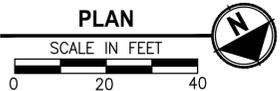
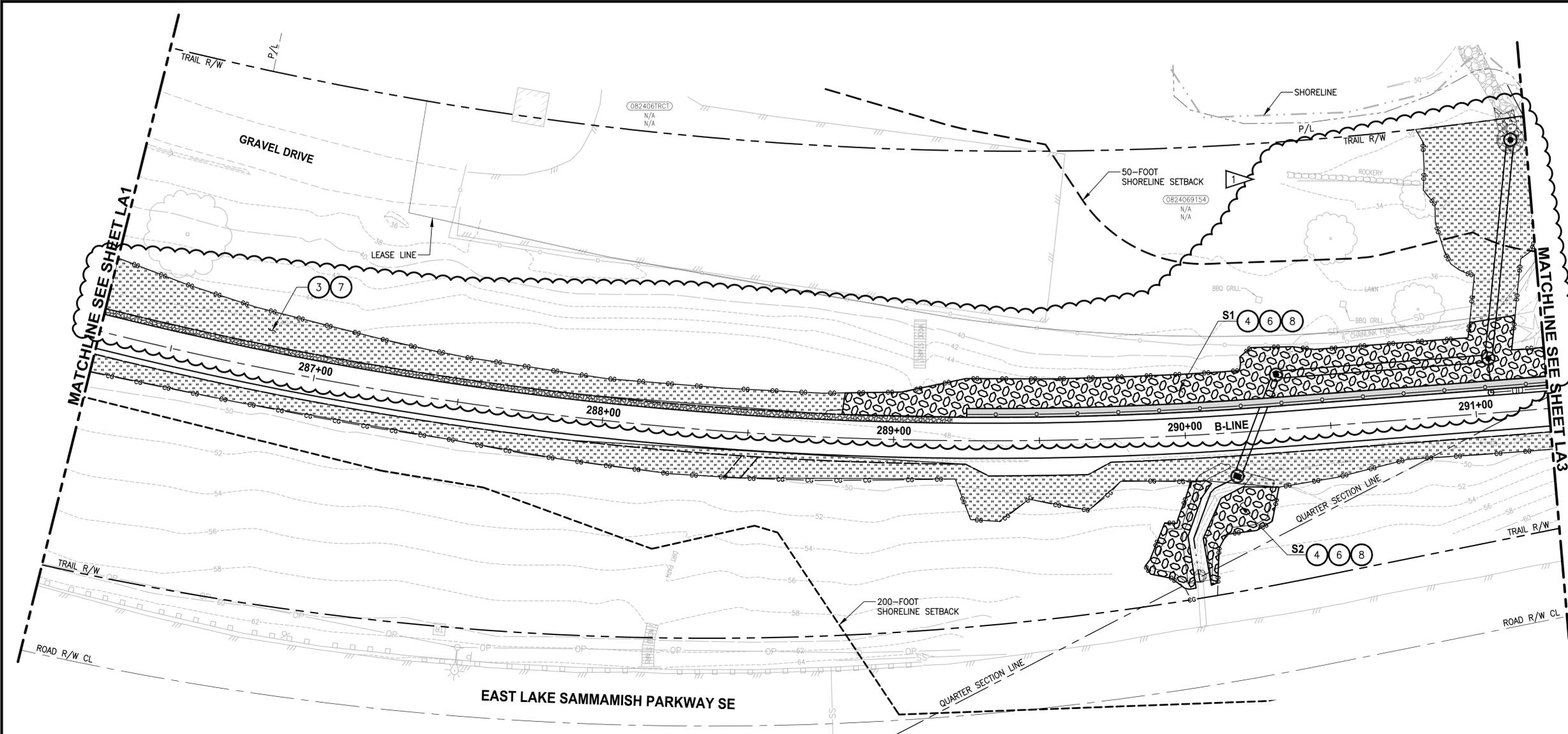


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 LAYOUT: LA2



LANDSCAPE CONSTRUCTION NOTES:

- 1 MITIGATION CLEARING AND GRUBBING. CLEAR ALL UNWANTED VEGETATION AND GRUB ROOTS IN PLANTING AREA. REMOVE AND DISPOSE CLEARED VEGETATION LEAVING SOIL IN PLACE.
- 2 HERBICIDE TREATMENT. TREAT UNWANTED VEGETATION IN PLANTING AREA WITH A NON-SELECTIVE HERBICIDE. MOW, CLEAR AND DISPOSE OF ALL UNWANTED VEGETATION. WAIT TO SEE REGROWTH AND TREAT WITH HERBICIDE A SECOND TIME. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 3 TILLING. LOOSEN SOIL IN PLANTING AREA BY RIPPING OR TILLING TO A DEPTH OF 18". HAND TILL ONLY WITHIN THE DRIPLINE OF EXISTING TREES AND SHRUBS.
- 4 SOIL AMENDMENT. PLACE 3" SOIL AMENDMENT AND TILL INTO SOIL TO A DEPTH OF 10" THROUGHOUT ENTIRE PLANTING AREA. SEE DETAIL 6 ON SHEET LD1.
- 5 FINE COMPOST. PRIOR TO PLANTING AND PLACEMENT OF MULCH PLACE A 3" LAYER OF FINE COMPOST OVER THE ENTIRE SURFACE OF THE AREA PLANTED.
- 6 TOPSOIL A. PLACE 12" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- 7 TOPSOIL A. PLACE 6" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- 8 WOOD CHIP MULCH. PLACE 3" LAYER WOOD CHIP MULCH OVER THE ENTIRE SURFACE OF THE AREA PLANTED.

GENERAL NOTES:

1. SEE SHEETS LD1 AND LD2 FOR PLANTING AND HABITAT FEATURE NOTES, DETAILS AND REQUIREMENTS. SEE SHEETS LD3 AND LD4 FOR MITIGATION AREA REQUIREMENTS.
2. MITIGATION CLEARING AND GRUBBING OCCURS ONLY OUTSIDE OF CLEARING AND GRUBBING LIMITS. USE ONLY HAND TOOLS AND METHODS WHEN WORKING INSIDE THE DRIPLINE AREA OF EXISTING TREES AND SHRUBS. SEE SPECIFICATIONS FOR UNWANTED VEGETATION LIST AND ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
4. PLACE 4" TOPSOIL AND SEED ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR PLANTING AND OUTSIDE OF WETLANDS WITH WILDFLOWER SEED MIX. WETLAND AREAS WHICH ARE TEMPORARILY DISTURBED SHALL BE RESTORED WITH WET NATIVE SEED OR AS DIRECTED BY OWNERS REPRESENTATIVE.

LEGEND:

- SEEDED LAWN INSTALLATION AREA
- SHRUB PLANTING AREA

QUANTITY TAB -FOR SHEET LA2-				
	AREA SF	QTY BY AREA		
		S1	S2	LAWN
Trees		3004	705	8073
SHORE PINE		7	0	0
WHITE WONDER DOGWOOD		7	0	0
Medium and Large Shrubs				
VINE MAPLE		8	0	0
WESTERN SERVICEBERRY		8	0	0
RED-TWIG DOGWOOD		0	7	0
OCEAN SPRAY		0	7	0
TALL OREGON GRAPE		12	0	0
PACIFIC WAX MYRTLE		4	0	0
MOCK ORANGE		8	7	0
RED FLOWERING CURRANT		8	0	0
NOOTKAROSE		8	7	0
SNOWBERRY		12	7	0
EMERALD GREEN ARBORVITAE		35	0	0
Low Plants				
MAHONIA REPENS		89	0	0
SWORD FERN		89	0	0
Other Items				
SOIL AMENDMENT - ACRES		0.069	0.016	0
TOPSOIL TYPE A - 6" DEPTH - CY		0	0	150
TOPSOIL TYPE A - 12" DEPTH - CY		111	26	0
SEEDED LAWN - SY		0	0	897
WOOD CHIP MULCH - CY		28	7	0

CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL

BY: Abaty
DATE: 06/10/2021

COMMUNITY DEVELOPMENT REVIEW

These drawings have been reviewed for compliance with City of Sammamish Clearing and Grading and Stormwater requirements and also in accordance with the requirements as established in the Settlement Agreement between King County vs. City of Sammamish No. C17-0921 JCC and King County vs. City of Sammamish No. 17-2-29922-7 SEA and have been deemed ACCEPTABLE. The reviewer accepts no responsibility for any errors and/or omissions made by the preparer of these drawings.
10 June 2021

CONFORMED DRAWING



NO.	REVISIONS	DATE	BY	DESIGNED
1	ADDENDUM #1	2/8/21	CB	J. SWENSON

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

FILE NAME: BL1521075P19T03LA-01
 JOB No.: 534-1521-075 P19 T03
 DATE: NOVEMBER 2020

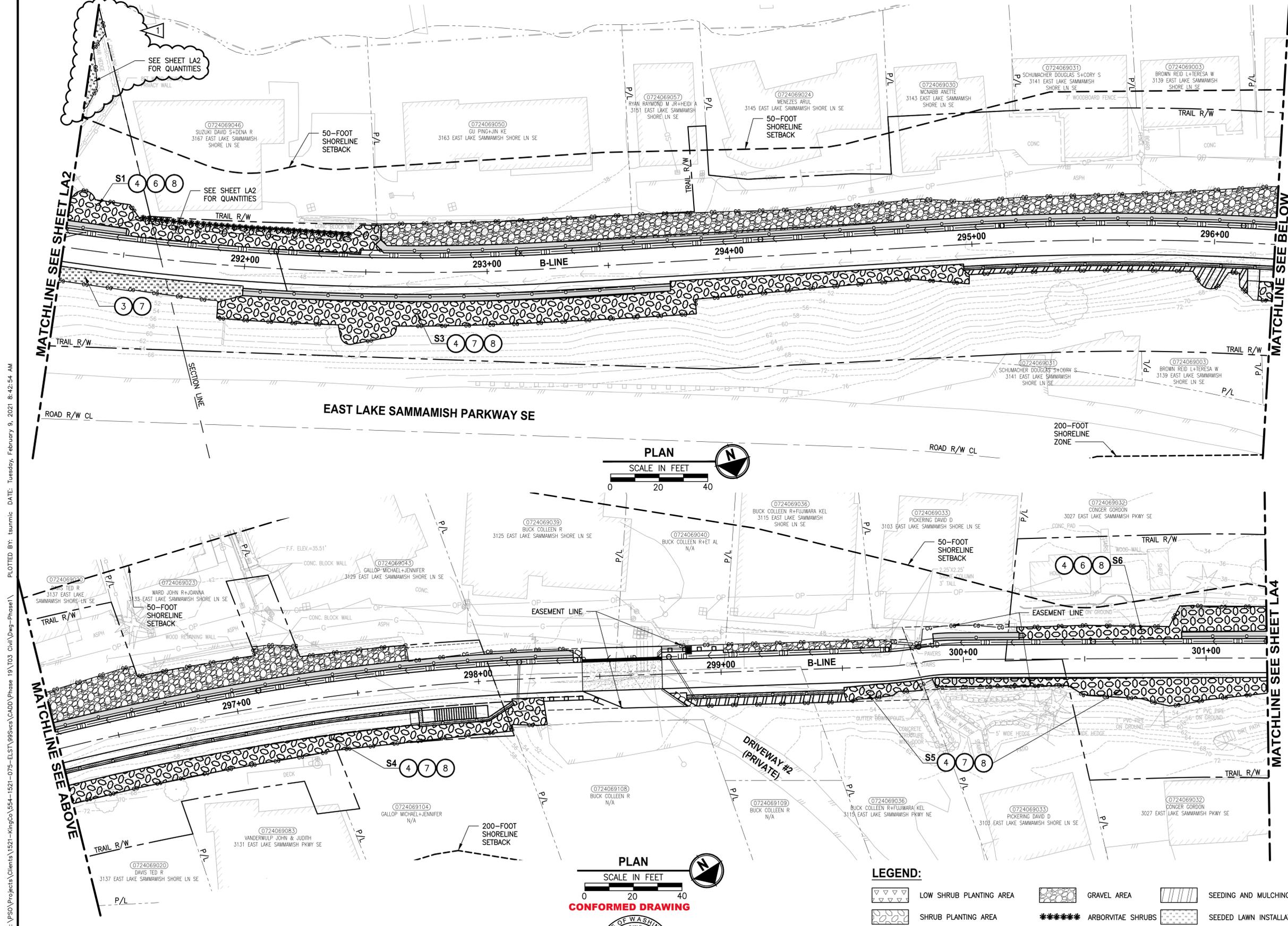
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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
 SAMMAMISH, WA

LANDSCAPE PLAN

SHEET NO.
 145 OF 190
LA2



LANDSCAPE CONSTRUCTION NOTES:

- MITIGATION CLEARING AND GRUBBING. CLEAR ALL UNWANTED VEGETATION AND GRUB ROOTS IN PLANTING AREA. REMOVE AND DISPOSE CLEARED VEGETATION LEAVING SOIL IN PLACE.
- HERBICIDE TREATMENT. TREAT UNWANTED VEGETATION IN PLANTING AREA WITH A NON-SELECTIVE HERBICIDE. MOW, CLEAR AND DISPOSE OF ALL UNWANTED VEGETATION. WAIT TO SEE REGROWTH AND TREAT WITH HERBICIDE A SECOND TIME. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- TILLING. LOOSEN SOIL IN PLANTING AREA BY RIPPING OR TILLING TO A DEPTH OF 18". HAND TILL ONLY WITHIN THE DRIPLINE OF EXISTING TREES AND SHRUBS.
- SOIL AMENDMENT. PLACE 3" SOIL AMENDMENT AND TILL INTO SOIL TO A DEPTH OF 10" THROUGHOUT ENTIRE PLANTING AREA. SEE DETAIL 6 ON SHEET LD1.
- FINE COMPOST. PRIOR TO PLANTING AND PLACEMENT OF MULCH PLACE A 3" LAYER OF FINE COMPOST OVER THE ENTIRE SURFACE OF THE AREA PLANTED.
- TOPSOIL A. PLACE 12" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- TOPSOIL A. PLACE 6" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- WOOD CHIP MULCH. PLACE 3" LAYER WOOD CHIP MULCH OVER THE ENTIRE SURFACE OF THE AREA PLANTED.

GENERAL NOTES:

- SEE SHEETS LD1 AND LD2 FOR PLANTING AND HABITAT FEATURE NOTES, DETAILS AND REQUIREMENTS. SEE SHEETS LD3 AND LD4 FOR MITIGATION AREA REQUIREMENTS.
- MITIGATION CLEARING AND GRUBBING OCCURS ONLY OUTSIDE OF CLEARING AND GRUBBING LIMITS. USE ONLY HAND TOOLS AND METHODS WHEN WORKING INSIDE THE DRIPLINE AREA OF EXISTING TREES AND SHRUBS. SEE SPECIFICATIONS FOR UNWANTED VEGETATION LIST AND ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
- PLACE 4" TOPSOIL AND SEED ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR PLANTING AND OUTSIDE OF WETLANDS WITH WILDFLOWER SEED MIX. WETLAND AREAS WHICH ARE TEMPORARILY DISTURBED SHALL BE RESTORED WITH WET NATIVE SEED OR AS DIRECTED BY OWNERS REPRESENTATIVE.

QUANTITY TAB -FOR SHEET LA3-

Trees	AREA SF	QTY BY AREA					
		S3	S4	S5	S6	LAWN	SEEDING
BITTER CHERRY	4	3	0	0	0	0	0
DOUGLAS FIR	5	3	0	2	0	0	0
WESTERN RED CEDAR	4	3	0	2	0	0	0
WHITE WONDER DOGWOOD	0	0	0	2	0	0	0
<i>Medium and Large Shrubs</i>							
VINE MAPLE	0	0	0	2	0	0	0
WESTERN SERVICEBERRY	9	6	5	2	0	0	0
OCEAN SPRAY	0	0	5	2	0	0	0
TALL OREGON GRAPE	18	12	11	0	0	0	0
PACIFIC WAX MYRTLE	0	6	0	2	0	0	0
MOCK ORANGE	14	9	8	3	0	0	0
RED FLOWERING CURRANT	14	9	8	3	0	0	0
NOOT KAROSE	18	0	8	3	0	0	0
SNOWBERRY	18	0	8	3	0	0	0
WINGED EUONYMUS	0	18	0	0	0	0	0
<i>Low Plants</i>							
MAHONIA REPENS	35	0	43	19	0	0	0
SWORD FERN	35	0	43	19	0	0	0
KELSEY DWARF DOGWOOD	36	0	5	20	0	0	0
DAYLILY	0	0	0	0	0	0	0
LAVENDER 'HIDCOTE'	0	0	5	0	0	0	0
LIME MOUND SPIREA	0	0	5	0	0	0	0
DAVIDS VIBURNUM	0	0	5	0	0	0	0
<i>Other Items</i>							
SOIL AMENDMENT - ACRES	0.065	0.034	0.026	0.021	0	0	0
TOPSOIL TYPE A - 6" DEPTH - CY	53	27	21	0	9	6	6
TOPSOIL TYPE A - 12" DEPTH - CY	0	0	0	33	0	0	0
SEEDED LAWN - SY	0	0	0	0	52	0	0
SEEDING & MULCHING - ACRES	0	0	0	0	0	0.007	0
WOOD CHIP MULCH - CY	26	14	11	8	0	0	0

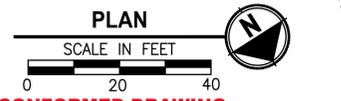
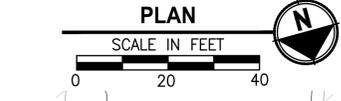
CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL
 BY: Abaty
 DATE: 06/10/2021
 Community Dev

CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW
 These drawings have been reviewed for compliance with City of Sammamish Clearing and Grading and Stormwater requirements and also in accordance with the requirements as established in the Settlement Agreement between King County vs. City of Sammamish No. C17-0521 JCC and King County vs. City of Sammamish No. 17-2-29922-7 SEA and have been deemed ACCEPTABLE. The reviewer accepts no responsibility for any errors and/or omissions made by the preparer of these drawings.
 10 June 2021

LEGEND:

- LOW SHRUB PLANTING AREA
- SHRUB PLANTING AREA
- GRAVEL AREA
- ARBORVITAE SHRUBS
- SEEDING AND MULCHING
- SEEDED LAWN INSTALLATION AREA



CONFORMED DRAWING



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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
 SAMMAMISH, WA

LANDSCAPE PLAN

SHEET NO.
 146 OF 190

LA

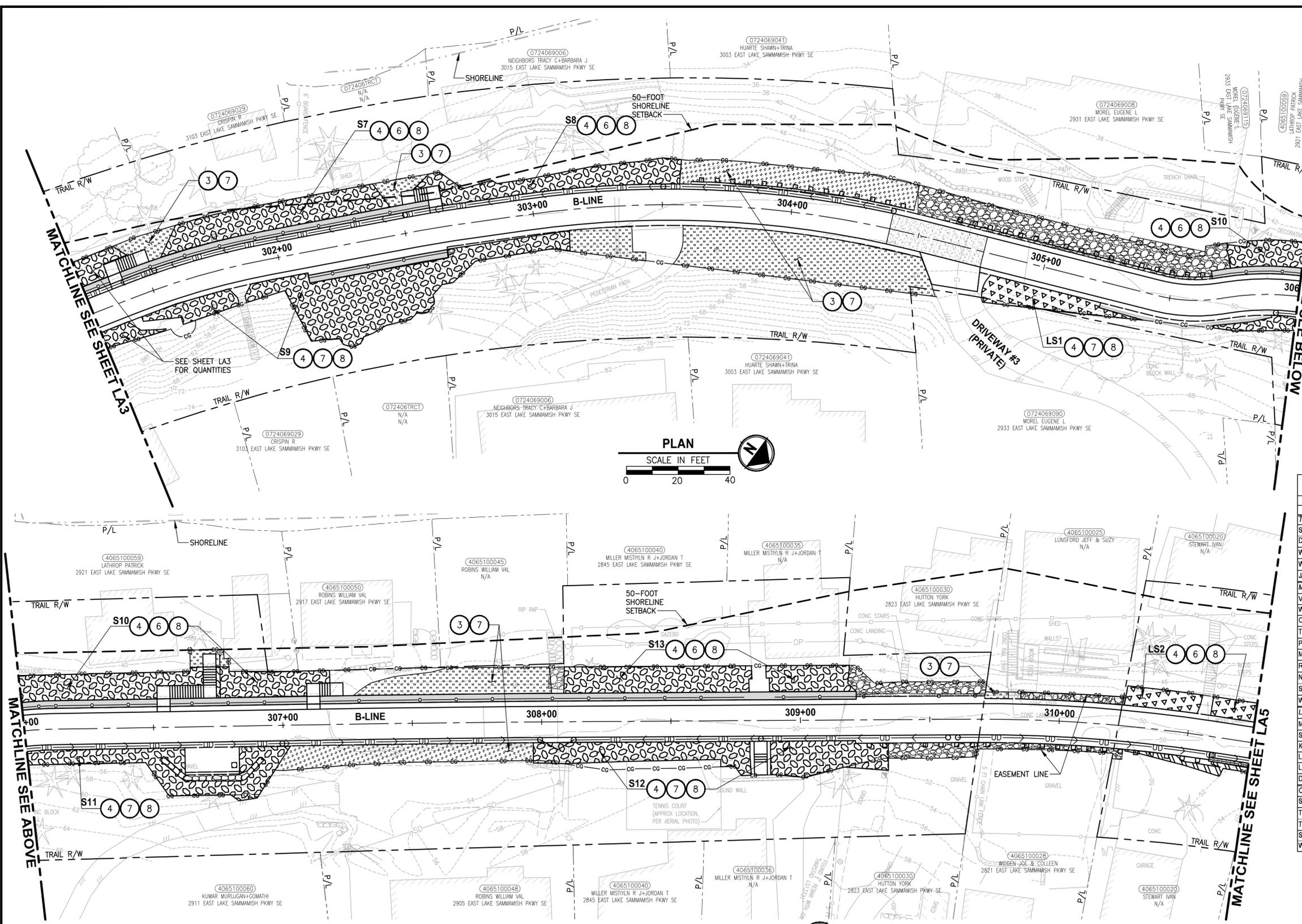
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1	ADDENDUM #1	2/8/21	CB

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.

FILE NAME
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 JOB No.
 54-1521-075 P19 T03
 DATE
 NOVEMBER 2020

LAYOUT: LA3
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PLANNING DEPT. APPROVAL
 BY: Abaty
 DATE: 06/10/2021
 Community Development



LANDSCAPE CONSTRUCTION NOTES:

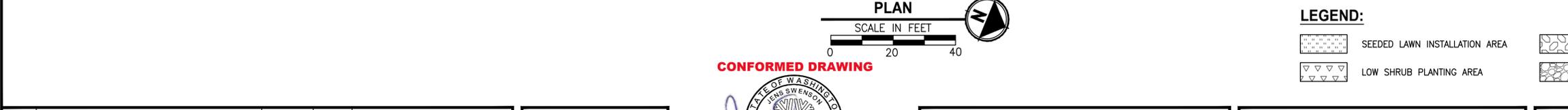
- MITIGATION CLEARING AND GRUBBING. CLEAR ALL UNWANTED VEGETATION AND GRUB ROOTS IN PLANTING AREA. REMOVE AND DISPOSE CLEARED VEGETATION LEAVING SOIL IN PLACE.
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- SOIL AMENDMENT. PLACE 3" SOIL AMENDMENT AND TILL INTO SOIL TO A DEPTH OF 10" THROUGHOUT ENTIRE PLANTING AREA. SEE DETAIL 6 ON SHEET LD1.
- FINE COMPOST. PRIOR TO PLANTING AND PLACEMENT OF MULCH PLACE A 3" LAYER OF FINE COMPOST OVER THE ENTIRE SURFACE OF THE AREA PLANTED.
- TOPSOIL A. PLACE 12" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- TOPSOIL A. PLACE 6" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- WOOD CHIP MULCH. PLACE 3" LAYER WOOD CHIP MULCH OVER THE ENTIRE SURFACE OF THE AREA PLANTED.

GENERAL NOTES:

- SEE SHEETS LD1 AND LD2 FOR PLANTING AND HABITAT FEATURE NOTES, DETAILS AND REQUIREMENTS. SEE SHEETS LD3 AND LD4 FOR MITIGATION AREA REQUIREMENTS.
- MITIGATION CLEARING AND GRUBBING OCCURS ONLY OUTSIDE OF CLEARING AND GRUBBING LIMITS. USE ONLY HAND TOOLS AND METHODS WHEN WORKING INSIDE THE DRILLPIECE AREA OF EXISTING TREES AND SHRUBS. SEE SPECIFICATIONS FOR UNWANTED VEGETATION LIST AND ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
- PLACE 4" TOPSOIL AND SEED ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR PLANTING AND OUTSIDE OF WETLANDS WITH WILDFLOWER SEED MIX. WETLAND AREAS WHICH ARE TEMPORARILY DISTURBED SHALL BE RESTORED WITH WET NATIVE SEED OR AS DIRECTED BY OWNERS REPRESENTATIVE.

QUANTITY TAB -FOR SHEET LA4-

ITEM	AREA SF	QTY BY AREA											
		S7	S8	S9	LS1	S10	S11	S12	S13	LS2			
SHORE PINE	0	0	0	3	0	0	2	0	0	0	0	0	0
DOUGLAS FIR	1	3	3	0	0	3	0	0	0	0	0	0	0
WESTERN RED CEDAR	1	3	0	0	0	0	0	0	0	0	0	0	0
WHITE WONDER DOGWOOD	0	0	3	0	0	2	0	0	0	0	0	0	0
JAPANESE FLOWERING CHERRY	0	0	0	0	0	0	3	0	0	0	0	0	0
Medium and Large Shrubs													
VINE MAPLE	1	3	0	0	0	8	0	0	0	0	0	0	0
WESTERN SERVICEBERRY	3	5	2	0	0	5	0	0	0	0	0	0	0
OCEAN SPRAY	3	5	0	0	0	0	0	0	0	0	0	0	0
TALL OREGON GRAPE	4	8	0	0	0	11	7	0	0	0	0	0	0
PACIFIC WAX MYRTLE	0	0	0	0	0	5	0	0	0	0	0	0	0
MOCK ORANGE	4	8	0	0	0	8	0	0	0	0	0	0	0
RED FLOWERING CURRANT	4	8	0	0	0	8	7	0	0	0	0	0	0
NOOTKAROSE	4	8	0	0	0	0	0	0	0	0	0	0	0
SNOWBERRY	4	8	33	0	0	8	0	0	0	0	0	0	0
WINGED EUONYMUS	0	0	0	0	0	0	9	0	0	0	0	0	0
Low Plants													
MAHONIA REPENS	10	19	22	0	0	0	7	0	0	0	24	0	24
SWORD FERN	10	19	22	0	0	0	7	0	0	0	24	0	24
KELSEY DWARF DOGWOOD	11	20	0	17	0	0	0	39	24	24	0	0	0
LAVENDER HIDCOTE	0	0	0	17	0	0	0	17	10	0	0	0	0
LIME MOUND SPIREA	0	0	0	17	0	0	24	17	10	0	0	0	0
DAVIDS VIBURNUM	0	0	0	6	0	0	24	39	24	24	0	0	0
Other Items													
SOIL AMENDMENT - ACRES	0.02	0.036	0.039	0.009	0	0.03	0.021	0.028	0.024	0.016	0	0	0
TOPSOIL TYPE A- 6" DEPTH - CY	16	0	32	7	82	0	17	22	0	0	0	0	0
TOPSOIL TYPE A- 12" DEPTH - CY	0	59	0	0	0	49	0	0	39	25	0	0	0
SEEDED LAWN - SY	0	0	0	0	491	0	0	0	0	0	0	0	0
WOOD CHIP MULCH - CY	8	15	16	4	0	12	9	11	10	6	0	0	0



REVISIONS	DATE	BY	DESIGNED
			J. SWENSON
			B. PURGANAN
			Y. HO
			J. BAILEY

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
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 JOB No.: 54-1521-075 P19 T03
 DATE: NOVEMBER 2020

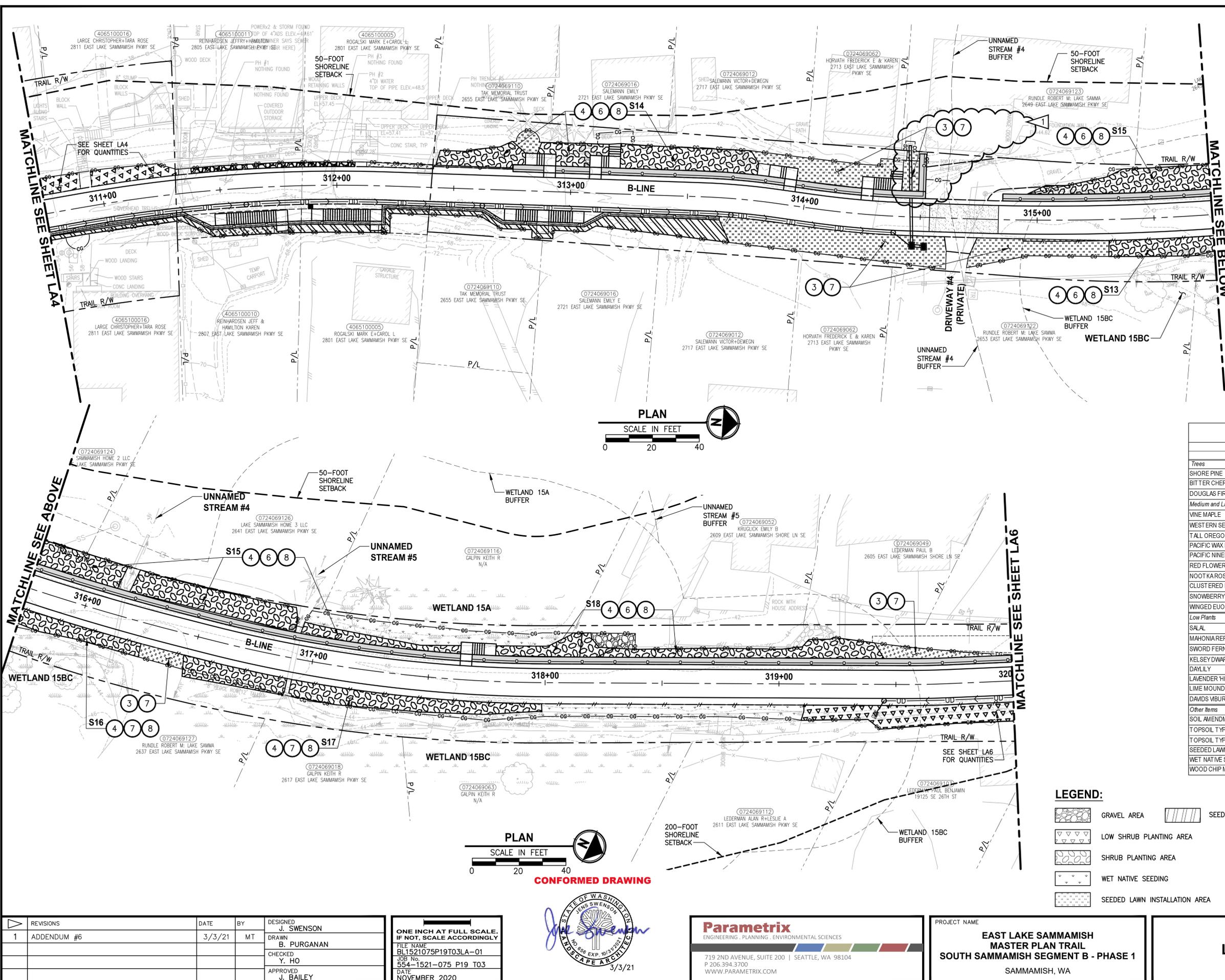


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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
 SAMMAMISH, WA

LANDSCAPE PLAN
 SHEET NO. 147 OF 190
LA4

PATH: U:\PSO\Projects\Clients\1521-075-ELST\985ves\CADD\Phase 19\T03_Civil\Draw-Phase1\ PLOTTED BY: purgabut DATE: Friday, March 19, 2021 12:44:39 PM LAYOUT: LA5

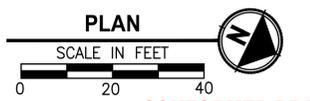
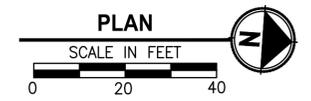


LANDSCAPE CONSTRUCTION NOTES:

- 1 MITIGATION CLEARING AND GRUBBING. CLEAR ALL UNWANTED VEGETATION AND GRUB ROOTS IN PLANTING AREA. REMOVE AND DISPOSE CLEARED VEGETATION LEAVING SOIL IN PLACE.
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- 4 SOIL AMENDMENT. PLACE 3" SOIL AMENDMENT AND TILL INTO SOIL TO A DEPTH OF 10" THROUGHOUT ENTIRE PLANTING AREA. SEE DETAIL 6 ON SHEET LD1.
- 5 FINE COMPOST. PRIOR TO PLANTING AND PLACEMENT OF MULCH PLACE A 3" LAYER OF FINE COMPOST OVER THE ENTIRE SURFACE OF THE AREA PLANTED.
- 6 TOPSOIL A. PLACE 12" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- 7 TOPSOIL A. PLACE 6" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- 8 WOOD CHIP MULCH. PLACE 3" LAYER WOOD CHIP MULCH OVER THE ENTIRE SURFACE OF THE AREA PLANTED.

GENERAL NOTES:

1. SEE SHEETS LD1 AND LD2 FOR PLANTING AND HABITAT FEATURE NOTES, DETAILS AND REQUIREMENTS. SEE SHEETS LD3 AND LD4 FOR MITIGATION AREA REQUIREMENTS.
2. MITIGATION CLEARING AND GRUBBING OCCURS ONLY OUTSIDE OF CLEARING AND GRUBBING LIMITS. USE ONLY HAND TOOLS AND METHODS WHEN WORKING INSIDE THE DRIPLINE AREA OF EXISTING TREES AND SHRUBS. SEE SPECIFICATIONS FOR UNWANTED VEGETATION LIST AND ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
4. PLACE 4" TOPSOIL AND SEED ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR PLANTING AND OUTSIDE OF WETLANDS WITH WILDFLOWER SEED MIX. WETLAND AREAS WHICH ARE TEMPORARILY DISTURBED SHALL BE RESTORED WITH WET NATIVE SEED OR AS DIRECTED BY OWNERS REPRESENTATIVE.



QUANTITY TAB -FOR SHEET LA5-

	AREA SF	QTY BY AREA							
		S14	SEEDING	LAWN	WET SEED	S15	S16	S17	S18
Trees		1081	1052	2637	1382	1909	659	996	864
SHORE PINE	0	0	0	0	4	0	0	0	0
BITTER CHERRY	0	0	0	0	4	0	0	0	0
DOUGLAS FIR	0	0	0	0	4	0	0	0	0
Medium and Large Shrubs									
VINE MAPLE	2	0	0	0	0	0	0	0	0
WESTERN SERVICEBERRY	2	0	0	0	0	0	0	0	0
TALL OREGON GRAPE	5	0	0	0	6	0	0	11	
PACIFIC WAX MYRTLE	0	0	0	0	6	4	0	0	
PACIFIC NINEBARK	5	0	0	0	6	2	0	0	
RED FLOWERING CURRANT	5	0	0	0	0	2	0	0	
NOOTKAROSE	0	0	0	0	6	0	0	0	
CLUSTERED ROSE	0	0	0	0	0	0	12	0	
SNOWBERRY	0	0	0	0	6	0	12	12	
WINGED EUONYMUS	5	0	0	0	0	0	0	11	
Low Plants									
SALAL	0	0	0	0	0	20	0	0	
MAHONIA REPENS	0	0	0	0	29	20	46	0	
SWORD FERN	15	0	0	0	0	20	46	0	
KELSEY DWARF DOGWOOD	20	0	0	0	0	0	0	6	
DAYLILY	20	0	0	0	29	0	0	0	
LAVENDER HICDOTE	10	0	0	0	0	0	0	6	
LIME MOUND SPIREA	15	0	0	0	0	0	0	6	
DAWDS VIBURNUM	20	0	0	0	30	0	0	6	
Other Items									
SOIL AMENDMENT - ACRES	0.025	0	0	0.032	0.044	0.015	0.023	0.02	
TOPSOIL TYPE A - 6" DEPTH - CY	0	19	49	0	0	12	0	0	
TOPSOIL TYPE A - 12" DEPTH - CY	40	0	0	0	71	0	37	32	
SEEDED LAWN - SY	0	0	0	0	0	0	0	0	
WET NATIVE SEEDING - SY	0	0	0	154	0	0	0	0	
WOOD CHIP MULCH - CY	10	0	0	0	18	6	9	8	

- LEGEND:**
- GRAVEL AREA
 - SEEDING AND MULCHING
 - LOW SHRUB PLANTING AREA
 - SHRUB PLANTING AREA
 - WET NATIVE SEEDING
 - SEEDED LAWN INSTALLATION AREA

CITY OF SAMMAMISH APPROVAL

CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW

These drawings have been reviewed for compliance with City of Sammamish Clearing and Grading and Stormwater requirements and also in accordance with the requirements as established in the Settlement Agreement between King County vs. City of Sammamish No. C17-0521 JCC and King County vs. City of Sammamish No. 17-2-28922-7 SEA and have been deemed ACCEPTABLE. The reviewer accepts no responsibility for any errors and/or omissions made by the preparer of these drawings.

10 June 2021

PLANNING DEPT. APPROVAL
BY: Abaty
DATE: 06/10/2021
Community Dev

REVISIONS	DATE	BY	DESIGNED
1	3/3/21	MT	J. SWENSON

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

FILE NAME: BL1521075P19T03LA-01
JOB No.: 554-1521-075 P19 T03
DATE: NOVEMBER 2020



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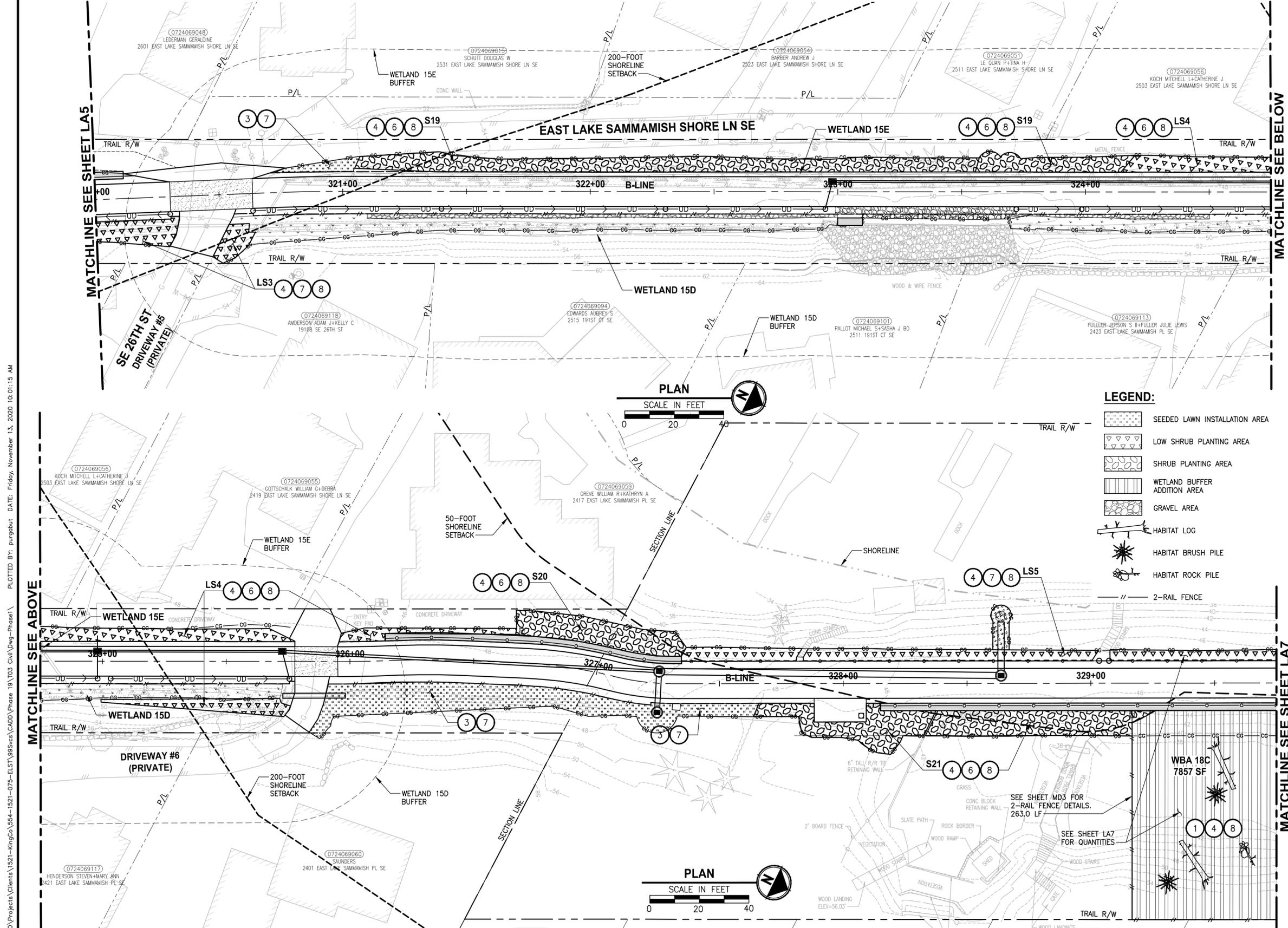
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WWW.PARAMETRIX.COM

PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
SAMMAMISH, WA

LANDSCAPE PLAN

SHEET NO.
148 OF 190

LA



LANDSCAPE CONSTRUCTION NOTES:

- 1 MITIGATION CLEARING AND GRUBBING. CLEAR ALL UNWANTED VEGETATION AND GRUB ROOTS IN PLANTING AREA. REMOVE AND DISPOSE CLEARED VEGETATION LEAVING SOIL IN PLACE.
- 2 HERBICIDE TREATMENT. TREAT UNWANTED VEGETATION IN PLANTING AREA WITH A NON-SELECTIVE HERBICIDE. MOW, CLEAR AND DISPOSE OF ALL UNWANTED VEGETATION. WAIT TO SEE REGROWTH AND TREAT WITH HERBICIDE A SECOND TIME. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
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- 4 SOIL AMENDMENT. PLACE 3" SOIL AMENDMENT AND TILL INTO SOIL TO A DEPTH OF 10" THROUGHOUT ENTIRE PLANTING AREA. SEE DETAIL 6 ON SHEET LD1.
- 5 FINE COMPOST. PRIOR TO PLANTING AND PLACEMENT OF MULCH PLACE A 3" LAYER OF FINE COMPOST OVER THE ENTIRE SURFACE OF THE AREA PLANTED.
- 6 TOPSOIL A. PLACE 12" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- 7 TOPSOIL A. PLACE 6" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- 8 WOOD CHIP MULCH. PLACE 3" LAYER WOOD CHIP MULCH OVER THE ENTIRE SURFACE OF THE AREA PLANTED.

GENERAL NOTES:

1. SEE SHEETS LD1 AND LD2 FOR PLANTING AND HABITAT FEATURE NOTES, DETAILS AND REQUIREMENTS. SEE SHEETS LD3 AND LD4 FOR MITIGATION AREA REQUIREMENTS.
2. MITIGATION CLEARING AND GRUBBING OCCURS ONLY OUTSIDE OF CLEARING AND GRUBBING LIMITS. USE ONLY HAND TOOLS AND METHODS WHEN WORKING INSIDE THE DRIPLINE AREA OF EXISTING TREES AND SHRUBS. SEE SPECIFICATIONS FOR UNWANTED VEGETATION LIST AND ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
4. PLACE 4" TOPSOIL AND SEED ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR PLANTING AND OUTSIDE OF WETLANDS WITH WILDFLOWER SEED MIX. WETLAND AREAS WHICH ARE TEMPORARILY DISTURBED SHALL BE RESTORED WITH WET NATIVE SEED OR AS DIRECTED BY OWNERS REPRESENTATIVE.

QUANTITY TAB - FOR SHEET LA6-

	QTY BY AREA						
	LS3	S19	LS4	WET SEED	LAWN	S20	S21
Trees	1173	1853	1059	2526	1902	680	1518
WHITE WONDER DOGWOOD	0	0	0	0	0	0	2
JAPANESE FLOWERING CHERRY	0	0	0	0	0	0	2
EXCELSACEDAR	0	0	0	0	0	0	2
Medium and Large Shrubs							
TALL OREGON GRAPE	0	0	0	0	0	0	10
PACIFIC WAX MYRTLE	0	0	0	0	0	13	0
RED FLOWERING CURRANT	0	0	0	0	0	5	10
NOOT KA ROSE	0	0	0	0	0	0	10
SNOWBERRY	0	0	0	0	0	0	10
WINGED EUONYMUS	0	0	0	0	0	8	10
Low Plants							
MAHONIA REPENS	26	55	37	0	0	0	0
SWORD FERN	26	41	0	0	0	0	0
KELSEY DWARF DOGWOOD	26	55	37	0	0	0	11
DAY LILY	13	65	0	0	0	5	11
LAVENDER 'HIDOOE'	13	28	37	0	0	5	11
LIME MOUND SPIREA	13	0	37	0	0	5	11
DAVIDS VIBURNUM	13	41	37	0	0	5	11
Other Items							
SOIL AMENDMENT - ACRES	0.027	0.043	0.025	0.06	0	0.016	0.035
TOPSOIL TYPE A - 6" DEPTH - CY	22	0	0	0	32	0	0
TOPSOIL TYPE A - 12" DEPTH - CY	0	69	41	0	0	25	56
SEEDED LAWN - SY	0	0	0	0	189	0	0
WET NATIVE SEEDING - SY	0	0	0	292	0	0	0
WOOD CHIP MULCH - CY	11	17	10	0	0	6	14

CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL
 BY: Abaty
 DATE: 06/10/2021
 Community Dev

CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW
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 10 June 2021

REVISIONS	DATE	BY	DESIGNED
			J. SWENSON
			B. PURGANAN
			Y. HO
			J. BAILEY

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.

FILE NAME: BL1521075P19T03LA-01
 JOB No: S4-1521-075 P19 T03
 DATE: NOVEMBER 2020



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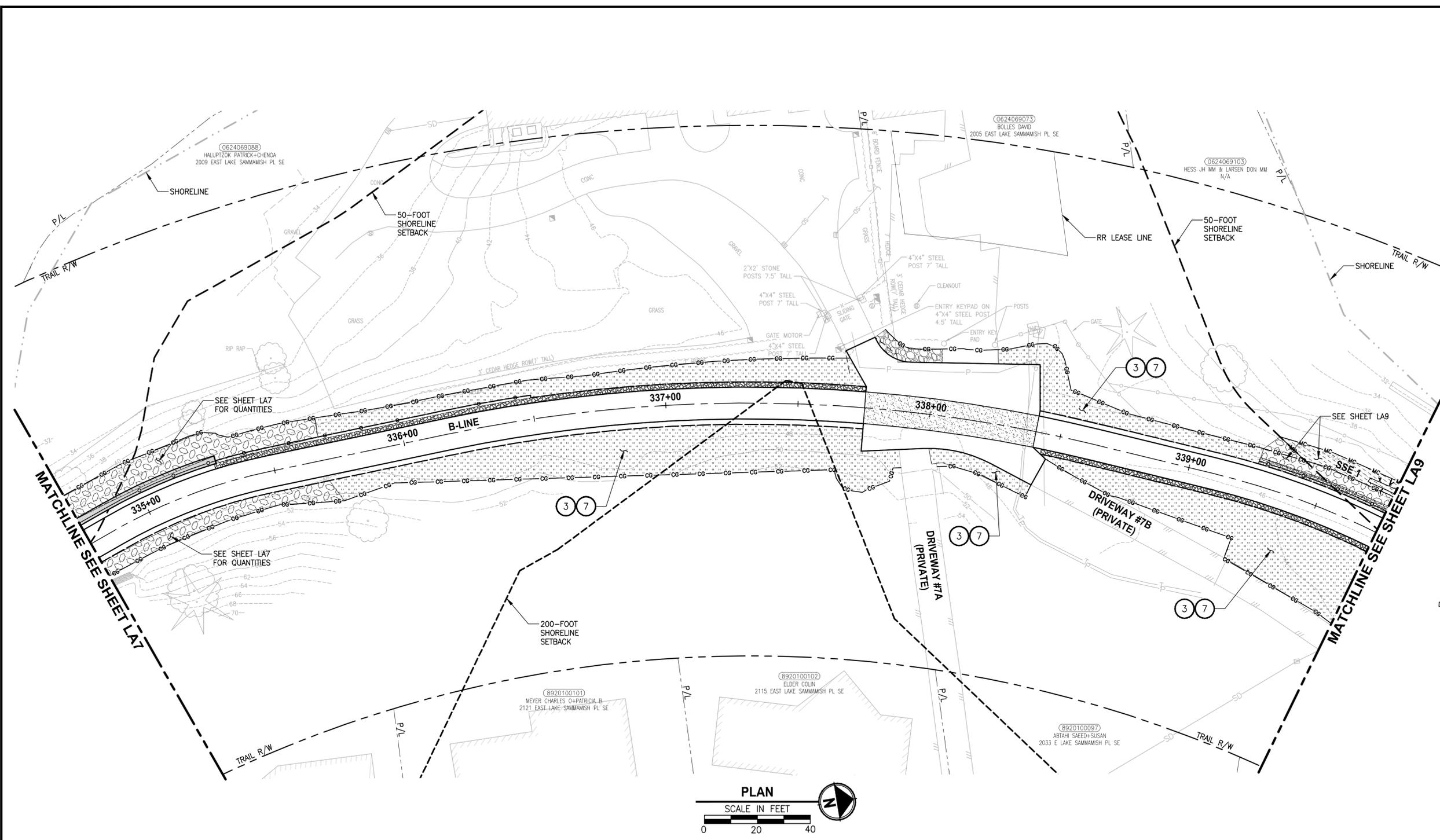
PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
 SAMMAMISH, WA

SHEET NO.
 149 OF 190

LANDSCAPE PLAN

LA6

U:\PSO\Projects\Clients\1521-KingCo\584-1521-075-ELST-995\584-1521-075-ELST-995\584-1521-075-ELST-995\Phase 19\T03_Civil\DWG-Phase19\LA8.dwg
 PLOTTED BY: purgaban DATE: Friday, November 13, 2020 10:02:59 AM
 LAYOUT: LA8



LANDSCAPE CONSTRUCTION NOTES:

- 1 MITIGATION CLEARING AND GRUBBING. CLEAR ALL UNWANTED VEGETATION AND GRUB ROOTS IN PLANTING AREA. REMOVE AND DISPOSE CLEARED VEGETATION LEAVING SOIL IN PLACE.
- 2 HERBICIDE TREATMENT. TREAT UNWANTED VEGETATION IN PLANTING AREA WITH A NON-SELECTIVE HERBICIDE. MOW, CLEAR AND DISPOSE OF ALL UNWANTED VEGETATION. WAIT TO SEE REGROWTH AND TREAT WITH HERBICIDE A SECOND TIME. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
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GENERAL NOTES:

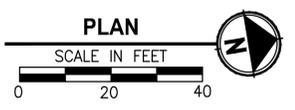
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3. CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
4. PLACE 4" TOPSOIL AND SEED ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR PLANTING AND OUTSIDE OF WETLANDS WITH WILDFLOWER SEED MIX. WETLAND AREAS WHICH ARE TEMPORARILY DISTURBED SHALL BE RESTORED WITH WET NATIVE SEED OR AS DIRECTED BY OWNERS REPRESENTATIVE.

LEGEND:

- SEEDED LAWN INSTALLATION AREA
- SHRUB PLANTING AREA
- SHORELINE SETBACK ENHANCEMENT AREA
- GRAVEL AREA
- HABITAT LOG

**QUANTITY TAB
-FOR SHEET LA8-**

Other Items	AREA SF	QTY BY AREA
TOPSOIL TYPE A 6" DEPTH	137	
SEEDED LAWN	922	



CONFORMED DRAWING



REVISIONS	DATE	BY	DESIGNED
			J. SWENSON
			B. PURGANAN
			Y. HO
			J. BAILEY

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IF NOT, SCALE ACCORDINGLY**
 FILE NAME: BL1521075P19T03LA-02
 JOB No.: 584-1521-075 P19 T03
 DATE: NOVEMBER 2020

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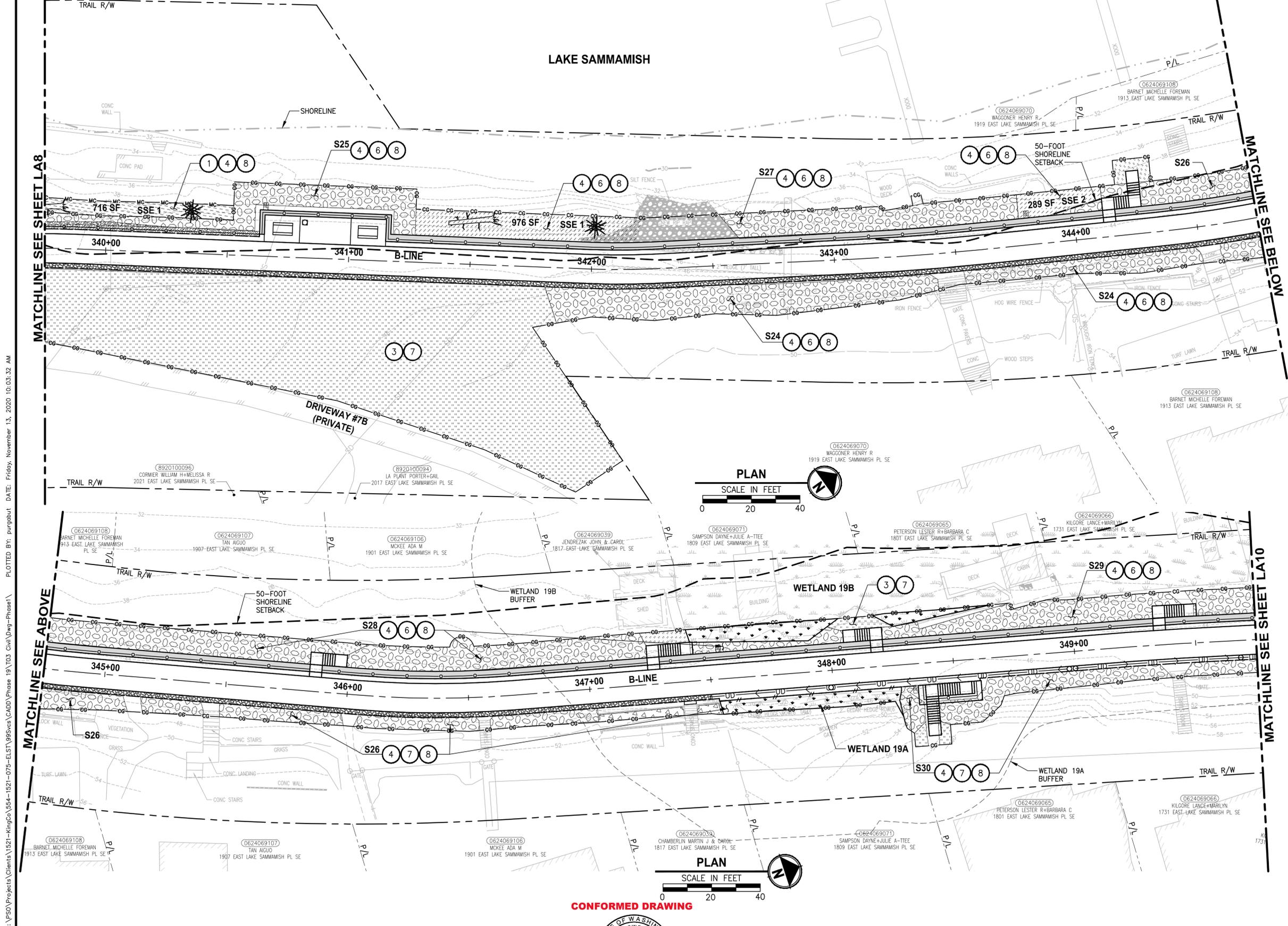
PROJECT NAME
**EAST LAKE SAMMAMISH
 MASTER PLAN TRAIL
 SOUTH SAMMAMISH SEGMENT B - PHASE 1**
 SAMMAMISH, WA

LANDSCAPE PLAN
 SHEET NO.
 151 OF 190
LA8

CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL
 BY: Abaty
 DATE: 06/10/2021

CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW
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 10 June 2021



LANDSCAPE CONSTRUCTION NOTES:

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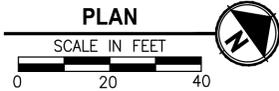
GENERAL NOTES:

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3. CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
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LEGEND:

- SEEDING LAWN INSTALLATION AREA
- LOW SHRUB PLANTING AREA
- SHRUB PLANTING AREA
- SHORELINE SETBACK ENHANCEMENT AREA
- WET NATIVE SEEDING
- HABITAT LOG
- BRUSH PILE

NOTE:
SEE SHEET LA13 FOR QUANTITY INFORMATION.



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PROJECT NAME
**EAST LAKE SAMMAMISH
MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B - PHASE 1**
SAMMAMISH, WA

CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL
BY: Abaty
DATE: 06/10/2021

COMMUNITY DEVELOPMENT APPROVAL
DATE: 06/10/2021

CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW
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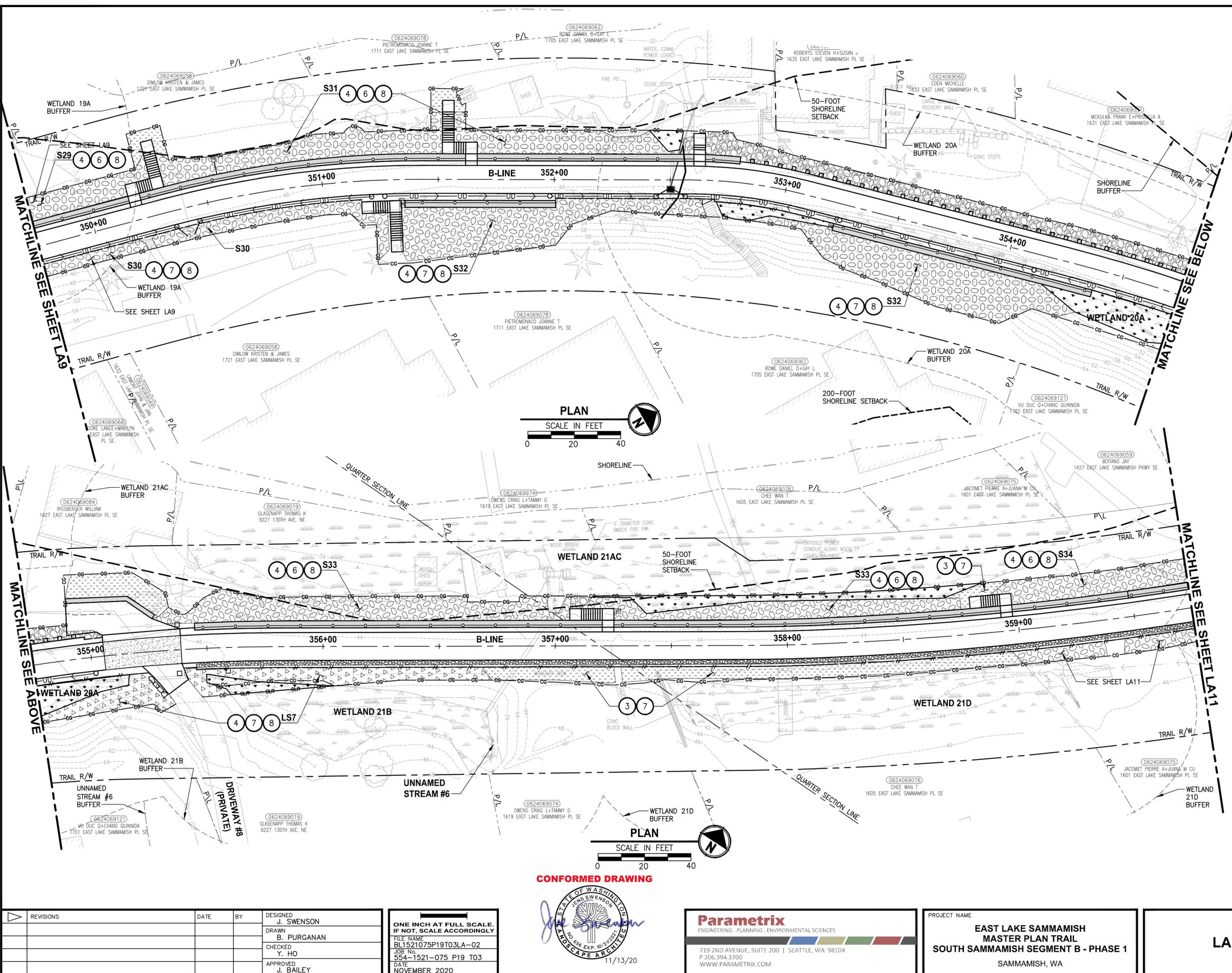
REVISIONS	DATE	BY	DESIGNED
			J. SWENSON
			B. PURGANAN
			Y. HO
			J. BAILEY

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FILE NAME: BL1521075P19T03LA-02
JOB No.: 54-1521-075 P19 T03
DATE: NOVEMBER 2020

SHEET NO.
152 OF 190
LA9

LANDSCAPE PLAN

PLOTTED BY: purgaban DATE: Friday, November 13, 2020 10:04:07 AM
 PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST-995\cadd\Phase 19_T03_Civil\DWG-Phase1\



LANDSCAPE CONSTRUCTION NOTES:

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GENERAL NOTES:

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3. CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
4. PLACE 4" TOPSOIL AND SEED ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR PLANTING AND OUTSIDE OF WETLANDS WITH WILDFLOWER SEED MIX. WETLAND AREAS WHICH ARE TEMPORARILY DISTURBED SHALL BE RESTORED WITH WET NATIVE SEED OR AS DIRECTED BY OWNERS REPRESENTATIVE.

LEGEND:

- SEEDING LAWN INSTALLATION AREA
- LOW SHRUB PLANTING AREA
- SHRUB PLANTING AREA
- WET NATIVE SEEDING
- GRAVEL AREA

NOTE:
SEE SHEET LA13 FOR QUANTITY INFORMATION.

CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL BY: Abaty DATE: 06/10/2021	CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW These drawings have been reviewed for compliance with City of Sammamish Clearing and Grading and Stormwater requirements and also in accordance with the requirements as established in the Settlement Agreement between King County vs. City of Sammamish No. C17-0521 JCC and King County vs. City of Sammamish No. 17-2-29922-7 SEA and have been deemed ACCEPTABLE. The reviewer accepts no responsibility for any errors and/or omissions made by the preparer of these drawings. 10 June 2021
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CONFORMED DRAWING



REVISIONS	DATE	BY	DESIGNED	DRAWN	CHECKED	APPROVED
			J. SWENSON	B. PURGANAN	Y. HO	J. BAILEY

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FILE NAME: BL1521075P19T03LA-02
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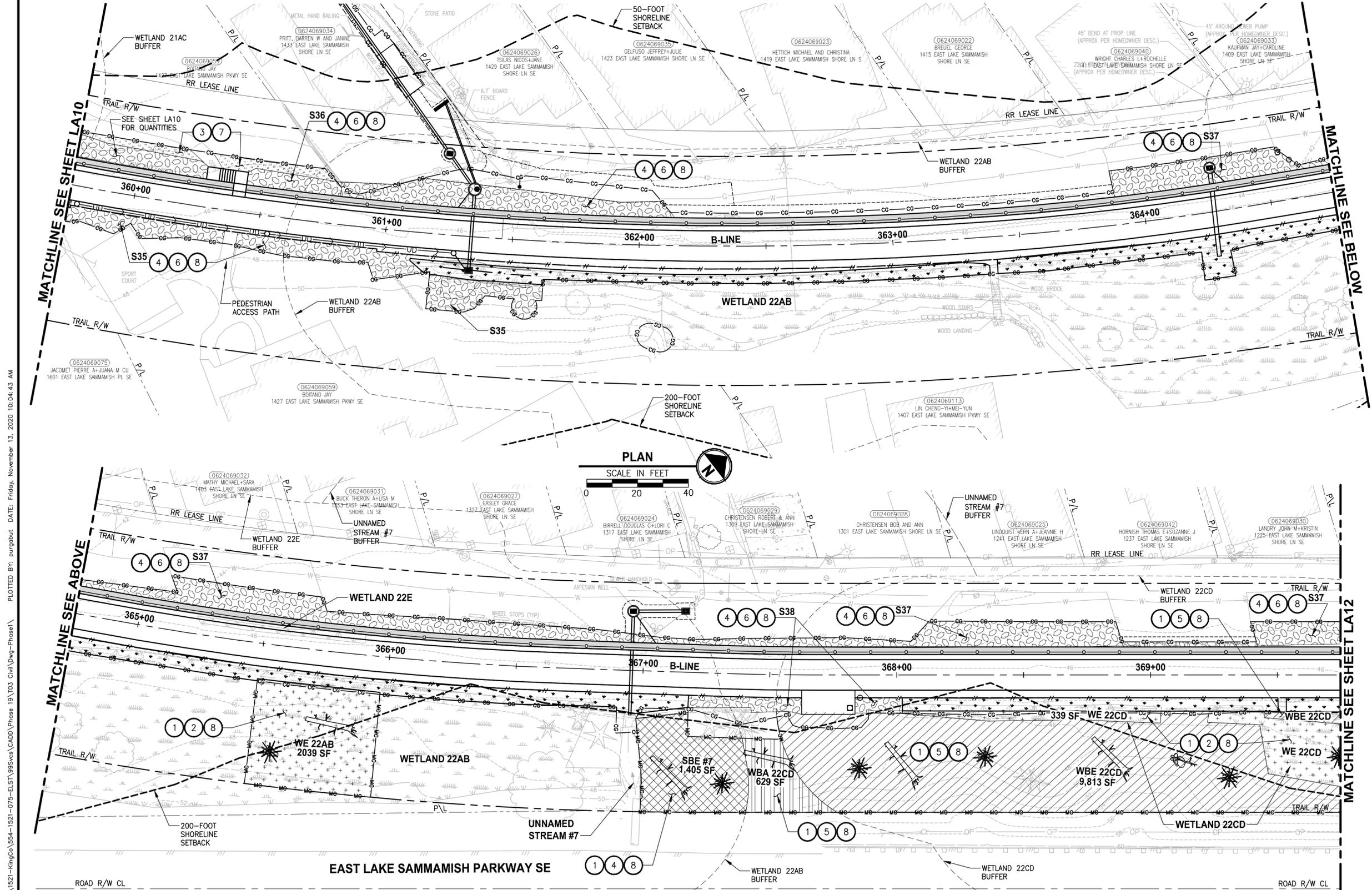
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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
 SAMMAMISH, WA

LANDSCAPE PLAN

SHEET NO.
153 OF 190

LA10



LANDSCAPE CONSTRUCTION NOTES:

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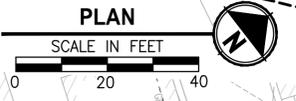
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LEGEND:

- SEEDED LAWN INSTALLATION AREA
- SHRUB PLANTING AREA
- WETLAND ENHANCEMENT AREA
- WETLAND BUFFER ENHANCEMENT AREA
- WETLAND BUFFER ADDITION AREA
- STREAM BUFFER ENHANCEMENT AREA
- GRAVEL AREA
- HABITAT LOG
- HABITAT BRUSH PILE
- HABITAT ROCK PILE

NOTE:
SEE SHEET LA13 FOR QUANTITY INFORMATION.



CONFORMED DRAWING



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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
SAMMAMISH, WA

SHEET NO.
154 OF 190
LANDSCAPE PLAN
LA11

CITY OF SAMMAMISH APPROVAL

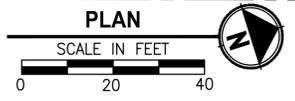
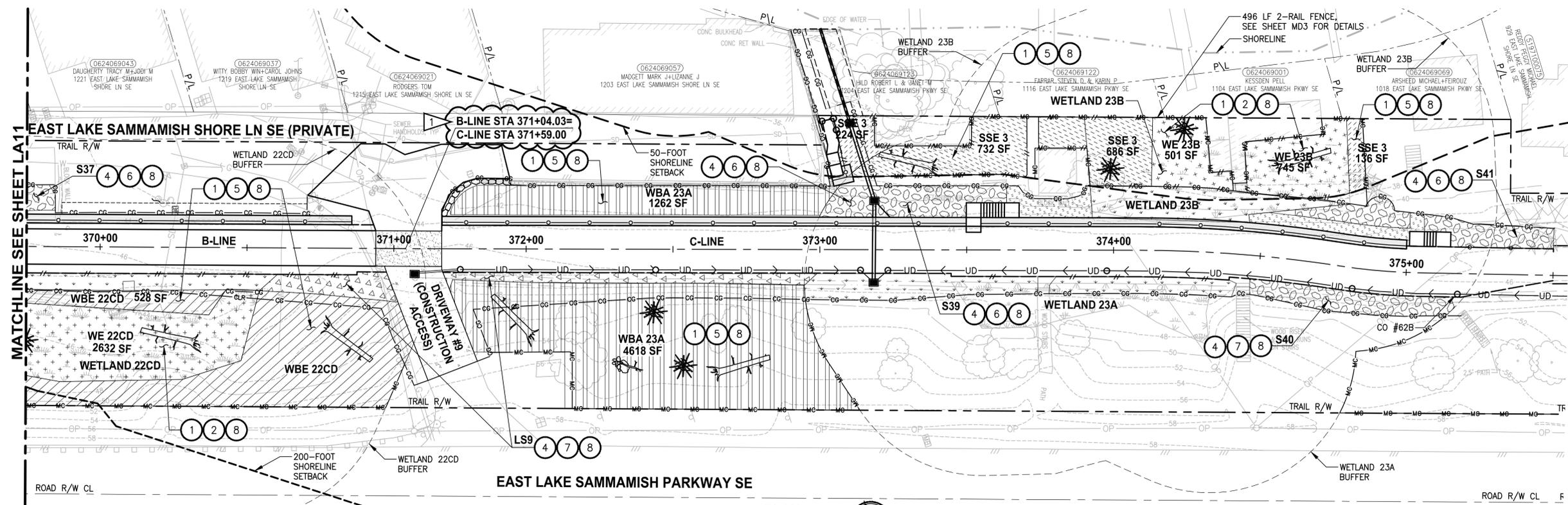
PLANNING DEPT. APPROVAL
BY: Abaty
DATE: 06/10/2021
Community Development

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			J. BAILEY

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME: BL1521075P19T03LA-02
JOB No.: 54-1521-075 P19 T03
DATE: NOVEMBER 2020

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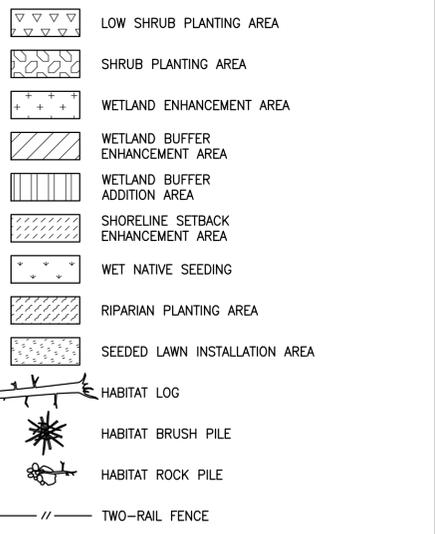
LANDSCAPE CONSTRUCTION NOTES:

- 1 MITIGATION CLEARING AND GRUBBING. CLEAR ALL UNWANTED VEGETATION AND GRUB ROOTS IN PLANTING AREA. REMOVE AND DISPOSE CLEARED VEGETATION LEAVING SOIL IN PLACE.
- 2 HERBICIDE TREATMENT. TREAT UNWANTED VEGETATION IN PLANTING AREA WITH A NON-SELECTIVE HERBICIDE. MOW, CLEAR AND DISPOSE OF ALL UNWANTED VEGETATION. WAIT TO SEE REGROWTH AND TREAT WITH HERBICIDE A SECOND TIME. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 3 TILLING. LOOSEN SOIL IN PLANTING AREA BY RIPPING OR TILLING TO A DEPTH OF 18". HAND TILL ONLY WITHIN THE DRIPLINE OF EXISTING TREES AND SHRUBS.
- 4 SOIL AMENDMENT. PLACE 3" SOIL AMENDMENT AND TILL INTO SOIL TO A DEPTH OF 10" THROUGHOUT ENTIRE PLANTING AREA. SEE DETAIL 6 ON SHEET LD1.
- 5 FINE COMPOST. PRIOR TO PLANTING AND PLACEMENT OF MULCH PLACE A 3" LAYER OF FINE COMPOST OVER THE ENTIRE SURFACE OF THE AREA PLANTED.
- 6 TOPSOIL A. PLACE 12" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- 7 TOPSOIL A. PLACE 6" LAYER TOPSOIL OVER THE ENTIRE SURFACE OF PLANTING AREA.
- 8 WOOD CHIP MULCH. PLACE 3" LAYER WOOD CHIP MULCH OVER THE ENTIRE SURFACE OF THE AREA PLANTED.

GENERAL NOTES:

1. SEE SHEETS LD1 AND LD2 FOR PLANTING AND HABITAT FEATURE NOTES, DETAILS AND REQUIREMENTS. SEE SHEETS LD3 AND LD4 FOR MITIGATION AREA REQUIREMENTS.
2. MITIGATION CLEARING AND GRUBBING OCCURS ONLY OUTSIDE OF CLEARING AND GRUBBING LIMITS. USE ONLY HAND TOOLS AND METHODS WHEN WORKING INSIDE THE DRIPLINE AREA OF EXISTING TREES AND SHRUBS. SEE SPECIFICATIONS FOR UNWANTED VEGETATION LIST AND ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART ON SHEET LD3.
4. PLACE 4" TOPSOIL AND SEED ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR PLANTING AND OUTSIDE OF WETLANDS WITH WILDFLOWER SEED MIX. WETLAND AREAS WHICH ARE TEMPORARILY DISTURBED SHALL BE RESTORED WITH WET NATIVE SEED OR AS DIRECTED BY OWNERS REPRESENTATIVE.

LEGEND:



NOTE:
SEE SHEET LA13 FOR QUANTITY INFORMATION.

CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL
BY: ABaty
DATE: 06/10/2021

CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW
These drawings have been reviewed for compliance with City of Sammamish Clearing and Grading and Stormwater requirements and also in accordance with the requirements as established in the Settlement Agreement between King County vs. City of Sammamish No. C17-0921 JCC and King County vs. City of Sammamish No. 17-2-29922-7 SEA and have been deemed ACCEPTABLE. The reviewer accepts no responsibility for any errors and/or omissions made by the preparer of these drawings.
10 June 2021

CONFORMED DRAWING



NO.	REVISIONS	DATE	BY	DESIGNED
1	ADDENDUM #1	2/8/21	MT	J. SWENSON
				B. PURGANAN
				Y. HO
				J. BAILEY

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

FILE NAME: BL1521075P19T03LA-03
JOB No.: 554-1521-075 P19 T03
DATE: NOVEMBER 2020

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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
SAMMAMISH, WA

LANDSCAPE PLAN

SHEET NO.
150 OF 190
LA12

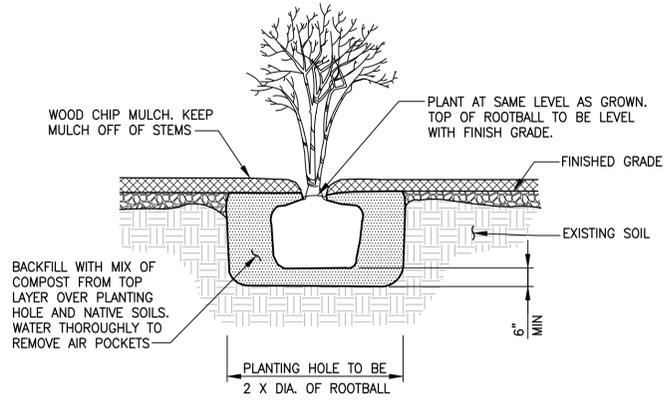
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QUANTITY TAB -FOR SHEET LA9-												
QTY BY AREA												
	SSE1	SSE2	S26	S26	S27	S28	S29	LS6	S30	WET SEED	LAWN	
Trees	AREA SF	1692	289	1475	3911	1297	2803	2010	280	1935	0	11682
SHORE PINE		0	2	2	0	2	2	0	0	0	0	0
BITTER CHERRY		0	2	0	0	0	0	0	0	0	0	0
DOUGLAS FIR		0	0	0	0	0	0	0	0	0	0	0
WHITE WONDER DOGWOOD		0	0	2	0	2	2	0	0	0	0	0
<i>Medium and Large Shrubs</i>												
VINE MAPLE		9	0	4	0	5	0	0	0	0	0	0
WESTERN SERVICEBERRY		9	2	4	7	5	0	0	0	0	0	0
OCEAN SPRAY		9	2	4	0	0	0	0	0	0	0	0
TALL OREGON GRAPE		0	0	0	18	10	16	16	0	8	0	0
OSO BERRY		5	0	4	0	3	0	0	0	0	0	0
MOCK ORANGE		9	3	4	0	5	0	0	0	0	0	0
PACIFIC NINEBARK		5	0	0	0	5	0	0	0	0	0	0
RED FLOWERING CURRANT		9	0	4	14	5	16	12	0	6	0	0
NOOTKAROSE		23	0	7	0	5	16	0	0	0	0	0
SNOWBERRY		14	3	7	14	8	16	9	0	4	0	0
WINGED EUONYMUS		0	0	0	18	0	16	9	0	4	0	0
<i>Low Plants</i>												
SALAL		0	0	0	0	0	18	0	0	0	0	0
MAHONIA REPENS		0	0	37	76	5	27	37	0	54	0	0
SWORD FERN		0	0	0	0	0	18	0	0	0	0	0
KELSEY DWARF DOGWOOD		0	0	36	51	5	36	37	8	54	0	0
DAYLILY		0	0	36	0	2	18	19	8	27	0	0
LAVENDER 'HIDCOTE'		0	0	0	25	5	18	19	8	27	0	0
LIME MOUND SPIREA		0	0	0	25	2	9	37	8	54	0	0
DAVIDS VIBURNUM		0	0	0	76	5	36	37	8	54	0	0
<i>Other Items</i>												
MITIGATION CLEAR & GRUB-ACRE		0.016	0	0	0	0	0	0	0	0	0	0
SOIL AMENDMENT - ACRES		0.039	0.007	0.034	0.09	0.03	0.064	0.046	0.006	0.044	0	0
TOPSOIL TYPE A - 6" DEPTH - CY		0	0	0	27	0	0	52	5	216	0	216
TOPSOIL TYPE A - 12" DEPTH - CY		63	11	55	0	48	104	0	0	0	0	0
SEEDED LAWN - SY		0	0	0	0	0	0	0	0	0	0	1298
WET NATIVE SEEDING - SY		0	0	0	0	0	0	0	0	0	0	99
WOOD CHIP MULCH - CY		16	3	14	36	12	26	19	3	18	0	0
BRUSH PILE		2	0	0	0	0	0	0	0	0	0	0
HABITAT LOG		2	0	0	0	0	0	0	0	0	0	0

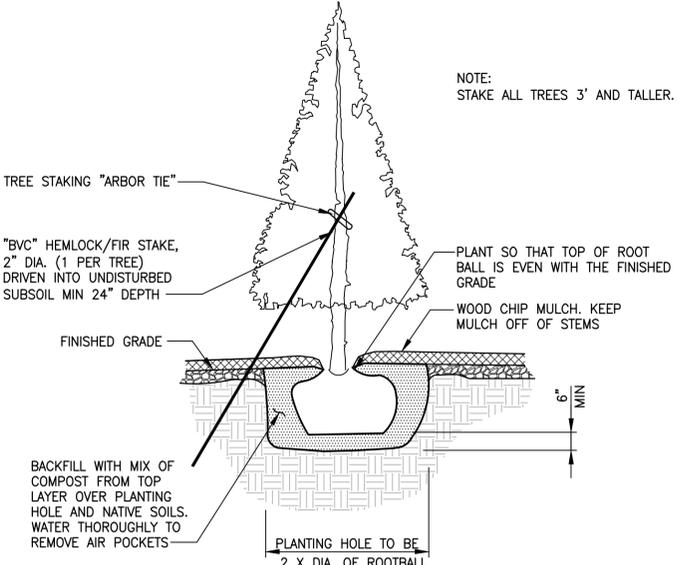
QUANTITY TAB -FOR SHEET LA10-												
QTY BY AREA												
	S31	S32	S33	LS7	S34	WET SEED	LAWN					
Trees	AREA SF	2082	3779	2755	1335	1164	1963	2211				
SHORE PINE		1	13	3	0	4	0	0				
WHITE WONDER DOGWOOD		1	0	3	0	0	0	0				
<i>Medium and Large Shrubs</i>												
VINE MAPLE		8	15	0	0	0	0	0				
WESTERN SERVICEBERRY		8	15	0	0	0	0	0				
OCEAN SPRAY		8	0	0	0	0	0	0				
TALL OREGON GRAPE		0	29	23	0	16	0	0				
OSO BERRY		8	0	0	0	0	0	0				
MOCK ORANGE		8	0	0	0	0	0	0				
RED FLOWERING CURRANT		8	22	23	0	11	0	0				
NOOTKAROSE		8	22	23	0	0	0	0				
SNOWBERRY		8	29	23	0	9	0	0				
WINGED EUONYMUS		17	0	23	0	9	0	0				
<i>Low Plants</i>												
SALAL		0	0	3	0	0	0	0				
MAHONIA REPENS		8	6	4	18	2	0	0				
SWORD FERN		8	6	3	18	2	0	0				
KELSEY DWARF DOGWOOD		8	11	5	37	4	0	0				
DAYLILY		8	6	3	18	2	0	0				
LAVENDER 'HIDCOTE'		0	6	3	18	2	0	0				
LIME MOUND SPIREA		0	11	1	37	4	0	0				
DAVIDS VIBURNUM		8	11	5	37	4	0	0				
<i>Other Items</i>												
SOIL AMENDMENT - ACRES		0.048	0.087	0.063	0.031	0.027	0	0				
TOPSOIL TYPE A - 6" DEPTH - CY		0	70	0	25	0	0	41				
TOPSOIL TYPE A - 12" DEPTH - CY		77	0	102	0	43	0	0				
SEEDED LAWN - SY		0	0	0	0	0	0	246				
WET NATIVE SEEDING - SY		0	0	0	0	0	0	218				
WOOD CHIP MULCH - CY		19	35	26	12	11	0	0				

QUANTITY TAB -FOR SHEET LA11-														
QTY BY AREA														
	S35	S36	S37	S38	WET SEED	LAWN	WE 22AB	SBE #7	WBA 22CD	WBE 22CD				
Trees	AREA SF	1836	1237	3655	342	4265	335	2039	1408	629	10341			
BIG LEAF MAPLE		0	0	0	0	0	0	0	2	1	14			
OREGON ASH		0	0	0	0	0	0	3	0	0	0			
SITKA SPRUCE		0	0	0	0	0	0	3	1	0	7			
SHORE PINE		0	4	2	0	0	0	0	2	1	14			
BITTER CHERRY		2	0	0	0	0	0	0	2	1	14			
DOUGLAS FIR		0	0	0	0	0	0	0	1	0	7			
PACIFIC WILLOW		2	0	0	0	0	0	3	0	0	0			
SCOUERS WILLOW		0	0	0	0	0	0	3	1	0	7			
WESTERN RED CEDAR		0	0	0	0	0	0	3	1	0	7			
WESTERN HEMLOCK		2	0	0	0	0	0	0	0	0	0			
WHITE WONDER DOGWOOD		2	0	4	0	0	0	0	0	0	0			
JAPANESE FLOWERING CHERRY		0	0	2	2	0	0	0	0	0	0			
EXCELSACEDAR		0	0	5	0	0	0	0	0	0	0			
<i>Medium and Large Shrubs</i>														
VINE MAPLE		3	0	0	0	0	0	5	5	2	41			
WESTERN SERVICEBERRY		3	4	10	0	0	0	0	5	2	41			
RED-TWIG DOGWOOD		0	0	0	0	0	0	8	0	0	0			
WESTERN HAZEL		0	0	0	0	0	0	0	2	1	20			
OCEAN SPRAY		0	0	0	0	0	0	0	5	2	41			
BLACK TWINBERRY		0	0	0	0	0	0	8	0	0	0			
TALL OREGON GRAPE		5	11	30	2	0	0	0	0	0	0			
PACIFIC CRAB APPLE		0	0	0	0	0	0	5	0	0	0			
OSO BERRY		1	0	0	0	0	0	0	5	2	41			
MOCK ORANGE		3	0	15	0	0	0	0	5	2	41			
PACIFIC NINEBARK		3	0	0	0	0	0	0	5	2	41			
RED FLOWERING CURRANT		3	9	15	0	0	0	0	5	2	41			
NOOTKAROSE		3	0	0	0	0	0	0	5	2	41			
CLUSTERED ROSE		0	0	0	0	0	0	10	0	0	0			
SITKA WILLOW		0	0	0	0	0	0	8	0	0	0			
SNOWBERRY		4	9	0	0	0	0	8	7	4	61			
WINGED EUONYMUS		0	11	30	2	0	0	0	0	0	0			
<i>Low Plants</i>														
MAHONIA REPENS		41	0	56	9	0	0	0	0	0	0			
SWORD FERN		0	0	0	9	0	0	0	0	0	0			
KELSEY DWARF DOGWOOD		41	9	45	9	0	0	0	0	0	0			
DAYLILY		0	9	56	0	0	0	0	0	0	0			
LAVENDER 'HIDCOTE'		41	9	33	9	0	0	0	0	0	0			
LIME MOUND SPIREA		41	9	33	0	0	0	0	0	0	0			
DAVIDS VIBURNUM		41	0	0	0	0	0	0	0	0	0			
<i>Other Items</i>														
MITIGATION CLEAR & GRUB-ACRE		0	0	0	0	0	0	0.033	0.029	0.014	0.225			
HERBICIDE TREATMENT - SY								159						
SOIL AMENDMENT - ACRES		0.042	0.028	0.084	0.008	0	0	0.033	0.029	0.014	0.225			
TOPSOIL TYPE A - 6" DEPTH - CY		34	0	0	0	0	6	0	0	0	0			
TOPSOIL TYPE A - 12" DEPTH - CY		0	46	135	13	0	0	0	0	0	0			
SEEDED LAWN - SY		0	0	0	0	0	37	0	0	0	0			
WET NATIVE SEEDING - SY		0	0	0	0	474	0	0	0	0	0			
WOOD CHIP MULCH - CY		17	11	34	3	0	0	13	12	6	91			
BRUSH PILE		0	0	0	0	0	0	1	1	0	3			
HABITAT LOG		0	0	0	0	0	0	1	1	1	3			
HABITAT ROCK PILE														

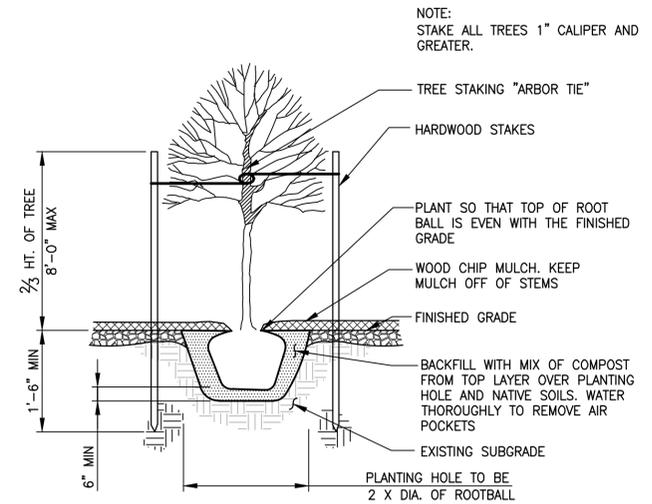
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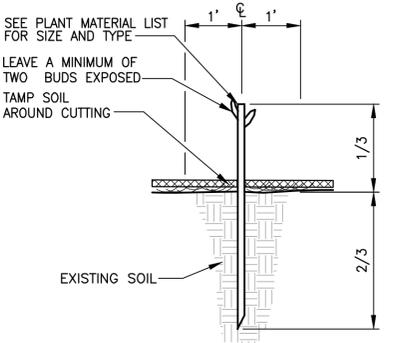
SHRUB AND SMALL TREE PLANTING DETAIL
NO SCALE



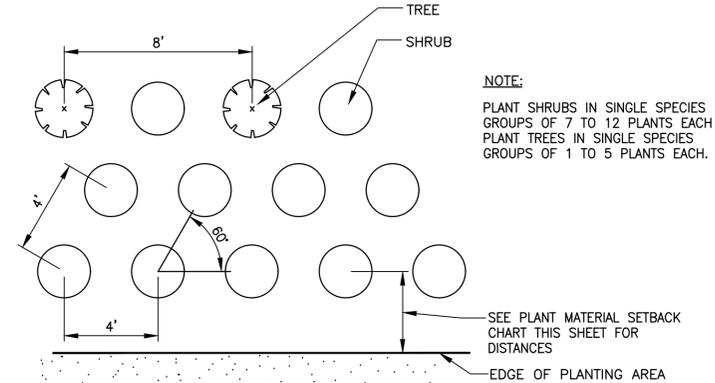
CONIFEROUS TREE PLANTING DETAIL
NO SCALE



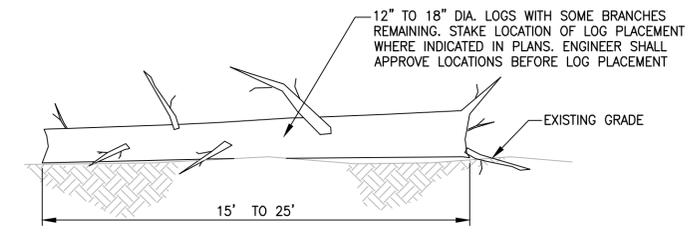
DECIDUOUS TREE PLANTING DETAIL
NO SCALE



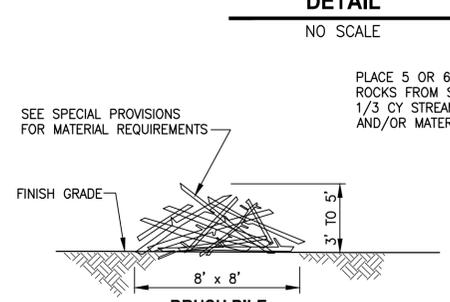
LIVE STAKE INSTALLATION DETAIL
NO SCALE



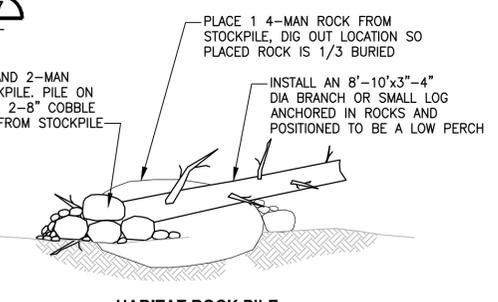
TYPICAL TREE AND SHRUB SPACING DETAIL
NO SCALE



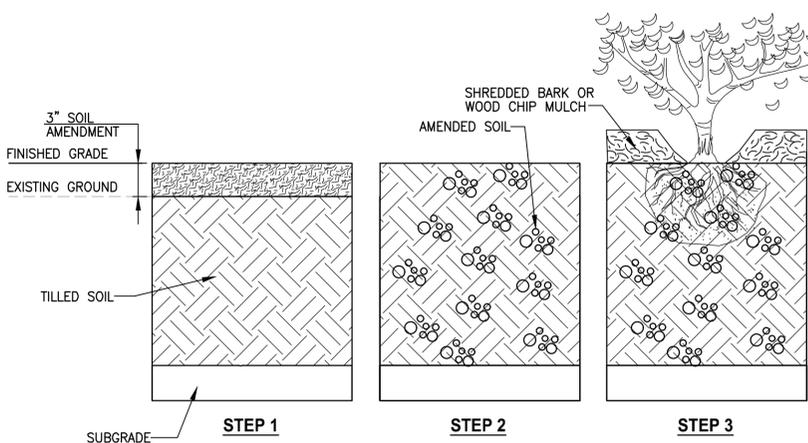
HABITAT LOG DETAIL
NO SCALE



BRUSH PILE DETAIL
NO SCALE



HABITAT ROCK PILE DETAIL
NO SCALE



PLANTING AREA SOIL AMENDMENT- SEQUENCE OF WORK DETAIL
NO SCALE

- STEP 1**
TILL, DISC OR RIP SOIL IN PLANTING AREAS TO 10" DEPTH. PLACE 3" OF SOIL AMENDMENT OVER SOIL SURFACE.
- STEP 2**
TILL SOIL AMENDMENT INTO TOP 10" OF ENTIRE PLANTING ZONES. NATIVE SOIL AFTER CLEARING AND GRUBBING.
- STEP 3**
INSTALL PLANTS FOLLOWED BY 3" WOOD CHIP MULCH.

NOTE:
PLANT SHRUBS IN SINGLE SPECIES GROUPS OF 7 TO 12 PLANTS EACH
PLANT TREES IN SINGLE SPECIES GROUPS OF 1 TO 5 PLANTS EACH.

PLANT MATERIAL SETBACK CHART

	GUARDRAIL BARRIER	EDGE OF ROADWAY	PATHS, TRAILS	WALL	FENCE	SIGNS	EXISTING TREE, TRUNK	EXISTING VEGETATION MASS
EVERGREEN TREE	15'	15'	15'	8'	8'	15'	10'	-
ORNAMENTAL/NATIVE DECIDUOUS TREE	6'	6'	15'	8'	8'	15'	10'	-
MEDIUM AND LARGE SHRUBS - GREATER THAN 3' TALL	5'	5'	10'	3'	3'	6'	5'	5'
SMALL SHRUB - LESS THAN 3' TALL	3'	5'	3'	2'	3'	2'	5'	5'

TYPICAL MINIMUM DISTANCE SETBACKS ARE TO THE CENTER STEM OR TRUNK OF PLANT MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER DURING LAYOUT AND STAKING OF PLANT LOCATIONS.

CONFORMED DRAWING



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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
SAMMAMISH, WA

PLANTING DETAILS

SHEET NO.
157 OF 190
LD1

CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL
BY: ABaty
DATE: 06/10/2021

COMMUNITY DEVELOPMENT
Community Dev

CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW
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10 June 2021

PLANT MATERIAL LIST

BOTANICAL NAME	COMMON NAME	SIZE AND CONDITION	NOTES	
SHORELINE SETBACK ENHANCEMENT, STREAM BUFFER ENHANCEMENT, WETLAND BUFFER ENHANCEMENT AND WETLAND ADDITION PLANTING AREA (SSE, SBE, WBE, WBA)				
TREES				
56 ACER MACROPHYLLUM	BIG LEAF MAPLE	1" CALIPER, CONT. OR B&B	SPACE TREES 8 TO 10-FEET ON CENTER	
27 PICEA SITCHENSIS	SITKA SPRUCE	4' HT., CONT.		
58 PINUS CONTORTA 'CONTORTA'	SHORE PINE	4' HT., CONT.		
58 PRUNUS EMARGINATA	BITTER CHERRY	1" CALIPER, CONT. OR B&B		
27 PSUEDOTSGA MENZIESII	DOUGLAS FIR	4' HT., CONT.		
27 SALIX SCOULERIANA	SCOULERS WILLOW	1" CALIPER, CONT. OR B&B		
27 THUJA PLICATA	WESTERN RED CEDAR	4' HT., CONT.		
SHRUBS				
152 ACER CIRCINATUM	VINE MAPLE	12" HT., #1 CONT.	SPACE SHRUBS 4 TO 6-FEET ON CENTER	
130 AMELANCHIER ALNIFOLIA	WESTERN SERVICEBERRY	12" HT., #1 CONT.		
16 CORNUS SERICEA	RED-TWIG DOGWOOD	12" HT., #1 CONT.		
75 CORYLUS CORNUTA	WESTERN HAZEL	12" HT., #1 CONT.		
130 HOLODISCUS DISCOLOR	OCEAN SPRAY	12" HT., #1 CONT.		
16 LONICERA INVOLUCRATA	BLACK TWINBERRY	12" HT., #1 CONT.		
24 MAHONIA AQUIFOLIUM	TALL OREGON GRAPE	12" HT., #1 CONT.		
33 MALUS FUSCA	PACIFIC CRAB APPLE	12" HT., #1 CONT.		
124 OENLARIA CERASIFORMIS	OSO BERRY	12" HT., #1 CONT.		
131 PHILADELPHUS LEWISII	MOCK ORANGE	12" HT., #1 CONT.		
102 PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK	12" HT., #1 CONT.		
128 RIBES SANGUINEUM	RED FLOWERING CURRANT	12" HT., #1 CONT.		
142 ROSA NUTKANA	NOOTKA ROSE	12" HT., #1 CONT.		
229 SYMPHORICARPOS ALBUS	SNOWBERRY	12" HT., #1 CONT.		
LOW SHRUBS				
126 GAULTHERIA SHALLON	SALAL	#1 CONT.		SPACE PLANTS 3-FEET ON CENTER
126 MAHONIA REPENS	MAHONIA REPENS	#1 CONT.		
130 POLYSTICHUM MUNIUM	SWORD FERN	#1 CONT.		
WETLAND ENHANCEMENT PLANTING AREAS (AREA WE)				
TREES				
14 FRAXINUS LATIFOLIA	OREGON ASH	1" CALIPER, CONT. OR B&B	SPACE TREES 8 TO 10-FEET ON CENTER	
14 PICEA SITCHENSIS	SITKA SPRUCE	4' HT., CONT.		
14 SALIX L. SSP. LASIANDRA	PACIFIC WILLOW	1/2" DIA. X 36" LIVESTAKE CUTTING		
14 SALIX SCOULERIANA	SCOULERS WILLOW	1/2" DIA. X 36" LIVESTAKE CUTTING		
14 THUJA PLICATA	WESTERN RED CEDAR	4' HT., CONT.		
SHRUBS				
33 ACER CIRCINATUM	VINE MAPLE	12" HT., #1 CONT.	SPACE SHRUBS 4 TO 6-FEET ON CENTER	
49 CORNUS SERICEA	RED-TWIG DOGWOOD	1/2" DIA. X 36" LIVESTAKE CUTTING		
36 LONICERA INVOLUCRATA	BLACK TWINBERRY	12" HT., #1 CONT.		
33 MALUS FUSCA	PACIFIC CRAB APPLE	12" HT., #1 CONT.		
28 RIBES SANGUINEUM	RED FLOWERING CURRANT	12" HT., #1 CONT.		
51 ROSA PISOCARPA	CLUSTERED ROSE	12" HT., #1 CONT.		
49 SALIX SITCHENSIS	SITKA WILLOW	1/2" DIA. X 36" LIVESTAKE CUTTING		
49 SYMPHORICARPOS ALBUS	SNOWBERRY	12" HT., #1 CONT.		
SHRUBS				
38 GAULTHERIA SHALLON	SALAL		SPACE PLANTS 3-FEET ON CENTER	
38 MAHONIA REPENS	MAHONIA REPENS			
39 POLYSTICHUM MUNIUM	SWORD FERN			

BOTANICAL NAME	COMMON NAME	SIZE AND CONDITION	NOTES	
TALL SHRUB AND TREE PLANTING MIX				
TREES				
2 ACER MACROPHYLLUM	BIG LEAF MAPLE	1" CALIPER, CONT. OR B&B	SPACE SHRUBS 4 TO 6-FEET ON CENTER	
58 PINUS CONTORTA 'CONTORTA'	SHORE PINE	4' HT., CONT.		
16 PRUNUS EMARGINATA	BITTER CHERRY	1" CALIPER, CONT. OR B&B		
26 PSUEDOTSGA MENZIESII	DOUGLAS FIR	4' HT., CONT.		
2 SALIX L. SSP. LASIANDRA	PACIFIC WILLOW	1/2" DIA. X 36" LIVESTAKE CUTTING		
16 THUJA PLICATA	WESTERN RED CEDAR	4' HT., CONT.		
4 TSUGA HETEROPHYLLA	WESTERN HEMLOCK	4' HT., CONT.		
40 CORNUS 'EDDIE'S WHITE WONDER'	WHITE WONDER DOGWOOD	1" CALIPER, CONT. OR B&B		
9 PRUNUS SERRULATA 'AMANOGAWA'	JAPANESE FLOWERING CHERRY	1 1/2" CALIPER, CONT. OR B&B		
7 THUJA PLICATA 'EXCELSA'	EXCELSA CEDAR	6' HT., CONT. OR B&B		
SHRUBS				
87 ACER CIRCINATUM	VINE MAPLE	12" HT., #1 CONT.	SPACE SHRUBS 4 TO 6-FEET ON CENTER	
105 AMELANCHIER ALNIFOLIA	WESTERN SERVICEBERRY	12" HT., #1 CONT.		
7 CORNUS SERICEA	RED-TWIG DOGWOOD	12" HT., #1 CONT.		
34 HOLODISCUS DISCOLOR	OCEAN SPRAY	12" HT., #1 CONT.		
0 LONICERA INVOLUCRATA	BLACK TWINBERRY	12" HT., #1 CONT.		
347 MAHONIA AQUIFOLIUM	TALL OREGON GRAPE	12" HT., #1 CONT.		
79 MYRICA CALIFORNICA	PACIFIC WAX MYRTLE	12" HT., #1 CONT.		
16 OENLARIA CERASIFORMIS	OSO BERRY	12" HT., #1 CONT.		
126 PHILADELPHUS LEWISII	MOCK ORANGE	12" HT., #1 CONT.		
21 PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK	12" HT., #1 CONT.		
285 RIBES SANGUINEUM	RED FLOWERING CURRANT	12" HT., #1 CONT.		
203 ROSA NUTKANA	NOOTKA ROSE	12" HT., #1 CONT.		
299 SYMPHORICARPOS ALBUS	SNOWBERRY	12" HT., #1 CONT.		
233 EUONYMUS ALATUS 'COMPACTUS'	WINGED EUONYMUS	18" HT., #2 CONT.		
35 THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	6' HT., CONT. OR B&B		
LOW GROW PLANTING MIX				
257 GAULTHERIA SHALLON	SALAL	#1 CONT.		SPACE PLANTS 3-FEET ON CENTER
1112 MAHONIA REPENS	MAHONIA REPENS	#1 CONT.		
733 POLYSTICHUM MUNIUM	SWORD FERN	#1 CONT.		
829 CORNUS SERICEA 'KELSEY'	KELSEY DWARF DOGWOOD	#2 CONT.	SPACE PLANTS 2-FEET ON CENTER	
427 HEMEROCALLIS 'STELLA DE ORO'	DAYLILY	#1 CONT.		
382 LAVANDULA ANGUSTIFOLIA 'HIDCOTE'	LAVENDER 'HIDCOTE'	#2 CONT.	SPACE PLANTS 3-FEET ON CENTER	
431 SPIRAEA BIMALDA 'LIMEMOUND'	LIME MOUND SPIREA	#2 CONT.		
607 VIBURNUM DAVIDII	DAVIDS VIBURNUM	#2 CONT.	SPACE PLANTS 4-FEET ON CENTER	

PLANTING NOTES:

- CONTRACTOR SHALL ARRANGE TO MEET ON SITE WITH PROJECT REPRESENTATIVE TO DISCUSS LIMITS OF WORK AND METHODS. CONSTRUCTION ACTIVITIES SHALL NOT COMMENCE UNTIL ACCESS, LIMITS OF WORK, AND METHODS ARE APPROVED.
- MITIGATION WORK ELEMENTS INCLUDING MITIGATION CLEARING & GRUBBING, HERBICIDE TREATMENT, SOIL AMENDMENT, WOOD CHIP MULCH, HABITAT FEATURES AND PLANTING LOCATIONS SHALL BE LOCATED IN AREAS CLEARED OF UNWANTED VEGETATION AND OPEN AREAS WITHOUT NATIVE VEGETATIVE COVER WITHIN THE MITIGATION AREA.
- MITIGATION AREA BOUNDARY LIMITS SHALL BE STAKED FOR APPROVAL BY PROJECT REPRESENTATIVE. ELECTRONIC FILES FOR LIMITS WILL BE PROVIDED UPON AWARD OF CONTRACT.
- PLANTING PLANS REPRESENT A CONCEPTUAL PLANT LAYOUT, FINAL PLANT LOCATIONS SHALL BE APPROVED BY PROJECT REPRESENTATIVE PRIOR TO PLANTING.
- USE ONLY HAND TOOLS TO CLEAR AND CULTIVATE SOIL UNDER THE CANOPY (WITHIN AND 5' OUTSIDE THE DRIPLINE) OF EXISTING TREES.
- ALL PLANTS SHALL BE NURSERY GROWN A MINIMUM OF ONE YEAR. PLANT MATERIAL IS TO BE SUPPLIED BY COMMERCIAL NURSERIES THAT SPECIALIZE IN PLANTS NATIVE TO THE PACIFIC NORTHWEST. PLANT SUBSTITUTIONS ARE SUBJECT TO APPROVAL BY PROJECT REPRESENTATIVE.
- MITIGATION PLANTING SHALL TAKE PLACE DURING THE DORMANT SEASON (OCTOBER 1ST TO MARCH 1ST). PLANTING MAY BE ALLOWED AT OTHER TIMES AFTER REVIEW AND WRITTEN APPROVAL BY PROJECT REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS AND EXCESS SOIL OCCASIONED BY THIS PROJECT.
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR SHALL SETBACK PLANTINGS FROM OTHER OBJECTS AS PROVIDED IN THE PLANT MATERIAL SETBACK CHART THIS SHEET.
- ALL DIMENSIONS FOR LISTED HEIGHT, LENGTH AND CONTAINER SIZE ARE MINIMUM REQUIREMENTS.
- EXISTING AREAS DISTURBED BY CONSTRUCTION ACTIVITIES AND NOT SHOWN TO BE RE-VEGETATED ON THESE PLANS SHALL BE RESTORED AND SEEDED.
- DISCREPANCIES BETWEEN THE PLANS AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT REPRESENTATIVE PRIOR TO PROCEEDING WITH EFFECTED WORK.
- SEE TE SHEETS FOR TEMPORARY EROSION CONTROL MEASURES.
- AFTER COMPLETION OF INITIAL PLANTING SPRAY MITIGATION AREA TREES AND SHRUBS ONLY WITH AN HERBIVORE REPELLENT TREATMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING PLANTS FOR THE FIRST YEAR AFTER ACCEPTANCE OF COMPLETION OF PLANTING FOR THE PROJECT. COUNTY WILL MAKE PROVISIONS FOR WATERING AS NEEDED FOR THE REMAINDER OF THE ESTABLISHMENT PERIOD AFTER THE FIRST YEAR.

CONFORMED DRAWING



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 FILE NAME: BL1521075P19T03LD-01
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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 1
 SAMMAMISH, WA

PLANTING SCHEDULE

SHEET NO.
 158 OF 190
LD2

CITY OF SAMMAMISH APPROVAL

PLANNING DEPT. APPROVAL
 BY: Abaty
 DATE: 06/10/2021

Community Development
 CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW
 These drawings have been reviewed for compliance with City of Sammamish Clearing and Grading and Stormwater requirements and also in accordance with the requirements as established in the Settlement Agreement between King County vs. City of Sammamish No. C17-0921 JCC and King County vs. City of Sammamish No. 17-2-29922-7 SEA and have been deemed ACCEPTABLE. The reviewer accepts no responsibility for any errors and/or omissions made by the preparer of these drawings.
 10 June 2021

LAYOUT: LD2
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PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\985\CA00\Phase 19\T03_Civil\Draw-Phase1\ PLOTTED BY: purgobut DATE: Friday, November 13, 2020 10:07:04 AM LAYOUT: LD3

1.1 Mitigation Goals, Objectives, and Performance Standards

The overall goal of the mitigation effort is to replace the habitats and functions lost as a result of the project. In Phase 1 of South Sammamish Segment B, the proposed mitigation will accomplish this by enhancing 0.16 acre of wetland, increasing the buffer of 3 wetlands by 0.42 acre, enhancing 0.42 acre of wetland buffer, enhancing 0.03 acre of stream buffer, and enhancing 0.05 acre of shoreline setback. In addition, mitigation for 0.1 acre of permanent wetland impacts will occur at an off-site approved mitigation bank, and thus, this mitigation will not be carried forward in the following sections. Specific goals and objectives formulated to achieve this result are presented below.

1.1.1 Mitigation Goals

The mitigation goals are:

- Enhance 0.16 acre of wetland.
- Increase and enhance the buffer of 3 wetlands by 0.42 acre.
- Enhance 0.42 acre of wetland buffer.
- Enhance 0.03 acre of stream buffer.
- Enhance 0.05 acre of shoreline setback.

Achievement of these goals is expected to provide the following improvements to wetland, stream, wetland buffer, stream buffer, and shoreline setback functions:

- Increase the production of organic matter by planting trees and shrubs in the enhanced wetland, increased wetland buffer, enhanced wetland buffer, enhanced stream buffer, and enhanced shoreline setback.
- Increase fish and wildlife habitat and improve biological diversity by planting with a variety of native wetland and buffer plant species and installing habitat features (habitat logs and brush piles).

1.1.2 Mitigation Objectives and Performance Standards

1.1.2.1 Wetlands

Objective 1: Enhance by planting native species a minimum of 0.16-acre forested and scrub-shrub wetland at the enhanced wetland areas.

Performance Standards:

Year 1	Survival of planted woody species in enhanced wetland areas will be at least 80 percent.
Year 2	Record percent cover of native woody species in enhanced wetland area to establish a baseline for areal cover.
Year 3	Native woody species will achieve a minimum of 25 percent areal cover, including desirable native volunteers, in the enhanced wetland areas.
Year 5	Native woody species will achieve a minimum of 50 percent areal cover, including desirable native volunteers, in the enhanced wetland areas.
Year 7	Native woody species will achieve a minimum of 70 percent areal cover in the enhanced wetland areas.
Year 10	Native woody species will achieve a minimum of 80 percent areal cover in the enhanced wetland area.

1.1.2.2 Wetland and Stream Buffers Areas

Objective 2: Establish a minimum of 0.84-acre forested and scrub-shrub wetland buffer, and 00.03-acre forested stream buffer at the increased/enhanced wetland buffer and enhanced stream buffer areas.

Performance Standards:

Year 1	Survival of planted woody species in increased/enhanced wetland buffer and enhanced stream buffer areas will be at least 80 percent.
Year 2	Record percent cover of native woody species in increased/enhanced wetland buffer and enhanced stream buffer areas to establish a baseline for areal cover.
Year 3	Native woody species will achieve a minimum of 25 percent areal cover in the increased/enhanced wetland buffer and enhanced stream buffer areas.
Year 5	Native woody species will achieve a minimum of 50 percent areal cover in the increased/enhanced wetland buffer and enhanced stream buffer setback areas.
Year 7	Native woody species will achieve a minimum of 70 percent areal cover in the increased/enhanced wetland buffer and enhanced stream buffer areas.
Year 10	Native woody species will achieve a minimum of 80 percent areal cover in the increased/enhanced wetland buffer and enhanced stream buffer areas.

1.1.2.3 Shoreline Setback Areas

Objective 3: Establish a minimum of 0.05-acre forested habitat at the shoreline setback areas.

Performance Standards:

Year 1	Survival of planted woody species in enhanced shoreline setback areas will be at least 80 percent.
Year 2	Record percent cover of native woody species in enhanced shoreline setback areas to establish a baseline for areal cover.
Year 3	Native woody species will achieve a minimum of 25 percent areal cover in enhanced shoreline setback areas.
Year 5	Native woody species will achieve a minimum of 50 percent areal cover in enhanced shoreline setback areas.
Year 7	Native woody species will achieve a minimum of 70 percent areal cover in enhanced shoreline setback areas.
Year 10	Native woody species will achieve a minimum of 80 percent areal cover in enhanced shoreline setback areas.

1.1.2.4 Invasive Species

Objective 4: Limit invasive non-native species throughout the mitigation site planting areas.

Performance Standards:

Year 1, 2, 3, 5, 7, and 10	Himalayan blackberry, cutleaf blackberry, Scotch broom, English ivy, reed canarygrass, and hedge false bindweed will not exceed 20 percent areal cover in all planting areas.
Year 3	100 percent removal of Japanese knotweed by Year 3 in the Wetland 22CD buffer enhancement area.

1.1.2.5 Wildlife Habitat

Objective 5: Provide wildlife habitat.

Performance Standards:

Year 1, 2, 3, 5, 7, and 10	Increase in areal cover of native woody species in all mitigation areas, as measured in Objectives 1, 2, and 3, to be used as a surrogate to indicate increasing habitat functions.
Year 1, 3, 5, 7, and 10	Increase in species richness of native species over preexisting conditions in all mitigation areas, as measured in Objectives 1, 2, and 3, to be used as a surrogate to indicate increased habitat functions.
Year 1, 2, 3, 5, 7, and 10	Installed habitat features are present and functional.

1.1.2.6 Anthropogenic Disturbance

Objective 6: Protect the mitigation sites from anthropogenic disturbance.

Performance Standards:

Year 1 through 10	Conduct qualitative monitoring to assess the status of the sites yearly during the 10-year monitoring period to monitor for human disturbance, including but not limited to filling, trash, and vandalism.
Year 1 through 10	Install and maintain fences and appropriate signs along the trail adjacent to each site to identify their protected status.

1.2 Record Drawings

Record drawings and/or a report documenting the as-built or installed conditions will be prepared after construction and plantings are complete. The report will include the following components: (1) drawings that clearly identify the boundaries of the mitigation areas; (2) locations of the sampling and monitoring sites (including photo-point locations); (3) locations of hydrology monitoring stations; (4) photographs of the mitigation sites; and (5) an analysis of any changes to the mitigation plan that occurred during construction. A copy of the record drawing report will be sent to the City and USACE within 60 days of completion of construction and planting.

1.3 Monitoring

The mitigation areas will be monitored during and after construction. During construction, monitoring will ensure that the BMPs are observed to minimize impacts, and the on-site construction work (including grading and planting) will be coordinated to ensure that the sites are constructed as designed.

After construction is completed, long-term monitoring will be performed annually to ensure that the goals and objectives of the mitigation are being met. Monitoring of the mitigation areas will be performed over a 10-year period by a qualified professional (SMC 21A.50.145; 21A.50.300). A combination of quantitative and qualitative monitoring activities will be used to assess the management objectives and associated performance standards described in the mitigation plan. Activities will include site visits to monitor unnatural site disturbance, photographs to document site development, and data collection for the quantitative evaluation of performance standards. The results of the monitoring will be submitted to the permitting agencies.

Appropriate contingency measures will be developed, as needed, by a qualified professional to ensure that the sites develop healthy vegetation that meets the obligations described in this mitigation plan and the associated permits.

1.3.1 Quantitative Monitoring

The following bulleted items describe the methods to be used for the quantitative monitoring, monitoring schedule, and report deadlines.

- The planting sites will be assessed by an appropriate quantitative vegetative field assessment methodology. The line intercept method will be used for determining percent areal cover for woody and invasive species. Plant richness will be determined by a count of native tree and shrub species.
- Quantitative vegetation assessments will follow the same method in each consecutive monitoring year.
- Quantitative vegetation assessments will be performed between June 15 and September 15 of each monitoring year.
- Monitoring reports will be sent to agencies requiring monitoring reports by October 31 of each monitoring year.
- Permanent photographic stations will be established to monitor the development of the sites. Photographs will be taken along transect lines and from vantage points that capture the general mitigation area. All photographs will be labeled to identify locations.

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PROJECT NAME
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MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B - PHASE 1**
SAMMAMISH, WA

MITIGATION NOTES

SHEET NO.
159 OF 190
LD3

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PLANNING DEPT. APPROVAL
BY: Abaty
DATE: 06/10/2021

COMMUNITY DEVELOPMENT REVIEW
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REVISIONS	DATE	BY	DESIGNED
			J. SWENSON
			B. PURGANAN
			Y. HO
			J. BAILEY

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1.3.2 Qualitative Monitoring

Qualitative monitoring will be conducted as follows:

- A qualified professional will qualitatively assess the constructed habitat for the first 3 years.
- Qualitative assessment will be performed yearly to visually assess the health of plants and identify areas that may need control of non-native invasive species or other maintenance activities.
- During all qualitative monitoring years, photographic documentation of the sites will occur from permanent photograph stations.

1.4 Maintenance

The proposed mitigation is intended to achieve the performance standards with minimal ongoing maintenance. However, King County will manage and maintain the site for 10 years, or until all performance standards are met and the site is closed with the approval of permitting agencies.

As mentioned previously, King County Parks has a formal maintenance program for its trail mitigation projects. The County understands that regular maintenance is necessary to achieve its mitigation commitments in public trail corridors.

Planted vegetation species are adapted to varying site conditions in the Puget Sound lowland, although supplemental irrigation may be needed during the first two growing seasons after installation to ensure the long-term survival of the plants. The need for irrigation will be evaluated based on the conditions observed during the establishment period.

To ensure rapid establishment of the plant community, trees and shrubs will be planted closer together than would generally occur in natural mature stands. Some natural mortality is expected to occur during the monitoring period. All dead and downed woody material will be left in place to provide microhabitats for wildlife. Plants will be replaced as needed to meet performance standards.

Maintenance to control nuisance species in the mitigation areas will likely be necessary. During the monitoring period, if it becomes evident that invasive species are impeding establishment of desirable native plants, measures will be implemented to control nuisance species. A progressively aggressive approach will be used to control nuisance species. Control measures will first include hand cutting and/or grubbing and removal; if this fails, an environmentally sensitive herbicide (e.g., Rodeo or equivalent) may be applied.

A project specific Vegetation Management Plan (VMP) will identify the practices, policies, and procedures for addressing hazard trees, maintaining vegetation at intersections within sight distance triangles and along the trail corridor, addressing noxious weeds, and maintaining drainage features (ditches, pipes, culverts). King County is currently redesigning drainage to comply with the most current stormwater regulations. King County will provide a segment specific update to the Vegetation Management Plan, including a maintenance schedule.

There are some specific instances where care needs to be taken when conducting regularly scheduled maintenance activities. This is directly related to management activities within mitigation sites as well as for the protection of existing critical area features such as wetlands and streams that are adjacent to the alignment and are detailed further below.

1.4.1 Ditch Maintenance Activities

Care needs to be taken when conducting maintenance on ditches that drain to streams or those that are associated with wetlands. Activities such as removal of accumulated sediment can alter flow patterns, alter the hydroperiod of wetlands, and encourage growth of invasive and noxious plant species. It is recommended that accumulated sediment removal from ditches be limited only to that necessary to maintain flow within the ditch (top 1 to 2 inches of accumulated sediment). In addition, over-excavation can also result in removal of native vegetation and may interfere with the success of mitigation areas in meeting their specific identified performance standards during regularly scheduled maintenance activities.

1.4.2 Vegetation Maintenance

Care should be taken when maintaining vegetation along the trail alignment, particularly within trailside wetlands, mitigation areas, and along streams. It is recommended that these areas be clearly marked and differentiated from landscaping areas so that each area specific maintenance needs are met. Vegetation in mitigation areas should never be mowed. Instead vegetation should only be trimmed to the extent that the trail remains unobstructed and to maintain adequate flow conveyance through ditch systems along the trail. This will ensure that mitigation areas meet their target performance standards during regularly scheduled monitoring.

1.5 Contingency Measures

Adaptive management is driven by the monitoring results and the performance standards. If the performance standards are not met, adaptive management activities will be implemented to achieve the desired condition. Management activities may include implementation of contingencies described in Table 5-5, or other appropriate measures. Site conditions will be evaluated to determine the cause of the problem and the most appropriate countermeasure.

Table 5-5. Contingency Measures for the Mitigation Sites

Problem	Contingency Measure
Less than 80% of planted woody species survive in Year 1	King County biologists (or other qualified biologist) will assess the sites to determine what conditions are preventing the plants from thriving. Appropriate measures will be taken to correct any conditions that are limiting growth. Plants will be replaced with appropriate native species to achieve the Year 1 standard. Additional measures (such as providing additional protection) will be considered if necessary.
Percent cover for woody species not met during Years 3, 5, or 7	King County biologists (or other qualified biologist) will assess the sites to determine what conditions are preventing the plants from thriving. Appropriate measures, such as increased weed control or extra plantings, will be taken to correct any conditions that are limiting growth.
Invasive species exceed percent cover threshold	Implement/revise invasive species control plan.
Performance standards not met at Year 10	Continue the monitoring regime for 1 additional year. The sites will continue to be evaluated every year until each site has met the stated performance standards associated with management objectives. Other contingency measures may be implemented during this period.

Information from the annual monitoring program will be used to identify any maintenance and/or corrective actions. If problems are identified in monitoring, King County biologists will determine the cause of the problem and implement proper maintenance or corrective activities. These activities will be discussed in the annual monitoring report.

1.6 Performance Security/Financial Assurance

This mitigation project will be sponsored by King County. The County will implement a suitable mechanism to ensure that the project is implemented successfully and monitored for a minimum of 10 years, or until the project mitigation is deemed a success by achieving its performance standards.

1.7 Site Protection

The County owns the property underlying the mitigation sites. They will protect the mitigation sites in perpetuity through a legal mechanism that permits maintenance and monitoring of the mitigation area. This mechanism shall be retained by the County and may be submitted to the USACE after permit issuance, if required. In addition, permanent fencing and/or signs indicating that the area is a natural or sensitive or critical area to be protected from disturbance will be posted along the boundaries of each mitigation area.

1.8 Long-term Management Plan

The mitigation sites are located on King County property. After attainment of performance standards and acceptance of the mitigation project by the USACE, the County will implement a long-term management plan for the sites as part of trail operations, if required.

Site management activities will include noxious weed control, damage repair from vandalism, trash removal, and signage maintenance.

Monitoring reports or technical memoranda will document annual management activities and identify key issues and actions needed for the following year. Reports are anticipated to be submitted every year to the USACE, by the end of the calendar year, for the first 10 years following attainment of performance standards.

The County will issue a letter of assurance to cover long-term management costs of the mitigation site to the USACE ensuring the County's compliance with the long-term management plan.

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SAMMAMISH, WA

MITIGATION NOTES

SHEET NO.
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LD4

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DATE: 06/10/2021

Community Development

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