

# BOECKMAN CREEK FLOW MITIGATION PROJECT (post Boeckman Dip Bridge work)

March 31, 2025  
Public Meeting



Andrew Barrett, PE, Capital Projects Manager  
Nancy Kraushaar, PE, Project Engineer

# DISCUSSION ITEMS

1. Brief Project Background
2. Design Summary
3. Easements Required/ Locations
4. Schedule
5. Brenchley Estates FAQs

# BOECKMAN CREEK FLOW MITIGATION PROJECT BACKGROUND

Two elements of the Boeckman Road Corridor Project (BRCP) remain after the Boeckman Creek Bridge completion:

- Remove the existing culvert, flow control structure, and remaining old road embankment with stream restoration work to provide fish passage as required by state and federal laws
- Mitigation for resulting flow differential after removing the flow control structure (installed to meter flows diverted from Coffee Lake drainage basin decades earlier.



Left: Existing flow control structure upstream of Boeckman Road



Below: Existing culvert under Boeckman Road

# BOECKMAN CREEK FLOW MITIGATION PROJECT BACKGROUND

May 2023 “Boeckman Creek Flow Mitigation Alternatives Evaluation, Technical Memorandum” recommendation:

Return diverted flows to the Coffee Lake basin by constructing modifications to the Coffee Creek conveyance system between Mentor Graphics (Siemens) and I-5.

Designed for 24-hour, 100-yr event.

Result: Send flows to south and west; and easements will be needed.



Above: Existing flow diversion structure on Siemens property – diverts flows from Coffee Lake Basin to Boeckman Creek Basin

# DESIGN SUMMARY – See Design Drawings

Locations 1 and 2: Modify the existing diversion structure and weir on the Mentor Graphics/Siemens property north of Boeckman Road

Location 3: Upsize culvert that crosses Boeckman Road

Locations 4 and 5: Modify culverts at Parkway Lane and Ash Meadows Road



Temporary construction easements and permanent stormwater easements required:

- For construction
- To maintain the drainage areas as needed and/or establish new 100-yr water surface elevation area

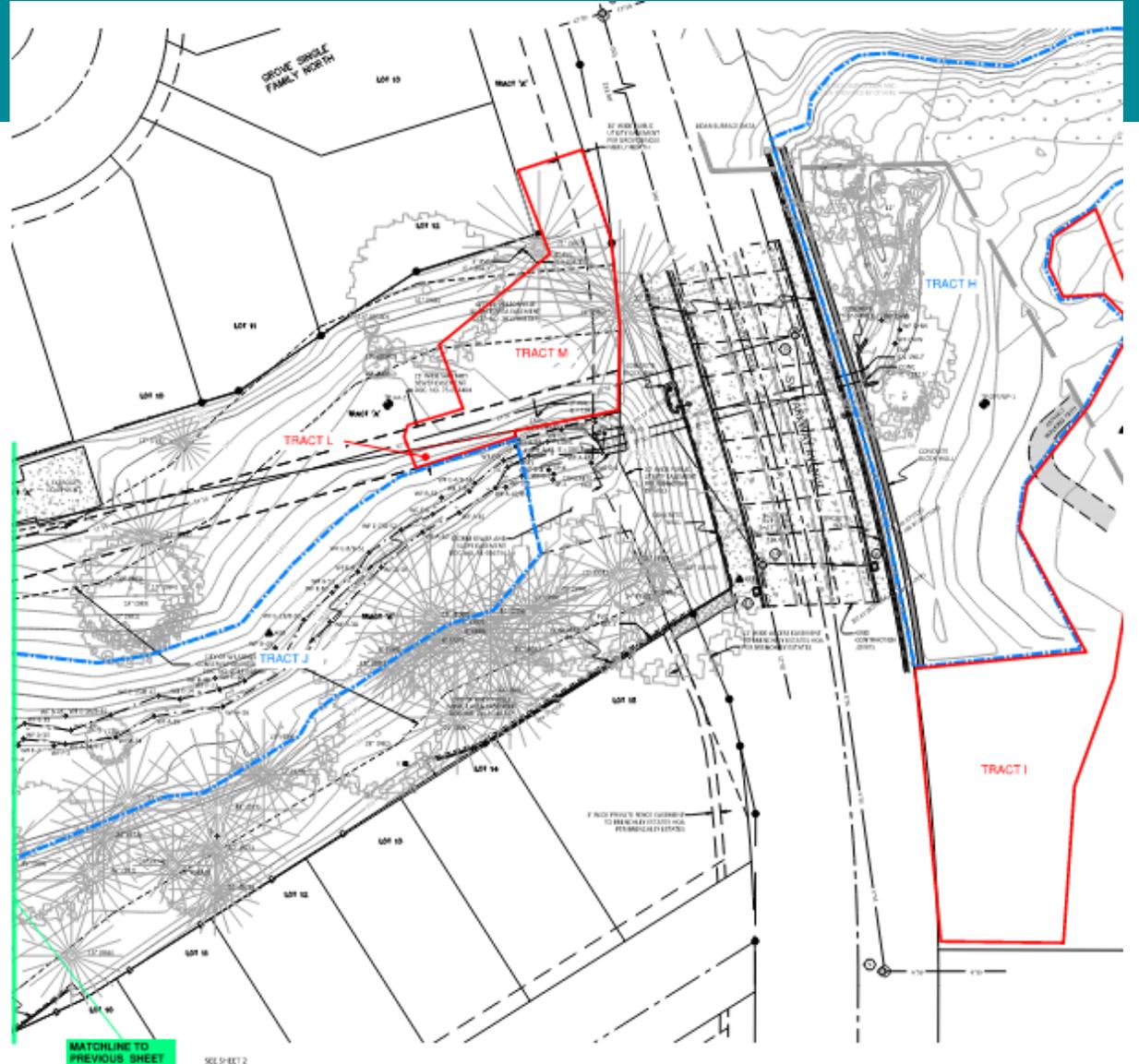


# Easement Locations

Location 4 and 5 – Modify culverts and improve drainageway

Blue: Stormwater easement – J, K, Q

Red: Temporary construction easement (TCE) – Tracts I, L, M, N, O, P,

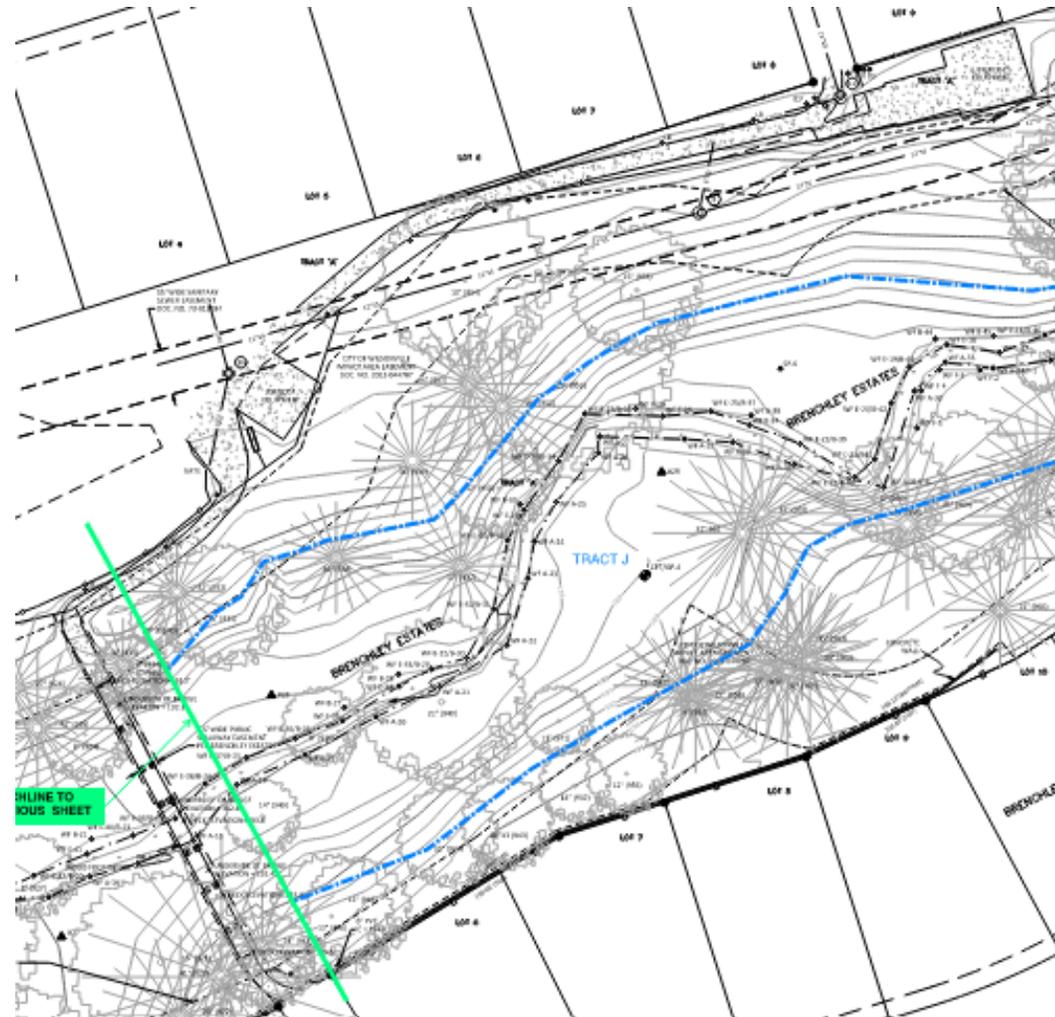


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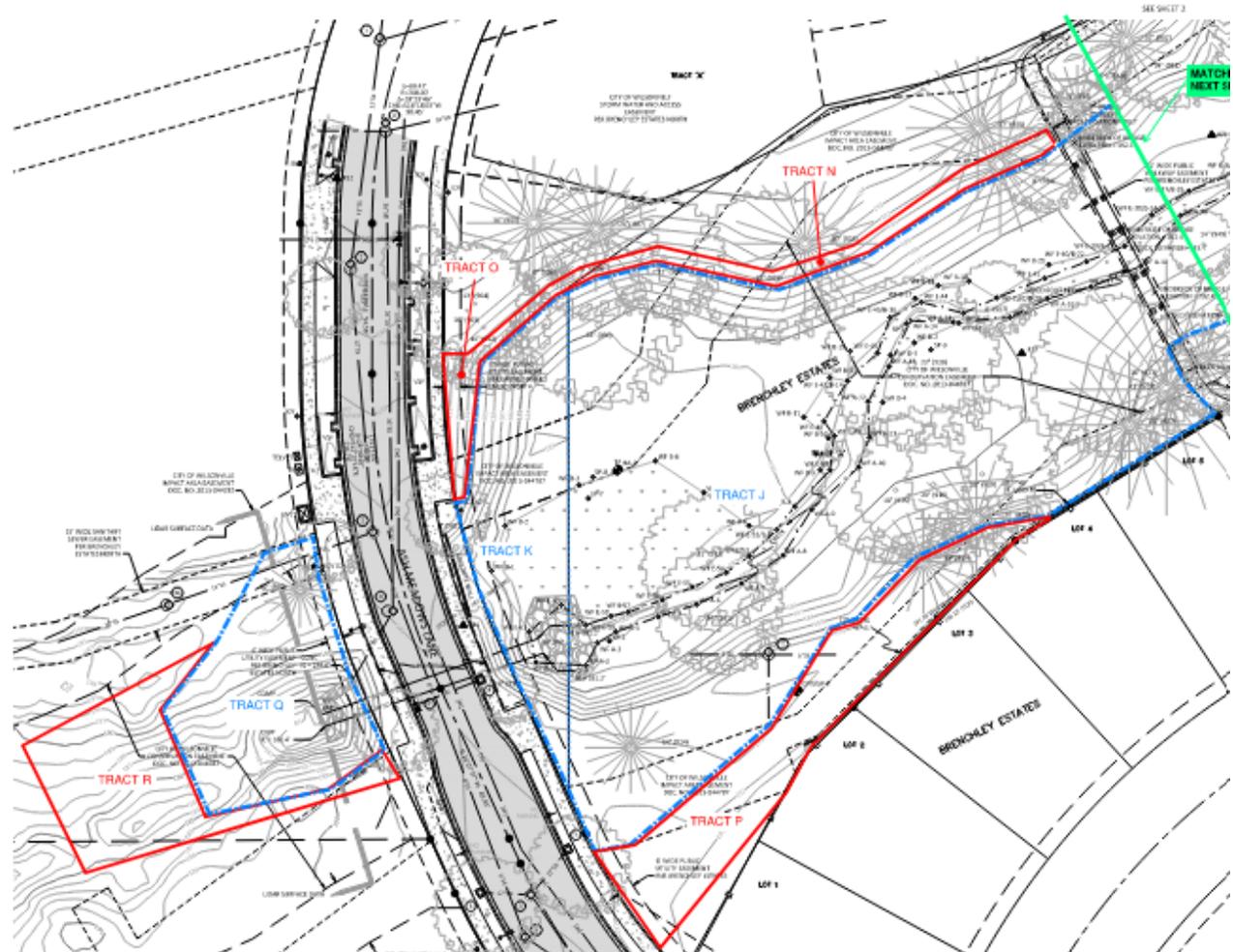
PROJECT CONTROL:	
DATE	DESCRIPTION
11	1.5" 90°/45°/45° CAP 10" DIA 10' L
12	1.5" 90°/45°/45° CAP 10" DIA 10' L
13	1.5" 90°/45°/45° CAP 10" DIA 10' L
14	1.5" 90°/45°/45° CAP 10" DIA 10' L
15	1.5" 90°/45°/45° CAP 10" DIA 10' L
16	1.5" 90°/45°/45° CAP 10" DIA 10' L
17	1.5" 90°/45°/45° CAP 10" DIA 10' L
18	1.5" 90°/45°/45° CAP 10" DIA 10' L
19	1.5" 90°/45°/45° CAP 10" DIA 10' L
20	1.5" 90°/45°/45° CAP 10" DIA 10' L

# Easement Locations

Location 4 and 5 – Modify culverts and improve  
drainageway

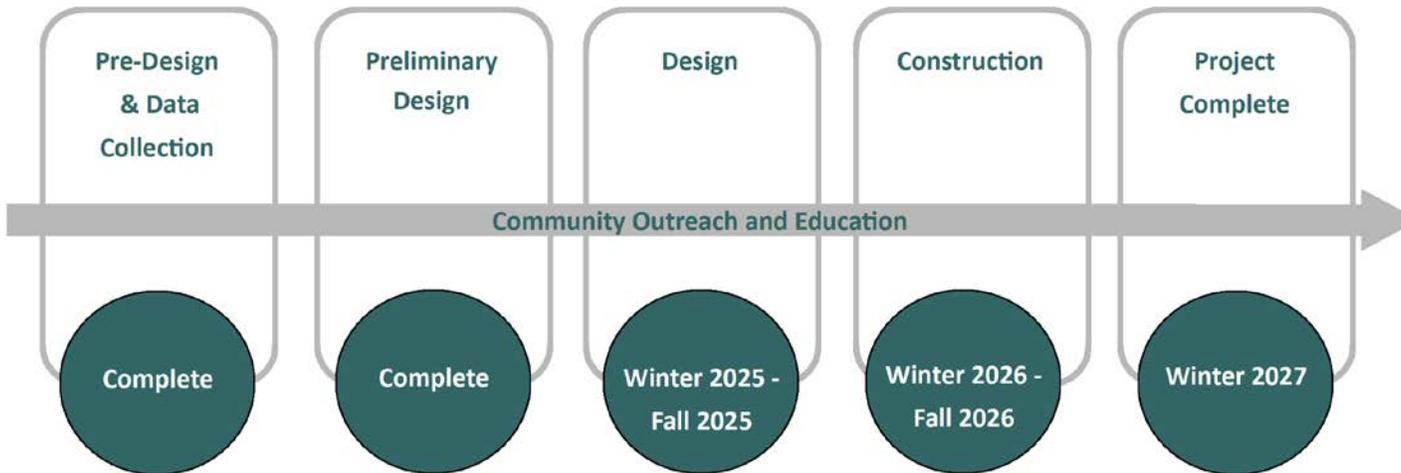
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Tracts I, L, M, N, O, P,



# SCHEDULE AND NEXT STEPS

## Preliminary Project Schedule



Preliminary, Subject to Change

### Next Steps:

- Easement acquisition process per ORS Chapter 35: Appraisals, offers, negotiations
- Final design
- Public Bid and Bid Award

# BRENCHLEY ESTATES FAQs

- What will it look like when finished?



# BRENCHLEY ESTATES FAQs



**GENERAL NOTES**

- REFER TO SHEETS L-1004 AND L-1005 FOR ARBORISTS TREE INVENTORY TABLE AND TREATMENTS.
- REFER TO SHEET L-1006 FOR TREE PROTECTION AND REMOVAL NOTES.
- TREE SHOWN ON PLANS MAY NOT MATCH THE DATA GIVEN IN THE ARBORISTS TREE INVENTORY TABLE.
- TREES SHALL ONLY BE REMOVED WITHIN THE BOUNDS OF THE STATUTORY BIRD ACT - SEPTEMBER 1 TO MARCH 1.

**LEGEND**

- EXISTING TREES TO REMAIN (Symbol: Sunburst)
- REMOVE EXISTING TREES (Symbol: Sunburst with X)
- TREE DRIPLINE (Symbol: Circle)
- CHAIN LINK TREE PROTECTION FENCING, REFER TO DETAIL TD-130 ON SHEET L-1009
- LIMITS OF CONSTRUCTION DISTURBANCE, SEE CIVIL DRAWINGS (Symbol: Dashed line)
- LIMITS OF GRADING, SEE CIVIL DRAWINGS (Symbol: Solid line)
- EASEMENT (Symbol: Dashed line)
- TEMPORARY CONSTRUCTION EASEMENT (Symbol: Dotted line)

- What trees will be removed?

1884	913	ROW	red oak	7	11	G		Remove
1886		ROW	red oak	8	13	G		Retain
1888		ROW	red oak	10	13	G		Retain
1890		ROW	red oak	12	18	G		Unaffected
1892	914	Brenchley Estates	lodgepole pine	18	22	F	Assessment limited by dense blackberries	Remove
1943		ROW	scarlet oak	8	15	G		Unaffected
2176	915	Brenchley Estates	bigleaf maple	23	32	F	Some ivy	Reassess

2178	916	Brenchley Estates	bigleaf maple	16,21	24	F	Ivy up trunk, hollow with column of decay in lower trunk north face	Reassess
2180	917	Brenchley Estates	Douglas-fir	32	25	G	Ivy up trunk	Reassess
2182	918	Brenchley Estates	Douglas-fir	33	18	G	Ivy up trunk	Reassess
2184	919	Brenchley Estates	bigleaf maple	17	22	G	Ivy up trunk	Reassess
2186	920	Brenchley Estates	black cottonwood	40	22	F	History of branch failure, small dead branches	Remove

**SCHEDULE A: ASH MEADOWS**

ASH MEADOWS LANE TREE PROTECTION AND REMOVAL PLAN  
SCALE: 1"=20'

REV.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	APPROVED BY
1		80% SUBMITTAL NOT FOR CONSTRUCTION	C. HENNEY	P. GANTON	

THIS DRAWING IS NOT VALID FOR CONSTRUCTION UNLESS IT BEARS THE SEAL OF A QUALIFIED PROFESSIONAL ENGINEER.

THIS BOX RESERVED FOR DIGITAL SIGNATURE(S)

**Brown and Caldwell**

**GREEN WORKS**

**WILSONVILLE OREGON**

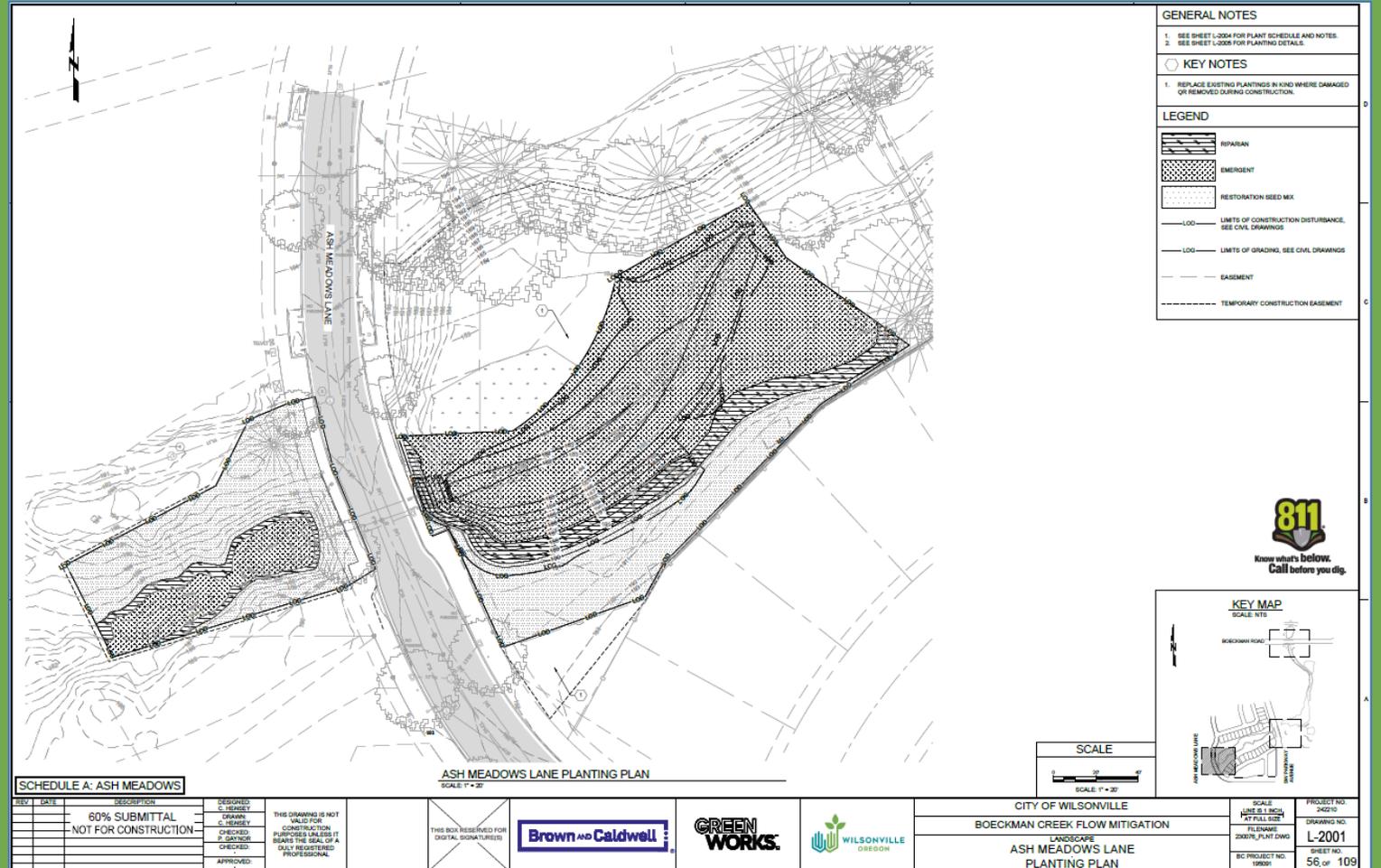
BOECKMAN CREEK FLOW MITIGATION  
LANDSCAPE  
ASH MEADOWS LANE  
TREE PROTECTION AND REMOVAL PLAN

AT FULL SIZE  
FILENAME  
200701\_TREE.DWG  
BC PROJECT NO.  
19001

DRAWING NO.  
L-1001  
SHEET NO.  
50 of 105

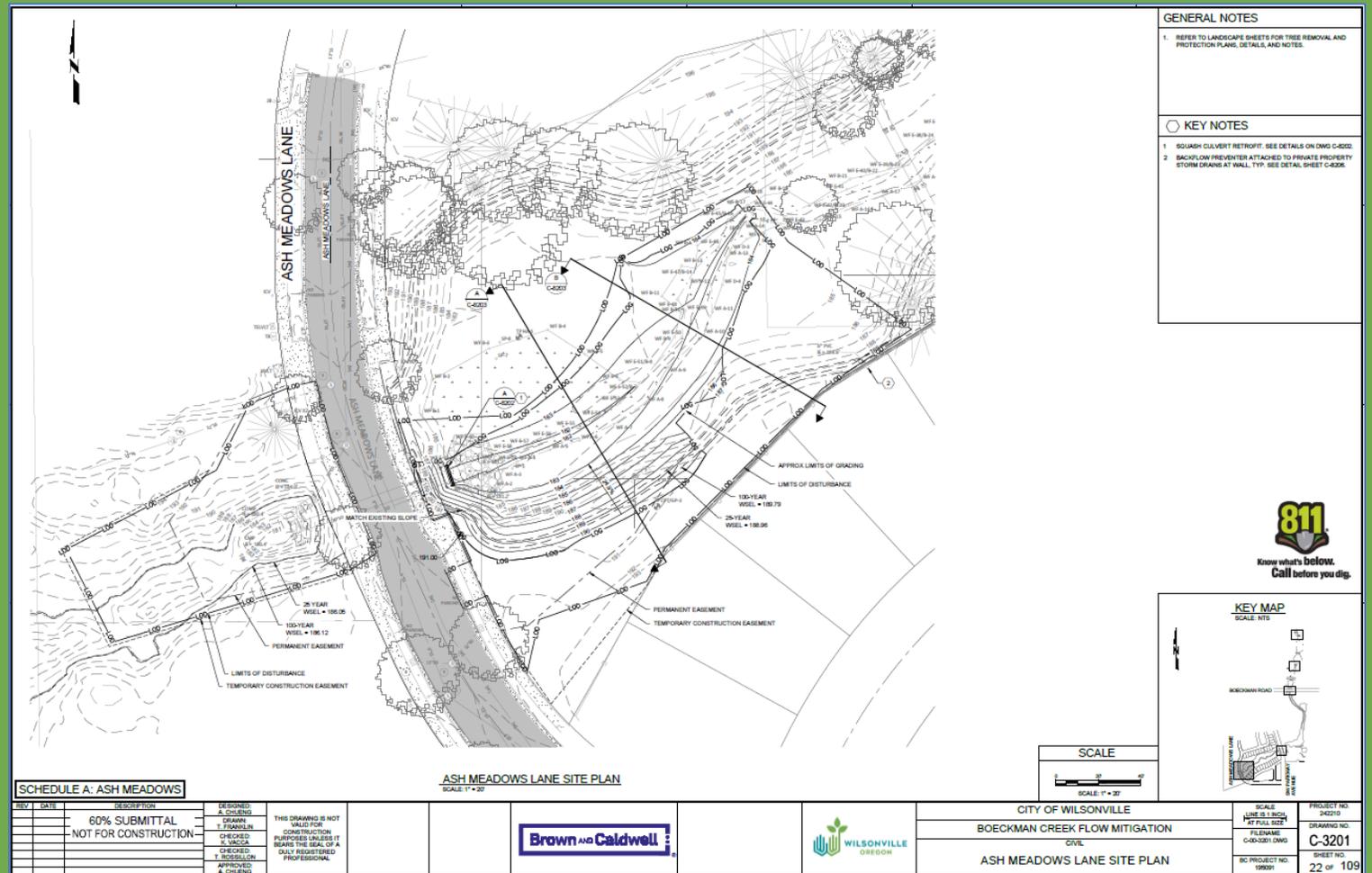
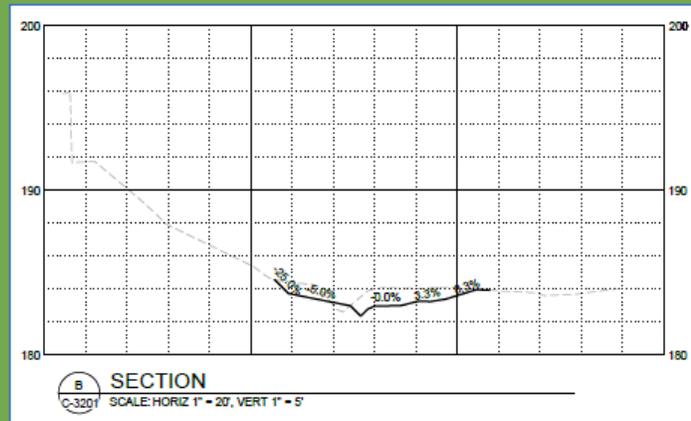
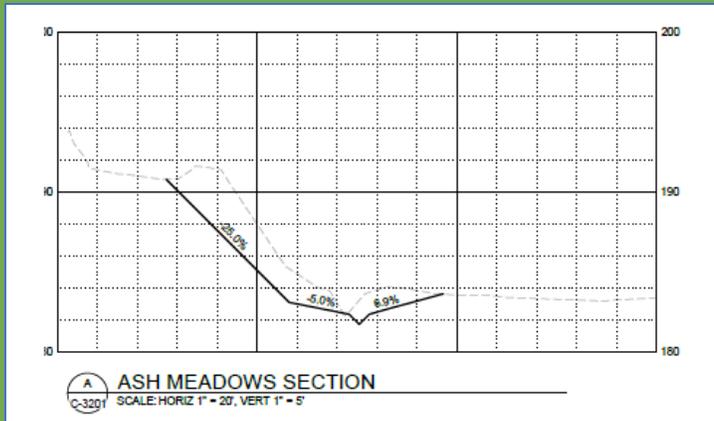
# BRENCHLEY ESTATES FAQs

- Planting Plan



# BRENCHLEY ESTATES FAQs

How much cut will there be?



# MARCH 31, 2025 PUBLIC MEETING

Thank you

Questions/ Discussion