



City of Austin

Council Meeting Backup: January 30, 2025

File ID: 25-0032

City of Austin PARD Easements IH-35 CapEx Central – AW Relocations

City of Austin

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November 25, 2024

- Overall Project Summary
- Waterline (WL) Easements North and South of Lady Bird Lake
- Wastewater Line (WWL) Easement North of Lady Bird Lake
- Summary of Requested Easements

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- The objective of this project is to ensure Austin Water customers have a reliable water system that is both accessible and maintainable in the future as part of the overall IH-35 Capital Express Central improvements.
- Proposed Water and Wastewater within PARD Easements
 - 245 LF of 24" WL along East Avenue east of IH-35
 - 335 LF of 24" WL along East Avenue west of IH-35
 - 375 LF of 24" WL with the Norwood Dog Park
 - 245 LF of 48" WWL with parkland to the north of Nash Hernandez

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- There is not an existing waterline crossing of LBL along IH-35
- The TxDOT LBL project is providing AW the opportunity to install a 24” WL attached to the proposed west pedestrian bridge to provide better system resiliency. The addition of the 24” lake crossing requires connecting to the existing water line on either side of the bridge.

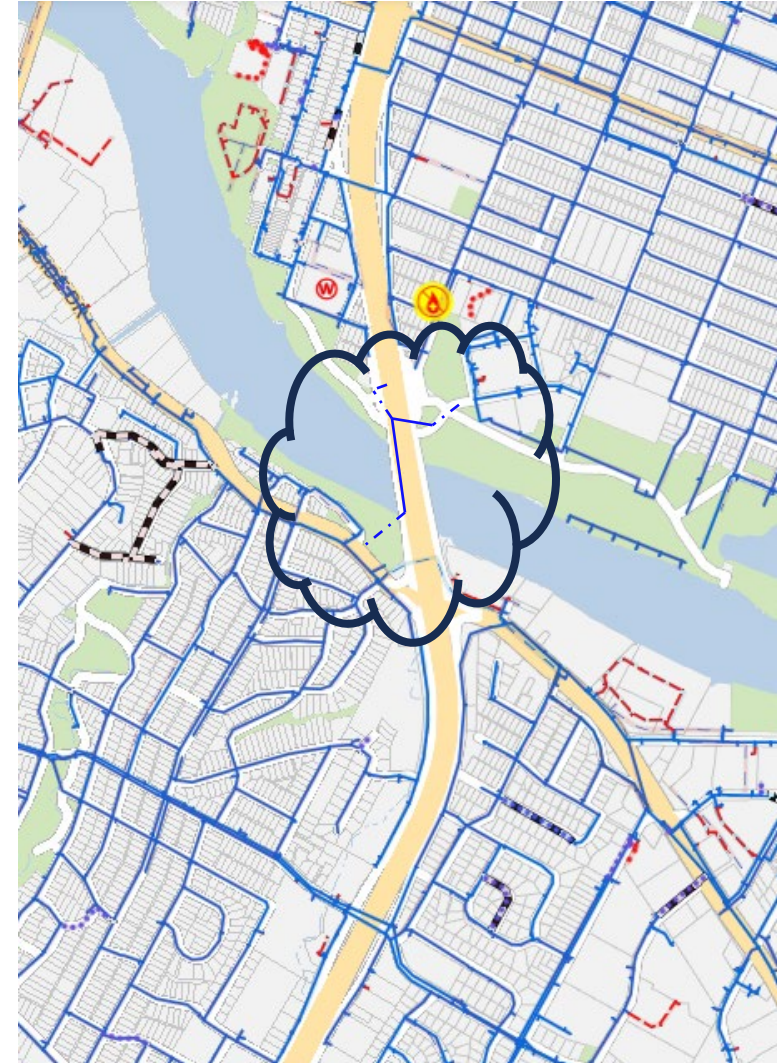
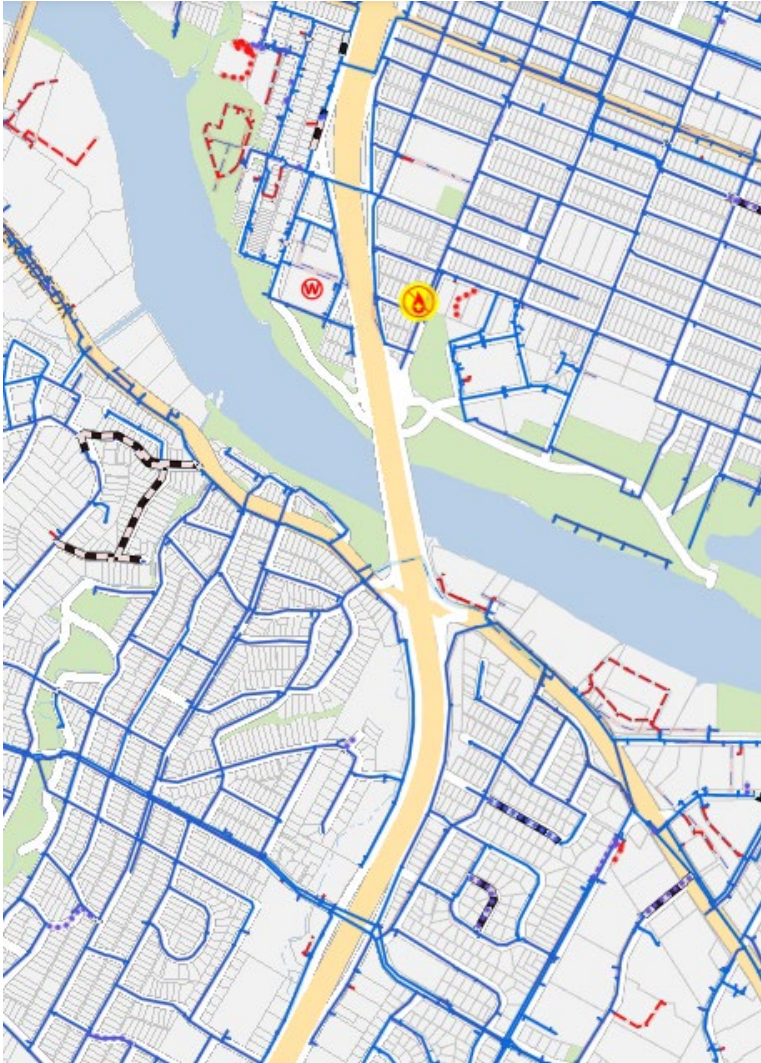
PROPOSED LBL 24" WL CROSSING

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Existing



EXISTING WATER SYSTEM

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- Size limitations
- Does not meet current Utility Criteria Manual standards

24" WL Crossing



PROPOSED IH-35 EXPANSION

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- Existing WL elevation 456
- Proposed main lane elevation = 435



- Construction challenges – particularly adequate workspace
- Expensive construction methodology
- Difficult to access for future maintenance and repairs
- Does not provide connection to 24" WL crossing Lady Bird Lake without extension to East Avenue

WL ALIGNMENT CROSSING ALTERNATIVES SOUTH OF LAMBIE ST

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→ The proposed wastewater tunnel crossing will follow this alignment and will not allow for a 24" WL

→ Construction challenges and highway closures

- Difficult to access for future maintenance and repairs
- Does not provide connection to 24" WL crossing Lady Bird Lake without extension to East Avenue

→ The existing utilities in Waller Street would not allow for a bore or receiving pit

→ Easements from PARD would be required on both sides of IH-35 to achieve this crossing

WL ALIGNMENT OPTION – EAST AVENUE CROSSING (PROPOSED ALIGNMENT)

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→ Location at East Ave

- Avoids critical root zones of existing trees – small length of boring proposed under one tree
- Allows for installation of 22' x 14' water access vault for tie-in to WL from the pedestrian bridge – to be installed in grass to ensure safety and protection of workers

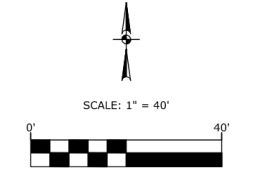
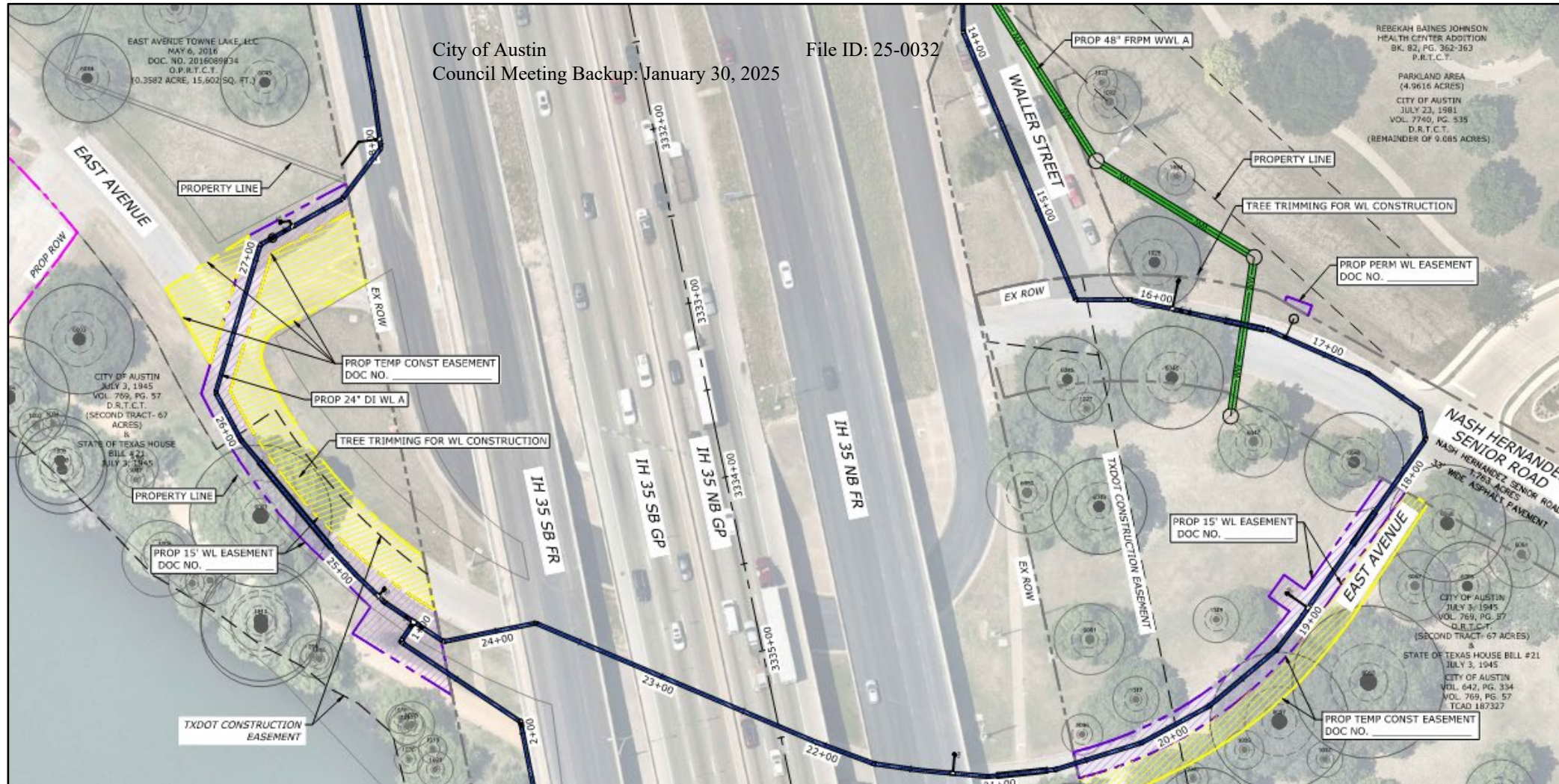
→ Replaces existing 6" to 8" WLs along IH-35 frontage to 24" WL

- Better looping and customer reliability
- Provides multiple fire hydrants within PARD easements on both sides of IH-35

PROPOSED 15' WL EASEMENTS AND TEMP CONST EASEMENTS

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- LEGEND**
- PROP WL EASEMENT (COA)
 - PROP WL CONSTRUCTION EASEMENT (COA)
 - PROPERTY LINE
 - PROP ROW (TXDOT)
 - EX ROW (TXDOT)
 - CONSTRUCTION EASEMENT (TXDOT)

PROPOSED WL ALIGNMENT



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- Boring tree from approximate WL STA 25+00 to 26+00 on the west side of IH-35. No other tree CRZ's are impacted on the west side of IH-35.
- Open cut construction limited to outside tree 1/2 CRZ's within the pavement of East Avenue on the east side of IH-35
- WL depths range from a minimum of approximately 6' deep to a maximum of 20' deep
- Allows access for maintenance/repairs and service stub-outs
- Low impact to natural resources anticipated
 - Alignment is not over the Edwards Aquifer and is not within a presumed endangered species habitat
- Addition of water line will provide source for fire protection
- Location of vault within the parkland is safer for AW crews, outside of the pavement

CHAPTER 26 OF THE PARKS AND WILDLIFE CODE (PWC) DUE DILIGENCE FOR UTILITY ASSIGNMENT



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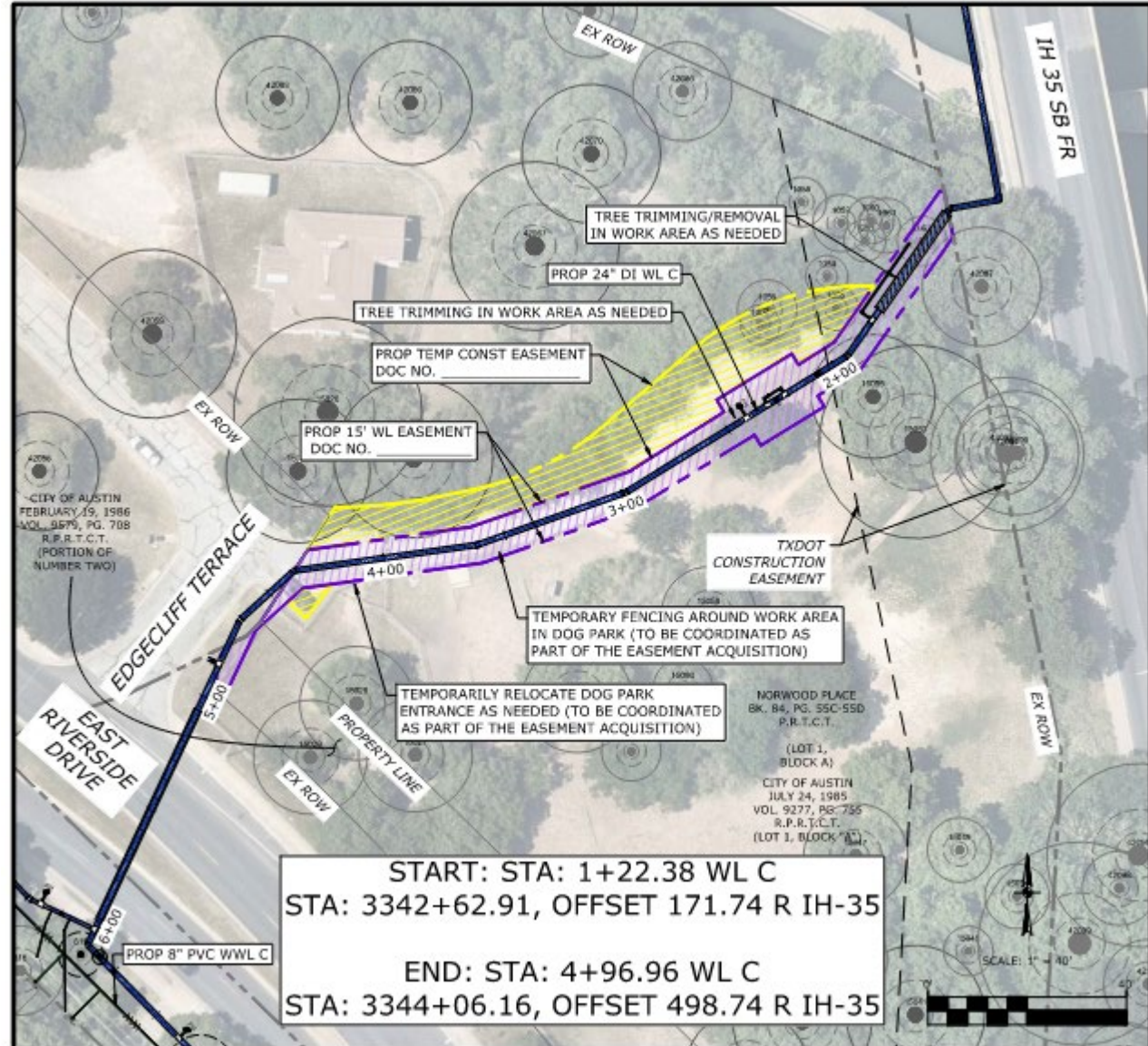
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PROPOSED WL EASEMENT SOUTH OF LBL

SCALE: 1" = 40'

LEGEND

- PROP WL EASEMENT (COA)
- PROP WL CONSTRUCTION EASEMENT (COA)
- PROPERTY LINE
- PROP ROW (TXDOT)
- EX ROW (TXDOT)
- CONSTRUCTION EASEMENT (TXDOT)



PROPOSED LBL WL CROSSING AND TIE-IN



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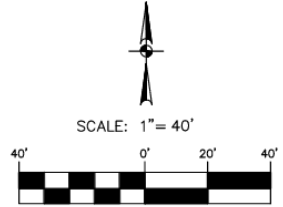
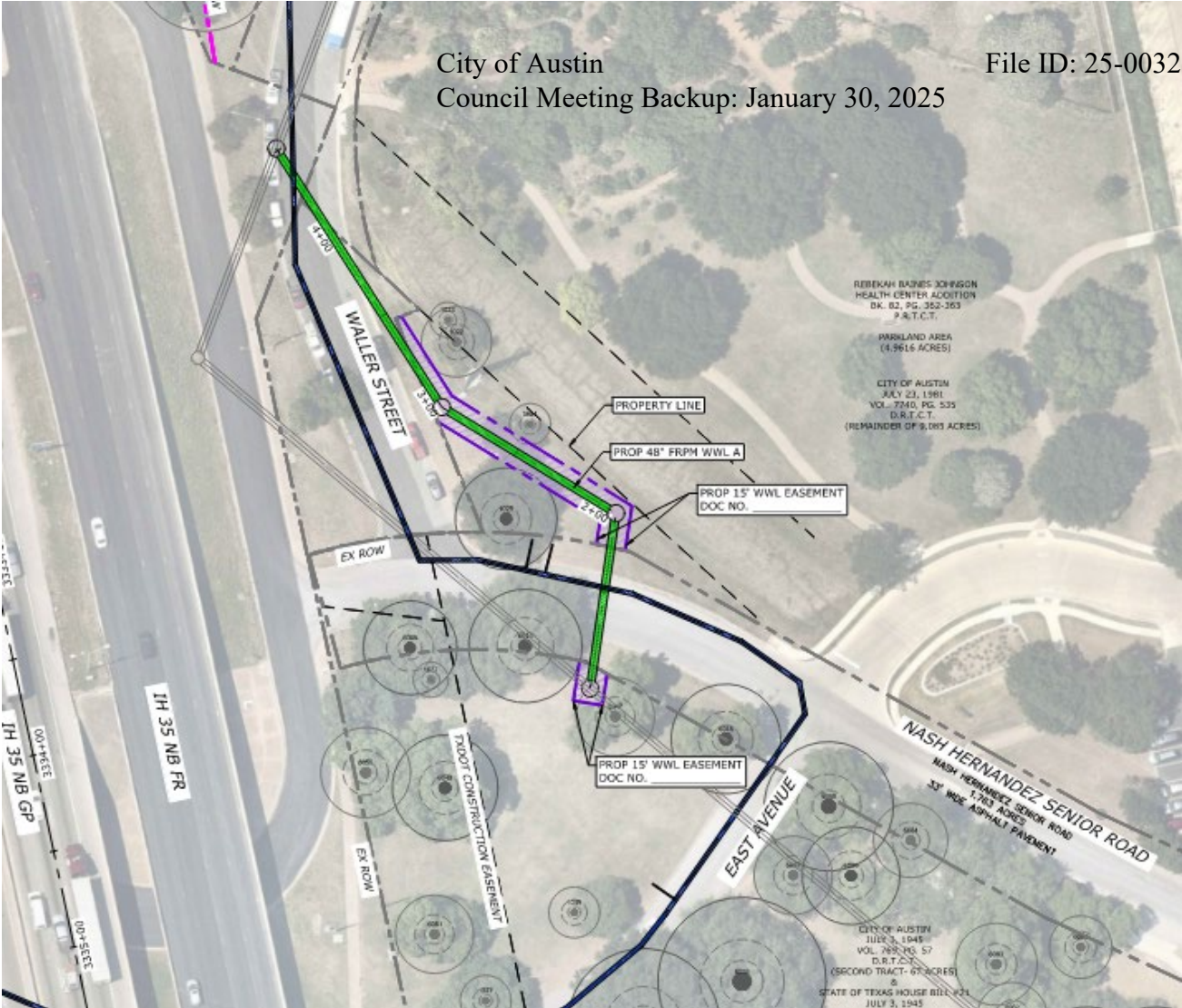
- Tree removal is one non-protected tree (10" Cedar Elm)
- Open cut construction does not go through ½ CRZ of protected trees
- Selected alignment is within the existing parkland and pavement of the Norwood Dog Park
- Previous 10.25" Hackberry tree was removed by PARD due to freeze damage
- Low impact to natural resources anticipated
 - Alignment is not over the Edwards Aquifer and is not within a presumed endangered species habitat

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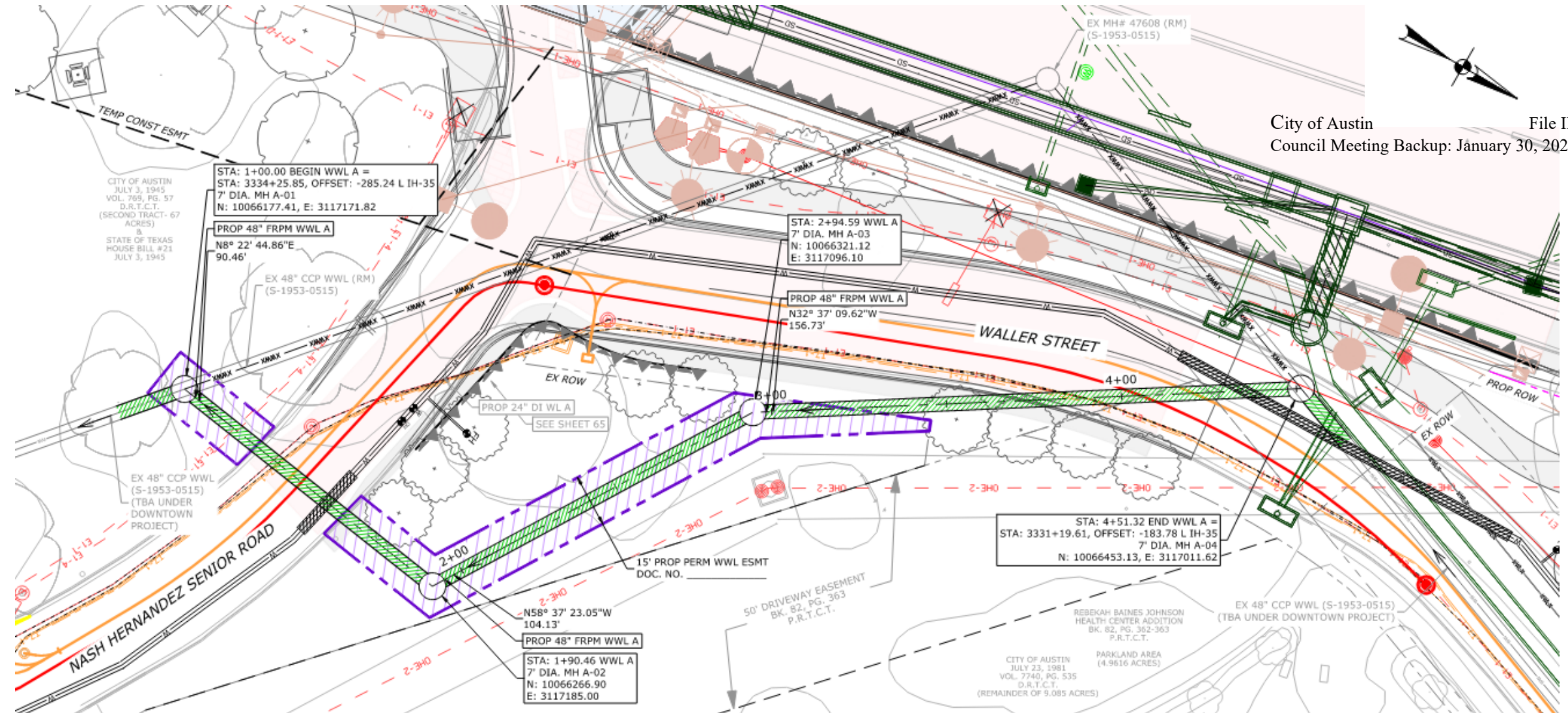
PROPOSED WWL EASEMENT NORTH OF LBL



LEGEND

	PROP WWL EASEMENT (COA)
	PROP WWL CONSTRUCTION EASEMENT (COA)
	PROPERTY LINE
	PROP ROW (TXDOT)
	EX ROW (TXDOT)
	CONSTRUCTION EASEMENT (TXDOT)

EXISTING WASTEWATER SYSTEM AND ONLY ALTERNATIVE



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EXISTING WASTEWATER SYSTEM AND ONLY ALTERNATIVE



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- Tree removal is only of non-protected trees to maintain existing 26" Live Oak tree
- Open cut construction does not go through CRZ of protected trees
- Low impact to natural resources anticipated
 - Alignment is not over the Edwards Aquifer and is not within a presumed endangered species habitat

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SUMMARY OF REQUESTED EASEMENTS

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THANK YOU

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