

September 30, 2024

Jim Burton  
City Administrator - City of Woodcreek  
41 Champions Circle  
Woodcreek, Texas 78676

**RE: Champions Court Turnaround**

Dear Mr. Burton:

The City of Woodcreek requested Freeland Turk to assess the emergency vehicle access conditions on Champions Court and determine the feasibility of improving access by constructing a suitable turnaround.

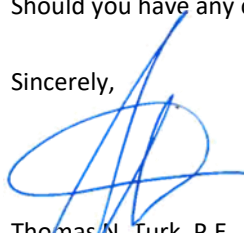
**Existing Conditions** - Champion Court is a 225' long cul-de-sac (approximately 23' wide) intersecting Champions Circle in Woodcreek, Texas. The shape of the cul-de-sac is non-standard and does not follow the circular shape of the 100' diameter right-of-way. Numerous trees exist within the right-of-way, including one inside the paved street. The existing cul-de-sac does not provide an adequate turning area for emergency vehicles and is considered sub-standard.

**Circular Turnaround Approach** - A sufficient right-of-way exists to construct a standard cul-de-sac providing sufficient access for emergency services vehicles. However, constructing an 80-foot-diameter cul-de-sac will require removing several trees, which would have an undesirable environmental impact on the area. Since there is another available option, we do not recommend this approach.

**Hammerhead Turnaround Approach** - Sufficient right-of-way exists to construct a "hammerhead" style turnaround. This alternative approach will provide emergency service vehicles with adequate access and space to turn. The improvements needed include pavement widening, as shown on the attached exhibit. The location of the pavement widening was selected to minimize the impact on existing trees. We recommend the existing tree located in the pavement be removed to improve safety and facilitate turnaround movements. We recommend paving the turnaround area with Hot Mix Asphalt Concrete.

Should you have any comments or questions regarding the contents of this letter, please feel free to contact me.

Sincerely,



Thomas N. Turk, P.E.  
Principal

Attachment: Hammerhead Style Turnaround Exhibit

Date: 5/9/2024, 1:36pm User ID: shepp  
 File: Z:\ENG - PRD\154 - City of Woodcreek\100 - TO 1 - GIS\13 - Champions Court Turnaround\Exhibit\154-100-TURNRD-EXHIBT.dwg



LEGEND:

- (P)PAVEMENT
- (E)PAVEMENT
- (E)TREE

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CITY OF WOODCREEK  
 CHAMPIONS COURT TURNAROUND  
 PROPOSED HAMMERHEAD STYLE TURNAROUND

JOB:	154-100
DATE:	2024/09/03
DRAWN: TN	PM: MN
DESIGN:	DM:
PEER:	OTHER:

REVISIONS:	
DELTA	DESCRIPTION