Drainage District:

#14

Investigation/Repair Summary:

- Per District Trustees' request at hearing, CCTV inspection of the Main tile was conducted for approximately 1900'. Downstream limit was the south side of County Highway D41 (existing access point) at approximately ¼ mile west of intersection of County Highways D41 and S27. Upstream limit was east side of County Highway S27 approximately ¼ mile north of intersection of County Highways D41 and S27. See attached map for exact locations and attached CCTV reports for defects found.
- Access points where 14" VCP was cut (along with 8" tile) were repaired with dual wall HDPE with 34 concrete collars at connections with existing VCP tile.

Contractor Time and Materials (spent while CGA was on-site):

See attached tabulation.

Additional Actions Recommended:

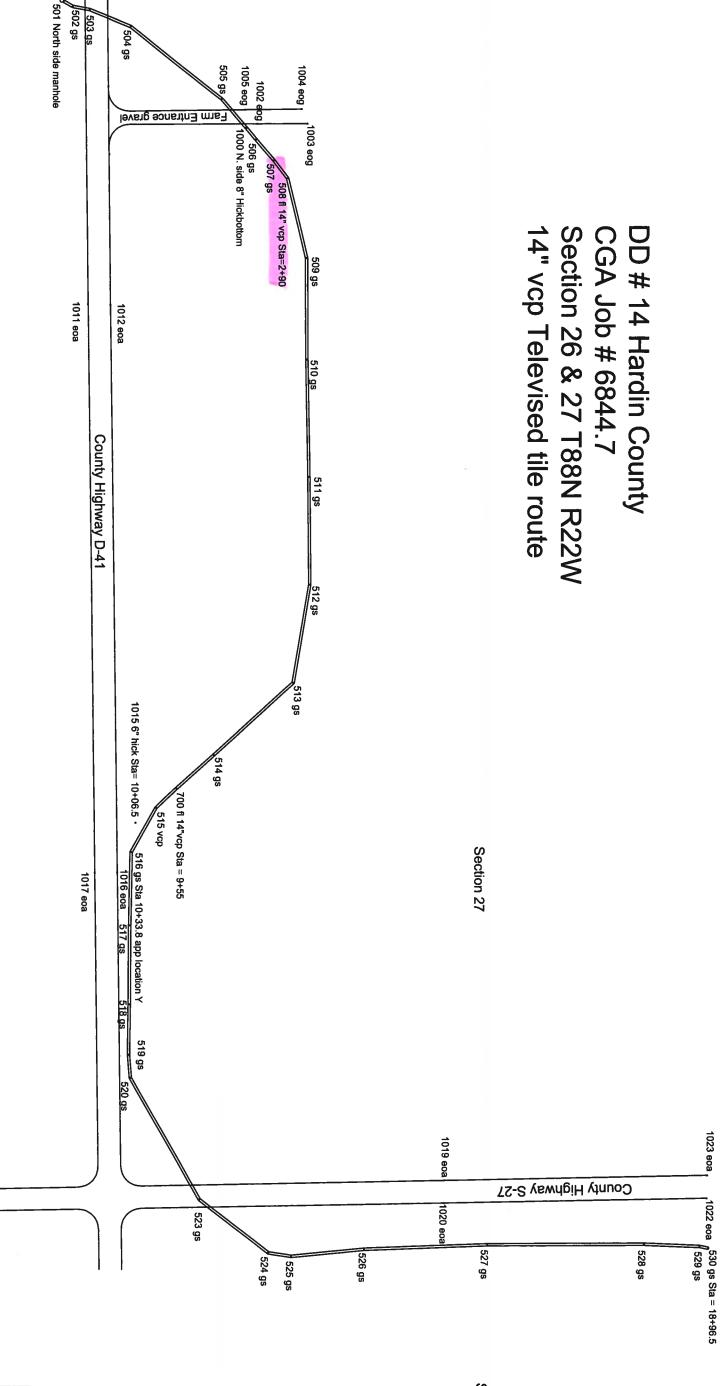
Although the CCTV has revealed that the existing VCP is cracked and there is evidence of previous spot repairs, the majority of the VCP appears stable and round (see attached CCTV reports for list of defects found). Most concerning of the defects would be the spot repair that was performed with single wall HDPE that is now deformed and has a protruding tap connection at it. This would be followed by the rusty CMP and the multiple longitudinal fractures in VCP. It is our recommendation that at least the deformed single wall HDPE and protruding tap connection be repaired and the timing/necessity of repair of the remaining defects prioritized by the District Trustees.



Total

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Polyline GPS Point Range		501-508	508-700	700-530
Approximate Pipe Size		14" VCP	14"VCP	14" VCP
Total Length Televised		0+00-5+90	2+90-9+55	9+55-18+96
Date:		4/18/2022	4/18/2022	4/18/2022
CCTV Survey Number		118	119	120
Ton I carifulding [46]	105 5	42.5	1240	Ċ
TOP LOTBILLIANT CLACK (TL)	102.2	47.3	134.8	7.8
Multiple Longitudinal cracks (ft)	5.1		5.1	
O/S Joints soils visible (#)	e e		1	2
Intruding Tap with deformed SW HDPF (#)	-			
Rusty CMP, (ft)	62	62		
	Ĭ			
Multiple Longitudinal Fractures in Pipe (ft)	18.8	18.8		
Camera Underwater (ft)	119.1	100.4		18.7
Ton and Rottom one itself reach (#)	2.0		00	
(1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	25		6.0	
Offset joints (#)	5	8	1	1
Possible Hole in Pipe(#)	1		1	
Single Wall or Dual Wall HDPE (ft.)	12.1	2	4.3	2.8
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