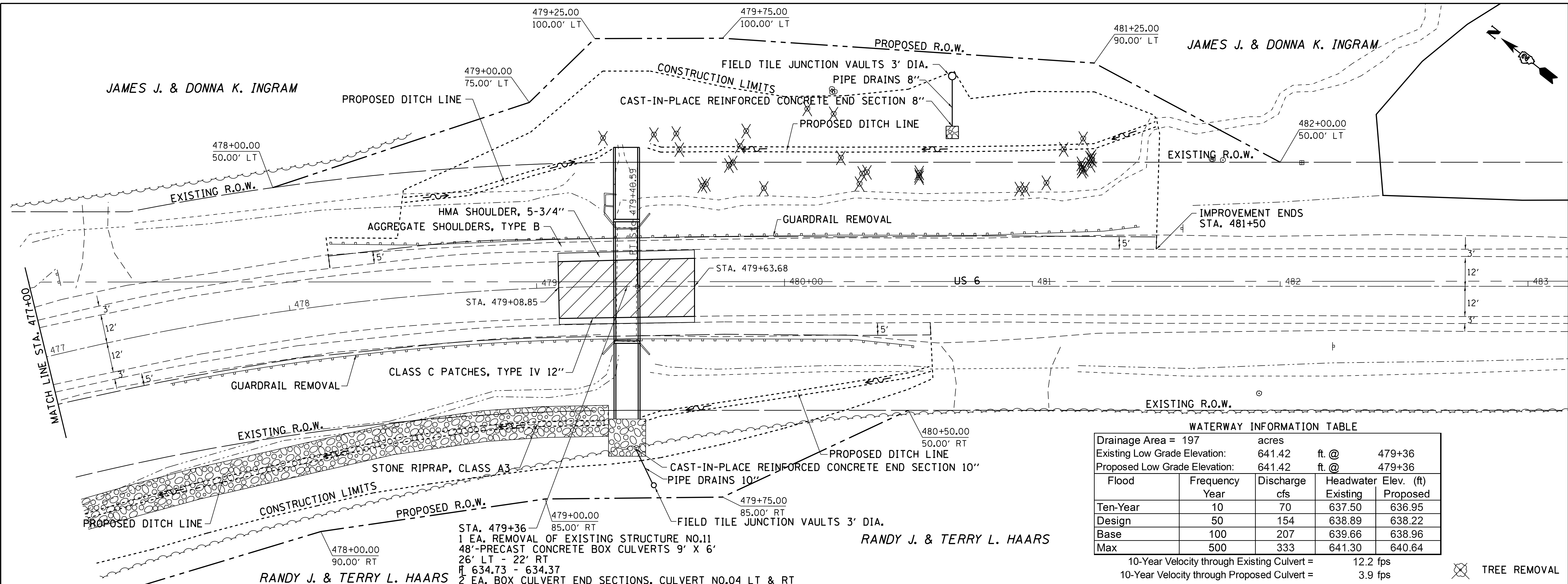


PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
NOTE BOOK NO.	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
NOTE BOOK NO.	NOTATIONS CHK'D	



**WATERWAY INFORMATION TABLE**

Drainage Area = 197 acres

Existing Low Grade Elevation: 641.42 ft. @ 479+36

Proposed Low Grade Elevation: 641.42 ft. @ 479+36

Flood Year	Frequency	Discharge cfs	Headwater Existing	Headwater Proposed	Elev. (ft)
Ten-Year	10	70	637.50	636.95	
Design	50	154	638.89	638.22	
Base	100	207	639.66	638.96	
Max	500	333	641.30	640.64	

10-Year Velocity through Existing Culvert = 12.2 fps

10-Year Velocity through Proposed Culvert = 3.9 fps

TREE REMOVAL

**RANDY J. & TERRY L. HAARS**

STA. 479+36  
 1 EA. REMOVAL OF EXISTING STRUCTURE NO.11  
 48'-PRECAST CONCRETE BOX CULVERTS 9' X 6'  
 26' LT - 22' RT  
 ± 634.73 - 634.37  
 2 EA. BOX CULVERT END SECTIONS, CULVERT NO.04 LT & RT

