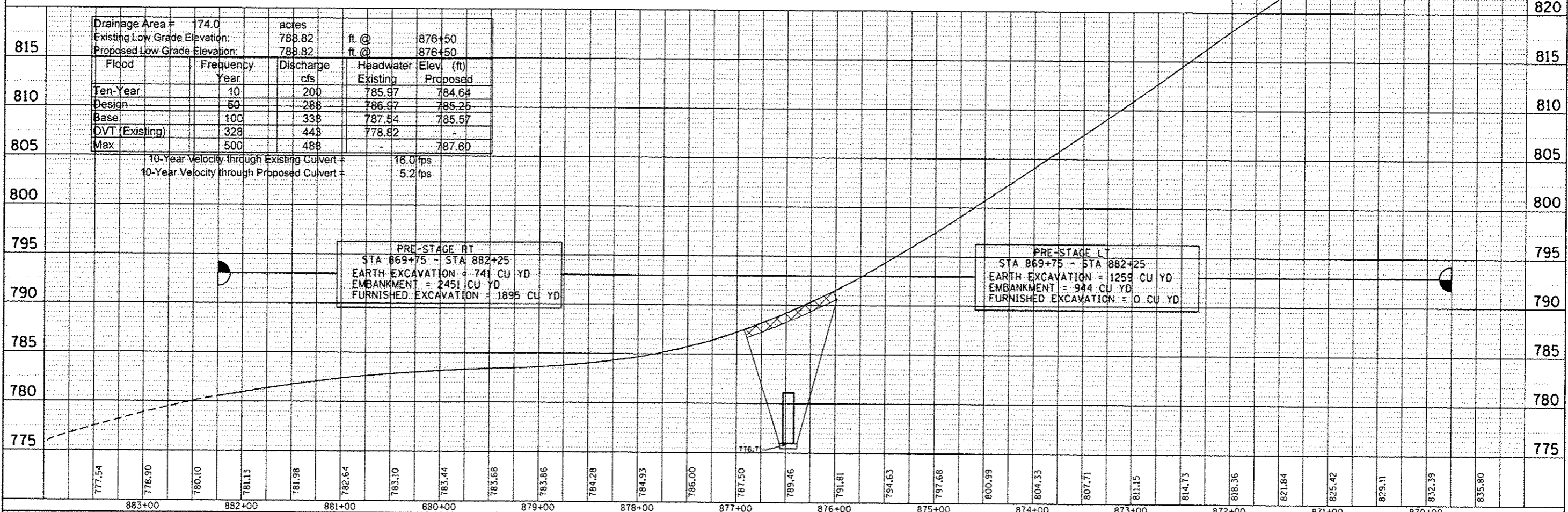
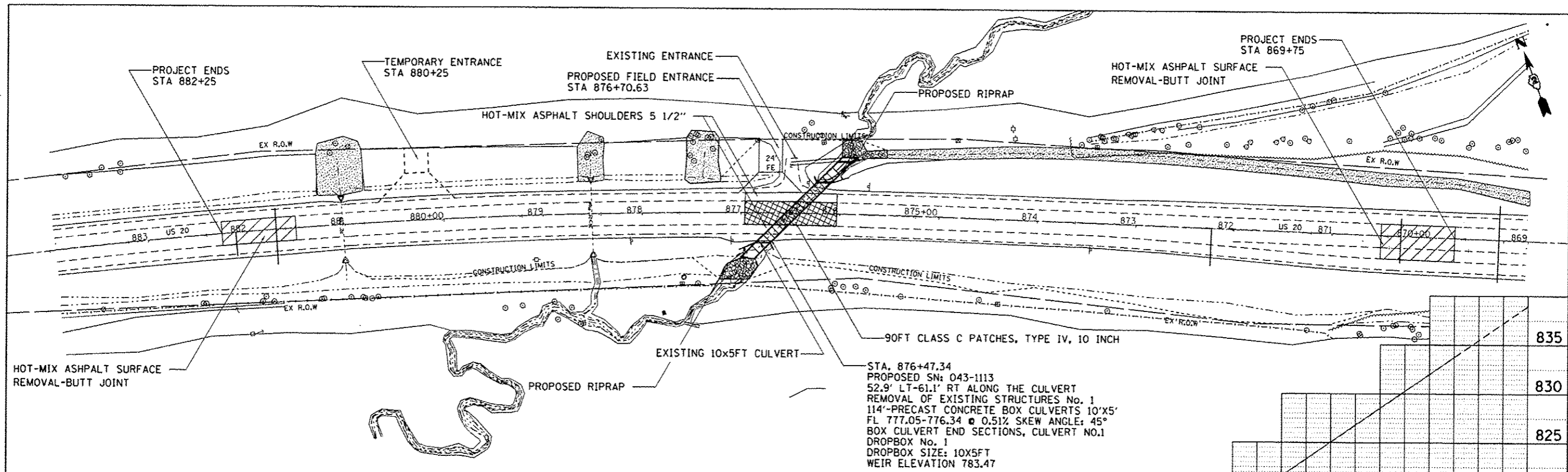


PLAN  
 DATE  
 BY  
 CHECKED  
 ALTERNATE CHECKED  
 NO. OF WAY CHECKED  
 NO.  
 FILE NAME

PROFILE  
 DATE  
 BY  
 CHECKED  
 GRANES CHECKED  
 STA. ADDED  
 NO.  
 PROFILE ADJUSTMENTS CTD



Drainage Area =	74.0	acres	
Existing Low Grade Elevation:	788.82	ft. @ 876+50	
Proposed Low Grade Elevation:	788.82	ft. @ 876+50	
Flood Year	Frequency	Discharge	Headwater Elev. (ft)
Ten-Year	10	200	785.97
Design	50	288	786.97
Base	100	338	787.54
DVT (Existing)	328	448	778.82
Max	500	488	787.60

10-Year Velocity through Existing Culvert = 16.0 fps  
 10-Year Velocity through Proposed Culvert = 5.2 fps

PRE-STAGE RT  
 STA 869+75 - STA 882+25  
 EARTH EXCAVATION = 741 CU YD  
 EMBANKMENT = 2451 CU YD  
 FURNISHED EXCAVATION = 1895 CU YD

PRE-STAGE LT  
 STA 869+75 - STA 882+25  
 EARTH EXCAVATION = 1259 CU YD  
 EMBANKMENT = 944 CU YD  
 FURNISHED EXCAVATION = 0 CU YD

STA. 876+47.34  
 PROPOSED SN: 043-1113  
 52.9' LT-61.1' RT ALONG THE CULVERT  
 REMOVAL OF EXISTING STRUCTURES No. 1  
 114'-PRECAST CONCRETE BOX CULVERTS 10'X5'  
 FL 777.05-776.34 @ 0.51% SKEW ANGLE: 45°  
 BOX CULVERT END SECTIONS, CULVERT NO.1  
 DROPBOX No. 1  
 DROPBOX SIZE: 10X5FT  
 WEIR ELEVATION 783.47