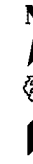


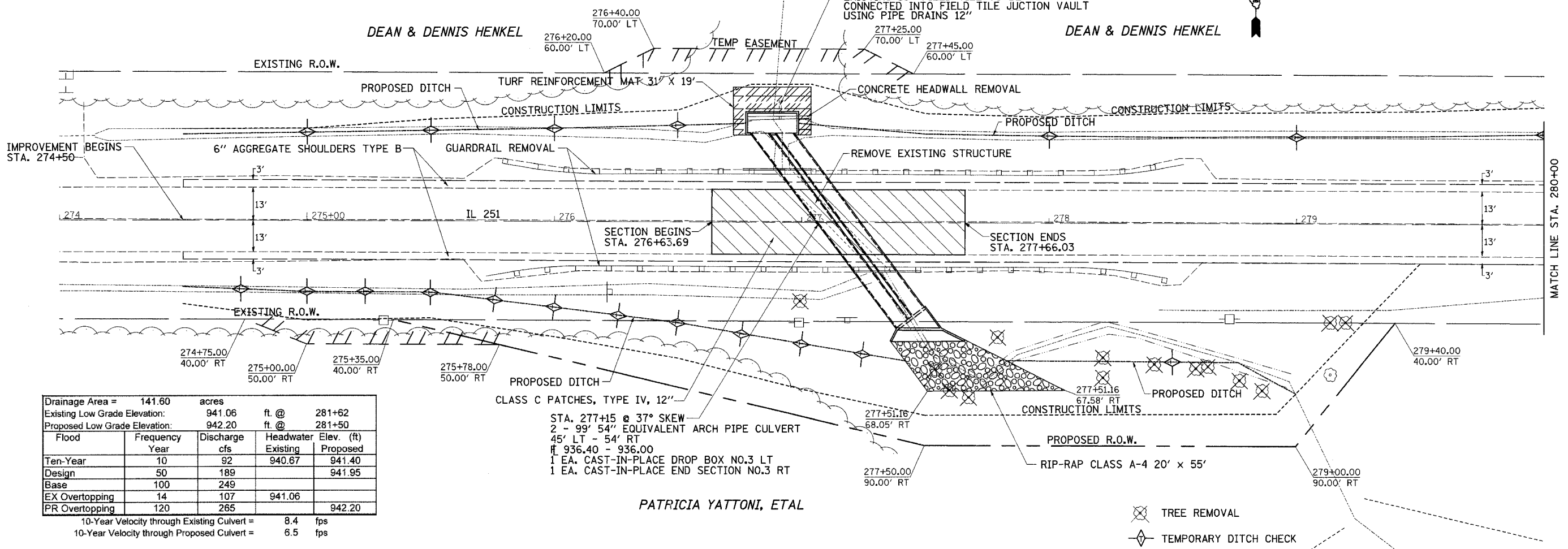
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1177	(110,111)T	LEE	59	16
STA. 1177		TO STA. 1178		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

STA. 277+15 DOUBLE 54" EQUIVALENT ARCH PIPE CULVERT



DEAN & DENNIS HENKEL

DEAN & DENNIS HENKEL



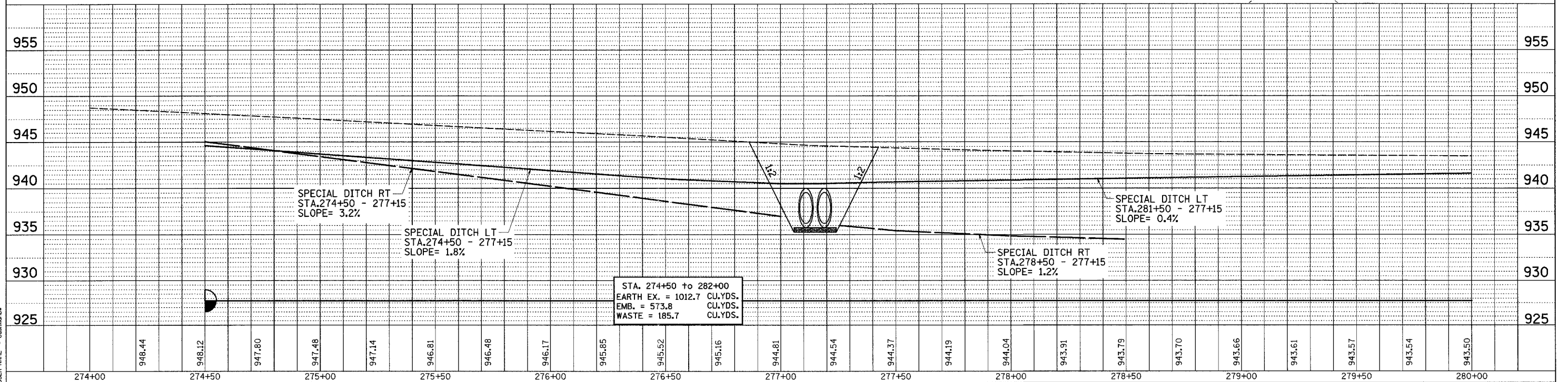
Drainage Area =		141.60	acres		
Existing Low Grade Elevation:		941.06	ft. @	281+62	
Proposed Low Grade Elevation:		942.20	ft. @	281+50	
Flood Year	Frequency	Discharge cfs	Headwater Existing	Headwater Proposed	Elev. (ft)
Ten-Year	10	92	940.67	941.40	
Design	50	189		941.95	
Base	100	249			
EX Overtopping	14	107	941.06		
PR Overtopping	120	265		942.20	

10-Year Velocity through Existing Culvert = 8.4 fps
 10-Year Velocity through Proposed Culvert = 6.5 fps

STA. 277+15 @ 37° SKEW
 2 - 99' 54" EQUIVALENT ARCH PIPE CULVERT
 45' LT - 54' RT
 # 936.40 - 936.00
 1 EA. CAST-IN-PLACE DROP BOX NO.3 LT
 1 EA. CAST-IN-PLACE END SECTION NO.3 RT

PATRICIA YATTONI, ETAL

- TREE REMOVAL
- TEMPORARY DITCH CHECK



STA. 274+50 to 282+00
 EARTH EX. = 1012.7 CU.YDS.
 EMB. = 573.8 CU.YDS.
 WASTE = 185.7 CU.YDS.

SUBMITTED BY: _____ DATE: _____
 CHECKED BY: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 PLOTTED BY: _____
 DATE PLOTTED: _____
 PLOT SCALE: _____
 USER NAME: _____

PROFILE SUBMITTED BY: _____ DATE: _____
 CHECKED BY: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 PLOTTED BY: _____
 DATE PLOTTED: _____
 PLOT SCALE: _____
 USER NAME: _____

PLOT DATE = Tue Feb 26 10:28:55 2008
 PLOT SCALE = 20.0000 / IN.
 USER NAME = cshambs