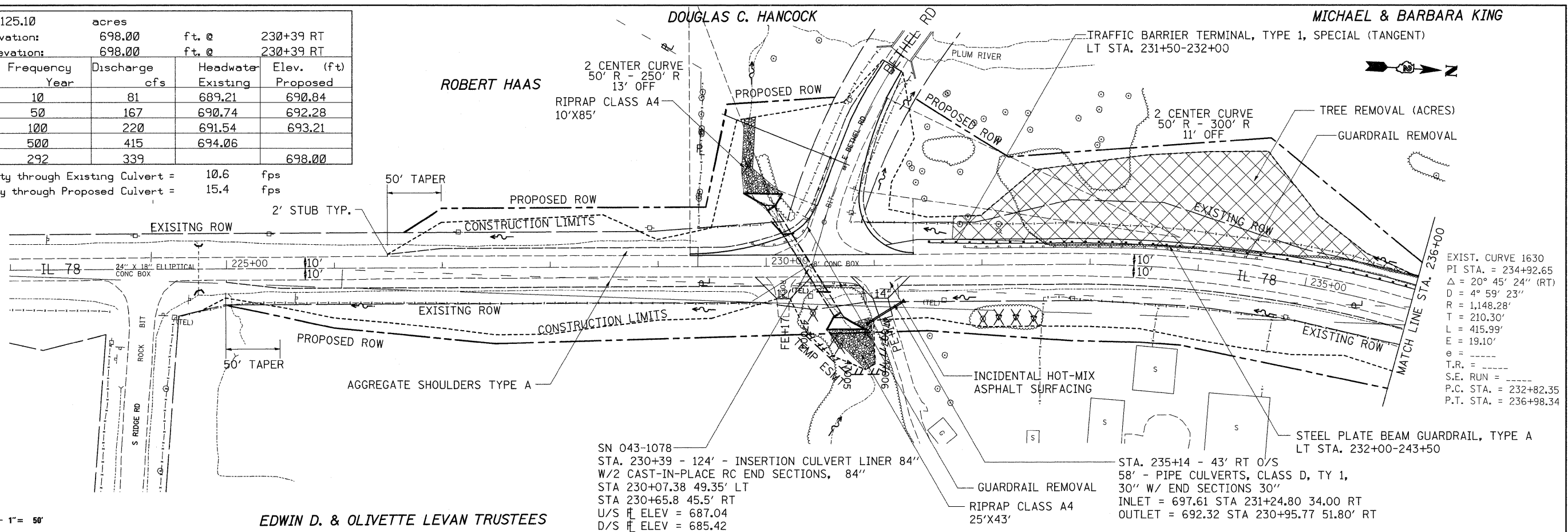


|                               |                |               |                    |                     |  |
|-------------------------------|----------------|---------------|--------------------|---------------------|--|
| Drainage Area =               | 125.10         | acres         |                    |                     |  |
| Existing Low Grade Elevation: | 698.00         | ft. @         | 230+39 RT          |                     |  |
| Proposed Low Grade Elevation: | 698.00         | ft. @         | 230+39 RT          |                     |  |
| Flood                         | Frequency Year | Discharge cfs | Headwater Existing | Elev. (ft) Proposed |  |
| Ten-Year                      | 10             | 81            | 689.21             | 690.84              |  |
| Design                        | 50             | 167           | 690.74             | 692.28              |  |
| Base                          | 100            | 220           | 691.54             | 693.21              |  |
| Max Calc                      | 500            | 415           | 694.06             |                     |  |
| Prop Overtop                  | 292            | 339           |                    | 698.00              |  |

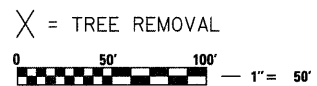
10-Year Velocity through Existing Culvert = 10.6 fps  
 10-Year Velocity through Proposed Culvert = 15.4 fps



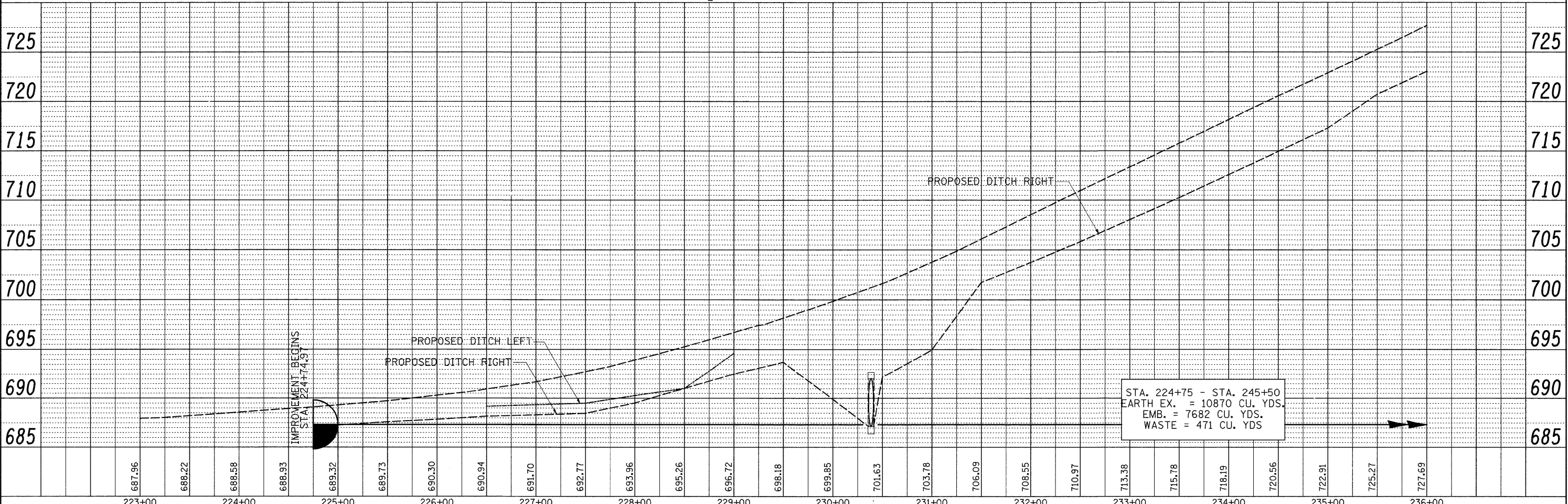
EXIST. CURVE 1630  
 PI STA. = 234+92.65  
 $\Delta = 20^\circ 45' 24''$  (RT)  
 $D = 4^\circ 59' 23''$   
 $R = 1,148.28'$   
 $T = 210.30'$   
 $L = 415.99'$   
 $E = 19.10'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 232+82.35  
 P.T. STA. = 236+98.34

SN 043-1078  
 STA. 230+39 - 124' - INSERTION CULVERT LINER 84"  
 W/2 CAST-IN-PLACE RC END SECTIONS, 84"  
 STA 230+07.38 49.35' LT  
 STA 230+65.8 45.5' RT  
 U/S ELEV = 687.04  
 D/S ELEV = 685.42

STA. 235+14 - 43' RT O/S  
 58' - PIPE CULVERTS, CLASS D, TY 1,  
 30" W/ END SECTIONS 30"  
 INLET = 697.61 STA 231+24.80 34.00 RT  
 OUTLET = 692.32 STA 230+95.77 51.80' RT



EDWIN D. & OLIVETTE LEVAN TRUSTEES



|   |                      |            |           |   |                                 |   |          |           |              |           |  |
|---|----------------------|------------|-----------|---|---------------------------------|---|----------|-----------|--------------|-----------|--|
| FILE NAME =                                       | USER NAME = hensonke | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 78 PLAN &amp; PROFILE</b> | F.A.P. RTE.                                   | SECTION  | COUNTY    | TOTAL SHEETS | SHEET NO. |  |
| ca:\pwwork\p\widot\HENSONKE\dms33697\204707p1.dgn |                      | DRAWN -    | REVISED - |   |                                 | 642   | (10-11)T | JODAVIESS | 283          | 47        |  |
| PLOT SCALE = 50,0000' / IN.                       |                      | CHECKED -  | REVISED - |   |                                 | CONTRACT NO. 64D07                            |          |           |              |           |  |
| PLOT DATE = Tue Sep 30 14:08:18 2008              |                      | DATE -     | REVISED - |   |                                 | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |          |           |              |           |  |

PLAN SURVEYED PLOTTED CHECKED BY DATE  
 NOTE BOOK NO. CAD FILE NAME

PROFILE SURVEYED PLOTTED CHECKED BY DATE  
 NOTE BOOK NO. STRUCTURE NOTATIONS CHRD