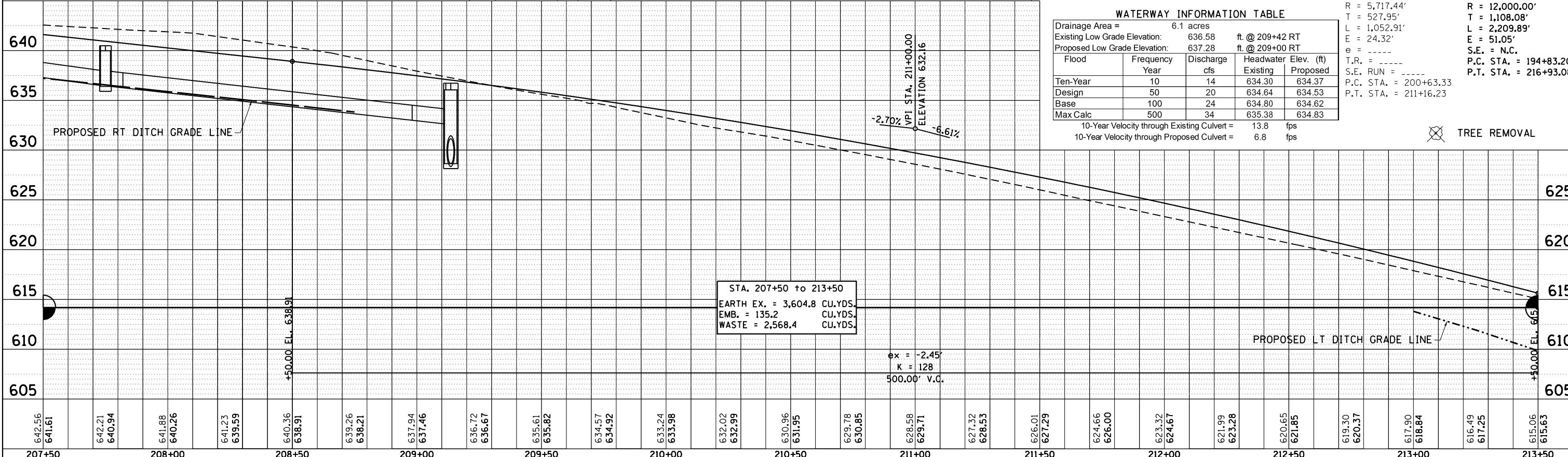
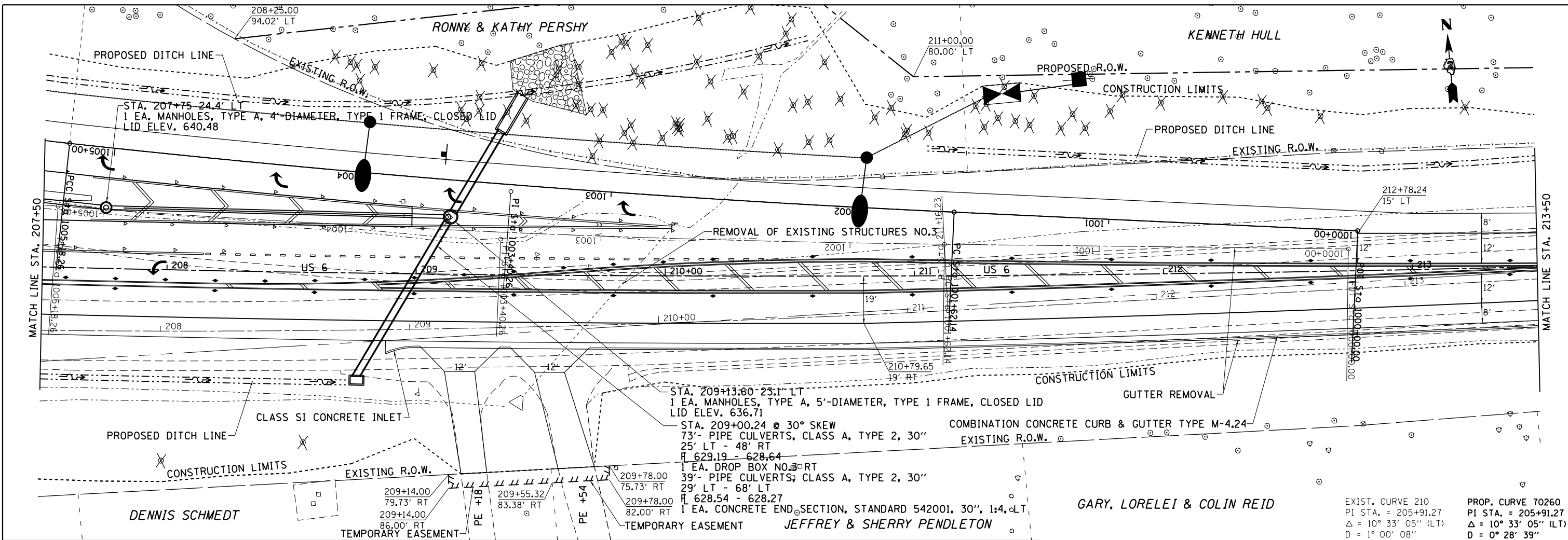


| | | |
|------|----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | FILED | |
| | NO. | |

| | | |
|---------|-----------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES | |
| | CHECKED | |
| | STRUCTURE | |
| | NOTATIONS | |
| | CHKD | |
| | NO. | |



WATERWAY INFORMATION TABLE

Drainage Area = 6.1 acres
 Existing Low Grade Elevation: 636.58 ft. @ 209+42 RT
 Proposed Low Grade Elevation: 637.28 ft. @ 209+00 RT

| Flood Year | Frequency | Discharge cfs | Headwater Elev. (ft) Existing | Proposed |
|------------|-----------|---------------|-------------------------------|----------|
| Ten-Year | 10 | 14 | 634.30 | 634.37 |
| Design | 50 | 20 | 634.64 | 634.53 |
| Base | 100 | 24 | 634.80 | 634.62 |
| Max Calc | 500 | 34 | 635.38 | 634.83 |

10-Year Velocity through Existing Culvert = 13.8 fps
 10-Year Velocity through Proposed Culvert = 6.8 fps

| | |
|--|---|
| EXIST. CURVE 210 PI STA. = 205+91.27 Δ = 10° 33' 05" (LT) D = 1° 00' 08" R = 5,717.44' T = 527.95' L = 1,052.91' E = 24.32' T.R. = ----- S.E. RUN = ----- P.C. STA. = 200+63.33 P.T. STA. = 211+16.23 | PROP. CURVE 70260 PI STA. = 205+91.27 Δ = 10° 33' 05" (LT) D = 0° 28' 39" R = 12,000.00' T = 1,108.08' L = 2,209.89' E = 51.05' S.E. = N.C. P.C. STA. = 194+83.20 P.T. STA. = 216+93.08 |
|--|---|

STA. 207+50 to 213+50
 EARTH EX. = 3,604.8 CU.YDS.
 EMB. = 135.2 CU.YDS.
 WASTE = 2,568.4 CU.YDS.

| | | | |
|-------------|--|------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - |
| Default | c:\pwork\pwork\cushmanbw\d0333009\F201709-sht-pln1.dgn | DRAWN - | REVISED - |
| | PLOT SCALE = 40.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = Fri Aug 01 11:16:46 2014 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 6
 PLAN & PROFILE

| | | | | |
|--------------------|---------|--------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| * | 2R-1 | HENRY | 235 | 37 |
| CONTRACT NO. 64J43 | | | ILLINOIS FED. AID PROJECT | |

SCALE: SHEET OF SHEETS STA. TO STA.