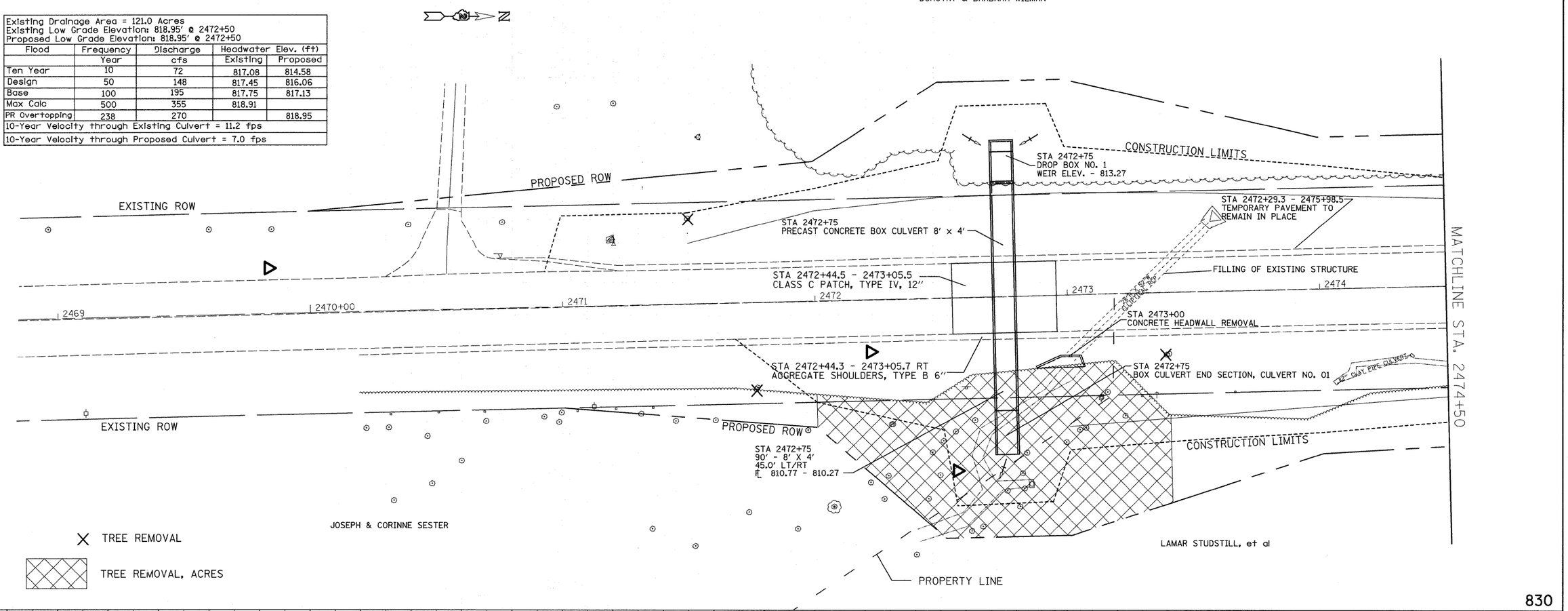
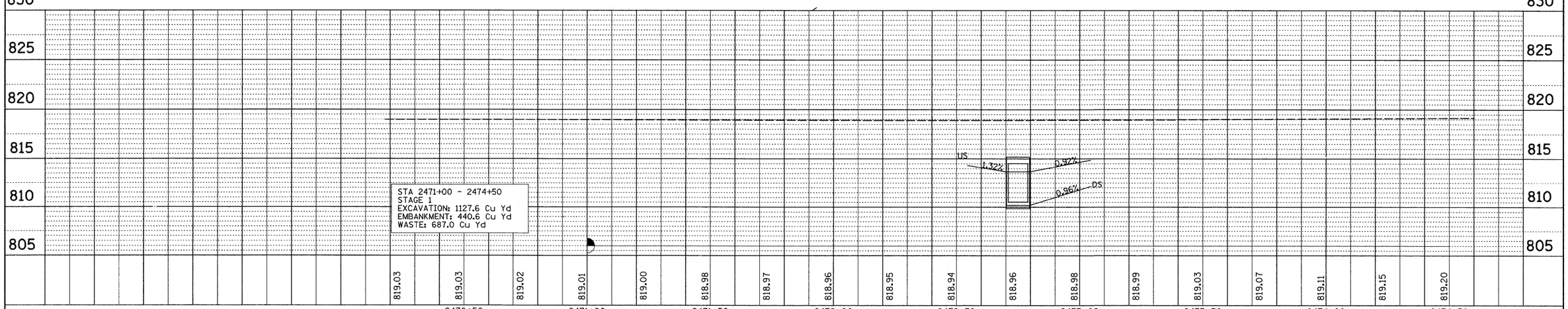
| Existing Drainage Area = 121.0 Acres<br>Existing Low Grade Elevation: 818.95' @ 2472+50<br>Proposed Low Grade Elevation: 818.95' @ 2472+50 | | | | |
|---|---|---|---|---|
| Flood | Frequency | Discharge | Headwater Elev. (ft) | |
| | Year | cfs | Existing | Proposed |
| Ten Year | 10 | 72 | 817.08 | 814.58 |
| Design | 50 | 148 | 817.45 | 816.06 |
| Base | 100 | 195 | 817.75 | 817.13 |
| Max Calc | 500 | 355 | 818.91 | |
| PR Overtopping | 238 | 270 | | 818.95 |
| 10-Year Velocity through Existing Culvert = 11.2 fps | | | | |
| 10-Year Velocity through Proposed Culvert = 7.0 fps | | | | |




PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / CADD FILE NAME / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. — BY — DATE

| | | | | |
|---|---|---|---|---|
| FILE NAME = c:\pw_work\PWIDOT\FORDJD\dms33877\D264A07-sht-plnprf.dgn | USER NAME = fordjd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | | DRAWN - | REVISED - | |
| | PLOT SCALE = 20.000 ' / IN. | CHECKED - | REVISED - | |
| | PLOT DATE = Fri Feb 20 12:05:02 2009 | DATE - | REVISED - | |

2 REVISED SHEET 2-24-09
IL 251

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1177 | 111T | LASALLE | 59 | 24 |
| | | CONTRACT NO. 64A07 | | |

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT