CONTRACT NO. 64560

| F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| * | ** | CARROLL | 548 | 96 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

| Drainage Area = 0.9 Acres | | Drainage Area PR = 0.9 Acres | | | |
|---|---|---|---|---|---|
| Existing Low Grade Elevation: 806.65 ft. @ 275+15 | | | | | |
| Proposed Low Grade Elevation: 806.84 ft. @ 275+15 | | | | | |
| Flood | Frequency Year | Discharge EX cfs | Discharge PR cfs | Headwater Elev. (ft) Existing | Proposed |
| Ten-Year | 10 | 3.0 | 3.0 | 802.37 | 802.45 |
| Design | 50 | 4.0 | 4.0 | 802.52 | 802.61 |
| Base | 100 | 5.0 | 5.0 | 802.65 | 802.76 |
| EX Overtopping | >500 | | | | |
| PR Overtopping | >500 | | | | |
| Max Calc | 500 | 7.0 | 7.0 | 802.89 | 803.05 |

| US RTE 52 | |
|---|---|
| EXIST. CURVE 290 | PROP. CURVE S290 |
| PI STA. = 287+78.73 | PI STA. = 287+78.73 |
| Δ = 13° 54′ 51″ (LT) | Δ = 13° 54′ 51″ (LT) |
| D = 1° 30′ 08″ | D = 1° 30′ 08″ |
| R = 3,813.88′ | R = 3,813.88′ |
| T = 465.39′ | T = 465.39′ |
| L = 926.20′ | L = 926.20′ |
| E = 28.29′ | E = 28.29′ |
| e = ------ | e = 3.2% |
| T.R. = ------ | T.R. = 39′ |
| S.E. RUN = ----- | S.E. RUN = 84′ |
| P.C. STA. = 283+13.34 | P.C. STA. = 283+13.34 |
| P.T. STA. = 292+39.54 | P.T. STA. = 292+39.54 |

BARBARA J. DAUPHIN

TERRY & RUTH JAMES

GERALD D. LIBBERTON

STA. 275+84.02 43′ LT
38′ P CUL, CL D, T1, 15″
2 EA. END SECT. 15″

STA. 279+13.26 46′ LT
50′ P CUL, CL D, T1, 15″
2 EA. END SECT. 15″

ACCESS CONTROL

PROPOSED
3′ BITUMINOUS SHOULDER
5′ AGGREGATE SHOULDER

CONSTRUCTION LIMITS

CONSTRUCTION LIMITS

US RTE 52

MATCHLINE STA 274+00

MATCHLINE STA 289+00

TREE REMOVAL ACRES
274+00 - 276+74 RT

STA 275+15
EXISTING 24″ RCCP
CONCRETE HEADWALL REMOVAL RT
PIPE CULVERT REMOVAL 16′ (2 SECTIONS)
115′ INSERTION CULV LINER 22″
79.5′ RT MH TY A, 5′ DIA, TY 1 FRAME & CLID
77′ RT ℄ = 783.70 (IN)
82′ RT ℄ = 783.52 (OUT)
6′ PIPE CULV CL A, TY 2, 30″
87′ RT ℄ = 783.47
SLOPE = 1.0%
87′ RT PRC FLARED END SEC 30″
RIP-RAP CL A5, 20′ x 6′ WITH FILTER FABRIC

NOTES:

1. CULVERT TO BE CLEANED OUT PRIOR TO LINER INSERTION.

GLEN E. & WILMA J. BRUNNER

JAMES RUSSELL CREATH

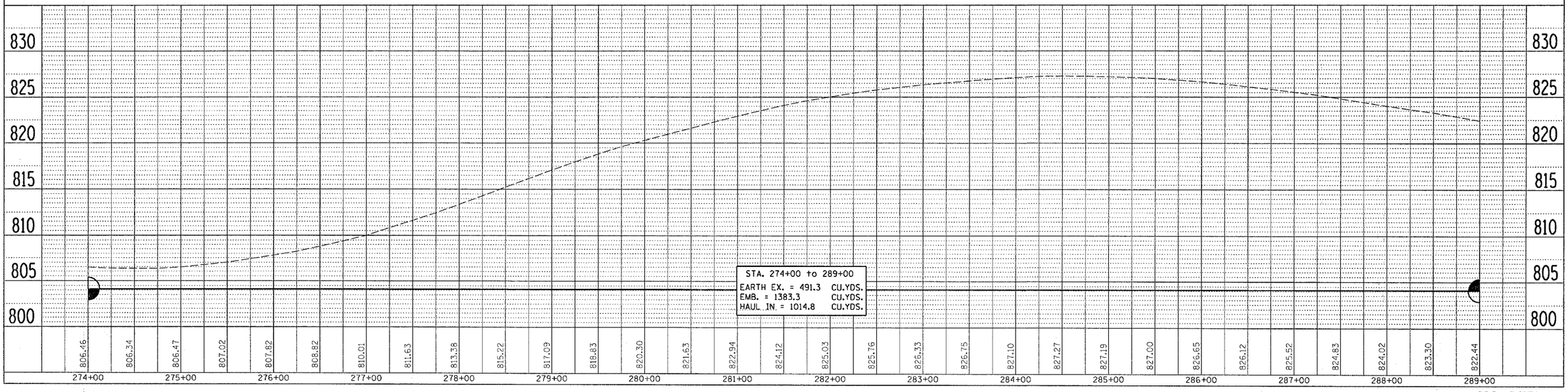
INLET AND PIPE PROTECTION
TEMPORARY DITCH CHECK
PERIMETER EROSION BARRIER

0 50′ 100′

PLAN — SURVEYED, PLOTTED, DRAWN, CHECKED, ALIGNMENT CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, DRAWN, CHECKED, ADJUSTED TO, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

•DATE-TIME•
•DGN-SPEC•
•REF
•REF
•REF
•REF




| STA. 274+00 to 289+00 | |
|---|---|
| EARTH EX. = 491.3 | CU.YDS. |
| EMB. = 1383.3 | CU.YDS. |
| HAUL IN. = 1014.8 | CU.YDS. |

US RTE 52