CONTRACT NO. 70113

| F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 323 | (149,150)RS-3 | EDGAR | 83 | 42 |
| STA. 1815+00 | | TO STA.1821+00 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

SHEET 1 OF 8

# DETAIL OF ACROSS ROAD BOX CULVERT NO. 2
## STATION 1818+71.00, S.N. 023-8063

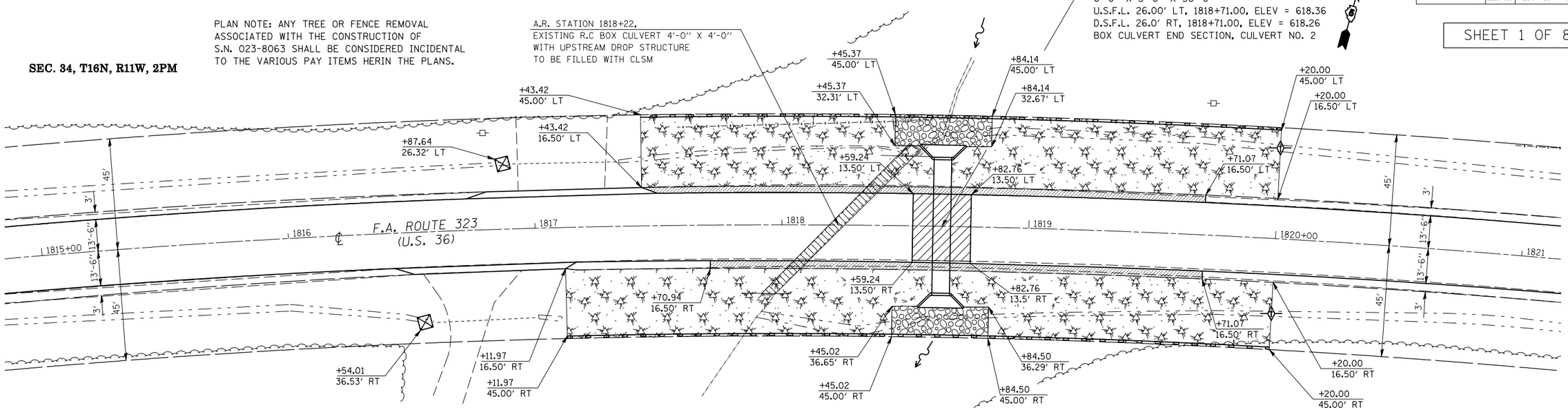
SEC. 34, T16N, R11W, 2PM

PLAN NOTE: ANY TREE OR FENCE REMOVAL ASSOCIATED WITH THE CONSTRUCTION OF S.N. 023-8063 SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS PAY ITEMS HERIN THE PLANS.

A.R. STATION 1818+22,
EXISTING R.C BOX CULVERT 4'-0" X 4'-0"
WITH UPSTREAM DROP STRUCTURE
TO BE FILLED WITH CLSM

1818+71.00 PROPOSED S.N. 010-8320
PRECAST CONC BOX CULVERT (M259)
6'-0" X 3'-0" X 56'-0"
U.S.F.L. 26.00' LT, 1818+71.00, ELEV = 618.36
D.S.F.L. 26.0' RT, 1818+71.00, ELEV = 618.26
BOX CULVERT END SECTION, CULVERT NO. 2

N

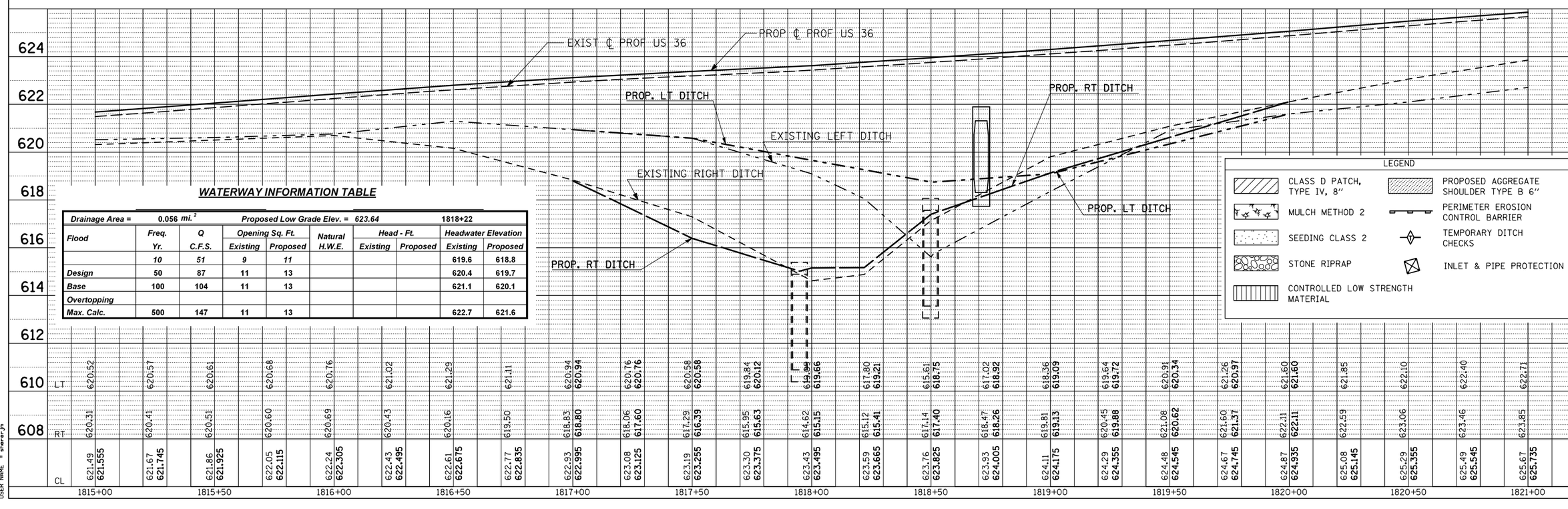



SCALE 1:20
0' 5' 10' 15' 20' 40' 60'

SEE DETAIL OF CONTROLLED LOW STRENGTH MATERIAL

BM 2: CHISELED SQUARE ON TOP OF CENTER OF SOUTH HEADWALL OF A.R. BOX CULVERT, STATION 1817+17.93, 27.56' RT., ELEV. 616.76

44201747 CLASS D PATCHES, TYPE IV, 8" = 71.0 SQ YD




### WATERWAY INFORMATION TABLE

| Drainage Area = 0.056 mi.² | | | Proposed Low Grade Elev. = 623.64 | | | | | 1818+22 | |
|---|---|---|---|---|---|---|---|---|---|
| Flood | Freq. Yr. | Q C.F.S. | Opening Sq. Ft. Existing | Opening Sq. Ft. Proposed | Natural H.W.E. | Head - Ft. Existing | Head - Ft. Proposed | Headwater Elevation Existing | Headwater Elevation Proposed |
| | 10 | 51 | 9 | 11 | | | | 619.6 | 618.8 |
| Design | 50 | 87 | 11 | 13 | | | | 620.4 | 619.7 |
| Base | 100 | 104 | 11 | 13 | | | | 621.1 | 620.1 |
| Overtopping | | | | | | | | | |
| Max. Calc. | 500 | 147 | 11 | 13 | | | | 622.7 | 621.6 |

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
DROP FILE NAME
NOTE BOOK NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BENCH NOTES
CULVERT NOTATNS CK'KD
NOTE BOOK NO.
BY
DATE

PLOT DATE = 4/6/2009
FILE NAME = c:\pw_work\PWIDOT\SHEREMJM\dms87384\70113culvert_sheets.dgn
PLOT SCALE = 1 in. = 20 ft.
USER NAME = sheremjm