92677

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-10	CHRISTIAN	310	56
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SW 1/4 SEC 25, T13N, R1E, 3RD PM

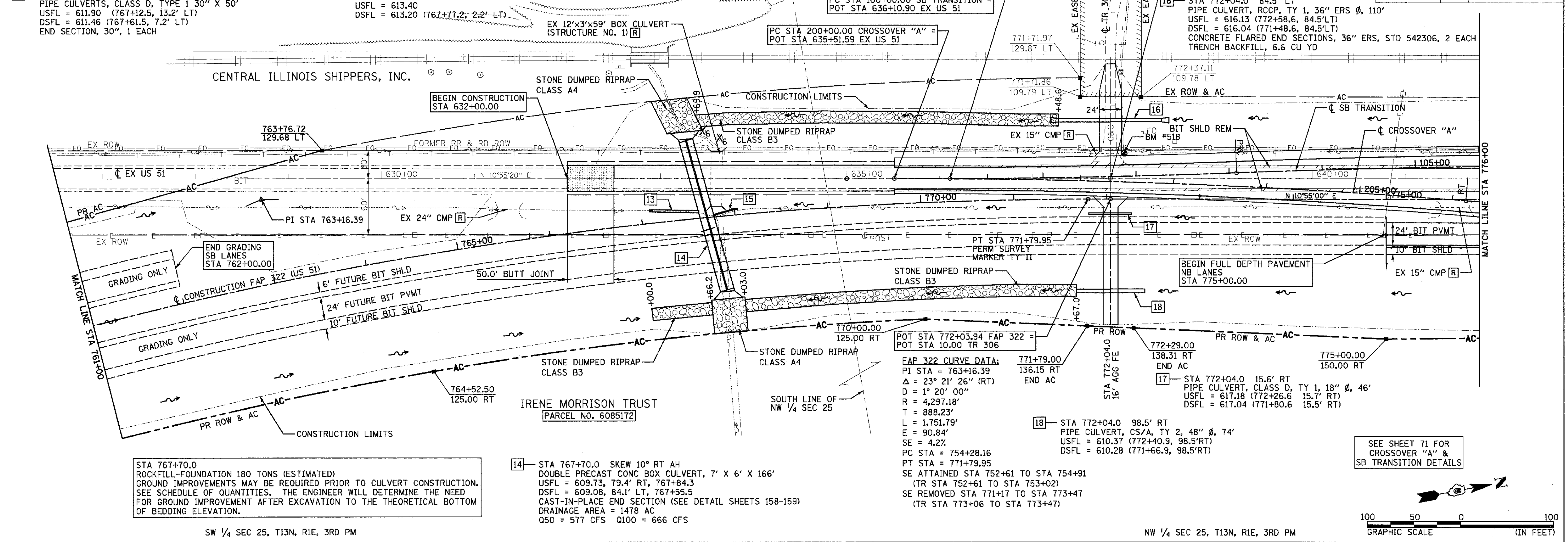
13 — STA 767+37.0 10.2′ LT
PIPE CULVERTS, CLASS D, TYPE 1 30″ X 50′
USFL = 611.90 (767+12.5, 13.2′ LT)
DSFL = 611.46 (767+61.5, 7.2′ LT)
END SECTION, 30″, 1 EACH

15 — STA 768+00.0 6.3′ LT
INLET, TYPE A, WITH MEDIAN INLET (STD 604101),
PIPE CULVERTS, CLASS D, TYPE 1 12″ X 22′
USFL = 613.40
DSFL = 613.20 (767+77.2, 2.2′ LT)

NW 1/4 SEC 25, T13N, R1E, 3RD PM

POT STA 637+83.41 EX US 51=
POT STA 9+77.76 TR 306

16 — STA 772+04.0 84.5′ LT
PIPE CULVERT, RCCP, TY 1, 36″ ERS Ø, 110′
USFL = 616.13 (772+58.6, 84.5′LT)
DSFL = 616.04 (771+48.6, 84.5′LT)
CONCRETE FLARED END SECTIONS, 36″ ERS, STD 542306, 2 EACH
TRENCH BACKFILL, 6.6 CU YD



FAP 322 CURVE DATA:
PI STA = 763+16.39
Δ = 23° 21′ 26″ (RT)
D = 1° 20′ 00″
R = 4,297.18′
T = 888.23′
L = 1,751.79′
E = 90.84′
SE = 4.2%
PC STA = 754+28.16
PT STA = 771+79.95
SE ATTAINED STA 752+61 TO STA 754+91
(TR STA 752+61 TO STA 753+02)
SE REMOVED STA 771+17 TO STA 773+47
(TR STA 773+06 TO STA 773+47)

17 — STA 772+04.0 15.6′ RT
PIPE CULVERT, CLASS D, TY 1, 18″ Ø, 46′
USFL = 617.18 (772+26.6 15.7′ RT)
DSFL = 617.04 (771+80.6 15.5′ RT)

18 — STA 772+04.0 98.5′ RT
PIPE CULVERT, CS/A, TY 2, 48″ Ø, 74′
USFL = 610.37 (772+40.9, 98.5′RT)
DSFL = 610.28 (771+66.9, 98.5′RT)

SEE SHEET 71 FOR CROSSOVER "A" & SB TRANSITION DETAILS

STA 767+70.0
ROCKFILL-FOUNDATION 180 TONS (ESTIMATED)
GROUND IMPROVEMENTS MAY BE REQUIRED PRIOR TO CULVERT CONSTRUCTION. SEE SCHEDULE OF QUANTITIES. THE ENGINEER WILL DETERMINE THE NEED FOR GROUND IMPROVEMENT AFTER EXCAVATION TO THE THEORETICAL BOTTOM OF BEDDING ELEVATION.

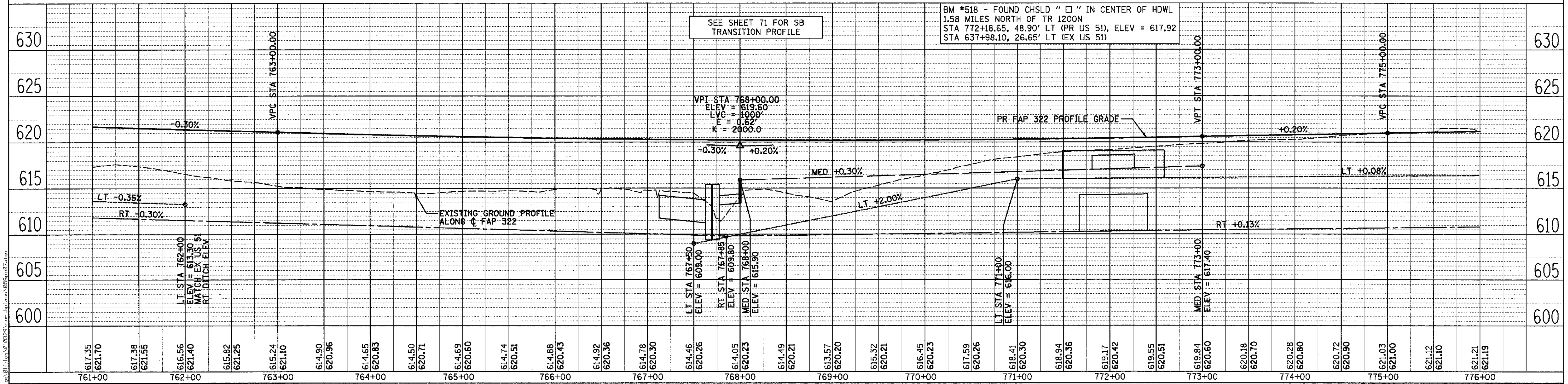
14 — STA 767+70.0 SKEW 10° RT AH
DOUBLE PRECAST CONC BOX CULVERT, 7′ X 6′ X 166′
USFL = 609.73, 79.4′ RT, 767+84.3
DSFL = 609.08, 84.1′ LT, 767+55.5
CAST-IN-PLACE END SECTION (SEE DETAIL SHEETS 158-159)
DRAINAGE AREA = 1478 AC
Q50 = 577 CFS Q100 = 666 CFS

SW 1/4 SEC 25, T13N, R1E, 3RD PM

NW 1/4 SEC 25, T13N, R1E, 3RD PM

SEE SHEET 71 FOR SB TRANSITION PROFILE

BM #518 - FOUND CHSLD " □ " IN CENTER OF HDWL
1.58 MILES NORTH OF TR 1200N
STA 772+18.65, 48.90′ LT (PR US 51), ELEV = 617.92
STA 637+98.10, 26.65′ LT (EX US 51)



761+00	617.35	621.70
	617.38	621.55
762+00	616.56	621.40
	615.82	621.25
763+00	615.24	621.10
	614.90	620.96
764+00	614.65	620.83
	614.50	620.71
765+00	614.69	620.60
	614.74	620.51
766+00	614.88	620.43
	614.92	620.36
767+00	614.78	620.30
	614.46	620.26
768+00	614.05	620.23
	614.49	620.21
769+00	613.57	620.20
	615.32	620.21
770+00	616.45	620.23
	617.59	620.26
771+00	618.41	620.30
	618.94	620.36
772+00	619.17	620.42
	619.55	620.51
773+00	619.84	620.60
	620.18	620.70
774+00	620.28	620.80
	620.72	620.90
775+00	621.03	621.00
	621.12	621.10
776+00	621.21	621.19

FAP 322 (US 51) STA 761+00 TO STA 776+00

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

3/29/2005

PROFILE		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	B.M. NOTED		
NO.____	STRUCTURE NOTAT'NS CH'KD		

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