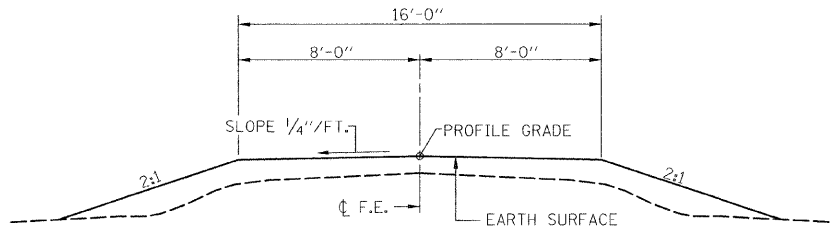
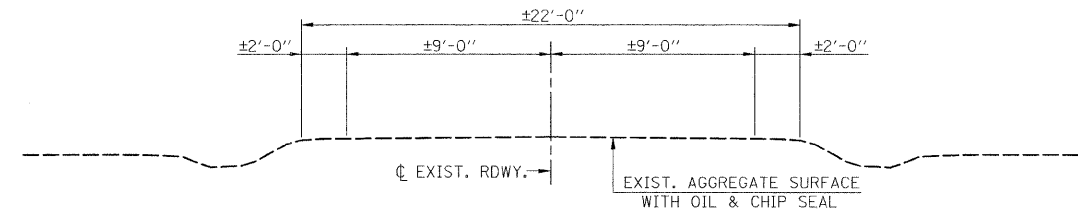


- 3:1 FILL < 6'
- 2:1 FILL > 6'
- 3:1 CUT < 10'
- 2:1 CUT > 10'

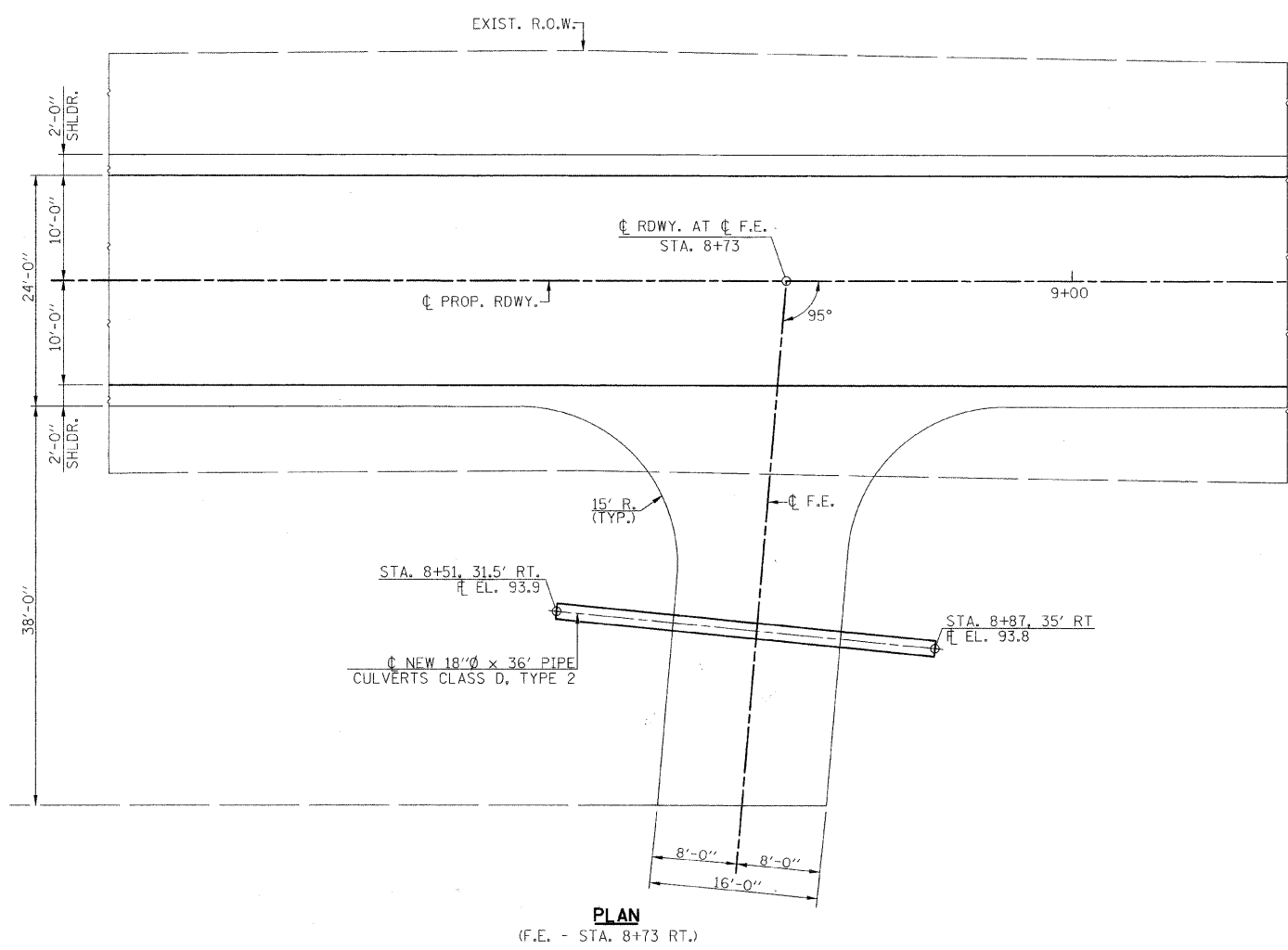
**PROPOSED CROSS SECTION**



**TYPICAL FIELD ENTRANCE**  
(STA. 8+73 RT.)



**EXISTING CROSS SECTION**



**PLAN**  
(F.E. - STA. 8+73 RT.)

**SUMMARY OF QUANTITIES**

ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU. YD. 244
20300100	CHANNEL EXCAVATION	CU. YD. 255
20400800	FURNISHED EXCAVATION	CU. YD. 858
25000200	SEEDING, CLASS 2	ACRE 0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND 45
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND 45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND 45
25100115	MULCH, METHOD 2	ACRE 0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND 100
28000300	TEMPORARY DITCH CHECKS	EACH 4
28000500	INLET AND PIPE PROTECTION	EACH 1
28100807	STONE DUMPED RIPRAP, CLASS A4	TON 432
28200200	FILTER FABRIC	SQ. YD. 548
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON 500
50100100	REMOVAL OF EXISTING STRUCTURES	EACH 1
50200100	STRUCTURE EXCAVATION	CU. YD. 125
50300225	CONCRETE STRUCTURES	CU. YD. 30.4
50300280	CONCRETE ENCASEMENT	CU. YD. 2.8
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ. FT. 1502
50800105	REINFORCEMENT BARS	POUND 4030
50900205	STEEL RAILING, TYPE S-1	FOOT 128
51201600	FURNISHING STEEL PILES HP 12X53	FOOT 348
51202305	DRIVING PILES	FOOT 348
51203600	TEST PILE STEEL HP 12X53	EACH 2
51500100	NAME PLATES	EACH 1
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT 36
67100100	MOBILIZATION	L. SUM 1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH 4

\* SEE SPECIAL PROVISIONS  
 Δ SPECIALTY ITEMS  
 CONSTRUCTION TYPE CODE: X080

**GENERAL NOTES**

SEEDING: FERTILIZER NUTRIENTS SHALL BE APPLIED AT A RATIO OF 1:1:1 AND AT A RATE OF 90 POUNDS PER ACRE FOR EACH NUTRIENT.  
 MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE.  
 AREAS TO BE SEEDDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.  
 NO COMMITMENTS.

**EARTHWORK SCHEDULE**

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU. YD.	CU. YD.	CU. YD.	CU. YD.
STA. 6+25 TO STA. 6+50	16	12	6	+6
STA. 6+50 TO STA. 7+00	31	23	22	+1
STA. 7+00 TO STA. 7+50	30	23	56	-33
STA. 7+50 TO STA. 8+00	35	26	129	-103
STA. 8+00 TO STA. 8+50	48	36	222	-186
STA. 8+50 TO STA. 9+00	43	32	337	-305
STA. 9+00 TO STA. 9+33	20	15	215	-200
BRIDGE OMISSION - STA. 9+33 TO STA. 9+97				
STA. 9+97 TO STA. 10+00	0	0	0	-1
STA. 10+00 TO STA. 10+50	5	4	22	-18
STA. 10+50 TO STA. 11+00	7	5	18	-13
STA. 11+00 TO STA. 11+50	9	7	13	-6
<b>TOTAL</b>	<b>244</b>	<b>183</b>	<b>1041</b>	<b>858</b>

FILE NAME =	USER NAME = #USER#	DESIGNED - F.L.L.	REVISED - ---
#FILE#		DRAWN - M.J.S.	REVISED - ---
		CHECKED - M.A.H.	REVISED - ---
		DATE -	REVISED - ---

**Allen Henderson & Associates, Inc.**  
 Civil and Structural Engineers Springfield, IL  
 62703 Phone: (217)544-8033 IL Design Firm  
 No. 184-001907

**SUMMARY OF QUANTITIES, DETAILS & TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 2 OF 13 SHEETS STA. 10+50.00 TO STA. 14+10.00