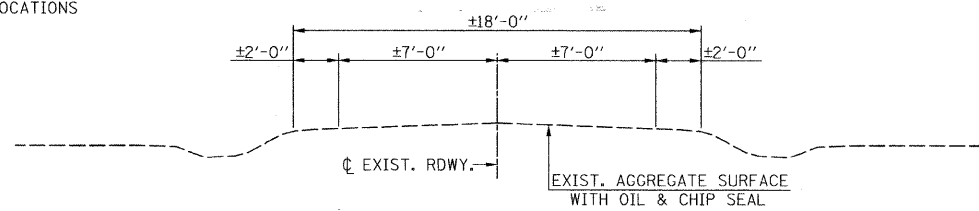
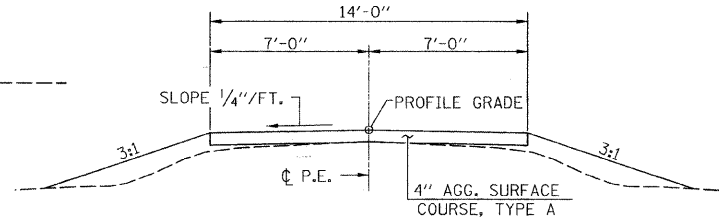


PROPOSED CROSS SECTION

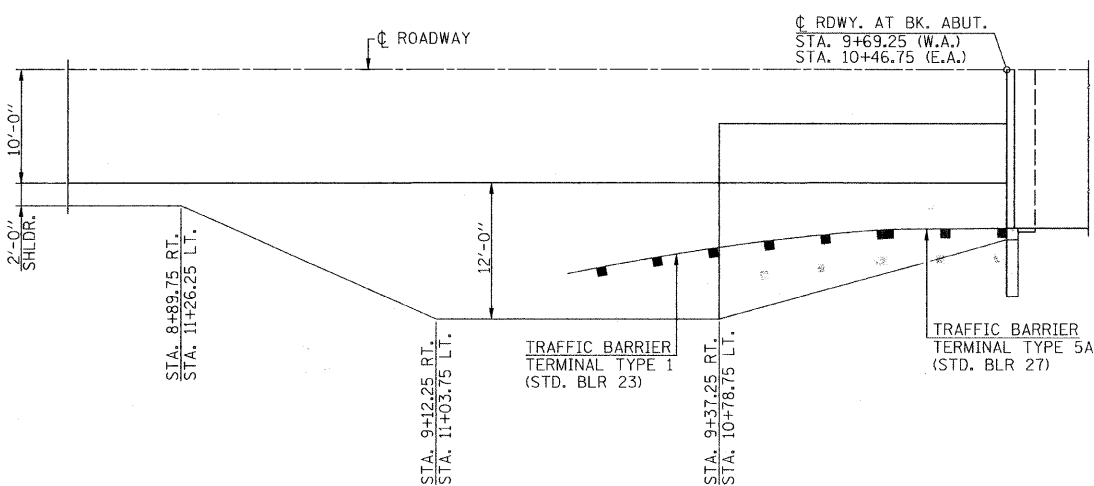
•• 3:1 < 6'
 2:1 > 6' OR AT GUARDRAIL LOCATIONS
 ••• 3:1 < 10'
 2:1 > 10'



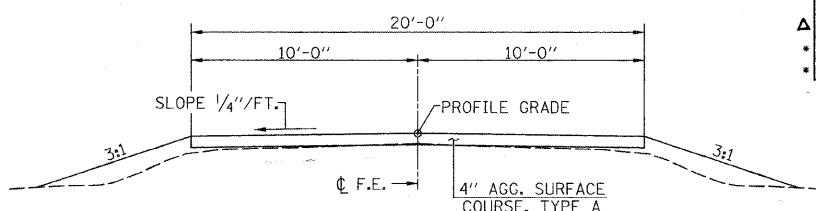
EXISTING CROSS SECTION



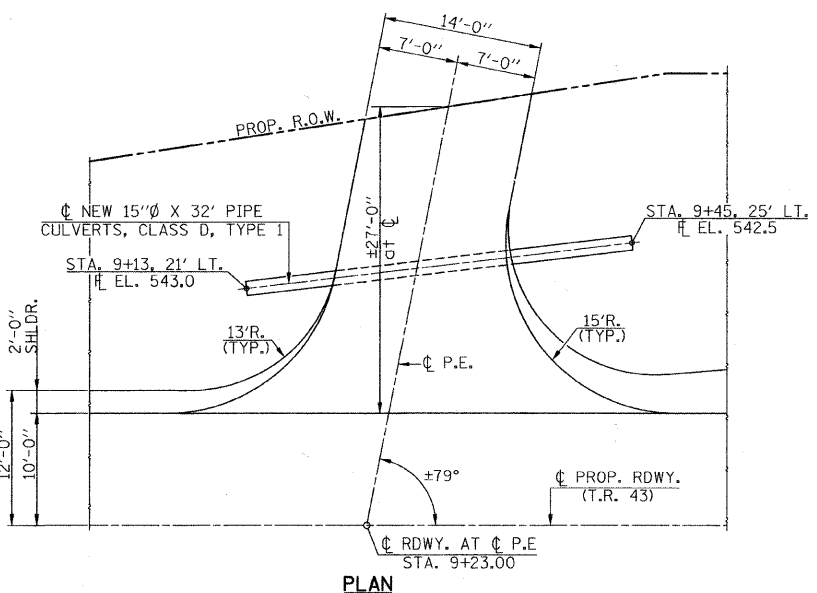
PROPOSED CROSS SECTION
 (P.E. STA. 9+23 LT.)



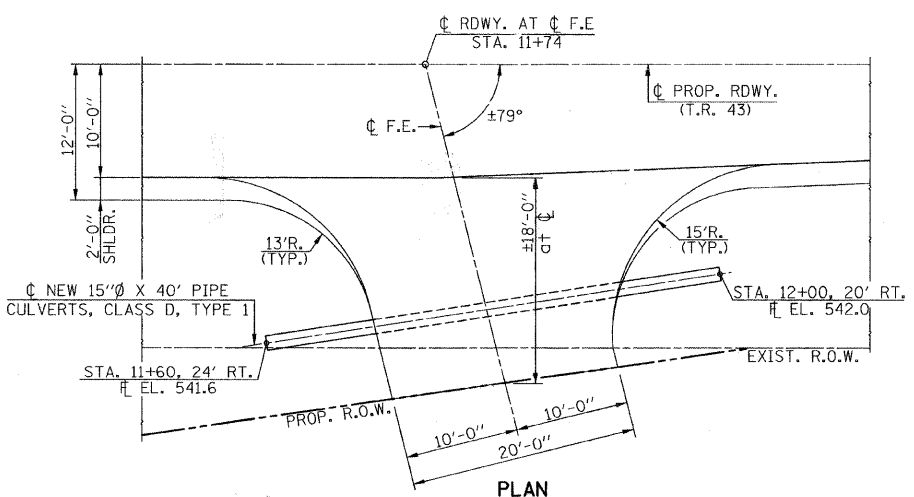
GUARDRAIL PLAN LAYOUT
 (N.E. & S.W. CORNERS)



PROPOSED CROSS SECTION
 (F.E. STA. 11+74 RT.)



PLAN



PLAN

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.3
20200100	EARTH EXCAVATION	CU. YD.	155
20300100	CHANNEL EXCAVATION	CU. YD.	2098
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.9
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	563
28200200	FILTER FABRIC	SQ. YD.	786
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	353
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU. YD.	146
50300225	CONCRETE STRUCTURES	CU. YD.	28.0
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SO. FT.	2133
50800105	REINFORCEMENT BARS	POUND	3260
50900205	STEEL RAILING, TYPE S-1	FOOT	155
51200957	FURNISHING METAL SHELL PILES 12"X0.250"	FOOT	815
51202305	DRIVING PILES	FOOT	815
51203200	TEST PILE METAL SHELLS	EACH	2
51500100	NAME PLATES	EACH	1
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	72
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
67100100	MOBILIZATION	L. SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L. SUM	1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2
Z0015500	DEBRIS REMOVAL	L. SUM	1
Z0022800	FENCE REMOVAL	FOOT	134

* SEE SPECIAL PROVISIONS
 CONSTRUCTION TYPE CODE: X080-2A

GENERAL NOTES

WHERE SECTION OR SUBSECTION STONES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR REFERENCED THEIR LOCATION.
 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. 8+25.00 TO STA. 8+50.00	4	3	1	2
STA. 8+50.00 TO STA. 9+00.00	26	19	7	12
STA. 9+00.00 TO STA. 9+50.00	32	24	83	-59
STA. 9+50.00 TO STA. 9+69.25	11	8	53	-45
BRIDGE OMISSION - STA. 9+69.25 TO STA. 10+46.75				
STA. 10+46.75 TO STA. 10+50.00	1	1	8	-7
STA. 10+50.00 TO STA. 11+00.00	9	7	156	-149
STA. 11+00.00 TO STA. 11+50.00	13	10	118	-108
STA. 11+50.00 TO STA. 12+00.00	24	18	39	-21
STA. 12+00.00 TO STA. 12+50.00	21	16	11	5
TOTAL	155	117	476	-359 ****

**** - NO FURNISHED EXCAVATION WILL BE REQUIRED. THE COST OF DISPOSING EXCESS STRUCTURE OR CHANNEL EXCAVATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CHANNEL EXCAVATION.

FILE NAME	USER NAME	DESIGNED	REVISED
#FILE#	#USER#	DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED

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

SCALE:	SHEET NO. 2 OF 15 SHEETS	STA. TO STA.
--------	--------------------------	--------------

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	08-03115-00-BR	MENARD	15	2
CONTRACT NO. 93530				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				