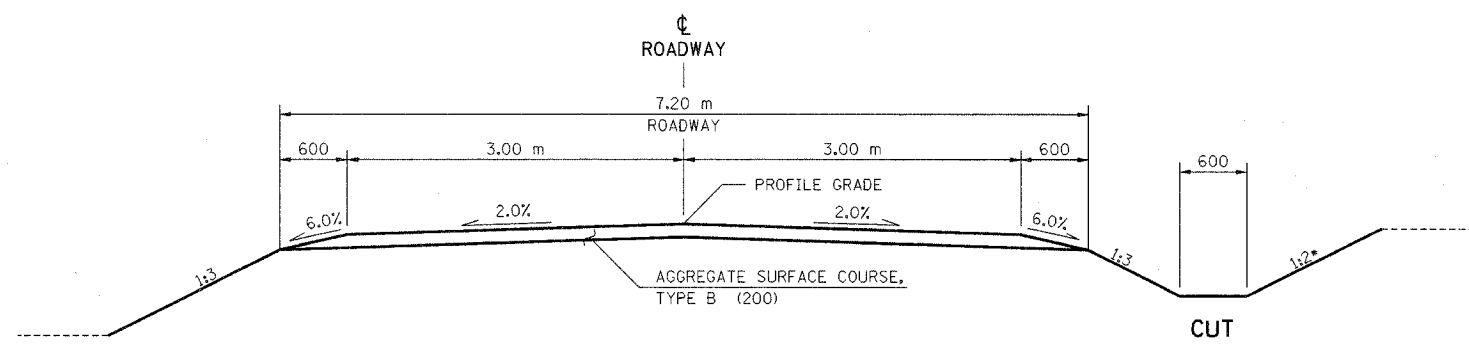
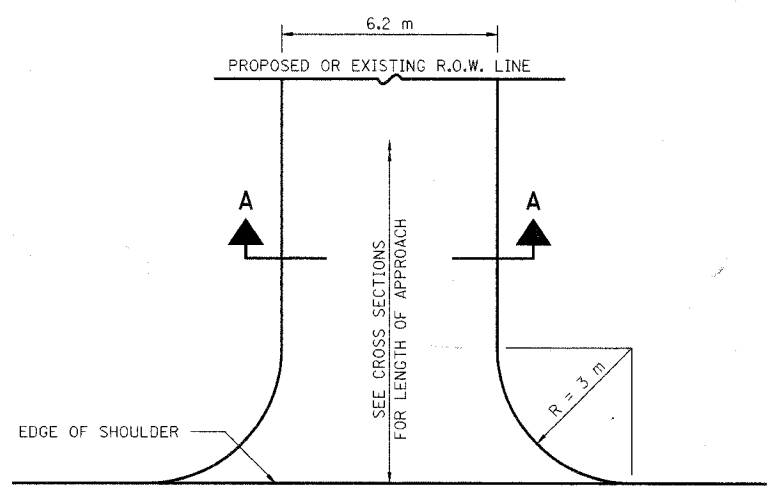


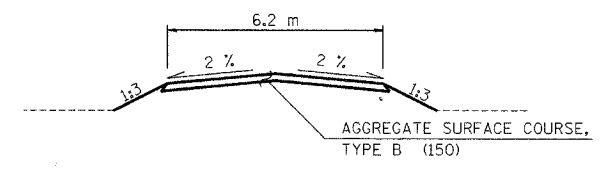
SUMMARY OF QUANTITIES			
ITEM NUMBER	PAY ITEMS	UNIT	TOTAL QUANT.
M2010210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18
M2020010	EARTH EXCAVATION	CU M	308
M2030100	CHANNEL EXCAVATION	CU M	318
M2040800	FURNISHED EXCAVATION	CU M	401
M2500200	SEEDING, CLASS 2	HA	0.2
M2500400	NITROGEN FERTILIZER NUTRIENT	KG	20
M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	20
M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	20
M2510115	MULCH, METHOD 2	HA	0.2
M2810807	STONE DUMPED RIPRAP, CLASS A4	M TON	295
M2820100	FILTER FABRIC FOR USE WITH RIPRAP	SQ M	443
M4021010	AGGREGATE SURFACE COURSE, TYPE B	M TON	810
50100200	REMOVAL OF EXISTING STRUCTURE	L S	1
M5020100	STRUCTURE EXCAVATION	CU M	68
M5030350	CONCRETE STRUCTURES	CU M	14.2
M5040686	PRECAST PRESTRESSED CONCRETE DECK BEAMS (686 DEPTH)	SQ M	130.8
M5080105	REINFORCEMENT BARS	KG	1446
M5090100	STEEL RAILING TYPE S 1	M	36
M5120100	FURNISHING METAL PILE SHELLS 305MM	M	35
M5120340	DRIVING AND FILLING SHELLS	M	35
51203200	TEST PILE METAL SHELLS	EACH	1
M5120605	CONCRETE ENCASEMENT	CU M	2.7
51500100	NAME PLATES	EACH	1
M542H425	PIPE CULVERTS, CLASS D, TYPE 1, 375 MM	M	8.5
M542H430	PIPE CULVERTS, CLASS D, TYPE 1, 450 MM	M	13.4
28000300	TEMPORARY DITCH CHECKS	EACH	10
M2800250	TEMPORARY EROSION CONTROL SEEDING	KG	30
28000500	INLET AND PIPE PROTECTION	EACH	2



PROPOSED TYPICAL SECTION
 STATION 9+870.000 to STATION 9+990.840
 STATION 10+009.160 to STATION 10+100.000
 ADT < 150



FIELD ENTRANCE DETAIL
 STATION 9+970 RT.
 STATION 10+025 LT.



SECTION A-A

GENERAL NOTES

ALL DISTURBED EARTH SURFACES WITHIN THE LIMITS OF THE RIGHT-OF-WAY AND EASEMENTS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER.

ITEM	RATE OF APPLICATION	EST. QUANTITIES
SEEDING, CLASS 2	170 kg/ha	0.2 ha
NITROGEN FERTILIZER NUTRIENTS	100 kg/ha	20 kg
PHOSPHORUS FERTILIZER NUTRIENTS	100 kg/ha	20 kg
POTASSIUM FERTILIZER NUTRIENTS	100 kg/ha	20 kg
MULCH, METHOD 2	4.5 mtons/ha	0.2 ha
EMULSIFIED ASPHALT OR CHEMICAL MULCH BINDER	300 L/mton	270 L

ALL TREES WITHIN THE RIGHT-OF-WAY THAT INTERFERE WITH PROPOSED CONSTRUCTION SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTHS OF PIPE CULVERTS OR PIPE DRAINS PRIOR TO ORDERING THESE ITEMS.

FOR JOINT UTILITY INFORMATION CALL J.U.L.I.E. TOLL FREE 800-892-0123. KNOWN UTILITIES WITHIN THE PROJECT LIMITS ARE AS FOLLOWS:

SHELBY ELECTRIC CO-OP ILLINOIS CONSOLIDATED TELEPHONE
 P.O. BOX 560 121 SOUTH 17th
 SHELBYVILLE, IL 62565 MATTOON, IL 61938
 TELEPHONE (217) 774-3986 (217) 234-9971

PLAN DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

SUMMARY OF QUANTITIES
GEN. NOTES & TYPICALS
T.R. 408
SHELBY COUNTY
SECTION 97-21117-00-BR
STRUCTURE NO. 087-3504
STA. 10+000.000

RC ENGINEERS, LTD.
CONSULTING ENGINEERS
 DESIGNED: G.R. DRAWN: D.J.R.
 CHECKED: J.W.G. CHECKED: J.W.G.

February 27, 2001
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