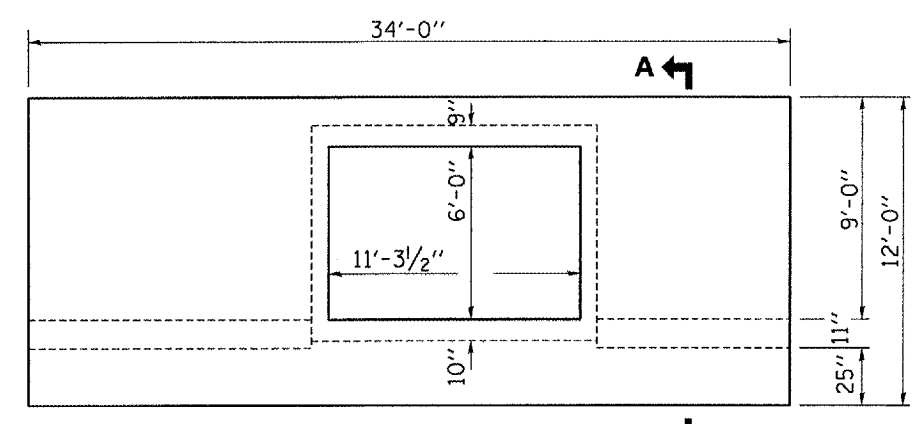
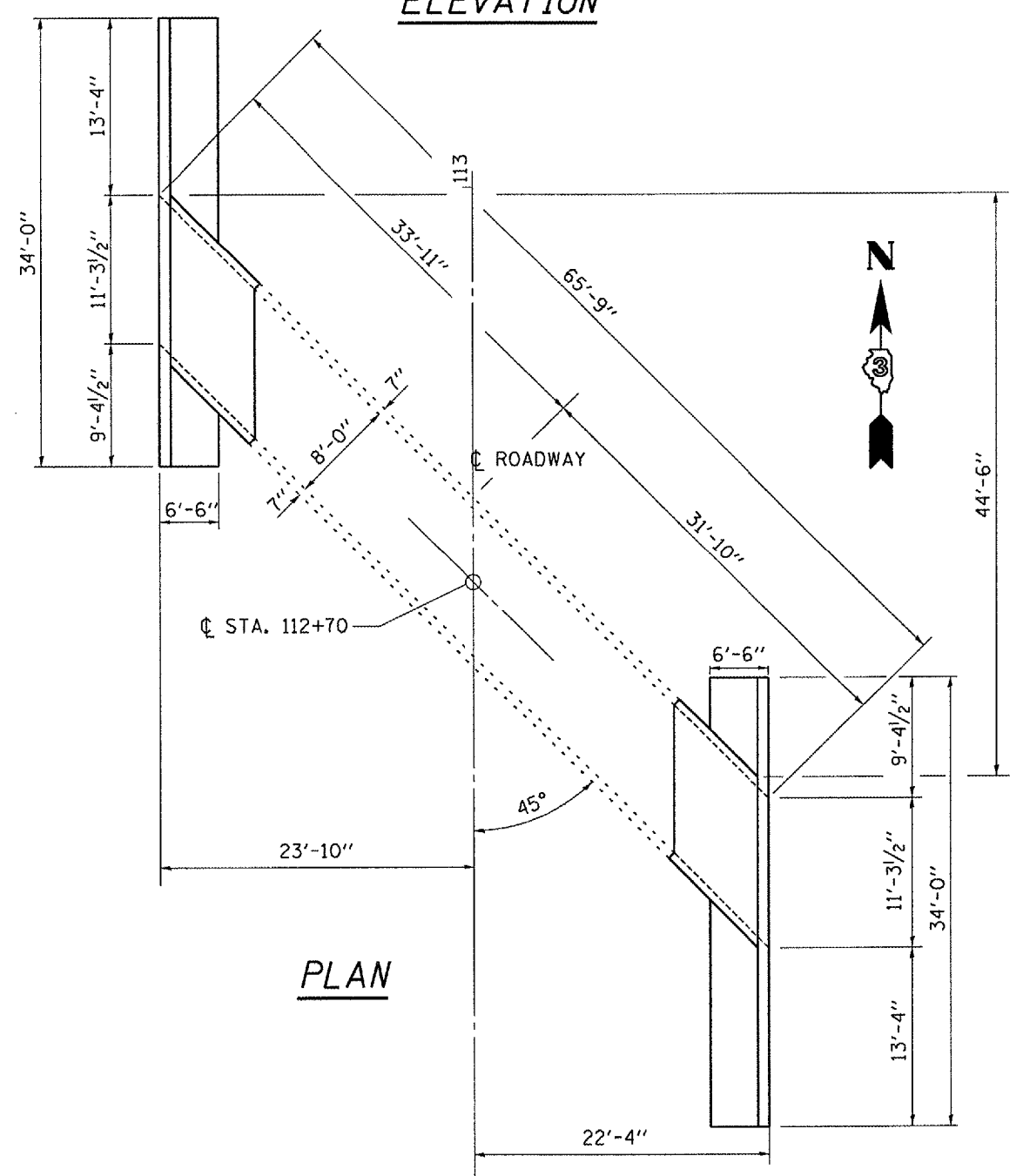


**ELEVATION**



**END ELEVATION**



**PLAN**

**NOTES**

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR 60 (IL MODIFIED). SEE SPECIAL PROVISIONS.

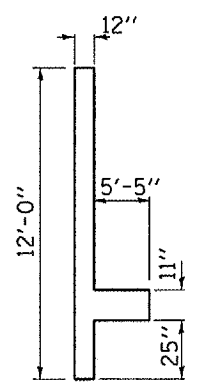
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

EXCAVATION BEHIND THE HEAD/WINGWALL SHALL NOT BE PERFORMED UNTIL THE TEMPORARY SOIL RETENTION SYSTEM HAS BEEN INSTALLED. THE CONTRACTOR SHALL EXPOSE THE EDGE OF THE BOX CULVERT PRIOR TO INSTALLING THE TEMPORARY SOIL RETENTION SYSTEM. IF PORTIONS OF THE BOX CULVERT TO REMAIN ARE DAMAGED DURING THE INSTALLATION OF THE TEMPORARY SOIL RETENTION SYSTEM OR DURING EXCAVATION, THE CONTRACTOR SHALL REPAIR OR REPLACE THE DAMAGED AREA TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

BACKFILL SHALL BE PLACED BEHIND THE WING/HEADWALL AFTER THE CONCRETE HAS BEEN POURED, CURED AND FALSEWORK REMOVED. SEE ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.

**TOTAL BILL OF MATERIALS FOR TWO ENDS**

ITEM	UNIT	UPSTR.	DNSTR.	TOTAL
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	684	684	1368
STRUCTURE EXCAVATION	CU. YD.	186	186	372
CONCRETE REMOVAL	CU. YD.	19	19	38
CONCRETE BOX CULVERTS	CU. YD.	22	22	44
REINFORCEMENT BARS EPOXY COATED	POUNDS	3675	3675	7350
SHEET WATERPROOFING MEMBRANE SYSTEM	SQ. YD.	60	60	120
FURNISHED EXCAVATION	CU. YD.	186	186	372
TEMPORARY SUPPORT SYSTEM	EACH	2	1	2
MECHANICAL SPLICE	EACH	34	34	68



**SECTION A-A**

FAP ROUTE 646 (IL 40)  
SECTION (12)11-1  
BUREAU COUNTY  
STA. 112+70  
S.N. 006-2523

FILE NAME = c:\projects\main\08\cm315\detail1.dgn	USER NAME = woodshankrj	DESIGNED - RON WOODSHANK	REVISED - 11/29/2007
		DRAWN - RON WOODSHANK	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**EXISTING PLAN AND ELEVATION**

SCALE: SHEET NO. 1 OF 6 SHEETS STA. 110+10 TO STA. 115+30

F.A.P. RTE. 646	SECTION (12)11-2	COUNTY BUREAU	TOTAL SHEETS 13	SHEET NO. 8
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 66732	