EARTHWORK VOLUMES FOR PRIMARY DITCH

SF. S.F. C.Y. C.Y. 353+04 0 0 1 0 353+10 9 0 102 0 353+50 129 0 230 0 354+00 119 0 217 0 354+50 115 0 225 0 355+00 128 0 261 0 355+50 154 0 283 0 356+00 152 0 304 0 357+50 161 0 312 0 357+50 154 0 292 0 358+00 168 0 50 0 358+50 170 0 270 0 358+50 189 0 359 0 359+00 189 0 359 0 360+00 200 0 370 0 360+50 200 0 370	STATION	CUT AREA	FILL AREA	CUT VOL.	FILL VOL.
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371+50 491 0 692 0 372+00 795 0 1191 0					0
372+00 795 0 1191 0					
				1191	0
TOTAL 21,868 0				I	
<u> </u>	TOTAL			21,868	0

EARTHWORK VOLUMES FOR RUNWAY 18-36 DITCH

CUT AREA	FILL AREA	CUT VOL.	FILL VOL.
S.F.	S.F.	C.Y.	C.Y.
0	0	70	0
42	0		
50	0		0
0	0		0
0	0		0
0	0		0
0	0		0
0	0		0
0	0		0
53	0		0
	0		0
	0		0
	0	19	0
		242	0
	S.F. 0 42 50 0 0 0 0	S.F. S.F. 0 0 42 0 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S.F. S.F. C.Y. 0 0 39 42 0 15 50 0 38 0 17 53 0 57 20 0 0 19

EARTHWORK VOLUMES FOR POND/SITE GRADING

STATION	CUT AREA	FILL AREA	CUT VOL.	FILL VOL
	S.F.	S.F.	C.Y.	C.Y.
TOTAL	_		13,457	16,631

REFER TO DEPTHS OF CUT AND FILL SHOWN ON THE STAKING PLAN FOR VOLUME CALCULATION.

EARTHWORK VOLUMES FOR DITCH OUTFALL GRADING

STATION	CUT AREA	FILL AREA	CUT VOL.	FILL VOL.
	S.F.	S.F.	C.Y.	C.Y.
99+47.55	_		1430	0
101+00			60	0
108+00	-	_	25	0
TOTAL			1515	0

Hanson Professional Services Inc. 1525 South Stuth Street Springfield, Illinos 22703-2886

CONSTRUCT
RUNWAY 9-27
PROJECT EARTHWORK
VOLUME TABLES
SITE

127
127 of 127 sheets

THE SHRINKAGE LOSS FACTOR FOR THE EARTHWORK VOLUME PERTAINING TO THE CONSTRUCTION OF THE BITUMINOUS ALTERNATE WAS CALCULATED AT APPROXIMATELY 34%.

THE SHRINKAGE LOSS FACTOR FOR THE EARTHWORK VOLUME PERTAINING TO THE CONSTRUCTION OF THE PCC ALTERNATE WAS CALCULATED AT APPROXIMATELY 32%.

IF SURPLUS MATERIAL REMAINS FOLLOWING THE FINAL GRADING IT WILL BE DISPERSED UNIFORMLY ON THE PROJECT SITE AND WITHIN THE PROJECT GRADING LIMITS IN A WAY THAT WILL NOT NEGATIVELY AFFECT THE SITE DRAINAGE. IF ADDITIONAL EARTH MATERIAL IS NECESSARY TO OBTAIN THE GRADES PROPOSED IT WILL BE OBTAINED BY ADDITIONAL IS SUCH A WAY TO PROVIDE SMOOTH CONTOURS ALONG THE PROPOSED DITCH.

152-UNCLASSIFIED EXCAVATION NOTES:

UNCLASSIFIED EXCAVATION SHALL BE ACCOMPLISHED BY MEANS OF SELECT GRADING OF THE EARTHEN MATERIAL. USABLE TOPSOIL SHALL BE PLACED ON ALL SHOULDERS AND PROPOSED TURE AREAS AND THE MATERIALS ENCOUNTERED IN THE LOWER HORIZONS WILL BE UTILIZED TO FORM THE FILLS NECESSARY TO ACHIEVE THE PROPOSED GRADES.

EXCAVATION SHALL BE PAID FOR ONLY ONCE. STOCKPILING OF TOPSOIL FOR LATER REUSE AND REDISTRIBUTION, IF NECESSARY, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. NO PAYMENT WILL BE ALLOWED FOR DOUBLE HANDLING OF ANY MATERIAL.

THE AVAILABLE TOPSOIL WILL BE DISTRIBUTED UNIFORMLY OVER THE PROPOSED TURF AREAS. THE EXCAVATION NECESSARY TO ACHIEVE THE UNIFORM DEPTH OF TOPSOIL IS TO BE CONSIDERED INCIDENTAL TO ITEM 152410 — UNCLASSIFIED EXCAVATION AND NO ADDITONAL COMPENSATION WILL BE ALLOWED.

THE COMPACTION OF THE TOP 16" OF MATERIAL BENEATH PAVEMENT AREAS TO BE PROCESSED WILL BE COMPACTED TO A MINIMUM DENSITY OF 92% OF THE MAXIMUM DEPT DENSITY