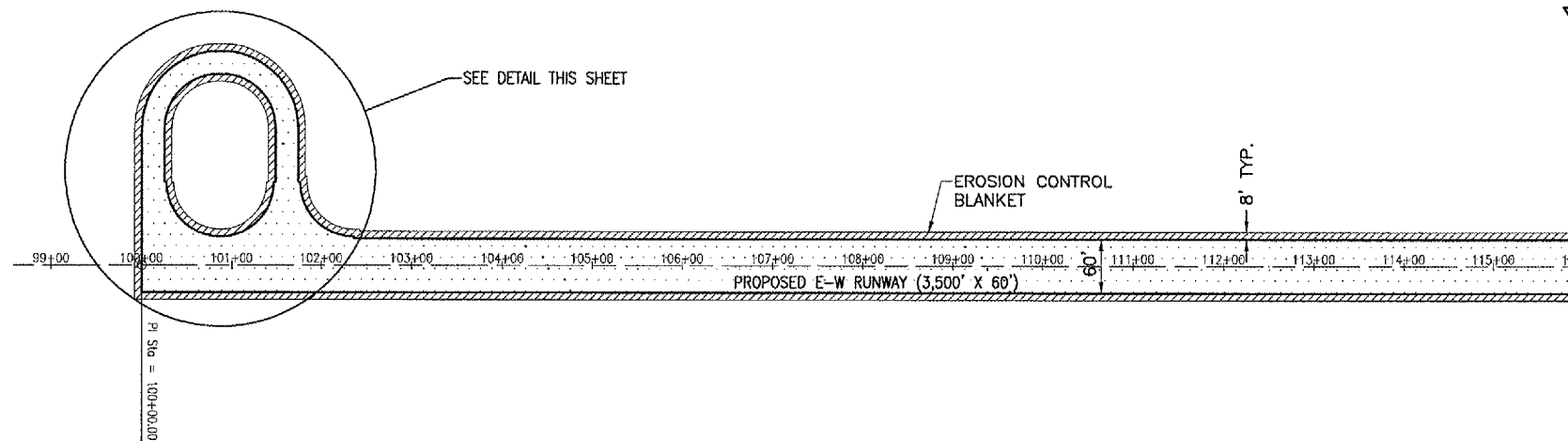


DETAIL "A"
SCALE 1" = 50'



MATCHLINE STA. 116+00

DATE	REVISION

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

A.I.P. PROJ.: 3-17-0100-B7

FILE PROJECT NO. 828-03RWY04.DWG	DATE 02/05/04
DATE 02/05/04	SCALE 1" = 100'
LAYOUT	RAW 02/05/04
DRAWN	MDR 03/25/05
REVIEWED	CAH 03/28/05



Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2885
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
PROPOSED
CONSTRUCTION PLAN
STA. 100+00 TO STA. 116+00

MAY 04, 2005 10:31 AM RAW I:\AIRPORTS\T.VILLE\B28-03RWY04\AIRPORT\SHEETS\9-12\CON.DWG - STA. 100+00 TO STA. 116+00

POINT NO.	NORTHING	EASTING	STATION	OFFSET
1	1043612.1363	2529274.1051	100+00.00	30.0' RT.
2	1043792.0959	2529270.2933	301+50.00	12.5' LT.
3	1043792.6253	2529295.2877	301+50.00	12.5' RT.
4	1043793.8959	2529355.2743	301+81.45	72.5' RT.
5	1043853.8825	2529354.0037	302+63.88	12.5' RT.
6	1043878.8769	2529353.4743	302+63.88	12.5' LT.
7	1043878.9616	2529357.4734	302+63.88	12.5' LT.
8	1043853.9672	2529358.0028	302+63.88	12.5' RT.
9	1043793.9806	2529359.2734	303+42.81	72.5' RT.
10	1043795.2512	2529419.2599	303+81.77	12.5' RT.
11	1043795.7806	2529444.2543	303+81.77	12.5' LT.
12	1043735.9513	2529358.5021	300+92.00	74.5' RT.
13	1043734.6383	2529296.5160	300+92.00	12.5' RT.
14	1043737.2642	2529420.4882	304+39.77	12.5' RT.
15	1043739.1066	2529507.4687	304+39.77	74.5' LT.
16	1043737.7936	2529445.4826	304+39.77	12.5' LT.
17	1043677.1205	2529508.7816	102+36.00	30.0' LT.
18	1043642.1295	2529273.4698	100+00.00	CENTERLINE

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR155540	BY-PRODUCT LIME	TON	1,173
AR155616	SOIL PROCESSING-16"	S.Y.	31,277

AS152410	UNCLASSIFIED EXCAVATION	C.Y.	71,511
AS209510	CRUSHED AGGREGATE BASE COURSE	TON	7,200
AS501505	5" PCC PAVEMENT	S.Y.	29,563
AS501530	PCC TEST BATCH	EACH	1

AT152410	UNCLASSIFIED EXCAVATION	C.Y.	71,876
AT201610	BITUMINOUS BASE COURSE	TON	4,491
AT201630	BITUMINOUS BASE TEST SECTION	EACH	1
AT209510	CRUSHED AGGREGATE BASE COURSE	TON	10,588
AT401610	BITUMINOUS SURFACE COURSE	TON	2,661
AT401630	BITUMINOUS SURFACE TEST SECTION	EACH	1
AT602510	BITUMINOUS PRIME COAT	GAL.	10,741
AT603510	BITUMINOUS TACK COAT	GAL.	1,497

155-LIME-MODIFIED SUBGRADE NOTES:

THE PROPOSED LIME-MODIFIED SUBGRADE SHALL BE COMPLETED IN ACCORDANCE WITH ITEM 155 "LIME TREATED SUBGRADE" AS STATED ON PAGE 32 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING A 16" DEEP COURSE OF A MIXTURE OF SOIL, LIME AND WATER IN ACCORDANCE WITH THE RATES AND METHODS DESIGNED IN THE SPECIFICATIONS (EITHER THE WET OR DRY METHODS IS ACCEPTABLE).

THE SUBGRADE WILL BE CUT PRIOR TO LIME-MODIFICATION.

ANY SWELL WILL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF ON THE AIRPORT SITE AS DIRECTED BY THE RESIDENT ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR REMOVAL OF SWELL.

THE LIME-MODIFIED SUBGRADE SHALL BE CUT TO FINISHED ELEVATION UPON COMPLETION (0.05+) IN ACCORDANCE TO SECTION 152-2.11 OF THE SPECIFICATIONS. THE LIME-MODIFIED SUBGRADE WILL BE WET CURED FOR 2 DAYS.

THE CONTRACTOR WILL LIME-MODIFY THE SUBGRADE FROM THE CENTERLINE TO 1.5' OUTSIDE OF THE PROPOSED PAVEMENT SURFACE ON BOTH SIDES.

THE LIME-MODIFIED SUBGRADE WILL BE COMPACTED IN ACCORDANCE WITH PROCEDURES FOR AIRCRAFT WEIGHING LESS THAN 60,000 POUNDS.

THE LIME, BY-PRODUCT LIME (CODE L), WAS CALCULATED AT 6% OF THE DRY SOIL WEIGHT AT MAXIMUM DENSITY. THE ACTUAL AMOUNT WILL BE DETERMINED PRIOR TO THE START OF CONSTRUCTION, BUT SHALL NOT EXCEED 6% BY WEIGHT. THE COST OF LIME WILL BE PAID FOR UNDER ITEM AR155540.

THE SOIL TEST INDICATES AN AVERAGE SOIL WEIGHT OF 104.2 POUNDS PER CUBIC FOOT. THEREFORE, THE MAXIMUM TONNAGE OF LIME WILL BE 1,173 TONS.

A REAL TIME DRY DENSITY WILL BE ESTIMATED AT 94% OF THE EARTH PROCTOR.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH PROCTOR RESULTS SHOWING OPTIMUM DENSITY AND MOISTURE FOR THE LIME MODIFIED SUBGRADE.

THE PROPOSED LIME-MODIFIED SUBGRADE WILL BE PAID FOR UNDER ITEMS:
AR155616 SOIL PROCESSING-16" 31,277 S.Y.
AR155540 BY-PRODUCT LIME 1,173 TONS

AR209-CRUSHED AGGREGATE BASE COURSE NOTES

THE CRUSHED AGGREGATE BASE COURSE (209) SHALL BE PLACED IN ACCORDANCE WITH ITEM 209 "CRUSHED AGGREGATE BASE COURSE" AS STATED ON PAGE 45 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE CRUSHED AGGREGATE BASE COURSE MATERIAL (CA-6) WILL BE USED TO CONSTRUCT A BASE COURSE FOR THE PROPOSED PAVEMENT SECTION. THE CRUSHED AGGREGATE BASE COURSE MATERIAL WILL BE 6" IN DEPTH FOR A BITUMINOUS SECTION OR 5" IN DEPTH FOR A PCC SECTION, AND COMPACTED TO NOT LESS THAN 95 PERCENT DENSITY.

THE PROPOSED AGGREGATE FOR THE BASE COURSE MATERIAL SHALL MEET THE REQUIREMENTS OF GRADATION "B" IN TABLE 1 OF THE SUPPLEMENTAL SPECIFICATIONS.

209-3.2 EQUIPMENT. ADD THE FOLLOWING PARAGRAPHS TO THIS SECTION:

"PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR FURNISHING WATER AT THE PLANT AND AT THE SITE OF THE WORK BY EQUIPMENT OF AMPLE CAPACITY AND OF SUCH DESIGN AS TO ASSURE UNIFORM MIXING AND APPLICATION."

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER A PROCTOR CURVE SHOWING OPTIMUM DENSITY AND MOISTURE FOR THE SUPPLIED BASE COURSE MATERIAL PRIOR TO THE PLACEMENT OF THE MATERIAL.

THE COMPACTION CONTROL TEST TO BE USED SHALL BE FAA COMPACTION CONTROL TEST T-611 FOR AIRCRAFT WEIGHING LESS THAN 60,000 LBS.

209-4.1. DELETE THE FIFTH SENTENCE AND REPLACE IT WITH THE FOLLOWING:

"IF AT THE TIME THE AGGREGATES ARE WEIGHED THEY CONTAIN MORE THAN SIX (6) PERCENT OF ABSORBED AND FREE MOISTURE BY WEIGHT, A DEDUCTION FOR THE MOISTURE IN EXCESS OF THIS AMOUNT SHALL BE MADE IN DETERMINING THE PAY QUANTITY."

AR152-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 TURF 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 ADDITIONAL 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 DRY DENSITY.

