**DK052 TOTAL SHEETS - 23** 

# **CONSTRUCTION PLANS**

FOR

# **DEKALB TAYLOR MUNICIPAL AIRPORT**

DEKALB, DEKALB COUNTY, ILLINOIS DRAINAGE IMPROVEMENTS

# SCOPE OF WORK

THIS PROJECT CONSISTS OF DRAINAGE IMPROVEMENTS TO THE EAST FRONTAL AREA AND RUNWAY 20 RUNWAY SAFETY AREA.



**LOCATION** 

DKB-3923 ILL. PROJ.: A.I.P. PROJ.: 3-17-0139-B49 LATITUDE: 41° 55' 48" LONGITUDE: 88° 42' 48" 911.0' M.S.L. **ELEVATION:** 

AUGUST 23, 2010

DATE:

REVISED - 01/21/11

HAGLOCH 062-37821



JANUARY 21, 2011

NOVEMBER 30, 2011

CITY OF DEKALB

HANSON

DRAINAGE IMPROVEMENTS

LOCATION OF COUNTY



	DATE	REVISION	m
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DRAINAGE
IMPROVEMENTS
SUMMARY OF QUANTITIES
AND
INDEX TO SHEETS

2 of 23 sheets

	SUMMARY OF QUANTITIES			·
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	501	
AR156510	SILT FENCE	L.F.	1,600	
AR156511	DITCH CHECK	EA.	4	
AR156521	HEADWALL PROTECTION	EA.	1	
AR156540	RIPRAP	S.Y.	30	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	90	
AR701010	10" PVC STORM SEWER	L.F.	1,613	
AR701530	30" RCP, CLASS IV	L.F.	60	
AR701542	42" RCP, CLASS IV	L.F.	86	
AR701900	REMOVE PIPE	L.F.	146	
AR751540	MANHOLE 4'	EACH	1	
AR752430	PRECAST REINFORCED CONC. FES 30"	EACH	2	
AR752442	PRECAST REINFORCED CONC. FES 42"	EACH	2	
AR800152	EXPLORATOR TRENCH	L.F.	100	
AR800429	FIELD TILE TRACING	EACH	1	
AR800488	CONNECTION TO HEADWALL	EACH	1	
AR901510	SEEDING	ACRE	1.43	
AR908510	MULCHING	ACRE	1.43	

	INDEX TO SHEETS
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	SUMMARY OF QUANTITIES FOR DRAINAGE IMPROVEMENTS IN EAST FRONTAL AREA
5	PROPOSED CONSTRUCTION PLAN FOR EAST FRONTAL AREA
6	PROPOSED STORMWATER POLLUTION PREVENTION PLAN FOR EAST FRONTAL AREA
7	PROPOSED STORMWATER POLLUTION PREVENTION DETAILS
8	MISCELLANEOUS NOTES AND DETAILS
9	EAST FRONTAL AREA PLAN & PROFILE STA. 10+00 TO STA. 15+40
10	EAST FRONTAL AREA PLAN & PROFILE STA. 15+40 TO STA. 20+40
11	EAST FRONTAL AREA PLAN & PROFILE STA. 20+40 TO STA. 24+00
12	CROSS-SECTIONS FOR EAST FRONTAL AREA STA. 10+00 TO STA. 11+75
13	CROSS-SECTIONS FOR EAST FRONTAL AREA STA. 12+00 TO STA. 14+00
14	CROSS-SECTIONS FOR EAST FRONTAL AREA STA. 14+25 TO STA. 16+00
15	CROSS-SECTIONS FOR EAST FRONTAL AREA STA. 16+25 TO STA. 17+50
16	CROSS-SECTIONS FOR EAST FRONTAL AREA STA. 17+75 TO STA. 19+50
17	CROSS-SECTIONS FOR EAST FRONTAL AREA STA. 19+75 TO STA. 22+08
18	CROSS-SECTIONS FOR EAST FRONTAL AREA STA. 22+25 TO STA. 24+00
19	SUMMARY OF QUANTITIES FOR DRAINAGE IMPROVEMENTS IN RUNWAY 20 R.S.A.
20	PROPOSED CONSTRUCTION PLAN RUNWAY 20 R.S.A.
21	PROPOSED STORMWATER POLLUTION PREVENTION PLAN FOR RUNWAY 20 R.S.A.
22	PROPOSED PLAN & PROFILE RUNWAY 20 R.S.A.
23	EXISTING STAKING PLAN RUNWAY 20 R.S.A.

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY COMPLETENESS OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

### HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A CONCRETE

# HAUL ROUTE AND VEHICLE PARKING

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 200' X 200'. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL GRADE, FERTILIZE, SEED AND MULCH THE HAUL ROUTE AND PARKING AREA AS NEEDED TO RESTORE IT TO ITS' ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

# **CONTRACTOR RESPONSIBILITIES**

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THIS AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE THIS AREA.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.

THE CONTRACTOR SHALL KEEP ONE RUNWAY OPEN AT ALL TIMES AND MAINTAIN CONTINUOUS TAXIWAY ACCESS TO ALL HANGARS AND ADMINISTRATIVE AREAS.

ALL WORK PERFORMED SHALL BE DONE IN A ORDERLY AND EFFECTIVE MANNER TO MINIMIZE RUNWAY CLOSURE.

NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT.

NO RUNWAY SHALL BE CLOSED OVERNIGHT.

# **LEGEND**

EXISTING IMPROVEMENTS

PROPOSED IMPROVEMENTS



EXISTING BUILDINGS

PROPOSED BENCHMARK



PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA

PROPOSED BARRICADES OR TRAFFIC CONES

# SCOPE OF WORK

THIS PROJECT CONSISTS OF DRAINAGE IMPROVEMENTS TO THE EAST FRONTAL AREA AND RUNWAY 20 RUNWAY SAFETY AREA.

### AIRPORT SECURITY NOTE

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE GATE WILL REMAINED CLOSED AT ALL TIMES. THE CONTRACTOR WILL LOCK THE EXISTING GATE IN THE HAUL ROUTE AT THE END OF EACH WORKING DAY.

#### 150-ENGINEER'S FIELD OFFICE NOTES

THE CONTRACTOR WILL FURNISH A CELL PHONE TO THE RESIDENT ENGINEER FOR HIS EXCLUSIVE USE FOR THE DURATION OF THIS PROJECT. THE RESIDENT ENGINEER WILL USE THIS PHONE FOR PROJECT BUSINESS ONLY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CHARGES ASSOCIATED WITH THIS CELL PHONE.

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS: AR150510 ENGINEER'S FIELD OFFICE \_\_\_\_ 1 L.S.

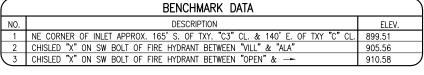
### CERTIFIED PAYROLLS

THE RESIDENT ENGINEER CANNOT FORWARD CONSTRUCTION REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

# MATERIAL CERTIFICATION

COMPLETED WORK CANNOT BE PLACED ON A CONSTRUCTION REPORT UNTIL

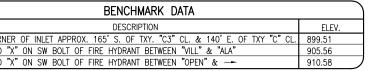
BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY-BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES,

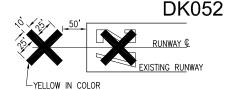


PROPOSED ACCESS ROAD

PROPOSED EQUIPMENT PARKING

PROPOSED DRAINAGE IMPROVEMENTS





# DETAIL OF CROSS FOR CLOSED RUNWAY "NOT TO SCALE"

# NOTE:

CRITICAL POINT NO. 2 -

COST OF CONSTRUCTING, PLACING, MAINTAINING AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CROSSES WILL BE YELLOW IN COLOR AND SHALL BE MADE OF A SUITABLE MATERIAL AS APPROVED BY THE AIRPORT MANAGER. THE CROSSES WILL BE PLACED OVER THE NUMERALS AND SECURED IN A MANNER APPROVED BY THE MANAGER. THE PROPOSED CROSSES WILL BE PLACED EACH DAY THE RUNWAY IS CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES.

# J.U.L.I.E. INFORMATION

COUNTY	.DEKALB
CITYI	DEKALB
TOWNSHIP	_CORTLAND
SECTION NO	_18 & 19
ADDRESS	DEKALB MUNICIPAL AIRPORT
	3232 EAST PLEASANT STREET
	DEKALB, ILLINOIS 60115
	815_756_7525

NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

# PROPOSED SAFETY PLAN

GENERAL - THE DEKALB TAYLOR MUNICIPAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING ONE RUNWAY. ANY TIME THE CONTRACTOR IS WORKING WITHIN 200' OF THE RUNWAY CENTERLINE THE RUNWAY WILL BE CLOSED. THE RUNWAY WILL BE CLOSED ONLY DURING THE CONSTRUCTION DAY. AT THE END OF EACH CONSTRUCTION DAY THE CONTRACTOR WILL SMOOTH GRADE ALL AREAS WITHIN THE SAFETY AREA TO THE SATISFACTION OF THE RESIDENT ENGINEER AND RE-OPEN THE RUNWAY. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAY WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

IDENTIFICATION - WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.70 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE DEKALB TAYLOR MUNICIPAL AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

LOCALIZER - THE AIRPORT MANAGER WILL BE RESPONSIBLE TO CONTACT FAA TO DE-ACTIVATE AND ACTIVATE THE LOCALIAER. THE LOCALIZER WILL BE DE-ACTIVATED WHEN THE CONTRACTOR IS WORKING IN FRONT OF THE LOCALIZER WHEN WORK HAS STOPPED FOR THE CONSTRUCTION DAY OR WEEKEND THE LOCALIZER WILL BE RE-ACTIVATED.

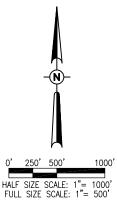
#### **EROSION CONTROL**

THIS PROJECT WILL DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE A N.P.D.E.S. PERMIT WILL BE REQUIRED.

#### CRITICAL POINT DATA

POINT NO. 1 LATITUDE: 41° 55' 58.93" LONGITUDE: 88° 42' 31.37" ELEVATION: 900.0 M.S.L.

POINT NO. 2 LATITUDE: 41° 56' 50.34" LONGITUDF: 88' 41' 47.61' ELEVATION: 887.0 M.S.L.

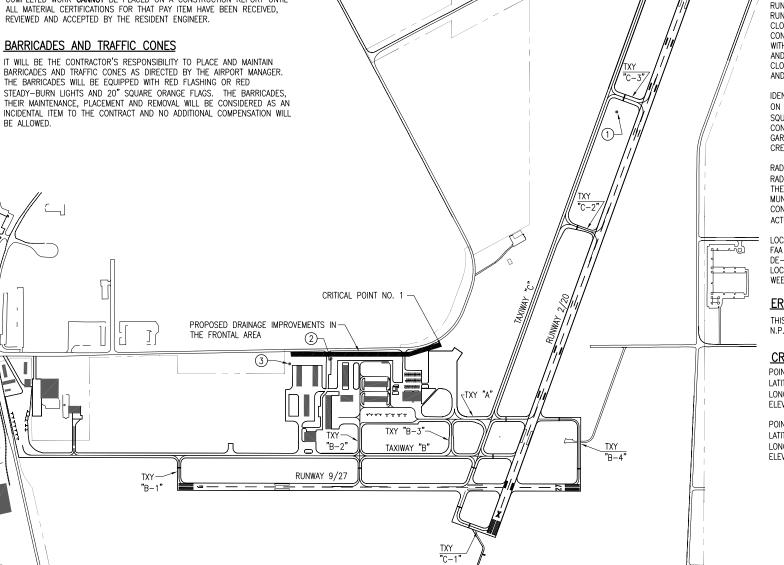




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1"= 500' 04/09/09	CAH	BAK	-140
1"=	L	Z	6



DRAINAGE IMPROVEMENTS



# DRAINAGE IMPROVEMENTS IN EAST FRONTAL AREA

	SUMMARY OF QUANTITIES							
ITEM NO.	DESCRIPTION	UNIT	TOTAL	AS BUILT QUANTITIES				
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	501					
AR156511	DITCH CHECK	EA.	3					
AR156521	HEADWALL PROTECTION	EA.	1					
AR156540	RIPRAP	S.Y.	30					
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	90					
AR701530	30" RCP, CLASS IV	L.F.	60					
AR701542	42" RCP, CLASS IV	L.F.	86					
AR701900	REMOVE PIPE	L.F.	146					
AR752430	PRECAST REINFORCED CONC. FES 30"	EACH	2					
AR752442	PRECAST REINFORCED CONC. FES 42"	EACH	2					
AR901510	SEEDING	ACRE	0.5					
AR908510	MULCHING	ACRE	0.5					

DATE REVISION BY



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State N/A
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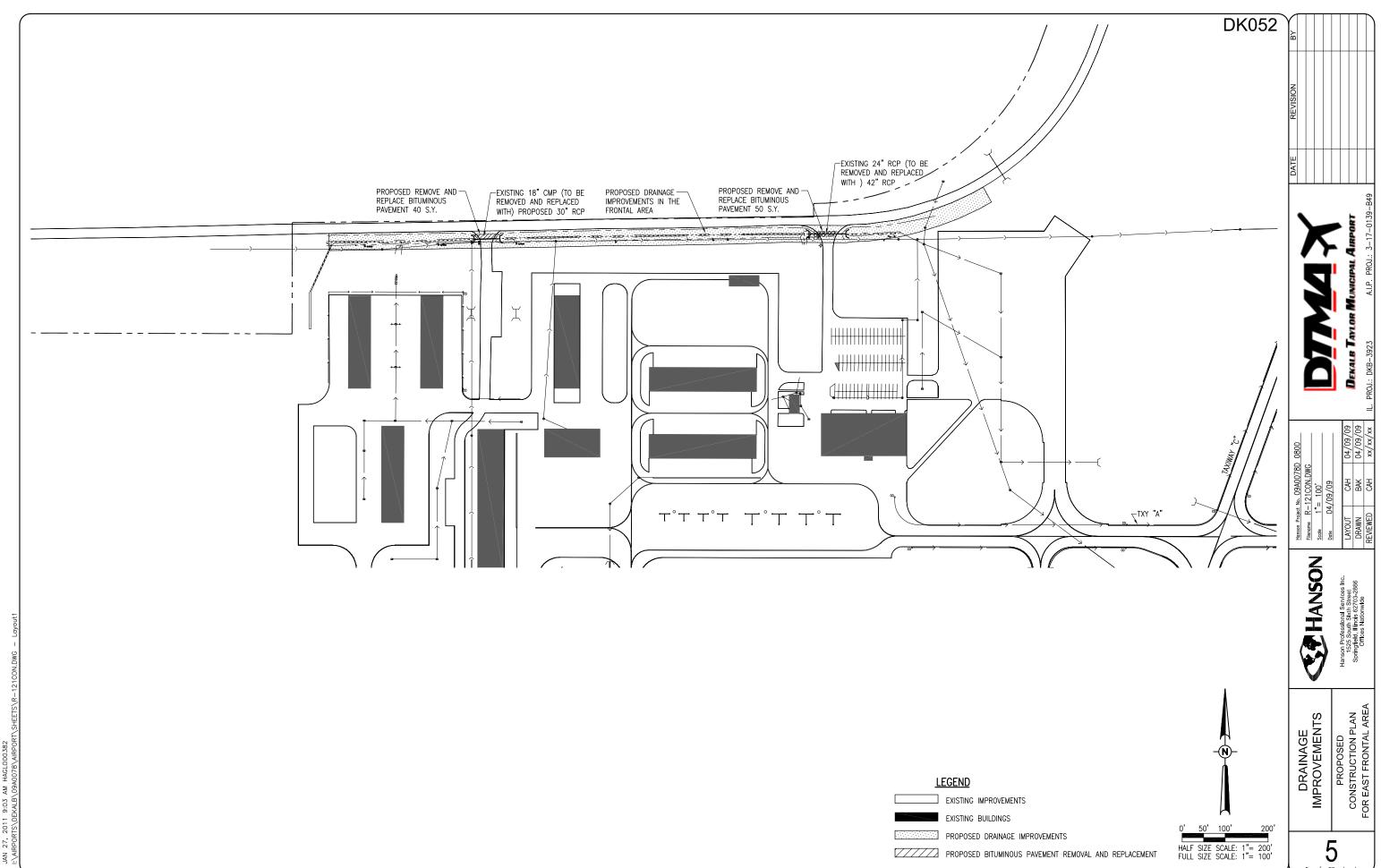


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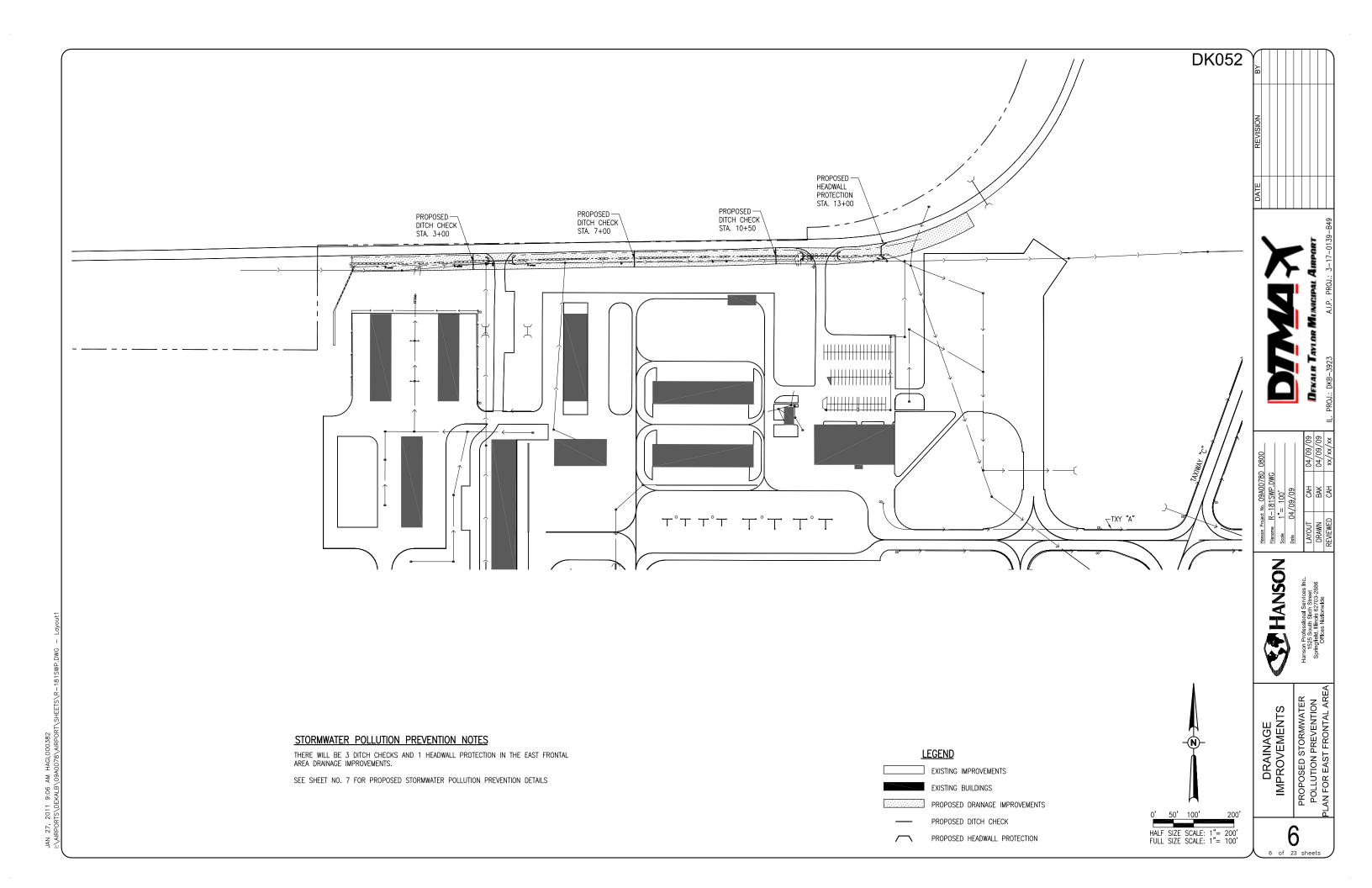
DRAINAGE ROVEMENTS

UMMARY OF QUANT

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# **EROSION CONTROL NOTES**

ALL PROPOSED EROSION CONTROL MEASURES SHALL BE COMPLETED AS DETAILED ON THE EROSION CONTROL PLAN AND IN ACCORDANCE WITH THE SPECIFICATIONS.

EROSION CONTROL MEASURES ARE GOVERNED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL.

FILTER FENCE FOR STRUCTURE PROTECTION AS SHOWN ON THE PROPOSED STORMWATER POLLUTION PREVENTION PLAN SHEETS.

THE PROPOSED INLET PROTECTION WILL BE PLACED AT THE LOCATIONS SHOWN ON THE PROPOSED STORMWATER POLLUTION PREVENTION PLAN SHEETS.

INSPECTION OF THE INLET PROTECTION SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

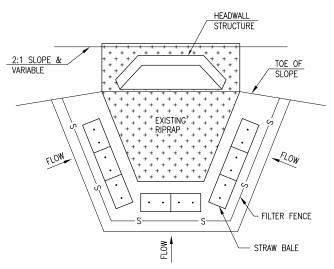
EROSION CONTROL FENCE SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER DRAINAGE

COST OF REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM AR156510 SILT FENCE.

INLET PROTECTION IS TO INCLUDE ALL INCIDENTALS NECESSARY TO CONSTRUCT THESE ITEMS AND WILL BE PAID FOR UNDER ITEM: AR156520 INLET PROTECTION.

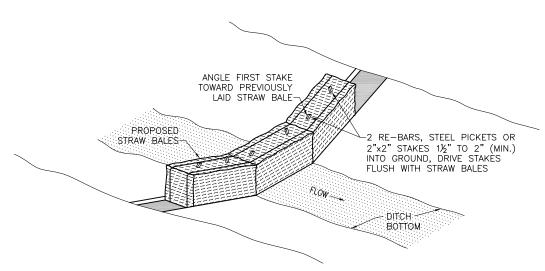
THE PROPOSED DITCH CHECKS IS TO INCLUDE ALL INCIDENTALS NECESSARY TO CONSTRUCT THESE ITEMS AND WILL BE PAID FOR UNDER ITEM: AR156511 DITCH CHECKS.

THE PROPOSED DITCH CHECKS WILL BE PLACED AT THE LOCATIONS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN SHEETS.



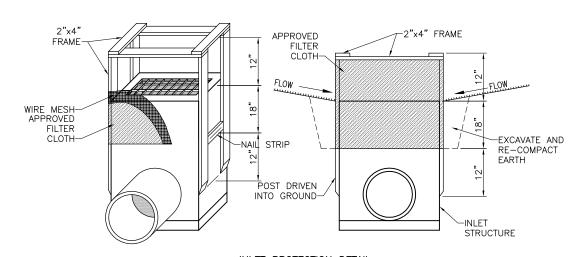
HEADWALL STRUCTURE PROTECTION

"NOT TO SCALE"

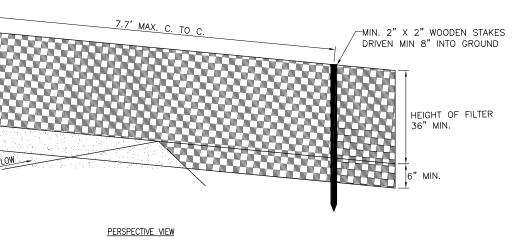


DITCH CHECK DETAIL

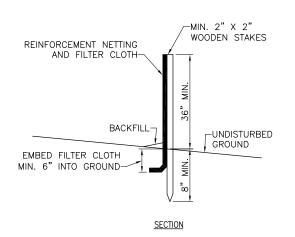
"NOT TO SCALE"



INLET PROTECTION DETAIL
"NOT TO SCALE"



FILTER FENCE DETAIL
"NOT TO SCALE"



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HANSON Flerone Scote

Hanson Professional Services Inc 1825 South Sixth Street Springfield, Illinois 62703-2886

DRAINAGE
IMPROVEMENTS
PROPOSED
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### REMOVE & REPLACE BITUMINOUS PAVEMENT

IN ORDER TO REMOVE THE EXISTING DRAINAGE PIPES AND INSTALL THE PROPOSED DRAINAGE PIPES THE CONTRACTOR MUST FIRST REMOVE THE EXISTING PAVEMENT AND AFTER THE PROPOSED PIPES HAVE BEEN INSTALLED, REPLACE THE PAVEMENT.

THE AREA DESIGNATED AS ON THE CONSTRUCTION SHEETS WITHIN THESE PLANS WILL HAVE THE EXISTING PAVEMENT REMOVED (FULL DEPTH) TO THE EARTH SUBGRADE. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT. THE WIDTH OF THE REMOVAL AREA IS TEN

WHERE THE PROPOSED REMOVAL AREA ABUTTS THE EXISTING PAVEMENT, THE PAVEMENT WILL BE SAWED FULL DEPTH. THE SAWING WILL BE CONSIDERED AS PART OF THE PROPOSED PAVEMENT REMOVAL AND NO ADDITIONAL

THE EXISTING PAVEMENT CONFIGURATION FOR THE T-HANGAR AREA ACCESS ROAD IS 3" BITUMINOUS PAVEMENT, 6" CRUSHED AGGREGATE BASE COURSE, 8" OVERSIZE AGGREGATE. THE CONFIGURATION FOR THE TERMINAL AREA ACCESS ROAD IS 6" BITUMINOUS PAVEMENT.

THE PROPOSED PAVEMENT CONFIGURATION FOR BOTH ACCESS ROADS WILL CONSIST OF 4" BITUMINOUS PAVEMENT ON 6" CRUSHED AGGREGATE BASE COURSE (CA-6).

THE BITUMINOUS SURFACE COURSE SHALL BE AN IDOT HIGHWAY MIX, APPROVED BY THE DIVISION OF AERONAUTICS (IDA) AND SUITABLE AS PATCHING MATERIAL. AN AVERAGE OF TWO (2) NUCLEAR DENSITY TESTS PER LIFT WILL BE REQUIRED FOR ACCEPTANCE TESTING. THE AVERAGE OF THESE TWO (2) TESTS MUST BE ABOVE 90% FOR ACCEPTANCE. THE FINAL LIFT OF SURFACE COURSE SHALL BE INSTALLED FLUSH WITH THE EXISTING ADJACENT PAVEMENT.

THE BITUMINOUS SURFACE COURSE WILL BE INSTALLED AS PER THE STANDARD SPECIFICATIONS EXCEPT AS STATED IN THESE PLANS. THE REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT; PROVIDING AND INSTALLING THESE MATERIALS TO GRADE IS CONSIDERED PART OF THIS PAY ITEM AND NO OTHER COMPENSATION WILL BE ALLOWED.

THE REMOVAL AND REPLACEMENT OF BITUMINOUS PAVEMENT WILL BE PAID FOR LINDER ITEM:

AR401910 "REMOVE & REPLACE BITUMINOUS PAVEMENT" --- 90 SQ. YDS.

# 156540-RIPRAP NOTES

THE PROPOSED RIPRAP SHALL BE PLACED IN ACCORDANCE WITH ITEM AR156540 "RIPRAP" AS STATED ON PAGE 80 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED NOVEMBER 2,

THE PROPOSED RIPRAP WILL BE GRADATION NO. 4 AND PLACED TO THE DIMENSIONS AS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS

A FILTER FABRIC WILL BE REQUIRED UNDER THE STONE RIPRAP. THE FILTER FABRIC MATERIAL WILL BE IN ACCORDANCE WITH THE REQUIREMENTS AS STATED ON PAGE 80 FOR A GRADATION 4 & 5 RIPRAP STONE. THE FILTER FABRIC WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE RIPRAP AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE PROPOSED RIPRAP WILL BE PAID FOR UNDER ITEM: AR156540 "RIPRAP" - PER S.Y.

### 901 SEEDING NOTES

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AS STATED ON PAGE 324 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED NOVEMBER 2.

ALL DISTURBED AREAS LOCATED WITHIN THE PROPOSED GRADING AND SEEDING LIMITS WILL BE SEEDED IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATION. ALL AREAS OUTSIDE THE DESIGNATED GRADING AND SEEDING LIMITS WILL ALSO BE SEEDED BUT AT THE CONTRACTOR'S OWN EXPENSE

901-3.4 MAINTENANCE OF SEEDED AREAS. DELETE THE SECOND PARAGRAPH OF THIS SECTION AND ADD THE

"THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE ENGINEER AND OWNER. THE TURF SHALL NOT CONTAIN RUTS, GULLIES OR UNDULATIONS. IF AT THE TIME WHEN THE CONTRACT HAS BEEN OTHERWISE COMPLETED, IT IS NOT POSSIBLE TO MAKE AN ADEQUATE DETERMINATION OF COLOR, DENSITY, AND UNIFORMITY OF SUCH STAND OF GRASS, THE ITEM OF WORK WILL BE REVIEWED AT A LATER DATE DETERMINED BY THE ILLINOIS DIVISION OF AERONAUTICS."

DATE SEEDING COMPLETED

THE PROPOSED SEEDING WILL BE PAID FOR UNDER ITEMS: AR901510 "SEEDING" - PER ACRE

#### 908 MULCHING NOTES

THE PROPOSED MULCHING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 908 "MULCHING" AS STATED ON PAGE 334 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED NOVEMBER 2,

THIS ITEM SHALL CONSIST OF THE FURNISHING, TRANSPORTING, AND PLACING MULCH OVER THE SEEDED AREA. DISTURBED AREAS OUTSIDE THE GRADING LIMITS SHALL ALSO BE MULCHED AND PARTICIPATION WILL BE THE SAME

908-2.1 MULCH MATERIAL: THE CONTRACTOR MAY EITHER FURNISH STRAW OR HYDROMULCH AS THE TYPE OF MULCH MATERIAL TO BE USED ON THIS PROJECT.

908-3.1 MULCHING: THE HYDRAULIC MULCH SHALL BE APPLIED AS A SLURRY OF 2,500 POUNDS OF MULCH AND NOT LESS THAN 2,500 GALLONS OF WATER PER ACRE.

908-3.4 STRUCTURE CLEANING: AFTER THE PROPOSED MULCH HAS BEEN APPLIED, THE CONTRACTOR WILL CLEAN THE MULCH OFF ALL STRUCTURES (DRAINAGE, ELECTRICAL, LIGHTS, ETC.).

DATE MULCHING COMPLETED\_

THE PROPOSED MULCHING WILL BE PAID FOR UNDER ITEMS: AR908510 "MULCHING" - PER ACRE

#### MAIL BOX NOTE

THERE IS A MAIL BOX LOCATED AT BOTH ACCESS ROADS. THE CONTRACTOR WILL MAKE EVER EFFORT TO LEAVE THESE MAIL BOXES IN PLACE THROUGHOUT THE PROPOSED CONSTRUCTION. IF IT BECOMES NECESSARY TO REMOVE THEM, THEN THE CONTRACTOR WILL REMOVE, STORE AND REPLACE THEM AS THEY WERE PRIOR TO THE PROPOSED CONSTRUCTION ACTIVITIES. THE REMOVAL, STORAGE AND REPLACEMENT OF THESE MAIL BOXES WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

# 152410-UNCLASSIFIED EXCAVATION NOTES:

THE PROPOSED UNCLASSIFIED EXCAVATION SHALL BE PLACED IN ACCORDANCE WITH ITEM 152 "EXCAVATION AND EMBANKMENT" AS STATED ON PAGE 58 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED NOVEMBER 2, 2009.

THE PROPOSED UNCLASSIFIED EXCAVATION SHALL CONSIST OF THE RE-GRADING OF THE EXISTING DITCH ALONG THE SIDE OF PLEASANT STREET AS INDICATED ON THESE CONSTRUCTION PLANS.

THE UNCLASSIFIED EXCAVATED MATERIAL WILL BE OFFERED TO THE AIRPORT FIRST. IF THEY WANT THE MATERIAL THE CONTRACTOR WILL DUMP THE MATERIAL IN THE LOCATION DESIGNATED BY THE AIRPORT MANAGER. IF THE AIRPORT DOESN'T WANT THE MATERIAL, THEN THE CONTRACTOR WILL DISPOSE OF THE MATERIAL OFF THE AIRPORT

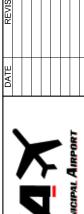
THE RE-GRADED AREA WILL ONLY REQUIRE "LIGHT COMPACTION" TO THE SATISFACTION OF THE RESIDENT ENGINEER.

THE EXISTING RIPRAP THAT IS LOCATED WITHIN THE GRADING LIMITS WILL BE REMOVED AND DISPOSED OF AS UNCLASSIFIED EXCAVATED MATERIAL.

ALL EARTHWORK WILL BE CLASSIFIED AS "UNCLASSIFIED EXCAVATION".

THE PROPOSED UNCLASSIFIED EXCAVATION WILL BE PAID FOR UNDER ITEM: AR152410 UNCLASSIFIED EXCAVATION \_\_\_\_ PER C.Y.

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DRAINAGE IMPROVEMENTS MISCELLANEOUS NOTES AND DETAIL

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TO 32" D (CIRCULAR) \_ \_ EXISTING SEWER OR NEW SEWER

\_VAR.\_\_

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ALT. MATERIAL FOR WALLS С PRECAST REINFORCED CONC. RINGS 4' 2'-6" 2'-6" MONOLITHIC CONCRETE 4'

EITHER STRUCTURAL P.C. CONCRETE (PLAIN) OR PRECAST REINFÓRCED CONCRETE SLABS NOT LESS THAN 12" WIDE AND POROUS BACKFILL NO.1 MATERIAL SHALL CONFORM TO THE REQUIREMENTS FOR IDOT CA-14 OR CA-16.

MANHOLE TYPE A NOT TO SCALE

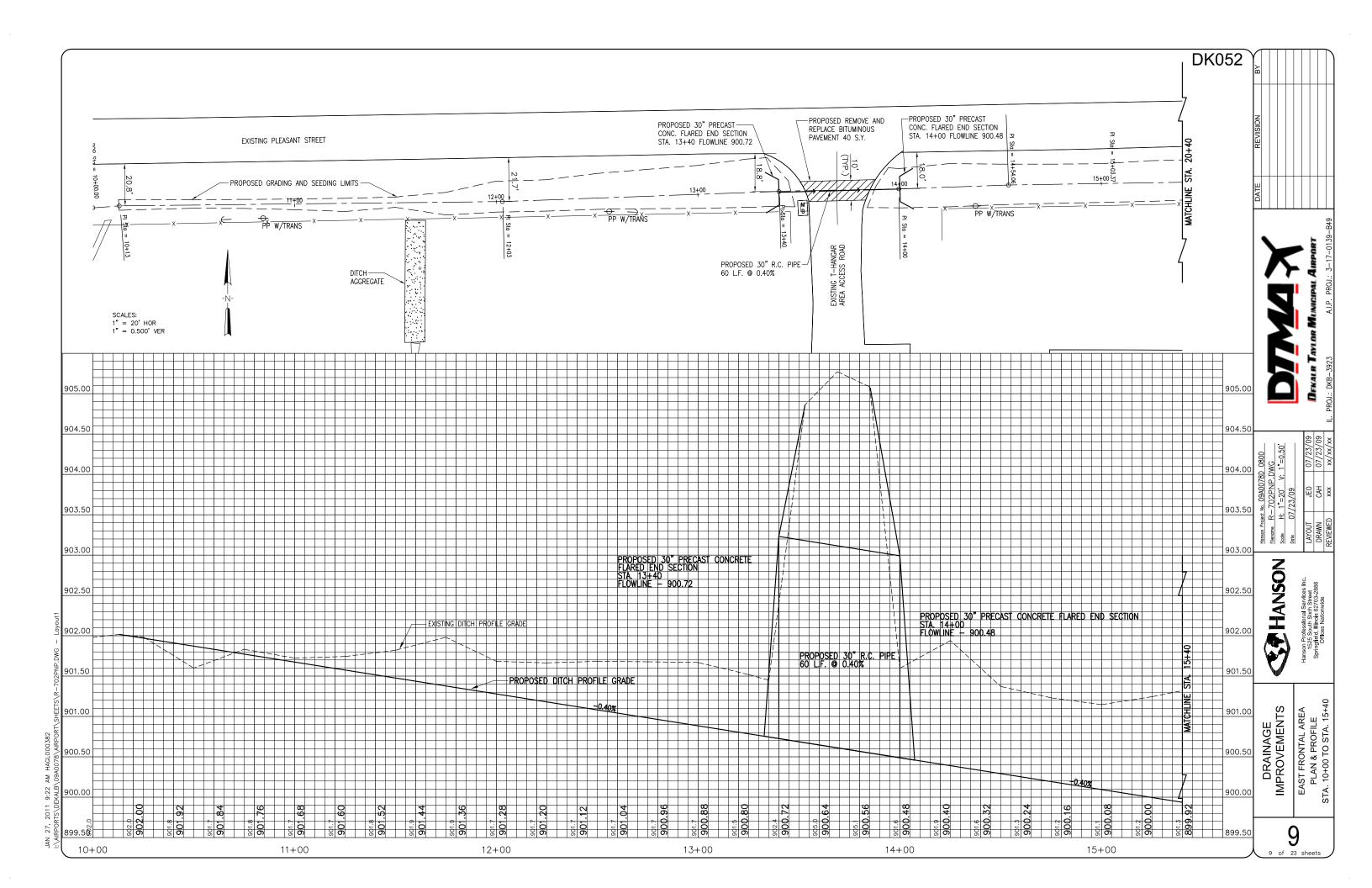
D (CIRCULAR) STRUCTURAL P.C. CONCRETE (PLAIN)

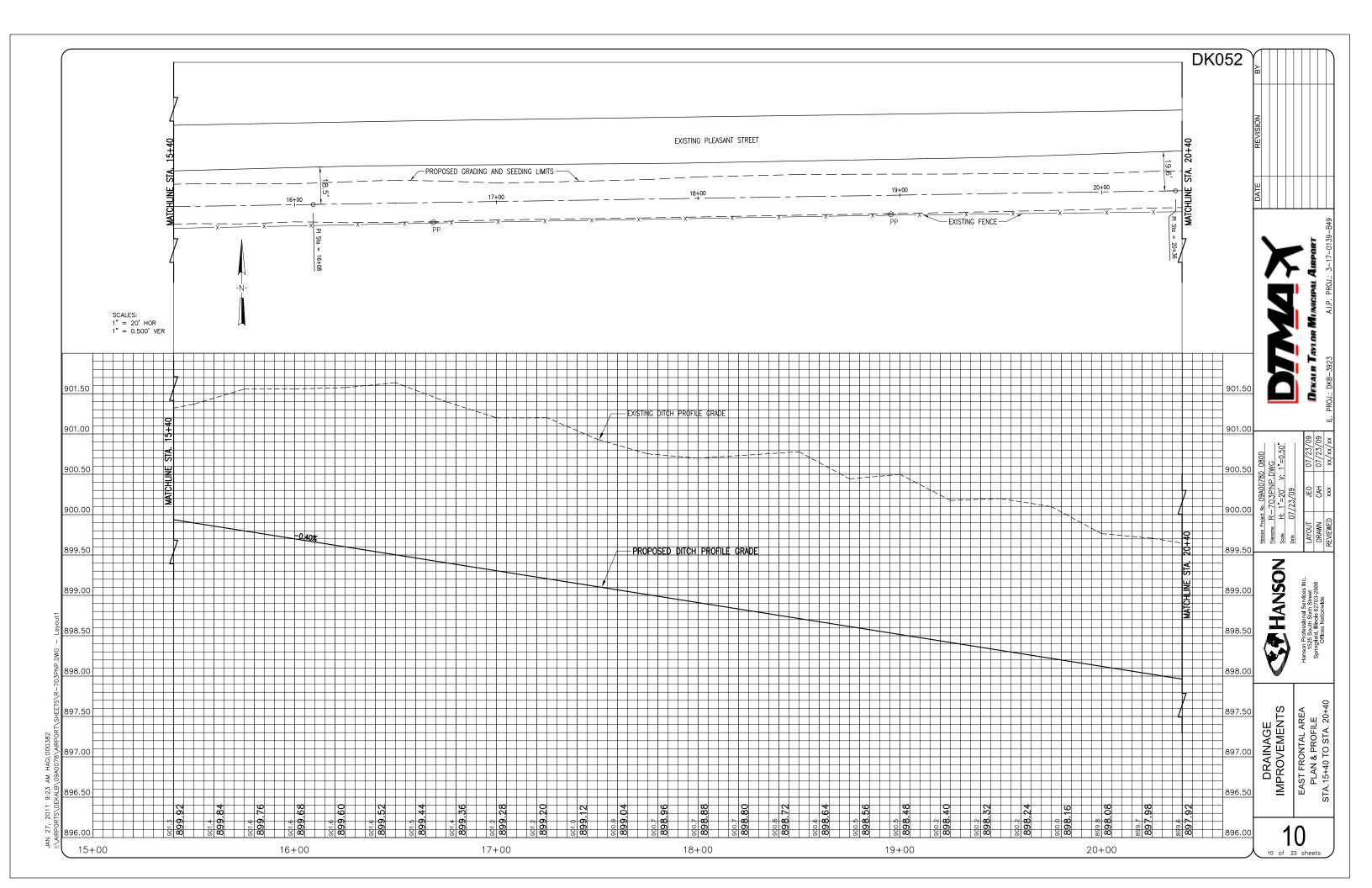
STEPS AT 12" TO 16" CTR.

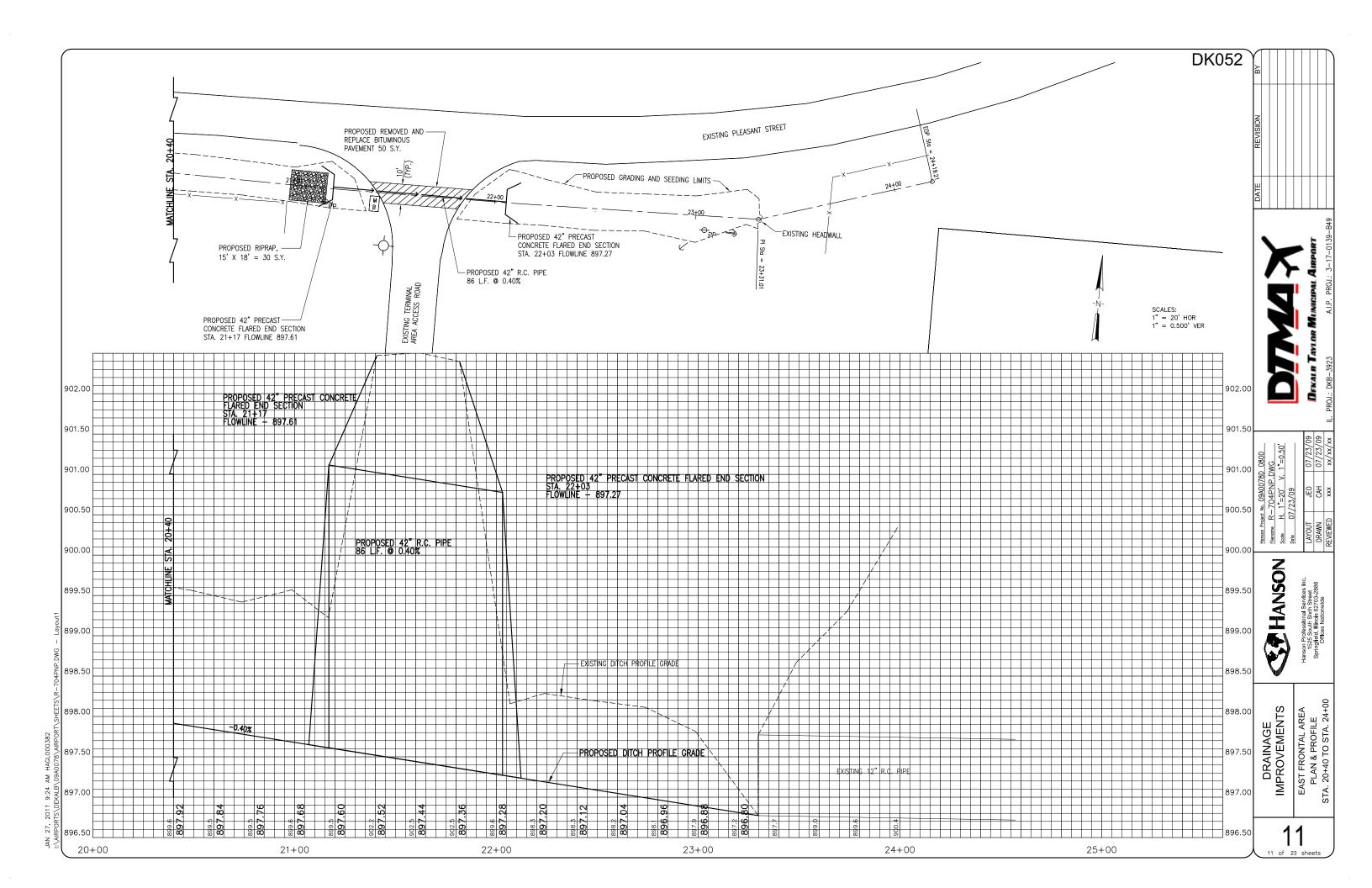
CAST IRON STEPS SHALL BE NEENAH R-1980-1, DEETER 16/3,

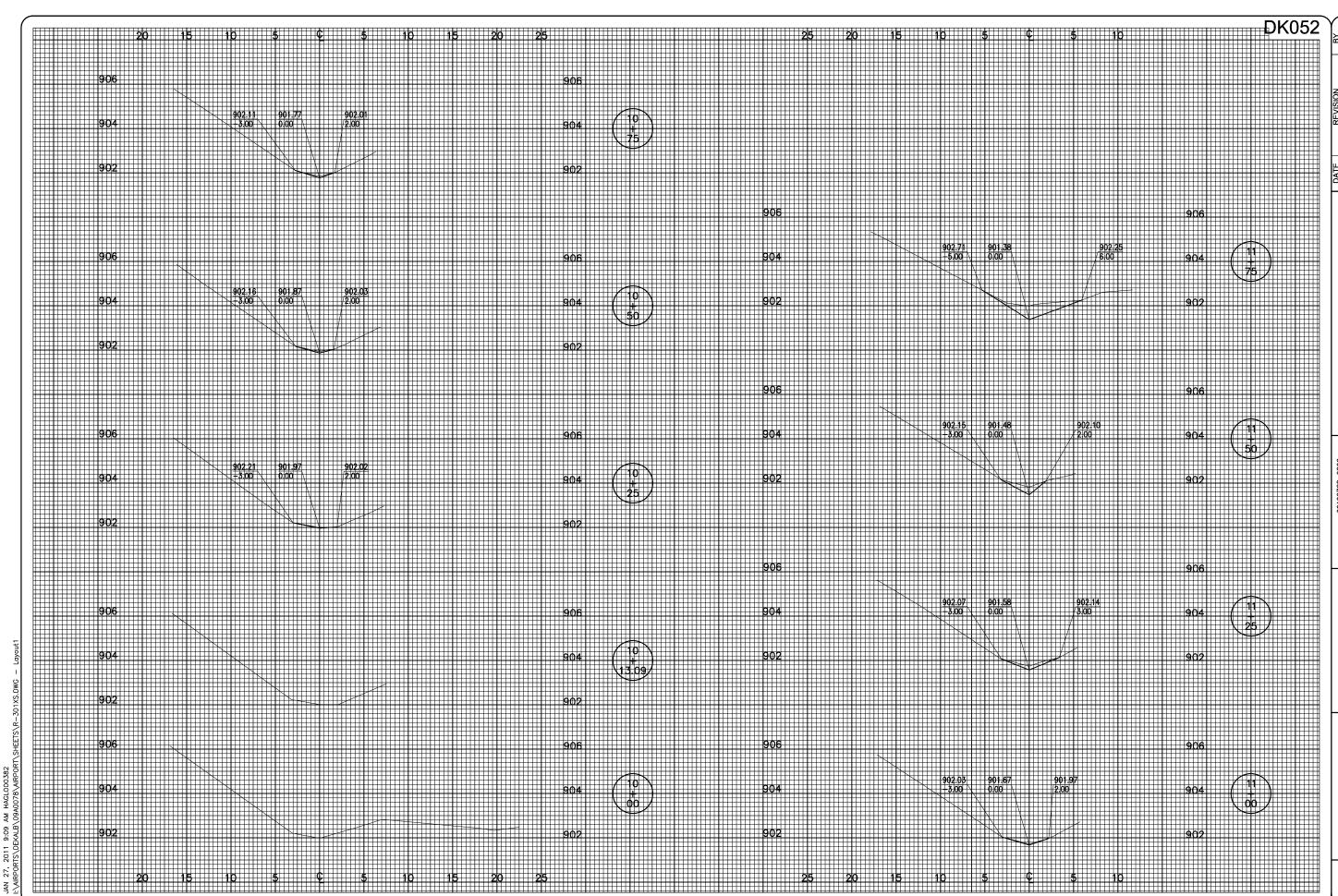
FAST JORDAN 8502 OR FQUAL. THE CONTRACT UNIT PRICE FOR MANHOLE HOLE TYPE A, SHALL INCLUDE THE FRAME AND LID.

THE CONE OF THE MANHOLE SHALL BE CONSTRUCTED AS SHOWN BY THE DOTTED LINES.

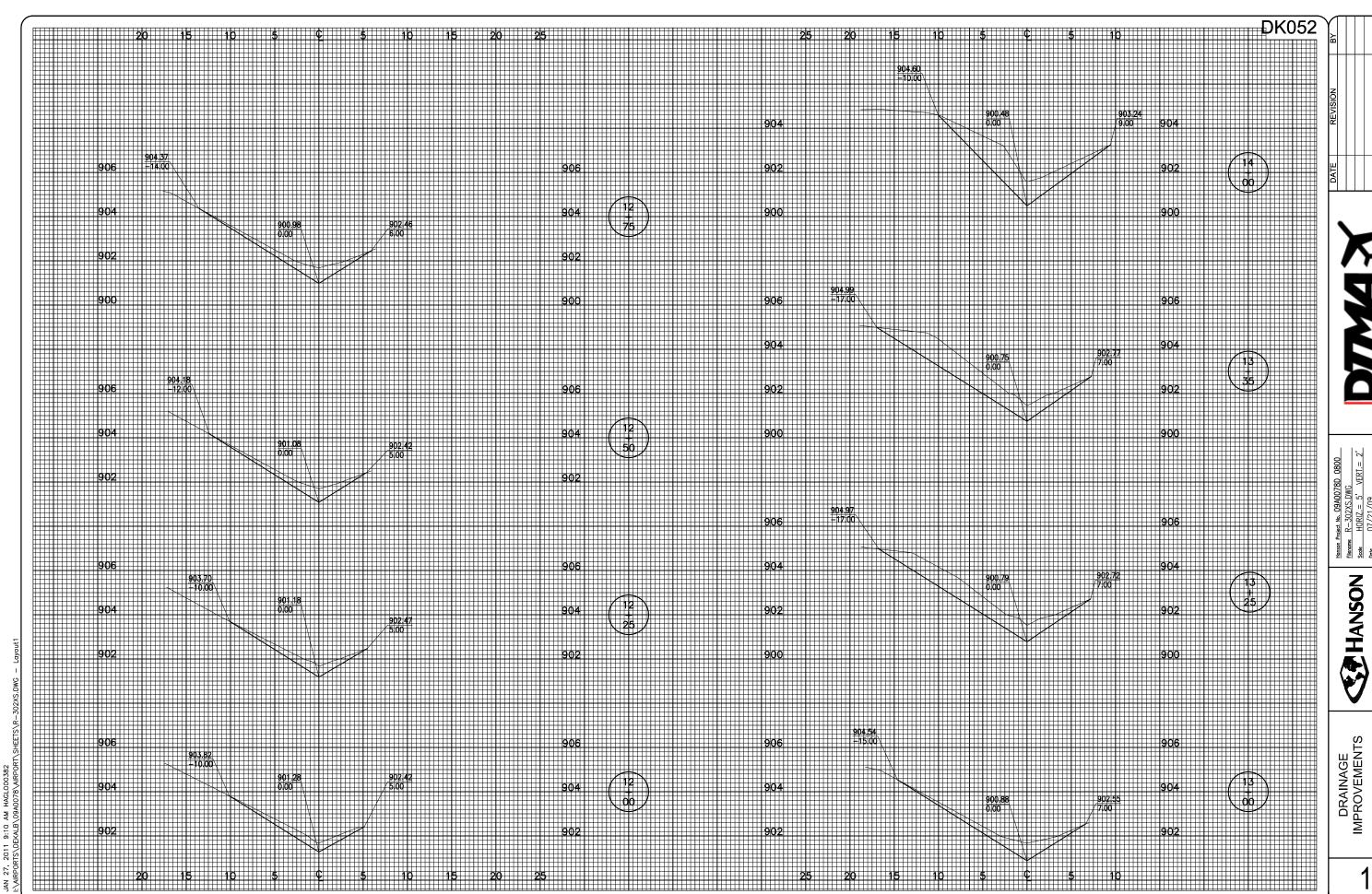


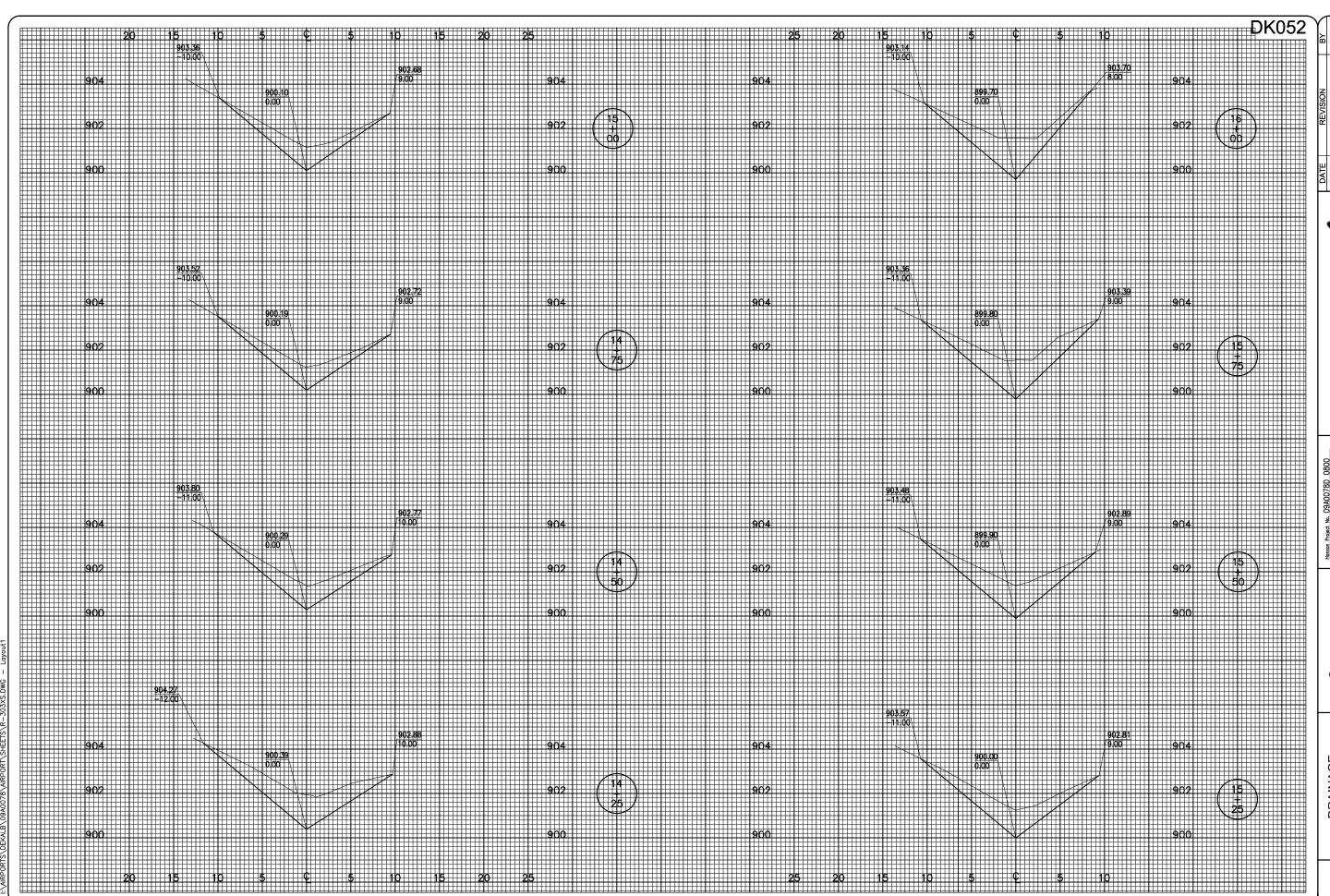




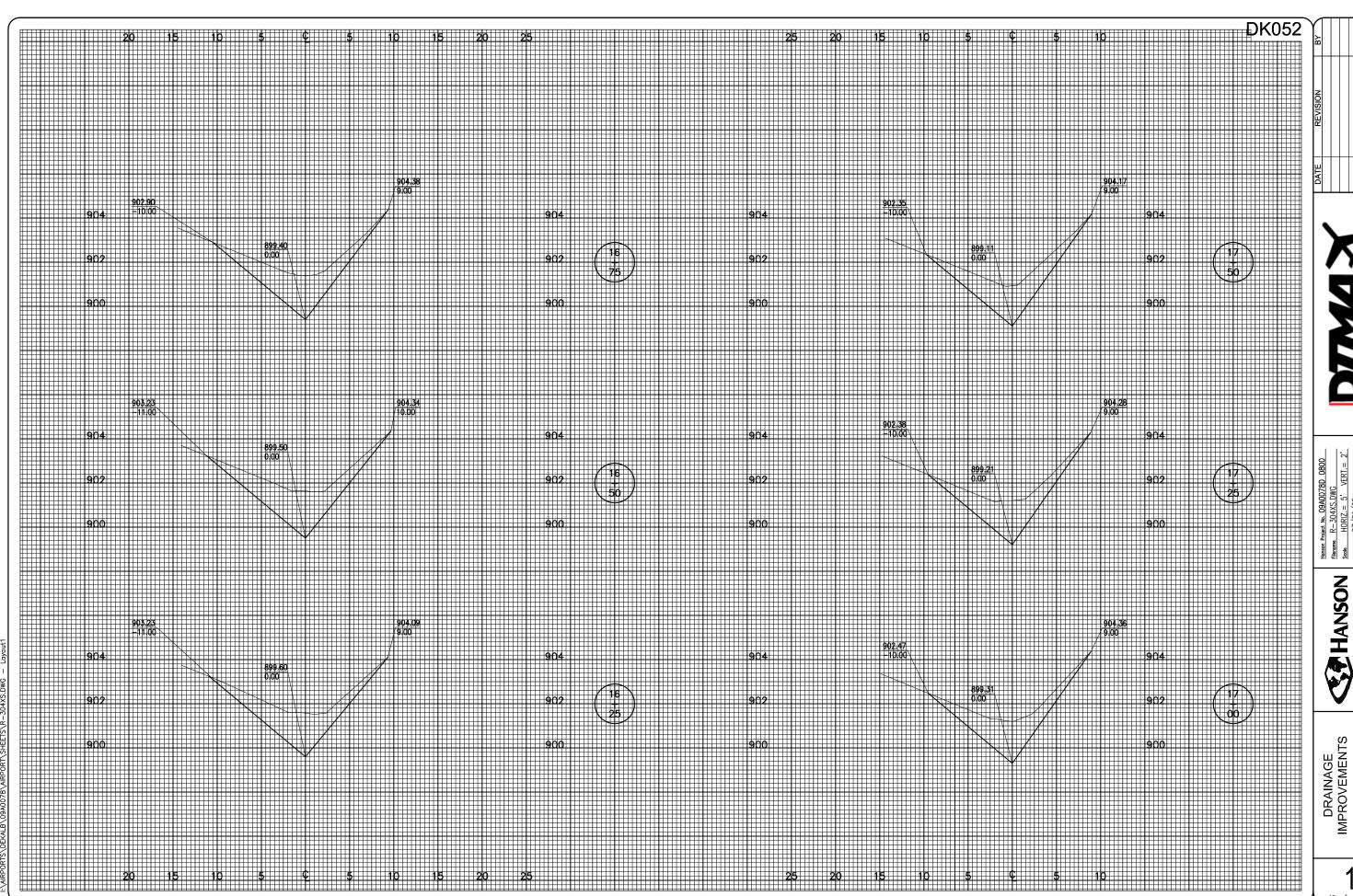


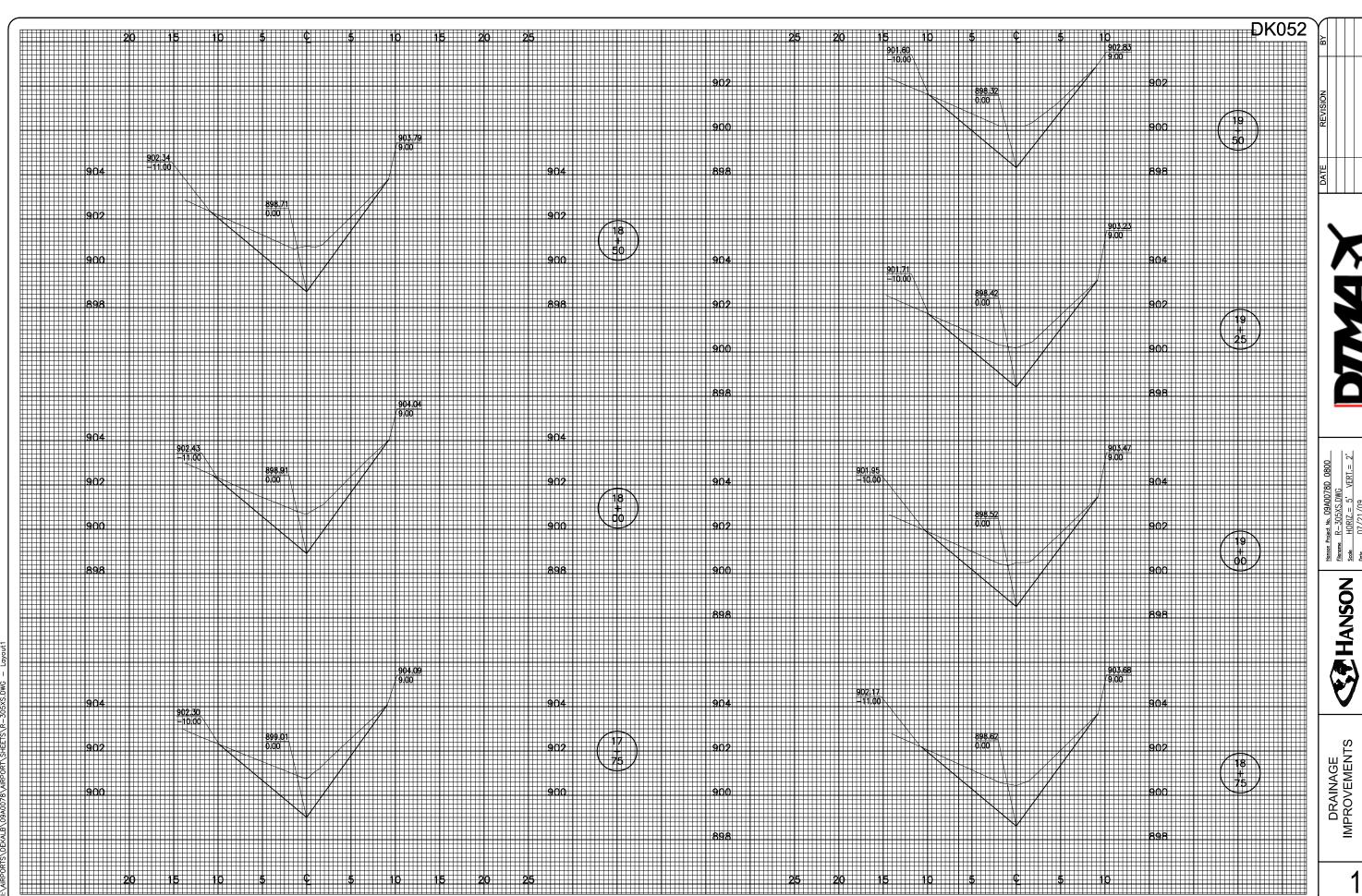
DRAINAGE IMPROVEMENTS

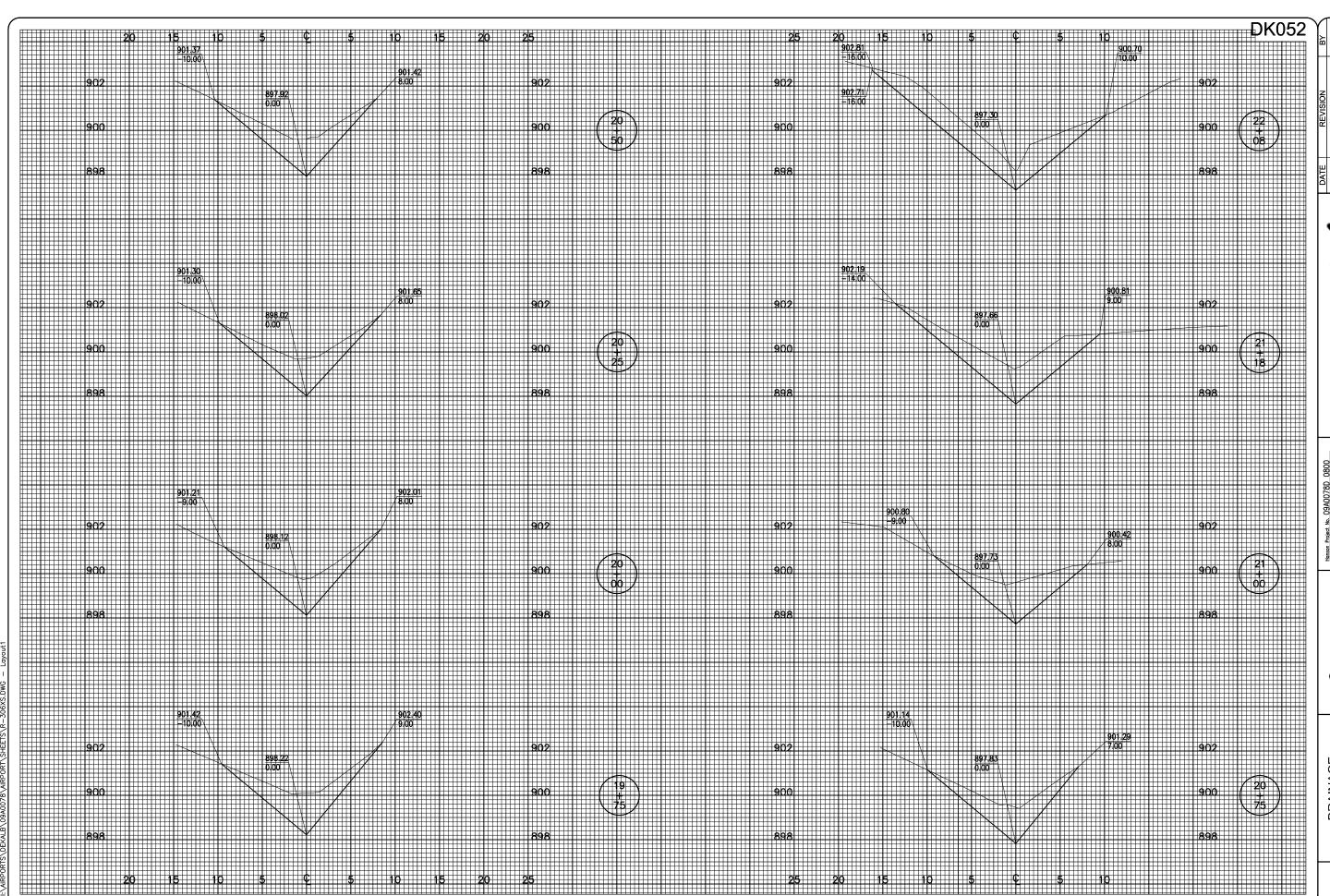




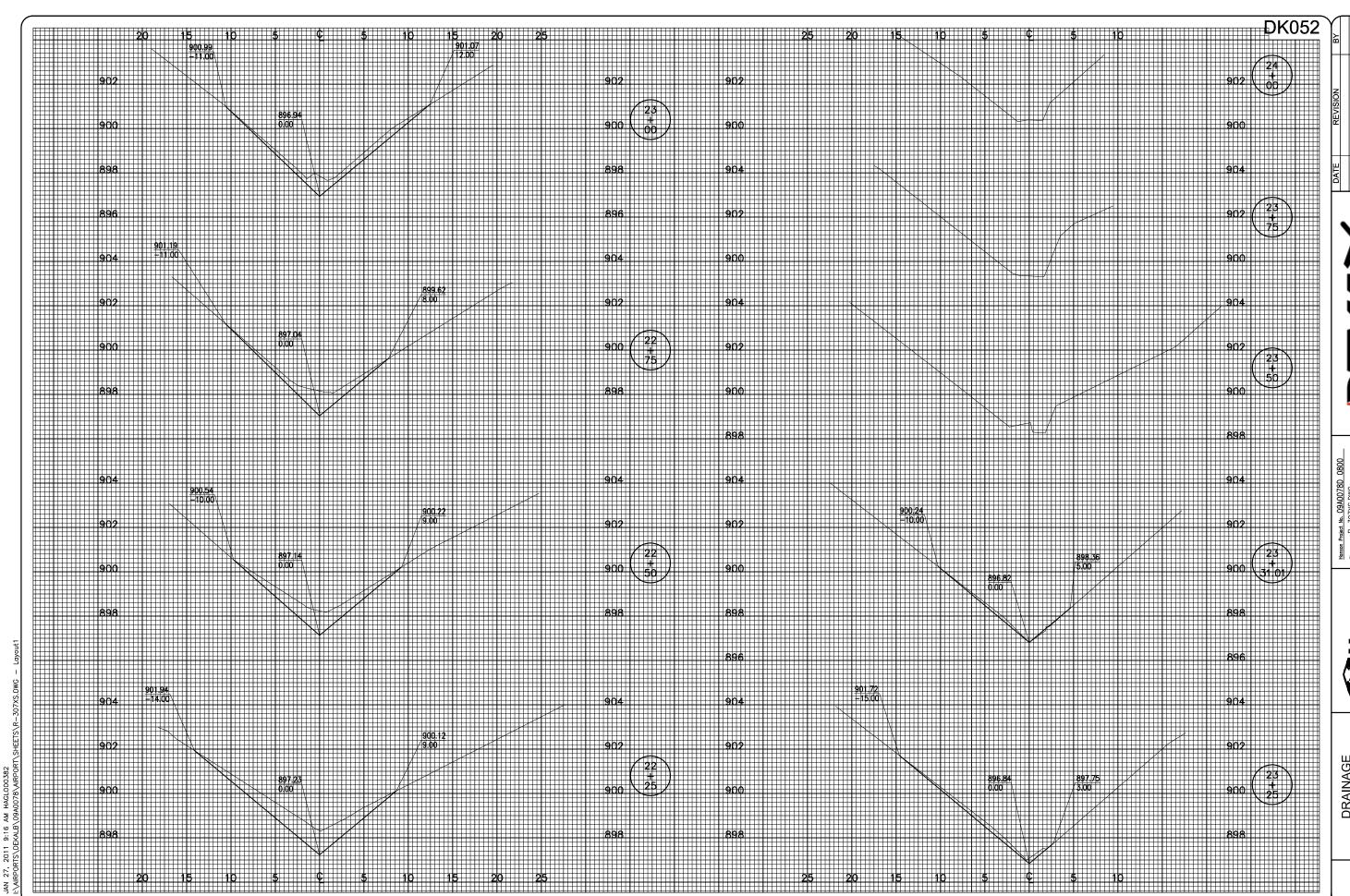
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DRAINAGE IMPROVEMENTS



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Hanson Professional Services Inc.

AGE
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DRAINAGE IMPROVEMENTS

CROSS-SECTION EAST FRONTAL

18

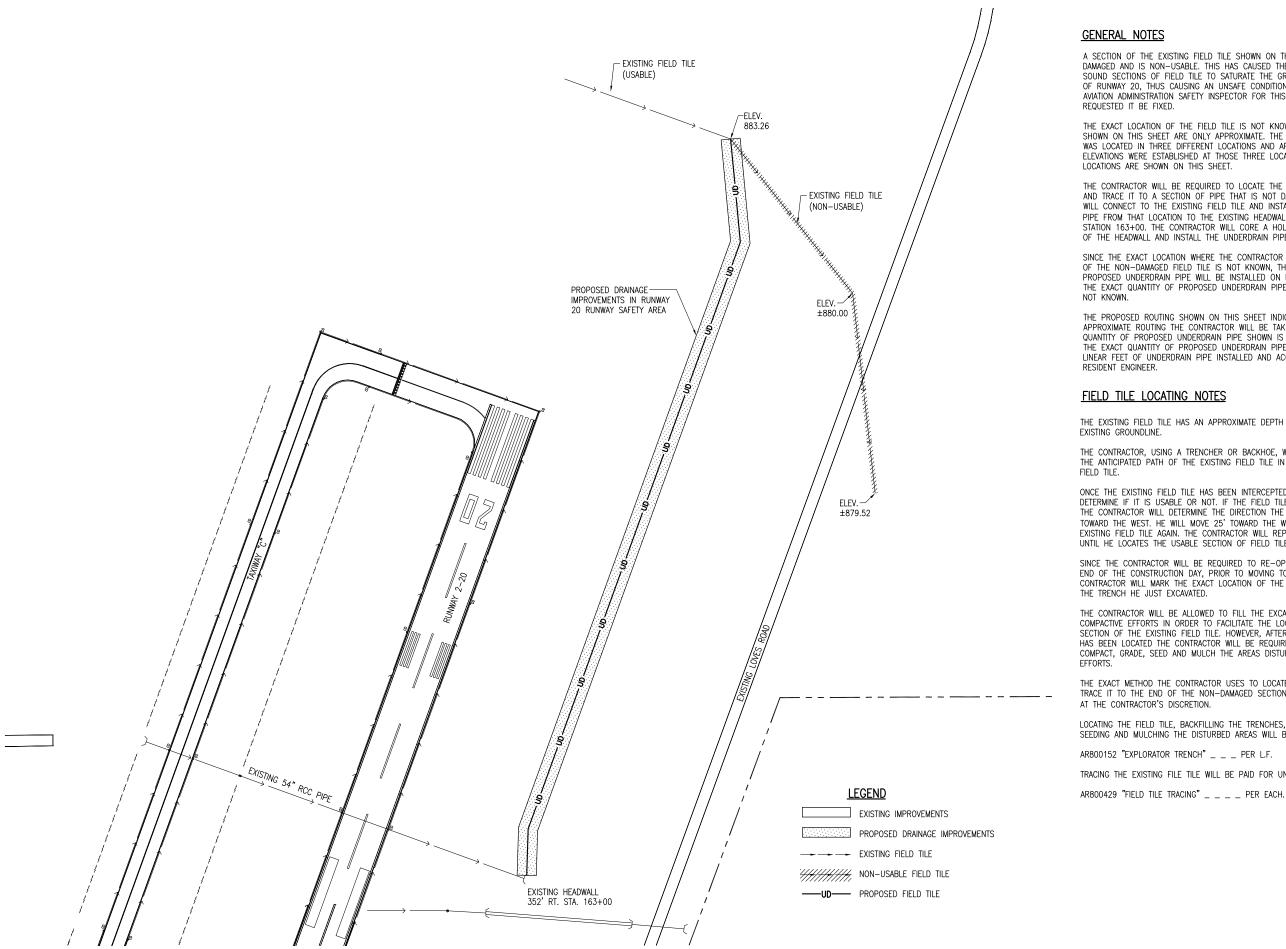
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DRAINAGE IMPROVEMENTS IN RUNWAY 20 RUNWAY SAFETY AREA

	SUMMARY OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR156510	SILT FENCE	L.F.	1,600	
AR156511	DITCH CHECK	EACH	1	
AR701010	10" PVC STORM SEWER	L.F.	1,613	
AR751540	MANHOLE 4'	EACH	1	
AR800152	EXPLORATOR TRENCH	L.F.	100	
AR800429	FIELD TILE TRACING	EACH	1	
AR800488	CONNECTION TO HEADWALL	EACH	1	
AR901510	SEEDING	ACRE	0.93	
AR908510	MULCHING	ACRE	0.93	



A SECTION OF THE EXISTING FIELD TILE SHOWN ON THIS SHEET HAS BEEN DAMAGED AND IS NON-USABLE. THIS HAS CAUSED THE WATER IN THE SOUND SECTIONS OF FIELD TILE TO SATURATE THE GROUND OFF THE END OF RUNWAY 20, THUS CAUSING AN UNSAFE CONDITION AND THE FEDERAL AVIATION ADMINISTRATION SAFETY INSPECTOR FOR THIS AIRPORT HAS

THE EXACT LOCATION OF THE FIELD TILE IS NOT KNOWN. THE LOCATIONS SHOWN ON THIS SHEET ARE ONLY APPROXIMATE. THE EXISTING FIELD TILE WAS LOCATED IN THREE DIFFERENT LOCATIONS AND APPROXIMATE ELEVATIONS WERE ESTABLISHED AT THOSE THREE LOCATIONS. ALL THREE

THE CONTRACTOR WILL BE REQUIRED TO LOCATE THE EXISTING FIELD TILE AND TRACE IT TO A SECTION OF PIPE THAT IS NOT DAMAGED. THERE HE WILL CONNECT TO THE EXISTING FIELD TILE AND INSTALL AN UNDERDRAIN PIPE FROM THAT LOCATION TO THE EXISTING HEADWALL LOCATED 352' RT. STATION 163+00. THE CONTRACTOR WILL CORE A HOLE IN THE WING WALL OF THE HEADWALL AND INSTALL THE UNDERDRAIN PIPE INTO THE HEADWALL.

SINCE THE EXACT LOCATION WHERE THE CONTRACTOR WILL FIND THE END OF THE NON-DAMAGED FIELD TILE IS NOT KNOWN, THE EXACT ROUTE THE PROPOSED UNDERDRAIN PIPE WILL BE INSTALLED ON IS NOT KNOW. ALSO THE EXACT QUANTITY OF PROPOSED UNDERDRAIN PIPE TO BE INSTALLED IS

THE PROPOSED ROUTING SHOWN ON THIS SHEET INDICATES THE APPROXIMATE ROUTING THE CONTRACTOR WILL BE TAKING. THE PROPOSED QUANTITY OF PROPOSED UNDERDRAIN PIPE SHOWN IS AN APPROXIMATION. THE EXACT QUANTITY OF PROPOSED UNDERDRAIN PIPE WILL BE THE ACTUAL LINEAR FEET OF UNDERDRAIN PIPE INSTALLED AND ACCEPTED BY THE

THE EXISTING FIELD TILE HAS AN APPROXIMATE DEPTH OF 45" BELOW THE

THE CONTRACTOR, USING A TRENCHER OR BACKHOE, WILL DIG PERPENDICULAR TO THE ANTICIPATED PATH OF THE EXISTING FIELD TILE IN ORDER TO INTERCEPT THE

ONCE THE EXISTING FIELD TILE HAS BEEN INTERCEPTED THE CONTRACTOR WILL DETERMINE IF IT IS USABLE OR NOT. IF THE FIELD TILE IS NON-USABLE, THEN THE CONTRACTOR WILL DETERMINE THE DIRECTION THE FIELD TILE IS RUNNING TOWARD THE WEST. HE WILL MOVE 25' TOWARD THE WEST AND LOCATE THE EXISTING FIELD TILE AGAIN. THE CONTRACTOR WILL REPEAT THIS PROCEDURE UNTIL HE LOCATES THE USABLE SECTION OF FIELD TILE.

SINCE THE CONTRACTOR WILL BE REQUIRED TO RE-OPEN RUNWAY 2-20 AT THE END OF THE CONSTRUCTION DAY, PRIOR TO MOVING TO THE NEXT LOCATION THE CONTRACTOR WILL MARK THE EXACT LOCATION OF THE FIELD TILE AND BACKFILL

THE CONTRACTOR WILL BE ALLOWED TO FILL THE EXCAVATED TRENCH WITHOUT COMPACTIVE EFFORTS IN ORDER TO FACILITATE THE LOCATING OF A USABLE SECTION OF THE EXISTING FIELD TILE. HOWEVER, AFTER THE USABLE SECTION HAS BEEN LOCATED THE CONTRACTOR WILL BE REQUIRED TO GO BACK AND COMPACT, GRADE, SEED AND MULCH THE AREAS DISTURBED BY HIS LOCATING

THE EXACT METHOD THE CONTRACTOR USES TO LOCATE THE FIELD TILE AND TRACE IT TO THE END OF THE NON-DAMAGED SECTION OF FIELD TILE WILL BE

LOCATING THE FIELD TILE, BACKFILLING THE TRENCHES, COMPACTING, GRADING, SEEDING AND MULCHING THE DISTURBED AREAS WILL BE PAID FOR UNDER:

AR800152 "EXPLORATOR TRENCH" \_ \_ PER L.F.

TRACING THE EXISTING FILE TILE WILL BE PAID FOR UNDER:



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DRAINAGE IMPROVEMENTS PROPOSED CONSTRUCTION P RUNWAY 20 R.S.

