

705-UNDERDRAIN NOTES:

THE PROPOSED UNDERDRAIN PIPE WILL BE CONSTRUCTED IN ACCORDANCE WITH ITEM 705 "PIPE UNDERDRAINS FOR AIRPORTS" AS STATED ON PAGE 109 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING 4" P.E. TUBING (WRAPPED) AND UNDERDRAIN INSPECTION HOLES AT THE LOCATIONS AND TO THE GRADES SHOWN ON THE CONSTRUCTION PLANS.

705-3.3 LAYING AND INSTALLING PIPE. REVISE THIS SECTION AS FOLLOWS:

"PIPE DRAINS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. THE PIPE SHALL BE BEDDED IN THE UNDERLYING MATERIAL TO A DEPTH NOT LESS THAN 10 PERCENT OF THE EXTERNAL DIAMETER OF THE PIPE, AND WHERE TRENCHING IS REQUIRED, THE TRENCH SHALL HAVE A WIDTH OF NOT LESS 8 IN. THE BOTTOM OF THE TRENCH SHALL BE COMPACTED IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.

JOINTS AND FITTINGS MAY BE ASSEMBLED WITHOUT GASKETS OR SOLVENT CEMENT IF THE JOINT IS SAND TIGHT AND THE SPIGOT ENTERS THE SOCKET NOT LESS THAN 1/3 OF THE SOCKET DEPTH FOR SOLVENT CEMENT JOINTS AND FULL-DEPTH FOR ELASTOMERIC GASKET JOINTS.

NO PIPE SHALL BE PLACED IN THE TRENCH UNTIL IT AND THE PREPARED FOUNDATION HAVE BEEN APPROVED BY THE RESIDENT ENGINEER. THE PIPE SHALL BE LAID SO THAT THE FLOWLINE WILL BE AT THE GRADE SHOWN ON THE PLANS OR ESTABLISHED BY THE RESIDENT ENGINEER. THE PERMISSIBLE MINIMUM COVER OVER A PIPE SHALL BE 6 IN.

LAYING OF PIPES SHALL COMMENCE AT THE OUTLET END AND PROCEED TOWARD THE INLET END WITH THE PIPES TRUE TO LINE AND GRADE.

EXISTING UNDERDRAIN LAYOUT

THE ENDS OF THE PIPE SHALL BE CAREFULLY CLEANED BEFORE THEY ARE PLACED, AND SHALL BE PLACED TO AVOID UNNECESSARY HANDLING ON THE FOUNDATION. AS EACH LENGTH OF PIPE IS LAID, THE ENDS OF THE PIPE SHALL BE PROTECTED TO PREVENT THE ENTRANCE OF ANY MATERIAL.

LONGITUDINAL LAPS SHALL BE PLACED AT THE SIDES AND SEPARATE SECTIONS OF PIPE SHALL BE JOINED WITH TIGHTLY-DRAWN, APPROVED CONNECTING BANDS.

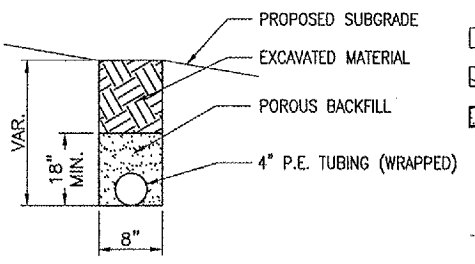
THE TRENCH SHALL BE BACKFILLED WITH SELECT MATERIAL, MEETING THE APPROVAL OF THE ENGINEER, PLACED IN 8 IN. LAYERS, LOOSE MEASUREMENT, AND COMPACTED TO THE ENGINEER'S SATISFACTION. THE PIPE UNDER PROPOSED PAVEMENT, PLUS 10 FT ON EITHER SIDE, WILL BE BACKFILLED WITH POROUS BACKFILL TO THE ORIGINAL GROUND ELEVATIONS OR TO THE SUBGRADE ELEVATION IF THE FILL HAS BEEN CONSTRUCTED PRIOR TO THE INSTALLATION."

THE CONTRACTOR SHALL VERIFY THE FLOWLINE ELEVATION OF ALL PROPOSED INSPECTION HOLES. ADJUSTMENTS TO SLOPES ON THE PROPOSED PIPE WILL BE DONE TO ACCOMMODATE CHANGES IN THESE ELEVATIONS.

705-3.6 BACKFILLING; ADD THE FOLLOWING TO THIS SECTION:

"THE EDGE DRAIN TRENCH WILL BE BACKFILLED WITH POROUS BACKFILL NO. 1 IN ACCORDANCE WITH THE DETAIL ON THE CONSTRUCTION PLANS. THE POROUS BACKFILL WILL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATION SET FORTH FOR GRANULAR MATERIAL BACKFILL."

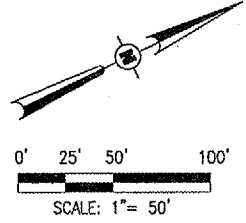
- THE PROPOSED UNDERDRAIN PIPE WILL BE PAID FOR UNDER ITEMS:
- AR705410 POROUS BACKFILL _____ 32 C.Y.
 - AR705524 4" PERFORATED UNDERDRAIN W/SOCK _____ 876 L.F.
 - AR705530 UNDERDRAIN INSPECTION HOLE _____ 4 EACH
 - AR705900 REMOVE UNDERDRAIN _____ 1,587 L.F.
 - AR705903 REMOVE UNDERDRAIN INSP. HOLE _____ 5 EACH



UNDERDRAIN DETAIL
NOT TO SCALE

LEGEND

- EXISTING PAVEMENT
- EXISTING PAVEMENT TO BE REMOVED
- PROPOSED PAVEMENT
- EXISTING HEADWALL
- EXISTING INLET
- EXISTING STORM SEWER
- EXISTING INSPECTION HOLE
- EXISTING INSPECTION HOLE (TO BE REMOVED)
- EXISTING UNDERDRAIN
- EXISTING UNDERDRAIN (TO BE REMOVED)
- PROPOSED INSPECTION HOLE
- PROPOSED UNDERDRAIN



DATE	REVISION	BY

DIMA
DEKALB TAYLOR MUNICIPAL AIRPORT
IL PROJ.: DK6-3448 AIP PROJ.: 3-17-01-39-B42

HEL PROJECT NO. 80305TXAD_0800	DATE 12/29/03
ELEVATION R-13.DRN.DWG	DATE 12/29/03
SCALE 1" = 50'	DATE 12/29/03
LAYOUT CAH 12/29/03	DATE 12/29/03
DRAWN MDR 12/29/03	DATE 12/29/03
REVIEWED CAH 03/06/06	DATE 03/06/06

HANSON
Hanson Professional Services Inc.
1625 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

REMOVE AND REGRADE
RUNWAY END 2
PROPOSED
UNDERDRAIN
PLAN

APR 04, 2006 8:05 AM BAK I:\AIRPORTS\DEKALB\803-05TXAD\AIRPORT\SHETS\RWY -2\R-13.DRN.DWG