

CONSTRUCTION PLANS

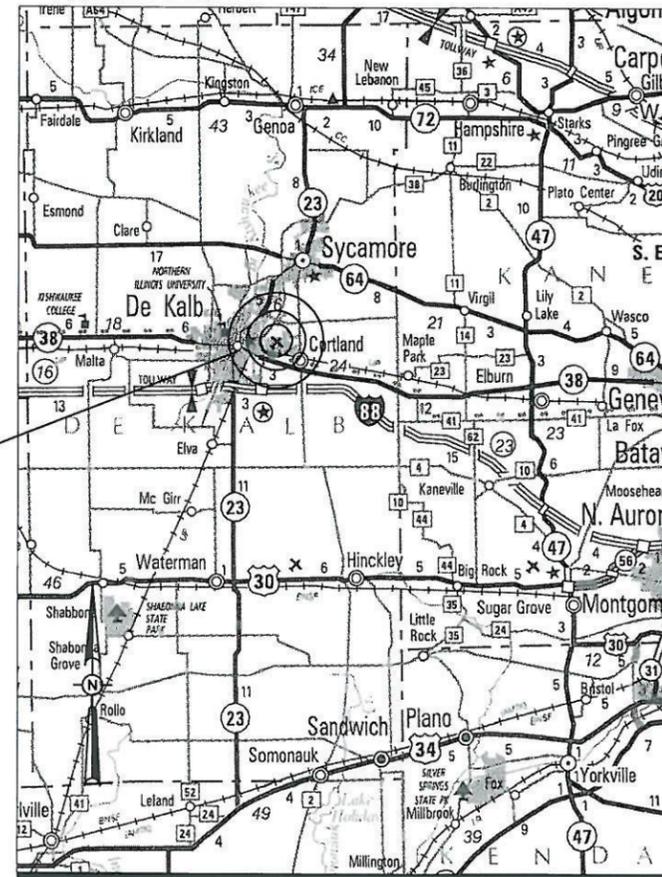
INSTALL CORPORATE HANGAR
CONCRETE APPROACH

CITY OF DEKALB
DEKALB TAYLOR MUNICIPAL AIRPORT (DKB)
DEKALB, DEKALB COUNTY, ILLINOIS

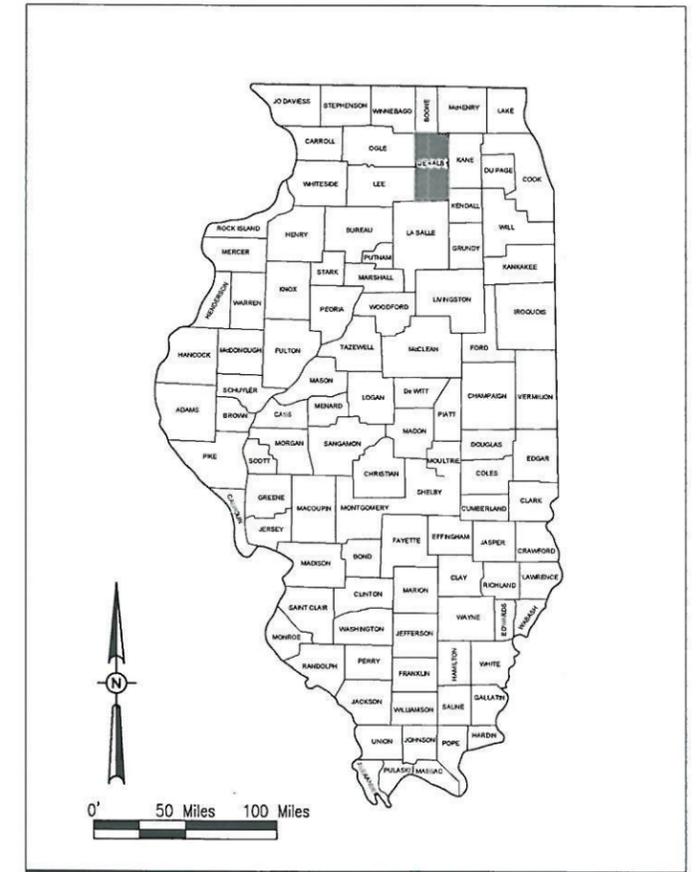
SBG PROJECT NO. 3-17-SBGP-XX
IDA PROJECT NO. DKB-3937

DEKALB TAYLOR MUNICIPAL
AIRPORT

VICINITY MAP



LOCATION MAP



NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

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No.	Issue/Description	Sheets Changed	Date	By



Charles A. Hagloch 11/12/14
Charles A. Hagloch, P.E.
Project Engineer Date

November 12, 2014



HANSON PROFESSIONAL SERVICES INC.
1525 South Sixth Street
Springfield, Illinois 62703
Telephone: 217-788-2450
Fax: 217-788-2503

Robert A. Waller 11/12/14
Robert A. Waller, P.E.
Project Manager Date

CITY OF DEKALB
DeKalb Taylor Municipal Airport
3232 Pleasant Street
DeKalb, Illinois 60115



DEKALB TAYLOR MUNICIPAL AIRPORT

Tom Claveland 11/11/14
Tom Claveland,
Airport Manager Date



SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR110204	4" PVC DUCT, DIRECT BURY	L.F.	110	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	390	
AR156513	SEPARATION FABRIC	S.Y.	742	
AR208540	OVERSIZE AGGREGATE	TON	150	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	171	
AR501509	9" PCC PAVEMENT	S.Y.	733	
AR904510	SODDING	S.Y.	334	

INDEX TO SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED CONSTRUCTION PLAN
5	PROPOSED JOINTING PLAN
6	PROPOSED ELECTRICAL PLAN

NOTE TO CONTRACTOR:

1. THE QUANTITIES SHOWN ON THIS SHEET ARE BASED ON THE PROPOSED CONCRETE APPROACH PAVEMENT HAVING A PROPOSED DEPTH OF 75'. SINCE THE HANGAR WAS UNDER CONSTRUCTION AT THE TIME THESE DOCUMENTS WERE DEVELOPED THE ACTUAL DEPTH WAS NOT KNOWN. THESE QUANTITIES MAY VARY SLIGHTLY DEPENDING ON THE DIFFERENCE BETWEEN THE ACTUAL DEPTH AND THE PROPOSED 75'.
2. THE CONTRACTOR WILL BE PAID FOR THE QUANTITY OF EACH PAY ITEM AS DETERMINED AT THE TIME OF CONSTRUCTION.

CONSTRUCT HANGAR
CONCRETE
APPROACH

IDA No: DKB-3937

Contract No. DK057

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DATE

PROJECT NO: 13A0098D

CAD FILE: G-002SQQ.DWG

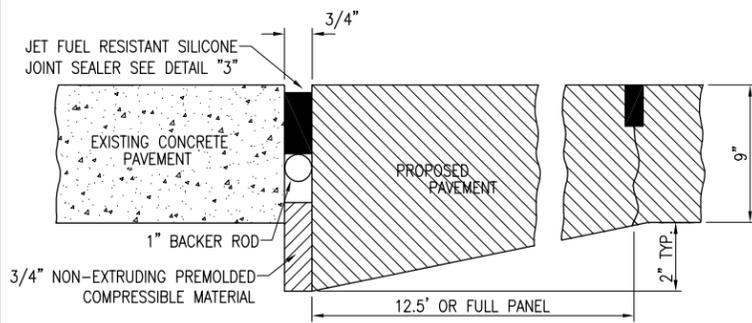
DESIGN BY: CAH 09/24/14

DRAWN BY: CAH 09/24/14

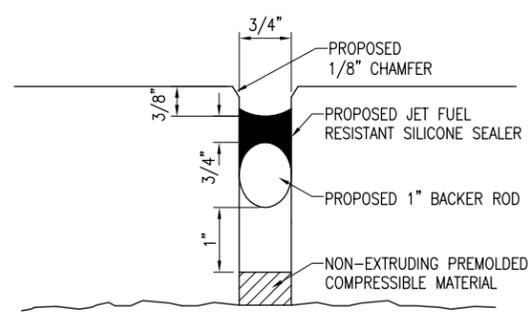
REVIEWED BY: BSS 11/07/14

SHEET TITLE

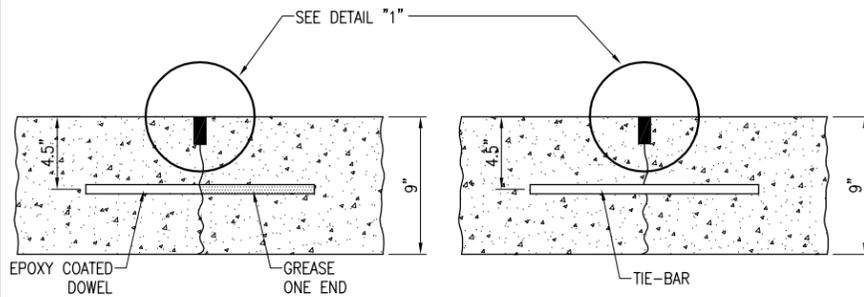
SHEET INDEX AND
SUMMARY OF
QUANTITIES



THICKENED EDGE EXPANSION JOINT - TYPE E

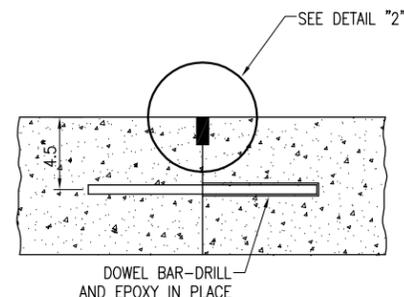


DETAIL "3"
"NOT TO SCALE"



TYPE F DOWELED

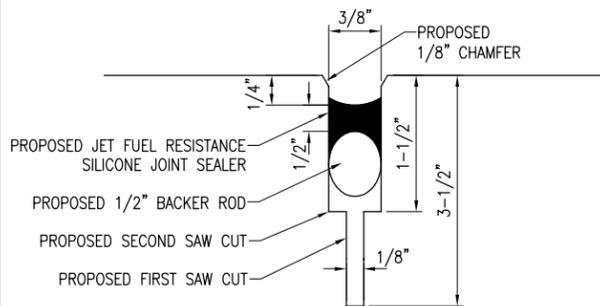
TYPE G HINGED



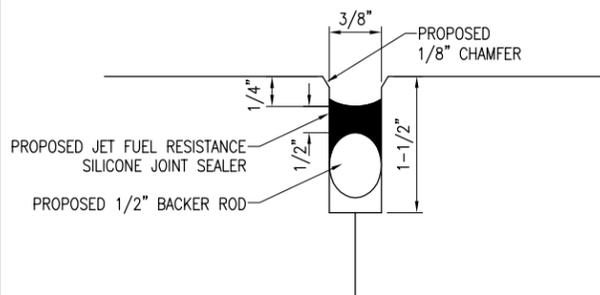
TYPE D - DOWELED

CONTRACTION JOINTS

CONSTRUCTION JOINTS



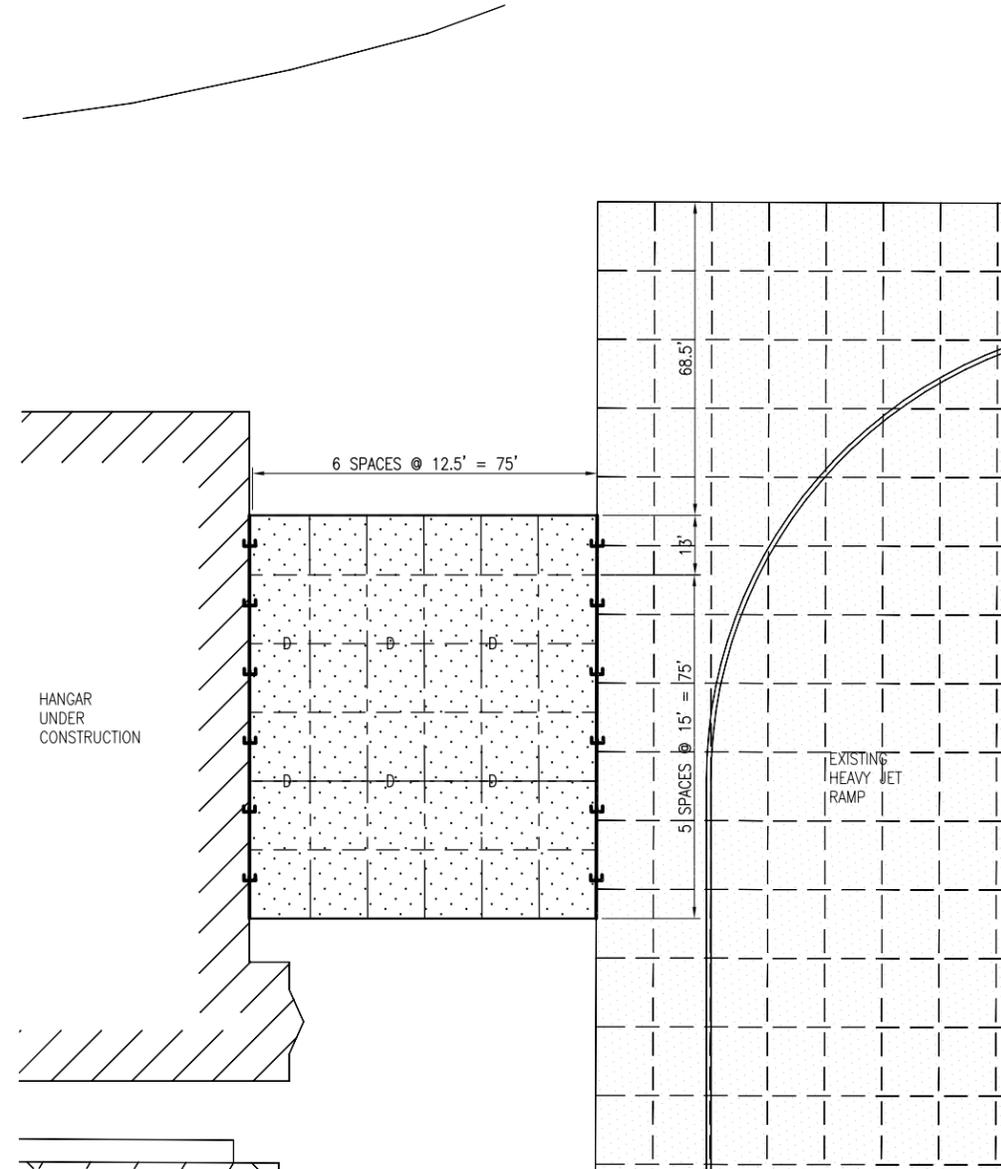
DETAIL "1"
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DETAIL "2"
"NOT TO SCALE"

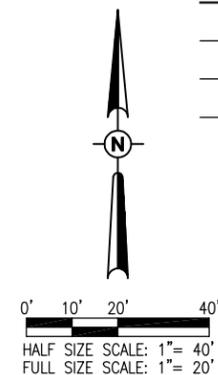
JOINTING NOTES

- ALL EXPOSED JOINT EDGES SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/4" OR STONED TO PRODUCE THE 1/8" CHAMFER.
- ALL LONGITUDINAL AND TRANSVERSE CONTRACTION AND CONSTRUCTION JOINTS SHALL BE SAWED.
- ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL INSURE THAT THEY WILL REMAIN PARALLEL TO THE SURFACE OF THE PAVEMENT AND TO THE CENTERLINES OF THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. DOWELS FOR THE 9" PAVEMENT SHALL BE 1" DIA., 19" LENGTH AND 12" SPACING.
- ALL TIE-BARS SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR OTHER METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT. SUPPORT PINS SHALL BE OF SUFFICIENT LENGTH TO PENETRATE AT LEAST 6" INTO THE SUBGRADE.
- ALL TIE-BARS SHALL BE PLACED AT A POINT NOT EXCEEDING 15" OR CLOSER THAN 6" FROM A TRANSVERSE, CONTRACTION, EXPANSION, OR CONSTRUCTION JOINT AND SPACED 30" ON CENTERS AND SHALL BE NO. 5 DEFORMED BARS, 30" IN LENGTH.
- DOWELS IN TRANSVERSE, CONTRACTION, AND CONSTRUCTION JOINTS SHALL BE EPOXY COATED AND HALF THE LENGTH GREASED WITH A HEAVY GREASE.
- ALLOWABLE TOLERANCES FOR GROOVE DEPTH WILL BE +1/8" FOR CONSTRUCTION JOINTS AND +1/4" FOR CONTRACTION JOINTS.
- DOWELS LOCATED IN THE CONSTRUCTION JOINTS WILL BE DRILLED AND EPOXY IN PLACE. THE EPOXY MATERIAL MUST BE APPROVED BY THE ILLINOIS DIVISION OF AERONAUTICS.
- THE COST OF ALL DOWEL BARS, TIE-BARS, SAWING AND SEALING SHALL BE INCLUDED IN THE COST OF THE P.C.C. PAVEMENT.
- PRIOR TO PLACING ADJACENT PAVEMENT SECTIONS, THE VERTICAL EDGE SHALL BE CHECKED FOR TRUENESS IF THE FACE IS BURRED OR IRREGULAR, THE CONTRACTOR SHALL GRIND, STONE OR SAW THE FACE A MINIMUM OF 2" IN DEPTH TO PRODUCE A SMOOTH AND STRAIGHT EDGE.
- WHEN CONSTRUCTING "FILL-IN" PAVEMENT LANES THE CONTRACTOR SHALL USE BELTING OR OTHER PROTECTIVE MATERIAL FOR THE PAVING MACHINE TO TRAVEL ON AND WILL ROPE THE TRANSVERSE JOINTS.
- JOINT SEALANT SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS ITEM 501-2.5.
- CURING COMPOUND WILL BE AS SPECIFIED IN THE SPECIFICATIONS, ITEM 501-2.9 AND SHALL BE APPROVED PRIOR TO THE PAVING OPERATION BY THE PROJECT ENGINEER.
- ALL NON-ALIGNED EDGES WILL BE SAWED FULL DEPTH.



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- HANGAR UNDER CONSTRUCTION
- EXISTING JOINTS
- PROPOSED THICKENED EDGE EXPANSION JOINT - TYPE E
- PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH DOWELS - TYPE D
- PROPOSED LONGITUDINAL CONTRACTION JOINT WITH TIE BARS - TYPE G
- PROPOSED TRANSVERSE CONTRACTION JOINT WITH DOWELS - TYPE F



CONSTRUCT HANGAR
CONCRETE
APPROACH

IDA No: DKB-3937

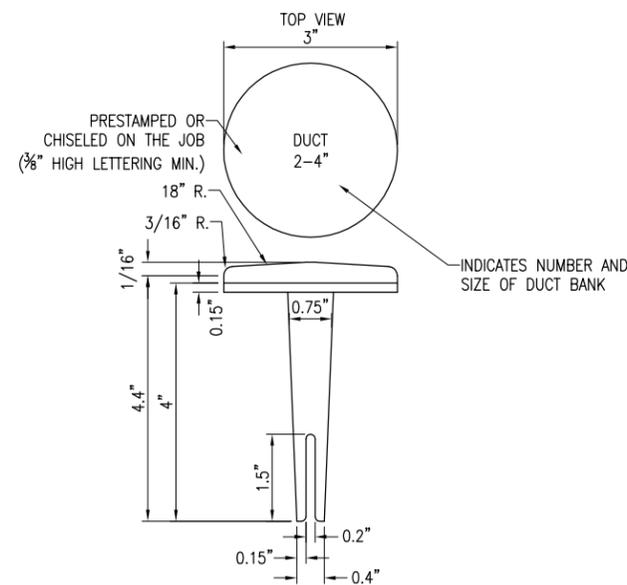
Contract No. DK057

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DATE
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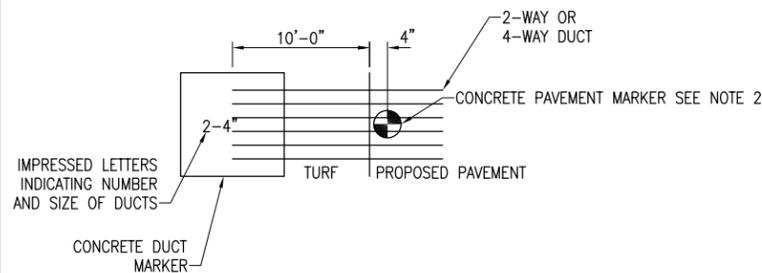
SHEET TITLE

PROPOSED
JOINTING
PLAN



BITUMINOUS PAVEMENT DUCT MARKERS
"NOT TO SCALE"

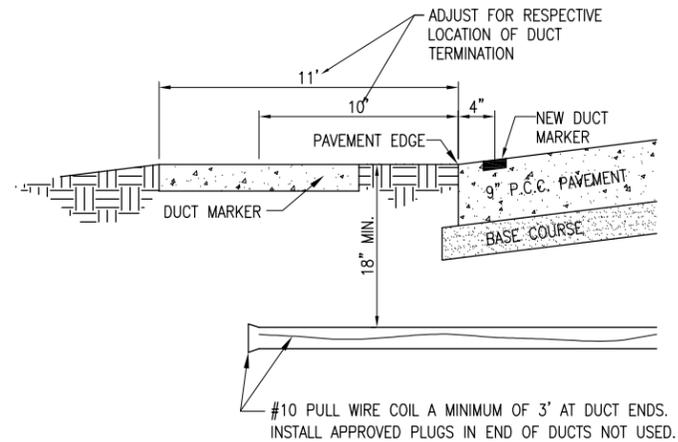
NOTE:
TOP OF MARKER SHALL BE FLUSH WITH FINISHED PAVEMENT SURFACE. MARKER MAY BE INSTALLED IN A DRILLED HOLE AND SECURED WITH EPOXY GLUE.



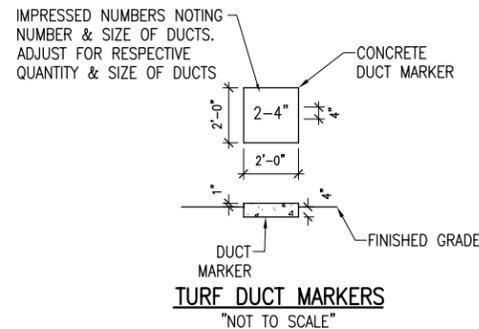
DUCT MARKER DETAIL
"NOT TO SCALE"

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.



UNDERGROUND ELECTRICAL DUCT
"NOT TO SCALE"



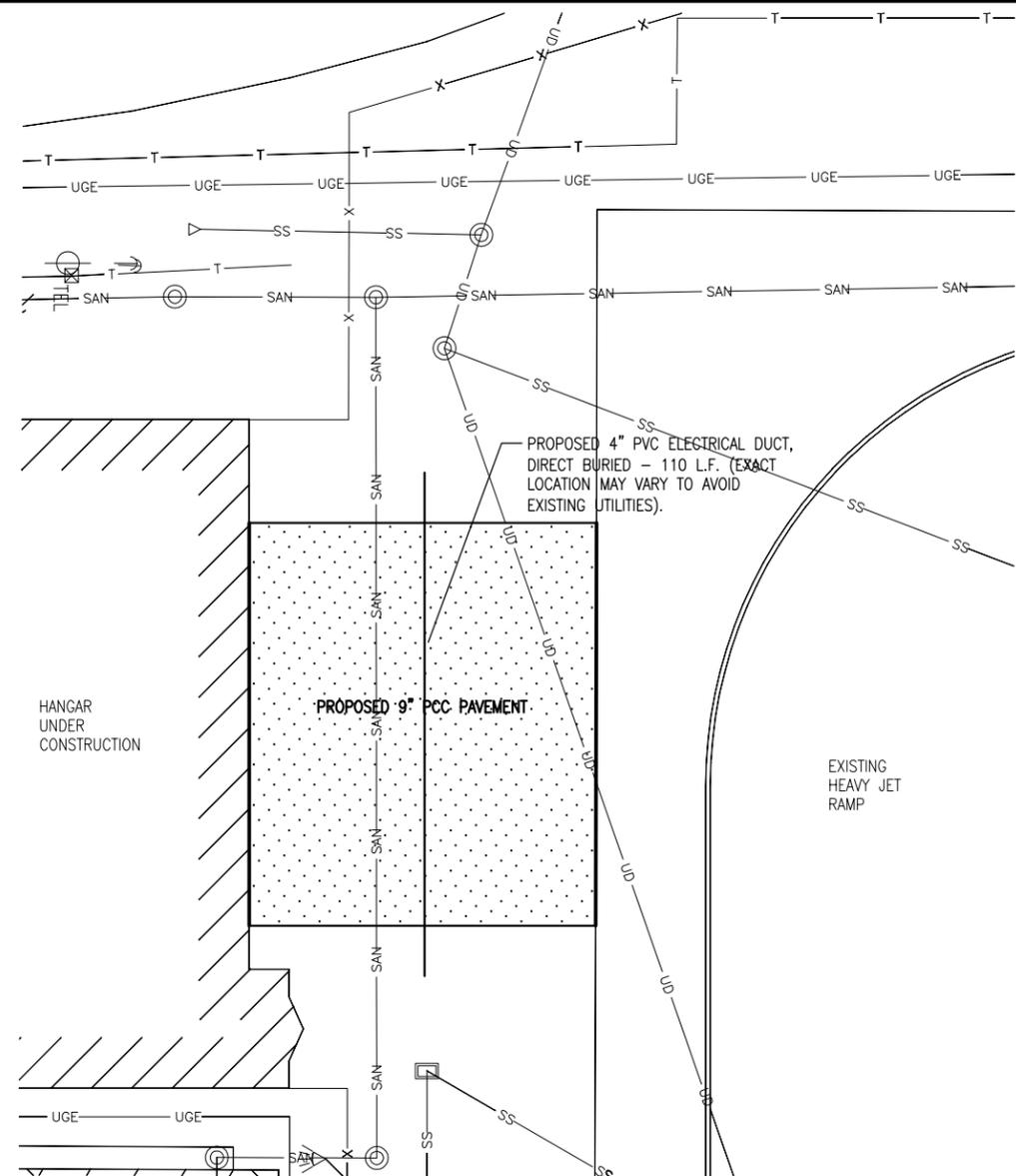
TURF DUCT MARKERS
"NOT TO SCALE"

DUCT MARKER NOTES:

1. THE COST OF ALL TURF AND PAVEMENT DUCT MARKERS SHALL BE INCIDENTAL TO THE DUCT. THE COST OF ALL CABLE MARKERS SHALL BE INCIDENTAL TO THE CABLE.
2. BITUMINOUS PAVEMENT DUCT MARKER OR CONCRETE DUCT MARKER TO BE PROVIDED AT EACH END OF EACH DUCT AS SHOWN ON THE LOCATION PLAN. FOR CONCRETE PAVEMENT, THE LETTER "D" SHALL BE IMPRESSED IN THE PAVEMENT INSTEAD OF THE MARKER. THE LETTER SHALL BE AS DESCRIBED IN NOTE 4.
3. CABLE MARKERS SHALL BE PLACED AT CHANGES OF DIRECTION AND APPROXIMATELY EVERY 200' ALONG CABLE RUNS.
4. CONCRETE CABLE MARKERS AND DUCT MARKERS SHALL HAVE LETTERS 4" HIGH, 3" WIDE WITH WIDTH OF STROKE 1/2" AND 1/4" DEEP. ALL LETTERS, NUMBERS AND ARROWS TO BE IMPRESSED.

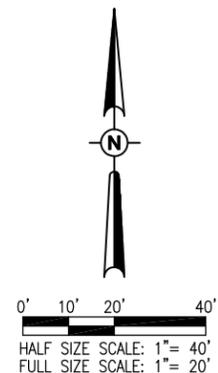
DUCT NOTE:

1. THE CONTRACTOR WILL INSTALL THE PROPOSED DUCT AT THE LOCATION SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE DETAILS AND THE SPECIFICATIONS.
2. THE PROPOSED DUCT THAT IS UNDER THE PROPOSED PAVEMENT WILL BE BACKFILLED WITH IDOT CA-16 FROM THE TOP OF THE DUCT TO THE TOP OF THE SUBGRADE IN ORDER TO ELIMINATE ANY FUTURE SETTLEMENT OVER THIS DUCT. THE DUCT NOT UNDER PAVEMENT WILL BE BACKFILLED WITH EXCAVATED EARTH MATERIAL FROM THE TOP OF THE DUCT. THE AGGREGATE BACKFILL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE INSTALLATION OF THE PROPOSED ELECTRICAL DUCT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. THE PROPOSED DUCT WILL BE PAID FOR UNDER ITEM:
AR110204 "4" PVC DUCT, DIRECT BURY" _____ 100 L.F



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- HANGAR UNDER CONSTRUCTION
- PROPOSED 4" PVC ELECTRICAL DUCT, DIRECT BURIED
- EXISTING FENCE
- EXISTING R.C.C. STORM SEWER PIPE
- EXISTING HDPE STORM SEWER PIPE
- EXISTING SANITARY SEWER PIPE
- EXISTING WATER LINE
- EXISTING TELEPHONE LINE
- EXISTING UNDERGROUND ELECTRIC CABLE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING MANHOLE
- EXISTING INLET
- EXISTING FIRE HYDRANT



**CONSTRUCT HANGAR
CONCRETE
APPROACH**

IDA No: DKB-3937

Contract No. DK057

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DATE
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DESIGN BY: CAH 10/22/2014
DRAWN BY: CAH 10/22/2014
REVIEWED BY: BSS 11/07/14

SHEET TITLE

**PROPOSED
ELECTRICAL
PLAN**