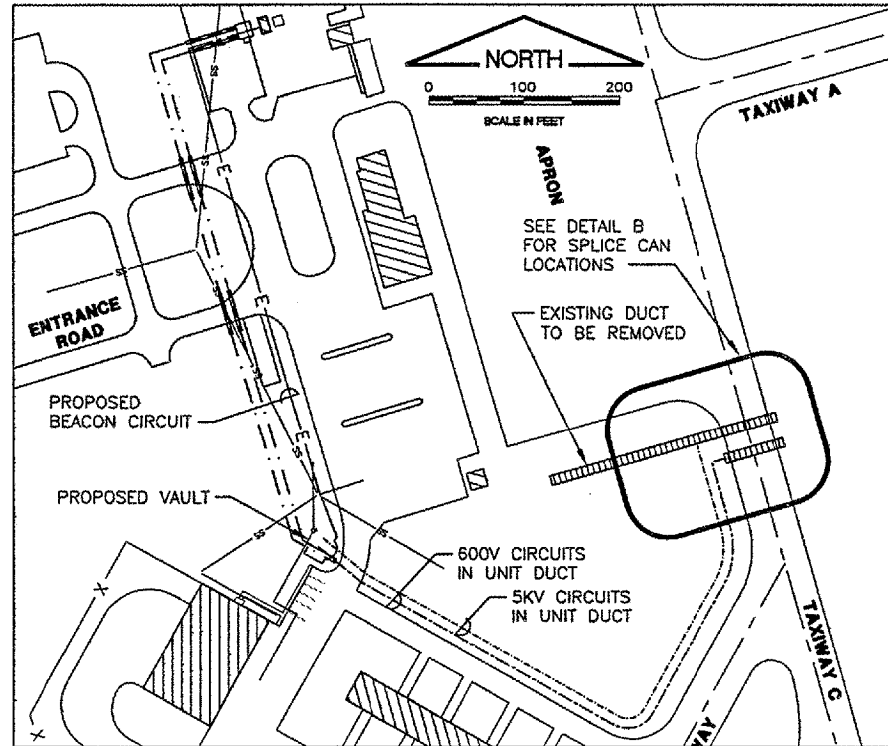


PROPOSED IMPROVEMENTS

PROPOSED IMPROVEMENTS NOTES

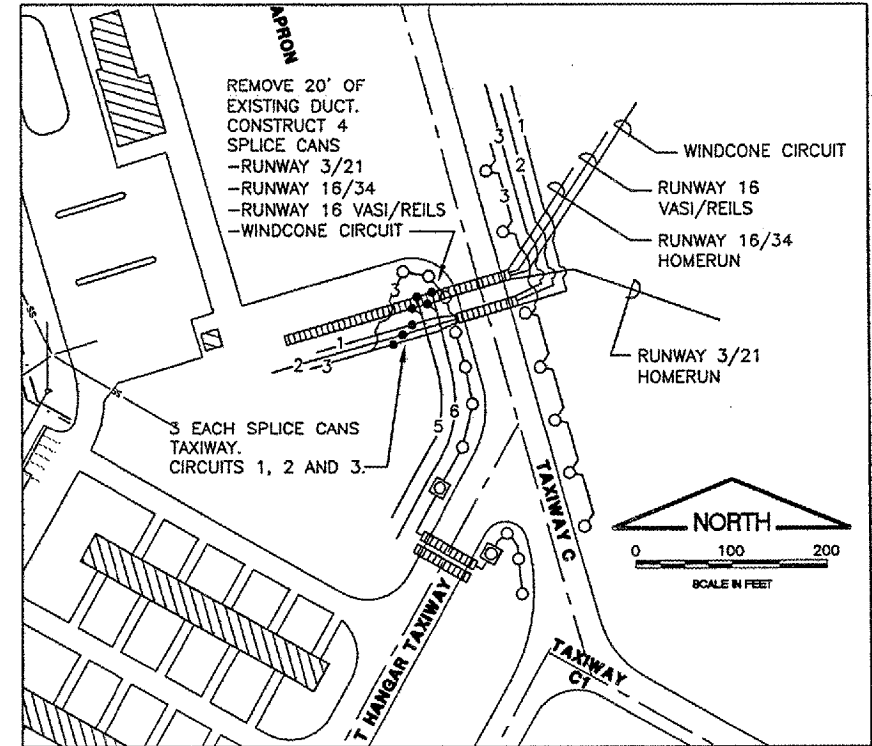
1. THE CONTRACTOR SHALL COORDINATE THE REMOVAL AND REPLACEMENT OF THE ROADWAY WITH THE AIRPORT MANAGER. THE CONTRACTOR SHALL HAVE TWO CONSECUTIVE WORKING DAYS TO CONSTRUCT THE DUCT CROSSINGS.
2. THE CONTRACTOR SHALL FULL DEPTH SAWCUT THE EDGES OF THE ROADWAY REMOVAL PRIOR TO REMOVING THE BITUMINOUS SURFACE.
3. THE CONTRACTOR SHALL PROVIDE BARRICADES AND TEMPORARY FENCING AROUND THE EXCAVATIONS FOR THE ROADWAY REMOVAL.
4. THE CONTRACTOR SHALL USE FLOWABLE ZERO SETTLEMENT BACKFILL FOR THE DUCT EXCAVATIONS UP TO THE BOTTOM OF THE EXISTING ROADWAY PAVEMENT STRUCTURE. AGGREGATE BASE SHALL BE REPLACED WITH MATERIAL MEETING THE REQUIREMENTS OF ITEM 209. A 6" BITUMINOUS SURFACE SHALL BE CONSTRUCTED IN TWO LIFTS OF 3". THE BITUMINOUS MATERIAL SHALL BE AN IDOT- HIGHWAYS APPROVED MIXTURE. THE CONTRACTOR SHALL SUBMIT THE MIX DESIGN TO THE ENGINEER FOR REVIEW PRIOR TO BEGINNING THE CONSTRUCTION OF THE DUCTS.



DETAIL A

DETAIL A NOTES

1. THE WORK CONSISTS OF THE FOLLOWING CIRCUITS:
 - A. RUNWAY 3-21 HOME RUN
 - A. RUNWAY 16-34 HOME RUN
 - B. TAXIWAY CIRCUIT 1 HOME RUN
 - C. TAXIWAY CIRCUIT 2 HOME RUN
 - D. TAXIWAY CIRCUIT 3 HOME RUN
 - E. POWER FEED FOR RUNWAY 16 VASI AND REILS
 - F. POWER FEED FOR BEACON
 - G. POWER FEED FOR WIND CONE
 - H. POWER FEED FOR OBSTRUCTION LIGHT
2. THE CONTRACTOR SHALL DOCUMENT THE ALIGNMENT OF EACH CIRCUIT BETWEEN THE VAULT AND THE AIRFIELD. THE CONTRACTOR SHALL INDICATE ON A MARKUP OF THE RECORD DRAWINGS DISTANCES FROM THE EDGE OF PAVEMENT TO EACH CIRCUIT ON A 25' MAXIMUM SPACING.
3. THE 600V CIRCUITS MAY BE PLACED IN A SINGLE TRENCH OR PLOWED IN AS DETAILED. THE 5KV CIRCUITS MAY BE PLACED IN A SINGLE TRENCH OR PLOWED IN AS DETAILED. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3' SEPARATION BETWEEN THE 600V CIRCUITS AND THE 5KV CIRCUITS EXCEPT AS DICTATED BY THE EXISTING CIRCUIT LOCATIONS AT THE SPLICE CANS SHOWN ON DETAIL B.

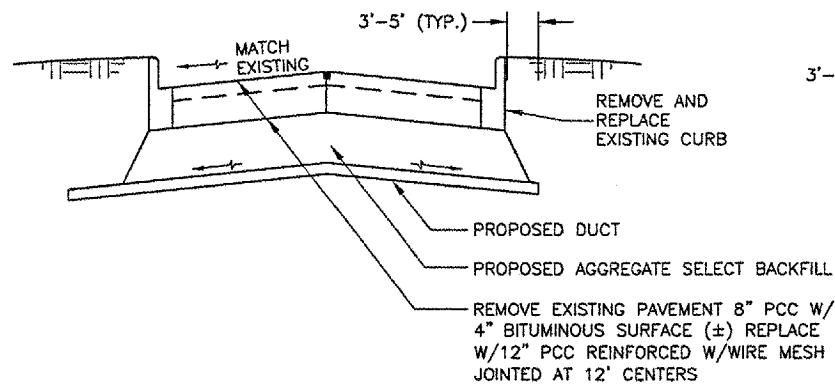


DETAIL B

DETAIL B NOTES

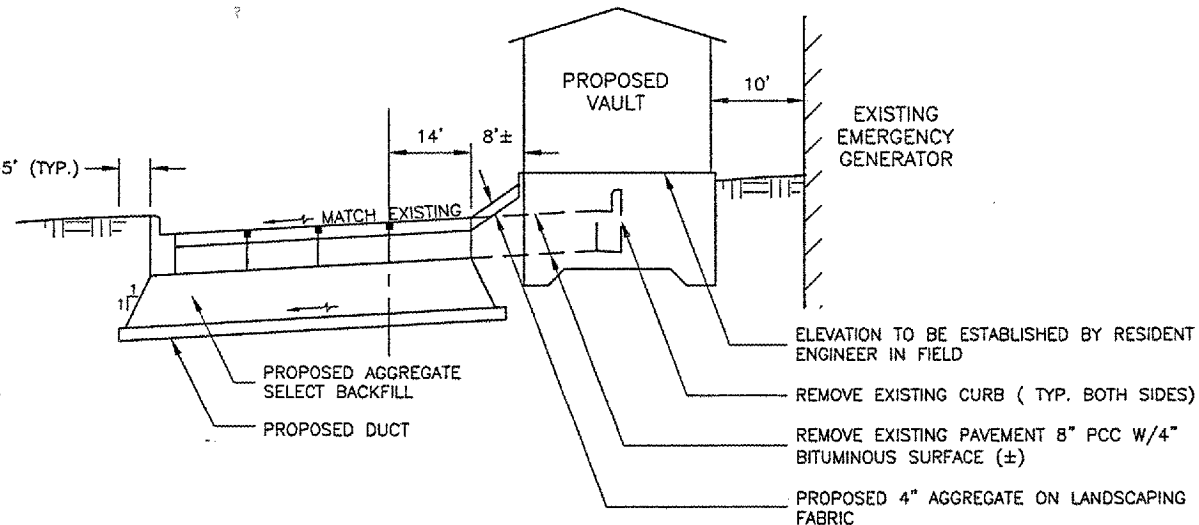
1. THE CONTRACTOR SHALL LOCATE EACH EXISTING CIRCUIT IN THE FIELD IMMEDIATELY FOLLOWING THE NTP. THE CONTRACTOR SHALL EXCAVATE THESE CIRCUITS TO DETERMINE ACTUAL LOCATION, DEPTH AND WIRE SIZE. THE CONTRACTOR SHALL REPORT TO THE ENGINEER ANY POTENTIAL CONFLICTS BETWEEN THE EXISTING CIRCUIT LOCATIONS OR WIRE SIZES WITH THE WORK SHOWN IN THE PLANS.
2. THE CONTRACTOR SHALL EXPOSE SUFFICIENT LENGTHS OF CABLE TO ALLOW THE CABLE TO BE ROUTED INTO THE PROPOSED SPLICE CANS AND TO PROVIDE SUFFICIENT SLACK.
3. THE CONTRACTOR SHALL REMOVE THE CABLES FROM THE DUCT TO BE REMOVED. AFTER THE CABLES HAVE BEEN REMOVED THE CONTRACTOR SHALL SAWCUT THE DUCT AT THE APPROXIMATE LOCATION SHOWN IN DETAIL B AND REMOVE 20' OF THE DUCT BETWEEN THE SAWCUT AND THE EXISTING VAULT.
4. THE CONTRACTOR SHALL CONNECT THE NEW CIRCUIT EXTENSIONS FROM THE NEW VAULT TO THE EXISTING CIRCUITS AT SPLICE CANS LOCATED AT THE APPROXIMATE LOCATIONS SHOWN.
5. THE CONTRACTOR SHALL SCHEDULE THE REMOVAL OF THE DUCT WITH THE AIRPORT IN ACCORDANCE WITH THE SCHEDULE ESTABLISHED ON THE CONSTRUCTION ACTIVITY PLAN.

- NOTES:
1. CONTRACTOR SHALL DRILL AND BOND DOWELS INTO EXISTING PCC PAVEMENT AT BOTH ENDS OF REMOVAL. 3/4" DOWELS AT 18" CENTERS.
 2. CONTRACTOR SHALL SAW AND SEAL JOINTS ON 12'x15' GRID OR AS SPECIFIED BY ENGINEER.
 3. PCC PAVEMENT SHALL BE REINFORCED W/WIRE MESH 6x6 W 4.4/W 4.4



PAVEMENT REMOVAL AND REPLACEMENT

NTS



VAULT ELEVATION

NTS

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34x22).

VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS
 RELOCATE AIRFIELD ELECTRICAL VAULT
 ELECTRICAL PLAN 2

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DESIGN BY:	CET
DRAWN BY:	CMT
CHECKED BY:	
APPROVED BY:	
DATE:	06-22-2007
JOB No:	0704202
ILLINOIS PROJECT DNV-3684 A.I.P. PROJECT 3-17-0032-B11	
SHEET 5 OF 16 SHEETS	