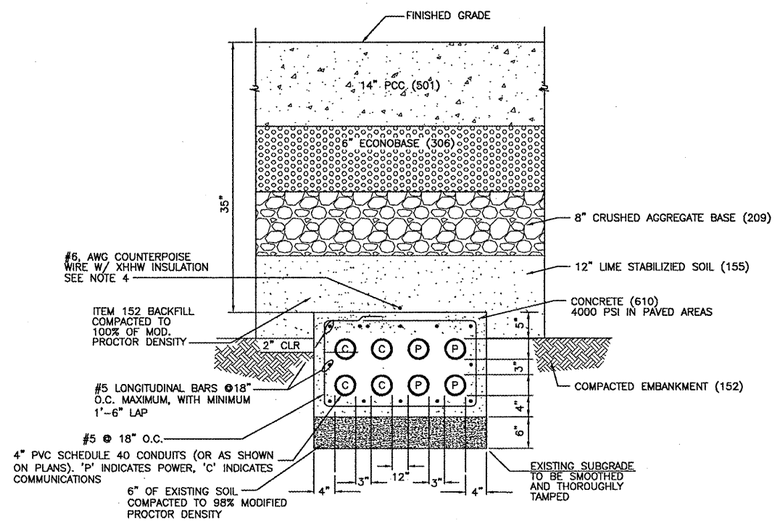
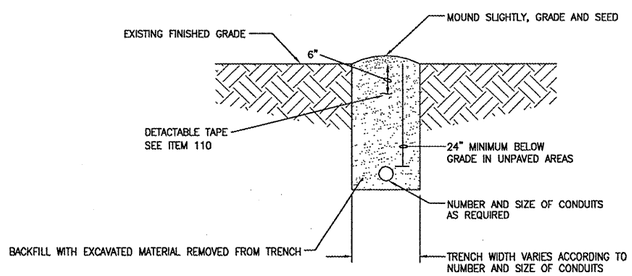


NOTES:

1. COORDINATE TRENCHING AND DUCTBANK WORK WITH EARTHWORK.
2. DUCTBANK INSTALLATION SHALL BE SIMILAR IN TURF AREAS. TRENCH BACKFILL TO BE EXISTING SOIL COMPACTED TO 95% MODIFIED PROCTOR DENSITY IN LIEU OF CONCRETE.
3. DUCTBANK INSTALLATION SHALL BE SIMILAR FOR DUCTBANK IN SHOULDER AREAS.

8-WAY, 4" DUCTBANK

NTS



TYPICAL CONDUIT TRENCHING IN UNPAVED AREAS

NOT TO SCALE

DUCTBANK NOTES:

1) THE #6 AWG BSD COPPER COUNTERPOISE WIRE SHALL BE CENTERED ON THE DUCT BANK.

2) THE MINIMUM DISTANCE BETWEEN TOP OF CONDUIT IN DUCTBANK AND COUNTERPOISE SHALL BE 3".

3) THE CONTRACTOR SHALL INSTALL A NYLON PULL WIRE IN EACH UNUSED DUCT OR CONDUIT INSTALLED AND PLUG OR CAP THE DUCT. THE WIRE SHALL BE SECURELY ATTACHED TO THE PLUG/CAP AT EACH END OF THE DUCT OR CONDUIT. NEW PULL WIRES SHALL BE INSTALLED IN EACH UNUSED DUCT OR CONDUIT IN DUCT BANK EXTENSIONS.

4) THE CONTRACTOR SHALL INSTALL A PLASTIC COATED, DETECTABLE MAGNETIC TWO (2) INCH WIDE TAPE EIGHT (8) INCHES BELOW TURF GRADE ABOVE ALL DUCTBANKS OR CONDUITS NOT INSTALLED UNDER AIRFIELD PAVEMENT.

5) DUCTBANKS SHALL DRAIN TOWARD THE MANHOLES WITH THE CROWN OF THE DUCT BANK MIDWAY BETWEEN MANHOLES. THE DUCT SLOPE SHALL BE 3" PER 100'.

6) ALL CONDUITS, DUCT AND DUCT BANKS SHOWN AS CONCRETE ENCASED SHALL BE ENCASED IN 4000 PSI CONCRETE COMPRESSIVE STRENGTH, WITH NOT LESS THAN 3" OF COVER AT TOP AND SIDES.

7) GRADING, SODDING, AREA RESTORATION, AND DEWATERING FOR THE INSTALLATION OF BASE CANS, MANHOLES, DUCT BANKS OR CONDUITS IS INCIDENTAL TO THE RESPECTIVE PAY ITEM. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY FOR AND OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEWATERING.

8) THE ITEM 610 CONCRETE AROUND CONDUITS, DUCTS AND BASE CANS SHALL BE COMPLETELY CONSOLIDATED BY MECHANICAL MEANS AND SHALL BE FREE OF ANY VOIDS.

9) ALL DUCTS SHALL BE SECURELY FASTENED IN PLACE DURING CONSTRUCTION AND PROGRESS OF THE WORK AND SHALL BE PLUGGED TO PREVENT SEEPAGE OF GROUT, WATER OR DIRT. ANY DUCT SECTION HAVING A DEFECTIVE JOINT SHALL NOT BE INSTALLED. DUCTS SHALL BE SUPPORTED AND SPACED APART USING APPROVED SPACERS AT INTERVALS NOT TO EXCEED 5 FEET.

10) ALL CONSTRUCTION JOINTS IN CONCRETE ENCASED DUCTS SHALL HAVE A MINIMUM OF 4 STEEL DOWELS, EVENLY SPACED AND INSTALLED AT THE JOINT. THE DOWELS SHALL BE #4 DEFORMED STEEL REINFORCING BARS, 24" LONG, WITH 1/2 OF THE LENGTH EMBEDDED IN THE PLASTIC CONCRETE THAT IS CONSTRUCTED INITIALLY.

11) ALL LOOSE MATERIAL SHALL BE REMOVED FROM ALL EXCAVATIONS FOR ELECTRICAL EQUIPMENT, RACEWAYS, MANHOLES, PADS, ETC. THE BOTTOM OF THE EXCAVATION SHALL BE COMPACTED TO 95% COMPACTION IN ACCORDANCE WITH ASTM D1557 PRIOR TO THE INSTALLATION OF THE ELECTRICAL ITEM AND BACKFILL.

PE087

RS&H
IMPROVING YOUR WORLD

850 East Diehl Road
Suite 120
Naperville, Illinois 60563
630-505-1991 FAX 630-505-1977
www.rsandh.com

GREATER Peoria REGIONAL Airport

PEORIA, ILLINOIS

TERMINAL APRON EXPANSION

SUBCONSULTANTS

PSA Dewberry

STS | AECOM

IL PROJECT: PIA-3812
AIP PROJECT: 3-17-0080-46

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 06/27/08
REVIEWED BY: PCB
DRAWN BY: JFC
DESIGNED BY: NDO

AEP PROJECT NUMBER
213-6945-000

© 2008 REYNOLDS, SMITH AND HILLS INC.

SHEET TITLE

DUCTBANK AND CONDUIT DETAILS

SHEET NUMBER

31 OF 43

ISSUED FOR BID DOCUMENTS