

GENERAL NOTES:

- ALL POWER CONDUITS ARE 5" AND COMMUNICATION CONDUITS ARE 4" UNLESS NOTED OTHERWISE.
- SEE DRAWINGS UEL6.61.08, UEL6.61.09 FOR MANHOLE, HANDHOLE, PULL BOX AND DUCTBANK REINFORCEMENT DETAILS.
- CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGER THE INSTALLATION OF DUCTBANKS WITH BUILDING LAYOUTS.
- CONTRACTOR SHALL NOT MAKE ANY SPLICES IN THE MANHOLE UNLESS NOTED OTHERWISE.
- COMMUNICATION CABLE INSTALLATION SHALL BE COORDINATED WITH THE CONSTRUCTION SCHEDULE AND CABLE SHALL BE COILED UP IN THE NEAREST MANHOLE TO BE PULLED INTO THE BUILDING WHEN REQUIRED.
- PROVIDE 2" DRAIN PIPE FROM THE MANHOLE SUMP UP TO THE DAYLIGHT AREA.

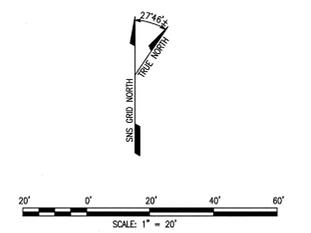
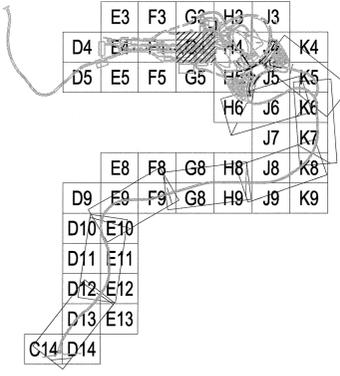
KEY NOTES:

- CONTRACTOR SHALL PROVIDE CONDUIT UP TO 5'-0" AWAY FROM THE BUILDING/POD, BUT SHALL PROVIDE CONDUITS AND MAKE TERMINATIONS AT THE FINAL DESTINATION. SWITCHGEAR/EQUIPMENT WILL BE INSTALLED INCREMENTALLY OVER THE ENTIRE CONSTRUCTION PERIOD. FEEDERS SHALL BE INSTALLED INDIVIDUALLY WHEN EQUIPMENT IS READY TO BE CONNECTED.
- 10 1/2" X 17 1/4" PULLBOX PROVIDED TO FEED THE SANITARY SEWER PUMP STATION. CIRCUIT FED FROM CENTRAL UTILITY BUILDING 50A, 3POLE CU-3EP1-27. SEE CUB DRAWING EA.01.71 FOR PANEL LOCATION.
- CONDUIT STUBBED AND CAPPED FOR FUTURE USE.
- 2" CONDUIT LAYED 14" BELOW GRADE AND STUBBED 2" ABOVE GROUND AT THE SHOWN LOCATION.
- PROVIDE 10 1/2" X 17 1/4" DEEP CONCRETE PULL BOX WITH HEAVY DUTY COVER TO SPICE ROADWAY LIGHTING CIRCUIT. IDENTIFY THE PULL BOX AS "ELECTRIC ROADWAY LIGHTING".
- 10 1/2" X 17 1/4" PULLBOX PROVIDED FOR COMMUNICATION CONDUITS FEEDING SWITCHYARD FROM THE CENTRAL UTILITY BUILDING.
- PROVIDE A 2" CONDUIT FROM PULL BOX TO 5' FROM THE BUILDING TO ACCEPT ROADWAY LIGHTING CIRCUIT WIRES 3/8, 1/89 FROM PANEL CU-3EP1 - COORDINATE THE LOCATION OF CONDUIT WITH CUB CONTRACT. SEE CUB DRAWING EA.01.71 FOR PANEL LOCATION.
- 3-4°C FOR EMERGENCY FEEDER FROM HEAT TO KLYSTRON BLDG. SEE KLYSTRON BLDG DWG NO EA.01.12 AND HEAT BUILDING DWG EA.01.19 FOR TERMINATION AND CABLE DETAILS.
- SEE SECTION 'L' SHEET UEL6.61.05 FOR SAME ELEVATION CROSSOVER OF DUCTBANKS.
- CABLES SHALL BE PULLED FROM MANHOLES M08 THROUGH M11 INTO THE 13.8KV SWITCHHOUSE BY SUBCONTRACTOR. FINAL TIE INS WILL BE BY ORNL ELECTRICAL MAINTENANCE. COORDINATE WITH TIA CONSTRUCTION DWGS FOR DUCTBANK INTERFACES.
- 2-4°C PROVIDED FOR CONTROL AND POWER FEEDER FROM CHL/RF EMERGENCY GENERATOR CH/RF-R01 TO THE CUB AT CU-3ATS1. SEE CUB DRAWING EA.01.71 AND CHL/RF DRAWING EA.01.79 FOR CONDUIT CONTINUATIONS AND FINAL TERMINATIONS.
- DEPTH OF DUCTBANK BELOW GRADE IS 24".
- COORDINATE THE COMMUNICATION CABLE INSTALLATION WITH THE RING SERVICE BUILDING CONSTRUCTION SCHEDULE.
- COORDINATE INSTALLATION OF POWER FEEDERS FROM CENTRAL EXHAUST FACILITY TO THE RING SERVICE BUILDING WITH THE RING SERVICE BUILDING CONSTRUCTION SCHEDULE.
- COORDINATE INSTALLATION OF POWER FEEDERS GOING TO THE RING SERVICE BUILDING WITH THE RING SERVICE BUILDING CONSTRUCTION SCHEDULE.
- PROVIDE 1-2" STAINLESS STEEL CONDUITS GOING FROM HEAT ACCESS TUNNEL TO THE LINAC SHIMM PLATE CONDUIT 25.2' ABOVE CENTERLINE OF BEAM. SEE HEAT ACCESS TUNNEL BUILDING (BLDG.8411) DRAWING ES.01.20 AND LINAC DUMP BUILDING (BLDG.8510) DRAWING ES.01.53 FOR CONTINUATION.
- PROVIDE 4" DIRECT BURIED PVC CONDUIT FOR QWEST 36 FIBER OPTIC SERVICE CABLE.
- PROVIDE A 10 1/2" X 17 1/4" PULL BOX.
- ALL WORK ASSOCIATED WITH INSTALLATION OF CU-SS5, CH-CU-05 AND CH-CU-06 IS FUTURE WORK. SHOWN HERE FOR INFORMATION ONLY.

MATCHLINE - SEE SHEET NO. UEL2.61.F4

MATCHLINE - SEE SHEET NO. UEL2.61.H4

MATCHLINE - SEE SHEET NO. UEL2.61.G5



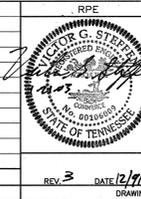
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SECTION AND DETAIL KEY
<p>NUMBER OF SECTION OR DETAIL</p> <p>DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN</p>

THIS DOCUMENT CONTROLLED BY  
CHANGE CONTROL SYSTEM  
ENGINEERING PROCEDURE

REV	DATE	DESCRIPTION	DSN	CHK	DEPT	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR	
3	A	4	5.6.8																					
2	A	4	4																					
1	A	4	1																					
0																								

DSN	A. SANKHU	07/13/01
DRW	G.GARDA	07/13/01
CHK	A.KANER	07/13/01
DEPT		
PE	J.SCHUBERT	07/16/01
PJ	T.MCLAUGHLIN	07/16/01



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**KNIGHT**  
Knight Advanced Technology  
4742 E. Grand Ave., 1st Fl.  
Phoenix, AZ 85046

**UT-BATTELLE**  
Oak Ridge National Laboratory  
managed for the DEPARTMENT OF ENERGY under  
U.S. GOVERNMENT contract DE-AC05-00OR22725

PROJECT NAME:  
**SPALLATION NEUTRON SOURCE**

**SITE UTILITIES ELECTRICAL PLAN BLOCK G4**

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	U	X	X	8	8000		1	1	P	U
51	NC	52	NA	5.3	WBS					
					1.8.4					

REV 3 UEL2.61.G4

AutoCAD

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