## ROADWAY/PARKING LOT LIGHTING BASE LOCATION

| POLE NUMBER | FIXTURE TYPE | COORDINATE (NORTHING) | COORDINATE (EASTING) | FIXTURE HEAD ORIENTATION (BEARING) | TOP ELEVATION (POLE BASE) |
|---|---|---|---|---|---|
| P001 | A | N 9634.46 | E 19611.82 | N32° 59'12"W | 1070 |
| P002 | A | N 9677.16 | E 19712.93 | N18° 22'54"W | 1075 |
| P003 | A | N 9711.78 | E 19817.34 | N18° 22'54"W | 1083 |
| P004 | A | N 9746.41 | E 19921.75 | N18° 22'54"W | 1087 |
| P005 | A | N 9781.04 | E 20026.16 | N18° 22'54"W | 1087 |
| P006 | A | N 9815.66 | E 20130.57 | N18° 22'54"W | 1083 |
| P007 | A | N 9850.29 | E 20234.97 | N18° 22'54"W | 1079 |
| P008 | A | N 9884.92 | E 20339.38 | N18° 22'54"W | 1078 |
| P009 | A | N 9951.29 | E 20252.62 | N90° 0'0.0"E | 1078 |
| P010 | C | N 9961.15 | E 20344.93 | N90° 0'0.0"E | 1079 |
| P011 | A | N 10002.06 | E 20242.52 | N52° 54'12"E | 1079 |
| P012 | A | N 10042.50 | E 20210.37 | N5° 43'41"E | 1080 |
| P013 | A | N 9916.74 | E 20444.53 | N7° 51'1"W | 1085 |
| P014 | A | N 9918.55 | E 20554.46 | N0° 0'0"E | 1087 |
| P015 | A | N 9918.55 | E 20664.46 | N0° 0'0"E | 1087 |
| P016 | A | N 9918.11 | E 20774.45 | N0° 0'0"E | 1087 |
| P017 | A | N 9904.57 | E 20895.58 | N0° 0'0"E | 1086 |
| P018 | A | N 9918.55 | E 20991.62 | N0° 0'0"E | 1085 |
| P019 | A | N 9904.55 | E 21047.49 | S0° 2'54"E | 1085 |
| P020 | A | N 9918.55 | E 21121.71 | N0° 0'0"E | 1085 |
| P021 | A | N 9918.55 | E 21240.51 | N0° 0'0"E | 1085 |
| P022 | A | N 9918.55 | E 21315.62 | N0° 0'0"E | 1086 |
| P023 | A | N 9918.55 | E 21440.62 | N0° 0'0"E | 1085 |
| P024 | A | N 9918.55 | E 21550.62 | N0° 0'0"E | 1085 |
| P025 | A | N 9918.55 | E 21627.16 | N0° 0'0"E | 1080 |
| P026 | A | N 9918.55 | E 21710.66 | N0° 0'0"E | 1078 |
| P027 | A | N 9954.92 | E 21681.16 | N0° 0'0"E | 1079 |
| P028 | A | N 9918.55 | E 21820.66 | N0° 0'0"E | 1079 |
| P029 | A | N 9885.50 | E 21630.16 | N90° 0'0"E | 1080 |
| P030 | A | N 9798.51 | N 21630.16 | N90° 0'0"E | 1079 |
| P031 | A | N 9862.44 | E 20899.97 | N35° 12'54"E | 1084 |
| P032 | A | N 9799.34 | E 20990.08 | N34° 58'1"E | 1079 |
| P033 | C | N 9752.56 | E 21054.88 | N35° 5'45"E | 1081 |
| P034 | C | N 9735.62 | E 21133.50 | N1° 16'20"E | 1081 |
| P035 | C | N 9735.62 | E 21203.50 | N0° 0'0"E | 1081 |
| P036 | C | N 9735.62 | E 21273.50 | N0° 0'0"E | 1079 |
| P037 | C | N 9735.58 | E 21348.94 | N0° 0'0"E | 1082 |
| P038 | A | N 9735.66 | E 21431.94 | N0° 0'0"E | 1081 |
| P039 | C | N 9714.66 | E 21401.94 | N90° 0'0"W | 1081 |
| P040 | A | N 9735.66 | E 21551.94 | N0° 0'0"E | 1079 |
| P041 | C | N 9714.67 | E 21591.94 | N90° 0'0"E | 1079 |
| P042 | A | N 9735.57 | E 21703.50 | N0° 0'0"E | 1079 |
| P043 | A | N 9735.57 | E 21813.50 | N0° 0'0"E | 1078 |
| P044 | C | N 9735.57 | E 21913.50 | N0° 0'0"E | 1078 |
| P045 | A | N 9687.50 | E 21672.28 | N90° 0'0"W | 1077 |
| P046 | A | N 9625.70 | E 21715.11 | S20° 30'55"W | 1074 |
| P047 | A | N 9620.29 | E 21794.56 | S5° 55'36"W | 1072 |
| P048 | A | N 9834.24 | E 21851.77 | N90° 0'0"W | 1079 |
| P049 | A | N 9845.48 | E 21915.60 | N71° 34'48"E | 1079 |
| P050 | A | N 9716.24 | E 21984.40 | N47° 30'55"E | 1077 |
| P051 | A | N 9639.85 | E 22062.53 | N45° 15'18"E | 1072 |
| P052 | A | N 9554.76 | E 22131.89 | N57° 15'3"E | 1066 |
| P053 | A | N 9447.38 | E 22185.01 | N66° 58'5"E | 1063 |
| P054 | A | N 9355.33 | E 22224.08 | N66° 58'7"E | 1061 |
| P055 | A | N 9256.63 | E 22272.73 | N59° 7'50"E | 1061 |
| P056 | A | N 9163.26 | E 22324.32 | N50° 4'56"E | 1062 |
| P057 | A | N 9091.42 | E 22393.98 | N41° 37'8"E | 1063 |
| P058 | A | N 9030.62 | E 22473.44 | N33° 9'22"E | 1063 |
| P059 | A | N 9036.58 | E 22579.09 | N13° 55'48"E | 1066 |
| P060 | B | N 9249.20 | E 22367.55 | N33° 34'51"W | 1064 |
| P061 | B | N 9326.52 | E 22484.26 | N33° 34'51"W | 1069 |
| P062 | B | N 9231.15 | E 22463.55 | N33° 34'51"W | 1067 |
| P063 | B | N 9199.12 | E 22538.23 | N33° 34'51"W | 1068 |
| P064 | B | N 9135.79 | E 22442.84 | N33° 34'51"W | 1064 |
| P065 | B | N 9105.96 | E 22520.86 | N33° 34'51"W | 1066 |
| P066 | A | N 9143.34 | E 22597.98 | S79° 45'21"W | 1069 |
| P067 | A | N 9238.82 | E 22591.07 | N87° 44'10"W | 1071 |
| P068 | A | N 9320.94 | E 22601.46 | N77° 33'40"W | 1073 |

NOTE:
POLES P077 - P085 ARE PART OF TASK 44 DESIGN PACKAGE AND ARE SHOWN ON TASK 44 SCHEDULE SHEET.

2 SU1-04

## ROADWAY/PARKING LOT LIGHTING BASE LOCATION

| POLE NUMBER | FIXTURE TYPE | COORDINATE (NORTHING) | COORDINATE (EASTING) | FIXTURE HEAD ORIENTATION (BEARING) | TOP ELEVATION (POLE BASE) | |
|---|---|---|---|---|---|---|
| P069 | B | N 9344.46 | E 22388.33 | N33° 34'51"W | 1066 | |
| P070 | B | N 9420.33 | E 22502.61 | N33° 34'51"W | 1070 | |
| P071 | A | N 9453.89 | E 22550.26 | N6° 24'25"E | 1073 | |
| P072 | A | N 9411.37 | E 22577.34 | S70° 20'22"E | 1073 | |
| P073 | B | N 9362.39 | E 22292.40 | N33° 34'51"W | 1063 | |
| P074 | A | N 9427.80 | E 22280.61 | S22° 40'39"E | 1065 | |
| P075 | A | N 9452.88 | E 22357.39 | S10° 15'3"E | 1068 | |
| P076 | A | N 9476.72 | E 22456.44 | S13° 52'4"E | 1073 | |
| P086 | A | N 10422.70 | E 22163.21 | S38° 55'2"E | 1106 | |
| P087 | A | N 10469.67 | E 22227.93 | S35° 15'35"E | 1100 | |
| P088 | A | N 10509.78 | E 22297.26 | S27° 7'37"E | 1095 | |
| P089 | A | N 10552.83 | E 22398.53 | S18° 59'44"E | 1088 | |
| P090 | A | N 10581.12 | E 22504.88 | S10° 51'51"E | 1084 | |
| P091 | A | N 10521.41 | E 22507.41 | N52° 55'15"W | 1083 | |
| P092 | A | N 10442.68 | E 22435.19 | N33° 38'2"W | 1083 | |
| P093 | A | N 10381.81 | E 22343.57 | N33° 38'2"W | 1084 | |
| P094 | A | N 10308.49 | E 22263.29 | N34° 36'57"W | 1093 | |
| P095 | A | N 10177.08 | E 22012.76 | S48° 18'32"E | 1099 | |
| P096 | A | N 10123.42 | E 22022.07 | N16° 49'52"W | 1099 | |
| P097 | C | N 10048.48 | E 22092.45 | N11° 22'58"E | 1094 | |
| P098 | A | N 10030.20 | E 22171.13 | N11° 22'58"E | 1092 | |
| P099 | A | N 10184.45 | E 21930.78 | N0° 0'0"W | 1099 | |
| P100 | C | N 10228.75 | N 21874.38 | S0° 0'0"E | 1098 | |
| P101 | A | N 10124.76 | E 21937.50 | S66° 49'28"E | 1097 | |
| P102 | A | N 10026.11 | E 21905.52 | S79° 18'25"E | 1090 | |
| P103 | C | N 9962.50 | E 21885.82 | S40° 53'40"E | 1084 | |
| P104 | A | N 9582.35 | E 22215.01 | S9° 27'7"E | 1066 | |
| P105 | A | N 9587.26 | E 22310.09 | S5° 19'9"E | 1066 | |
| P106 | A | N 9600.29 | E 22390.61 | S11° 43'49"E | 1066 | |
| P107 | A | N 9627.99 | E 22444.93 | S32° 49'37"W | 1064 | |
| P108 | A | N 9707.76 | E 22387.07 | S56° 22'19"W | 1073 | |
| P109 | A | N 9653.97 | E 22498.50 | S35° 24'7"W | 1063 | |
| P110 | A | N 9733.35 | E 22441.99 | S56° 21'40"W | 1057 | |
| P111 | A | N 9698.77 | E 22560.93 | S56° 21'45"W | 1065 | |
| P112 | A | N 9790.38 | E 22500.05 | S56° 21'50"W | 1074 | |
| P113 | A | N 9724.11 | E 22645.05 | S29° 47'27"E | 1061 | |
| P114 | A | N 9766.76 | E 22712.70 | S34° 43'44"E | 1058 | |
| P115 | A | N 9815.07 | E 22776.43 | S39° 40'13"E | 1057 | |
| P116 | A | N 9844.73 | E 22763.50 | N47° 58'10"E | 1060 | |
| P117 | C | N 9905.88 | E 22697.94 | S39° 29'24"E | 1065 | |
| P118 | C | N 9862.86 | E 22640.55 | S33° 32'6"E | 1068 | |
| P119 | C | N 9834.02 | E 22595.35 | S28° 3'33"E | 1068 | |
| P120 | A | N 9593.02 | E 22492.27 | N17° 46'57"W | 1064 | |
| P121 | A | N 9608.61 | E 22603.59 | N23° 59'55"W | 1060 | |
| P122 | A | N 9659.73 | E 22701.41 | N31° 0'55"W | 1059 | |
| P123 | A | N 9696.17 | E 22762.38 | N54° 37'5"E | 1056 | |
| P124 | A | N 9729.04 | E 22804.45 | S51° 6'54"W | 1056 | |
| P125 | A | N 9802.59 | E 22888.25 | N46° 51'45.3"W | 1056 | |
| P126 | A | N 9866.43 | E 22915.90 | N49° 52'42"W | ? | |
| P127 | A | N 9942.95 | E 22967.79 | N59° 10'24"W | ? | |
| P128 | A | N 10027.72 | E 23014.09 | N62° 53'28"W | ? | |
| P129 | A | N 10104.86 | E 23034.49 | N77° 43'14.86"W | ? | |
| P130 | B | N 9817.63 | E 23094.82 | N31° 2'56"W | ? | CONDUIT STUB-UP ONLY |
| P131 | B | N 9876.76 | E 23192.87 | N31° 2'5"W | 1054 | CONDUIT STUB-UP ONLY |
| P132 | A | N 9941.05 | E 23167.59 | N31° 2'54"W | ? | CONDUIT STUB-UP ONLY |
| P133 | B | N 9785.07 | E 23172.20 | N31° 2'5"W | 1049 | CONDUIT STUB-UP ONLY |
| P134 | B | N 9693.29 | E 23151.58 | N31° 2'5"W | 1050 | CONDUIT STUB-UP ONLY |
| P135 | B | N 9760.34 | E 23262.95 | N31° 2'5"W | 1046 | CONDUIT STUB-UP ONLY |
| P136 | A | N 9693.99 | E 23284.81 | N31° 2'5"W | 1045 | CONDUIT STUB-UP ONLY |
| P137 | A | N 9631.23 | E 23227.36 | N12° 51'22.1307"E | 1046 | CONDUIT STUB-UP ONLY |
| P138 | A | N 9610.47 | E 23314.94 | N14° 15'16.7426"E | 1039 | CONDUIT STUB-UP ONLY |
| P139 | A | N 9643.81 | E 23377.24 | S88° 36'38.7967"W | 1036 | CONDUIT STUB-UP ONLY |
| P140 | A | N 9742.23 | E 23364.93 | S74° 30'20.9324"W | 1040 | CONDUIT STUB-UP ONLY |
| P141 | A | N 9839.31 | E 23328.20 | S64° 00'54"W | ? | CONDUIT STUB-UP ONLY |
| P142 | A | N 9925.98 | E 23278.42 | S58° 45'42"W | ? | CONDUIT STUB-UP ONLY |
| P143 | A | N 10011.48 | E 23226.55 | S58° 45'41"W | ? | CONDUIT STUB-UP ONLY |
| P144 | A | N 10092.48 | E 23168.60 | S43° 8'7"W | ? | CONDUIT STUB-UP ONLY |
| P145 | A | N 10145.29 | E 23084.15 | S25° 31'56"W | ? | CONDUIT STUB-UP ONLY |

3 SU1-08

## FIXTURE SCHEDULE

| TYPE | MANUFACTURER | CATALOG NUMBER | LAMPS | | | MOUNTING | REMARKS |
|---|---|---|---|---|---|---|---|
| | | | QTY. | WATTS | TYPE | | |
| A | STERNER (SOFTFORM - FONTANA) | TYPE 2 REFLECTOR FN-21-A-10-2-FL-250-H-480-XG (FIXTURE) | 1 | 250 | METAL HALIDE LAMP MVR250/U | POLE | SITE/AREA/ROADWAY LIGHITNG FIXTURE ALUMINUM HOUSING, SEALED OPTICAL CHAMBER. POWDER COAT NATURAL ALUMINUM FINISH |
| | STERNER (PREMIER) | SFA-25-D-10-FP-XG (25' POLE) | --- | --- | --- | 25'-0" POLE MOUNTED ON 36" BASE SEE DETAIL 1, ULT6.34.01 | 25'-0" SQUARE STRAIGHT ALUMINUM POLE, WITH ONE MOUNTING ARM, POWDER COAT NATURAL ALUMINUM FINISH |
| B | STERNER (SOFTFORM - FONTANA) | TYPE 5 REFLECTOR FN-21-A-28-5-FL-250-H-480-XG (FIXTURES) | 2 | 250 | METAL HALIDE LAMP MVR250/U | POLE | SITE/AREA/ROADWAY LIGHITNG FIXTURES ALUMINUM HOUSING, SEALED OPTICAL CHAMBER. POWDER COAT NATURAL ALUMINUM FINISH |
| | STERNER (PREMIER) | SFA-25-D-28-FP-XG (25' POLE) | --- | --- | --- | 25'-0" POLE MOUNTED ON 36" BASE SEE DETAIL 2, ULT6.34.01 | 25'-0" SQUARE STRAIGHT ALUMINUM POLE, WITH TWO MOUNTING ARMS, POWDER COAT NATURAL ALUMINUM FINISH |
| C | STERNER (SOFTFORM - FONTANA) | TYPE 4 (FOWARD THROW) REFLECTOR FN-21-A-10-F-FL-250-H-480-XG (FIXTURE) | 1 | 250 | METAL HALIDE LAMP MVR250/U | POLE | SITE/AREA/ROADWAY LIGHITNG FIXTURE ALUMINUM HOUSING, SEALED OPTICAL CHAMBER. POWDER COAT NATURAL ALUMINUM FINISH |
| | STERNER (PREMIER) | SFA-25-D-10-FP-XG (25' POLE) | --- | --- | --- | 25'-0" POLE MOUNTED ON 36" BASE SEE DETAIL 1, ULT6.34.01 | 25'-0" SQUARE STRAIGHT ALUMINUM POLE, WITH ONE MOUNTING ARM, POWDER COAT NATURAL ALUMINUM FINISH |

## ROADWAY/PARKING LOT LIGHTING BASE LOCATION

3 SU1-08

| POLE NUMBER | FIXTURE TYPE | COORDINATE (NORTHING) | COORDINATE (EASTING) | FIXTURE HEAD ORIENTATION (BEARING) | TOP ELEVATION (POLE BASE) | |
|---|---|---|---|---|---|---|
| P146 | B | --- | --- | --- | --- | NOT USED |
| P147 | B | N 9713.13 | E 23052.68 | N31° 2'55"W | ? | CONDUIT STUB-UP ONLY NEW POLE/LUMINAIRE |

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

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THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE SNS-ENG-G001

| REV | CHANGE TYPE | CHANGE CONTROL SYSTEM | CHANGE REQUEST NUMBER | DESCRIPTION | DSN | CHK | DEPT | DATE | PE | DATE | PJ | DATE | REQ | DATE | UTB | DATE | RPE | RPE NO | DATE | ST | CV | EC | EE | EM | IE | M | PD | SE | AR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | A | 4 | 8 | CNMS REVISIONS - DCN T1-SU1-08 12/09/02 | | | | | [illegible] | 1/03 | [illegible] | 1/03 | [illegible] | 1/03 | | | RS | 17982 | 12/09 | RW | BN | - | VS | - | - | - | JW | - | TW |
| 2 | C | 4 | 4 | LAND IMPROVEMENTS REVISIONS - 2/8/2002 | RB | RS | | | CLG | 10/30 | TM | 10/30 | | | JRL | 10/30 | RS | 17982 | 2/8 | RW | BN | - | KA | - | BJ | - | JH | - | WS |
| 1 | C | 4 | 2 | BASIS OF AWARD - 10/30/2001 | RB | RS | | | CLG | 11/15 | TM | 11/15 | | | JRL | 11/15 | RS | 17982 | 10/30 | RW | AW | BS | KA | BS | BJ | - | BS | - | WS |
| 0 | | | | CERTIFIED FOR CONSTRUCTION - 7/13/01 | RB | RS | | | JBS | 7/16 | TM | 7/16 | | | JRL | 7/16 | RS | 17982 | 7/13 | RW | AW | BS | KA | BS | BJ | - | BS | - | WS |

REVISION OR ISSUE PURPOSE / REVISION APPROVALS / SQUAD CHECK

RPE
ROBERT B. STEPHENS REGISTERED ENGINEER No. 17982 STATE OF TENNESSEE
REV. 3 DATE 12-5-02

| DRAWING APPROVALS | | |
|---|---|---|
| DSGN | R. BOOKER | 7/13/01 |
| DRW | R. BOOKER | 7/13/01 |
| CHKR | R. STEPHENS | 7/13/01 |
| SECT | | |
| DEPT | | |
| PE | J B SCHUBERT | 7/16/01 |
| PJ | T McLAUGHLIN | 7/16/01 |
| REQ | | |
| UTB | J R LAWSON | 7/16/01 |

108040000-U8E-8000-A161

Knight/Jacobs Joint Venture
701 Scarboro Road, MS 8253
Oak Ridge, TN 37830
865-241-9433
fax 865-241-3400

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UT-BATTELLE — Oak Ridge National Laboratory, managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725, UT-BATTELLE, LLC, • Oak Ridge, Tennessee

PROJECT NAME: SPALLATION NEUTRON SOURCE

# SITE UTILITIES LIGHTING SCHEDULES

| 1 | 48 | 49 | 50 | PLANT | BLDG | FL | SH. | OF | TYPE | CLASS |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | U | X | X | 8 | 8000 | X | 1 | 1 | S | U |

| 51 | 52 | 53 | WBS | DRAWING NUMBER | REV |
|---|---|---|---|---|---|
| NC | NA | IN | 1.8.4 | ULT9.34.01 | 3 |