PIPELINE CONTROL TABLE

Point Type	Station	Northing	Easting	Radius	Length	Tangent
POB	5+00.00	29257.63	57879.92			
PI	5+28.10	29274.93	57902.06			
PC	6+11.23	29264.80	57984.57			
PI	6+43.93	29260.81	58017.03	300.00	65.16	32.71
PRC	6+76.38	29263.92	58049.59			
PI	7+10.88	29267.19	58083.93	300.00	68.68	34.49
PT	7+45.07	29262.58	58118.11			
PC	8+40.29	29249.87	58212.48			
PI	8+63.52	29246.77	58235.50	1000.00	46.44	23.23
PT	8+86.74	29242.60	58258.35			
PC	9+32.70	29234.36	58303.57			
PI	9+65.77	29228.42	58336.10	1000.00	66.11	33.07
PT	9+98.81	29224.65	58368.95			
PC	10+91.09	29214.13	58460.62			
PI	11+00.92	29213.01	58470.40	1000.00	19.68	9.84
PT	11+10.76	29212.08	58480.19			
PC	11+69.91	29206.50	58539.08			
PI	11+99.02	29203.75	58568.06	300.00	58.03	29.11
PT	12+27.94	29195.48	58595.96			
PC	12+53.11	29188.33	58620.09			
PI	12+76.34	29181.73	58642.37	200.00	46.27	23.24
PT	12+99.37	29180.42	58665.57			
PC	15+16.05	29168.14	58881.89			
PI	15+27.10	29167.52	58892.94	200.00	22.09	11.06
PRC	15+38.14	29168.11	58903.98			
PI	15+57.22	29169.14	58923.03	150.00	37.95	19.08
PRC	15+76.09	29165.36	58941.73			
PI	15+86.80	29163.24	58952.22	100.00	21.33	10.71
PT	15+97.42	29163.39	58962.93			
PC	16+40.99	29164.01	59006.49			
PI	16+68.21	29164.40	59033.70	500.00	54.38	27.22
PT	16+95.37	29161.82	59060.80			
PC	17+86.08	29153.25	59151.10			
PI	18+09.51	29151.04	59174.43	300.00	46.76	23.43
PT	18+32.84	29145.23	59197.12			
PC	18+41.75	29143.02	59205.76			
PI	18+73.94	29135.04	59236.94	500.00	64.29	32.19
PT	19+06.04	29131.13	59268.89			
PC	20+25.65	29116.58	59387.61			
PI	20+37.96	29115.09	59399.83	300.00	24.60	12.31
PRC	20+50.25	29114.59	59412.13			
PI	20+70.87	29113.77	59432.72	300.00	41.16	20.61
PT	20+91.41	29110.14	59453.02			
PC	22+45.44	29083.00	59604.63			
PI	22+63.35	29079.84	59622.26	1000.00	35.82	17.91
PT	22+81.26	29077.32	59640.00			
PC	25+65.11	29037.35	59921.01			
PI	25+81.62	29035.02	59937.37	500.00	33.02	16.52
PT	25+98.13	29033.78	59953.84			

Point Type	Station	Northing	Easting	Radius	Length	Tangent
PC	26+14.74	29032.53	59970.40			
PI	26+30.91	29031.31	59986.53	500.00	32.33	16.17
PT	26+47.07	29029.06	60002.54			
PC	27+11.64	29020.05	60066.47			
PI	27+46.68	29015.17	60101.17	1000.00	70.05	35.04
PRC	27+81.68	29007.86	60135.44			
PI	28+25.50	28998.73	60178.29	1000.00	87.57	43.81
PRC	28+69.26	28993.38	60221.78			
PI	29+01.76	28989.42	60254.04	1000.00	64.98	32.50
PT	29+34.24	28983.36	60285.97			
PC	29+85.58	28973.80	60336.41			
PI	30+30.13	28965.50	60380.18	500.00	88.87	44.55
PRC	30+74.44	28949.59	60421.79			
PI	31+12.90	28935.86	60457.72	300.00	76.50	38.46
PRC	31+50.94	28931.63	60495.94			
PI	31+78.47	28928.61	60523.30	300.00	54.90	27.53
PT	32+05.84	28920.66	60549.65			
PC	33+10.72	28890.35	60650.06			
PI	33+54.44	28877.72	60691.92	1000.00	87.39	43.72
PT	33+98.11	28861.48	60732.52			
PC	34+57.21	28839.53	60787.39			
PI	35+07.39	28820.90	60833.98	1000.00	100.27	50.18
PT	35+57.48	28807.02	60882.20			
PI	37+46.37	28754.78	61063.72			
PI	37+56.37	28755.90	61073.65			
PI	37+66.37	28760.74	61082.40			
PI	38+42.38	28820.18	61129.78			
PI	38+47.38	28820.74	61134.75			
PI	38+83.99	28813.41	61170.62			
PI	38+92.30	28814.34	61178.87			
PI	40+78.20	28916.78	61334.00			
POE	41+44.07	28916.78	61399.87			

PROJECT CONTROL POINT TABLE

POINT	NORTHING	EASTING	ELEVATION	Description
CP-22	29151.089	57666.086	945.11	PK-NAIL
CP-36	29147.270	57967.632	942.51	PK-NAIL
CP-1000	29296.036	58187.181	937.50	PK-NAIL
CP-1001	29168.080	58206.562	942.16	PK-NAIL
CP-2009	29164.596	58499.935	947.25	PK-NAIL
CP-2010	29142.718	59183.238	928.74	PK-NAIL
CP-2011	29079.076	59591.456	931.40	PK-NAIL
CP-2012	28999.829	60024.333	926.00	PK-NAIL
CP-2013	28932.562	60410.688	923.48	PK-NAIL
CP-2014	28803.506	60704.671	923.72	PK-NAIL
CP-2015	28914.552	60887.356	925.13	PK-NAIL
CP-2016	28874.951	61231.355	923.34	PK-NAIL
CP-2017	29713.748	61189.968	949.82	PK-NAIL

* PLANS SHOW ADDITIONAL CONTROL POINTS THROUGHOUT THE Y-12 COMPLEX. FOR ADDITIONAL COORIDINATE INFORMATION REGARDING THESE CONTROL POINTS CONTACT Y-12.

HEADWORKS CONTROL TABLE

POINT NO	NORTHING	EASTING	ELEVATION	DESCRIPTION
1-001	29163.09	57719.34	943.85	EOP, PI, MATCH EXST
1-002	29181.41	57726.00	941.78	EOP, PT
1-003	29192.02	57738.04	940.72	GATE CL
1-004	29179.87	57738.56	940.97	EOP, PT
1-005	29172.42	57737.65	941.29	EOP, PI
1-006	29179.99	57737.57	941.00	EOP, PC
1-007	29168.20	57735.11	942.28	FENCE
1-008	29179.11	57736.45	941.15	FENCE
1-009	29162.81	57837.05	939.74	EDGE OF GRAVEL
1-010	29202.02	57783.42	940.00	BLDG
1-011	29200.84	57793.02	940.00	BLDG
1-012	29325.42	57833.96	NA	SECANT PILE WALL
1-013	29320.44	57874.49	NA	SECANT PILE WALL
1-014	29181.49	57790.65	940.00	PAD CORNER
1-015	29166.14	57788.76	939.69	PAD CORNER
1-016	29178.71	57839.00	940.00	EOP
1-017	29175.64	57838.63	940.00	PAD CORNER
1-018	29160.25	57836.74	939.69	PAD CORNER
1-019	29155.76	57836.40	941.84	FENCE
1-020	29173.04	57885.18	939.44	EOP
1-021	29158.76	57888.50	939.15	EDGE OF GRAVEL
1-022	29151.49	57889.33	941.95	FENCE
1-023	29152.68	57943.27	941.30	FENCE
1-024	29205.97	57945.14	939.16	EDGE OF GRAVEL
1-025	29222.93	57947.23	939.11	EDGE OF GRAVEL, PC
1-026	29227.47	57951.31	938.85	EDGE OF GRAVEL, PT
1-027	29235.27	57953.41	938.43	GATE CL
1-028	29224.51	57975.39	936.53	EDGE OF GRAVEL, PC
1-029	29216.51	57983.24	935.96	EDGE OF GRAVEL, PT
1-030	29249.15	57979.86	935.52	EDGE OF GRAVEL, PC
1-031	29241.31	57969.83	936.67	EDGE OF GRAVEL, PT
1-032	29225.34	57952.19	938.75	FENCE
1-033	29244.27	57945.75	938.92	EDGE OF GRAVEL, PC
1-034	29254.84	57926.35	939.03	EDGE OF GRAVEL, PT
1-035	29252.44	57894.93	939.42	EOP, PC
1-036	29262.89	57928.95	938.73	EDGE OF PATH, PT
1-037	29265.31	57963.97	935.50	PATH
1-038	29269.28	57964.46	935.41	PATH
1-039	29257.02	57945.39	937.03	FENCE
1-040	29271.18	57975.53	935.37	EDGE OF PATH
1-041	29274.92	57975.99	935.25	EDGE OF PATH
1-042	29269.42	57946.91	936.35	GATE CL
1-043	29261.03	57947.28	935.65	PATH
1-044	29282.26	57948.49	935.59	FENCE
1-045	29266.21	57925.83	938.88	EDGE OF PATH, PC
1-046	29270.46	57919.62	939.05	EDGE OF GRAVEL, PT
1-047	29277.70	57919.63	939.02	EDGE OF GRAVEL, PC
1-048	29283.70	57920.36	938.55	EDGE OF GRAVEL, PI
1-049	29258.74	57992.89	935.15	PATH
1-050	29270.93	58008.52	935.93	PATH
1-051	29291.40	57871.73	939.96	END OF FENCE
1-052	29289.65	57870.67	940.00	EDGE OF GRAVEL
1-053	29280.99	57873.68	939.70	EDGE OF SIDEWALK
1-054	29267.61	57872.04	939.50	EDGE OF STAIRS
1-055	29255.79	57867.52	939.46	EOP, PI
1-056	29293.97	57853.15	939.97	EOP
1-057	29306.54	57750.74	939.90	EOP
1-058	29300.79	57725.80	941.08	FENCE
1-059	29241.56	57788.27	939.71	EOP
1-060	29244.46	57764.67	940.00	EOP
1-061	29230.29	57762.89	940.00	EOP
1-062	29203.69	57741.49	940.00	EOP
1-063	29208.16	57746.06	939.89	EOP, PC
1-064	29281.27	57723.40	926.70	FENCE
1-065	29213.22	57740.64	939.67	FENCE
1-066	29272.92	57712.71	940.72	FENCE
1-067	29207.07	57713.95	941.55	EOP, PC
1-068	29217.49	57705.90	941.00	FENCE
1-069	29231.66	57696.96	942.61	EOP, PT, MATCH EXST
1-070	29212.74	57890.06	940.00	CENTER STORMWATER STORAGE TANK
1-071	29222.29	57844.35	940.00	BLDG
1-072	29225.71	57841.42	939.67	BLDG
1-073	29255.49	57845.07	939.67	BLDG
1-074	29234.51	57728.48	940.00	BLDG
1-075	29283.81	57734.53	940.00	BLDG
1-076	29294.39	57871.26	940.00	RETAINING WALL
1-077	29286.00	57942.66	934.33	RETAINING WALL
1-078	29165.32	57788.63	940.05	RETAINING WALL
1-079	29153.93	57882.29	941.10	RETAINING WALL
1-080	29155.95	57906.06	939.88	RETAINING WALL
1-081	29287.44	57870.40	940.00	WALL CL, POB
1-082	29289.57	57853.03	940.00	FENCE
1-083	29288.51	57861.72	940.00	GATE CL
1-084	29304.46	57731.70	NA	SECANT PILE WALL
1-085	29308.74	57750.65	NA	SECANT PILE WALL
1-086	29292.57	57883.02	NA	SECANT PILE WALL
1-087	29176.18	57701.41	NA	4" SANW, CONNECT TO EXST
1-088	29186.20	57713.99	NA	4" SANW, BEND
1-089	29185.59	57718.98	NA	4" SANW, CAP
1-090	29119.91	57825.56	NA	HANDHOLE
1-091	29151.86	57837.49	NA	HANDHOLE
1-092	29296.15	57853.84	NA	SECANT PILE WALL
1-093	29293.59	57871.16	NA	SECANT PILE WALL
1-101	29283.70	57726.62	939.34	BEGIN SWALE
1-102	29245.20	57954.63	938.09	FENCE
1-103	29223.29	57717.44	938.73	END SWALE
1-104	29220.03	57723.41	938.96	END SWALE
1-105	29217.21	57749.77	939.93	BEGIN SWALE
1-106	29167.53	57788.89	939.72	BEGIN SWALE
1-107	29155.43	57887.39	939.09	END SWALE
1-108	29180.25	57856.02	939.43	END SWALE
1-109	29197.45	57846.08	939.36	SWALE
1-110	29236.32	57849.92	939.39	BEGIN SWALE
1-111	29241.20	57856.15	939.32	BEGIN SWALE
1-112	29249.10	57866.44	939.23	SWALE
1-113	29259.47	57884.22	939.14	END SWALE
1-114	29161.31	57921.41	939.09	BEGIN SWALE
1-115	29168.49	57946.89	938.88	SWALE, PC
1-116	29192.20	57973.21	937.19	SWALE, PT
1-117	29211.52	57980.90	936.24	END SWALE

YARD PIPING CONTROL TABLE

POINT NO.	NORTHING	EASTING	DESCRIPTION
1-201	29221.09	57719.27	SD, INLET A1
1-202	29208.7	57766.57	SD, INLET A2
1-203	29174.95	57762.43	SD, MH A1
1-204	29158.67	57907.38	SD, INLET A3
1-205	29174.08	57987.02	SD, MH
1-206	29175.78	57798.8	4" SANW, 90° BEND
1-207	29230.04	57805.46	4" SANW, BLDG
1-208	29185.59	57718.98	4" SANW, CAP
1-210	29094.67	59532.77	ROAD CROSSING
1-211	29079.74	59620.53	ROAD CROSSING
1-212	28864.07	60720.18	ROAD CROSSING
1-213	28845.3	60770.87	ROAD CROSSING
1-214	28823.98	61187.57	ROAD CROSSING
1-215	28873.31	61245.74	ROAD CROSSING
1-216	28820.46	61189.91	ROAD CROSSING
1-217	28868.55	61261.89	ROAD CROSSING
1-218	28860.39	61242.03	ROAD CROSSING
1-219	28860.18	61242.39	ROAD CROSSING

EXCAVATION PLAN CONTROL TABLE

POINT NO.	NORTHING	EASTING	ELEVATION
1-301	29227.94	57825.12	898.30
1-302	29235.93	57826.10	898.30
1-303	29234.58	57837.10	898.30
1-304	29226.59	57836.12	898.30
1-305	29219.68	57841.51	903.00
1-306	29225.77	57791.89	903.00
1-307	29223.78	57767.97	906.97
1-308	29229.43	57721.98	906.97
1-309	29290.31	57729.45	906.97
1-310	29284.66	57775.44	906.97
1-311	29267.44	57797.00	903.00
1-312	29261.34	57846.63	903.00
1-313	29194.75	57702.67	943.03
1-314	29279.16	57713.12	940.83
1-315	29278.55	57718.03	940.24
1-316	29282.91	57723.60	939.68
1-317	29301.67	57725.91	941.16
1-318	29288.43	57772.23	920.00
1-319	29300.44	57772.68	920.00
1-320	29301.51	57763.90	920.00
1-321	29291.03	57752.34	920.00
1-322	29290.49	57785.14	920.00

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PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE
	Ø	ISSUED FOR CONSTRUCTION	RT	DP	RT		LE	06/2017

REVISION OR ISSUE PURPOSE — REVISION APPROVALS (PE, DATE) — SQUAD CHECK (WE, AR, CV, ST, HV, EM, FP, PD, EE, IE, M, NP)

RPE — REV. — DATE

DRAWING APPROVALS		DATE
DRW	R TOWNSEND	06/13/17
CHKR	D PETERSON	06/13/17
DE	R TOWNSEND	06/13/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

UCOR URS | CH2M Oak Ridge LLC

OF200 Mercury Treatment Facility
Designed by URS|CH2M Oak Ridge LLC (UCOR) for the Department of Energy
Oak Ridge Office of Environmental Management
under U. S. Government contract DE-SC-0004645

Y-12 National Security Complex managed and operated by Consolidated Nuclear Security, LLC for the Department of Energy under U.S. Government contract DE-NA0001942
« Oak Ridge, Tennessee »

PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY

CIVIL
HEADWORKS AND TRANSFER PIPELINE CONTROL TABLES

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	C	M	R	NC	FAC	AR	E	9410-01	A	U

SH.	OF	TYPE		PART	REV
1	1	DD	C941001-F-0030	000	0

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ISSUED FOR CONSTRUCTION

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