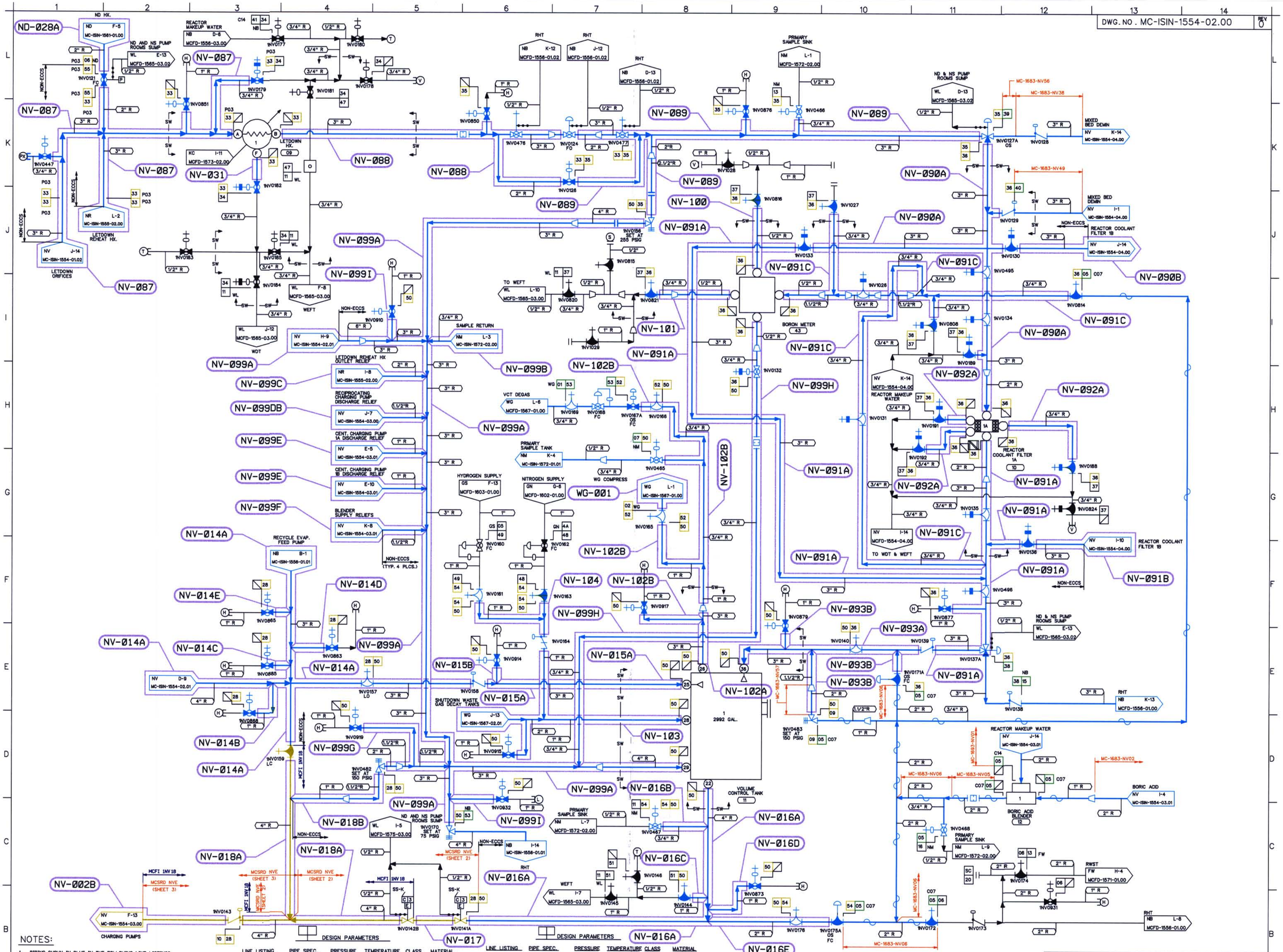

NOTES:

1. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWC-1222(a) OR (c): NV58.
2. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWC-1222(a): NV89, NV28, NV33, NV35, NV36, NV52, NV54, NV55.
3. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWD-1228(a)(1): NV85, NV38, NV39, NV48, NV53.
4. WELD ISO & MATH MODEL DRAWING REFERENCES ARE APPROXIMATE AND ARE FOR INFORMATION ONLY.

REFERENCE FLOW DIAGRAM MCFD-1554-02.00 REV. 18

ERN:MC0099WH

THIS DRAWING IS FOR INSERVICE INSPECTION ONLY AND SHALL NOT BE USED FOR OTHER PURPOSES SUCH AS MAINTENANCE, MODIFICATION, OR REPAIRS. THIS DRAWING SHALL BE REVISED WHEN AS-BUILT CHANGES AFFECT THE INSERVICE INSPECTION BOUNDARIES AND DETAILS OF THE COMPONENTS/SYSTEMS SHOWN.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
FW13	PS 151.4	150 PSIG	114 F	E	SS
GN4A	PS 150.4	150 PSIG	120 F	G	CS
GS05	PS 150.4	150 PSIG	120 F	F	CS
NB15	PS 151.3	150 PSIG	200 F	C	SS
NB41	PS 151.4	30 PSIG	100 F	E	SS
NB53	PS 151.3	50 PSIG	200 F	C	SS
ND08	PS 601.2	600 PSIG	350 F	B	SS
NM07	TS 2701.1	100 PSIG	200 F	C	ST
NM11	TS 2701.1	150 PSIG	200 F	E	ST
NM13	TS 2701.1	255 PSIG	150 F	E	ST
NM16	TS 2701.1	150 PSIG	175 F	E	ST
NV05	PS 151.3	150 PSIG	175 F	C	SS
NV06	PS 151.4	150 PSIG	175 F	E	SS
NV09	PS 151.2	150 PSIG	200 F	B	SS
NV10	PS 151.2	220 PSIG	189 F	B	SS
NV28	PS 151.2	150 PSIG	225 F	B	SS
NV33	PS 601.2	600 PSIG	383 F	B	SS
NV34	PS 601.4	600 PSIG	383 F	E	SS

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
NV35	PS 151.2	255 PSIG	150 F	B	SS
NV36	PS 151.2	255 PSIG	150 F	B	SS
NV37	PS 151.4	255 PSIG	150 F	E	SS
NV38	PS 151.3	150 PSIG	145 F	C	SS
NV39	PS 151.3	255 PSIG	145 F	C	SS
NV40	PS 151.3	255 PSIG	145 F	C	SS
NV47	PS 151.4	50 PSIG	200 F	E	SS
NV48	PS 151.4	150 PSIG	200 F	G	SS
NV49	PS 151.4	150 PSIG	200 F	F	SS
NV50	PS 151.2	75 PSIG	200 F	B	SS
NV51	PS 151.4	75 PSIG	200 F	E	SS
NV52	PS 151.2	100 PSIG	200 F	B	SS
NV53	PS 151.3	100 PSIG	200 F	C	SS
NV54	PS 151.2	150 PSIG	200 F	B	SS
NV55	PS 601.2	600 PSIG	383 F	B	SS
WG01	PS 151.3	100 PSIG	200 F	C	SS
WG02	PS 151.2	100 PSIG	200 F	B	SS
WL11	PS 151.4	50 PSIG	200 F	E	SS

LEGEND

- ISI CLASS 1
- ISI CLASS 2
- ISI CLASS 3
- ISI EXEMPT
- NON-ISI

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE
ORIG	RELEASED FOR ISI USE ONLY	TDM	12-12-00	PTF	12-12-00	RKR	12-14-00

WAIVED — INSPECTED: CIVIL, ELEC., MECH.

QA CONDITION 1,2, AND 4

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

ASME SECTION XI
INSERVICE INSPECTION NDE BOUNDARY OF CHEMICAL AND VOLUME CONTROL SYSTEM (NV)

DESIGNER	TIM MYERS	DATE 12-12-00	INSP.	WAIVED	DATE
DRAWN	TIM MYERS	DATE 12-12-00	INSP.	WAIVED	DATE
CHECKED	GARY D SCARBORO	DATE 12-13-00	APPR.	R. KEVIN RHYNE	DATE 12-14-00

SCALE — DWG. NO. MC-ISIN-1554-02.00 — REV 0

D-9