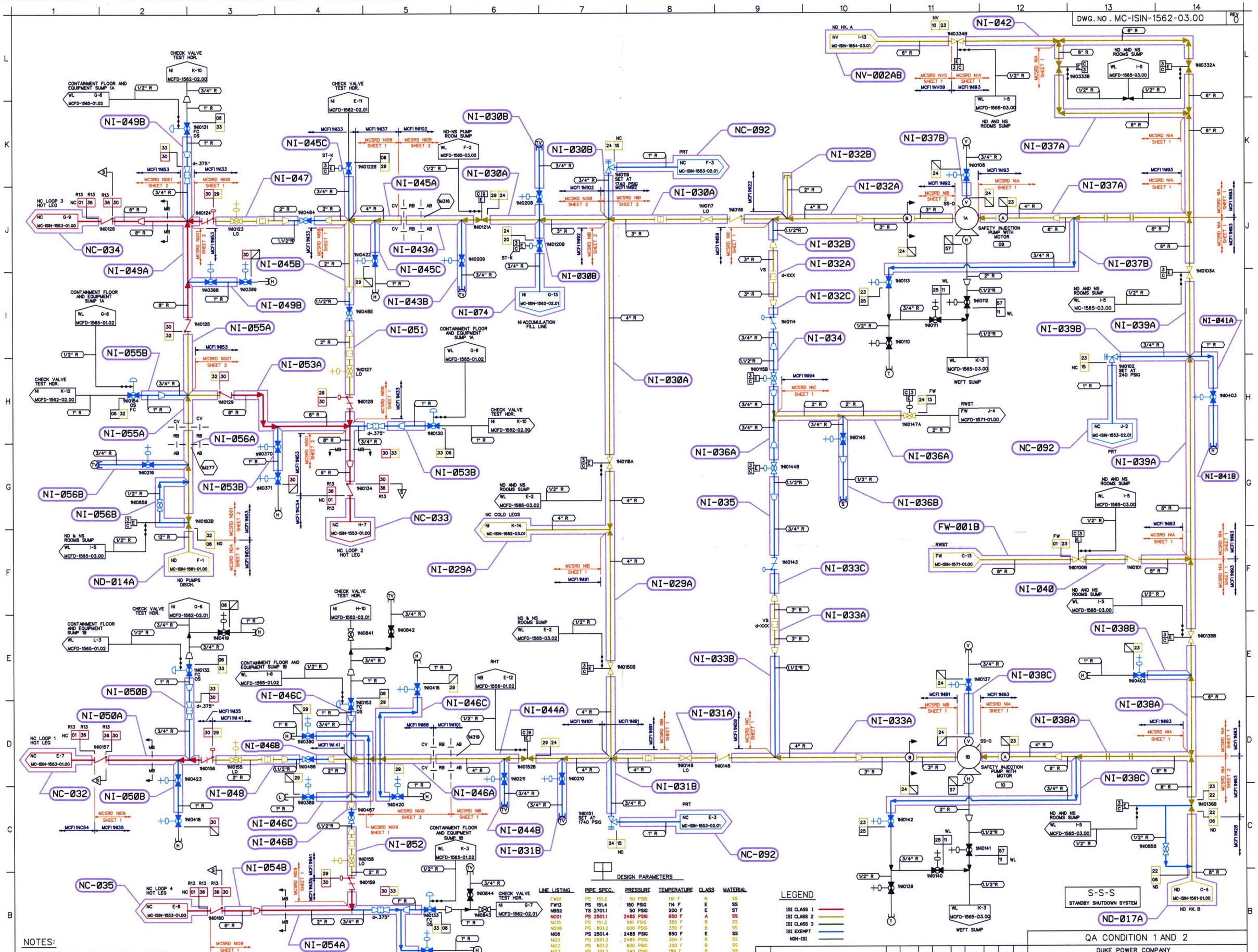
DWG. NO. MC-ISIN-1562-03.00 REV 0



NOTES:

1. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWB-1220(b)(1): NI30, NI36.
2. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWC-1221(b)(1), (c): NI28, NI22, NI-23, NI24, NI29, NI32, NI33.
3. WELD ISO & MATH MODEL DRAWING REFERENCES ARE APPROXIMATE AND ARE FOR INFORMATION ONLY.

REFERENCE FLOW DIAGRAM
MCFD-1562-03.00 REV. 7
ERN:MC0099WW

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
FW01	PS 151.2	50 PSIG	110 F	B	SS
FW13	PS 151.4	150 PSIG	114 F	E	SS
NB52	TS 2701.1	50 PSIG	200 F	E	ST
NC01	PS 2501.1	2485 PSIG	650 F	A	SS
NC15	PS 151.2	100 PSIG	350 F	B	SS
ND06	PS 601.2	600 PSIG	350 F	B	SS
NI06	PS 2501.4	2485 PSIG	650 F	E	SS
NI20	PS 2501.2	2485 PSIG	300 F	B	SS
NI22	PS 601.2	600 PSIG	350 F	B	SS
NI23	PS 301.2	240 PSIG	189 F	B	SS
NI24	PS 1501.2	1740 PSIG	189 F	B	SS
NI25	PS 1501.4	240 PSIG	189 F	E	SS
NI29	PS 2501.2	2485 PSIG	650 F	B	SS
NI30	PS 2501.1	2485 PSIG	650 F	A	SS
NI32	PS 2501.2	2485 PSIG	650 F	B	SS
NI33	PS 2501.2	2485 PSIG	650 F	B	SS
NI36	PS 2501.1	2485 PSIG	650 F	A	SS
NI57	PS 151.4	50 PSIG	200 F	E	SS
NV10	PS 151.2	220 PSIG	189 F	B	SS
WL11	PS 151.4	50 PSIG	200 F	E	SS
WL35	TS 2701.1	50 PSIG	200 F	E	ST
WL43	TS 2701.1	100 PSIG	200 F	E	ST

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 — CIVIL, ELEC., MECH. — INSPECTED

QA CONDITION 1 AND 2

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

ASME SECTION XI
INSERVICE INSPECTION NDE BOUNDARY OF SAFETY INJECTION SYSTEM
(NI)

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-1562-03.00 — REV 0

D-28