



- NOTES:
1. CONSTRUCTION VENT AND DRAINS.
 2. FLOW METERING ORIFICE TO MEASURE FLOW DURING PREOPERATIONAL TEST AND CALIBRATION.
 3. ADJUST VALVES IN FIELD TO LIMIT PUMP RUN OUT, THEN LOCK IN POSITION.
 4. VALVE BONNET PRESSURE EQUALIZATION LINE.

DESIGN PARAMETERS						
LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL	
82	2501.2	2750 PSIA	300°F	B	SS	
81	2501.4	2750 PSIA	300°F	A	SS	
49	2501.1	2750 PSIA	650°F	A	SS	

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CHL	ELEC	MCC	SCALE	DWG. NO.	CN-1562-1.0
10	REV PER CN-11387/00 IMP. DATE 5-17-99	VDC	5/24	WBL	5/24	RGW	5/24	REX	PLC	JBR			
9	REV PER CN-11381/00 (12-27-97)	VDC	12/31	B.J.L.	12/31	RGW	12/31	REX	CLH	JBR			
8	REV PER CE-60101	EDS	5/27	RM	5/27	KLE	5/27	REX	CLH	JBR			
	APPROVED & RELEASED	RWH		CLS	5/27								

QA CONDITION 2
QA CONDITION 1
DUKE POWER COMPANY
CATAWBA NUCLEAR STATION UNIT 1
FLOW DIAGRAM OF
SAFETY INJECTION SYSTEM
(N1)

Certified as of 5/24/99

D-04