

**IGN CONDITIONS FOR CONCRETE DISCHARGE PIPE**

The short-up condition will be an internal positive pressure  
 30 feet of water above atmospheric pressure.  
 normal operating design condition will be an internal  
 positive pressure of 12 feet of water below  
 atmospheric pressure.  
 normal design loading on pipe shall be based on  
 20 truck loading (two trucks passing) on five feet  
 compacted sand backfill.  
 or Bedding condition see Typical Section of  
 discharge pipe.

7. All interior surfaces of concrete structure  
 for the circulating water system shall be  
 a rubbed smooth finish in accordance with  
 Specification No. 62.37-201 (Concrete).  
 8. Severely two (2) inch discharge pipe shall be Reinforced concrete We  
 Pipe - Nonglinder Type. Not Prestressed, meeting the requirement  
 American Water Works Association, Specification C302-57. 77  
 joints shall be of the round rubber gasket type, using a steel b  
 and spigot design as manufactured by Lock Joint Pipe Comp  
 and meeting requirements of Lock Joint Pipe Company's  
 Specification SP-1-57. Inside and outside of joint shall be  
 filled with mortar after installation according to recommend  
 American Concrete Pipe Association. Nominal wall thickness  
 pipe shall be seven (7) inches. Concrete for pipe shall have  
 minimum compressive strength of 4500 psi at 28 days. R  
 of concrete compression tests made at 7 and 28 da  
 shall be submitted to Purchaser.

This is one of a set of 5 drawings - MKI-5-11 through MKI-5-15.

PUBLIC SERVICE CO. OF N.H.  
 UNIT NO. 1  
 JACKSON & MORELAND, INC., ENGINEERS  
 BOW, N.H.  
 MERRIMACK STATION  
 BOSTON - NEW YORK

CIRCULATING WATER STRUCTURES SH. 1  
 KEY PLAN, LOADING DIAGRAM, & DETAILS

RECORD NUMBER  
 6237

SCALE  
 AS NOTED... IN. = 1 FOOT  
 MKI-S-11

DA 6237-445

AR2

AR2365

BY	DATE	CHIEF DESIGNER
BY	DATE	ENGINEER
BY	DATE	DEPARTMENT HEAD
BY	DATE	PROJECT MANAGER

APPROVED: *[Signature]* June 19, 1958.