



## DRAWING NOTES:

- STEAM DISTRIBUTION PIPING REFERS TO HIGH-PRESSURE STEAM (HPS), PUMPED CONDENSATE RETURN (COND), AND HIGH-PRESSURE RETURN (HPC).
- 2. THE CONTRACTOR SHALL COORDINATE WITH THE UNIVERSITY FOR ANY STEAM SHUTDOWNS REQUIRED TO COMPLETE THE
- 3. THE UTILITY SURVEY PROVIDED BY THE UNIVERSITY SHOWS THE LOCATION OF THE MANHOLE COVER, NOT THE EDGE OF THE MANHOLE. WHEN RELEASING MATERIALS FOR FABRICATION, THE CONTRACTOR SHALL ORDER AN ADDITIONAL 10 FEET OF PIPING FOR EACH SYSTEM TO ENSURE THE PIPE HAS SUFFICIENT LENGTH FOR INSTALLATION.
- 4. INSTALL DIRECT-BURIED STEAM DISTRIBUTION PIPING FOLLOWING THE REQUIREMENTS OF THE PIPE MANUFACTURER. THE REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO:
- 4.1. MINIMUM COVER (DETAIL 3/M-502),
- 4.2. DISTANCE BETWEEN PIPES, AND BETWEEN PIPES AND EDGES OF EXCAVATION (DETAIL 3/M-502),
- 4.3. WALL PENETRATION REQUIREMENTS (DETAIL 4/M-502),
- 4.4. THRUST BLOCKS AT ALL CHANGES OF DIRECTIONS (DETAILS 5/M-502 AND 6/M-502),
- 4.5. THRUST BLOCKS AT WALL PENETRATIONS (DETAIL 7/M-502)
- REFER TO "SITE RESTORATION NOTES" ON DRAWING T-002 FOR INFORMATION ABOUT FINAL GRADE AND SITE RESTORATION.
- 6. DIRECT-BURIED PIPING THRUST RESTAINT SYSTEM TO BE DESIGNED BY THE MANUFACTURER OF THE DIRECT-BURIED PIPING SYSTEM.
- 7. NO SURVEY INFORMATION PROVIDED. INVERT ELEVATIONS OF EXISTING STORM DRAIN PIPING CROSSING THE NEW STEAM DISTRIBUTION SYSTEM ARE APPROXIMATE BASED ON FIELD OBSERVATIONS. THE CONTRACTOR SHALL CONFIRM ALL PIPE INVERTS IN THE FIELD PRIOR TO RELEASING MATERIALS FOR FARRICATION

## DIRECT-BURIED PIPING SYSTEM SCHEDULE

PIPE START SECTION	PIPE END SECTION	SYSTEM	NOMINAL SIZE	CASING OD	REQUIRED MANUFACTURER	REQUIRED PIPING SYSTEM
NORTH STEAM VAULT (SEA05-ST-0011)	NORRIS MANHOLE (SEA05-ST-0030)	HPS	6"	12.50"	THERMAL PIPE SYSTEMS INC.	SUPER TEMP-TITE
		COND	4"	9.38"	THERMAL PIPE SYSTEMS INC.	SUPER TEMP-TITE
		HPC	3"	8.38"	THERMAL PIPE SYSTEMS INC.	SUPER TEMP-TITE
NORRIS MANHOLE (SEA05-ST-0030)	TILLMAN HALL	HPS	3"	8.38"	THERMAL PIPE SYSTEMS INC.	SUPER WELD-TITE
		COND	1.25"	6.38"	THERMAL PIPE SYSTEMS INC.	SUPER WELD-TITE
		HPC	0.75"	6.38"	THERMAL PIPE SYSTEMS INC.	SUPER WELD-TITE

## NOTES:

- 1. REFER TO SPECIFICATION SECTION 33 61 00 ON DWG. M-703 FOR ADDITIONAL INFORMATION.
- 2. PIPING SYSTEM MANUFACTURER TO SIZE THRUST BLOCKS.

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AT THE SCA	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER THIS DOCUMENT. THIS DRAWING WAS PRE AT THE SCALE INDICATED. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE TO DETERMINE THE ACTUAL SIZE. DRAWING IS NOT SCALABLE IF NO SCALE BAR IS PRESENT.							
Project Details  NEUBER DEMOLITION & ENVIRONMENTAL		Drawing Title	RAMBOLL					
		IRONMENTAL LUTILITY PLAN - STEAM DISTRIBUTION	RAWRU					

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ocation: IOHNSTONE SITE	Designer / Professional El B.Biggers	ngineer Responsible:						
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