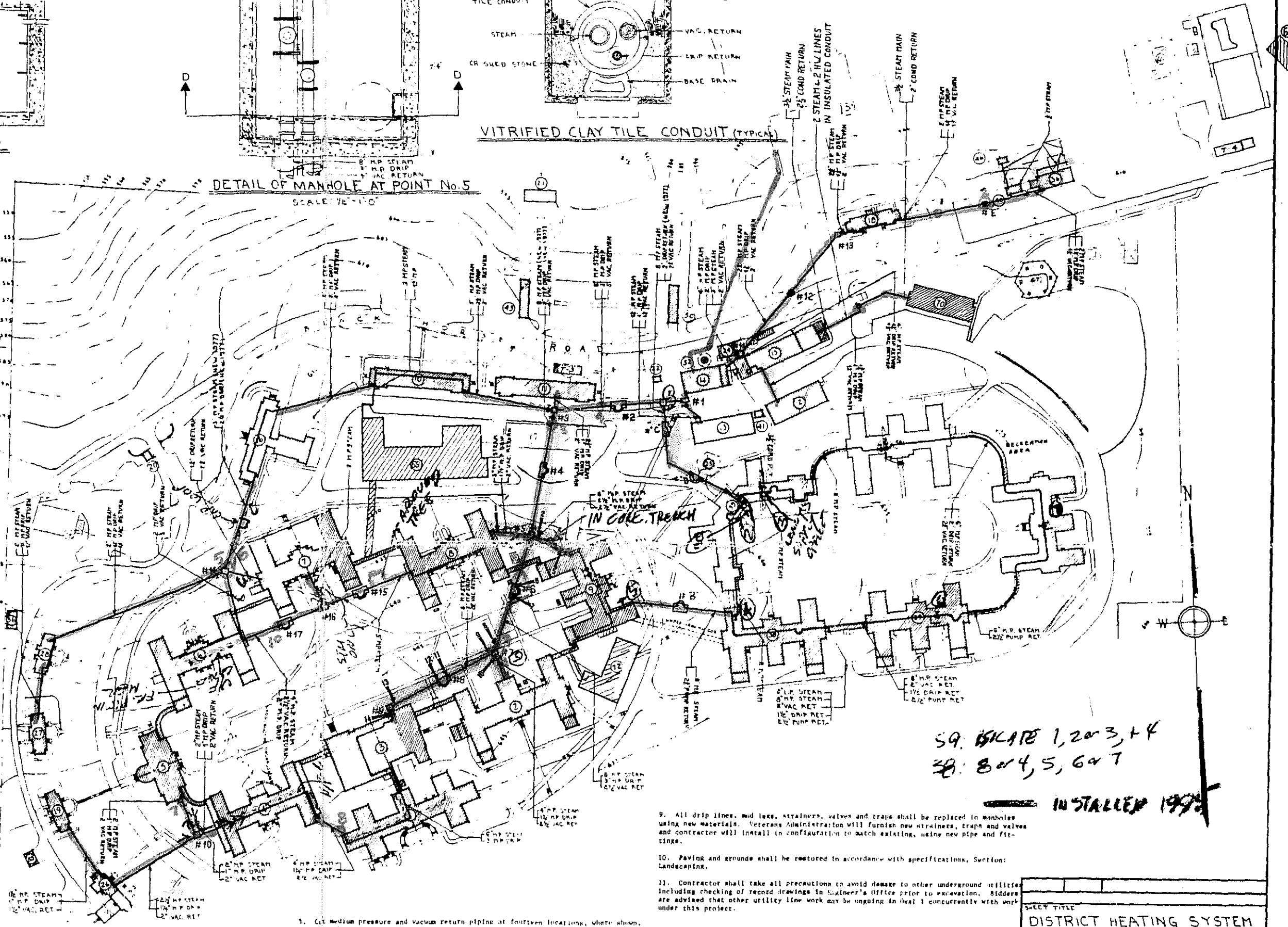


5 AT POINTS No. 6-8
1/4" = 1'-0"



GENERAL NOTES

1. Uncover steam line envelope with care to avoid puncturing, cracking, chipping or breaking the tile sections. Saw cut concrete walks and pavement prior to demolition.
2. Maintain foot traffic on the 2 main East-West sidewalks in Oval 1 and the walkway from West stairwell in Bldg. 2 with temporary bridges with sturdy handrails. Also, maintain traffic for grounds maintenance equipment on driveway from overhead door in corridor between Bldgs. 2 and 3. Adequately barricade the open trench and work areas.
3. Carefully remove top half of vitrified clay conduit sections, setting aside for reinstallation. Where sections of cover base, or drain portions of the vitrified clay envelope are broken, replace with new sections to match existing damaged pieces.
4. Remove existing pipe insulation completely in envelopes, manholes and expansion joint pits.

5. Cut medium pressure and vacuum return piping at fourteen locations, where shown, with carbide blade saw, removing a section approximately 18 inches long at each location. After internal inspection of the return pipes by the Resident Engineer, either weld the sections back into place after beveling edges for proper welding or replace pipes with new Schedule 40 black steel pipes to the extent directed by the Resident Engineer. New pipe will be paid for at the bid price for each size pipe involved. Unit prices should include costs for temporary lines to return condensate to the Boiler Plant during replacement operations. Condensate may be dumped during cutting for inspection, and restoration.
6. Test both medium pressure and vacuum return piping as specified prior to insulating.
7. Cover existing steam piping and new and existing return piping with new insulation as specified, after notice of satisfactory testing from the Resident Engineer. Insulation work shall include all pipe, fittings and accessories in envelopes, manholes and pits, including uninsulated pipes of recent vintage in Manhole No. 5.
8. Install sections of conduit envelope with Portland Cement, lime and sand mortar applied uniformly and fully at base and bell joints to provide a waterproof envelope. After mortar in joints has cured for a full 24 hours, cover the mortar joints with a uniform brush coat of T. P. Mastic as manufactured by The Tapercon Co., Evanston, Ill. Following another full 24-hour period to allow Tapercon to cure, backfill may begin in strict accordance with the specifications.

9. All drip lines, mud logs, strainers, valves and traps shall be replaced in manholes using new materials. Veterans Administration will furnish new strainers, traps and valves and contractor will install in configuration to match existing, using new pipe and fittings.
10. Paving and grounds shall be restored in accordance with specifications, Section: Landscaping.
11. Contractor shall take all precautions to avoid damage to other underground utilities including checking of record drawings in Engineer's Office prior to excavation. Bidders are advised that other utility line work may be ongoing in Oval 1 concurrently with work under this project.

S9. BILKATE 1, 2, 3, & 4
S8. 8, 4, 5, 6 & 7

INSTALLED 1978

SHEET TITLE		
DISTRICT HEATING SYSTEM STEAM DISTRIBUTION PLAN & DETAILS		
PROJECT TITLE		
REPLACE STEAM LINES		
DRAWN W.T.K.	CHECKED RKH	DATE MAY 21, 1979
APPROVED DIVISION CHIEF R.W.C. CRAIN		DRAWING NO. D-1
		PROJECT NUMBER 79-110
VETERANS ADMINISTRATION		

14-0-1-1093