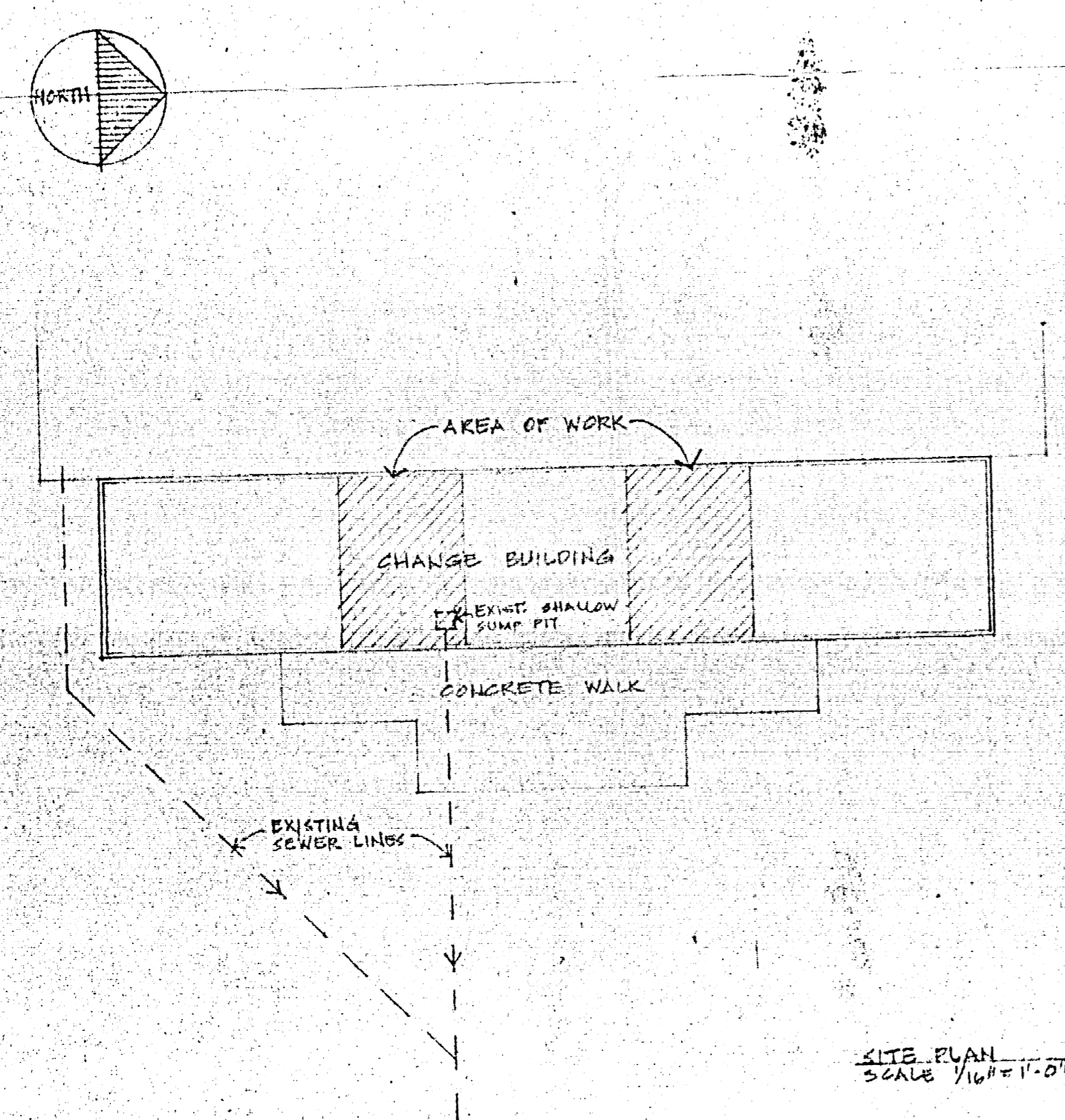
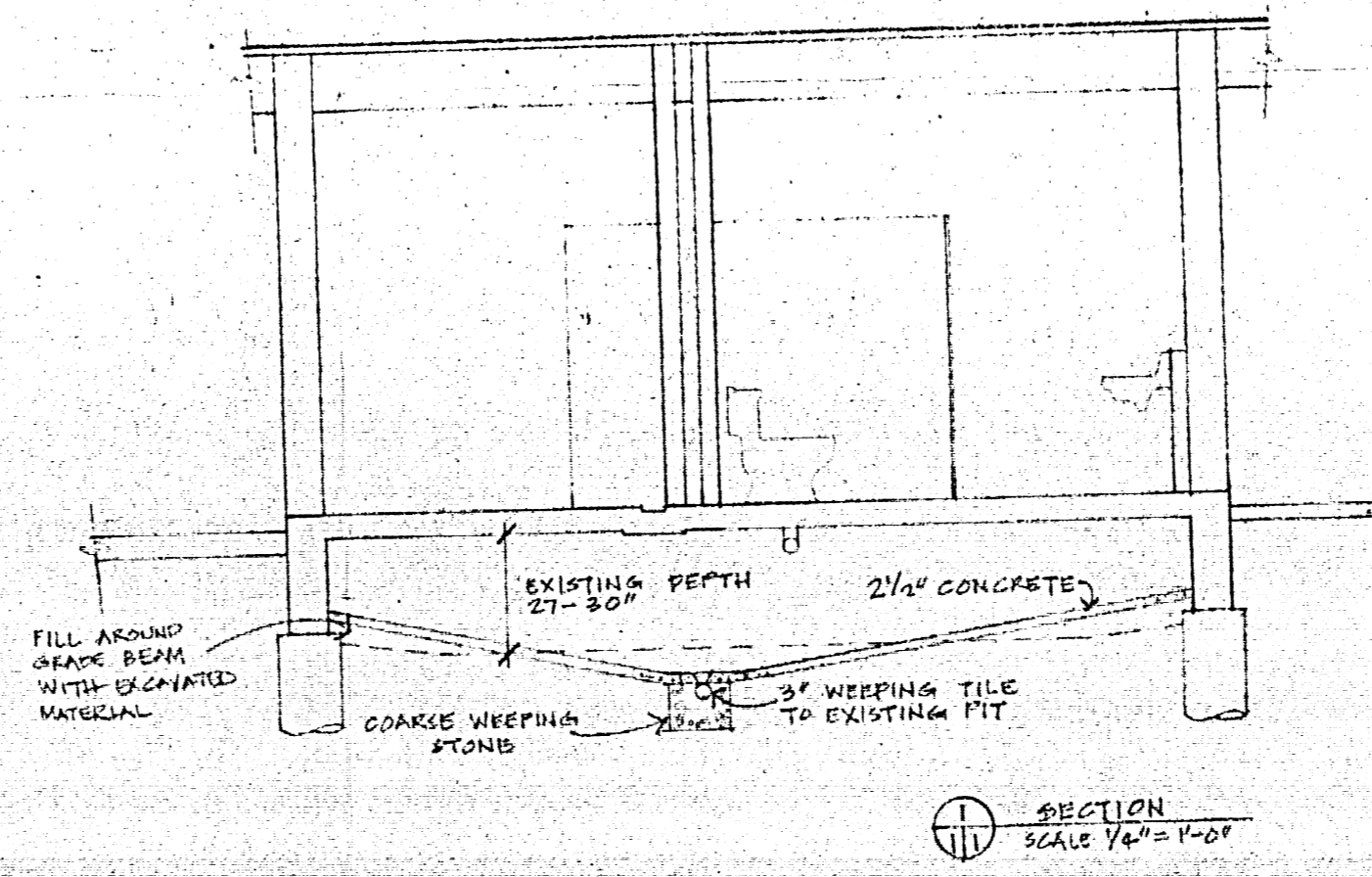


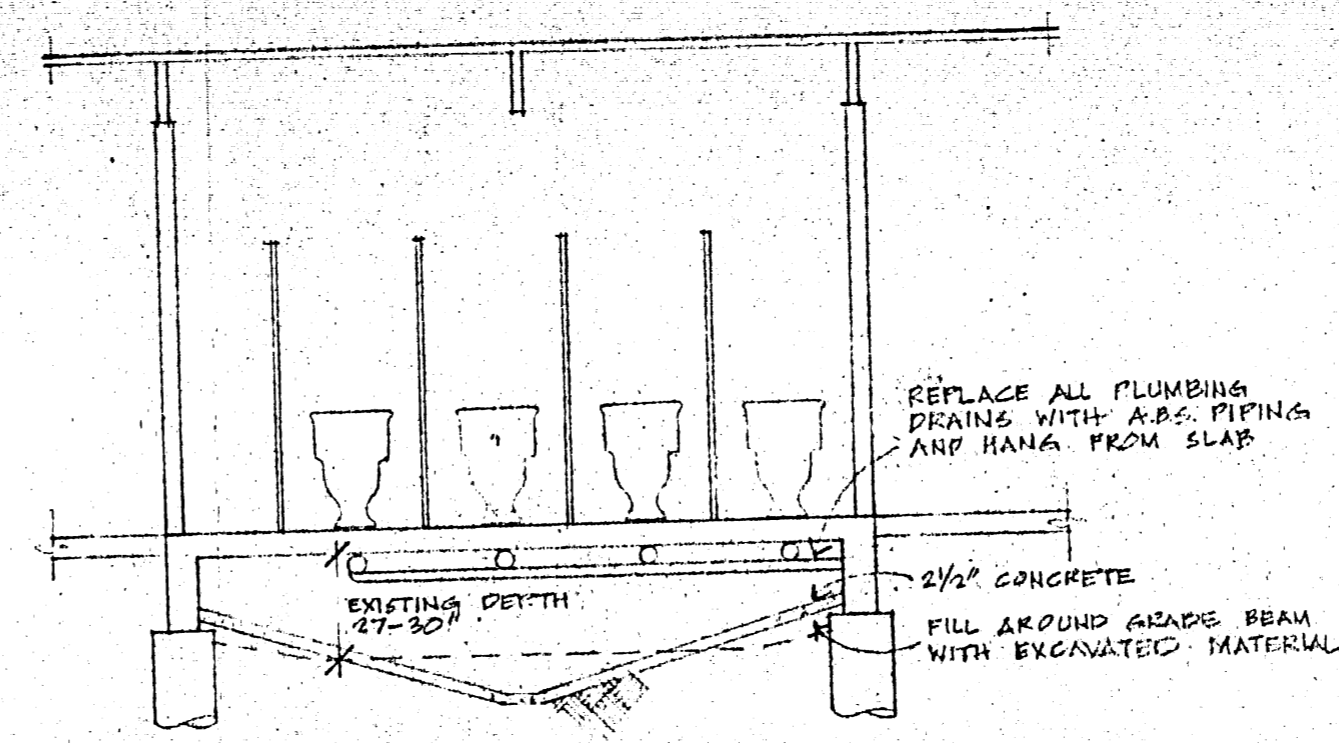
PLAN
SCALE 1/4" = 1'-0"



SITE PLAN
SCALE 1/16" = 1'-0"



SECTION
SCALE 1/2" = 1'-0"



SECTION
SCALE 1/2" = 1'-0"
SECTION SIMILAR

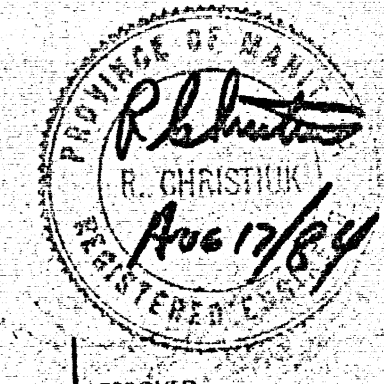
WORK INCLUDED IN THIS CONTRACT

- GENERAL**
The object of this contract is to replace the existing cast iron drainage piping in the crawlspace with new plastic lines suspended from the floor, drain the crawlspace, and pour tremi-concrete in the crawlspace. The existing drainage piping was installed on the ground and is prone to frost heaving during the winter.
- EXCAVATION AND CONCRETE**
- Present crawlspace is to be deepened at the centre and the excavated material is to be placed around the grade beam. It will not be necessary to remove any excavated material from the crawlspace.
- Install 3" diam. weeping (P.V.C.) piping under each of the washroom crawlspaces with drains into the existing concrete sump below the girls' washroom.
- Weeping piping shall be installed in a trench approximately 12" x 12" which is to be filled with screened-washed drainage stone. A connecting drain must be installed below the mechanical room floor by auguring, pushing or by open cut.
- Once excavation is shaped for drainage, cover entire crawlspace with 2-1/2" thick concrete. Install a 6" cast iron floor drain connected to weeping tiles for drainage. Concrete shall be 15Mpa and finished with a wood float.
- PLUMBING - DRAINS**
- Remove all existing cast iron drainage piping within crawlspaces. Replace same with new A.B.S. or P.V.C. drainage piping and suspend same from concrete floor slabs. New piping shall be suspended using Grinnell type saddle hangers.
- All piping shall be carried out by a licensed plumber and all work shall comply with the latest edition of the Manitoba Building Code, where the main drains connect to the main cast iron drain below grade, install 2 slip joints or MJ clamps to provide for soil movement. Install clean-outs at ends of all lines and slope all lines a minimum of 1/4 inch per foot.
- Install new plastic piping to all wash basins, fountains, floor drains, water closets, urinals and showers. Water closets must be removed and new flanges shall be installed.
- The following minimum pipe sizes shall be used:

Water Closets	3" Ø
Wash Basins	1-1/2" Ø
Showers	2" Ø
Grouping of Sinks or Showers	3" Ø
Main Drain	4" Ø

- It is not intended to install new drainage lines within walls which are connected to fixtures or embedded in concrete. New lines are to be connected to these lines.
- PLUMBING - HOT AND COLD WATER PIPING**
- Remove all hot and cold water piping in both crawlspaces and install same along upper portion of walls and inside walls where possible. Existing piping is mostly copper and may be reused.
- All new lines shall be well secured with clamps to the wall, and install drain plugs at all low points.
- All piping shall be maintained the same size or larger.
- Install new backwater valves in compliance with City requirements for new facilities.
- INSPECTION**
- Inspection may be made between 9:00 a.m. and 8:00 p.m., 7 days a week until September 1, 1984 during which time a pool attendant is on site. Morning inspection is preferred as the pool is not open until 11:00 a.m.
- All work shall be completed by December 15, 1984.
- For further information contact Roman Christlik at 946-0273.

NO.	REVISION DESCRIPTION	DATE



DRAWN BY: PK
CHECKED BY: R. Christian
DATE: 1984 08 17
USER APPROVAL: R. Christian
APPROVED: R. Christian

THE CITY OF WINNIPEG
CIVIC PROPERTIES DEPARTMENT
6 - 510 Main St. R3B 1B9

PROJECT
WINDSOR PARK POOL
287 SPEERS ROAD
CRAWLSPACE DRAINAGE & PLUMBING
SHEET TITLE

PLANS, SECTIONS

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	54501	M-1