

ITEM 28  
MANAGER'S REPORT NO. 43  
COUNCIL MEETING June 10/74

Re: Letter from Mr. M. Kinoshita, 1050 Augusta Avenue and  
Mr. R. M. Peterson, 1070 Augusta Avenue  
Piping Watercourse  
(Item 16, Report No. 33, April 29, 1974)

Appearing on the Agenda for the June 10, 1974 Council meeting is an undated letter from Messrs. Kinoshita and Peterson of 1050 and 1070 Augusta Avenue respectively, requesting that Council reverse its decision of April 29, 1974 to permit the watercourse in question to remain open and to pipe it instead.

The following is the report of the Director of Planning dated June 5, 1974 regarding the above. Attached is a copy of the report of the Municipal Engineer in this connection, dated June 6, 1974.

Unfortunately there is no way that we can prevent accidents no matter what is done to the watercourse. It is admitted that there is a danger at any time with an open watercourse, but there are dangers with piped watercourses as well, especially at the entrance to the piping.

RECOMMENDATIONS:

THAT Council reaffirm an earlier decision to retain the subject watercourse in an open improved condition; and  
THAT a copy of this report be forwarded to the petitioners.

\* \* \* \* \*

TO: MUNICIPAL MANAGER 5 JUNE, 1974  
FROM: DIRECTOR OF PLANNING  
RE: WATERCOURSE ENCLOSURE  
SUBDIVISION REFERENCE #9/74 - D.L.135

BACKGROUND

On April 29, 1974 the Planning Department submitted a recommendation to Council that the watercourse traversing the above noted subdivision, (see sketch), be retained in an open condition. It was a condition of the subdivision that the developer be responsible for lining and improving the channel as approved by the Municipal Engineer. The watercourse has an aesthetic value and there are several mature trees located in the front yard which would have had to be removed if the watercourse were piped. Due to the above considerations Council approved the retention of the watercourse in an open improved condition. The subdivision was subsequently approved and registered based on this decision.


EXISTING SITUATION

The owners of the lots containing the watercourse have submitted a proposal (see attached letter) calling for the piping of the channel which they state the developer is prepared to do. The reasons for piping the watercourse as stated in their letter to the Municipality, i.e., danger, flooding, maintenance and aesthetics, could possibly be valid if the watercourse were to remain as it exists, however the lining and channelization to be carried out by the developer will render these problems non-existent. Due to the above, it is again recommended by the Planning Department that the watercourse be retained in an open improved condition.

RECOMMENDATION:

It is recommended THAT Council reaffirm an earlier decision to retain the subject watercourse in an open improved condition.

HR:ea  
Attchmt.

  
A. L. Parr,  
DIRECTOR OF PLANNING

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D.L. 135

S.D. 9174

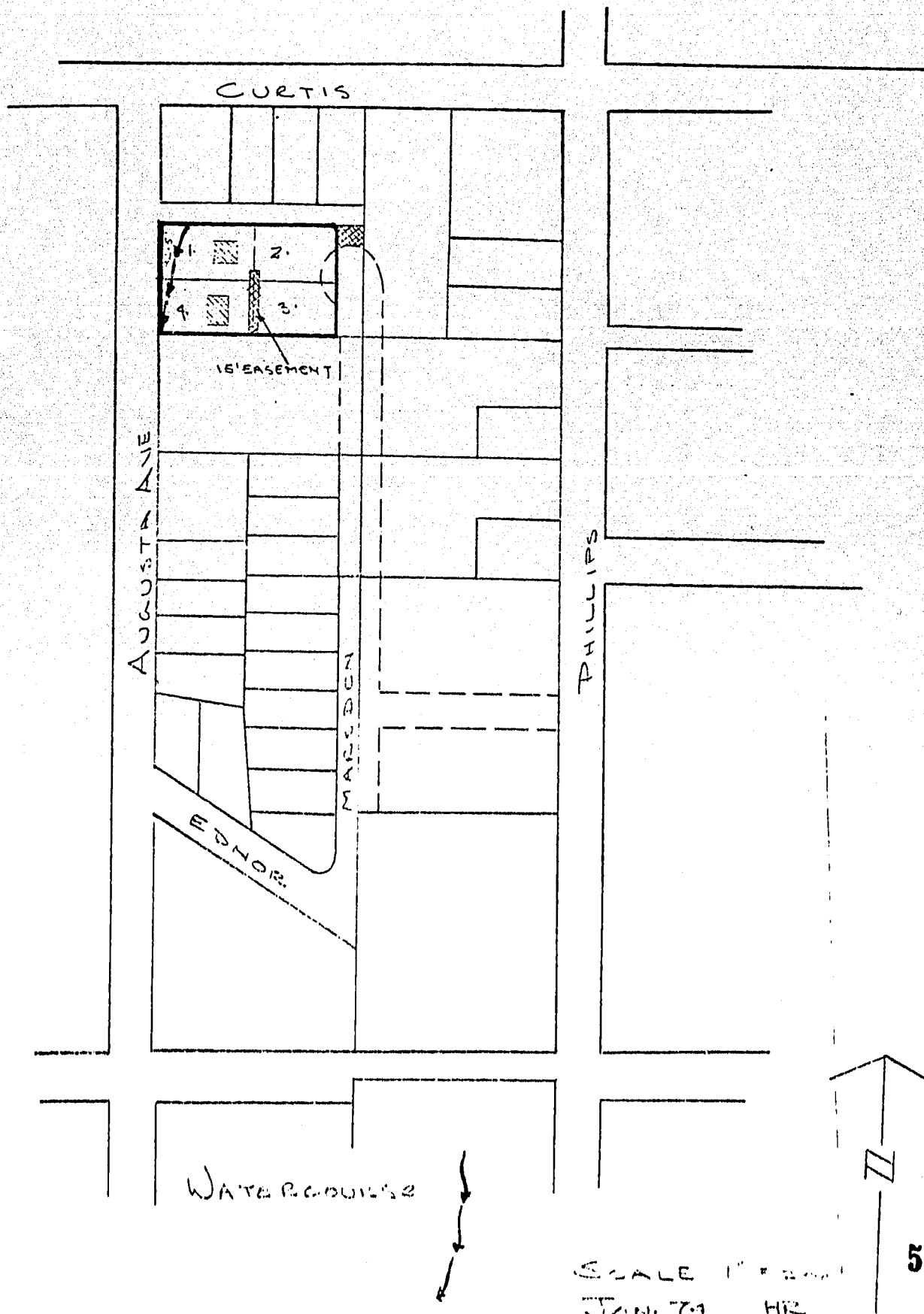
BLOCK 44

ZONING 24

LOT A EX PL 14107  
44 EX EX PL 14107

PLAN 3234

Note: REQUIRE SURVEYOR'S PLOT  
PLAN OF IMPROVEMENTS.



SCALE 1" = 20'  
JAN 74 HR

57

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TO: MUNICIPAL MANAGER JUNE 6, 1974  
FROM: MUNICIPAL ENGINEER  
RE: WATERCOURSE ENCLOSURE SUBDIVISION, REF. #9/74 - D.L. 135.

This report is in response to an undated communication to Burnaby Municipality from Mr. M. Kinoshita and Mr. R. M. Peterson requesting enclosure of the subject watercourse which traverses the front yards of their properties.

This matter has been previously considered by the Municipal Council in Item 16, Manager's Report #33, Council Meeting April 29, 1974 at which time the Council approved of the recommendation that the watercourse be retained in open-channel, subject to the necessary watercourse channel improvements being made.

With respect to heavy flows in the creek, the developer's consulting engineer has designed a fully lined open channel as per the Corporation's approved standard (see attached Dwg. No. L 1504). This design is based on standard design criteria and has been sized to adequately handle a 10-year storm plus a one foot freeboard, which will provide a safety factor of approximately 50%. A field check of the site reveals that, should a flooding condition arise, the first properties to be affected would be the front yards and the street boulevard immediately to the south of the subject properties. This is somewhat hypothetical at this time because the subdivision to the south has not been developed and if the front of the properties is filled, then the flooding would be directed onto the roadway.

With respect to the question of fewer maintenance problems, the Municipality's long-term maintenance problems would be reduced by enclosing this portion of the watercourse, but only because it would eliminate the need for an intake structure.

With respect to the question of safety it is our opinion that an unsafe condition could conceivably be created if the velocity and volume of water is found to be such to pin a child against the required intake grating.

With respect to the question of creating pools for stagnant water to collect we would advise that the channel lining will eliminate the cause of pools inasmuch as the channel will have a smooth floor constructed at a constant grade.

One further point worthy of mention is that there will be one large tree involved in the channelization which of necessity must be removed.

RECOMMENDATIONS:

THAT the Council reiterate its approval given in Item 16, Manager's Report #33, Council Meeting April 29, 1974 at which time it was approved that the watercourse be retained in an open channel, and,

THAT Mr. Kinoshita and Mr. R. M. Peterson be provided with a copy of this report.

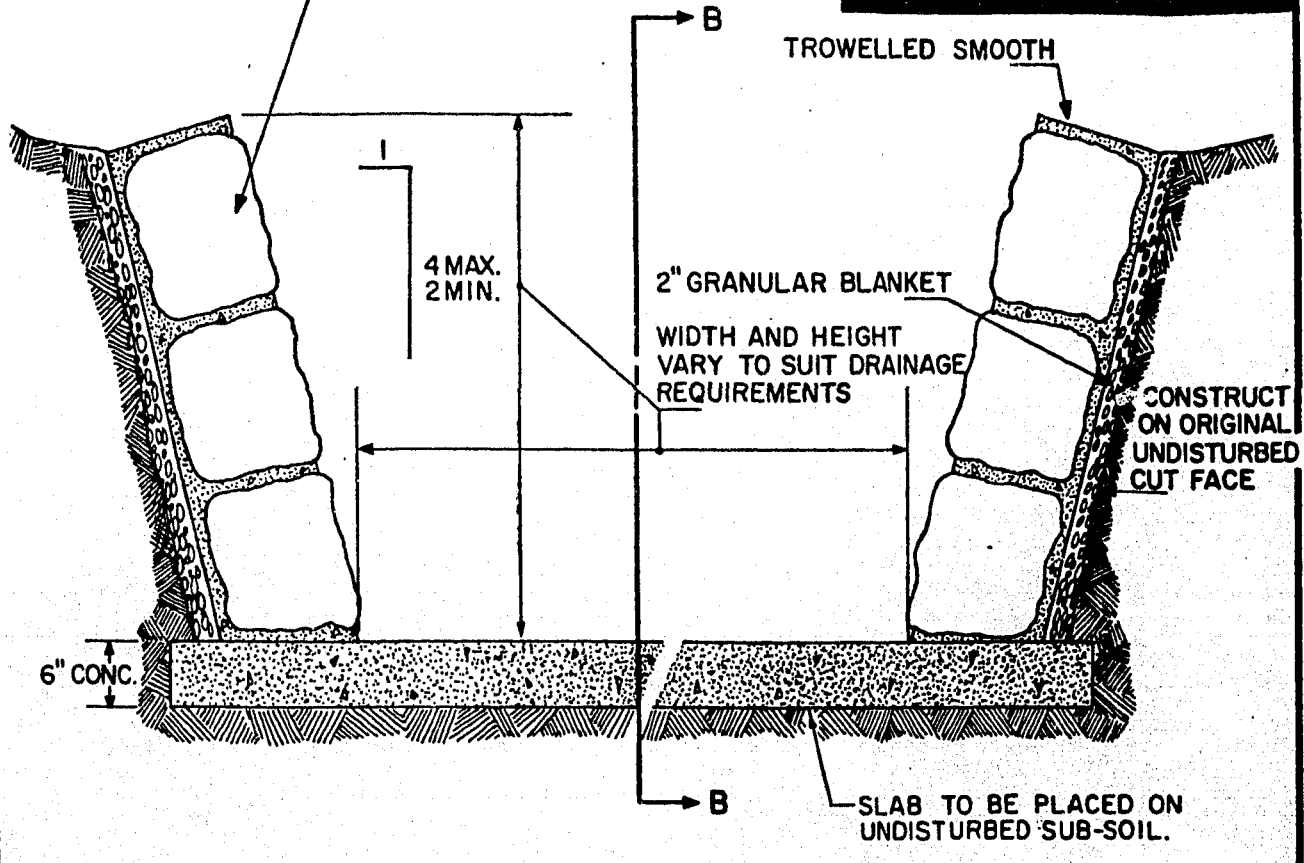
  
MUNICIPAL ENGINEER

VNW:EEO:pkm

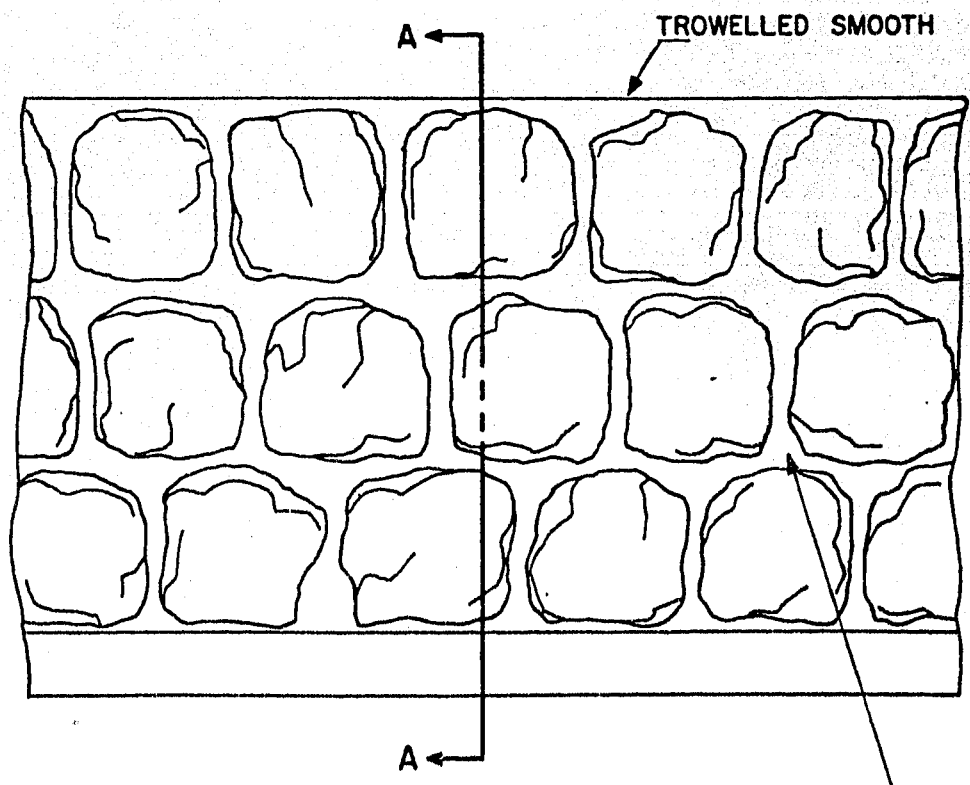
Attch.

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BOTTOM ROW OF FIELD STONES  
 APPROX. 12" IN THICKNESS, DECREASING  
 IN SUCCESSIVE ROWS TO A MINIMUM OF  
 8" IN THICKNESS.



SECTION A-A



1" MIN. THICKNESS  
 OF GROUT

SECTION B-B

2	JAN. 10/74	NOTE ADDED, DRAIN TILE REMOVED H.S.
1	OCT. 30/73	REDRAWN
No.	DATE	REVISION

CORPORATION OF THE DISTRICT OF BURNABY  
 ENGINEERING DEPARTMENT  
 DESIGN DIVISION

CHANNEL LINING

DESIGNED BY: A. PHILLIPS	SCALE: Not to Scale
DRAWN BY: G. LEE	DATE: OCT. 30/73
CHECKED BY: <i>[Signature]</i>	DRWS NO. L. 1504
APPR'D BY: <i>[Signature]</i>	