EXACT VITRIFIED-CLAY PIPE SANITARY SEWER

TRENCH

PROPOSED PIPE

CLASS A2 CONCRETE
(600-C-2500)

PIPE O.D. + 2"

EXISTING VITRIFIED-CLAY PIPE SANITARY SEWER

2" CLEAR

12" MIN.

PROPOSED PIPE

CLASS A2 CONCRETE
(600-C-2500)

PIPE O.D.

NON-SHRINK GROUT

Streamline 2.1.12-2020.pdf

ALTERNATIVE 1
CONCRETE SUPPORT WALL

EXISTING VITRIFIED-CLAY PIPE SANITARY SEWER

S

18" MIN.

PROPOSED PIPE

18" MIN.

UNDISTURBED EARTH

1-1/2" TYPICAL

ALTERNATIVE 2
CONCRETE BEAM

PIPE O.D.

PLUS 2"

PIPE O.D.

4" MAXIMUM SPACING
OF BARS

MINIMUM BEARING 1/2
PIPE O.D.

S

T

4

5

4

4

8

9

4

5

NOTES:

1. SUPPORT WALL SHALL HAVE A FIRM BEARING ON THE SUBGRADE AND AGAINST THE SIDES OF THE EXCAVATION.

2. WALL SHALL BE AT LEAST 2" FREE AND CLEAR OF ANY UTILITY SUBSTRUCTURE.

3. WHEN DIRECTED BY LBWD, THE CONTRACTOR SHALL PROVIDE SUITABLE OPENING IN THE WALL TO PREVENT UNEQUAL PRESSURE RESULTING FROM FLOODING THE BACKFILL. THE VOLUME OF THE PIERCED OPENING SHALL NOT EXCEED 1/3 THE VOLUME OF THE SUPPORTING WALL.


<table>
<thead>
<tr>
<th>DEPTH OF COVER</th>
<th>0 FEET TO 8 FEET</th>
<th>8 FOOT-1 INCH TO 16 FEET</th>
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<tbody>
<tr>
<td>S (FEET)</td>
<td>T (INCHES)</td>
<td>BAR NO</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>4</td>
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<tr>
<td>5</td>
<td>8</td>
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DIMENSIONS OF REINFORCED CONCRETE BEAM

SEWER MAIN SUPPORT

WDS - 510

RECOMMENDED

DIRECTOR OF ENGINEERING

DATE: 02-2020

APPROVED

DEPUTY GENERAL MANAGER / CHIEF ENGINEER

SCALE: N.T.S.

SHEET 1 OF 1