PLAN VIEW HEADWALL FOR CORRUGATED METAL PIPE INLET

SECTION A-A

ELEVATION HEADWALL FOR CORRUGATED METAL PIPE INLET

GENERAL NOTES
1. ALL REINFORCING STEEL SHALL BE Epoxy coated Deformed Billet steel bars conforming to AASHTO M138 Grade 400.
2. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 19 mm EXCEPT WHERE NOTED OTHERWISE.
3. COVER TO REINFORCING STEEL SHALL BE 51 mm EXCEPT WHERE NOTED OTHERWISE.
4. ALL CAST IN PLACE CONCRETE SHALL BE STRUCTURAL CONCRETE EXCEPT WHERE SPECIFIED OTHERWISE.
5. TYPE II CEMENT CION ALKALI IIA SHALL BE USED.
6. SEE SHEETS ST-02 AND ST-03 (CONCRETE RETAINING WALL STANDARD DETAILS) NO. 1 AND NO. 21 FOR MINIMAL DESIGN.
7. ALL DIMENSIONS ON THIS DRAWING ARE MILLIMETERS UNLESS NOTED OTHERWISE.

DESIGN DATA
CAST IN PLACE CONCRETE:
\[ \gamma_c = 2400 \text{ kg/m}^3 \quad f_{cc} = 16 \text{ MPa} \quad f'_{cc} = 12.4 \text{ MPa} \quad f_y = 455.7 \text{ MPa} \]
\[ f_{0} (REINF.1) = 165 \text{ MPa} \quad n = 0 \]

QUANTITIES
(ONE HEADWALL ONLY)

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<thead>
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<th>ITEM</th>
<th>ESTIM.</th>
<th>UNIT</th>
<th>AS CONSTR</th>
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<tbody>
<tr>
<td>STRUCT. CONCRETE EST. QUANT. 9.5 M3</td>
<td>1</td>
<td>CUBIC</td>
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<tr>
<td>REINFORCING STEEL (EPOXY COATED)</td>
<td>725</td>
<td>KG</td>
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