

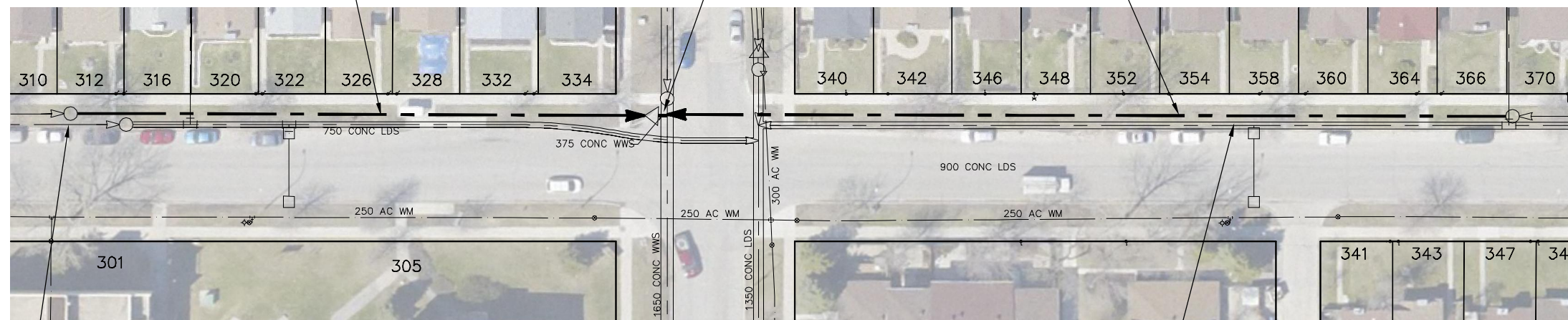
MANDALAY BAY



81.1 OF 300 CONC WWS
TO BE LINED S-MA00016539
(FULLY DETERIORATED)

3.0 OF 375 CONC WWS
TO BE LINED S-MA00016539
(FULLY DETERIORATED)

115.1 OF 450 CONC CS
TO BE LINED S-MA00005655
(FULLY DETERIORATED)



S-MH00005005
RIM 231.91
INV N 225.96
INV S 225.96

S-MH00005044
RIM 231.86
INV S 225.95
INV N 225.95

| SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA00005655 | | |
|--|----------|-------|
| DISTANCE FROM MH ID S-MH000105044 | | |
| DISTANCE | DIAMETER | CLOCK |
| 10.7 | 150 | 12 |
| 13.7 | 150 | 12 |
| 15.5 | 150 | 11 |
| 17.9 | 150 | 11 |
| 29.0 | 150 | 12 |
| 47.5 | 150 | 1 |
| 50.7 | 150 | 12 |
| 65.1 | 150 | 12 |
| 65.8 | 150 | 12 |
| 66.9 | 150 | 12 |
| 71.7 | 150 | 12 |
| 85.6 | 150 | 12 |
| 91.7 | 150 | 12 |

| SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA00016359 | | |
|--|----------|-------|
| DISTANCE FROM MH ID S-MH00005003 | | |
| DISTANCE | DIAMETER | CLOCK |
| 10.7 | 150 | 12 |
| 13.7 | 150 | 12 |
| 15.5 | 150 | 11 |
| 17.9 | 150 | 11 |
| 29.0 | 150 | 12 |
| 47.5 | 150 | 1 |
| 50.7 | 150 | 12 |
| 65.1 | 150 | 12 |
| 65.8 | 150 | 12 |
| 66.9 | 150 | 12 |
| 71.7 | 150 | 12 |
| 85.6 | 150 | 12 |
| 91.7 | 150 | 12 |

WARNING

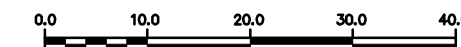
IF POWER EQUIPMENT OR EXPLOSIVES
ARE TO BE USED FOR EXCAVATION ON
THIS PROJECT THE CONTRACTOR MUST:

- 1) NOTIFY THE GAS COMPANY OF THE
PROPOSED LOCATION OF EXCAVATION.
- 2) TAKE PRECAUTION TO AVOID DAMAGE
TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



| <p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____</p> <p>NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.</p> | <p>B.M. ELEV.</p> <p>CONSTRUCTION COMPLETION DATE: YYYY MM DD</p> <table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table> | | | | | <table border="1" style="width: 100%;"> <tr> <td>DESIGNED BY</td> <td style="text-align: center;">SC</td> <td>CHECKED BY</td> <td style="text-align: center;">SC</td> </tr> <tr> <td>DRAWN BY</td> <td style="text-align: center;">RS</td> <td>APPROVED BY</td> <td style="text-align: center;">KZ</td> </tr> <tr> <td>SCALE:</td> <td style="text-align: center;">1:750</td> <td>RELEASED FOR CONSTRUCTION</td> <td> </td> </tr> <tr> <td>HORIZONTAL</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>VERTICAL</td> <td> </td> <td> </td> <td> </td> </tr> </table> <p>DATE 2013 12 10</p> | DESIGNED BY | SC | CHECKED BY | SC | DRAWN BY | RS | APPROVED BY | KZ | SCALE: | 1:750 | RELEASED FOR CONSTRUCTION | | HORIZONTAL | | | | VERTICAL | | | | <p>ENGINEER'S SEAL</p> <p style="text-align: center;">ORIGINAL SIGNED BY S.R.J. COURNOYER 12-11-28</p> <p>CONSULTANT DRAWING NUMBER -</p> | <p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p> <p>2013 SEWER RENEWALS BY CIPP LINING MANDALAY DRIVE 1ST MH S OF ADSUM DRIVE TO 1ST MH N OF ADSUM DRIVE</p> | <p>SHEET 29 OF 46</p> <p>CITY DRAWING NUMBER 10649</p> |
|--|---|---------------------------|-----------|------|----|---|-------------|-----------|------------|------------------------------|----------|--|-------------|--|--------|--------------|---------------------------|--|------------|--|--|--|----------|--|--|--|--|---|---|
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| DESIGNED BY | SC | CHECKED BY | SC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAWN BY | RS | APPROVED BY | KZ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCALE: | 1:750 | RELEASED FOR CONSTRUCTION | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VERTICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%;"> <thead> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | | NO. | REVISIONS | DATE | BY | | | | | <p>PLOT DATE: 2013 12 10</p> | | <p>BID OPPORTUNITY: 965-2013 CONTRACT NUMBER: 13</p> | | <p>FILE PATH: R:\DRAWINGS\SEWER\2013_RENEWALS\CIPP\CONTRACT 13\CIPP's\ FILE NAME: MANDALAY_BAY_adsum.dwg</p> | | | | | | | | | | | | | | | |
| NO. | REVISIONS | DATE | BY | | | | | | | | | | | | | | | | | | | | | | | | | | |
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