## APPENDIX C

## COCKBURN SEWER RELIEF REFERENCE INFORMATION (CONTRACTS 1, 2, 3, 4, 5A, \& 11)

## Wilton Trunk - Contract 11 (Bid Opportunity 640-2018)

## DRAWING INDEX

| SUMET | Craw or MNN MNEE | drawng tite |
| :---: | :---: | :---: |
| 1 | L--8594 | Cover Sher |
| 2 | LD-8595 |  |
| 3 | LD-8596 | WLTON STREET - Tanoor avenve to grant avenue - tamor avene to sta $2+20$ |
| 4 | LD-8597 | WLTon streit - taror anenve to grant avene - Sta $2+20$ to sta $3+60$ |
| 5 | LD-8598 | WLTON STRET - Taflor avenve to gravt avenie - Sta $3+60$ To Sta $4+95$ |
| $\bigcirc$ | L--8599 | WLTon streit - tanor alenve to grant avene - Sta 495 To sta grant avenue |
| 7 | L--8600 | WLTON AAY/EBBY Avene - witon stret to culip street - wlon bay west leg to sta $2+25$ |
| 8 | -8801 | EBBY AVENUE - WLTON STRET To cuelph siret - STA $2+25$ To CuELPH STREET |
| 9 | LD-8802 | Hector Avene - HECTOR Aay East to culiph stret - Hector bay East to sta $2+10$ |
| 10 | L--8603 | HECTOR AVENE - HECTOR AYY EAST TO CULIPH STRET - STA $2+10$ To STA $3+25$ |
| 11 | L--8804 | HECTOR AVENE - HECTOR BAY EAST TO CUELPH STRET - STA $3+25$ TO STA $4+40$ |
| 12 | LD-8805 | HECTOR AVENE - HECTOR AYY EAST To CuELPH STREET - STA $4+40$ To ©uLLPH STREET |
| 13 | LD-8606 | HECTOR BAY EAST - WSST Leg |
| 14 | LD-8607 | HECTOR BAY EAST - SOUTH LEG |
| 15 | L--8608 | Hector bay east - East Leg |
| 16 | L--8609 | CARTER Avenve - wLTon steet to cuiph stret - wlton stret to sta l+80 |
| 17 | L--8610 | CARTER AVENE - WLTON STREET TO GUELPH STRET - STA $1+80$ To $\pm 30 \mathrm{O}$ EAST OF GUELPH STRET |
| 18 | LD-8611 | WEAHEROON AVENUE - WLTON STRET TO CuLLPH STRET - WITON STREET TO STA $2+05$ |
| 19 | L--8612 | WEATHEROON AVENE - WLTLON STREET TO QUELPH STREET - STA $2+05$ TO $\pm 40 \mathrm{~m}$ EAST OF GUELPH STREET |
| 20 | LD-8813 | MANHOLE DETALLS (MWMCPAPL) |
| 21 | LD-8614 | ManHolie/rranstion Chames MH-01 - PLLan Ano sectows (stuctural) |
| 22 | LD-8632 | MANHOLE/TRANSTTON CHAMEER MH-01 - SECTONS AND DETALL (STRUCTURAL) |



2. AL ExSTING UNDERGROUN SERMCES SHOWN ON DRMWNGS ARE APPROXMMTE ONLY ,


 STANDARO DROP MNNHOLE SHALI COMPLY WTH C.O.W. DEEAL SD-01
8. AL NEW CATCH BASNS LEAOS TO BE 2500 PVC SOR 35 PRESS.
9. ALL PRPE SHALL HAVE CASS B BEEDNGG MHEN NSTALLED EY TRENCH MEHOO
10. CONTRACTOR TO NSTALL SEWER BY TRECCHLESS MEHMOOS.

12. ECACKFLU UNOER PANEMENT \& WTHIN 1.0 OF PANEMENT ON OTHER ROADWAYS TO BE







MANHOLE \& TESTHOLE LOCATION PLAN





© THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT Winnipeg ENGINEERING DIVISION COCKBURN \& CALROSSIE SEWER RELIEF WORKS | stier 2 of 22 |
| :--- | :--- | GENERAL INFOR

GENERAL INFORMATION
DRAWNG INDEX CONSTRUCTION NOTES, LEGEND,
MANHOLE SCHEDULE \& TESTHOLE SCHEDULE DRAWING INDEX, CONSTRUCTION NOTES, LEGEND,
MANHOLE SCHEDULE \& CTSTHOLE SCHEDULE


## Harrow Crossing - Contract 5A (Bid Opportunity 725-2018)




# Break Results for the CLSM Backfill (Consistent with the tunnelling path) 

The excavation at Tayor Ave and Harrow St was filled with CLSM with a minimum design stregth of 0.5 MPa at 28 days The table below shows the depth of each sample taken and the early break strength. The 28 day results will be provided to the succesful bidder. Additional cylinders were cast that will be broken prior to construction reaching the area.

| CLSM Sample Elevation | Compressive Strength |
| :---: | :---: |
|  |  |
| 225.3 | 0.43 MPa (11 Days) |
| 2282 | 0.25 MPa (10 Days) |
| 228.9 | 0.24 MPa (10 Days) |

Set 2


Set 3


Set 4




2700 mm Trunk - Contract 4 (Bid Opportunity 748-2016)











|  |  |  |  |  |
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|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1 | MAR 24/17 | ADDED NOTE FOR JOINT SPEC | AR | BR |
| REV: | DATE: | RECORD OF CHANGE: | BY: |  |

## ロЕСヘST

T $705.734 .2892 \quad 8807$ County Road 56 $\begin{array}{ll}\text { TF 800.4.41.5632 } & \text { Utopia, ON LOM } \\ \text { 705.734.2920 } & \text { decastlld.com }\end{array}$

WARD \& BURKE / City of Winnipeg - Water and Waste Department \begin{tabular}{l}
WARD \& BURKE / City of Winnipeg - Water and Waste Department <br>
\hline PROJECT NAME: 2700 ID $\times 3260$ OD $\times 3000$ LG CLASS IV MT STD PIPE

 Cockburn and Calrossie Combined Sewer Relief Works - Contract 4 

Cockburn <br>
\hline STRUCTURE <br>
\hline

 

\hline MT2700X300CS/P \& DRAWN BY: <br>
\hline

 500122 

\hline 50012236 \& DATE: <br>
FEB $24 / 17$

 SCALE: $\quad$ BR $\square$ 

DWG No:: <br>
2700 C 502 <br>
\hline
\end{tabular}






## Contract 3 (Bid Opportunity 388-2017)




## Contract 2 (Bid Opportunity 62-2016)

DRAWING INDEX


|  | UMER | NuMber |  |
| :---: | :---: | :---: | :---: |
| 1 | D-001 | L0-7799 | COVER |
| 2 | D-002 | L0-7800 | GENERAL PLAN AND MANHOLE SCHEDLLE |
| 3 | c-201 | L-7801 | DEREK STREET - FroM Sta $0+900$ TO HEATHERDALE AV |
| 4 | c-202 | L0-7802 | Heatheroale avenek - from derek street to sta $1+170$ |
| 5 | C-203 | LD-7803 | Heatheroale avenue - from sta $1+170$ to rockMan stree |
| 6 | C-204 | L--7804 | ROCKMAN STREET - From heatheroale Av To Sta $1+340$ |
| 7 | C-205 | L0-7805 | ROCKMAN STREET - FROM STA $1+340$ To STA $1+440$ |
| 8 | C-206 | LD-7806 | ROCKMAN STREET - FROM STA $1+440$ To BING PLACE |
| 9 | C-207 | LD-7807 | BING PLACE - FROM ROCKMAN STREET To STA $1+650$ |
| 10 | c-208 | LD-7808 | BYMG PLACE - CNR Crossing |
| 11 | C-209 | LD-7809 | BNNG PLACE - PEMEINA HICHWAY CROSSSIN |
| 12 | C-210 | L0-7810 | BTNG PLLACE - FROM STA $1+830$ To STA $1+930$ |
| 13 | 211 | LD-7811 | BYNG PLACE - FROM STA $1+930$ TO STA $2+040$ |
| 14 | C-212 | LD-7812 | BTNG PLACE - FROM STA $2+040$ TO STA $2+150$ |
| 15 | c-213 | LD-7813 | BTMG PLACE - FROM STA $2+150$ To MH 11 |
| 16 | c-214 | LD-7814 | BTNG PLACE - FROM MH 11 To ExSTING CATE CHAMEER |
| 17 | c-221 | LD-7815 | PARKER AVENUE - From sta $1+000$ To STA $1+110$ |
| 18 | c-222 | LD-7816 | PARKER AVENUE - FROM STA $1+110$ To STA $1+220$ |
| 19 | C-223 | L0-7817 | PARKER AVENUE - FROM STA $1+220$ to STA $3+330$ |
| 20 | c-224 | L-7818 | Parker avenve - from sta $1+330$ to Sta $1+440$ |
| 21 | c-225 | LD-7819 | PARKER AVENUE - FROM STA $1+440$ To STA $1+550$ |
| 22 | c-226 | LD-7820 | PARKER AVENUE - FROM STA $1+550$ To MH 027 |
| 23 | C-501 | LD-7821 | MISCELANEOUS DETALS |
| 24 | s-101 | L0-7822 | GATE CHAMBER COONECTION |
| 25 | s-501 | L.-7823 | MISCELLANEOUS detalls |



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SEWER RELIEF WORKS

D-7800

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Contract 1 (Bid Opportunity 915-2013)



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