



Stantec Consulting Ltd. 400 - 1331 Clyde Avenue Ottawa ON

Tel. 613.722.4420 www.stantec.com

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## Notes

GENERAL NOTES

- ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS AND OPSD SUPPLEMENT. ONTARIO PROVINCIAL STANDARDS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME
- SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF XISTING SERVICES AND UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE
- CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT. ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE NGINEER & THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE
- WITH OPSD 509.010 AND OPSS 310. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN WHICH WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR RECEIVING STORM SEWERS OR DRAINAGE
- DURING CONSTRUCTION ACTIVITIES. THIS PLAN SHALL INCLUDE BUT NOT LIMITED TO TERRAFIX SILTSACKS ON CATCH BASINS, STRAW BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. DEWATERING SHALL BE PUMPED INTO SEDIMENT TRAPS. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH
- ARCHITECT AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING FOR ALL LANDSCAPING FEATURES (ie. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES etc.) REFER
- EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
- P. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

TO LANDSCAPE ARCHITECT PLAN.

- ROADWORKS
- ). ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
- ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.
- . SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.15m LAYERS.
- CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD SC1.1 AND SC1.3 (BARRIER OR MOUNTABLE CURB AS SHOWN ON DRAWINGS).

## 14. THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA SPECIFICATIONS & SHALL CO-ORDINATE AND PAY ALL RELATED COSTS INCLUDING THE

W23) (CATHODIC PROTECTION AS PER CITY OF OTTAWA W40 AND W42).

- COST OF CONNECTION, INSPECTION & DISINFECTION BY CITY PERSONNEL. WATERMAIN PIPE MATERIAL SHALL BE PVC CL.150 DR18. DEFLECTION OF WATERMAIN PIPE IS NOT TO EXCEED
- 1/2 OF THAT SPECIFIED BY THE MANUFACTURER. SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 2400mm FROM ANY CATCHBASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING, THERMAL INSULATION SHALL BE INSTALLED ON ALL PROPOSED CB'S ON THE W/M STREET SIDE WHERE 2400mm SEPARATION CANNOT BE ACHIEVED. (AS PER CITY OF OTTAWA W22 &
- STORM AND SANITARY SEWERS
- . SANITARTY AND STORM SEWERS 375mm DIA. OR SMALLER SHALL BE PVC SDR 35 INSTALLED AS PER CITY OF OTTAWA STANDARD S6 AND S7, UNLESS OTHERWISE NOTED. SANITARY AND STORM SEWERS LARGER THAN 375mm DIA. SHALL BE CONCRETE CSA A 257 CLASS 100-D AS PER OPSD 807.010 CLASS B BEDDING, UNLESS
- 8. STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-701.01 (UNLESS OTHERWISE NOTED) c/w FRAME AND COVER AS PER CITY OF OTTAWA S24, S24.1 AND S25. ALL STORM MANHOLES WITH SEWERS 900mm DIA SEWERS AND OVER IN SIZE SHALL BE BENCHED. ALL OTHERS SHALL BE COMPLETED WITH 300mm SUMPS AS PER CITY STANDARDS.
- CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS C/W FRAME AND GRATE AS PER \$20 AND \$21 FOR REAR YARDS AND S3 FOR STREET CBS. PROVIDE 150mm ADJUSTED SPACERS. ALL CATCH BASINS SHALL HAVE SUMPS (600mm DEEP). STREET CATCH BASIN LEADS SHALL BE 200mm DIA. (MIN) PVC SDR 35 AT 1.0% GR WHERE NOT OTHERWISE SHOWN ON PLAN. CATCH BASINS WILL BE INSTALLED WITH INLET CONTROL DEVICES (ICD) AS PER ICD SCHEDULE ON SITE SERVICING DRAWINGS. WHERE CATCH BASINS REQUIRE ICD OF IPEX TYPE
- 'D' OR LARGER, CATCH BASIN LEADS SHALL BE 250mm DIA. PVC SDR 35. CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING NO. S8. THE SEALS SHOULD BE AT LEAST 1.5m LONG (IN THE TRENCH DIRECTION) AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL. GENERALLY THE SEALS SHOULD EXTEND FROM THE FROST LINE AND FULLY PENETRATE THE BEDDING, SUBBEDDING AND

COVER MATERIAL. THE BARRIERS SHOULD CONSIST OF RELATIVELY DRY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 225mm THICK LOOSE LAYERS COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S SPMDD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO

GRANIII AR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.

MORE THAN 60m INTERVALS IN THE SERVICE TRENCHES. REFER TO GEOTECH REPORT

- 2. SEWER TRENCH SHALL CONSIST OF A CLASS "B" BEDDING AS PER CITY OF OTTAWA STANDARDS S6 AND S7. COMPACTION SHALL BE A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
- ${\tt CONTRACTOR}~{\tt SHALL}~{\tt PERFORM}~{\tt LEAKAGE}~{\tt TESTING}, \\ {\tt IN}~{\tt THE}~{\tt PRESENCE}~{\tt OF}~{\tt THE}~{\tt CONSULTANT}, \\ {\tt FOR}~{\tt SANITARY}~{\tt CONTRACTOR}~{\tt SHALL}~{\tt PERFORM}~{\tt LEAKAGE}~{\tt TESTING}, \\ {\tt IN}~{\tt THE}~{\tt PRESENCE}~{\tt OF}~{\tt THE}~{\tt CONSULTANT}, \\ {\tt FOR}~{\tt SANITARY}~{\tt CONTRACTOR}~{\tt SANITARY}~{\tt CONTRACTOR}~{\tt CONSULTANT}, \\ {\tt FOR}~{\tt SANITARY}~{\tt CONTRACTOR}~{\tt CONTRACTOR}~{\tt CONSULTANT}, \\ {\tt FOR}~{\tt CONTRACTOR}~{\tt CONSULTANT}, \\ {\tt FOR}~{\tt CONTRACTOR}~{\tt CONTRACTOR}~{\tt CONSULTANT}, \\ {\tt FOR}~{\tt CONTRACTOR}~{\tt CONTRACTOR}~{\tt CONTRACTOR}~{\tt CONSULTANT}, \\ {\tt FOR}~{\tt CONTRACTOR}~{\tt CON$ SEWERS IN ACCORDANCE WITH OPSS 410 AND OPSS 407, CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SEWERS, A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.

MJS MF 23.03.15 REVISED AS PER CITY COMMENTS / SITE PLAN MJS AMP 21.02.17 ISSUED TO CITY FOR SPA

File Name: 160401596 PB

Revision

MJS MF MJS 21.01.22 Dwn. Chkd. Dsgn. YY.MM.DD Permit-Seal

By Appd. YY.MM.DD

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MARIS/ M. A. FORD 100072580

Client/Project BRIGIL HOMES

2829 DUMAURIER AVENUE

40 STOREY APARTMENT BUILDING OTTAWA, ON, CANADA

PLAN AND PROFILE - DUMAURIER AVENUE SANITARY SEWER EXTENSION STA. 0+000 TO STA. 0+120

Project No. 160401596

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Sheet Revision

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