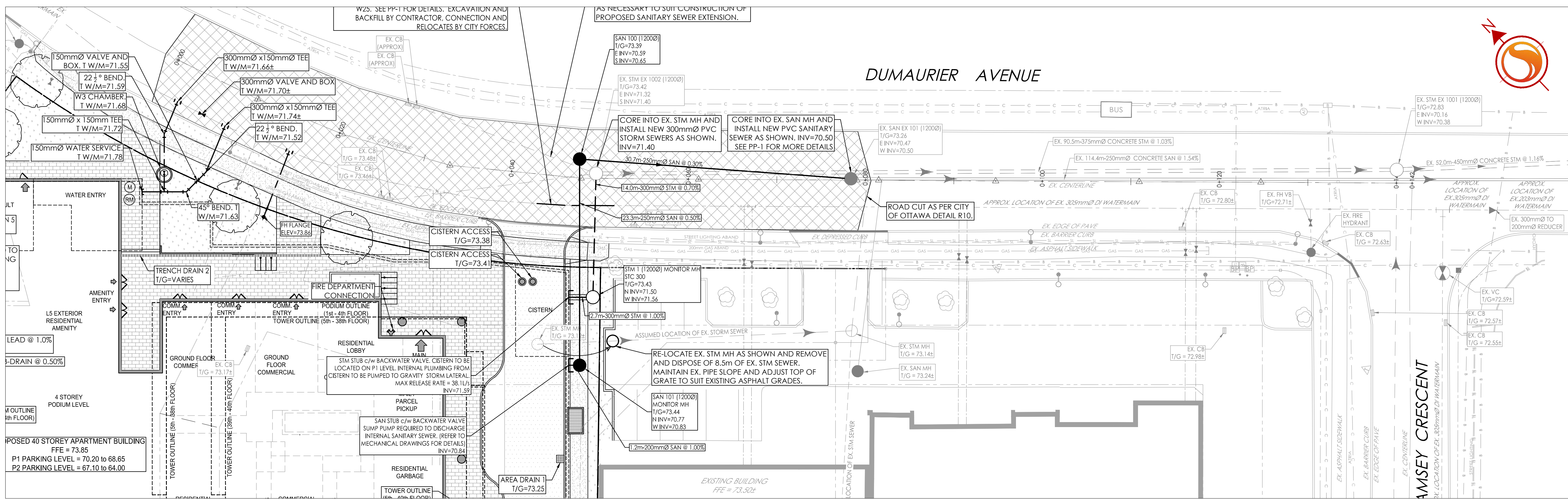


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Notes

- ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS AND OPD 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 INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
  - SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES 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 ENGINEER. IN THE CITY OF OTTAWA, PERMITS FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPS 599.010 AND OPS 310.
  - THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN WHICH WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR EXISTING STORM SEWERS OR DRAINAGE DURING CONSTRUCTION ACTIVITIES. THIS PLAN SHALL INCLUDE BUT NOT LIMITED TO TERRACE BARRIERS ON CATCH BASINS, STRAW BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. DRAINAGE 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 (e.g. TREES, WALKWAYS, PARK DETAILS, HOSE BARRIERS, FENCES ETC.) REFER TO LANDSCAPE ARCHITECT PLAN.
  - EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
  - ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.
- 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 150mm LAYERS.
  - CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD S.C.1.1 AND S.C.1.3 (BARRIER OR MOUNTABLE CURBS AS SHOWN ON DRAWINGS).
- WATERMAIN**
- THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA STANDARD SPECIFICATIONS & SHALL COORDINATE AND PAY ALL RELATED COSTS INCLUDING THE 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% 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 CBS ON THE W/4 STREET SIDE WHERE 300mm SEPARATION CANNOT BE ACHIEVED (AS PER CITY OF OTTAWA W2 & W2S) (CATHODIC PROTECTION AS PER CITY OF OTTAWA W40 AND W42).
- STORM AND SANITARY SEWERS**
- SANITARY 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 OPS 807.010 CLASS B BEDDING, UNLESS OTHERWISE NOTED.
  - STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPS-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 SLEEPS AS PER CITY STANDARDS.
  - CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS C/W FRAME AND GRATE AS PER S20 AND S21 FOR REAR YARDS AND S3 FOR STREET CLOSURE. PROVIDE 150mm ADJUSTED SPACES. ALL CATCH BASINS SHALL HAVE SLEEPS (600mm DEEP). STREET CATCH BASIN LEADS SHALL BE 200mm DIA. (MINI) 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 FEE 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. 38. THE SEALS SHOULD BE AT LEAST 1.5m LONG IN THE TRENCH DIRECTION AND SPREAD EXTENDING FROM TRENCH WALL TO TRENCH WALL. GENERALLY, THE SEALS SHOULD EXTEND FROM THE FRONT LINE AND FULLY PENETRATE THE BEDDING, SUBBEDDING AND COVER MATERIAL. THE BARRIERS SHOULD CONSIST OF RELATIVE DRY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 225mm THICK LAYERS COMPACTED TO A MINIMUM OF 98% OF THE MATERIAL'S PROVED. THE CLAY SEALS SHOULD BE PLACED AT THE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60m INTERVALS IN THE SERVICE TRENCHES. REFER TO GEOTECH REPORT.
  - GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
  - SEWER TRENCH SHALL CONSIST OF A CLASS "B" BEDDING AS PER CITY OF OTTAWA STANDARDS S6 AND S7.
  - CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPS 410 AND OPS 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.



PROPOSED ROAD	TOP OF WATERMAIN	PROPOSED ROAD	TOP OF WATERMAIN
73.87	71.77	73.40	70.84
73.47	71.42	73.25	70.91
73.25	71.12	73.04	71.00
73.04	70.91	72.84	70.84
72.84	70.84	72.64	70.84
72.64	70.84	72.44	70.84
72.44	70.84	72.24	70.84
72.24	70.84	72.04	70.84
72.04	70.84	71.84	70.84
71.84	70.84	71.64	70.84
71.64	70.84	71.44	70.84
71.44	70.84	71.24	70.84
71.24	70.84	71.04	70.84
71.04	70.84	70.84	70.84

Revision	By	Appd.	YY.MM.DD
3	REVISED AS PER CITY COMMENTS / SITE PLAN	MJS	DCT 24.09.18
2	REVISED AS PER CITY COMMENTS / SITE PLAN	WAJ	DCT 24.05.29
1	REVISED AS PER CITY COMMENTS / SITE PLAN	MJS	MF 23.03.15
0	ISSUED TO CITY FOR SPA	MJS	AMP 21.02.17

File Name:	Dwn.	Mf.	Mjs	21.01.22
160401596 PB	Dms	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project  
**BRIGIL HOMES**

2829 DUMAUURIE AVENUE  
40 STOREY APARTMENT BUILDING  
OTTAWA, ON, CANADA

Title  
**PLAN AND PROFILE - DUMAUURIE AVENUE  
SANITARY SEWER EXTENSION  
STA. 0+000 TO STA. 0+120**

Project No.	160401596	Scale	1:250H 0 2.5 7.5 12.5m 1:50V 0 0.5 1.5 2.5m
Drawing No.	PP-1	Sheet	5 of 8
Revision			3

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