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Notes

- GENERAL NOTES
1. 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.
  2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
  3. SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING LOCATIONS FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
  4. ALL DISTURBED AREAS SHALL BE REHABILITATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER & THE CITY. PAVEMENT REHABILITATION FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPS 509.010 AND OPS 310.
  5. 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 BELTLOCKS ON CATCH BASINS, STRIP BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. DEWATERING SHALL BE PUMPED INTO SEDIMENT TRAPS.
  6. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH ARCHITECT AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING.
  7. FOR ALL LANDSCAPING FEATURES (e.g. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES etc.) REFER TO LANDSCAPE ARCHITECT PLAN.
  8. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
  9. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.

- ROADWAYS
10. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF PRE STANDARD PROCTOR DENSITY.
  11. 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.
  12. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.15m LAYERS.
  13. CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD SCL.1 AND SCL.3 (BARRIER OR MOUNTABLE CURB AS SHOWN ON DRAWINGS).
- WATERMAIN
14. THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA SPECIFICATIONS & SHALL COORDINATE AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION & DISINFECTION BY CITY PERSONNEL.
  15. 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.
  16. SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 300mm FROM ANY CATCHBASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL INSULATION SHALL BE INSTALLED ON ALL PROPOSED CBS ON THE W/M STREET SIDE WHERE 240mm SEPARATION CANNOT BE ACHIEVED AS PER CITY OF OTTAWA W22 & W23 (CATCHBASIN PROTECTION AS PER CITY OF OTTAWA W20 AND W40).

STORM AND SANITARY SEWERS

17. 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 8 BEDDING, UNLESS OTHERWISE NOTED.
18. 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 300mm DIA. SEWERS AND OVER IN SIZE SHALL BE BENCHED. ALL OTHERS SHALL BE COMPLETED WITH 300mm SUMPS AS PER CITY STANDARDS.
19. 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 CBS. PROVIDE 150mm ADJUSTED SPACERS. ALL CATCH BASINS SHALL HAVE SUMPS (600mm DEEP). STREET CATCH BASIN LEADS SHALL BE 200mm DIA. MINN PVC SDR 35 AT 1.0% OR WHERE NOT OTHERWISE SHOWN ON PLAN, CATCH BASINS WILL BE INSTALLED WITH INLET CONTROL DEVICES (ICD) AS PER ICD SCHEDULE ON SITE SERVICES DRAWINGS. WHERE CATCH BASINS REQUIRE ICD OF PER TYPE 'D' OR LARGER, CATCH BASIN LEADS SHALL BE 250mm DIA. PVC SDR 35.
20. 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 SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL. GENERALLY THE SEALS SHOULD EXTEND FROM THE FOOT 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 LAYERS COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S SPECIFIC. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60m INTERVALS IN THE SERVICE TRENCHES. REFER TO GEOTECH REPORT.
21. GRANULAR '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.
22. SEWER TRENCH SHALL CONSIST OF A CLASS 'B' BEDDING AS PER CITY OF OTTAWA STANDARDS S6 AND S7. COMPACTOR SHALL BE A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
23. 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.

Revision	By	Appd.	Date
0	MJS	KK	21.02.17
ISSUED TO CITY FOR SPA			

File Name:	MJS	KK	MJS	21.01.22
160401596.PB	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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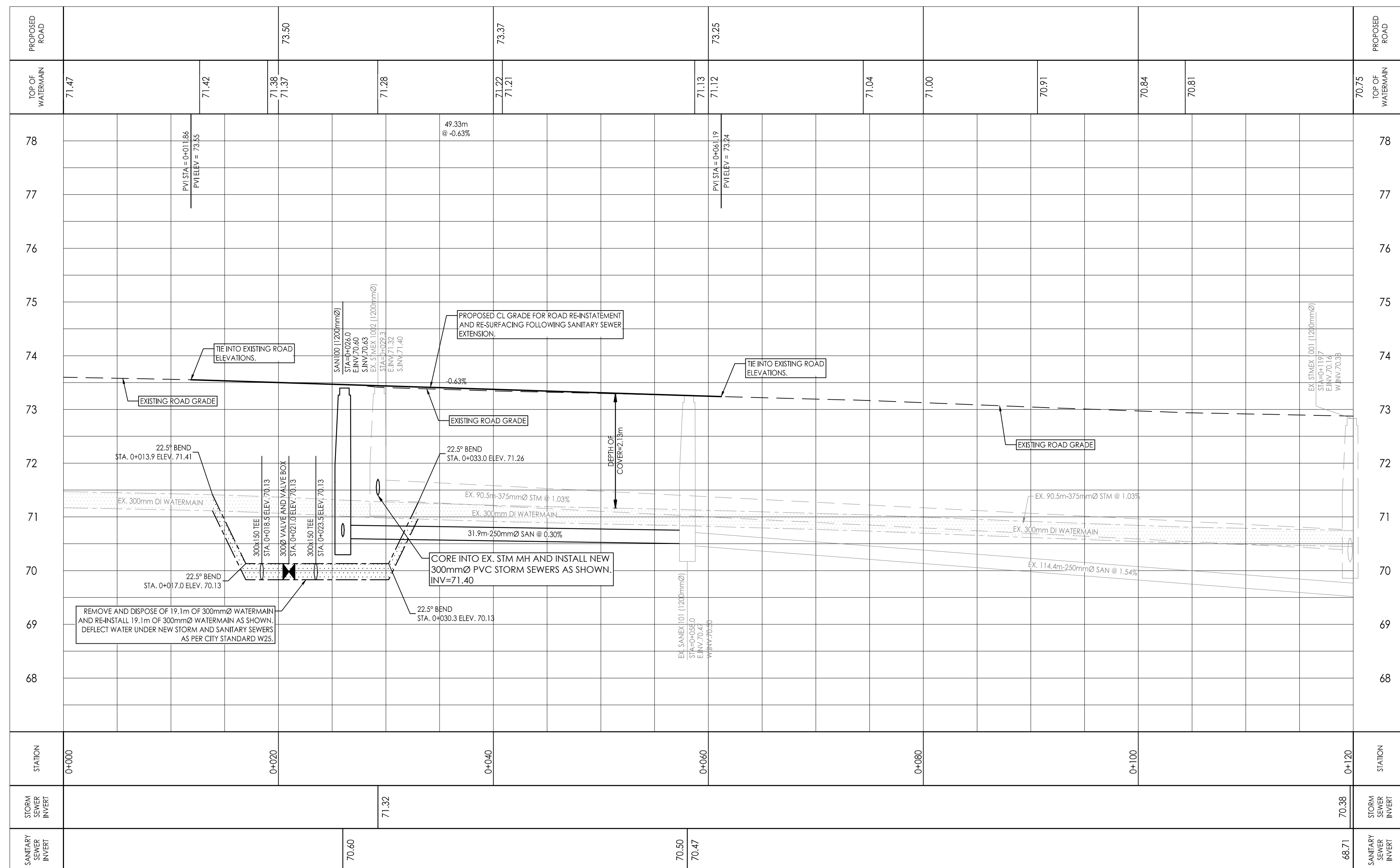
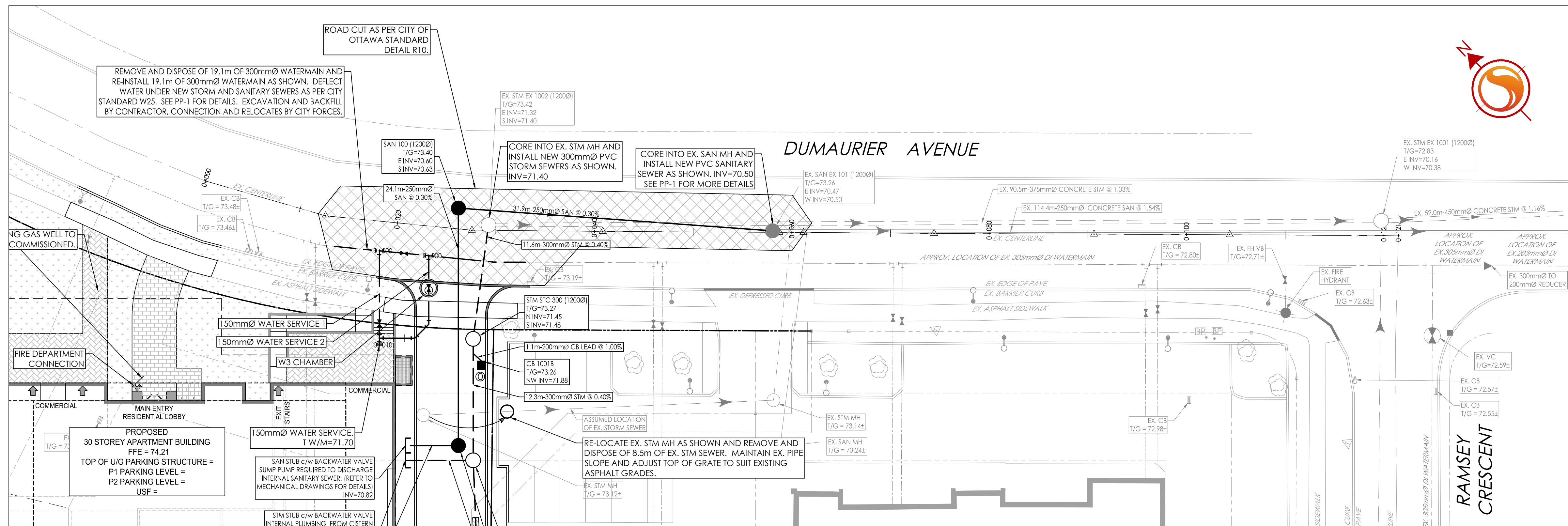
Client/Project  
**BIRGIL HOMES**

2829 DUMAURIER AVENUE  
30 STOREY APARTMENT BUILDING  
OTTAWA, ON, CANADA

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

Project No. 160401596  
Scale 1:250H  
1:50V  
Sheet 2.5  
Revision 7.5  
12.5m  
1.5  
2.5m

Drawing No. PP-1  
Sheet 5 of 8  
Revision 0  
PLAN # ?????



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