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Sélection



Notes

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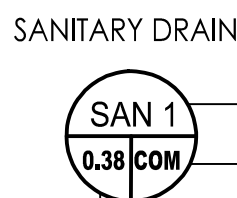
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NOTES AND LEGEND PLAN

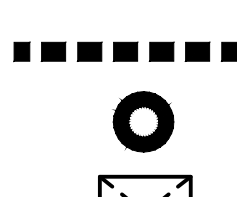
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EROSION CONTROL



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| <p>4. TOPOGRAPHIC SURVEY SUPPLIED BY STANTEC GEOSCIENCES LTD. PROJECT NO. 161613512-111. PART OF LOT 1, CONCESSION 11, GEOGRAPHIC TOWNSHIP OF CUMBERLAND, CITY OF OTTAWA.</p> | <p>5. THURST BLOCKS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W5.3.1 AND W5.2.1.</p> | <p>1. PLAN AND DRAWING 6400 FOR EROSION AND SEDIMENT CONTROL PLAN TO DETAILS</p> |
| <p>6. REFER TO LANDSCAPE ARCHITECTURE PLAN FOR ALL LANDSCAPING FEATURES (E.G. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES ETC.)</p> | <p>6. WATERMANN TO HAVE MIN. 2.4m COVER. WHERE WATERMANN COVER IS LESS THAN 2.4m, INSULATION TO BE SUPPLIED IN ACCORDANCE WITH CITY STANDARD W2.</p> | <p>Best Management Practices</p> |
| <p>7. GEOTECHNICAL INVESTIGATION PROPOSED MULTI-STORY BUILDING, PHASE 1 MERLEBEE ROAD, OTTAWA, ONTARIO.</p> | <p>7. WATERMANN CROSSINGS ABOVE AND BELOW SEWERS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W5.3 AND W5.2.1.</p> | <p>CONTRACTOR TO PROTECT EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) THROUGHOUT CONSTRUCTION OF THIS PROJECT.</p> |
| <p>8. PREPARED BY: PATERSON GROUP INC. DATED NOVEMBER 20, 2018.</p> | <p>8. PRESSURE REDUCING VALVES (PRVs) IF REQUIRED, TO BE INSTALLED AS PER OTTAWA PLUMBING CODE.</p> | <p>CONSTRUCTION SITE RUMPLE IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE BEST MANAGEMENT PRACTICES.</p> |

[illegible]

1. ALL TOPSOIL AND ORGANIC MATERIAL TO BE STRIPPED OUT WITHIN THE FULL RADIUS OF ANY PEAR TO CONSTRUCTION.	BENCHED. ALL OTHER STORM MANHOLES SHALL BE COMPLETED WITH 18" DODGE SUMPS PER CITY STANDARDS. SANITARY MANHOLES SHALL NOT HAVE SUMPS.	SIGNIFICANT RAINFALL EVENT ANTICIPATED: 10"mm Inside a NEW SERVICE HAS TO BE INSTALLED TO PROTECT THE STORM AND SANITARY SERVICE FROM OVERSTRENGTH WATERCROSSES.
2. SUB-EXCAVATE SOFT AREAS A FILL WITH GRANULAR C COMPACTED IN 15:30"cm LAYERS.	ALL SEWERS CONSTRUCTED WITH GRADES 0.50% OR LESS, TO BE COMPLETED WITH LATCH AND CHECKED WITH LOW INSTRUMENT PRIOR TO BACKFILLING.	9. NO REPAIRING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING OR NEW MANHOLES.
3. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO MINIMUM 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPRIND).	FOR STORM SEWER INSTALLATION (EXCLUDING CB LEADS) THE MINIMUM DEPTH OF COVER OVER THE CROWN OF THE SEWER IS 1.0m. FOR SANITARY SEWERS THE MINIMUM DEPTH OF COVER IS 2.5m OVER PIPE OR DUCT.	10. CONTRACTOR SHALL REMEASURE SEGMENT CONTRACT MEASURES WHEN IN THE OPINION OF THE CONTRACT ADMINISTRATOR, THE MEASURES IS NOT REMOVED FROM THE CONTRACT. CONTRACT MEASURES SHALL NOT BE RECOVERED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
4. ROAD SUBGRADINGS SHALL BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD R1.	7. ALL STORM AND SANITARY SEWERS TO BE EQUIPPED WITH MANHOLES AT THE FOLLOWING MINIMUM SPACING:	11. THE CONTRACTOR SHALL CLEARLY CUT OR WASH REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN CUT AND ACCURATELY MEASURED, REQUIRED.
5. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF THE STORMS IS NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.	STORM AND SANITARY SEWER LATERALS TO BE 500 MM INSTALLED AT MIN. 1.0% SLOPE. SINGLE STORM SEWERS TO BE 100mm, SINGLE SANITARY SERVICES TO BE 130mm. (SERVICES TO EXTEND TO THE PROPERTY LINE).	12. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY DISCREPANCY OR DISCHARGE OF SEGMENT MATERIALS OR WATERCROSSES. APPROPRIATE REPAIRING MEASURES INCLUDING ANY REPAIRS TO EXISTING OR NEW MANHOLES SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
6. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD. ROAD OCCUPANCY PERMIT TO BE OBTAINED FROM THE MUNICIPAL OFFICE OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPAL ENGINEER.	CATCH BASINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARDS S1, S2 AND S3.4mm (MIN) AND GRATE AS PER S14 FOR 150mm DRAINAGE OR S15 FOR 200mm DRAINAGE. GRATE SHALL BE 6mm AND GRATE PER S22 AND S26 PROVIDE 150mm ADJUSTED SPACERS.	13. CONTRACTOR SHALL INSTALL MUD MATS AT BOTH ENTRANCES TO THE SITS.
7. PAYMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R10.		14. STORMWATER SLEDS TO BE COVERED WITH HYDRO-SEEDS AND MULCH.

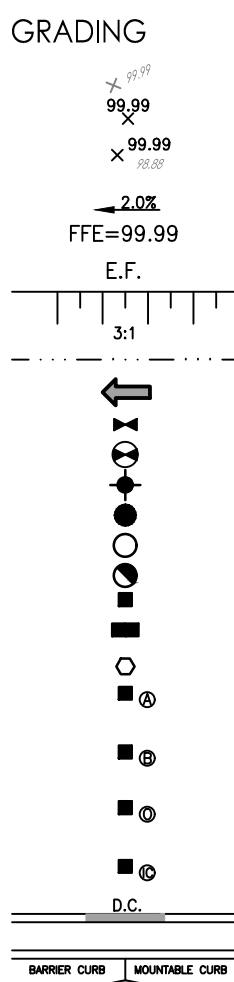
4. CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD SC11 AND SC13 (BARRIER OR MOUNTABLE CURB AS SHOWN ON DRAWINGS).
5. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED AS PER CITY STANDARDS SC1 AND SC1.
10. PAVEMENT CONSTRUCTION AS PER GEOTECHNICAL INVESTIGATION PROPOSED MULTI-STORY BUILDING - PHASE 1 MER BLUE RIVER, OTTAWA, ONTARIO - PREPARED BY: PATTERSON GROUP INC., DATED NOVEMBER 20, 2018, REPORT NO. P4711-1, REVISION "A".
- HEAVY DUTY ASPHALT**
40mm HD OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
20mm SUPERPAVE 19.0 ASPHALTIC CONCRETE
150mm OPSR GRANULAR A BASE
450mm OPSR GRANULAR B TYPE II
- LIGHT DUTY AREAS**
30mm HD OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
150mm OPSR GRANULAR A BASE
300 OPSR GRANULAR B TYPE II
- PAVEMENT CONSTRUCTION AS PER GEOTECHNICAL INVESTIGATION PROPOSED ROADWAY SERVICE ALIGNMENT 2025 MER BLUE RIVER - OTTAWA, ONTARIO - PREPARED BY PATTERSON GROUP INC., DATED MARCH 20, 2017, REPORT NO. P0681-K-1270.
- LOCAL ROADWAYS WITH BUS AND HEAVY TRUCK TRAFFIC**
40mm SUPERPAVE 12.5 ASPHALTIC CONCRETE
20mm SUPERPAVE 19.0 ASPHALTIC CONCRETE
150mm OPSR GRANULAR A BASE
30mm SUPERPAVE 19.0 ASPHALTIC CONCRETE
150mm OPSR GRANULAR A BASE
300mm OPSR GRANULAR B TYPE II
10. STREET CATCH BASINS TO BE INSTALLED ON SURFDRAINS 3m LONG IN FOUR ORTHOGONAL DIRECTIONS OR LONGITUDINALLY WHEN PLACED ALONG A CURB, AND AT AN ELEVATION OF 300mm below SURFACE LEVEL.
11. CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING SB. 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 FRONT LINE AND FULLY PENETRATE THE BEDDING, SUBSIDING AND COVER MATERIALS. THE BARRIERS SHOULD CONSIST OF RELATIVELY DRY AND COMPACTABLE BROWN CLAY PLACED IN MAXIMUM 150mm THICK LAYERS LOCATED TO A MINIMUM OF 60% OF THE MATERIAL'S INTERVAL. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60% INTERVALS IN THE SERVICE TRENCHES. FOR DETAILS REFER TO GEOTECHNICAL INVESTIGATION.
12. GRANULAR "X" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
13. CONTRACTOR SHALL PERFORM LEAKAGE TESTING IN THE PRESENCE OF THE CONSULTANT. FOR SANITARY SERVICES IN ACCORDANCE WITH OPS8.410 AND OPS8.407, CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SERVICES. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.
14. ANY SEWER ABANDONMENT TO BE CONDUCTED ACCORDING TO 81% OF OTTAWA STANDARD S11.

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- The diagram illustrates the components and locations for sanitary drainage. It includes a cross-section of a pipe with a manhole cover on top, labeled 'FUTURE SUBDRAIN CATCHBASIN'. Below the pipe, there are labels for 'PROPOSED DERESSED CURB LOCATIONS', 'PROPOSED MOUNTABLE/BARRIER CURB LOCATION', and 'THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5m; THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m AS PER WGL'. The entire assembly is labeled 'SANITARY DRAINAGE'.

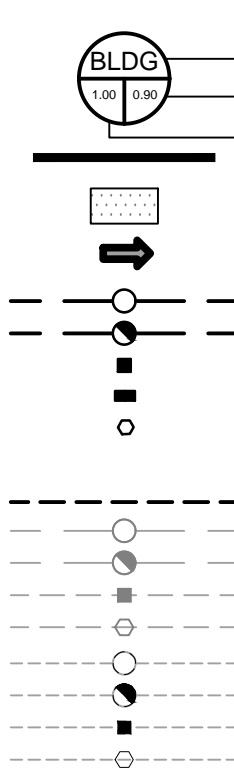
CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THIS PROJECT.

- EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION SITE RUN-OFF IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

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- Legend for Sanitary Drainage Area (S.D.A.) symbols:
- SANITARY DRAINAGE AREA (D#)
 - COMMERCIAL OR INSTITUTIONAL FLOW RATES USED
 - SANITARY DRAINAGE AREA F#
 - SANITARY DRAINAGE AREA
 - PROPOSED SANITARY SEWER
- EROSION CONTROL**
- PROPOSED SILT FENCE BOUNDARY AS PER OFSD 219.110
 - PROPOSED CATCH-BASIN PROTECTION
 - PROPOSED MUD MAT LOCATION



STORM DRAINAGE



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- (BLDG) AREA ID
 RUNOFF COEFFICIENT
 STORM DRAINAGE AREA NO.
 STORM DRAINAGE BOUNDARY
 MAXIMUM PONDING LIMITS
 DIRECTION OF OVERLAND FLOW
 PROPOSED STORM SEWER
 PROPOSED CATCHBASIN MANHOLE
 PROPOSED CATCHBASIN
 PROPOSED DOUBLE CATCH BASIN
 PROPOSED SUB DRAIN CATCH BASIN OF OTTAWA STANDARD CODE AND 11)
 PROPOSED PERFORATED SUB DRAIN
 PROPOSED STORM SEWER
 EXISTING CATCHBASIN MANHOLE
 EXISTING CATCHBASIN
 EXISTING SUBURBAN CATCHBASIN
 FUTURE STORM SEWER
 FUTURE CATCHBASIN MANHOLE
 FUTURE CATCHBASIN
 FUTURE SUBURBAN CATCHBASIN