

STORM MANHOLE SCHEDULE table with columns: LOCATION, INVERT ELEVATIONS (m), TOP COVER (m), MANHOLE TYPE. Includes locations like EX 87.453, MH 1, MH 2, etc.

STORM CATCHBASIN SCHEDULE table with columns: LOCATION, INVERT ELEVATIONS (m), TOP COVER (m). Includes locations like TRENCH DRAIN CB, CIB 2, CIB 3, etc.

WATERMAIN SCHEDULE table with columns: STATION, DESCRIPTION, FINISHED GRADE(m), TOP OF WATERMAIN(m), AS BUILT WATERMAIN(m). Includes stations like A+1+100.0, A+1+111.5, etc.

DRAWING NOTES

- 1.0 GENERAL
1.1 CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
1.2 DO NOT SCALE DRAWINGS.
1.3 CONTRACTOR TO REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
1.4 USE ONLY THE LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED 'ISSUED FOR CONSTRUCTION'.

SANITARY MANHOLE SCHEDULE table with columns: LOCATION, INVERT ELEVATIONS (m), TOP COVER (m), MANHOLE TYPE. Includes locations like MH1A, MH2A, MH3A, etc.

Table with columns: LOCATION, INVERT ELEVATIONS (m), TOP COVER (m). Includes locations like RVCB 51, CIB 52, CIB 53, etc.

Table with columns: STATION, DESCRIPTION, FINISHED GRADE(m), TOP OF WATERMAIN(m), AS BUILT WATERMAIN(m). Includes stations like M+6+202.00, M+6+100.00, etc.

- 1.15 CONTRACTOR TO HAUL EXCESS MATERIAL OFFSITE AS NECESSARY TO GRADE SITE TO MEET THE PROPOSED GRADES. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY ENGINEER, ENGINEER TO DETERMINE APPROPRIATE DISPOSAL METHODOLOGY.
1.16 ALL DISTURBED BOULEVARDS TO BE REINSTATED WITH SOD ON 100mm TOPSOIL.
1.17 UTILITY DUCTS TO BE INSTALLED PRIOR TO ROAD BASE CONSTRUCTION.
2.0 SANITARY

\* COMPLETE WITH WATER TIGHT FRAME & COVER

CROSSING SCHEDULE table with columns: CLEARANCE UNDER, EX/400mm W/M, 450mm STM, 0.940m, etc.

Table with columns: CLEARANCE UNDER, EX/400mm W/M, 450mm STM, 0.940m, etc.

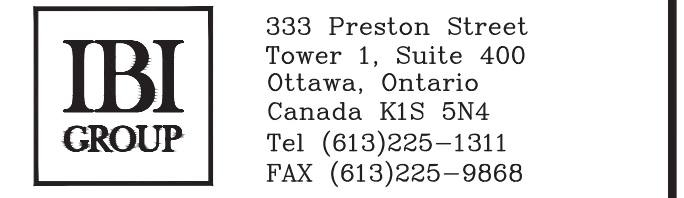
Table with columns: STATION, DESCRIPTION, FINISHED GRADE(m), TOP OF WATERMAIN(m), AS BUILT WATERMAIN(m). Includes stations like N+7+328.63, O+8+100.0, etc.

- 2.1 ALL SANITARY SEWERMAINS TO BE CSA CERTIFIED PVC SR 35, BELL AND SPIGGOT TYPE. ONLY FACTORY FITTINGS TO BE USED. SEWER TO BE INSTALLED AS PER OSPD 1005.01.
2.2 ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDARDS COMPLETE WITH BENCHING, STEPS IF REQUIRED, AND FRAME AND COVER.
2.3 SANITARY MH FRAME AND COVER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.
2.4 SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY SPECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.
2.5 ANY SANITARY SEWER WITH LESS THAN 1.8m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
2.6 CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY SEWER INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.
3.0 STORM
3.1 ALL STORM SEWER TO BE CSA CERTIFIED PVC SR 35 OR CONCRETE CLASS 100-D, BELL AND SPIGGOT TYPE. ALL STORM SEWERS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. ONLY FACTORY FITTINGS TO BE USED.
3.2 ALL STORM MAINTENANCE HOLES TO BE SIZED IN WITH THE PLANS AND AS PER CITY OF OTTAWA STANDARDS COMPLETE WITH BENCHING FOR SEWERS 900mm OR GREATER, STEPS IF REQUIRED, AND FRAME AND COVER.
3.3 STORM MH FRAME AND COVERS TO BE OPEN TYPE, AS PER CITY STANDARD S24. CONTRACTOR TO INSTALL FILTER FABRIC UNDER STORM MH COVER UNTIL SODDING IS COMPLETE.
3.4 STORM MAINTENANCE HOLES TO BE AS PER OSPD 701.010, TAPER TOP TYPE COMPLETE WITH 300mm SUMP FOR SEWER LESS THAN 900mm. ALL STORM CBMHS TO BE FLAT TOP TYPE.
3.5 ALL CATCH BASINS TO BE AS PER OSPD 705.010, FRAME & GRATE AS PER 400.02, LEAD TO BE AS PER ITEM 3.1.
3.6 ALL DITCH INLET CBS TO BE AS PER OSPD 705.030 WITH 3:1 SLOPE. ALL DITCH INLET MANHOLES TO BE TYPE F AS PER OSPD 702.040. ALL DITCH INLET GRADE AS PER OSPD 403.010, LEAD AS PER ITEM 3.1.
3.8 STORM WATER ICDS TO BE INSTALLED IN CBS PRIOR TO BASE ASPHALT.
3.9 ANY STORM SEWER WITH LESS THAN 1.4m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
3.10 CONNECTION TO THE EXISTING STORM SEWER TO BE INCLUDED IN THE COST FOR STORM SEWER INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUT TO CITY STANDARDS.
3.10 GEOTECHNICAL

APPROVED [ ] REFUSED [ ]
THIS DAY OF \_\_\_\_\_, 20\_\_\_\_
DERICK MOODIE, MANAGER
DEVELOPMENT REVIEW WEST
PLANNING, INFRASTRUCTURE AND ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

Table with columns: No., REVISIONS, Date. Includes entries like 24 REVISED AS PER CITY COMMENTS, 23 REVISED SPA CRU B-3, PAD, etc.

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Project Title

5705 HAZELDEAN ROAD
OTTAWA, ONT.



SCHEDULES AND NOTES
PHASE 1 & 2

Table with columns: Design, Date, Drawn, Checked, Project No., Drawing No. Includes entries like Design: D.G.Y., Date: OCTOBER 2011, Project No.: 10113, Drawing No.: C-105