

1. GENERAL

1.1 USE BAR SCALE TO CONFIRM ACTUAL PLOT SCALE. EXISTING AND NEW ELEVATIONS AND INVERTS SHOWN ARE GEODETIC AND ARE IN METERS. ALL PIPE DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

2. EROSION AND SEDIMENT CONTROL PLAN

2.1 THE EROSION AND SEDIMENT CONTROL PLAN IS A "LIVING DOCUMENT" AND SHALL BE REVISED IN THE EVENT THE SPECIFIED CONTROL MEASURES ARE NOT SUFFICIENT TO PREVENT EROSION AND SEDIMENTATION PATTERN ON PROPERTY.

3. GRADING & DRAINAGE

3.1 NEW GRADES TO MATCH EXISTING AT PROPERTY LINE. NO EXCESS DRAINAGE WILL BE DIRECTED TOWARDS THE ADJACENT PROPERTIES DURING AND AFTER CONSTRUCTION.

4. SITE SERVICES

4.1 EXISTING WATER SERVICE CONNECTIONS TO BE DECOMMISSIONED SHALL BE BLANKED AT CITY WATERMAIN BY CITY FORCES. CONTRACTOR SHALL PROVIDE EXCAVATION, BEDDING AND REINSTATEMENT. EXISTING SEWER CONNECTIONS SHALL BE DECOMMISSIONED AS PER CITY OF OTTAWA STANDARDS AND CITY DRAWING S11.4.

5.9 CUT AND FILL AS NECESSARY TO ACHIEVE THE REQUIRED SUB-GRADE ELEVATION. DISPOSE OF SURPLUS AND UNSUITABLE EXCAVATED MATERIAL OFF SITE. FILL MATERIAL AND THE PLACEMENT AND COMPACTION OF THE FILL MATERIAL AS PER THE GEOTECHNICAL REPORT AND TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT.

5.10 EXCAVATION, TRENCHING, ENGINEERED FILL, COMPACTION & BACKFILL SHALL BE AS PER THE GEOTECHNICAL INVESTIGATION: A. SHORE AND BRACE EXCAVATIONS, PROTECT SLOPES AND BANKS AND PERFORM ALL WORK IN ACCORDANCE WITH ONTARIO REGULATION 437 UNDER THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND OTHER AUTHORITIES HAVING JURISDICTION.

5.11 PIPES: A. HANDLE PIPE USING METHODS APPROVED BY MANUFACTURER. B. LAY, CUT AND JOIN PIPES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. C. USE ONLY FITTINGS AS RECOMMENDED BY PIPE MANUFACTURER.

5.12 SEWERS AND SEWER SERVICES: A. CONSTRUCT SEWER TRENCHES AS PER CITY DWG 56 & 57. B. RIGID STRUCTURE. INSTALL PIPE JOINTS NOT MORE THAN 1.2M FROM SIDE OF STRUCTURE.

5.13 WATER SERVICE: A. INSTALL AND TEST TRACER WIRE ON THE WATER SERVICE CONNECTION AS PER 4.3.12 OF THE CITY OF OTTAWA WATER DISTRIBUTION DESIGN GUIDELINES AND DRAWING W36.

5.14 MANHOLES & CATCH BASINS: A. JOINTS SHALL BE MADE WATERTIGHT. B. SET PRECAST CONCRETE BASE ON 150mm MINIMUM OF GRANULAR BEDDING COMPACTED TO 100% CORRECTED MAXIMUM DRY DENSITY.

5.15 MAINTAIN RECORD DRAWINGS AND RECORD ACCURATELY DEVIATIONS FROM THE ORIGINAL CONTRACT DOCUMENTS CAUSED BY SITE CONDITIONS AND CHANGES MADE BY CHANGE ORDER OR ADDITIONAL INSTRUCTIONS. UPDATE DAILY AND MAKE AVAILABLE ON-SITE FOR REVIEW THROUGHOUT THE CONSTRUCTION PERIOD.

5.16 CONCRETE CURBS SHALL BE CONSTRUCTED TO CITY OF OTTAWA DRAWING No. SC1.1. CONCRETE SIDEWALK SHALL BE CONSTRUCTED TO CITY OF OTTAWA DRAWING No. SC4. MONOLITHIC CONCRETE CURB AND SIDEWALK SHALL BE CONSTRUCTED TO CITY OF OTTAWA DRAWING No. SC2.

5.17 WHETHER RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE PRODUCTS OR DAMAGE DEFECTIVE PORTIONS OF CURBS, SIDEWALKS AND ASPHALT SHALL BE CORRECTED OR REMOVED AND REPLACED. PROMPTLY MAKE GOOD OTHER CONTRACTOR'S WORK DAMAGED BY SUCH REMOVALS OR REPLACEMENTS.

5.18 REINSTATE ALL AREAS DISTURBED BY CONSTRUCTION. REINSTATE PAVEMENTS, CURBS AND SIDEWALKS, TO THICKNESS, STRUCTURE AND ELEVATION WHICH EXISTED BEFORE CONSTRUCTION. REINSTATE LANDSCAPED AREAS TO THE CONDITION AND ELEVATION WHICH EXISTED BEFORE CONSTRUCTION.

5.19 CLEAN AND REINSTATE AREAS AFFECTED BY THE WORK. RE-CYCLED GRANULAR MATERIALS ARE NOT PERMITTED. ASPHALTIC CONCRETE SHALL BE PERFORMANCE GRADE PG58-34.

WATER SERVICE PROFILE TABLE

Table with columns: STATION, DESCRIPTION, GRADE ELEVATION, TOP OF PIPE, DEPTH OF COVER, NOTES. Material: 150mm PVC PRESSURE CLASS 150 DR18.

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CATCH-BASIN & MANHOLE SCHEDULE

Table with columns: REF, TOP, SIZE, TYPE, INVERT AT INLET, INVERT AT OUTLET, NOTES. Includes sections for STORM SEWER and SANITARY SEWER.

KEY PLAN



Table with columns: No., DATE, REVISION. Log of revisions for the project.

D. B. GRAY ENGINEERING INC. Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermain

PROPOSED 6-STORY MIXED-USE BUILDING 2040 ARROWSMITH DRIVE OTTAWA, ONTARIO

NOTES & SCHEDULES

Professional Engineer seal for D.B. Gray, License No. 177, Province of Ontario. Includes drawing title 'C-10 of 17' and job number '22062'.

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