

1. GENERAL

- 1.1 USE BAR SCALE TO CONFIRM ACTUAL PLOT SCALE. EXISTING AND NEW ELEVATIONS AND MILLIMETERS UNLESS OTHERWISE NOTED.
- 1.2 UNLESS OTHERWISE STATED "ENGINEER" REFERS TO D. B. GRAY ENGINEERING INC. EXCEPT WHERE SHOWN OTHERWISE. ALL DRAWINGS, SPECIFICATIONS & UTILITIES ARE NOT NECESSARILY SHOWN. ANY AND ALL CHANGES TO THE DRAWINGS AVAILABLE INFORMATION AND MUST BE CONFIRMED ON SITE BEFORE COMMENCING CONSTRUCTION. REPORT ANY DIFFERENCES TO ENGINEER. UNDERGROUND LOCATES (INCLUDING ONTARIO ONE CALL: 1-800-400-2255) SHALL BE CONDUCTED PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION.
- 1.4 SITE BOUNDARIES AND EXISTING GRADES AND OTHER FEATURES DERIVED FROM TOPOGRAPHIC SURVEY PREPARED BY ANNIS O'SULLIVAN, VOLLEBEKK LTD JOB No. 20861-20. IT IS THE RESPONSIBILITY OF THE USER OF THE SURVEY PLAN AND THESE DRAWINGS TO VERIFY THE INFORMATION SHOWN HAS NOT BEEN ALTERED OR MISREPRESENTED AND TO OBTAIN THE ORIGINAL SURVEY PLAN AND DESCRIPTION AGREE WITH THE INFORMATION SHOWN ON SURVEY PLAN AND THESE DRAWINGS.
- 1.5 REFER TO ARCHITECTURAL AND LANDSCAPE SITE PLANS FOR EXACT LOCATIONS OF BUILDINGS, PAVED AREAS, SIDEWALKS, PLANTERS ETC.
- 1.6 REFERENCE THE LATEST REVISION AND ALL ADDENDUMS OF THE GEOTECHNICAL INVESTIGATION BY PATERSON GROUP INC. REPORT PG5538-1. SITE PREPARATION INCLUDING BUILDING SUB-GRADING OF THE EXISTING STRUCTURE AND SURROUNDING AREAS INCLUDING COMPACTATION OF MATERIALS SHALL CONFORM TO THE GEOTECHNICAL INVESTIGATION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- 1.7 DRAWINGS ARE TO BE READ IN CONJUNCTION WITH SERVICING BRIEF & STORM WATER MANAGEMENT REPORT No. 20100 PREPARED BY D. B. GRAY ENGINEERING INC.
- 1.8 REINSTATE ADJACENT PROPERTIES TO PRE-CONSTRUCTION CONDITIONS.
- 1.9 REINSTATE CITY PROPERTIES TO CITY STANDARDS AND TO CITY OF OTTAWA'S SATISFACTION. ALL SPECIFICATIONS AND REQUIREMENTS SHALL BE IN ACCORDANCE WITH CURRENT CITY STANDARDS AND SPECIFICATIONS.
- 1.11 ONTARIO PROVINCIAL STANDARDS & SPECIFICATIONS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.

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. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, USING SEDIMENT CAPTURE FILTER SOCK INSERTS IN CATCH BASINS AND MANHOLES AND INSTALLING SILT FENCES AND OTHER APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES. ALL CONTROL MEASURES MUST BE SUBJECT TO APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SPECIFICALLY TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY. SPECIFICALLY THE CONTRACTOR SHALL INSTALL THE FOLLOWING CONTROL MEASURES AND INSPECT, MAINTAIN AND REMOVE THE CONTROL MEASURES.
- 2.2 PRIOR TO COMMENCEMENT OF CONSTRUCTION AT ALL MUNICIPAL CATCH BASINS ADJACENT TO THE SITE AND AT ANY MANHOLES OR CATCH BASINS THAT WILL RECEIVE DISCHARGE FROM THE SITE, THE CONTRACTOR SHALL INSTALL THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES: a. SEDIMENT CAPTURE FILTER SOCK INSERTS (TERMINATING AT THE END OF EACH RAINFALL EVENT APPROX EQUAL) INSPECT AT THE END OF EACH DAY AND AFTER EACH RAINFALL. REMOVE SEDIMENT AS RECOMMENDED BY THE MANUFACTURER IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED FILTER SOCK INSERTS. DO NOT REMOVE UNTIL CONSTRUCTION IS COMPLETE.
- 2.3 ANY MATERIAL DEPOSITED ON PUBLIC ROAD SHALL BE REMOVED BY SWEEPING AND SHOVELING OR VACUUMING AND DISPOSING SEDIMENT IN A CONTROLLED AREA. DO NOT SWEEP OR HOSE MATERIAL INTO ANY STORMWATER CONVEYANCE SYSTEM.
- 2.4 CONSTRUCTION IS CONSIDERED COMPLETE WHEN THE FOLLOWING CONDITIONS HAVE BEEN MET: a. ALL STRUCTURES HAVE BEEN BUILT. b. ALL HARD SURFACES HAVE BEEN CONSTRUCTED. c. ALL PROPOSED GRASSED AREAS ARE EITHER SODDED OR HAVE A FULL COVERAGE OF WELL ESTABLISHED TURF AND HAVE HAD A MINIMUM OF ONE FULL GROWING SEASON (MAY 15TH TO SEPTEMBER 15TH).
- 2.5 REMOVE EROSION AND SEDIMENT CONTROL MEASURES WHEN CONSTRUCTION IS COMPLETE.

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. THERE SHALL BE NO UNDESIRABLE CHANGES TO EXISTING DRAINAGE PATTERNS.
- 3.2 ALL AREAS SHALL BE GRADED TO CONFORM TO THE CITY OF OTTAWA DRAINAGE SCHEDULE TO CATCH BASINS, SWALES, DITCHES AND OTHER APPROVED DISPOSAL AREAS. GRADING SHALL BE GRADUAL BETWEEN FINISHED SPOT ELEVATIONS SHOWN ON DRAWINGS TO PREVENT PONDING (OTHER THAN PONDING REQUIRED FOR STORMWATER MANAGEMENT).
- 3.3 WHETHER RESULT OF POOR WORKMANSHIP OR DAMAGE: DEFECTIVE GRADING SHALL BE CORRECTED. PROMPTLY MAKE GOOD OTHER CONTRACTOR'S WORK DAMAGED BY SUCH CORRECTIONS.

4. SITE SERVICES

- 4.1 EXISTING SEWER SERVICE CONNECTIONS SHALL BE DECOMMISSIONED AS PER CITY OF OTTAWA STANDARDS S11.4. CONNECTION TO WATERMAIN BY CITY OF OTTAWA FORCES. CONTRACTOR SHALL PROVIDE EXCAVATION, BACKFILL AND REINSTATEMENT.
- 4.2 WATER METER SHALL BE INSTALLED AS PER CITY OF OTTAWA DWG. No. W31. STANDARDS AND ONTARIO PROVINCIAL STANDARDS SPECIFICATIONS TO CITY OF OTTAWA WATER SERVICE MATERIALS AND CONSTRUCTION METHODS TO CITY OF OTTAWA DWG. No. W23. WATER METER SHALL BE INSTALLED AS PER CITY OF OTTAWA DWG. No. W23. BLOCKS AS PER CITY OF OTTAWA DWG. No. W23. TESTS TO BE CONDUCTED AS PER CITY OF OTTAWA DWG. No. W23. REDUCERS AND HYDRANTS OR OTHER AS PER CITY OF OTTAWA DWG. No. 25.5 & 25.6 ALL DIRECTION, RESTRAINING AS PER AS PER CITY OF OTTAWA DWG. No. 25.5 & 25.6 ALL CONNECTIONS, RESTRAINING RODS AND VALVE BOLTS TO BE STAINLESS STEEL. CATHODIC PROTECTION & ANODE INSTALLATION AS PER CITY OF OTTAWA DWG. No. 40, 44 & 47.
- 4.4 PROVIDE A MINIMUM 2.4 m COVER OVER WATER SERVICE CONNECTION. WHERE THE MINIMUM COVER IS NOT POSSIBLE INSULATE AS PER CITY OF OTTAWA DWG. No. W22. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED AS PER CITY OF OTTAWA DWG. No. W22. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED AS PER CITY OF OTTAWA DWG. No. W23. PLACE INSULATION AROUND WATER SERVICE CONNECTIONS AS PER CITY OF OTTAWA DWG. No. W23.
- 4.6 THE WATER SERVICE CONNECTION SHALL CROSS ABOVE THE SEWER AS PER CITY OF OTTAWA DRAWING No. W25.2; PROVIDE A MINIMUM 250mm BARRELL TO BARRELL VERTICAL SEPARATION. IF IT IS NOT POSSIBLE FOR THE WATERMAIN TO CROSS ABOVE A SEWER THE WATERMAIN SHALL CROSS BELOW THE SEWER AS PER CITY OF OTTAWA DRAWING No. W25. PROVIDE A MINIMUM 500mm BARRELL TO BARRELL VERTICAL SEPARATION AND ENSURE THAT THE WATERMAIN IS CENTERED AT THE POINT OF CROSSING 50 JOINTS ARE AS FAR AS POSSIBLE FROM THE SEWER CENTERLINE.
- 4.7 THE SANITARY BUILDING DRAIN SHALL BE INSTALLED WITH A FULL-PORT BACKWATER VALVE TO CITY OF OTTAWA STANDARDS AND TO CITY OF OTTAWA DWG. No. S14.1 OR S14.2. THE BACKWATER VALVE SHALL BE INSTALLED SO THAT ALL PLUMBING FIXTURES ABOVE THE EXTERIOR GRADE WATER GRADE DRAIN TO THE DOWNSTREAM SIDE OF THE VALVE AND ALL FIXTURES BELOW THE EXTERIOR GRADE DRAIN TO THE UPSTREAM SIDE OF THE VALVE. BACKWATER VALVE TO CITY OF OTTAWA STANDARDS AND TO CITY OF OTTAWA DWG. No. S14.
- 4.9 SEWER SERVICE LATERAL SHALL HAVE A MINIMUM 2.0m OF COVER.
- 4.10 INSTALL CLEANOUTS ON THE STORM BUILDING DRAIN AND SANITARY BUILDING DRAIN AS CLOSE AS PRACTICAL TO THE WHERE THE SANITARY AND STORM DRAINS LEAVE THE EXISTING MUNICIPAL COMBINED SEWER AS PER CITY OF OTTAWA DWG No. S11.2 (SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE USING BELL END INSERT METHOD).
- 4.12 ALL SEWER MATERIALS AND CONSTRUCTION METHODS TO CITY OF OTTAWA STANDARDS AND ONTARIO PROVINCIAL STANDARDS SPECIFICATIONS (OPS & OPS). SEWER MATERIAL SHALL BE PVC.
- 4.13 THE INLET CONTROL DEVICE (LOCATED IN THE OUTLET PIPE OF THE CISTERN SHALL BE A HYDROVEX VORTEX FLOW REGULATOR (OR APPROVED EQUIV) AND SIZED BY THE MANUFACTURER FOR A DISCHARGE RATE AS INDICATED ON CISTERN DETAIL. PRIOR TO INSTALLATION SUBMIT SHOP DRAWING TO ENGINEER FOR APPROVAL.
- 4.14 THE EXISTING WELL SHALL BE ABANDONED AND DECOMMISSIONED IN ACCORDANCE WITH MINISTRY OF THE ENVIRONMENT (MOE) REGULATION 903 BY A LICENSED WELL CONTRACTOR.

5. CONSTRUCTION:

- 5.1 PRIOR TO COMMENCING WORK: a. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE AUTHORITIES. b. SIZE, DEPTH AND LOCATION OF EXISTING SERVICES, UTILITIES AND STRUCTURES AS INDICATED ON DRAWINGS. c. VERIFY ALL EXISTING SERVICES, UTILITIES AND STRUCTURES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. NOTIFY ALL APPLICABLE OWNERS, UTILITY COMPANIES AND AUTHORITIES HAVING JURISDICTION OF PROPOSED WORK AND LOCATE AND CLEARLY IDENTIFY ALL EXISTING SERVICES, UTILITIES AND STRUCTURES ON AND ADJACENT TO THE SITE. UNDERGROUND LOCATES (INCLUDING ONTARIO ONE CALL: 1-800-400-2255) SHALL BE CONDUCTED PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION. CONFIRM LOCATIONS OF BURIED SERVICES AND UTILITIES BY CAREFUL TEST EXCAVATIONS AND REPORT ANY DIFFERENCES TO THE ENGINEER.
- 5.2 MAINTAIN AND SCHEDULE WORK WITH THE AUTHORITIES AND OTHER TRADES. E. COORDINATE AND SCHEDULE WORK WITH THE MINIMUM DISRUPTION TO SERVICES. F. SCHEDULE WORK TO PROVIDE THE MINIMUM DISRUPTION TO SERVICES. G. MAINTAIN AND PROTECT FROM DAMAGE, SERVICES, UTILITIES AND STRUCTURES. H. PROTECT EXISTING BUILDINGS, TREES AND OTHER PLANTS, LAWN, FENCING, SERVICE POLES, WIRES, PAVEMENT, SURVEY BENCH MARKS AND MONUMENTS AND OTHER SURFACE FEATURES FROM DAMAGE WHILE WORK IS IN PROGRESS. DO NOT DISTURB SOIL WITHIN BRANCH SPREAD OF TREES OR SHRUBS THAT ARE TO REMAIN.
- 5.4 PROVIDE TRAFFIC CONTROL AND SAFETY MEASURES INCLUDING ANY NECESSARY PERSONNEL AND THE SUPPLY, INSTALLATION, REMOVAL AND REPLACEMENT OF ALL NECESSARY SIGNAGE AND LIGHTING TO MAINTAIN THE SAFETY OF THE PUBLIC. IF APPLICABLE, PROVIDE TRAFFIC MANAGEMENT PLAN AS PER CITY OF OTTAWA REQUIREMENTS.
- 5.5 REMOVE OBSTRUCTIONS, ICE AND SNOW, FROM SURFACES TO BE EXCAVATED. ORDER THAT SURFACE AND / OR SIDEWALK NEATLY ALONG LIMITS OF PROPOSED EXCAVATION IN SUB-GRADE. PIPE BEDDING AND EACH LAYER OF SURROUND MATERIAL, BACKFILL, SUB-BASE, BASE AND ASPHALT TO SATISFACTION OF THE GEOTECHNICAL CONSULTANT AND ENGINEER. 5.8 CUT AND FILL AS NECESSARY TO ACHIEVE THE REQUIRED SUB-GRADE ELEVATION. THE DISPOSE OF SURPLUS AND UNSUITABLE EXCAVATED MATERIAL OFF SITE. FILL MATERIAL AND FILL TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT. STOCKPILE GRANULAR AND FILL MATERIALS IN MANNER TO PREVENT SEGREGATION AND PROTECT FROM CONTAMINATION.
- 5.9 EXCAVATION, TRENCHING & BACKFILL: PROTECT SLOPES AND BANKS AND PERFORM ALL WORK IN ACCORDANCE WITH ONTARIO REGULATION 23 UNDER THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND OTHER AUTHORITIES HAVING JURISDICTION.
- 5.10 EXCAVATIONS FREE OF WATER WHILE WORK IS IN PROGRESS. PROTECT OPEN EXCAVATIONS AGAINST FLOODING AND DAMAGE DUE TO SURFACE RUN-OFF.
- 5.11 EXCAVATION MUST NOT INTERFERE WITH BEARING CAPACITY OF ADJACENT FOUNDATIONS.
- 5.12 NOT OBSTRUCT FLOW OF SURFACE DRAINAGE OR NATURAL WATERCOURSES.
- 5.13 EXCAVATE TO LINES, GRADES, ELEVATIONS AND DIMENSIONS AS INDICATED.
- 5.14 EARTH BOTTOMS OF EXCAVATIONS TO BE UNDISTURBED SOIL, LEVEL, FREE FROM LOOSE, SOFT OR ORGANIC MATTER.
- 5.15 ALL STRUCTURES WITHIN PAVED AREAS SHALL HAVE 4:1 FROST TAPERS FROM FROST LINE TO SUB-GRADE.
- 5.16 CORRECT OVER-EXCAVATION WITH GRANULAR A COMPACTED TO NOT LESS THAN 95% OF CORRESPONDING SUB-GRADE AND AREAS TO BE BACKFILLED TO BE FREE FROM DEBRIS, SNOW, ICE, WATER AND FROZEN GROUND.
- 5.17 DO NOT USE BACKFILL MATERIAL WHICH IS FROZEN OR CONTAINS ICE, SNOW OR DEBRIS.
- 5.18 BEDDING AND SURROUND MATERIAL FOR SEWERS SHALL BE OPS5 GRANULAR A. BEDDING AND SURROUND MATERIAL FOR WATERMAIN AND WATER SERVICE CONNECTIONS SHALL BE OPS5 GRANULAR A OR OPS5 GRANULAR M. RE-CYCLED GRANULAR MATERIALS ARE NOT PERMITTED.
- 5.19 DO NOT USE BEDDING, SURROUND OR BACKFILL MATERIAL WHICH IS FROZEN OR CONTAINS ICE, SNOW OR DEBRIS.
- 5.20 PIPE BEDDING SHALL BE 150mm THICK. SHAPE BED TRUE TO GRADE AND TO PROVIDE CONTINUOUS, UNIFORM BEARING SURFACE FOR PIPE.
- 5.21 PLACE SURROUND MATERIAL AROUND PIPES TO FULL WIDTH OF TRENCH AND TO 300mm TO FACE OF PIPE.
- 5.22 PLACE BEDDING AND SURROUND MATERIAL IN UNIFORM LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS. PLACE FILL AND BACKFILL MATERIAL IN UNIFORM LAYERS NOT EXCEEDING 300mm COMPACTED THICKNESS.
- 5.23 COMPACT EACH LAYER TO 95% OF CORRECTED DRY DENSITY BEFORE PLACING SUCCEEDING LAYER.
- 5.24 DO NOT BACKFILL AROUND OR OVER CAST-IN-PLACE CONCRETE WITHIN 24 HOURS AFTER PLACEMENT.
- 5.25 BACKFILL MATERIALS WITHIN 1.8m OF PROPOSED GRADE SHALL MATCH THE MATERIALS EXPOSED ON THE TRENCH WALLS. BACKFILL BELOW 1.8m OF THE PROPOSED CAN CONSIST OF EITHER ACCEPTABLE NATIVE MATERIAL: ROCK; OR IMPORTED GRANULAR MATERIAL CONFORMING TO OPS5 GRANULAR B TYPE I OR II. ANY ORGANIC SOILS OR TOPSOIL, IF ENCOUNTERED, SHALL BE REMOVED FROM THE EXCAVATION. IF ROCK IS USED AS BACKFILL IT SHALL BE WELL SHATTERED AND GRADED AND 200mm OR SMALLER IN DIAMETER. TO PREVENT FISHING OF FINING MATERIAL IN THE ROCK ALL THE UPPER SURFACE OF THE ROCK SHALL BE COVERED WITH 150mm LAYER OF COMPACTED, WELL GRADED CRUSHED STONE PLACED ON GEOTEXTILE FABRIC.
- 5.26 HANDLE PIPE USING METHODS APPROVED BY MANUFACTURER.
- 5.27 LAY, CUT AND JOIN PIPES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 5.28 USE ONLY FITTINGS AS RECOMMENDED BY PIPE MANUFACTURER.
- 5.29 DRY PIPES ON PREPARED BED, TRUE TO LINE AND GRADE, AND ENSURE BARREL OF EACH PIPE CONTACT WITH SHAPED BED THROUGHOUT ITS FULL LENGTH, FREE OF SAGS OR HIGH POINTS.
- 5.30 DO NOT EXCEED MAXIMUM JOINT DEFLECTION RECOMMENDED BY PIPE MANUFACTURER.
- 5.31 WHENEVER WORK IS SUSPENDED, INSTALL REMOVABLE WATERTIGHT BULKHEAD AT OPEN END OF LAST PIPE LAID TO PREVENT ENTRY OF FOREIGN MATERIALS.
- 5.32 MAKE WATERTIGHT CONNECTIONS TO MANHOLES.
- 5.33 REPAIR OR REPLACE PIPE, PIPE JOINT OR BEDDING FOUND DEFECTIVE.
- 5.34 REPAIR OR REPLACE PIPE, PIPE JOINT OR BEDDING FOUND DEFECTIVE.
- 5.35 CONSTRUCT SEWER TRENCHES AS PER CITY DWG S6 & S7.
- 5.36 RIGID STRUCTURES, INSTALL PIPE JOINTS NOT MORE THAN 1.2M FROM SIDE OF STRUCTURE.
- 5.37 MAINTAIN EXISTING SEWAGE FLOWS DURING CONSTRUCTION.
- 5.38 CONSULT TESTS FOR SANITARY SEWERS AND COORDINATE WITH ENGINEER. DYE TEST SHALL BE WITNESSED BY ENGINEER.
- 5.39 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. b. WATER DISTRIBUTION SECTION 4.6.1.3. c. PER CITY OF OTTAWA DESIGN GUIDELINES - WATER DISTRIBUTION SECTION 4.6.1.3. d. PER CITY OF OTTAWA DESIGN GUIDELINES - WATER DISTRIBUTION SECTION 4.6.1.3. e. PER CITY OF OTTAWA DESIGN GUIDELINES - CONTRACT DOCUMENTS CAUSED BY SITE CONDITIONS AND CHANGES MADE BY CHANGE ORDER THROUGHOUT THE CONSTRUCTION PERIOD. MARK CHANGES IN RED INK. RECORD DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO CHANGES OF DIMENSION AND DETAIL. SERVICES TO GRADE AND REINSTATEMENTS REFERENCED TO PERMANENT SURFACE STRUCTURE. SUBMIT DRAWINGS TO ENGINEER AT THE END OF CONSTRUCTION.
- 5.40 WHETHER RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE PRODUCTS OR DAMAGE: DEFECTIVE PORTIONS OF CURBS, SIDEWALK AND ASPHALT SHALL BE CORRECTED OR REMOVED AND REPLACED. PROMPTLY MAKE GOOD OTHER CONTRACTOR'S WORK DAMAGED BY SUCH REMOVALS OR REPLACEMENTS.
- 5.41 REINSTATE ALL AREAS DISTURBED BY CONSTRUCTION. REINSTATE PAVEMENTS, CURBS AND SIDEWALKS TO ORIGINAL FINISHES. SUBMIT DRAWINGS TO ENGINEER FOR APPROVAL.
- 5.42 REINSTATE LANDSCAPED AREAS TO THE CONDITION AND ELEVATION WHICH EXISTED BEFORE CONSTRUCTION.
- 5.43 CLEAN AND REINSTATE AREAS AFFECTED BY THE WORK.

DRAWING LEGEND

CB	CATCH BASIN
MH	MANHOLE
CB/MH	CATCH BASIN/MANHOLE
SPL	SPRINGLINE OF PIPE
INV	INVERT OF PIPE
SN	SANITARY SEWER
ST	STORM SEWER
WS/WV	WATER SERVICE/WATERMAIN
CS	CURB STOP & STANDPOST
VB	VALVE & VALVE BOX
VC	VALVE CHAMBER
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
RD	ROOF DRAIN
WM	WATER METER
RM	REMOTE WATER METER READOUT
± 66.75	EXISTING GRADE ELEVATION
± 66.75	EXISTING GRADE ELEVATION
0.5%	EXISTING SLOPE OF GRADE
0.5%	PROPOSED SLOPE OF GRADE
---	PROPERTY LINE
FFL	FIRST FLOOR ELEVATION
TOP	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING

KEY PLAN



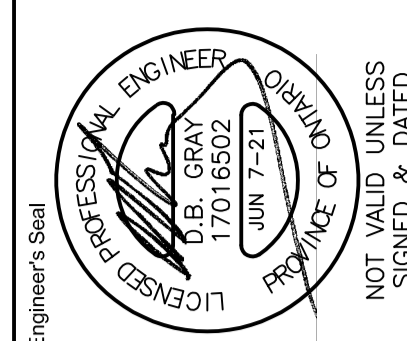
No.	DATE	REVISION
1	JAN 14-21	ISSUED FOR COORDINATION
2	JAN 18-21	ISSUED FOR APPROVAL
3	JUN 7-21	RE-ISSUED FOR APPROVAL

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Project
PROPOSED SIX-STORY MIXED-USE BUILDING
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Engineer's Seal

DETAILS & NOTES

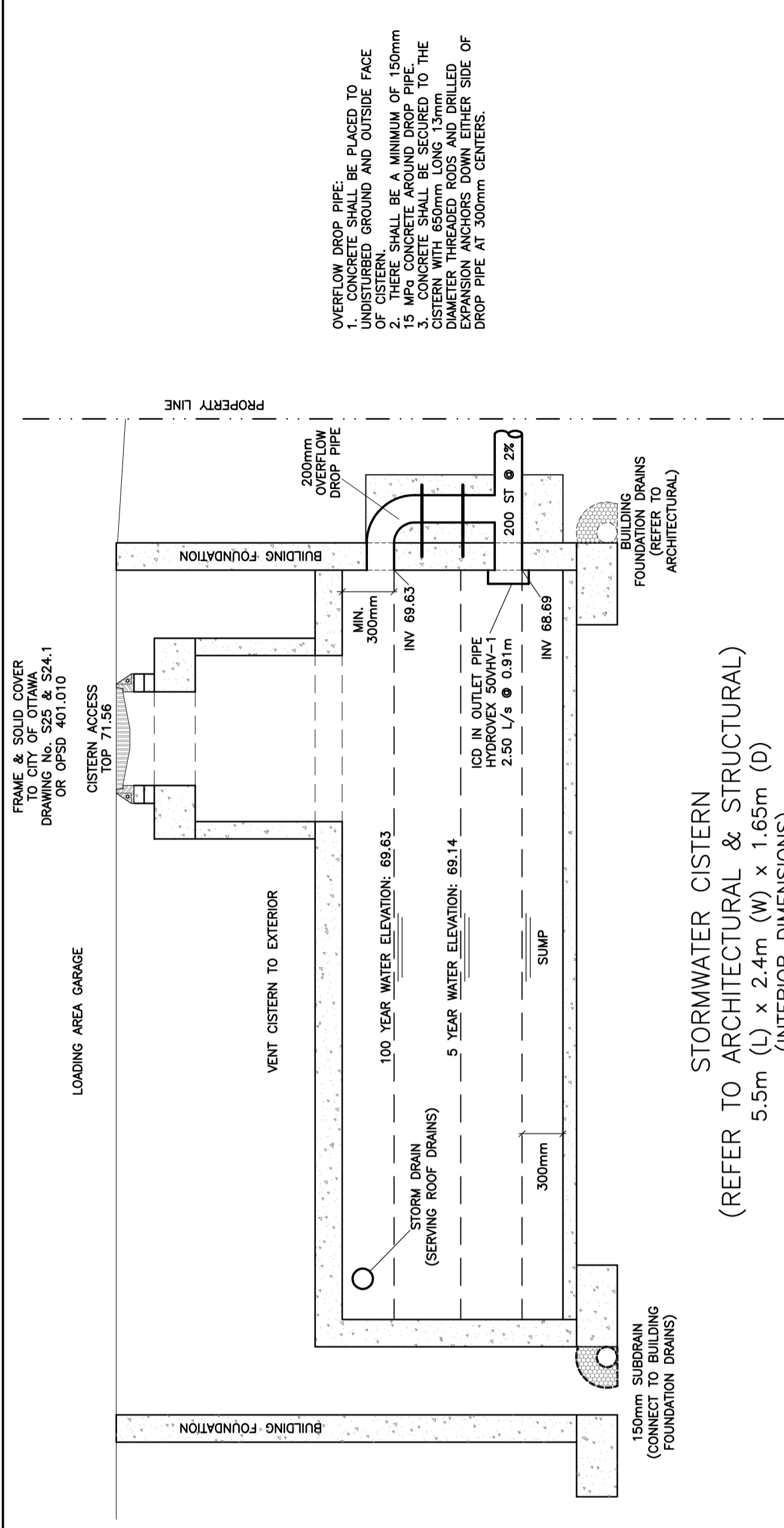


Drawn: D.E.G.
Horr. Scale: 1:100
Date: 14-JAN-21
Rev. No.: 201003

Drawing No. **C-3**
of **3**

#18429

NOT VALID UNLESS SIGNED & DATED



STORMWATER CISTERN
(REFER TO ARCHITECTURAL & STRUCTURAL)
5.5m (L) x 2.4m (W) x 1.65m (D)
N.T.S.