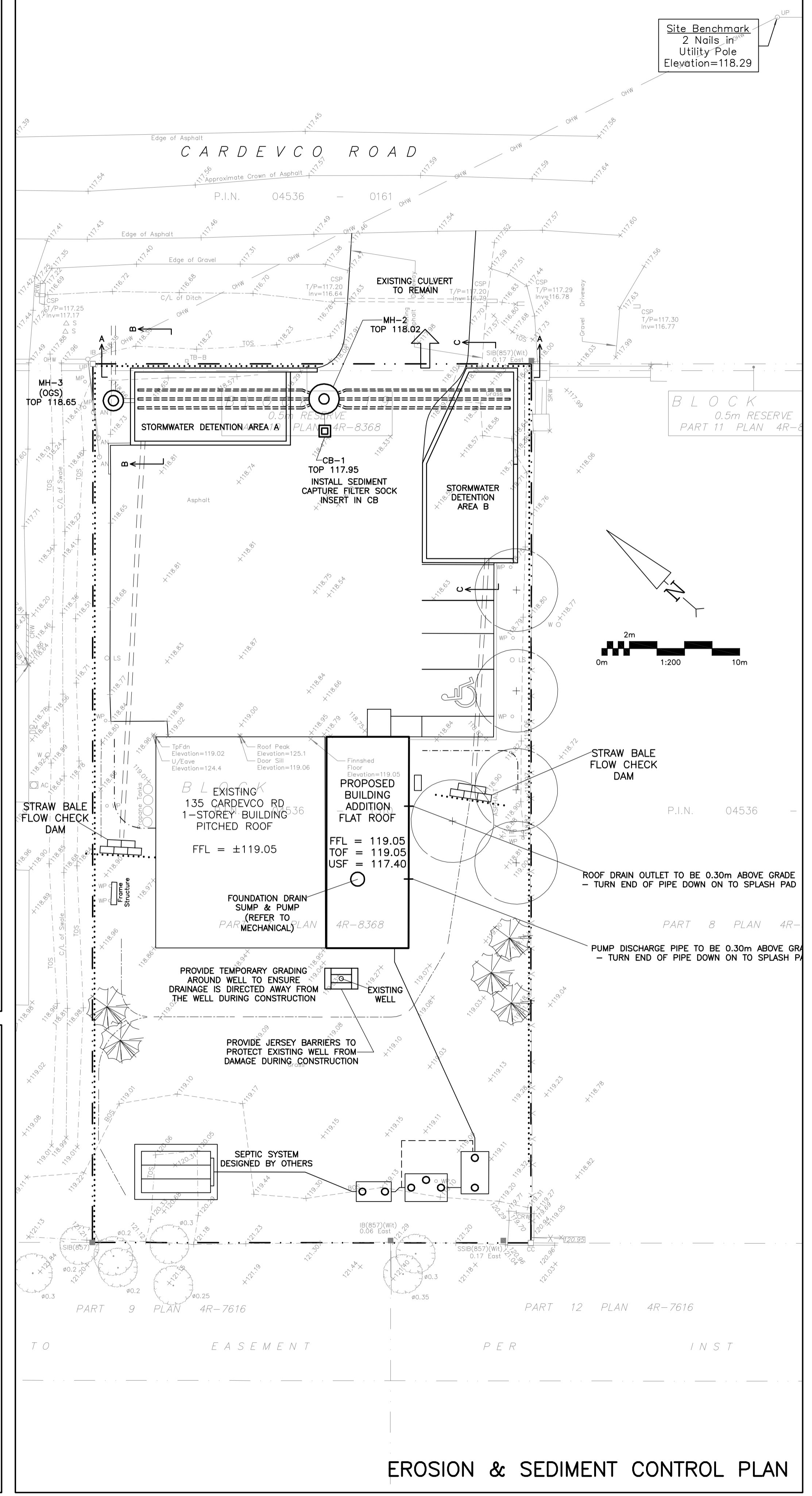
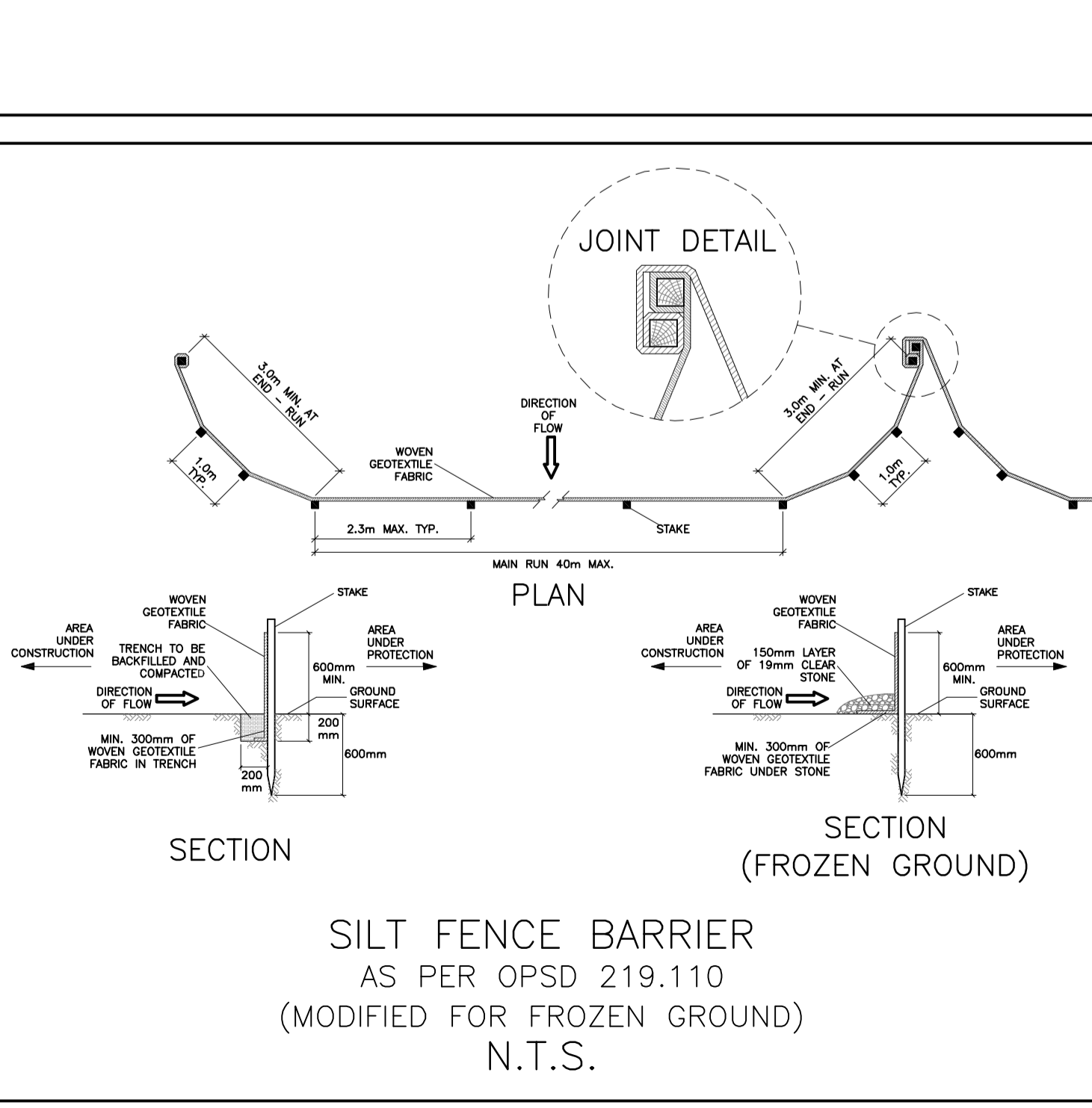
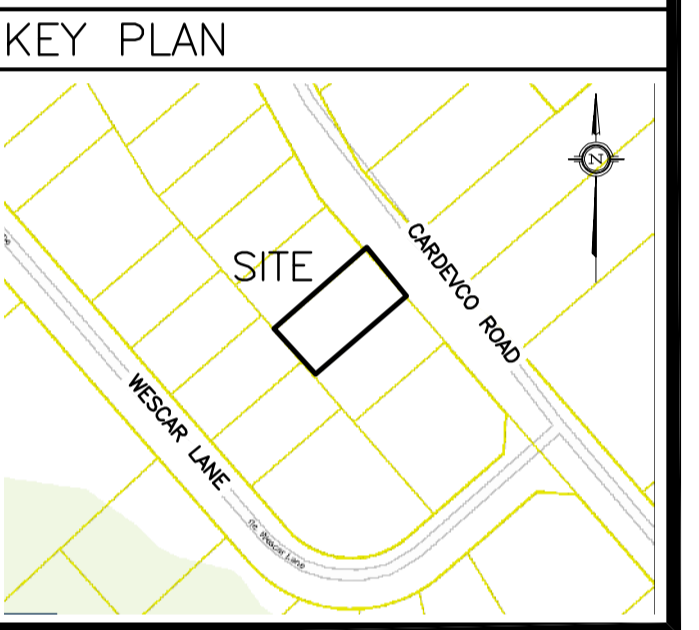


- GENERAL
  - USE BAR SCALE TO CONFIRM ACTUAL PLOT SCALE. EXISTING AND NEW ELEVATIONS AND INVERTS SHOWN ARE GEODETIC AND ARE IN METERS. ALL PIPE DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
  - UNLESS OTHERWISE STATED "ENGINEER" REFERS TO D. B. GRAY ENGINEERING INC.
  - EXISTING ELEVATIONS AND LOCATIONS, INVERTS AND SIZES OF EXISTING SERVICES & UTILITIES ARE NOT NECESSARILY SHOWN ON PLAN AND THOSE SHOWN ARE DERIVED FROM 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.
  - SITE BOUNDARIES AND EXISTING GRADES AND OTHER FEATURES DERIVED FROM TOPOGRAPHIC SURVEY PREPARED BY FARLEY, SMITH & DENIS SURVEYING LTD FILE NO. 169-21, AS PER THE TOPOGRAPHIC SURVEY UNDER BEARING NOTE, AND AS CONFIRMED BY THE SURVEYOR, THE HORIZONTAL DATUM IS: NAD-83 (ORDINAL) IN MTR GRID ZONE 8. AS PER ELEVATION NOTE 1 UNDER ELEVATION NOTES ON THE TOPOGRAPHIC SURVEY. ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO THE GEODETIC DATUM CVD-1928/1978 (THE SURVEYOR HAS CONFIRMED THAT THIS IS THE VERTICAL DATUM). AS PER ELEVATION NOTE 2 UNDER ELEVATION NOTES ON THE TOPOGRAPHIC SURVEY. ELEVATIONS ARE DERIVED FROM VERTICAL BENCHMARK 001970146 HAVING A PUBLISHED ELEVATION OF 114.689. THE SITE BENCHMARK IS LOCATED ON A UTILITY POLE ACROSS THE STREET, WITH TWO NAILS IN THE POLE AT AN ELEVATION OF 118.29 METERS. IT IS THE RESPONSIBILITY OF THE USER OF THE SURVEY PLAN AND THESE DRAWINGS TO VERIFY THAT THE SITE BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREE WITH THE INFORMATION SHOWN ON SURVEY PLAN AND THESE DRAWINGS.
  - REFER TO ARCHITECTURAL SITE PLANS FOR EXACT LOCATIONS OF BUILDINGS, PAVED AREAS, SIDEWALKS, PLANTERS ETC.
  - REFERENCE THE LATEST REVISION AND ALL ADDENDUMS OF THE GEOTECHNICAL INVESTIGATION BY PATERSON GROUP, REPORT NUMBER P66018-1. SITE PREPARATION INCLUDING PREPARATION AND FINISHING OF EXCAVATION AND CONSTRUCTION OF THE PAVEMENT STRUCTURE AND EXCAVATION AND BACKFILLING, INCLUDING COMPACTATION OF MATERIALS, SHALL CONFORM TO THE GEOTECHNICAL INVESTIGATION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
  - REFERENCE THE LATEST REVISION AND ALL ADDENDUMS OF THE HYDROGEOLOGY AND TERRAIN ANALYSIS BY PATERSON GROUP, REPORT NUMBER P4600-LET-01 DRAWINGS ARE TO BE READ IN CONJUNCTION WITH SERVICING BRIEF & STORMWATER MANAGEMENT REPORT NO. 21081 PREPARED BY D. B. GRAY ENGINEERING INC.
  - REINSTATE ADJACENT PROPERTIES TO PRE-CONSTRUCTION CONDITIONS.
  - REINSTATE CITY PROPERTIES TO CITY STANDARDS AND TO CITY OF OTTAWA'S SATISFACTION.
  - ALL RELEVANT WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT CITY STANDARDS AND SPECIFICATIONS.
  - ONTARIO PROVINCIAL STANDARDS & SPECIFICATIONS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
  - ALL APPROVED RETAINING WALLS SHALL BE SETBACK A MINIMUM 0.15 m (OR AS REQUIRED BY THE DESIGN OR SHORING DETAILS) FROM PROPERTY LINE INCLUDING THE WALL FOUNDATION AND FOOTINGS. ALL PROPOSED RETAINING WALLS GREATER THAN 1.0 m IN HEIGHT SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO. RETAINING WALLS OVER 0.6 m MAY REQUIRE A GUARD RAIL (SEE ARCHITECTURAL).
- EROSION AND SEDIMENT CONTROL PLAN
  - 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 PREVENT PROTECTION OF THE 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 TRAPS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT 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.
    - INSTALL A SILT FENCE AROUND STOCKPILED SEDIMENT OR SOIL, PRIOR TO COMMENCEMENT OF CONSTRUCTION INSTALL A SILT FENCE BARRIER AS SHOWN ON PLANS. RESPECT ALL SILT FENCES AT THE END OF EACH DAY AND AFTER EACH RAINFALL. REMOVE SEDIMENT DEPOSITS WHEN THE LEVEL OF DEPOSITS REACHES ONE THIRD THE HEIGHT OF THE FENCE. IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED SECTIONS OF FENCE. DO NOT REMOVE ANY SILT FENCES IN ANY PHASE UNTIL CONSTRUCTION IS COMPLETE.
    - INSTALL SEDIMENT CAPTURE FILTER SOCK INSERTS (TERRAFIX GEOSYNTHETIC SUTSACK OR APPROVED EQUAL) AT ALL NEW CATCH BASINS AS THEY ARE INSTALLED. INSPECT AT THE END OF EACH DAY AND AFTER EACH RAINFALL. REMOVE SEDIMENT DEPOSITS WHEN THE LEVEL OF DEPOSITS REACHES ONE THIRD THE HEIGHT OF THE FENCE. IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED FILTER SOCK INSERTS. DO NOT REMOVE UNTIL CONSTRUCTION IS COMPLETE.
    - INSTALL STRAW BALES IN A PUBLIC ROAD SHALL BE DRIVEN TOWARDS THE PREVIOUSLY Laid BALE TO FORCE THE BALES TOGETHER. DO NOT REMOVE OR REPLACE ANY DAMAGED BALES. STRAW BALES SHALL BE EMBEDDED INTO SOIL A MINIMUM 150 mm AND SHALL BE SECURELY ANCHORED BY TWO STAKES. THE FIRST STAKE IN EACH ROW SHALL BE DRIVEN TOWARDS THE PREVIOUSLY Laid BALE TO FORCE THE BALES TOGETHER. DO NOT REMOVE OR REPLACE ANY DAMAGED BALES. STRAW BALES 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.
    - CONSTRUCTION IS CONSIDERED COMPLETE WHEN THE FOLLOWING CONDITIONS HAVE BEEN MET:
      - ALL STRUCTURES HAVE BEEN BUILT.
      - ALL HARD SURFACES HAVE BEEN COMPLETED.
      - ALL PROPOSED GRASSED AREAS ARE EITHER SEEDDED OR HAVE A FULL COVERAGE OF WELL ESTABLISHED TURF AND HAVE HAD A MINIMUM OF ONE FULL GROWING SEASON (MAY 15TH TO SEPTEMBER 15TH).
      - THERE ARE NO AREAS OF EXPOSED EARTH.
      - ALL STOCKPILED MATERIALS HAVE BEEN REMOVED.
  - EROSION AND SEDIMENT CONTROL MEASURES WHEN CONSTRUCTION IS COMPLETE.
- GRADING & DRAINAGE
  - NEW GRADES TO MATCH EXISTING AT PROPERTY LINE. NO EXCESS DRAINAGE WILL BE DIRECTED TOWARDS THE ADJACENT PROPERTIES DURING AND AFTER CONSTRUCTION. THERE WILL BE NO ALTERATION TO EXISTING GRADE AND DRAINAGE PATTERNS ON PROPERTY LINE.
  - ALL AREAS SHALL BE GRADED TO ENSURE ADEQUATE DRAINAGE AWAY FROM BUILDINGS 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).
  - WHETHER RESULT OF POOR WORKMANSHIP OR DAMAGE; DEFECTIVE GRADING SHALL BE CORRECTED. PROMPTLY MAKE GOOD OTHER CONTRACTOR'S WORK DAMAGED BY SUCH CORRECTIONS.
  - CULVERTS SHALL BE PER CITY OF OTTAWA STANDARDS AND SPECIFICATIONS AND TO OPSS 1840 AND CSA B182.8 OR 182.6. MINIMUM 320 kPa STIFFNESS AT 5% DEFLECTION. JOINTS SHALL BE SOIL-TIGHT OR BETTER. BOSS 2000 OR APPROVED EQUAL.
  - GEOTEXTILE FABRIC TO OPSS 1860. WOVEN SYNTHETIC FIBRE FABRIC SHALL BE USED IN SILT FENCE BARRIER. NON-WOVEN SYNTHETIC FIBRE FABRIC 1.75mm THICK, 200g/m<sup>2</sup> SHALL BE USED FOR MATERIAL SEPARATION. GEOTEXTILE (FILTER) FABRIC SHALL BE FREE OF TEARS AND RESISTANT TO DEGRADATION BY ULTRA VIOLET AND HEAT EXPOSURE. PLACE GEOTEXTILE MATERIAL BY UNROLLING OVER GRASSED SURFACE. SMOOTH AND FREE OF TENSION STRESS, FOLDS, WRINKLES AND CREASES. PLACE GEOTEXTILE MATERIAL ON SLOPING SURFACES IN ONE CONTINUOUS LENGTH FROM TOE OF SLOPE TO UPPER EXTENT OF GEOTEXTILE. OVERLAP EACH SUCCESSIVE STRIP OF GEOTEXTILE 600mm OVER PREVIOUSLY Laid STRIP IN DIRECTION OF FLOW. ALTERNATIVELY THE FABRIC MAY BE LAPPED A MINIMUM OF 300mm AND FINED TOGETHER. PROTECT INSTALLED GEOTEXTILE MATERIAL FROM DISPLACEMENT, DAMAGE OR DEGRADATION BEFORE, DURING AND AFTER PLACEMENT OF MATERIAL. LAYERS AFTER INSTALLATION, COVER WITH OVERLYING LAYER WITHIN 4 HOURS OF PLACEMENT. DURING DELIVERY AND STORAGE, PROTECT GEOTEXTILES FROM DIRECT SUNLIGHT, ULTRAVIOLET RAYS, EXCESSIVE HEAT, MUD, DIRT, DUST, DEBRIS AND RODENTS. VEHICULAR TRAFFIC NOT PERMITTED DIRECTLY ON GEOTEXTILES. AVOID PUNCTURING GEOTEXTILE. REPLACE DAMAGED OR DETERIORATED GEOTEXTILE.
- SITE SERVICES
  - SEWER MATERIAL SHALL BE PVC SDR-26 FOR AND SHALL CONFORM TO CSA B182.2 AND SHALL HAVE BELL AND SPIGOT JOINTS WITH RUBBER GASKETS. PROVIDE A MINIMUM 1.8m COVER OVER SEWERS. WHERE THE MINIMUM COVER IS NOT POSSIBLE INSULATE AS INDICATED AND AS PER DETAIL. INSULATE FORCEMAIN AS INDICATED AND AS PER DETAIL.
  - 150 mm PERFORATED SUB-DRAINS SHALL BE HDPE, INTERIOR SMOOTH-WALLED WITH FILTER SOCK; BOSS 2000 OR EQUAL.
  - 100 mm PERFORATED SUB-DRAINS SHALL BE HDPE, SINGLE-WALLED WITH FILTER SOCK; BOSS 1000 OR EQUAL.
  - THE INLET CONTROL DEVICE SHALL BE PLUG STYLE WITH A ROUND ORIFICE (WITH THE ORIFICE LOCATED AT THE BOTTOM OF THE PLUG) MANUFACTURED BY PEDRO PLASTICS (OR APPROVED EQUAL) AND SIZED BY THE MANUFACTURER FOR A DISCHARGE RATE AS INDICATED ON PLAN. PRIOR TO INSTALLATION SUBMIT SHOP DRAWING TO ENGINEER FOR APPROVAL.
- CONSTRUCTION
  - PRIOR TO COMMENCING WORK:
    - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE AUTHORITIES.
    - SIZE, DEPTH AND LOCATION OF EXISTING SERVICES, UTILITIES AND STRUCTURES AS INDICATED ON THE DRAWINGS ARE FOR GUIDANCE ONLY. ALL EXISTING SERVICES, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND 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.
    - EXISTING GRADE ELEVATIONS INDICATED ON THE DRAWINGS ARE FOR GUIDANCE ONLY. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. CONFIRM EXISTING GRADE ELEVATIONS AND REPORT ANY DIFFERENCES TO THE ENGINEER.
    - COORDINATE AND SCHEDULE WORK WITH THE AUTHORITIES AND OTHER TRADES.
  - SCHEDULE WORK TO PROVIDE THE MINIMUM DISRUPTION TO SERVICES.
  - MAINTAIN AND PROTECT FROM DAMAGE, SERVICES, UTILITIES AND STRUCTURES ENCLOSED.
  - 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 OF TREES OR SHRUBS THAT ARE TO REMAIN.
  - PROVIDE TRAFFIC CONTROL AND SAFETY SERVICES INCLUDING ANY NECESSARY PERSONNEL AND THE SUPPLY, INSTALLATION, REMOVAL AND REPLACEMENT OF ALL NECESSARY SIGNAGE AND BARRIERS AS REQUIRED BY THE AUTHORITIES. IF APPLICABLE, PROVIDE TRAFFIC MANAGEMENT PLAN AS PER CITY OF OTTAWA REQUIREMENTS.
  - REMOVE OBSTRUCTIONS, ICE AND SNOW, FROM SURFACES TO BE EXCAVATED.
  - CUT PAVEMENT AND / OR SIDEWALK NEATLY ALONG LIMITS OF PROPOSED EXCAVATION IN ORDER THAT SURFACE MAY BREAK EVENLY AND CLEANLY.

- COORDINATE AND PAY FOR GEOTECHNICAL INSPECTIONS AND COMPACTION TESTS OF SUB-GRADE, PIPE BEDDING AND EACH LAYER OF SURROUND MATERIAL, BACKFILL, SUB-BASE, BASE AND ASPHALT TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT AND ENGINEER. SUBMIT GEOTECHNICAL INSPECTIONS AND COMPACTION TEST RESULTS TO THE GEOTECHNICAL CONSULTANT.
- CUT AND FILL AS NECESSARY TO ACHIEVE THE REQUIRED SUB-GRADE ELEVATION. DISPOSE OF SURPLUS AND UNSUITABLE EXCAVATED MATERIAL OFF SITE. FILL MATERIALS SHALL BE COMPACTED AND COMPACTION OF THE FILL MATERIAL IN MANNER TO PREVENT SEGREGATION AND PROTECT FROM CONTAMINATION. THE GEOTECHNICAL CONSULTANT, STOCKPILE GRANULAR AND FILL MATERIALS IN MANNER TO PREVENT SEGREGATION AND PROTECT FROM CONTAMINATION.
- EXCAVATION, ENGINEERED FILL, COMPACTION & BACKFILL SHALL BE AS PER THE GEOTECHNICAL INVESTIGATION.
  - SHORE AND BRACE EXCAVATIONS AND PERFORM ALL WORK IN ACCORDANCE WITH ONTARIO REGULATION 213/91 UNDER THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND OTHER AUTHORITIES HAVING JURISDICTION.
  - KEEP EXCAVATIONS FREE OF WATER WHILE WORK IS IN PROGRESS. PROTECT OPEN EXCAVATIONS AGAINST FLOODING AND DAMAGE DUE TO SURFACE RUN-OFF.
  - EXCAVATION MUST NOT INTERFERE WITH BEARING CAPACITY OF ADJACENT FOUNDATIONS.
  - DO NOT OBSTRUCT FLOW OF SURFACE DRAINAGE OR NATURAL WATERCOURSES.
  - EXCAVATION TO UNDESIRED ELEVATION SHALL BE REWORKED TO UNDESIRED ELEVATION.
  - EARTH BOTTOMS OF EXCAVATION TO BE UNDISTURBED SOIL, LEVEL, FREE FROM LOOSE, SOFT OR ORGANIC MATERIAL.
  - ALL STRUCTURES WITHIN PAVED AREAS SHALL HAVE 4:1 FROST TAPERS FROM FROST LINE TO SUB-GRADE.
  - CORRECT OVER-EXCAVATION WITH GRANULAR A INCLUDING TO NOT LESS THAN 95% OF CORRECTED MAXIMUM DRY DENSITY.
  - SUB-GRADE AND AREAS TO BE BACKFILLED TO BE FREE FROM DEBRIS, SNOW, ICE, WATER AND FROZEN GROUND.
  - DO NOT USE BACKFILL MATERIAL WHICH IS FROZEN OR CONTAINS ICE, SNOW OR DEBRIS.
  - PIPE BEDDING AND SURROUND MATERIAL SHALL BE OPSS GRANULAR A. RE-CYCLED GRANULAR MATERIALS ARE NOT PERMITTED.
  - DO NOT USE BEDDING, SURROUND OR BACKFILL MATERIAL WHICH IS FROZEN OR CONTAINS ICE, SNOW OR DEBRIS.
  - PIPE BEDDING SHALL BE 150mm THICK. SHAPE BED TRUE TO GRADE AND TO PROVIDE CONTINUOUS, UNIFORM BEARING SURFACE FOR PIPE.
  - PLACE SURROUND MATERIAL AROUND PIPES TO FULL WIDTH OF TRENCH AND TO 300mm ABOVE PIPES.
  - 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.
  - COMPACT EACH LAYER TO 95% OF CORRECTED DRY DENSITY BEFORE PLACING SUCCEEDING LAYER.
  - DO NOT BACKFILL AROUND OR OVER CAST-IN-PLACE CONCRETE WITHIN 24 HOURS AFTER PLACING OF CONCRETE.
  - BACKFILL MATERIALS WITHIN 1.8m OF PROPOSED GRADE SHALL MATCH THE MATERIALS EXPOSED ON THE TRENCH WALLS. BACKFILL BELOW 1.8m OF THE PROPOSED GRADE SHALL BE EITHER ACCEPTABLE NATIVE MATERIAL; ROCK OR IMPORTED GRANULAR MATERIAL CONFORMING TO OPSS GRANULAR B TYPE II OR TYPE III OR TOPSOIL. IF ENCOUNTERED, SHALL BE REMOVED FROM THE EXCAVATION. IF ROCK IS USED AS BACKFILL IT SHALL BE WELL SHATTERED AND 200mm OR SMALLER IN DIAMETER, TO PREVENT INGRESS OF FINE MATERIAL INTO VOIDS IN THE ROCK FILL. THE UPPER SURFACE OF THE ROCK FILL SHALL BE COVERED WITH 150mm LAYER OF COMPACTED, WELL GRADED CRUSHED STONE PLACED ON GEOTEXTILE BARRIER.
- PIPES:
  - HANDLE PIPE USING METHODS APPROVED BY MANUFACTURER.
  - LAY, CUT AND JOIN PIPES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  - USE ONLY FITTINGS AS RECOMMENDED BY PIPE MANUFACTURER.
  - LAY PIPES ON PREPARED BED, TRUE TO LINE AND GRADE AND ENSURE BARREL OF EACH PIPE IS IN CONTACT WITH SHAPED BED THROUGHOUT ITS FULL LENGTH, FREE OF SACS OR HOLES.
  - DO NOT EXCEED MAXIMUM JOINT DEFLECTION RECOMMENDED BY PIPE MANUFACTURER.
  - WHENEVER WORK IS SUSPENDED, INSTALL REMOVABLE WATER TIGHT BULKHEAD AT OPEN END OF LAST PIPE Laid TO PREVENT ENTRY OF FOREIGN MATERIAL INTO EXCAVATION.
  - WHEN STOPPAGE OF WORK OCCURS, BLOCK PIPES TO PREVENT CREEP DURING DOWN TIME. MAKE WATER TIGHT CONNECTIONS TO MANHOLES.
  - JOINTS SHALL BE STRUCTURALLY SOUND AND WATER TIGHT.
  - REPAIR OR REPLACE PIPE, PIPE JOINT OR BEDDING FOUND DEFECTIVE.
- SEWERS AND SEWER TRENCHES AS PER CITY DWG 56 & 57.
  - CONSTRUCT SEWER TRENCHES AS PER CITY DWG 56 & 57.
  - RIGID STRUCTURES, INSTALL PIPE JOINTS NOT MORE THAN 1.2m FROM SIDE OF STRUCTURE.
  - MAINTAIN EXISTING SEWAGE FLOWS DURING CONSTRUCTION.
- 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. MARK CHANGES IN RED INK. RECORD DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO CHANGES OF DIMENSION AND DETAIL; CHANGES TO GRADE ELEVATIONS; AND HORIZONTAL AND VERTICAL LOCATIONS OF UNDERGROUND SERVICES, UTILITIES AND APPURTENANCES REFERENCED TO A PERMANENT POINT OF REFERENCE. SUBMIT DRAWINGS TO ENGINEER AT THE END OF CONSTRUCTION. SUBMIT A RECORD DRAWING OF "AS-BUILT" GRADE ELEVATIONS, PREPARED BY A SURVEYOR, TO THE ENGINEER AT THE END OF CONSTRUCTION.
- CONSTRUCT 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.
- 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. REFERENCED TO A PERMANENT POINT OF REFERENCE. SUBMIT DRAWINGS TO ENGINEER AT THE END OF CONSTRUCTION. SUBMIT A RECORD DRAWING OF "AS-BUILT" GRADE ELEVATIONS, PREPARED BY A SURVEYOR, TO THE ENGINEER AT THE END OF CONSTRUCTION.
- REINSTATE ALL AREAS DISTURBED BY CONSTRUCTION. REINSTATE PAVEMENTS, CURBS AND SIDEWALKS TO THE EXISTING STRUCTURE AND ELEVATION WHICH EXISTED BEFORE CONSTRUCTION. REINSTATE LANDSCAPED AREAS TO THE CONDITION AND ELEVATION WHICH EXISTED BEFORE CONSTRUCTION.
- REINSTATE AND REINSTATE AREAS AFFECTED BY THE WORK.



LEGEND	
FFL	FINISHED FLOOR ELEVATION
TOF	TOP OF FOUNDATION
USF	UNDERSIDE OF FOOTING
---	PROPERTY LINE
CB	CATCH-BASIN
MH	STORM MANHOLE
ST	STORM SEWER
INV	INVERT OF PIPE
+99.99	EXISTING GRADE ELEVATION
+99.99	PROPOSED GRADE ELEVATION
2%	EXISTING SLOPE OF GRADE
2%	PROPOSED SLOPE OF GRADE
[Symbol]	EMERGENCY OVERLAND FLOW
T.O.S.	TOP OF SLOPE
B.O.S.	BOTTOM OF SLOPE
---	CENTERLINE OF SWALE
[Symbol]	SILT FENCE BARRIER
[Symbol]	ROOF DRAIN
[Symbol]	LIGHT-DUTY PAVEMENT
[Symbol]	HEAVY-DUTY PAVEMENT
[Symbol]	LANDSCAPE



No.	DATE	REVISION
6	FEB 10-25	RE-ISSUED FOR APPROVAL
5	OCT 11-24	RE-ISSUED FOR APPROVAL
4	JUN 9-23	RE-ISSUED FOR APPROVAL
3	NOV 24-22	ISSUED FOR APPROVAL
2	NOV 15-22	ISSUED FOR COORDINATION
1	SEP 12-22	PRELIMINARY

**D. B. GRAY ENGINEERING INC.**  
 Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watertanks  
 700 Long Point Circle  
 Ottawa, Ontario  
 613-425-8044  
 d.gray@dbgrayengineering.com

Project  
**PROPOSED ADDITION**  
**135 CARDEVCO ROAD**  
 OTTAWA, ONTARIO

Drawing Title  
**EROSION & SEDIMENT CONTROL PLAN & NOTES**

Engineer's Seal  
  
 NOT VALID UNLESS SIGNED & DATED

Drawn D.B.G.  
 H. Scale 1:200  
 V. Scale  
 Date SEP 12-22  
 Job No. 21081

Drawing No.  
**C-2**  
 of 4