

CITY OF
VILLE D' OTTAWA



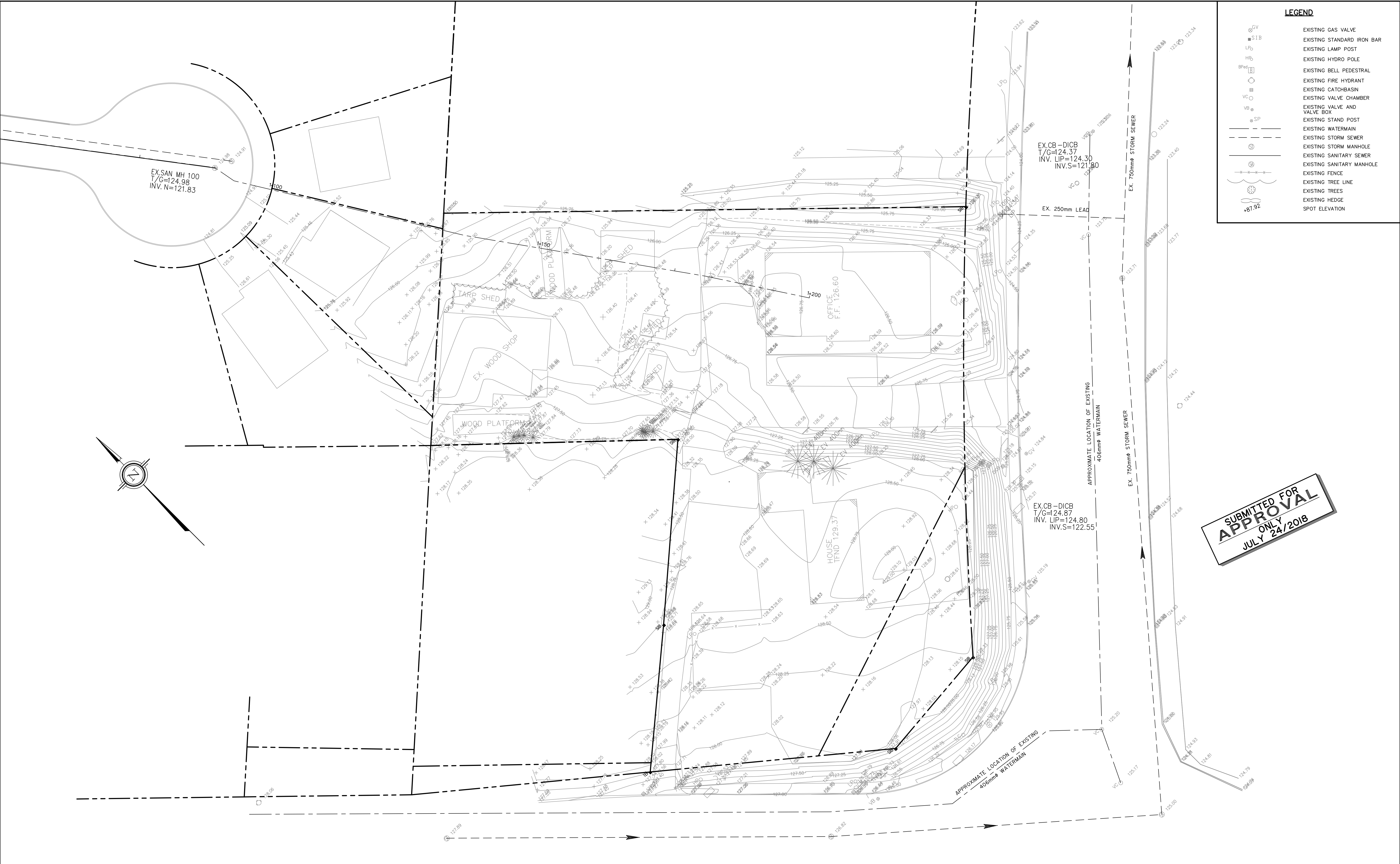
SITE PLAN
CARP/HAZELDEAN ROAD

CONTRACT NO. 160807



INDEX

160807-EXI	EXISTING CONDITIONS
160807-RI	REMOVAL PLAN
160807-ESCI	EROSION AND SEDIMENT CONTROL PLAN
160807-SI	GENERAL PLAN OF SERVICES
160807-PI	SANITARY BORING TO LLOYDALEX
160807-GRI	GRADING PLAN
160807-SANI	SANITARY DRAINAGE PLAN
160807-STMI	STORM DRAINAGE PLAN



SUBMITTED FOR
APPROVAL
ONLY
JULY 24/2018

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

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1	SITEPLAN UPDATE		JULY 24/18	JMD

SCALE

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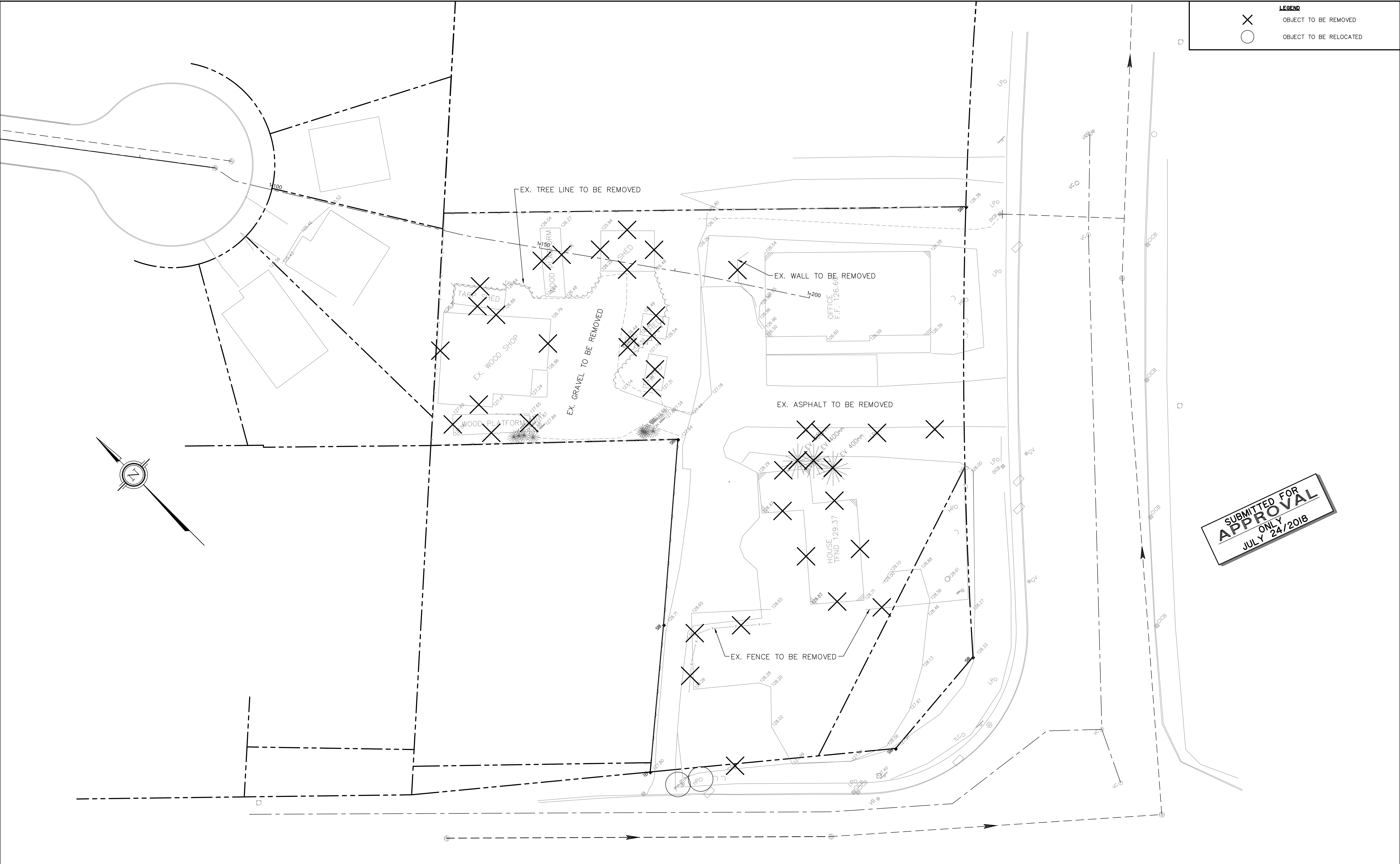
CITY OF OTTAWA

CARP/HAZELDEAN SITEPLAN

PLAN

EXISTING CONDITIONS

PROJECT No.	I60807
DATE	OCTOBER, 2017
DRAWING No.	I60807-EX1



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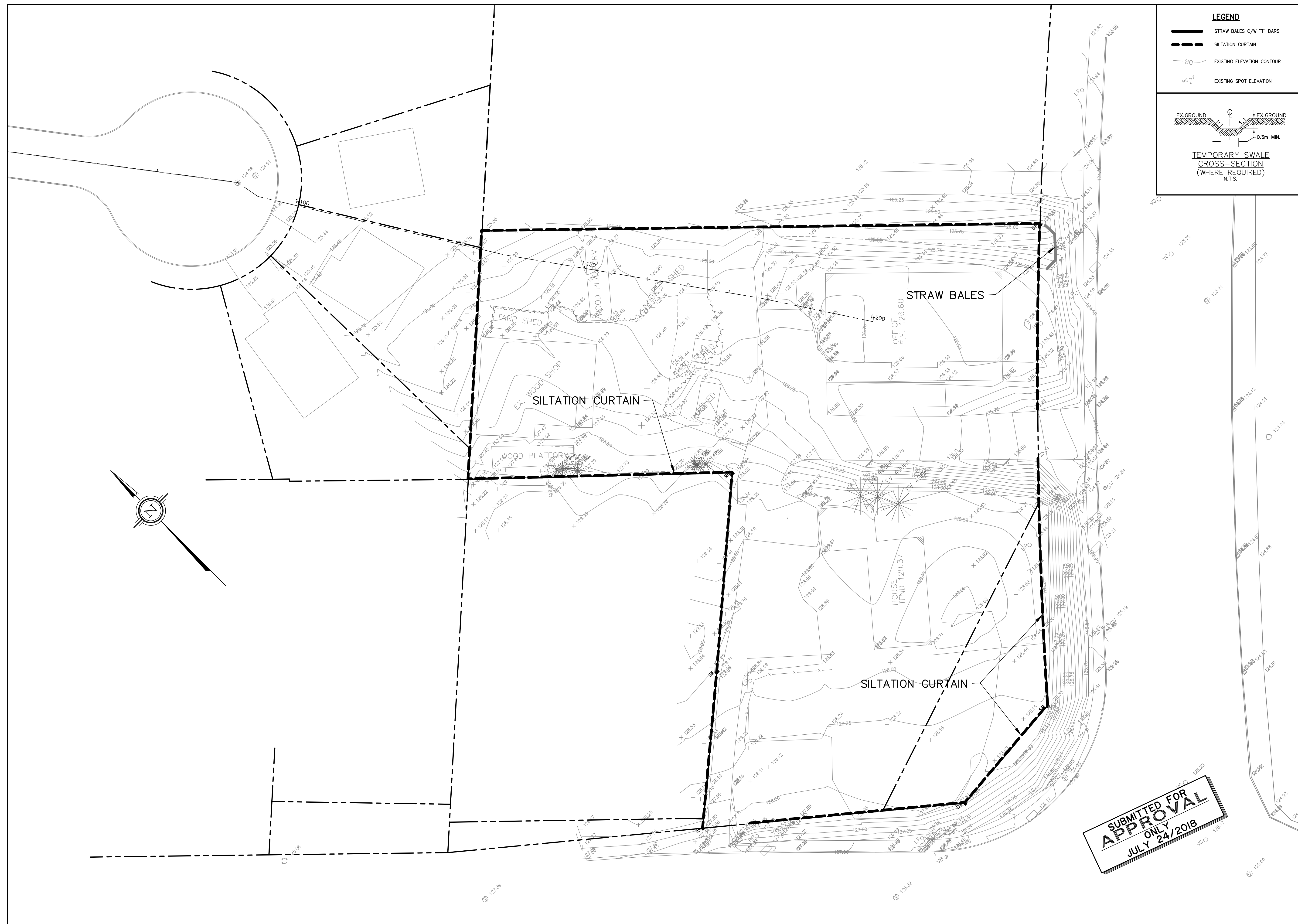
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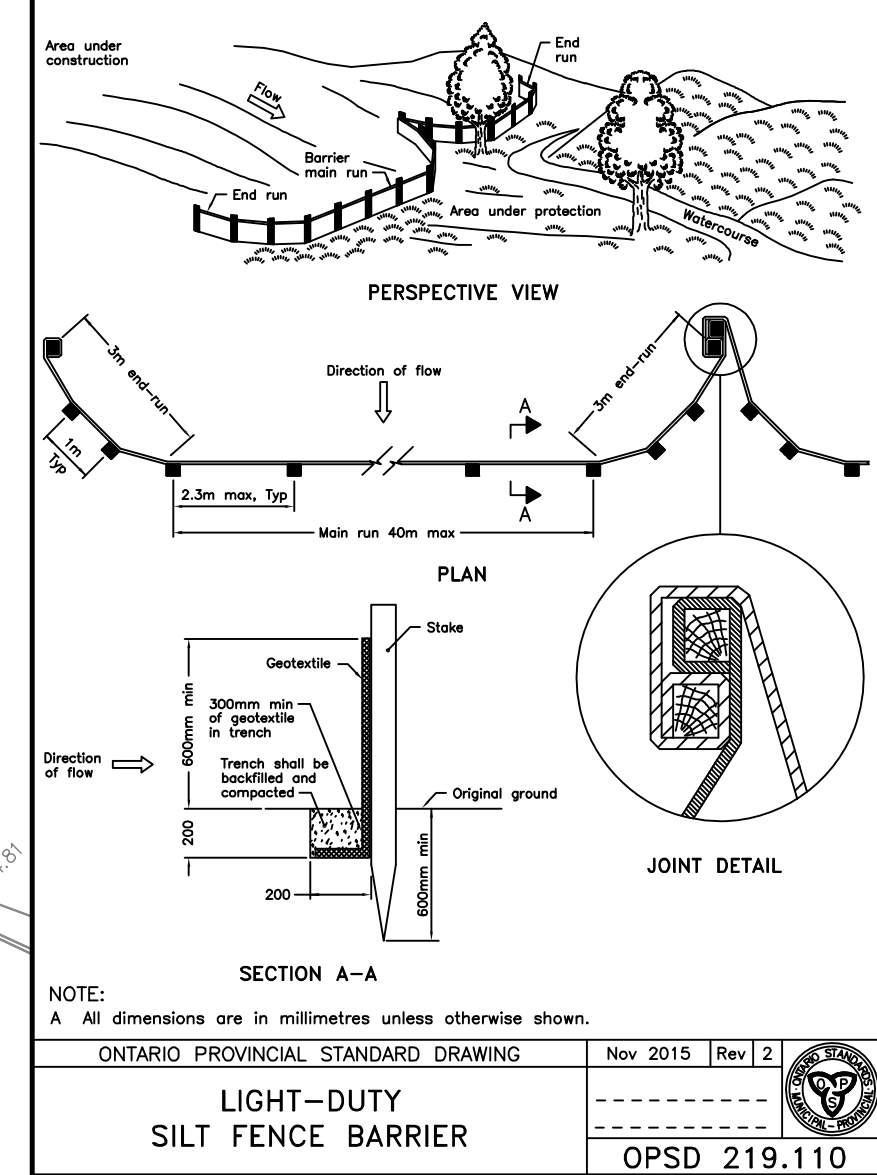
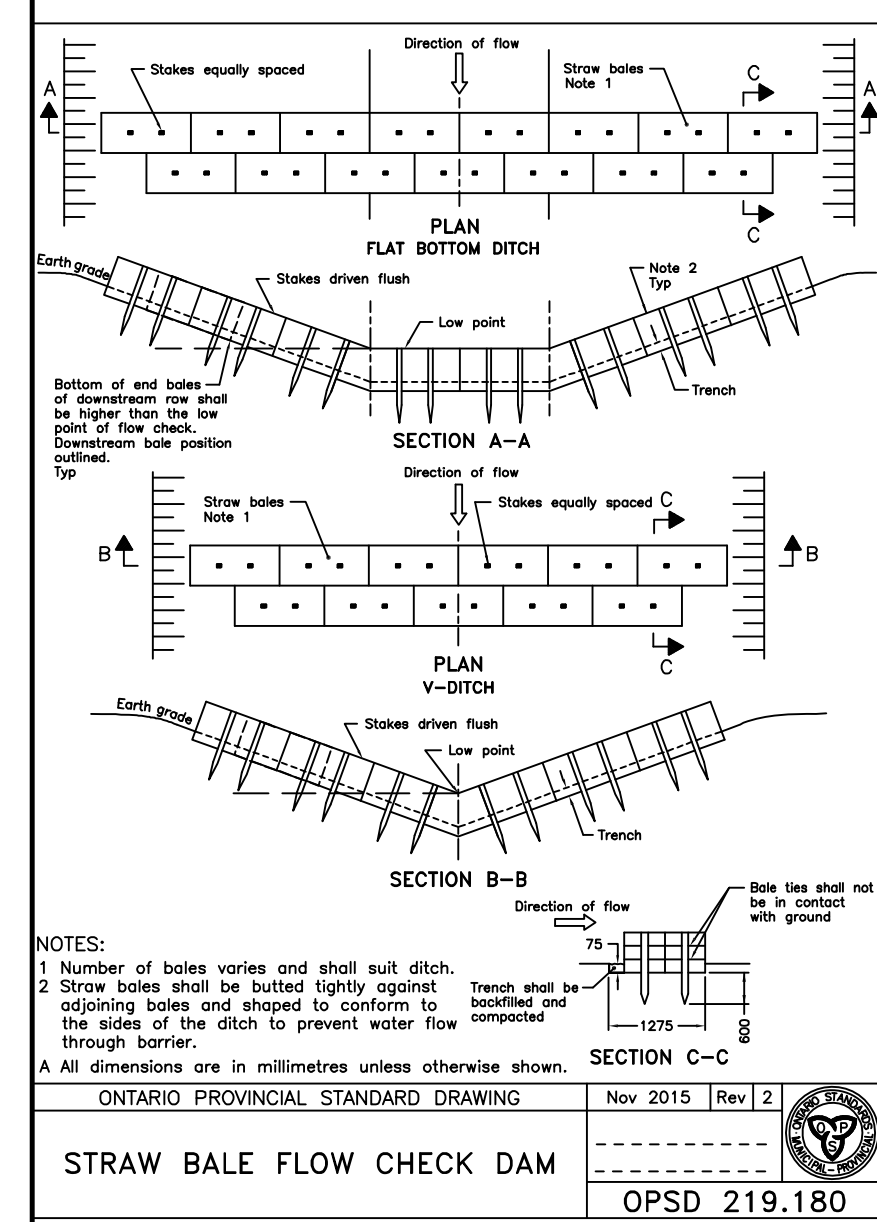
PLAN

REMOVAL PLAN

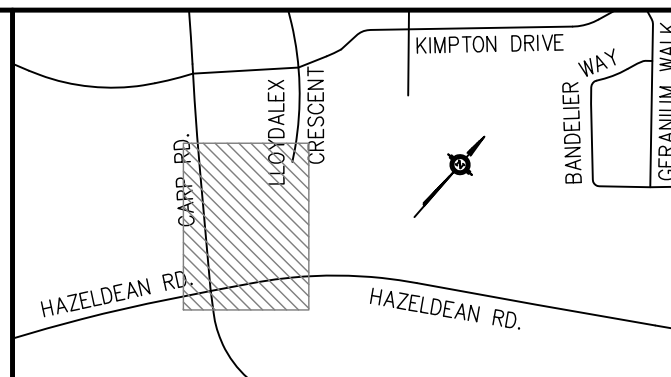
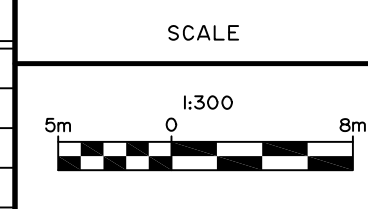
PROJECT No.	I60807
DATE	OCTOBER, 2017
DRAWING No.	I60807-RI



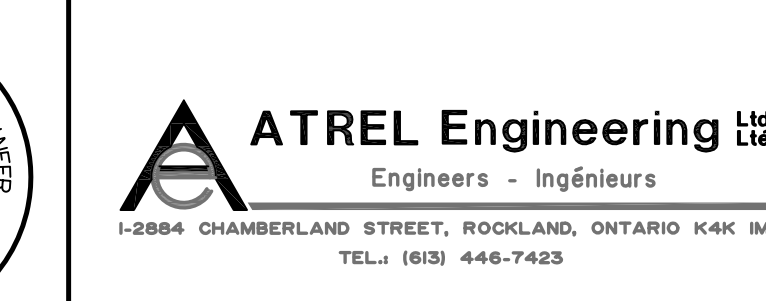
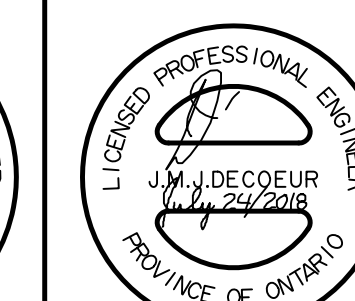
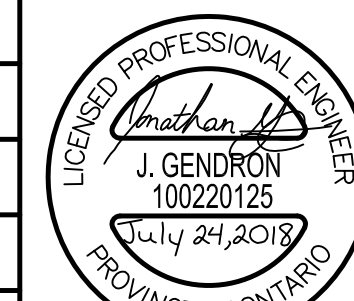
- # NOTES
- 1) ADDITIONAL, TO THIS PLAN, THE CONTRACTOR SHALL IMPLEMENT THE "BEST MANAGEMENT PRACTICE" ALL ALONG CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL, INSPECT, REPAIR AND REMOVE THE SEDIMENT AND EROSION CONTROL METHODS
 - 2) A SUMP OF 600mm IN DEPTH WILL BE PROVIDED IN ALL CATCHBASINS IN ORDER TO MINIMIZE THE AMOUNT OF SUSPENDED SOLIDS FROM ENTERING THE SEWER SYSTEM.
 - 3) DURING CONSTRUCTION, FLITER CLOTH WILL BE PLACED UNDER ALL CATCHBASINS AND MANHOLE FRAMES. COVERS AND STRAIN BALES WILL BE PLACED WHERE WATER RUNOFF CAN CAUSE EXCESSIVE SEDIMENTS INTO THE SEWER SYSTEM.
 - 4) STRAIN BALES SHALL BE INSTALLED ALONG THE VARIOUS SWALES (MAN MADE OR EXISTING) WHERE JERGED NECESSARY BY THE ENGINEER AND/OR THE CITY OF OTTAWA'S AUTHORITY.
 - 5) STRAIN BALES SHOULD BE INSTALLED AS PER OPSD 219.100 AND OPSD 219.180 AS APPROPRIATE.
 - 6) STRAIN BALES SHALL BE INSTALLED AT EVERY MAJOR POINT OF WATER ENTRY INCLUDING DITCH INLET CATCHBASINS AND CULVERTS.
 - 7) ALL SEDIMENT CONTROL LOCATIONS MUST BE INSPECTED ON A REGULAR BASIS ESPECIALLY FOLLOWING A RAINFALL EVENT. SEDIMENTS SHALL BE REMOVED AND CONTROLS REINSTALLED AS NECESSARY.
 - 8) SHOULD IT BE IMPOSSIBLE TO PREVENT OVERHEAD SHEET FLOW TO AN EXTERNAL AREA DURING THE CONSTRUCTION, SUCH AREA SHALL BE PROTECTED WITH A SILT FENCE AS PER OPSD 219.110 AND OVERLIER CLOTH IN CASE OF A RAINFALL EVENT.
 - 9) FLITER CLOTH IN C/Ss SHOULD BE INSTALLED WITH GENEROUS EXCESS OF MATERIAL AND PERIMETER TO FACILITATE REMOVAL, FOR C/Ss POTENTIALLY SUBJECTED TO HEAVY SEDIMENT LOADING, A OVERLIER PER-FLITER CLOTH SHOULD BE PROVIDED AROUND PERIMETER OF C/S OR AT INTERVALS ALONG THE CURB.
 - 10) ANY MATERIAL STOCKPILES SHOULD BE LOCATED ON FLAT AREAS WELL AWAY FROM ANY DRAINAGE INLETS.
 - 11) NO SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED UNLESS FOUND UNNECESSARY OR ANOTHER SEDIMENT CONTROL POINT IS INSTALLED ELSEWHERE TO REPLACE THE LATTER.
 - 12) THE SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE SUPERVISOR OR CONSERVATION AUTHORITY.



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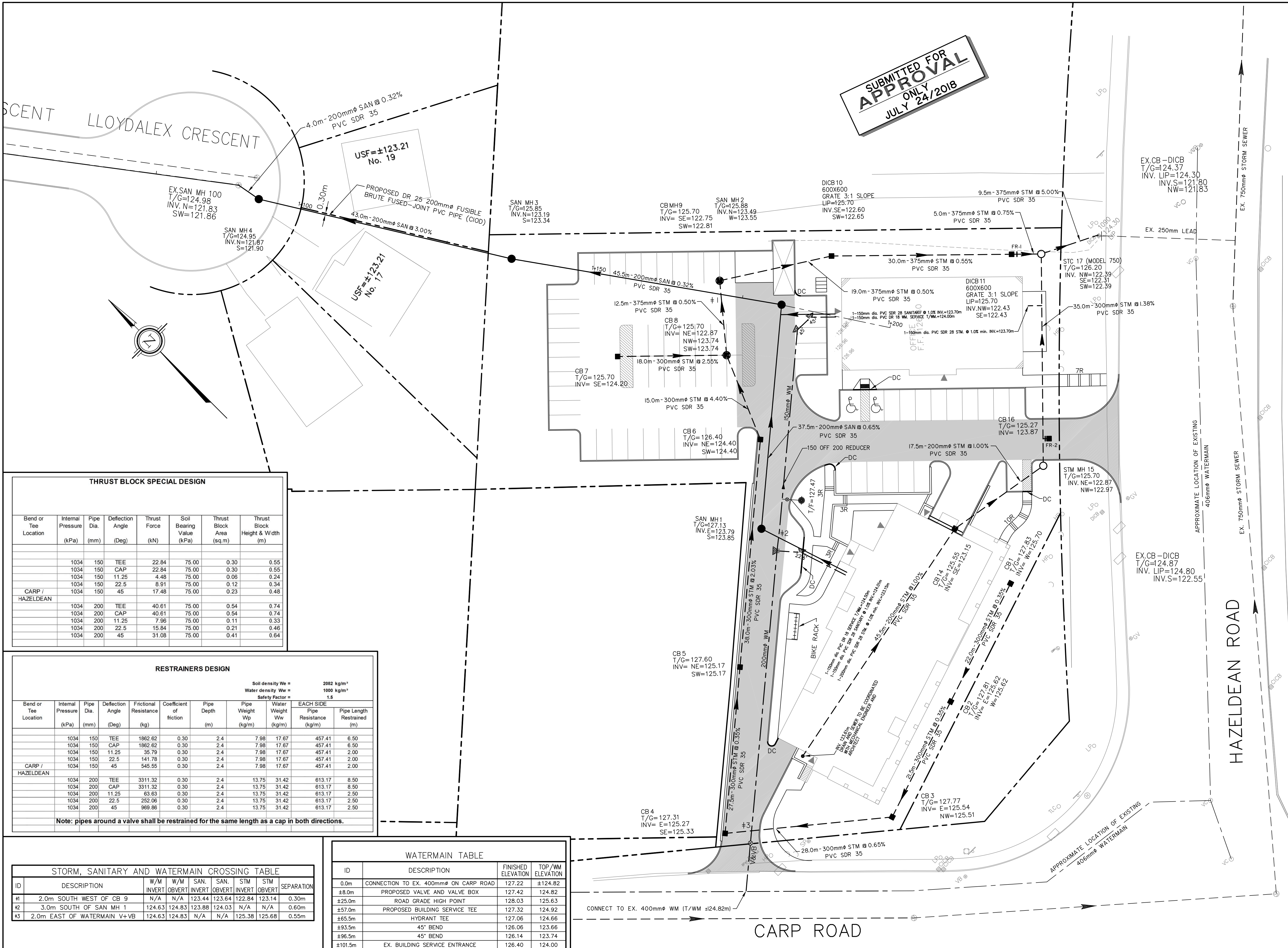
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CITY OF OTTAWA
CARP/HAZELDEAN
SITEPLAN



PROJECT No.	160807
DATE	OCTOBER, 2017
DRAWING No.	160807-ESCI



NOTES:

- CONSTRUCT ALL WATERMAIN TO CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS (OSDD) AND SPECIFICATIONS, BEDDING SHALL BE AS PER OPSD 1102.01 AND OPSD 1102.02.
- PROVIDE INSULATION AT CATCHBASINS IN ACCORDANCE WITH CITY OF OTTAWA'S STANDARD DETAIL DRAWING W23.
- INSTALL ALL SERVICES IN ACCORDANCE WITH CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS R21, W26, W36, W38 AND S11.1.
- PROVIDE CATHODIC PROTECTION ON WATERMAIN AS PER CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS AND SPECIFICATIONS.
- RESTRAIN ALL BENDS, TEES, AND CAPS TO CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS AND SPECIFICATIONS.
- ALL PROPOSED WATER SERVICES AND MAINS MUST HAVE MINIMUM COVER OF 2.4m OTHERWISE PROVIDE THERMAL INSULATION AS PER OSDD W22.
- ALL SIDEWALKS SHALL BE HANDICAP ACCESSIBLE AND AS PER CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS SCA, SC6 AND SC7.2.
- ALL CONNECTION TO EXISTING WATERMAIN SHALL BE PERFORMED BY THE CITY OF OTTAWA. THE EXCAVATION, BACKFILL AND RESTATEMENT SHALL BE PERFORMED BY THE CONTRACTOR. ELEVATION OF EXISTING WATERMAIN ON CARP ROAD TO BE CONFIRMED PRIOR TO CONSTRUCTION.
- ALL STORM SEWERS WITH 900mm IN DIAMETER AND GREATER MUST BE BENCHMARKED. ALL SANITARY MANHOLES MUST BE BENCHMARKED. SEWER SHALL HAVE CLASS "B" BEDDING.
- THE CITY OF OTTAWA WILL NOT PERMIT ANY ENCROACHMENTS ONTO ANY REAR YARD GATTOY BASIN LEAD DRAINAGE EASEMENTS.
- ALL STORM AND SANITARY SERVICES ARE TO BE EQUIPPED WITH A BACKWATER VALVE. AS PER CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS W18 AND W19.
- ALL HYDRANTS ARE TO BE LOCATED AND INSTALLED AS PER CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS W18 AND W19.
- CONTRACTOR IS TO REPAIR BENCHMARKING TO ALL EXISTING SAN MH PRIOR TO CONNECTIONS.
- CURBS SHALL BE DEPRESSED AT EVERY ENTRANCE CROSSING AS PER CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS SC1.1 AND SC7.1.
- PERFORATED PIPE FOR REAR YARD SHALL BE INSTALLED AS PER CITY OF OTTAWA'S STANDARD DETAIL DRAWING S29.
- ALL MANHOLE COVERS SHALL BE INSTALLED AS PER THE CORRESPONDING CITY OF OTTAWA'S STANDARD DETAIL DRAWINGS.
- STORM AND SANITARY SERVICE CONNECTIONS MUST BE ABOVE THE SPRING LINE OF THE SEWER MAIN PIPE AS PER CITY OF OTTAWA'S STANDARD DETAIL DRAWING S11.

LEGEND

- EXISTING FIRE HYDRANT
- EXISTING VALVE AND VALVE CHAMBER
- EXISTING VALVE AND VALVE BOX
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING CATCHBASIN
- EXISTING LIGHT POLE
- EXISTING HYDRO POST
- EXISTING SIGN
- EX. PADMOUNT HYDRO TRANSFORMER
- EXISTING BELL PEDESTAL
- EXISTING CABLE PEDESTAL
- EXISTING STANDARD IRON BAR
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED WATERMAIN
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED BEND C/W THRUSTBLOCK (SPECIAL DESIGN)
- PROPOSED CAP C/W THRUSTBLOCK (SPECIAL DESIGN)
- PROPOSED VALVE AND VALVE BOX
- PROPOSED FIRE HYDRANT
- PROPOSED WATERMAIN REDUCER
- PROPOSED DITCH INLET CATCHBASIN AS PER OPSD 705.030 C/W 3H:1V SLOPED GRATE
- PROPOSED CATCHBASIN
- PROPOSED TOP OF FLANGE ELEVATION
- INLET CONTROL DEVICE
- CURB RADIUS
- DC
- 4R
- SIAMOSE CONNECTION
- WATER METER
- REMOTE METER

PAVEMENT STRUCTURE (TO BE CONFIRMED BY GEOTECHNICAL ENGINEER):

- HEAVY TRAFFIC AREAS:
 - 40mm HL3
 - 40mm HL8
 - 150mm GRANULAR 'A' CRUSHED LESTONE
 - 350mm GRANULAR 'B' CRUSHED LESTONE
- LIGHT TRAFFIC AREAS:
 - 50mm HL3
 - 150mm GRANULAR 'A' CRUSHED LESTONE
 - 300mm GRANULAR 'B' CRUSHED LESTONE

TBM ASSUMED ELEVATION - TOP OF NAIL, 1.300m ABOVE GROUND LEVEL, ON SOUTH SIDE OF HYDRO POLE, IN NORTH-WEST CORNER OF LOT, 128.245

REFER TO LATEST OPSS, OPSD

PIPE BEDDING, COVER AND BACKFILL
- O.P.S.D. 800 SECTION

CATCHBASINS AND MANHOLES
- O.P.S.D. 700 SECTION

SITE SERVING
- O.P.S.D. 400.020 - O.P.S.D. 1103.010
- O.P.S.D. 401.020 - O.P.S.D. 1103.020
- O.P.S.D. 705.010 - O.P.S.D. 1104.020
- O.P.S.D. 708.020 - O.P.S.D. 1108.011
- O.P.S.D. 804.050 - O.P.S.D. 1108.025
- O.P.S.D. 1006.010

CITY OF OTTAWA

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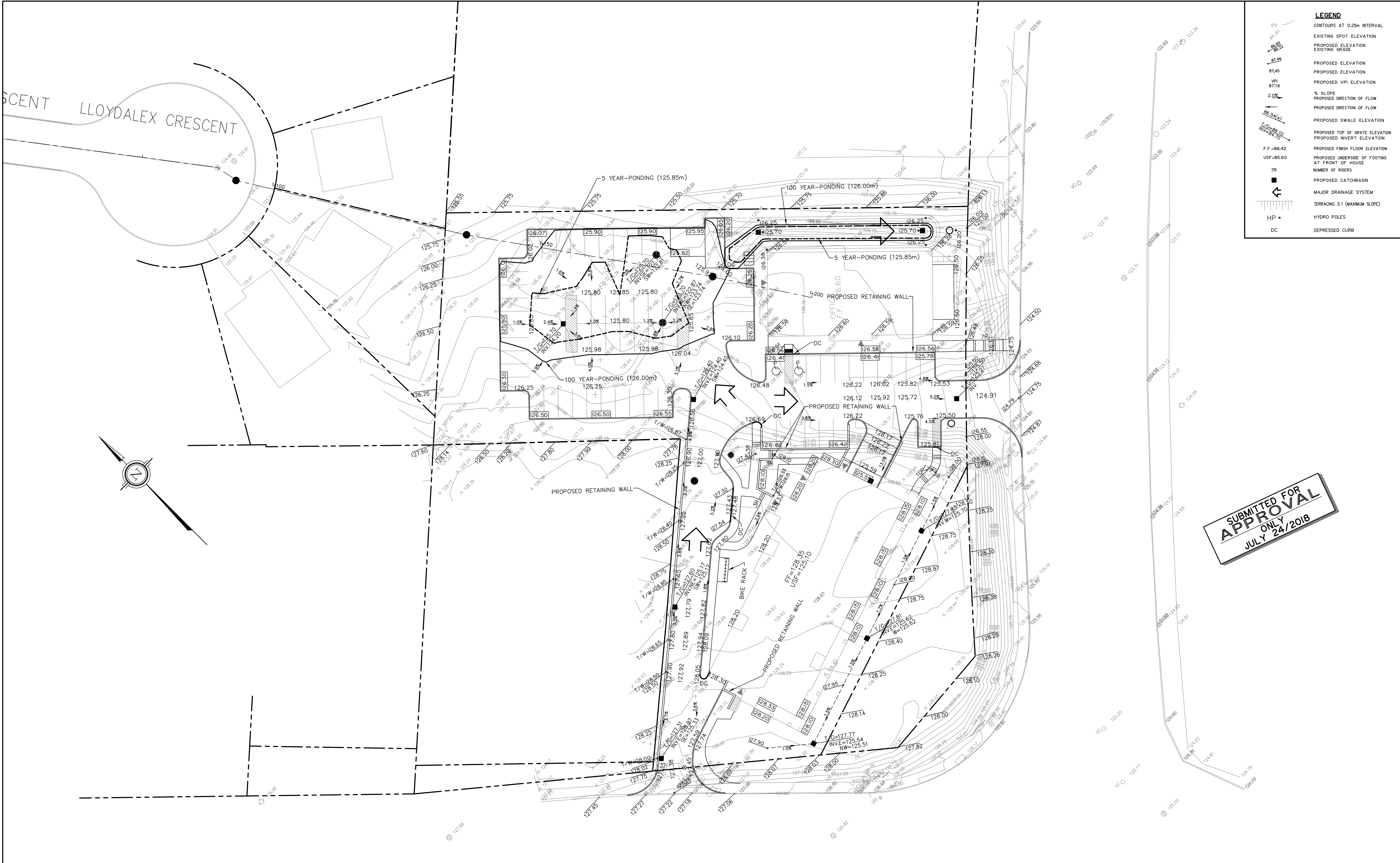
PLAN

GENERAL PLAN OF SERVICES

PROJECT No. 160807

DATE OCTOBER, 2017

DRAWING No. 160807-SI



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LICENCED PROFESSIONAL ENGINEER

J. GENDRON

100220125

July 24, 2018

PROVINCE OF ONTARIO

LICENCED PROFESSIONAL ENGINEER

J. J. DECOEUR

100220125

July 24, 2018

PROVINCE OF ONTARIO

ATREL Engineering Inc.

Engineers - Ingénieurs

1-2884 CHAMBERLAND STREET, ROCKLAND, ONTARIO K4K 1M6

TEL.: (613) 446-7423

CITY OF OTTAWA

CARP/HAZELDEAN SITEPLAN

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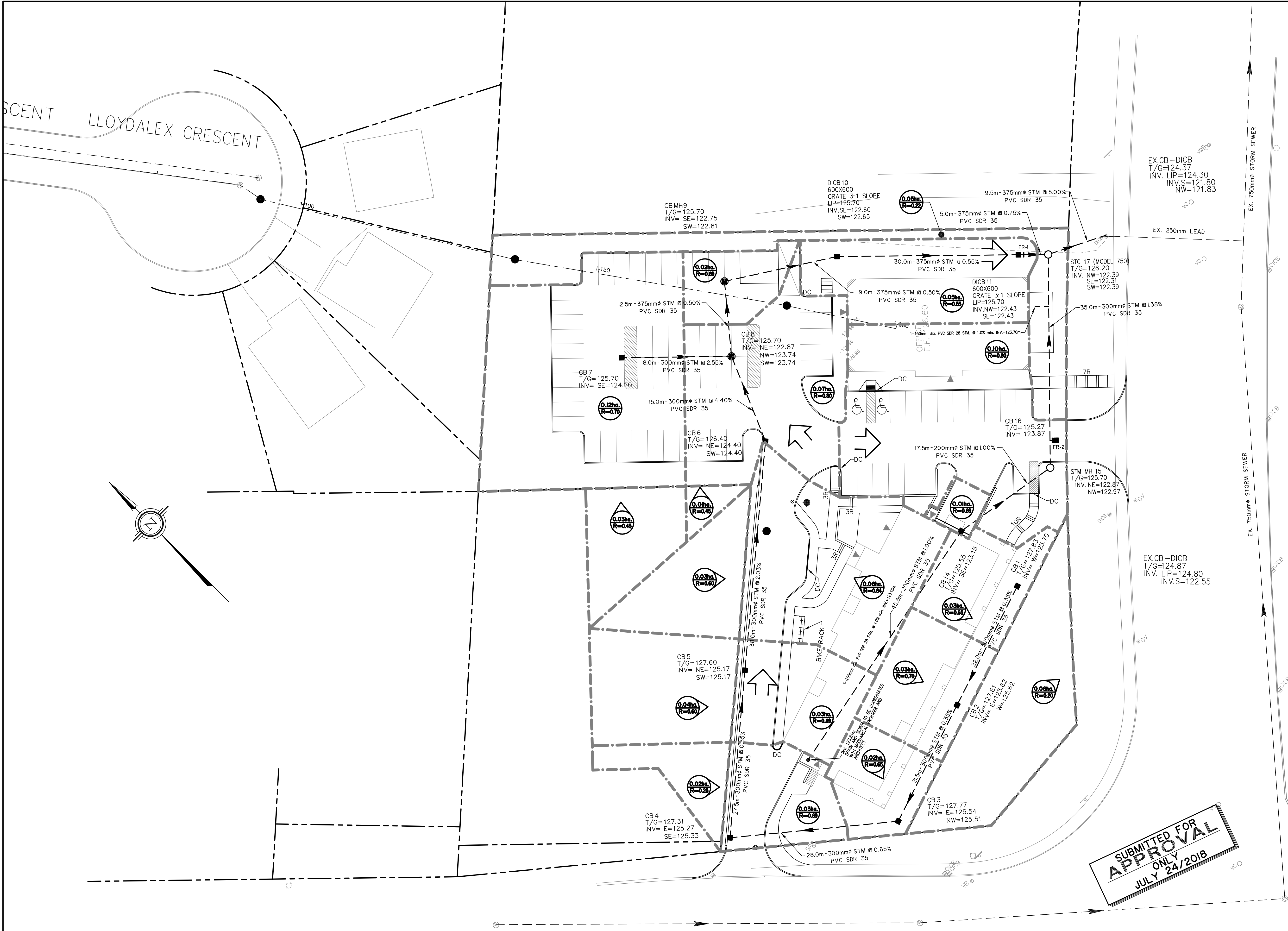
GRADING PLAN

SAINT JOSEPH DEVELOPMENTS

PROJECT No. 160807

DATE OCTOBER, 2017

DRAWING No. 160807-GRI



LEGEND

- FUTURE STORM DRAINAGE AREA
- RUNOFF COEFFICIENT
- PROPOSED STORM SEWER
- DRAINAGE AREA BOUNDARY
- MAJOR DRAINAGE SYSTEM
- EXISTING STORM SEWER

DIAMOND ORIFICE FLOW RESTRICTOR OPENING (WALL MOUNT)

(FLOW RESTRICTOR SHALL BE IPEX TEMPEST MHF OR APPROVED EQUIVALENT AND SHALL BE SLIDE IN TYPE)

FR-1 - 108mm X 108mm (D1CB 11)
FR-2 - 71mm X 71mm (CB 16)

STORM MANHOLE TABLE				
		OTTAWA STD DWG/OPSD		
STRUCTURE NUMBER	DIMENSIONS	STRUCTURE	FRAME	COVER
ALL MANHOLES	1200mmØ	OSDD-N/A	OSDD-S25	OSDD-S28.1
		OPSD-N/A	OPSD-N/A	OPSD-N/A

STORMCEPTOR MODEL 750

STC 17

NOT FOR CONSTRUCTION:
Please contact local manufacturer for detailed construction drawings

Notes:

- Dimensions may vary regionally due to different manufacturers.
- Access key is offset to allow access to the fiberglass top and to allow inspection and maintenance from the surface.
- Flow restriction by grouting or flexible joints.
- Flexible joints may not be suitable for all installations. Please contact your sales representative for further information.
- 810 mm (24") outlet size for direct access to the treatment chamber.
- Safety grates for the 810 mm (24") outlet are available.

DATE: 02/23/98 **BY:** J.M.G. **SCALE:** 1:50

STC 750 PRECAST CONCRETE STORMCEPTOR
FIBREGLASS DISC DESIGN - 750 IMP. GALLON CAPACITY

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J. GENDRON
100220125
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SAINT JOSEPH DEVELOPMENTS

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