



WEST MEMORIAL BUILDING
 344 WELLINGTON
 FFE=68.84
 BFE=64.72
 SBFE=58.84

NOTES:
GENERAL

- COORDINATES ARE IN MTM ZONE 9 (78°30' WEST LONGITUDE) NAD-83 (ORIGINAL)
 - SERVICES ARE TO BE CONSTRUCTED TO 1.0m INSIDE BUILDING.
 - CONTRACTOR TO VERIFY ALL EXISTING WATERMAIN, SEWER AND OTHER UTILITY ELEVATIONS AT CONNECTION AND CROSSING LOCATIONS PRIOR TO CONSTRUCTION AND ADVISE THE DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
 - UNLESS DIRECTED OTHERWISE ANY DAMAGED ASPHALT OR CURB (REGARDLESS OF WHETHER WITHIN OR EXTERNAL TO THE SITE) SHALL BE REINSTATEMENT IN ACCORDANCE WITH CITY STD. DET. R10 AND S1.
 - UNLESS DIRECTED OTHERWISE THE CONTRACTOR SHALL REINSTATE ALL SIGNS, LIGHTING AND OTHER STREET FURNITURE DISTURBED BY THE WORK.
 - THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT TRAFFIC MANAGEMENT PLANS FOR WORK IN RIGHT OF WAY IN ACCORDANCE WITH OTM BOOK 7.
 - THE CONTRACTOR SHALL PROTECT THE HERITAGE MASONRY IN ALL WORK AREAS SUCH THAT NO DAMAGE SHALL RESULT. COSTS INCURRED TO REPAIR OR REPLACE DAMAGED HERITAGE STONEMASONRY SHALL BE BORNE BY THE CONTRACTOR.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA GUIDELINES, POLICIES, BY-LAWS AND STANDARD DETAIL DRAWINGS. AS AMENDED. CONTRACTOR SHALL KEEP ROADS FREE OF MUD AND DEBRIS AT ALL TIMES.
 - ALL SERVICES PENETRATING CONCRETE SUBSTRATES, INCLUDING BUT NOT LIMITED TO FOOTINGS, FOUNDATION WALLS, RETAINING WALLS, PORCHES, ETC. SHALL BE SLEEVED.
- SEWERS**
- ALL STORM SEWERS, SANITARY SEWERS AND CATCH BASINS LEADS SHALL BE PVC DR 35 UNLESS OTHERWISE SPECIFIED.
 - REFER TO DETAIL 1 FOR SEWER INSTALLATION DETAIL.
 - MAINTENANCE HOLES AND CATCH BASIN MAINTENANCE HOLES ON STORM SEWERS LESS THAN 900mm DIAMETER SHALL BE CONSTRUCTED WITH A 300mm SUMP. BENCHING SHALL BE INSTALLED IN MAINTENANCE HOLES ON STORM SEWERS 900mm AND ABOVE.
 - STORM SEWER MAINTENANCE HOLE COVERS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL S24.1 ON FRAMES TO DETAIL S25.
 - CCTV INSPECTION OF ALL COMPLETED SEWERS SHALL BE PERFORMED IN ACCORDANCE WITH OPSS 409. SEWERS SHALL NOT BE PUT INTO SERVICE UNTIL THIS INSPECTION HAS BEEN SUCCESSFULLY COMPLETED AS AGREED BY THE DEPARTMENTAL REPRESENTATIVE. WHERE DEFICIENCIES ARE FOUND, THE CONTRACTOR SHALL REPEAT THE CCTV INSPECTION AT NO ADDITIONAL COST TO THE CONTRACT.
 - CONTRACTOR SHALL MAINTAIN EXISTING SEWER FLOWS DURING CONSTRUCTION IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS.
 - ALL MAINTENANCE HOLES, CATCHBASINS AND CLEANOUTS SHALL BE ADJUSTED TO NEW GRADE.
 - SHIELDED SEWER COUPLINGS (NEW TO EXISTING PIPE) SHALL BE IN ACCORDANCE WITH ASTM C 425, ASTM C 1173, EPDM, SBRR OR NITRILE RUBBER. CLAMPING BANDS SHALL BE 316 STAINLESS STEEL (SPECIAL ORDER).
 - COORDINATES FOR CP'S ARE PROVIDED AT THE INTERFACE WITH THE ADJACENT CURB-LINE, ALIGNED WITH THE CENTER OF THE CB. COORDINATES FOR ALL OTHER INFRASTRUCTURE ARE PROVIDED FOR THEIR RESPECTIVE CENTER.
 - SUBDRAIN INSTALLATION SHALL BE AS PER CITY STD. DET. R1.
 - CATCHBASINS INDICATED FOR REMOVAL SHALL BE REMOVED IN ENTIRETY. BACKFILL WITH GRANULAR 'B' TYPE II COMPACTED

- TO 95% SPMDD.
 - NEW CONNECTIONS TO EXISTING SEWER WITH SADDLE TEE OR WYE. SADDLE FITTING SHALL HAVE GASKET AND STAINLESS STEEL CLAMPS.
 - BENDS SHARPER THAN 22-1/2 DEGREES WILL NOT BE PERMITTED. SHARPER BENDS MAY BE ACHIEVED BY USING TWO 22-1/2 DEGREE BENDS SEPARATED BY STRAIGHT PIPE WITH A MINIMUM LENGTH OF 900mm. SERVICES SHALL HAVE NO MORE THAN TWO 22-1/2 DEGREE HORIZONTAL BENDS.
- WATERMANS**
- ALL WATERMAIN MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE 2017 EDITION OF THE CITY OF OTTAWA STANDARD SPECIFICATIONS AND STANDARD DRAWINGS. PVC PIPE TO BE CLASS 150 (DR15 TO LATEST EDITION) OF A.W.W.A. SPECIFICATION C900 AND CSA B137.3 LATEST AMENDMENT WITH GASKETED BELL AND SPIGOT COUPLINGS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A WATER PERMIT AS REQUIRED FROM THE CITY OF OTTAWA, AND COMPLYING WITH ALL CITY OF OTTAWA REQUIREMENTS. THE CITY MAY REQUIRE THAT CERTAIN ACTIVITIES (E.G. VALVE OPERATION, CONNECTION OF NEW WATER SERVICE TO EXISTING WATERMAIN, DISINFECTION) BE CARRIED OUT ONLY BY CITY FORCES.
 - ALL VALVES 300mm DIAMETER AND SMALLER SHALL INCLUDE A VALVE BOX AS PER W24.
 - THE NEW WATERMAIN IS TO BE INSTALLED WITH A MINIMUM OF 2.4m COVER (INCLUDING HYDRANT LEAD). WHERE 2.4m COVER IS NOT POSSIBLE, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAILS W22 & W23.
 - THRUST RESTRAINT SHALL BE PROVIDED BY BOTH RESTRAINING RETAINING RINGS AND THRUST BLOCKS AT ALL DEAD END CAPS, PLEGS, VALVES, BENDS AND REDUCERS AS PER CITY OF OTTAWA STANDARD DETAILS W25.3, W25.4, W25.5 AND W25.6. ALL TEMPORARY THRUST RESTRAINTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
 - TRACER WIRE SHALL BE PROVIDED FOR ALL NEW PVC WATERMANS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD DETAIL W36.
 - CATHODIC PROTECTION SHALL BE PROVIDED FOR ALL NEW WATERMANS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD DETAILS W39, W40, W41, W42 AND W47. CATHODIC PROTECTION OF EXISTING WATERMANS SHALL ALSO BE PROVIDED AT CONNECTIONS BETWEEN EXISTING AND NEW WATERMANS.
 - ADJUST ALL VALVE CHAMBERS, VALVE BOXES AND HYDRANTS TO NEW GRADE.
- UTILITY NOTE**
- THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPORTING AND PROTECTING ANY EXISTING UTILITIES, AS REQUIRED, IN ACCORDANCE WITH THE UTILITY OWNERS' REQUIREMENTS. CONTRACTOR IS REQUIRED TO OBTAIN LOCATES, IN ADVANCE OF EXCAVATION WORK, AND FORWARD COPIES OF THE LOCATES TO THE DEPARTMENTAL REPRESENTATIVE PRIOR TO EXCAVATION. HAND EXCAVATION IS REQUIRED PER UTILITY OWNERS REQUIREMENTS.
 - ALL CROSSINGS OF EX. UTILITIES TO BE IN ACCORDANCE WITH CITY STD. DET. S10

STORM DESIGN FLOWS		
LOCATION	STORM EVENT RETURN PERIOD	FLOW RATE (L/S)
BAY ST. OUTLET	5-YR	125
LYON ST OUTLET	5-YR	83
ROOF OVERFLOWS (TOTAL)	100-YR	357

LEGEND

- 200mm SANITARY SEWER
- 300mm STORM SEWER
- 200mm WATERMAIN
- NEW STORM LEAD
- NEW STORM MAINTENANCE HOLE
- NEW STORM HANDHOLE
- NEW CATCH BASIN
- NEW CHANNELED DRAIN
- NEW OGS
- NEW CAP
- NEW AREA DRAIN
- NEW FIRE HYDRANT
- REMOVALS
- NEW CURED-IN-PLACE PIPE (CIPP) LINING
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATERMAIN
- EXISTING STORM LEAD
- EXISTING CATCH BASIN
- EXISTING HYDRO
- EXISTING BELL
- EXISTING TRAFFIC
- EXISTING GAS

SAIDE SAYAH
 MANAGER, CENTRAL BRANCH
 PLANNING, INFRASTRUCTURE & ECONOMIC
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED
 By Saide Sayah at 12:02 pm, Jun 24, 2020

SCALE 1:200
 HORIZONTAL

Canada
 Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada
 Real Property / Direction générale des biens immobiliers
 Branch / biens immobiliers
 architecte / architecte

REGENERATE 344
 Margana & Tashiro Architects + Urban Architects in Joint Venture

MORRISON HERSHFELD

E.A. EMERY
 2020/03/30
 PROVINCE OF ONTARIO

B.L.F. KIPP
 2020/03/30
 PROVINCE OF ONTARIO

Contractor to verify all dimensions & conditions on site and immediately notify the departmental representative of all discrepancies.

revisions	description	date
5	ISSUED FOR CITY OF OTTAWA SITE COORDINATION R2	2020/03/30
4	ISSUED FOR CITY OF OTTAWA SITE COORDINATION R1	2020/03/18
3	ISSUED FOR CITY OF OTTAWA SITE COORDINATION R2	2020/03/02
2	ISSUED FOR CITY OF OTTAWA SITE COORDINATION R2	2020/02/19
1	ISSUED FOR CITY OF OTTAWA SITE COORDINATION R1	2020/01/20
0	ISSUED FOR CITY OF OTTAWA SITE COORDINATION R1	2019/09/05

project
WEST MEMORIAL BUILDING REHABILITATION PROJECT

344 WELLINGTON, OTTAWA, ON

drawing no. du dessin

SITE SERVICING PLAN

Designed By: **DK** Conçu par: **Conçu par**
 Date: 2018/12/14 (yyyy/mm/dd)
 Drawn By: **NI** Dessiné par: **Dessiné par**
 Date: 2018/12/14 (yyyy/mm/dd)
 Reviewed By: **EE** Examiné par: **Examiné par**
 Date: 2018/12/14 (yyyy/mm/dd)
 Approved By: **Approver** Approuvé par: **Approuvé par**
 Date: 2018/12/14 (yyyy/mm/dd)
 Tender: **Tender** Soumission
 Project Manager: **Administrateur de projets**
 Project no. No. du projet
R.086471.105
 Drawing no. No. du dessin
C-001