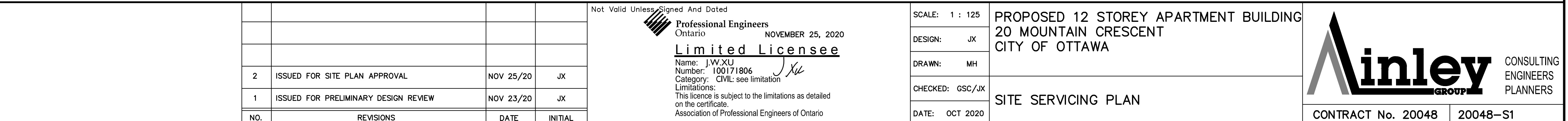
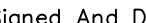



1. ALL SANITARY SERVICES ARE TO BE THE SIZES INDICATED AND THE MATERIAL SHALL BE PVC SDR 35.

- SDR 35, STORM SEWERS LARGER THAN 375mm SHALL BE CONCRETE CLASS 650. UNLESS OTHERWISE NOTED.
  2. THE BEDDING FOR THE PROPOSED STORM AND SANITARY SEWERS AND WATERMAIN SHOULD CONSIST OF AT LEAST 150mm OF CRUSHED STONE MEETING OPSS REQUIREMENTS FOR GRANULAR 'A'. ALLOWANCE SHOULD BE MADE FOR A 150 TO 300 MILLIMETRE THICK SUBBEDDING LAYER OF OPSS GRANULAR 'B' TYPE II IF THE SUBGRADE SOIL BECOMES DISTURBED DURING EXCAVATION.
  3. COVER MATERIAL, FROM PIPE SPRING LINE TO AT LEAST 300mm ABOVE THE TOPS OF THE PIPES, SHOULD CONSIST OF OPSS GRANULAR 'A'. THE GRANULAR BEDDING AND COVER MATERIALS FOR THE SERVICE PIPES SHOULD BE COMPACTED IN MAXIMUM 150mm THICK LIFTS TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR DRY DENSITY VALUE.
  4. ALL WORK SHALL BE PERFORMED, AS APPLICABLE, IN ACCORDANCE WITH CITY OF OTTAWA STANDARD SPECIFICATIONS AND IN PARTICULAR WITH O.P.S.S. 407, AND 410.
  5. CATCHBASIN SHALL BE PRECAST 600X600 AS PER OPSS STD. 705.010. FRAMES AND COVERS SHALL BE PER CITY OF OTTAWA STANDARDS S19.
  6. ALL MANHOLES, CATCHBASINS AND CATCHBASIN MANHOLE TO BE BACKFILLED WITH MIN. 0.3m HORIZ. THICKNESS OF GRANULAR "A".
  7. ALL STORM MANHOLES TO BE OPSS 701.010 AND OPSS 701.011 C/W 300mm SUMP. COVERS TO BE PER CITY OF OTTAWA STANDARDS S24.1.
  8. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN TO WITHIN 1.0m OF BUILDING WALLS. PROVIDE TEMPORARY CAPS.
  9. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS AND COORDINATION FOR ALL INSPECTION AND TESTING.
  10. THE FOUNDATION DRAIN IS TO BE CONNECTED TO THE STORM SEWER (IF APPLICABLE).
- NOTES: WATERMAIN**
1. ALL WATERMAIN WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE.
  2. INSTALLATION OF WATER METER AND REMOTE RECEPTACLE SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS (REFER TO MECHANICAL DRAWINGS).
  3. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m. IF COVER IS LESS THAN 2.4m, REFER TO CITY STANDARD W21 & W22.
  4. WATERMAIN BEDDING IS TO BE AS PER CITY STANDARD DETAIL W17.
  5. THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA DWGS: W25.3 AND W25.4, W25.5 AND W25.6.
  6. WATERMAIN VALVE BOX AS PER CITY OF OTTAWA STANDARD W24.
  7. WATERMAIN VALVE CHAMBER AS PER CITY OF OTTAWA STANDARD W3.
  7. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS PER CITY OF OTTAWA DWGS: W39 , W40, W41
  8. UNLESS OTHERWISE NOTED WATER SERVICE LATERAL TO BUILDING & HYDRANT SHALL BE PVC DR 18 AT SIZES INDICATED.
  9. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS AND COORDINATION FOR ALL INSPECTION AND TESTING.
  10. CONTRACTOR TO VERIFY THE EXACT LOCATION OF THE EXISTING WATER SERVICES AND PROVIDE EXCAVATION, BEDDING, BACKFILL AND REINSTATEMENT. THE EX WATER SERVICES SHALL BE BLANKED AT CITY WATERMAIN BY CITY FORCES.

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					<div>Not Valid Unless Signed And Dated</div> <div><div>Professional Engineers Ontario NOVEMBER 25, 2020 <u>Limited Licensee</u> Name: J.W.XU Number: 100171806 Category: CIVIL: see limitation Limitations: This licence is subject to the limitations as detailed on the certificate. Association of Professional Engineers of Ontario</div></div>	<div>SCALE: 1 : 125</div> <div>DESIGN: JX</div> <div>DRAWN: MH</div> <div>CHECKED: GSC/JX</div> <div>DATE: OCT 2020</div>	PROPOSED 12 STOREY APARTMENT BUILDING 20 MOUNTAIN CRESCENT CITY OF OTTAWA	<div><div>CONSULTING ENGINEERS PLANNERS</div></div> <div>CONTRACT No. 2004820048-S1</div>
2	ISSUED FOR SITE PLAN APPROVAL	NOV 25/20	JX					
1	ISSUED FOR PRELIMINARY DESIGN REVIEW	NOV 23/20	JX					
NO.	REVISIONS	DATE	INITIAL					
						SITE SERVICING PLAN		