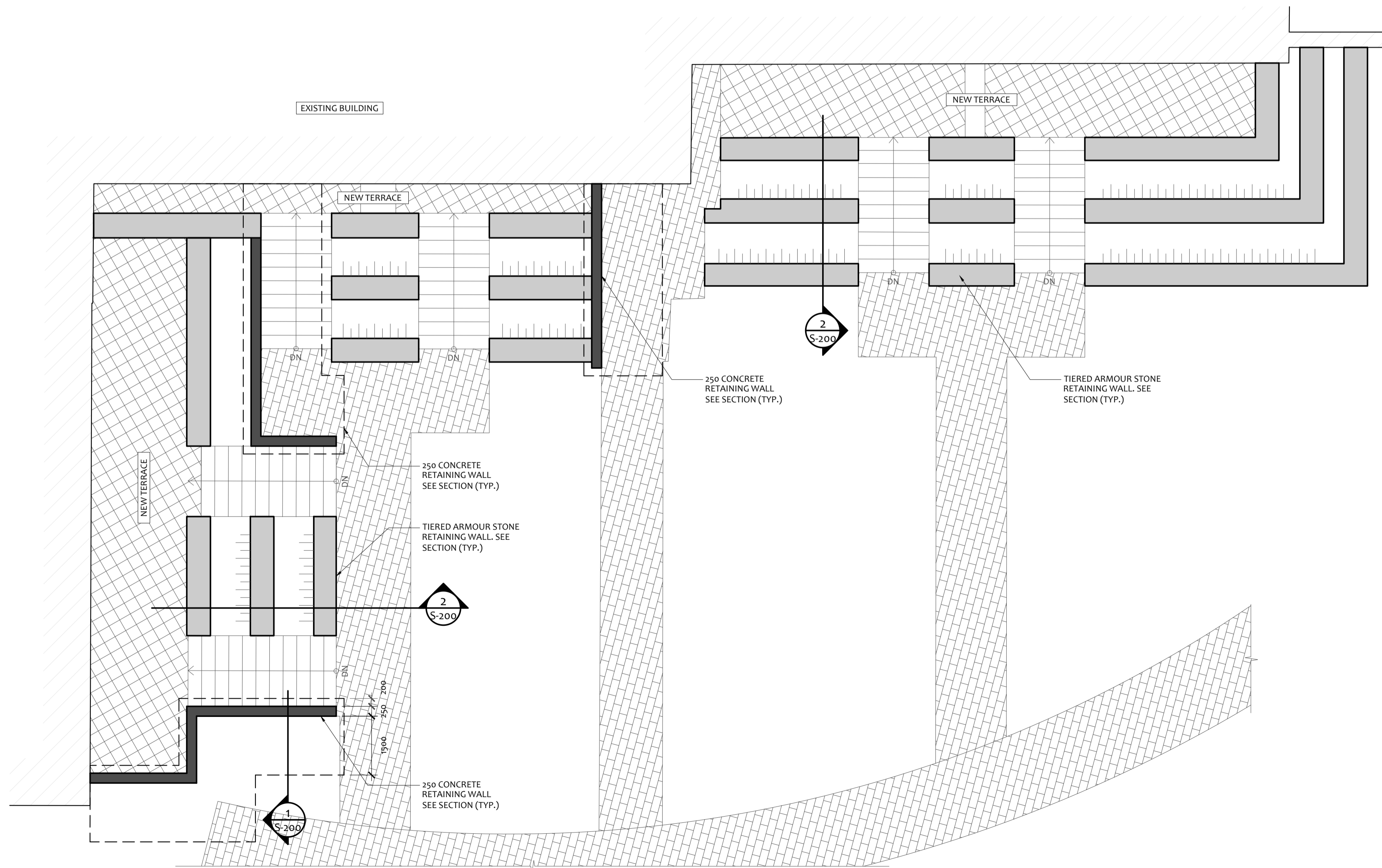
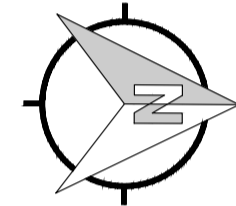
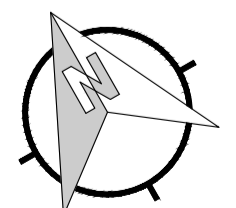


NORTH DUG-OUT BASEMENT / RETAINING WALLS  
SCALE: 1:75



SOUTH DUG-OUT BASEMENT / RETAINING WALLS  
SCALE: 1:75



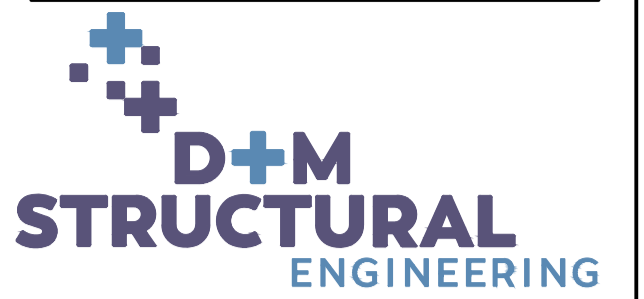
NOTES:

1. REFER TO CIVIL DRAWINGS FOR GRADING DETAILS INCLUDING ALL FINISHED ELEVATIONS, DRAINS ETC.
2. REFER TO LANDSCAPE DRAWINGS FOR ALL LANDSCAPING REQUIREMENTS.
3. REFER TO GEOTECHNICAL REPORT FOR SLOPE STABILITY REQUIREMENTS.
4. SEE SECTIONS FOR RETAINING WALL DETAILS.
5. REFER TO ARCHITECTURAL/ LANDSCAPE DRAWINGS FOR GUARDRAIL DETAILS - REQUIRED WHERE RETAINED HEIGHT EXCEEDS 600mm

*Allison Hamlin*

**ALLISON HAMLIN**  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA

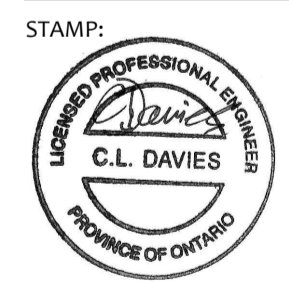
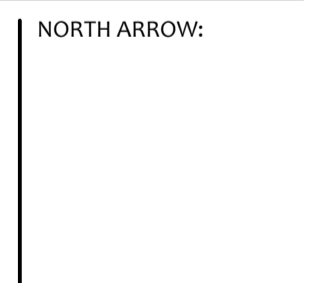
**APPROVED**  
By Allison Hamlin at 8:57 am, Aug 03, 2023



D+M Structural Ltd.  
110-333 Preston Street, Ottawa, ON, K1S 5N4  
Phone: (613) 651-9490

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#	DATE	DESCRIPTION
1	22 09 28	ISSUED FOR MUNICIPAL APPROVAL

STAMP:  NORTH ARROW: 

PROJECT NAME AND ADDRESS:  
**8 STOREY APARTMENT BUILDING CONVERSION**  
1600 JAMES NAISMITH DRIVE  
OTTAWA, ON

DRAWING NAME:  
**RETAINING WALL PLAN**

DESIGNED BY: C. DAVIES  
DRAWN BY: A. WITTICH  
START DATE: 2022 09 26  
D+M PROJECT #: 22-110 | **S-100**

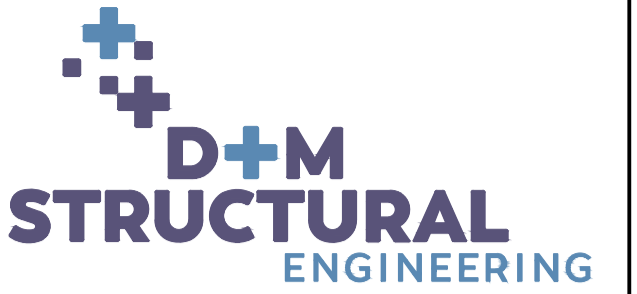


*Allison Hamlin*

**ALLISON HAMLIN**  
**MANAGER (A), DEVELOPMENT REVIEW WEST**  
**PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT**  
**DEPARTMENT, CITY OF OTTAWA**

**APPROVED**  
 By Allison Hamlin at 8:56 am, Aug 03, 2023

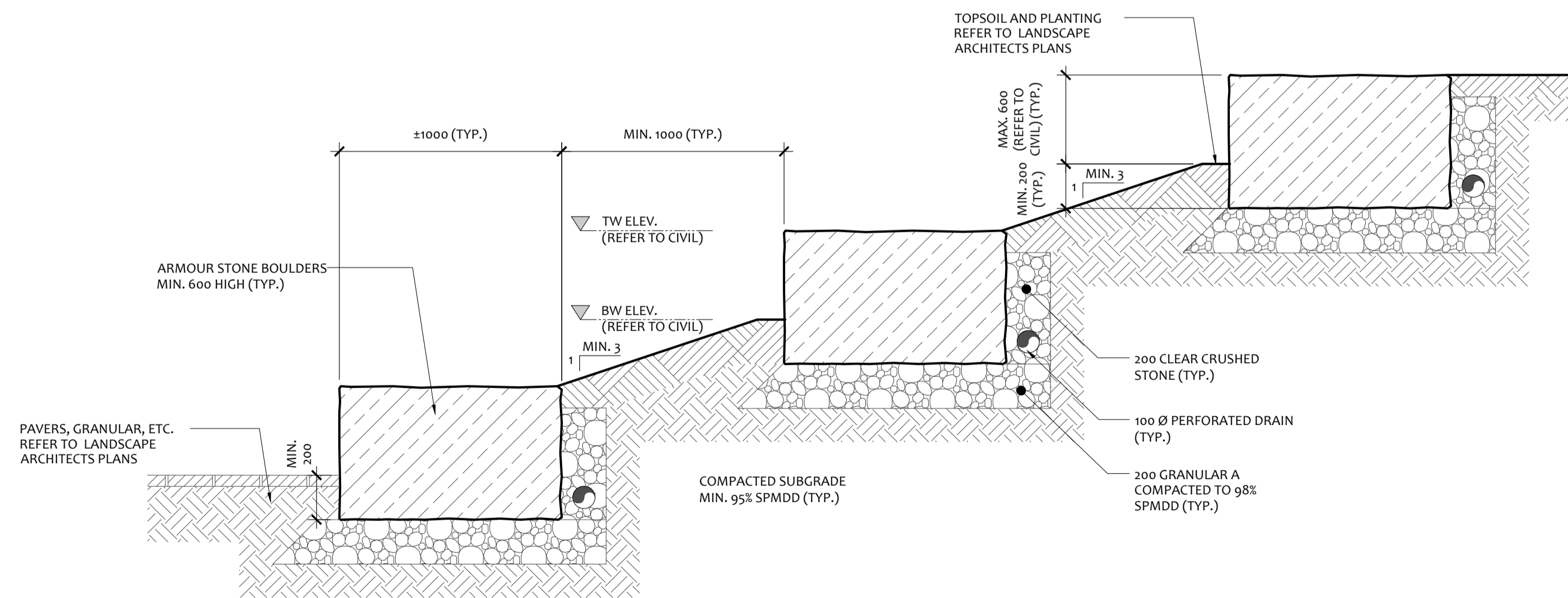
- NOTES:**
- REFER TO CIVIL DRAWINGS FOR GRADING DETAILS INCLUDING ALL FINISHED ELEVATIONS, DRAINS ETC.
  - REFER TO LANDSCAPE DRAWINGS FOR ALL LANDSCAPING REQUIREMENTS.
  - REFER TO GEOTECHNICAL REPORT FOR SLOPE STABILITY REQUIREMENTS.
  - SEE SECTIONS FOR RETAINING WALL DETAILS.
  - REFER TO ARCHITECTURAL/ LANDSCAPE DRAWINGS FOR GUARDRAIL DETAILS - REQUIRED WHERE RETAINED HEIGHT EXCEEDS 600mm



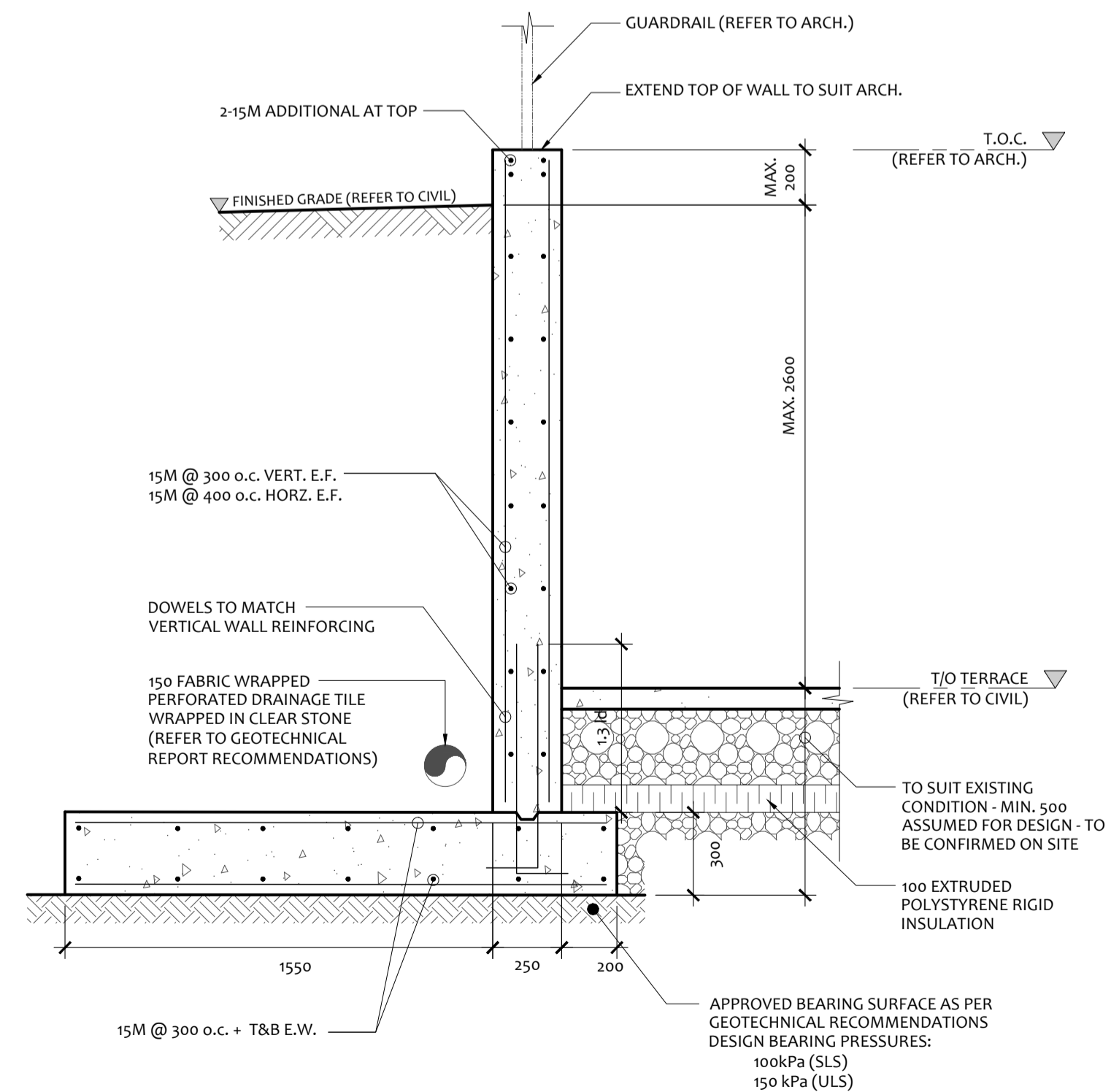
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- CONCRETE NOTES:**
- ALL CONCRETE WORK TO COMPLY WITH CSA A23.1/A23.2
  - REINFORCING STEEL SHALL BE DEFORMED STEEL BARS IN ACCORDANCE WITH CSA G30.18, GRADE 400R
  - CONCRETE PERFORMANCE CHARACTERISTICS  
 28-DAY STRENGTH: 25MPa  
 EXPOSURE CLASS: F-2  
 AIR ENTRAINMENT: 4-7%
  - ALL REINFORCING STEEL TO BE DETAILED, FABRICATED, PLACED, & SUPPORTED IN ACCORDANCE WITH THE REINFORCING STEEL INSTITUTE OF CANADA MANUAL OF STANDARD PRACTICE
  - CONCRETE COVER TO REINFORCING BARS  
 FOUNDATION BOTTOM BARS: 75mm  
 REMAINDER: 40mm
  - ALL EXPOSED CORNERS TO HAVE 19mm CHAMFER (TYP.)



**2 SECTION: TYPICAL ARMOUR STONE TERRACED WALL**  
 S-200 SCALE: 1:20



**1 SECTION: TYPICAL CAST-IN-PLACE CONCRETE RETAINING WALL**  
 S-200 SCALE: 1:20

#	DATE	DESCRIPTION
1	22 09 28	ISSUED FOR MUNICIPAL APPROVAL

STAMP: NORTH ARROW:

PROJECT NAME AND ADDRESS:  
**8 STOREY APARTMENT BUILDING CONVERSION**  
 1600 JAMES NAISMITH DRIVE  
 OTTAWA, ON

DRAWING NAME:  
**SECTIONS**

DESIGNED BY: C. DAVIES  
 DRAWN BY: A. WITTICH  
 START DATE: 2022 09 26  
 D+M PROJECT #: 22-110

**S-200**