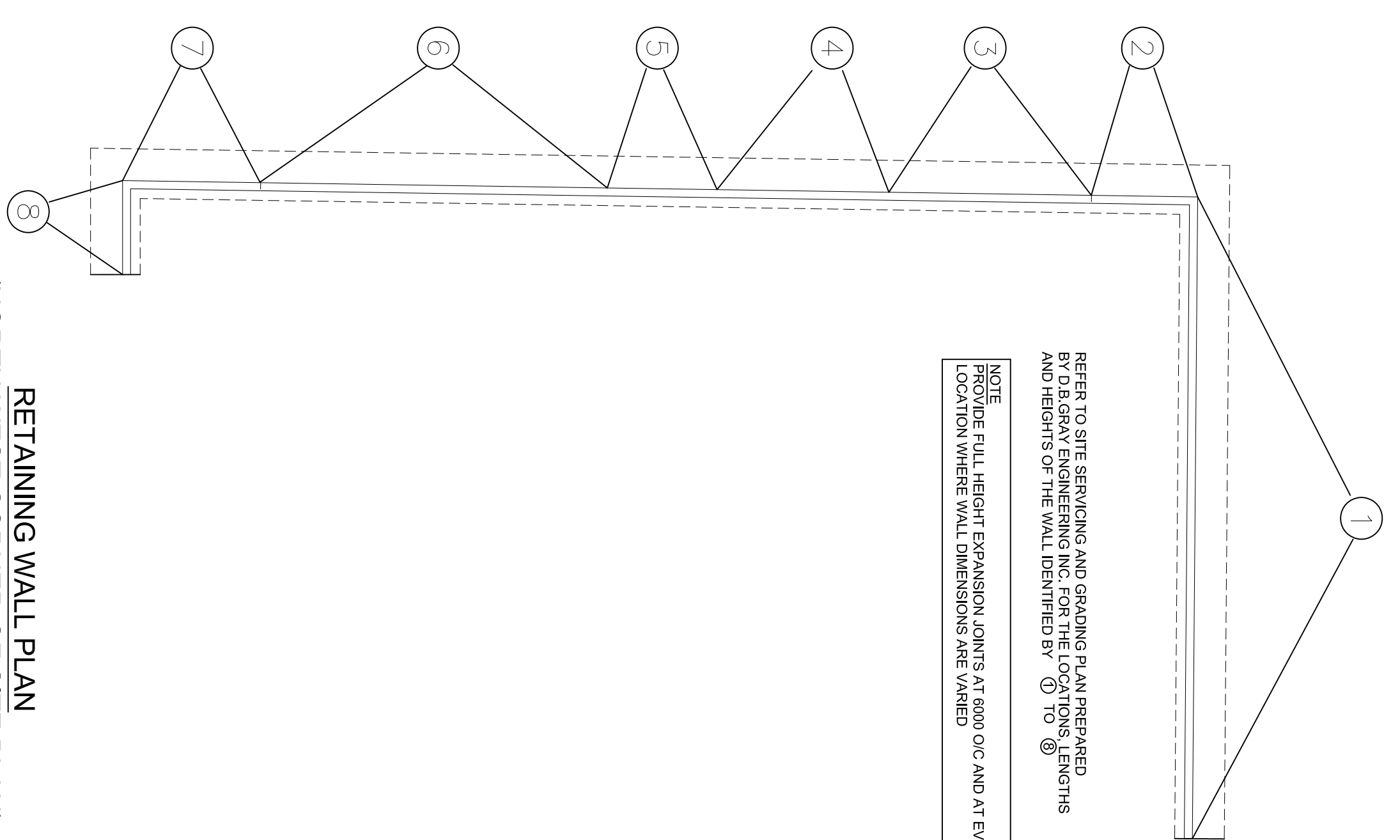
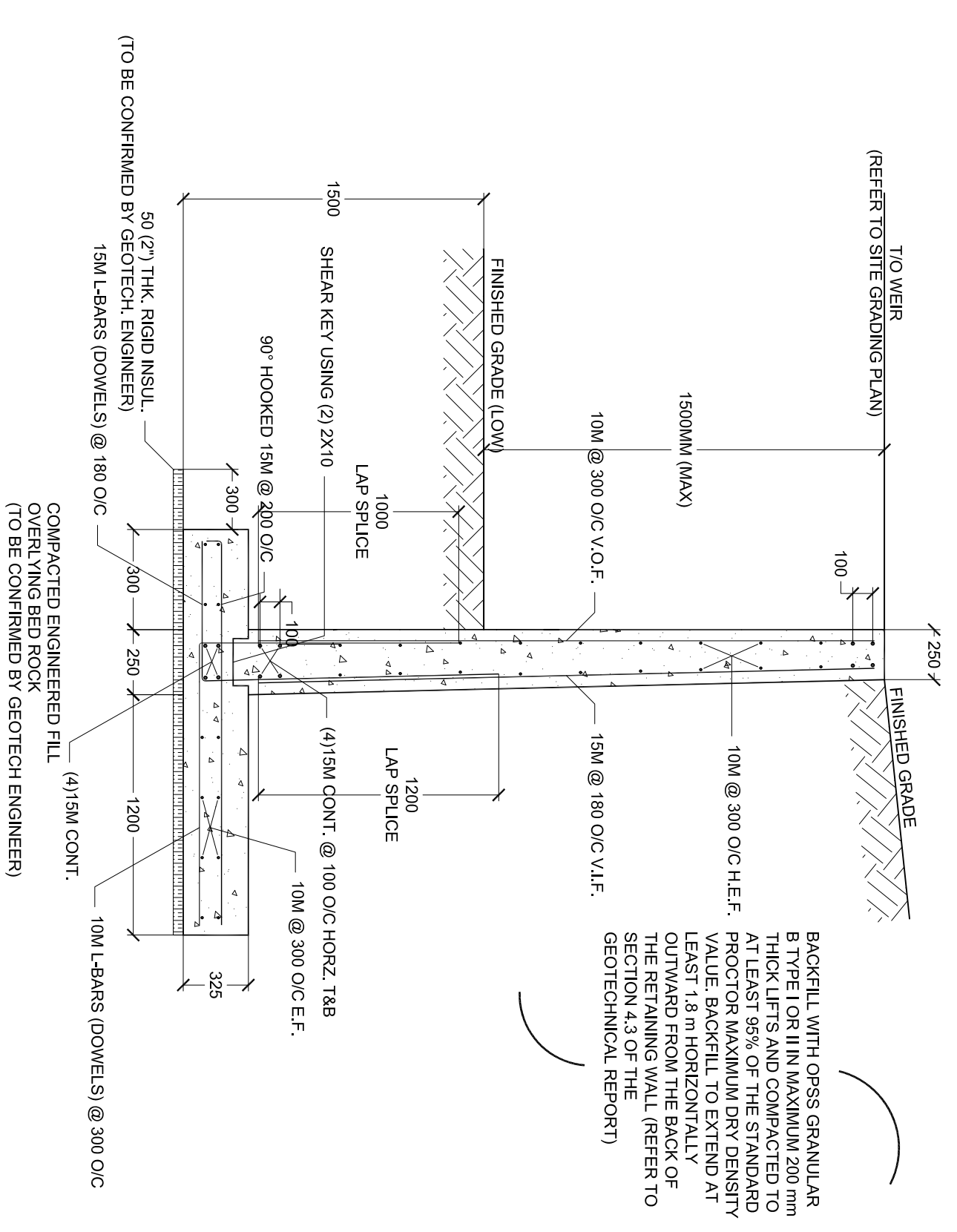


REFER TO SITE SERVICING AND GRADING PLAN PREPARED BY D.B. GRAY ENGINEERING INC. FOR THE LOCATIONS, LENGTHS AND HEIGHTS OF THE WALL IDENTIFIED BY ① TO ⑧

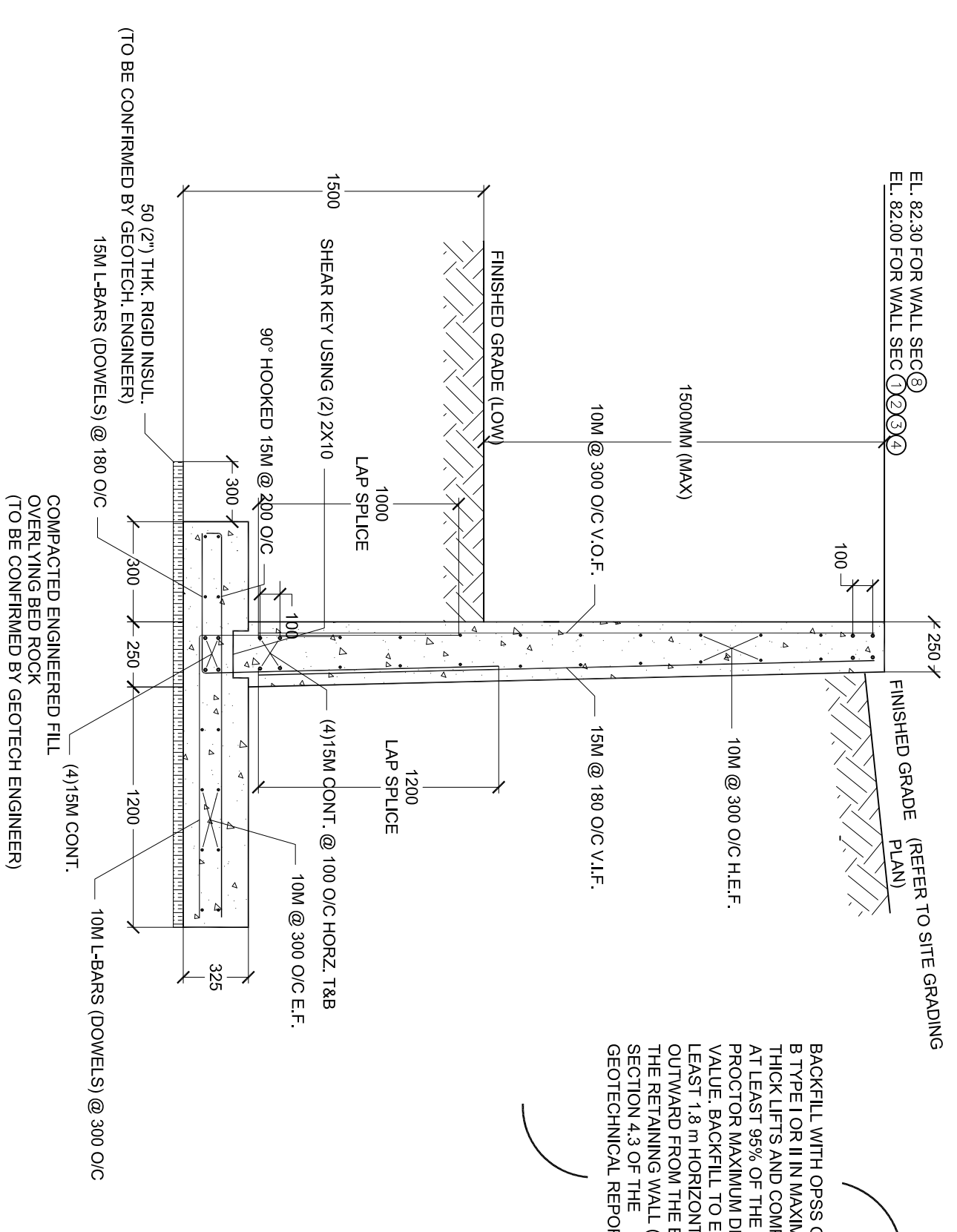
NOTE: PROVIDE FULL HEIGHT EXPANSION JOINTS AT 8000 O.C. AND AT EVERY LOCATION WHERE WALL DIMENSIONS ARE VARIED



**RETAINING WALL PLAN
(NORTH WEST CORNER OF SITE PLAN)**



WALL DETAILS ⑥



WALL DETAILS ①

1) CONCRETE

CONCRETE WORK SHALL COMPLY WITH CSA-A23.3-14. SUBMIT FOR REVIEW THE PROPOSED MIX DESIGN FOR EACH CLASS OF CONCRETE. PROVIDE EXPANSION JOINTS @ 8000 O.C. MAX.

1.1	CONCRETE STRENGTHS	SLUMP MAX.	EXPOSURE CLASS
	ELEMENT	28 DAYS STRENGTH	
	SLAB ON GRADE	25 MPa	N
	FOOTINGS TYPE FOUNDATION WALLS	32 MPa	F-2
	RETAINING WALLS	35 MPa	C-1
	PAVEMENTS & WALLS	32 MPa	

*OBTAIN THESE SLUMPS WITH AID OF SPECIFIED WATER REDUCING AGENT

NOTE: ALL CONCRETE EXPOSED TO EXTERIOR CONDITIONS TO HAVE MIN. 6% AIR ENTRAINMENT

1.2 CONCRETE COVER (CLEAR TO REINFORCING)

US FOOTINGS (AGAINST SOIL)	75 mm
US FOOTINGS (NOT AGAINST SOIL)	50 mm
WALLS (AGAINST SOIL)	50 mm
WALLS (NOT AGAINST SOIL)	40 mm
SLABS	25 mm UN
BEAMS	40 mm (TO THE S)
COLUMNS	40 mm (TO THE S)
PIERS	50 mm (TO THE S)

1.3 REINFORCING STEEL

DETAIL AND PLACE REINFORCING STEEL IN ACCORDANCE WITH THE LATEST ADDITION OF "REINFORCING STEEL, MANUAL OF STANDARD PRACTICE" AND CSA-A23.3-14.

PROVIDE REFORMED BARS WITH YIELD STRENGTH OF 400 MPa (GRADE 400) IN ACCORDANCE WITH CSA-A23.18.

PROVIDE WELDED WIRE FABRIC IN ACCORDANCE WITH CSA-A23.15.

2) GEOTECHNICAL

GEOTECHNICAL REPORT PREPARED BY GEINTEG, PROJECT #424210 DATED SEPTEMBER 25, 2020. REFER TO SECTION 4.3 FOR GEOTECHNICAL REQUIREMENTS OF RETAINING WALLS.

SOIL BEARING CAPACITIES:	SUBGRADE MATERIAL	SL'S (KPa)	UL'S (KPa)
	NATIVE UNDISTURBED SILTY CLAY	100	250
	NATIVE UNDISTURBED SILTY CLAY	120	300
	COMPACTED ENGINEERED FILL (OVERLYING BEDROCK)	250	400
	SOUND BEDROCK	-	1000

FROST COVER: FINISHED GRADE TO US OF FOOTING
- PROVIDE 1500 mm MIN. FROST COVER UN OR PROVIDE EQUIVALENT PROTECTION USING POLYSTYRENE INSULATION APPROVED BY GEOTECHNICAL ENGINEER.

COMPLY WITH ALL PROVINCIAL AND MUNICIPAL TRENCHING AND EXCAVATION SAFETY REGULATIONS, CONFORM TO ONTARIO BUILDING CODE AND CANADIAN CONSTRUCTION SAFETY CODE.

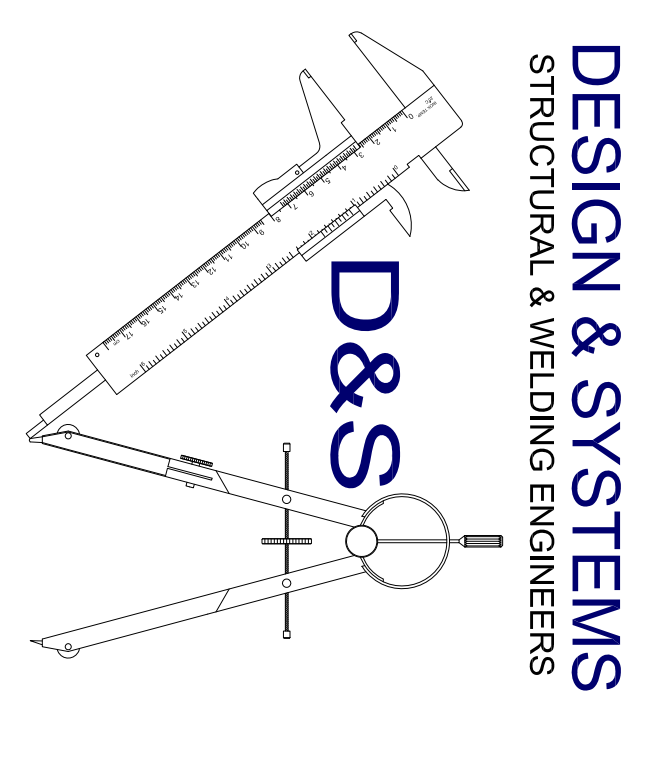
APPROVED REFUSED

THIS 02 DAY OF December, 2020

Erin O'Connell
ERIN O'CONNELL, M.C.I.P., R.P.P., MANAGER (A)
 DEVELOPMENT REVIEW, WEST
 PLANNING, INFRASTRUCTURE AND ECONOMIC
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

REV	DESCRIPTION	DATE
0	FOR SITE PLAN APPROVAL	16.04.2020
1	FOR SITE PLAN APPROVAL	05.08.2020
2	FOR SITE PLAN APPROVAL	09.10.2020

REVISED ADDRESS OF THE SITE	02.12.2020
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SUITE 252, 2378 HOLLY LANE
 OTTAWA, ON K1V 3P1
 TEL +1 (613) 739-7482
 FAX +1 (613) 739-0617

ENGINEER	
CLIENT	MEGHA HOLDINGS INC 1000 BELFAST ROAD, OTTAWA, ON K1G 4A2
PROJECT	INDUSTRIAL WAREHOUSE 1285 TERON ROAD, KANATA, ON K2K 1Y2
DRAWING	RETAINING WALL PLAN AND TYP. WALL SECTIONS (NORTH-WEST CORNER)
DRAWN BY	FAJ
CHECKED BY	BSK
DATE	02.10.2020
SCALE	N.T.S