



1
S3.7
TYPICAL SECTION
HELICAL W/ BRACKET PILE
1:50

HELICAL PILE NOTES

1. REFER TO GENERAL NOTES AND SPECIFICATIONS. SEE DWG S1.1
2. FOR SOIL REPORT, REFER TO GEMTEC PROJECT NO. 101993.002 DATED MARCH 23, 2023 BY GEMTEC CONSULTING ENGINEERS AND SCIENTISTS LIMITED.
3. DESIGN OF HELICAL PILES BY A SPECIALTY HELICAL PILE CONTRACTOR SUCH AS "EBS GEOSTRUCTURAL" OR "APPROVED EQUAL".
4. USE CHANCE SS175 HELICAL PILE W/ L-BRACKET SYSTEM BY "EBS GEOSTRUCTURAL" OR APPROVED EQUAL".
5. HELICAL PILE CAPACITY, DEPTH, NUMBER OF PILES, LAYOUT AND NUMBER OF BATTERED PILES TO BE DETERMINED BY THE SPECIALTY HELICAL PILE CONTRACTOR. ASSUMED MINIMUM PILE DEPTH IS 3M TO 5M. CONTRACTOR TO CONFIRM.
6. DESIGN AND INSTALLATION OF HELICAL PILES SHOULD BE DONE BY A QUALIFIED CONTRACTOR EXPERIENCED IN THIS TYPE OF CONSTRUCTION. THE PILE CONTRACTOR MUST CARRY A PROFESSIONAL LIABILITY INSURANCE OF \$5M FOR EACH OCCURRENCE AND HAVE A SOIL ENGINEER STAMP THE LOAD CAPACITY OF PILES AND DRAWINGS WITH PILE LAYOUT.
7. CONTRACTOR TO FOLLOW MANUFACTURER'S HELICAL PILE DESIGN, RECOMMENDED SITE PREPARATION, PRODUCT INSTALLATION AND APPLICATION PROCEDURES.
8. ACTUAL DEPTH OF HELICAL PILES ARE TO BE DETERMINED DURING INSTALLATION WHEN THE REQUIRED TORQUE IS ACHIEVED BASED ON REQUIRED PILE CAPACITY.
9. ALL DIMENSIONS TO BE VERIFIED ON SITE WITH MECHANICAL DRAWINGS.
10. DESIGN OF CONNECTION AND EMBEDMENT OF HELICAL PILES TO THE CONCRETE FOUNDATION BY THE SPECIALTY HELICAL PILE CONTRACTOR.
11. THE HELICAL PILE CONTRACTOR TO SUBMIT SHOP DRAWINGS OF HELICAL PILE LAYOUT, DIAMETER (SIZE), CONNECTION AND EMBEDDED DETAILS FOR CONSULTANT'S REVIEW AND APPROVAL.
12. CONTRACTOR MUST IDENTIFY ON SITE ALL EXISTING SUBSURFACE UTILITIES PRIOR TO INSTALLING THE HELICAL PILES. REFER TO SUE REPORT PROJ. #23-0304 DATED OCTOBER 10, 2023 BY 4SIGHT UTILITY ENGINEERS
13. CONTRACTOR TO EXERCISE CAUTION IN WORKING BESIDE EXISTING BUILDING FOUNDATION AND SUBSURFACE UTILITY STRUCTURES

HELICAL PILE DESIGN LOAD SCHEDULE				
LOCATION	MARK	P _f (kN)	T _f (kN)	V _f (kN)
GENERATOR ROOM FOUNDATION WALL	HP-GR01	250	—	±12

NOTE:

1. DESIGN LOADS ARE ULS.
2. "P_f" DENOTES COMPRESSION. "T_f" DENOTES TENSION."V_f" DENOTES HORIZONTAL FORCE IN EITHER ORTHOGONAL DIRECTION.
3. PILES SHOULD BE DESIGNED FOR THE FOLLOWING LOAD COMBINATIONS:

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P_f±V_f

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T_f±V_f

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DRAWINGS MUST NOT BE SCALED. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AGAINST ARCHITECTURAL DRAWINGS AND MUST REPORT ANY INCONSISTENCY TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, AND COMPLYING WITH ALL APPLICABLE CONSTRUCTION CODES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION OVER THIS WORK.

B.M.	2024-10-14	A	RE-ISSUED FOR PERMIT
		NO.	REVISIONS

project

CAMPBELLFORD MEMORIAL HOSPITAL

title

PLAN. REINFORCEMENT OF EXISTING GENERATOR ROOM FOUNDATION

SCALE	AS SHOWN	DRAWING NO.
DRAWN BY	R.B.	S3.7
CHECKED BY	B.M.	
DATE	NOV 2021	
CAD FILE	22009-SK1	