

1 FOUNDATION PLAN
S2.1
SCALE: 1:100



| MARK | T/O PILE ELEVATION |
|------|--------------------------------------|
| E1 | EL. 98 160 |
| E2 | EL. 98 548 |
| E3 | EL. SEE LANDSCAPE ARCHITECT DRAWINGS |

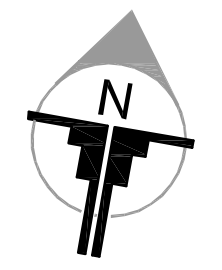
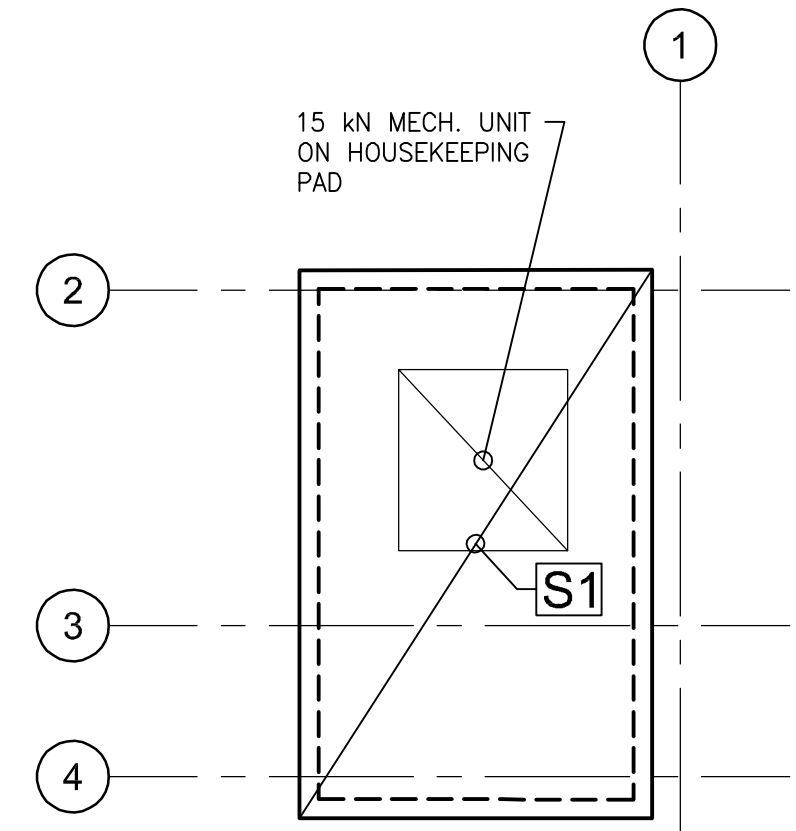
NOTES:
- PILE CUT-OFF IS MEASURED TO T/O PILE

| MARK | SIZE | DESIGN CAPACITY | |
|------|--------------|-----------------|---------|
| | | ULS | SLS |
| P1 | 305mm ϕ | 667 kN | 578 kN |
| P2 | 355mm ϕ | 934 kN | 800 kN |
| P3 | 405mm ϕ | 1200 kN | 1023 kN |

NOTES:
- CENTRE PILES ON GRADE BEAMS AND CONCRETE WALLS TYP. U.N.O.
- EXTEND PILE STRANDS 457mm MIN. INTO GRADE BEAMS, CONCRETE WALLS, PILE CAPS, AND PILASTERS TYP.
- A GEOTECHNICAL ENGINEER IN EMPLOY OF THE OWNER SHALL MONITOR INSTALLATION OF ALL PILES AND VERIFY CAPACITIES NOTED ABOVE ARE ACHIEVED.
- FGR = 0.06

| MARK | SIZE | LENGTH | REINFORCEMENT |
|------|--------------|--------|-------------------------------------|
| P4 | 406mm ϕ | 8600mm | 6-15M VERTS. 10M TIES @600mm O/C |

NOTES:
- PILE LOCATIONS AS PER ARCH & LANDSCAPING
- PILE REINFORCEMENT TO BE FULL LENGTH OF PILE.
- ADD 2-RINGS INTO TOP 600mm OF PILE.
- ULS = 18.4 kPa (FGR = 0.4)
- SLS = 16.7 kPa
- COORDINATE LOCATION OF P4 PILES WITH LANDSCAPE ARCHITECT DRAWINGS.
- PILES TO BE CENTRED ON BEAM.



2 FOUNDATION PLAN
S2.2
SCALE: 1:100

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| No. | Date | Issue / Revision | By |
|-----|------------|-----------------------------------|-----|
| 4. | 2019-07-08 | Issued for Construction | LHT |
| 4. | 2019-06-26 | Issued for 100% Pre-Tender Review | LHT |
| 3. | 2019-05-13 | Issued for Pre-Tender Review | LHT |
| 2. | 2019-02-22 | Design Development | LHT |
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Bill and Helen Norrie Library
Project No.: 2017-082
Tender No.: 542-2019
Address: 15 Poseidon Bay, Winnipeg, MB.

Foundation Plan

Comm. No.: 1847
Sheet: **S2.1**