GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO RELEVANT LOCAL BUILDING CODES SUCH AS BCBC:2018, NBC:2020, NBC-2019 ALBERTA EDITION.

2. ALL REFERENCES TO STANDARDS SHALL REFER TO THE LATEST REVISED ISSUE.

3. THE STRUCTURAL ENGINEER ASSUMES NO RESPONSIBILITY FOR INSPECTION OF CULVERT INSTALLATION UNLESS EXPRESSLY RETAINED TO DO SO.

4. EDGES TO COME WITH 2mm CHAMFER

CONCRETE:

1) ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND CSA STANDARD CSA-A23.2:19. FOR PRECAST CONCRETE WORK REFER TO CSA-A23.4:16.

2) CONCRETE PROPERTIES:
· AGG SIZE = 20mm
· STRENGTH = 30Mpa
· W/C = 0.40
· AIR = 4-7%
· CEMENT TYPE = HS
· EXPOSURE = F-2

1) BEFORE PLACING CONCRETE, THE CONTRACTOR SHALL CHECK ALL APPLICABLE DRAWINGS FOR ANCHOR BOLTS, INSERTS, EMBEDS, RECESSES AND BLOCKOUTS. THEIR LOCATIONS SHALL BE CONFIRMED BY THE VARIOUS SUBTRADES.

2) MINIMUM CONCRETE COVER OVER REINFORCEMENT IS TO BE 40mm.

3) CONCRETE COMPRESSIVE STRENGTH SHALL BE AT LEAST 17 MPa BEFORE STRIPPING FORMS.

REINFORCING:

1) REINFORCING STEEL IS TO CONFORM TO CSA G30.12M-GRADE 400 MPa.

2) REINFORCING STEEL IS TO BE PLACED AS DETAILED TO 10mm TOLERANCE AND IS TO BE SUPPORTED BY METAL OR PLASTIC SUPPORTS AND/OR HANGERS IN ACCORDANCE WITH CAN/CSA A23.1.

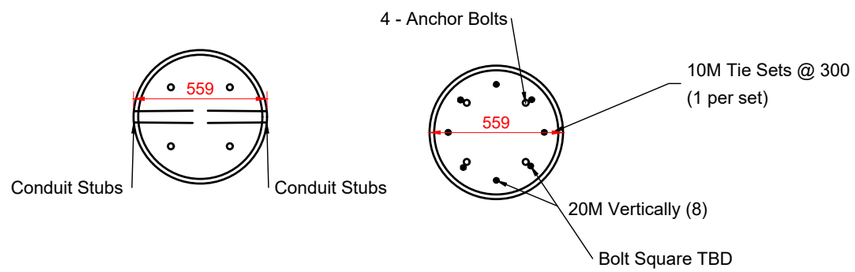
3) LAP ALL REINFORCING BAR SPLICES 32 BAR DIAMETERS MINIMUM UNLESS INDICATED OTHERWISE ON THE DRAWINGS.

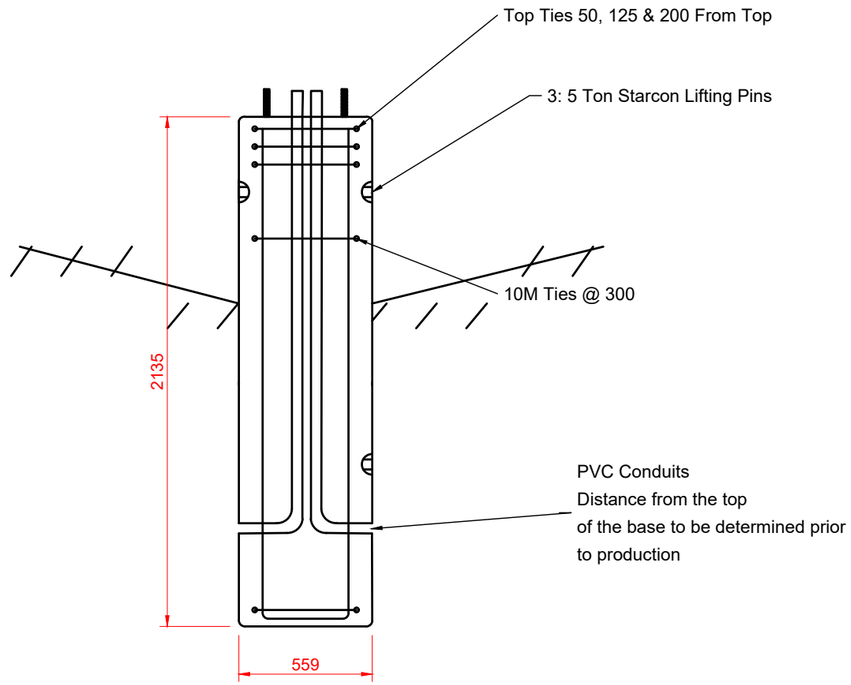
4) REINFORCING STEEL IS TO BE CLEAN, FREE OF CORROSION & UNDAMAGED.

5) DO NOT WELD BARS OR USE HEAT TO BEND REINFORCING STEEL.

GEOTECHNICAL:

· ASSUMED GEOTECHNICAL PARAMETERS FOR DESIGN AS FOLLOWS:
· SOIL UNIT WEIGHT = 25 ton/m³ (22 kN/m²)
· ASSUMED COHESIONLESS SOIL
· SOIL INTERNAL FRICTION ANGLE = 30°
· FACTORED BEARING CAPACITY = 100 kPa
· CONCRETE/SOIL FRICTION COEFFICIENT = 0.3
· MAXIMUM BACKFILL SLOPE = 15°





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PRODUCT
Electrical
DRAWING
Round Lampbase

WEIGHT

DRAWING NO.

DATE
01/01/2024

SHEET
02 of 36

UNITS / SCALE
mm / 1:25

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