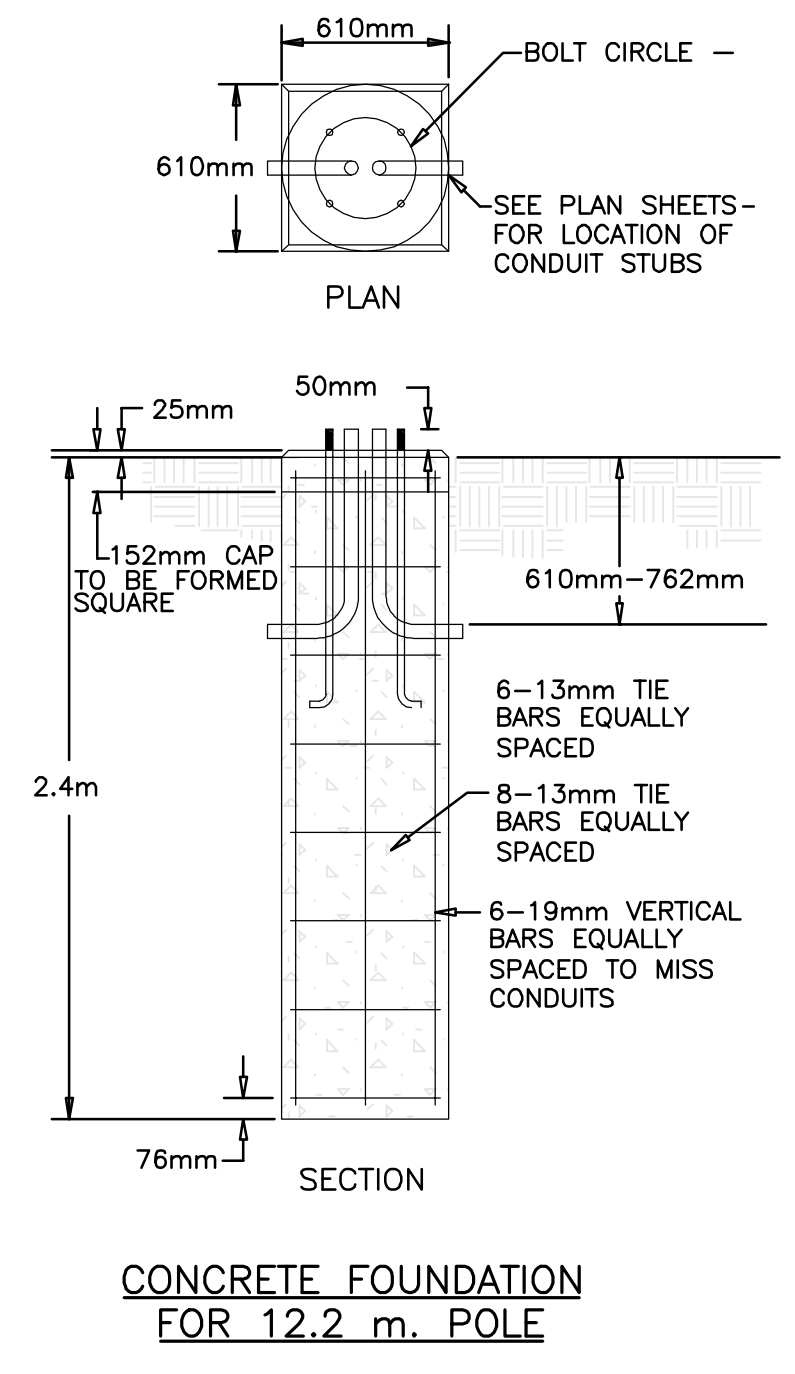
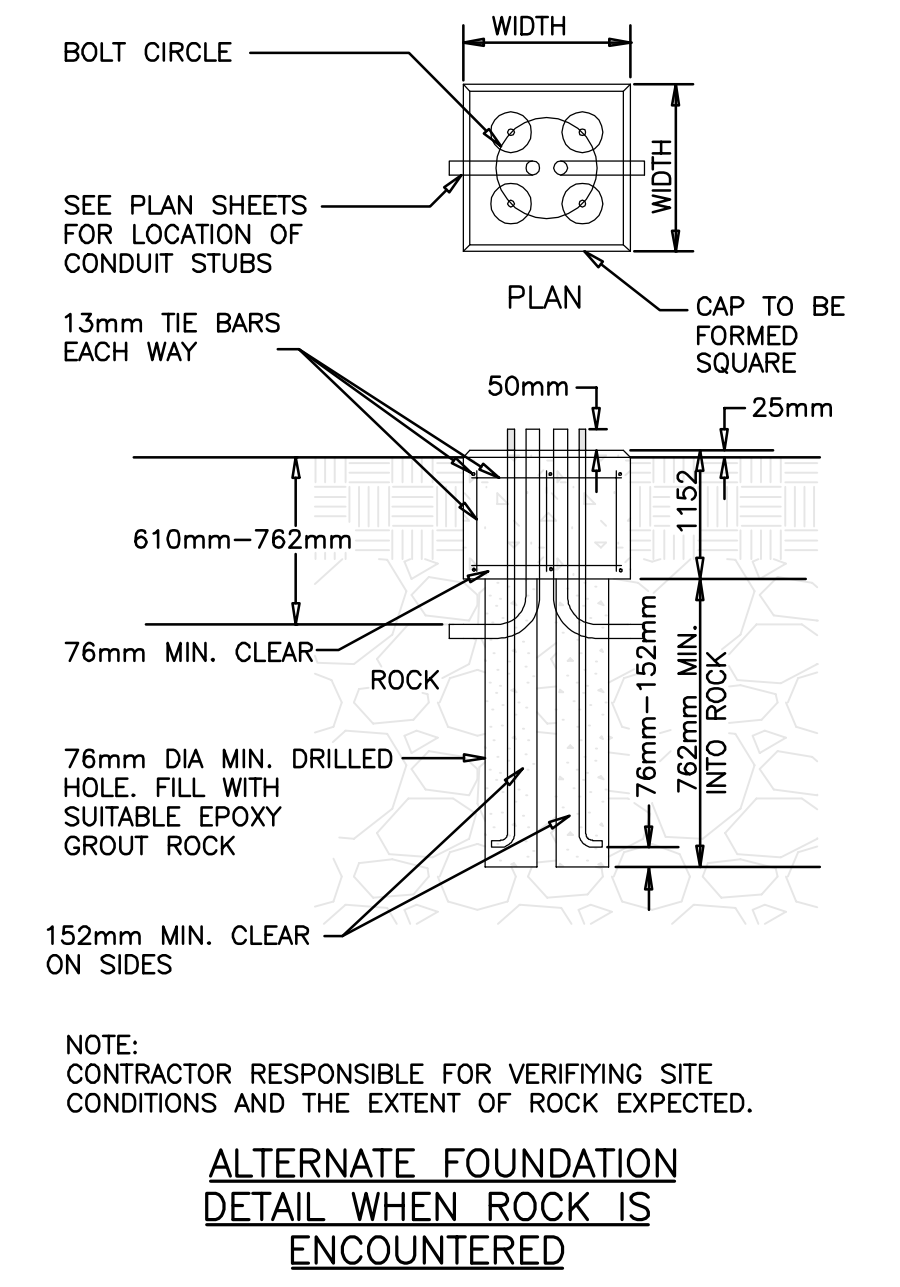


TYPE	POLE TYPE(S)	MAXIMUM TORQUE RATING (Pa)	A SHAFT DIA. (mm)	B SHAFT LENGTH (mm)	C HELIX DIA. (mm)	D PLATE SIZE (mm)	E PLATE THICKNESS (mm)	F BOLT CIRCLE (mm)	G SLOT LOCATION (mm)
R	4.3m SINGLE	718,204	152	1 219	305	254	19	241	305
T1	9.1m SINGLE ARM	718,204	152	1 524	305	305	25	267	457
T2	9.1m DOUBLE ARM	718,204	152	1 524	305	305	25	292	457
F1	12.2m SINGLE ARM	957,605	203	1 524	356	305	25	292	457
F2	12.2m DOUBLE ARM	957,605	203	1 524	356	381	32	368	457

- NOTES:
- FINISH: HOT DIP GALVANIZE PER ASTM-A153 (LATEST REVISION).
  - BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS ( $\pm 1^\circ$ ) AND HOLE AND CONCENTRIC ( $\pm 4.78$  mm I.D. FIM) TO SHAFT AXIS.
  - ALL BASES SHALL BE IDENTIFIED BY THE MANUFACTURER'S INITIALS AND THE ANCHOR TYPE (1, 2 & 3) PERMANENTLY STAMP INTO THE TOP PLATE WITH 13 mm LETTERS. THE DATE OF MANUFACTURE SHALL BE PERMANENTLY STAMPED IN 6.5 mm NUMERALS.
  - PILOT POINT AND SHAFT AXES TO BE CONCENTRIC ( $\pm 3.19$  mm FIM) AND IN LINE ( $\pm 2^\circ$ ).
  - TAP 13 mm HOLES ON THE SPECIFIED BOLT CIRCLE PERPENDICULAR TO THE BASEPLATE. CLEAN AND CHASE THE THREADS AFTER HOT-DIP GALVANIZING SO THAT A BOLT MAY BE HAND INSTALLED.
  - PREHEAT (ROOM TEMPERATURE 21°C), TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND CORE ON ALL WELD AREAS.
  - FLAMECUT IRREGULARITIES PERMISSIBLE:
    - VALLEYS NOT TO EXCEED 2.38 mm BELOW NOMINAL SURFACE LEVEL.
    - PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 0.79 mm ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
  - MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
  - ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:
    - BASEPLATE: ASTM A36-(LATEST REVISION) HOT ROLLED STEEL PLATE
    - SHAFT: STEEL PIPE PILES, SEAMLESS OR STRAIGHT WELDED, GRADE 2 PER ASTM A252. ALTERNATE MATERIAL PIPE TYPE E OR S, GRADE B PER ASTM A53.
    - HELIX: ASTM A635-(LATEST REVISION) HOT ROLLED STEEL PLATE
    - PILOT POINT: ASTM A575-(LATEST REVISION) HOT ROLLED STEEL
    - STUD: SPECIAL 25 mm DIAMETER HOT DIP GALVANIZED STUD THREADED AT BOTH ENDS. STUD SHALL INCLUDE ONE HEX NUT AND ONE EACH LOCK AND FLAT WASHER FOR THE TYPE 1 SCREW-IN FOUNDATION.
  - ALL 9.1 METER AND 12.2 METER ALUMINUM LIGHT POLES SHALL BE FURNISHED WITH PRECISION FORM PFI-200-1 BREAKAWAY COUPLING ASSEMBLIES.
  - THE DESIGN AND PERFORMANCE INTEGRITY OF THE FOUNDATION SHALL BE VERIFIED BY FULL-SCALE TESTS BY QUALIFIED ENGINEERS INDEPENDENT OF THE MANUFACTURER. CERTIFIED TEST REPORTS SHALL BE PROVIDED UPON REQUEST.
  - FLAME CUT NOTCH OR PROJECTION WILL BE ON BASE PLATE TO INDICATE SLOT ORIENTATION.

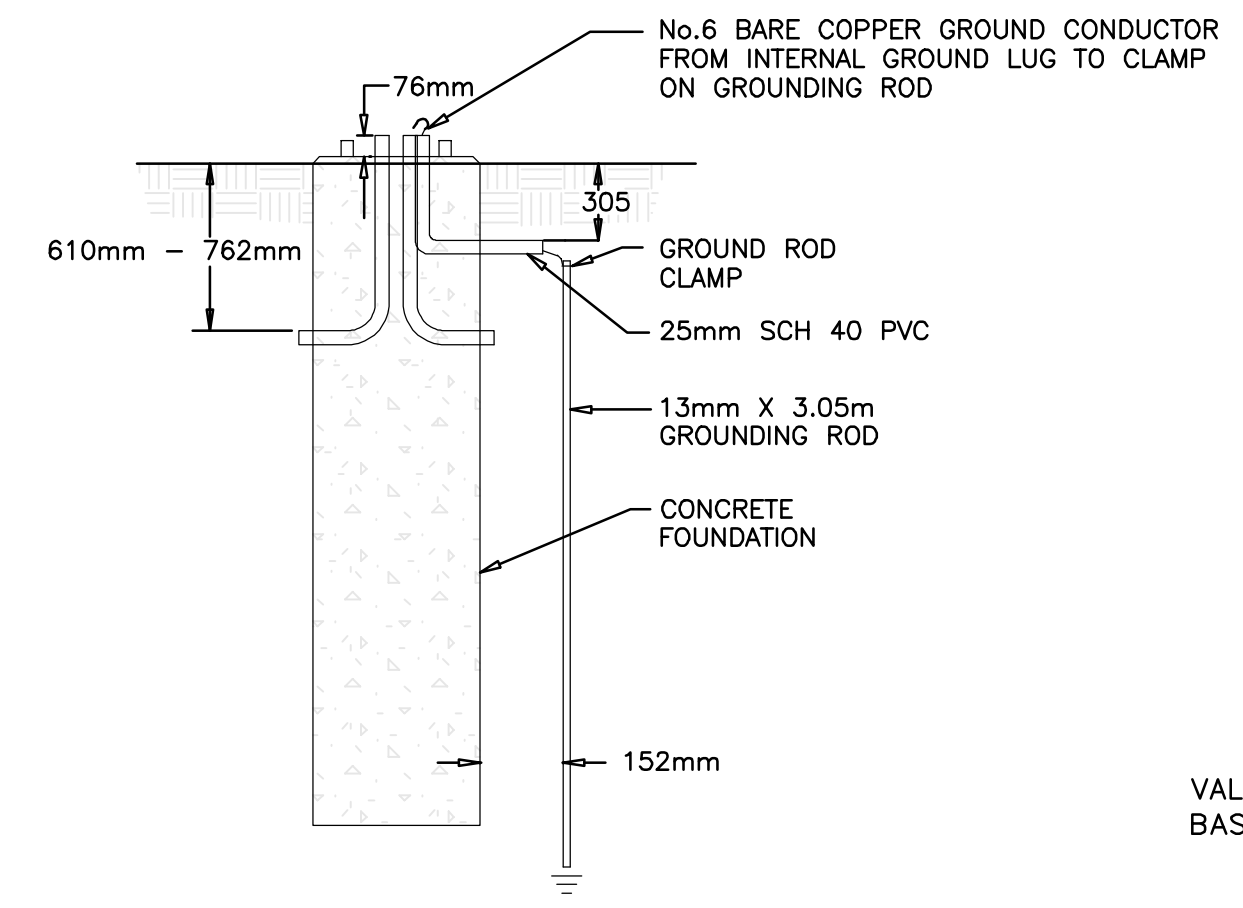


CONCRETE FOUNDATION FOR 12.2 m. POLE



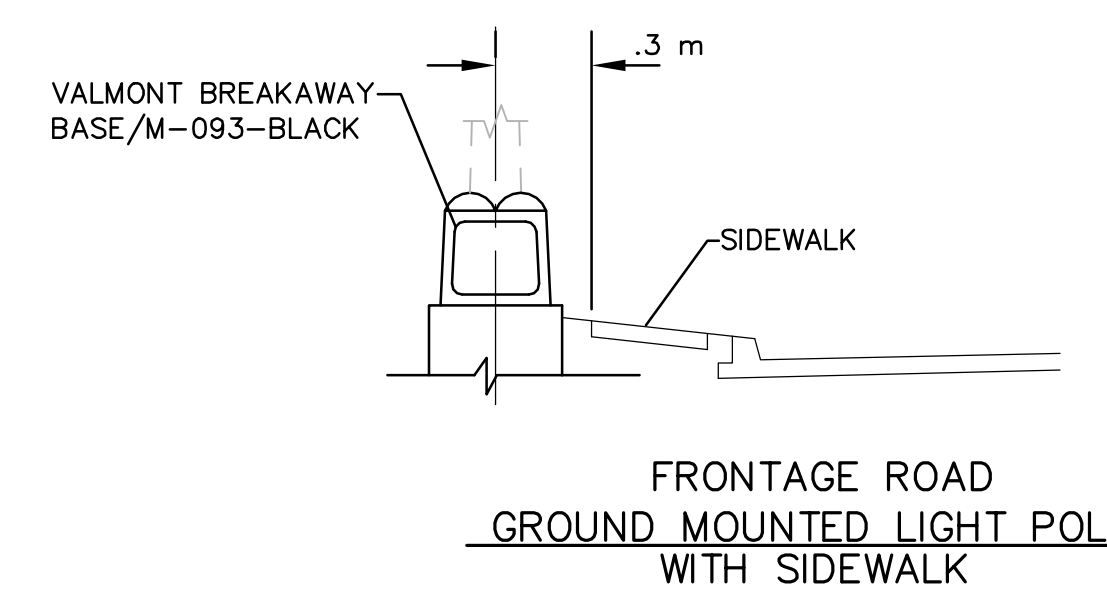
ALTERNATE FOUNDATION DETAIL WHEN ROCK IS ENCOUNTERED

CONCRETE FOUNDATION DETAILS



LIGHT POLE GROUNDING DETAIL INCLUDED W/ CONCRETE FOUNDATION

- NOTES:
- LIGHT POLE FOUNDATIONS FOR LIGHT POLES ALONG THE NORTH FRONTAGE ROAD SHALL BE TYPE F1.
  - THE CONTRACTOR SHALL CONFIRM LIGHT POLE FOUNDATION TYPE AND DETAILS WITH THE ENGINEER AND WESTAR ENERGY BEFORE ORDERING EQUIPMENT.



FRONTAGE ROAD GROUND MOUNTED LIGHT POLE WITH SIDEWALK

DATE	
BY	
REFERENCE NOTED	
REFERENCE CHECKED	

SCALE  
Plotted:  
Drawn by: M224  
File: M224

