

FIG. 1
ALUMINUM BASE ON A LEVEL SURFACE
FOR KIOSK AND SWITCHGEAR (SEE NOTE 3)

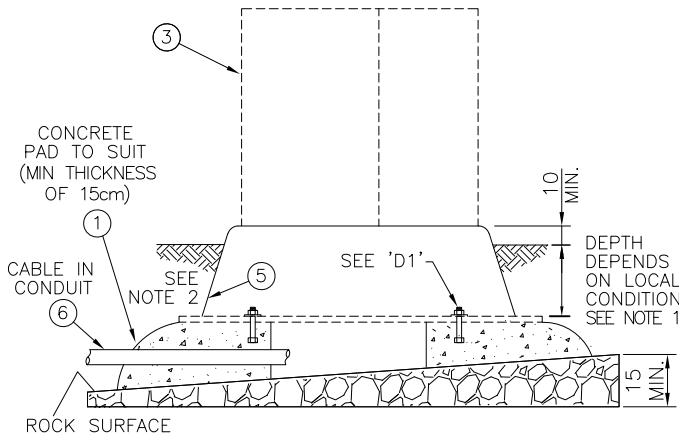
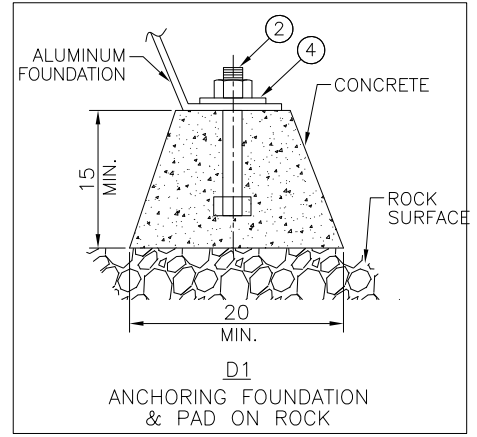


FIG. 2
ALUMINUM BASE INSTALLED ON
CONCRETE PAD ON UNEVEN
SURFACE AND/OR AREAS OF
MINIMAL OVERBURDEN
(SEE NOTE 3)



NOTES:

1. BASE COVERAGE WILL VARY BASED ON LOCAL CONDITIONS. ALTHOUGH NOT PREFERRED, ZERO COVERAGE IS ACCEPTABLE IF NO OVERBURDEN IS AVAILABLE.
2. A CONCRETE PAD WITH MINIMUM STRENGTH OF 20MPA AFTER 28 DAYS SHALL BE INSTALLED DIRECTLY ON BEDROCK WHERE OVERBURDEN IS SHALLOW (LESS THAN 30cm DEEP). THE PAD MUST BE LEVEL TO ADJUST FOR THE BEDROCK'S UNEVEN SURFACE.
3. CONCRETE PAD TO BE INSTALLED PER FIG.2 AND THE EQUIPMENT'S ASSOCIATED SECTION 4 (800 SERIES DRAWING). KIOSK AND SWITCH GEAR CAN BE INSTALLED AS PER FIG.1 PROVIDED THAT A LEVEL SURFACE IS AVAILABLE. ALL TRANSFORMERS SHALL BE INSTALLED ON A CONCRETE LEVELING PAD PER FIG.2.
4. FOR DEEP SOIL ON ISLAND SUBCABLE APPLICATION, SET CONCRETE PAD ON 15cm THICK LAYER OF COMPACTED GRANULAR "A" (GRAVEL).
5. IF MECHANICAL PROTECTION OF CABLE IS REQUIRED, CABLE SHOULD BE INSTALLED IN CONDUIT, AND COVERED BY A MINIMUM THICKNESS OF CONCRETE OF 7.5cm WITH A MINIMUM STRENGTH OF 20 MPA AFTER 28 DAYS C/W AIR ENTRAINMENT. MAXIMUM AGGREGATE SIZE OF 20cm.
6. THE CONDUIT TRENCH UNDER THE FOUNDATION SHOULD BE KEPT AS NARROW AS PRACTICAL TO MAXIMIZE SOIL STABILITY (MINIMIZE SOIL DISTURBANCE).
7. THE ALUMINUM BASE SHALL BE ANCHORED TO THE CONCRETE PAD. SEE 'D1' FOR DETAILS.

PARTS LIST

PART No.	MM No.	DESCRIPTION	QTY.
1	30035711	QUICK SETTING CONCRETE	A/R
2	30014824	BOLT, HEX HEAD, GALV. GR5., 1/2" x 4-1/2"	4
3	MM#	PAD-MOUNTED EQUIPMENT	1
4	MM#	WASHER, LOCK, HELICAL SPRING, 1/2" BOLT	4
5	MM#	ALUMINUM BASE	1
6	MM#	CONDUIT, SCHEDULE 40 PVC	A/R

MM#=REFER TO SECTION 16 ONLY | A/R=AS REQUIRED

ALL DIMENSIONS ARE IN CENTIMETRES
UNLESS STATED OTHERWISE

01	SEPT 2023	ORIGINAL DU-09-701-R0 IS NOW SUPERSEDED BY THIS NEW DRAWING/REVISION. CHANGED SECTION 4. GENERAL UPDATES. CHANGED TO NEW DWG. AND NUMBERING FORMAT. CHANGED PART LIST #6. UPDATED NOTES 2, 3, 4 AND 5. ADDED NOTE 7.	PC	MM	XZ	MM
Rev No.	Date	Revision Particulars	dwn	ckd	des	app

Drawn By: PC	Checked By: M.MATEVSKI	Designed By: X.ZHANG	Design Approved By: M.MATEVSKI P.Eng.
Scale: N.T.S.	Date: (yyyy/mm/dd) 2020/07/28	Pole ID:	



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Title:
PAD-MOUNTED EQUIPMENT
INSTALLATION IN EARTH OR ON ROCK
ALUMINUM BASE

Drawing No.
DU4-904-0500

Rev. No.
01

TITLE BLOCK REV 02 - AUGUST 2014

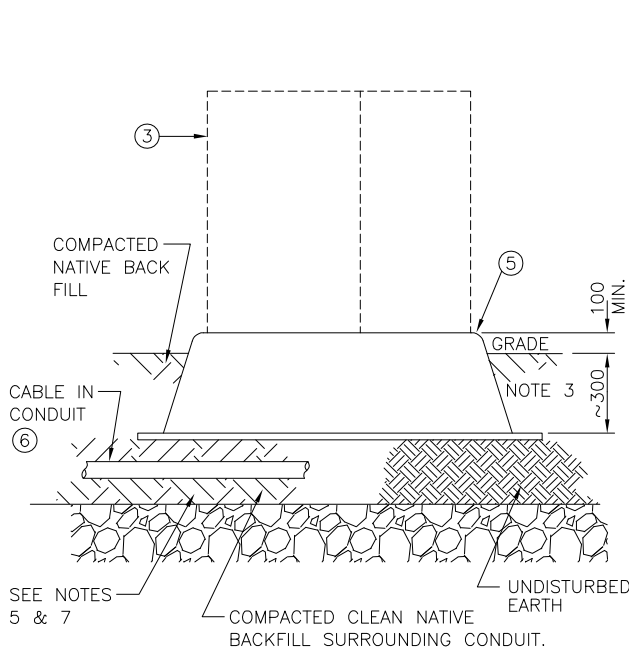
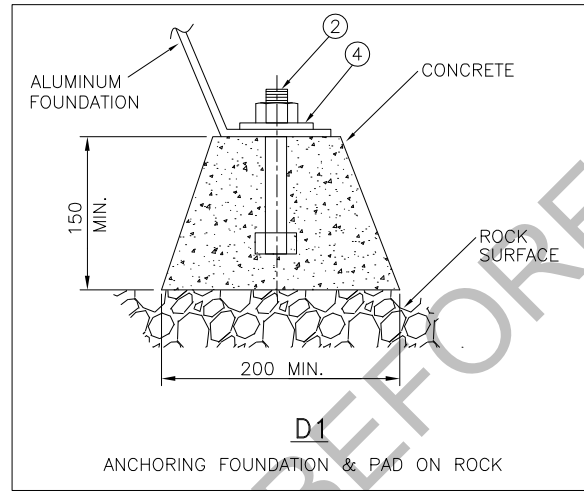


FIG. 1
ALUMINUM BASE ON EARTH



D1
ANCHORING FOUNDATION & PAD ON ROCK

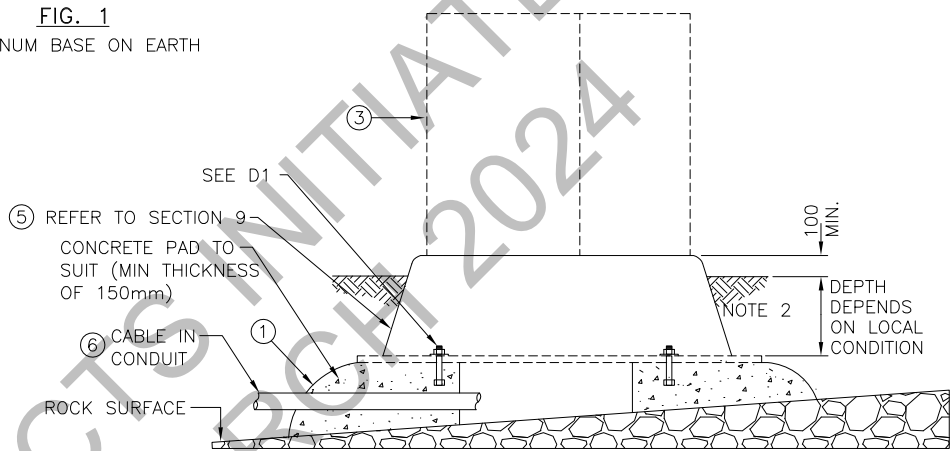


FIG. 2
ALUMINUM BASE INSTALLED ON CONCRETE PAD ON UNEVEN GROUND AND/OR AREAS OF MINIMAL OVERBURDEN

NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS STATED OTHERWISE.
2. BASE COVERAGE WILL VARY BASED ON LOCAL CONDITIONS. ALTHOUGH NOT PREFERRED, ZERO COVERAGE IS ACCEPTABLE IF NO OVERBURDEN IS AVAILABLE.
3. IF EARTH OVERBURDEN IS LESS THAN 300mm DEEP, ANCHOR BASE AND CONCRETE LEVELING PAD ON ROCK SURFACE – SEE D1.
4. CABLES INSTALLED IN PVC DUCT.
5. 150mm THICK LAYER OF COMPACTED GRANULAR "A" (GRAVEL) SHALL BE PROVIDED UNDER BASE FOR LEVELING AND STABILITY IF REQUIRED.
6. IF MECHANICAL PROTECTION OF SUBMARINE CABLE FROM WATER'S EDGE TO POLE OR TRANSFORMER IS REQUIRED, CABLE SHOULD BE COVERED BY A MINIMUM THICKNESS OF CONCRETE OF 75mm WITH A MINIMUM STRENGTH OF 20 MPA AFTER 28 DAYS C/W AIR ENTRAINMENT. (IF CONCRETE TO BE BURIED, AIR IS NOT NEEDED). MAXIMUM AGGREGATE SIZE OF 20mm.
7. THE CONDUIT TRENCH UNDER THE FOUNDATION SHOULD BE KEPT AS NARROW AS PRACTICAL TO MAXIMIZE SOIL STABILITY (MINIMIZE SOIL DISTURBANCE).

REFERENCES:

- SECTION 1 DEFINITIONS
- SECTION 6C CONSTRUCTION GUIDE
- SECTION 9 FOUNDATIONS
- SECTION 16 MATERIALS LIST

PARTS LIST

PART No.	MM No.	DESCRIPTION	QTY.
1	-	CONCRETE LEVELING PAD	A/R
2	30014824	BOLT, HEX HEAD, GALV. GR5, 1/2" x 4-1/2"	4
3	MM#	PAD-MOUNTED EQUIPMENT	1
4	MM#	WASHER, LOCK, HELICAL SPRING, 1/2" BOLT	4
5	MM#	ALUMINUM BASE	1
6	MM#	CONDUIT, SCHEDULE 40 PVC	A/R

MM# = REFER TO SECTION 16 ONLY | A/R = AS REQUIRED

NOTE: THE DRAWING SUPERSEDES DU-06-302

Drawn By: PC	Checked By: A.SAVOIE	Designed By: A.SAVOIE	Design Approved By: R.KAMRANPOOR
Scale: N.T.S.	Date: (yyyy/mm/dd) 2016/03/04	Pole ID:	

Rev No.	Date	Revision Particulars	dwn	ckd	des	app



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INSTALLATION IN EARTH OR ON ROCK
ALUMINUM BASE

Drawing No.
DU-09-701-0500

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