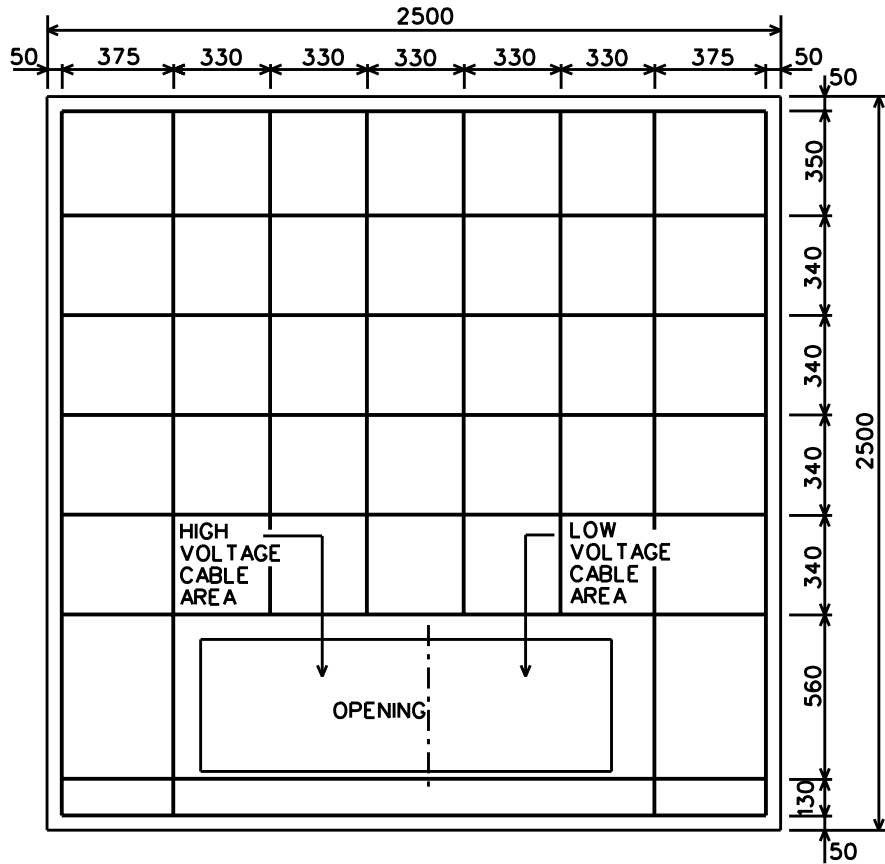
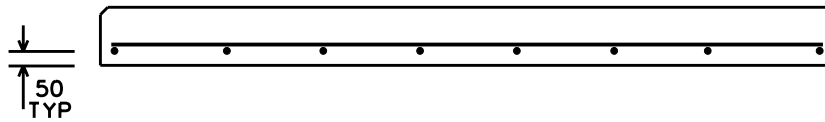


INDEX FOR UNDERGROUND STANDARD DRAWINGS

DWG. No.	PG. No.	DRAWING TITLE
	..... 1	INDEX FOR UNDERGROUND STANDARD DRAWINGS
E-85-139	..... 2	CONCRETE PAD REINFORCING DETAILS 3PH PADMOUNTED 1000kVA - 1500kVA
E-85-140	..... 3	CONCRETE PAD 3PH PADMOUNTED TRANSFORMER 1000kVA - 1500kVA
E-85-141	..... 4	CONCRETE PAD REINFORCING DETAILS 3PH PADMOUNTED 112kVA - 750kVA
E-85-142	..... 5	CONCRETE PAD 3PH PADMOUNTED TRANSFORMER 112kVA - 750kVA
E-85-143	..... 6	GROUNDING DETAILS FOR PADMOUNTED TRANSFORMER
E-85-144	..... 7	PADMOUNT TRANSFORMER CONCRETE PROTECTIVE POSTS
E-87-236	..... 8	CONCRETE PAD REINFORCING DETAILS 1PH UP TO 167kVA
E-87-237	..... 9	CONCRETE PAD DETAIL 1PH TO 167kVA
E-88-145	..... 10	THREE PHASE UNDERGROUND RISER POLE DETAIL
E-88-290	..... 11	REGULATOR PAD CONSTRUCTION DETAILS
E-88-296	..... 12	STANDARD TRENCHING DETAILS
E-88-297	..... 13	JOINT USE TRENCHING DETAILS
E-89-59	..... 14	RECLOSER PAD DETAILS
E-90-03	..... 15	PADMOUNT TRANSFORMER LOCATION DETAILS
E-95-01	..... 16	TRANCLOSURE PAD DETAILS
E-95-02	..... 17	TRANCLOSURE PAD REINFORCING DETAILS
E-95-03	..... 18	TRANCLOSURE PAD GROUNDING DETAILS
E-97-02	..... 19	CONCRETE PAD 3PH PADMOUNTED TRANSFORMER 3000kVA
E-97-03	..... 20	CONCRETE PAD REINFORCING DETAILS 3PH PADMOUNTED 3000kVA
E-98-03	..... 21	SINGLE PHASE UNDERGROUND RISER POLE DETAIL
E-99-01	..... 22	GRADE LEVEL ENCLOSURES INSTALLATION IN GRASS, DIRT OR GRAVEL
E-99-02	..... 23	GRADE LEVEL ENCLOSURES INSTALLATION IN CONCRETE AND PAVEMENT
E-03-04	..... 24	SECONDARY ABOVE GRADE PEDESTAL
UG-91-01	..... 25	PROPOSED LOCATION OF CABLEVISION ACCESSORIES
UG-92-01	..... 26	UNDERGROUND CLEARANCES AT DITCHES IN R.O.W.



REINFORCING PLAN



SECTION

BAR LIST

SIZE	LENGTH	PCS.
15	2400	8
15	1710	4
15	2400	4
	LIFT HOOK	1

NOTES:

1. REINFORCING 50 KSI YIELD.
2. ALL MEASUREMENTS ARE IN MILLIMETERS
3. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.

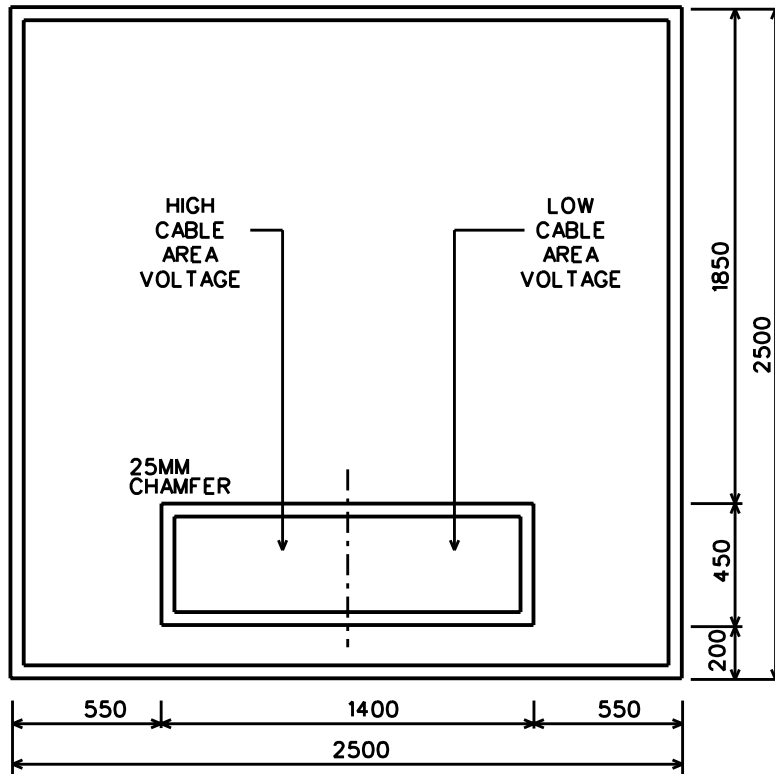


MARITIME ELECTRIC COMPANY, LIMITED

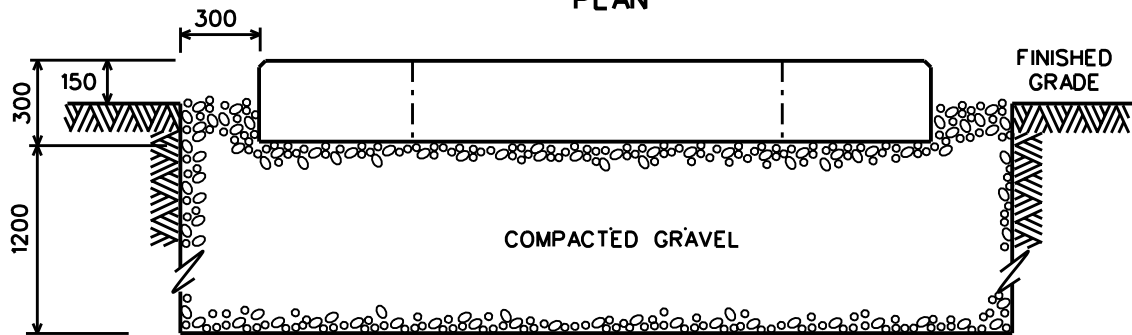
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

CONCRETE PAD
 REINFORCING DETAILS
 3Ø PADMOUNTED 1000KVA - 1500KVA

DATE : OCT. 22, '96
 REVISED : JULY 11, '00
 DWG. No. : E-85-139



PLAN



ELEVATION

NOTES:

1. CONCRETE - 25 MPa @ 28 DAYS
2. CONCRETE 1.70 CU. METERS
3. REBAR - 72.68kg
4. REFER TO DWG. E-85-139 FOR REINFORCING DETAILS.
5. REFER TO DWG. E-85-143 FOR GROUNDING DETAILS.
6. ALL DIMENSIONS IN MILLIMETERS.
7. CONDUITS TO BE INSTALLED 50MM ABOVE TRANSFORMER PAD.
8. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
9. A 1200MM FLAT AREA MUST BE PROVIDED IN FRONT OF TRANSFORMER PAD.

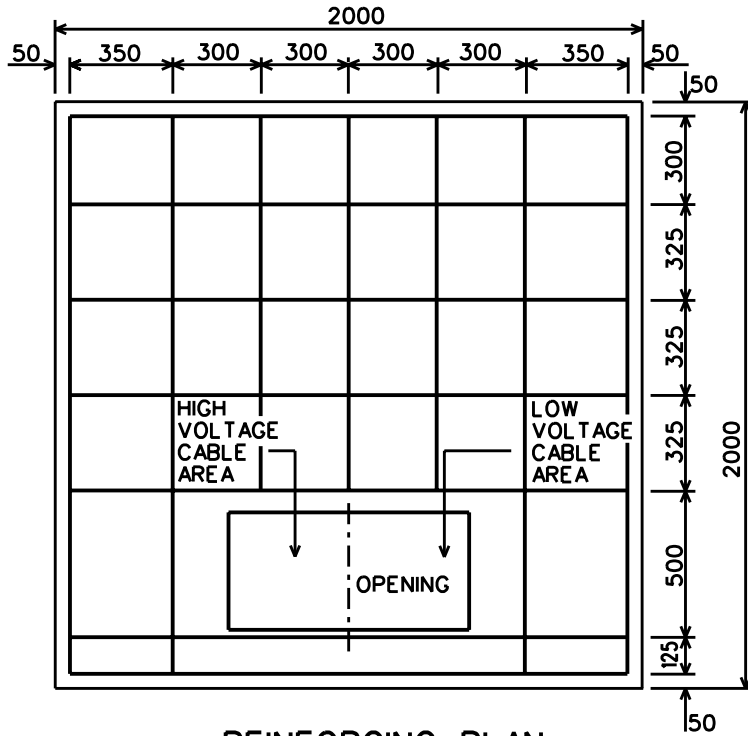


MARITIME ELECTRIC COMPANY, LIMITED

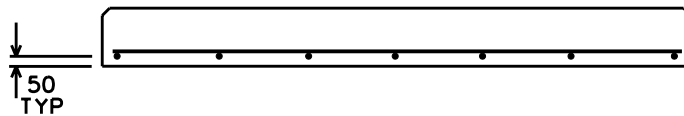
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

CONCRETE PAD
 3Ø PADMOUNTED TRANSFORMER
 1000KVA - 1500KVA

DATE : OCT. 22, '96
 REVISED : APR. 25, '03
 DWG. No. : E-85-140



REINFORCING PLAN



SECTION

NOTES:

1. REINFORCING 50 KSI YIELD.
2. ALL MEASUREMENTS ARE IN MILLIMETERS
3. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.

SIZE	LENGTH	PCS.
15	1900	11
15	1275	3

BAR LIST

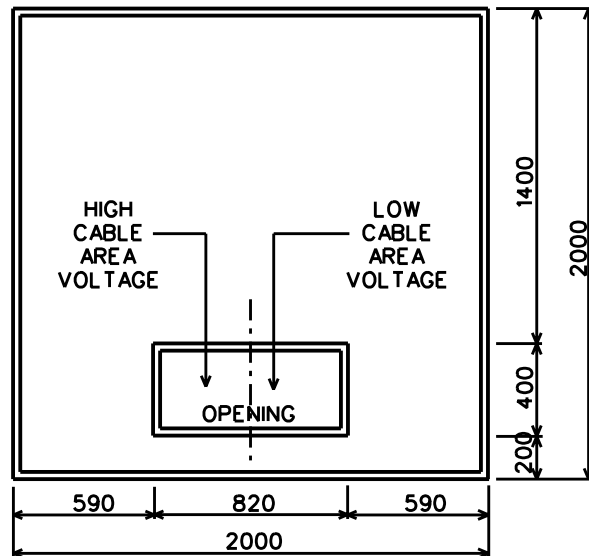


MARITIME ELECTRIC COMPANY, LIMITED

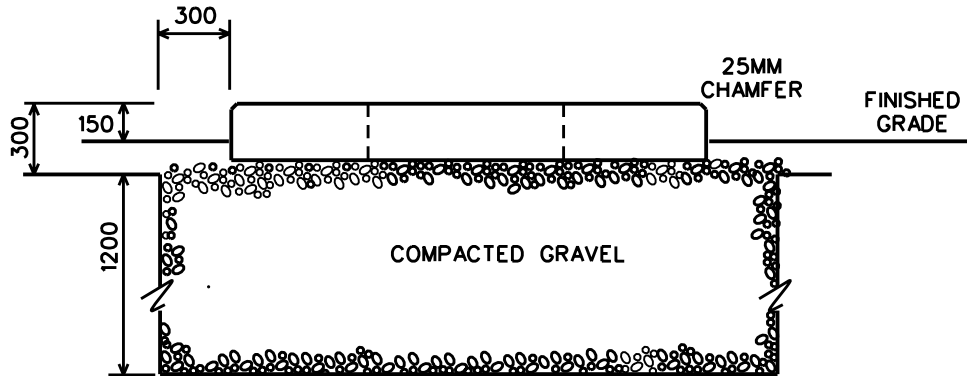
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

CONCRETE PAD
 REINFORCING DETAILS
 3Ø PADMOUNTED 112KVA - 750KVA

DATE : OCT. 22, '96
 REVISED : JULY 11, '00
 DWG. No. : E-85-141



PLAN VIEW



ELEVATION

NOTES:

1. CONCRETE - 25 MPa @ 28 DAYS
2. CONCRETE 1.1 CU. METERS
3. REBAR - 52kg
4. REFER TO DWG. E-85-141 FOR REINFORCING DETAILS.
5. REFER TO DWG. E-85-143 FOR GROUNDING DETAILS.
6. ALL DIMENSIONS IN MILLIMETERS.
7. CONDUITS TO BE INSTALLED 50MM ABOVE TRANSFORMER PAD.
8. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
9. A 1200MM FLAT AREA MUST BE PROVIDED IN FRONT OF TRANSFORMER PAD.
10. ALL SECONDARY DUCTS TO BE LABELED WITH WEATHER PROOF TAG INDICATING THE CIVIC *S OR TAP BOX THEY FEED.

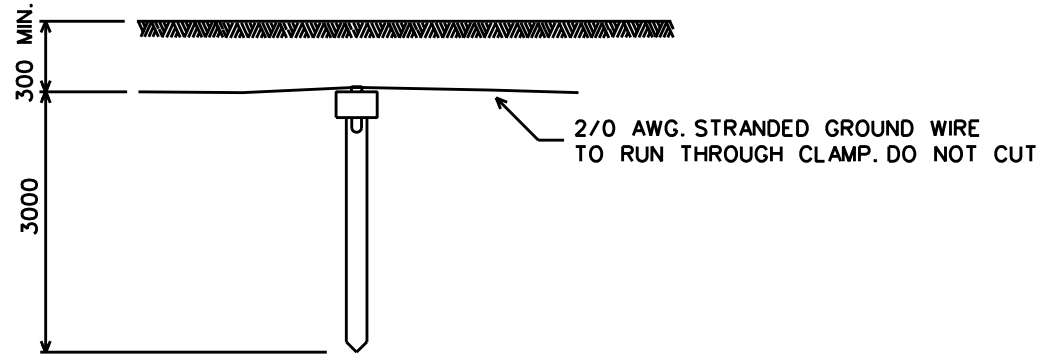
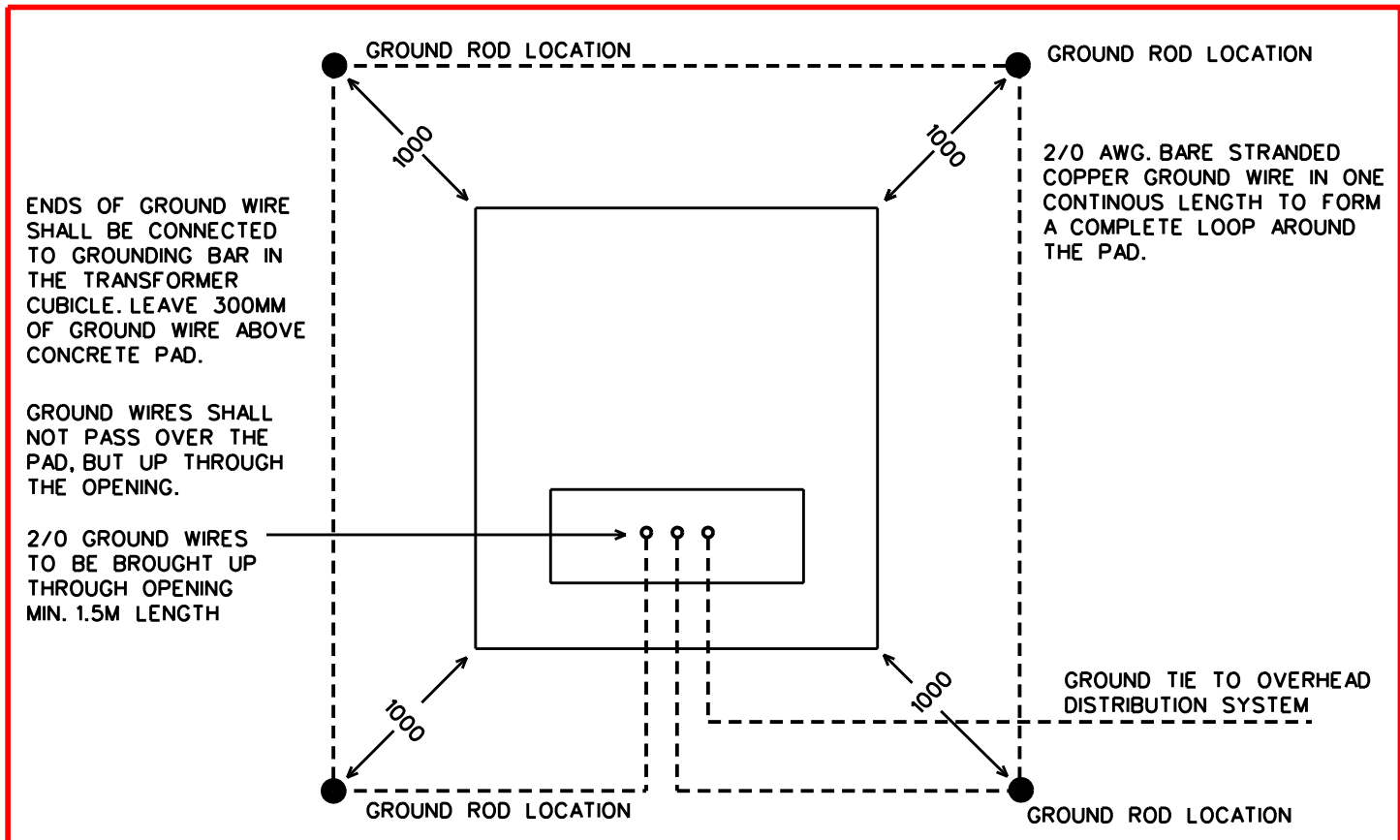


MARITIME ELECTRIC COMPANY, LIMITED

SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

3Ø CONCRETE PAD
 PADMOUNTED TRANSFORMER
 112KVA - 750KVA

DATE : OCT. 21, '96
 REVISED : APR. 25, '03
 DWG. No. : E-85-142



GROUND ROD AND CONNECTOR DETAIL

NOTES:

1. GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 10 OF THE LATEST CANADIAN ELECTRICAL CODE PART 1.
2. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.
3. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
4. A ROD ELECTRODE OR PLATE ELECTRODE MAYBE USED FOR GROUNDING.

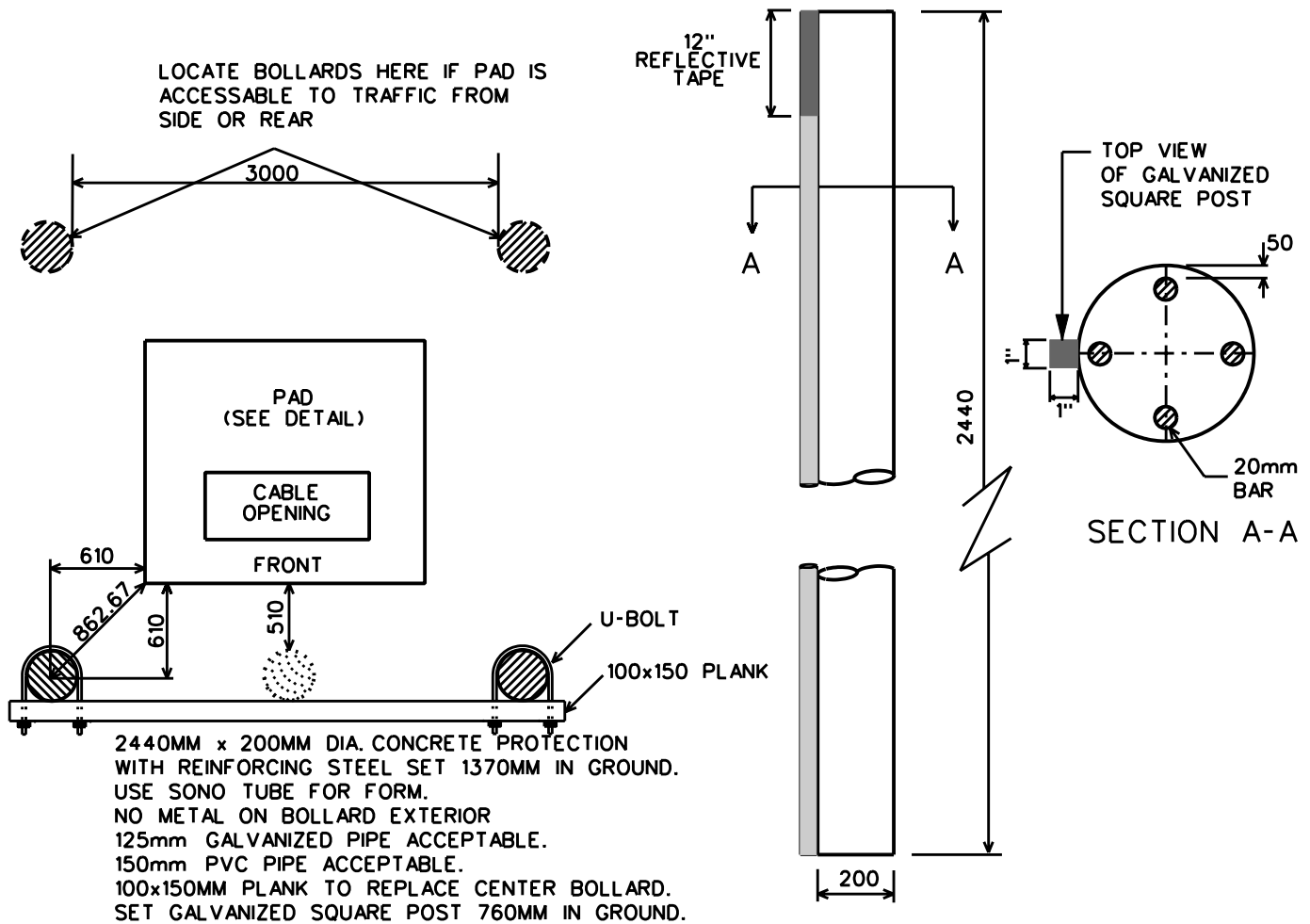


MARITIME ELECTRIC COMPANY, LIMITED

SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

GROUNDING DETAILS FOR
 PAD MOUNTED TRANSFORMER

DATE : JUNE 22, '87
 REVISED : JAN. 20, '03
 DWG. No. : E-85-143



CONCRETE 25MPa @ 28 DAYS

NOTES:

1. ORIENTATION OF PAD MUST ALLOW 3660MM CLEAR IN FRONT OF PAD FOR OPERATION.
2. THE TRANSFORMER SHALL BE INSTALLED AT LEAST 3M FROM ANY COMBUSTIBLE SURFACE OR MATERIAL ON A BUILDING AND SHALL BE INSTALLED AT LEAST 6M FROM ANY WINDOW, DOOR OR VENTILATION OPENING ON A BUILDING. IF THESE CLEARANCES CANNOT BE MET AN APPROVED CONCRETE RETAINING WALL MUST BE PROVIDED.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
4. CONTRACTOR IS RESPONSIBLE TO REMOVE SONO TUBES AND PAINT BOLLARDS WITH APPROVED PAINT.
5. A THIRD BOLLARD SHALL BE INSTALLED IN FRONT OF THE PAD, WHEN REQUESTED BY THE CONSTRUCTION INSPECTOR, IF A VEHICLE CAN PASS THROUGH THE TWO CORNER BOLLARDS.
6. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
7. INSTALL SQUARE POST 1"x 1"x 8' GALVANIZED 14 GAUGE WITH 12" OF REFLECTIVE TAPE ON TOP OF POST.
8. INSTALL ONE(1) POST FOR EACH BOLLARD.

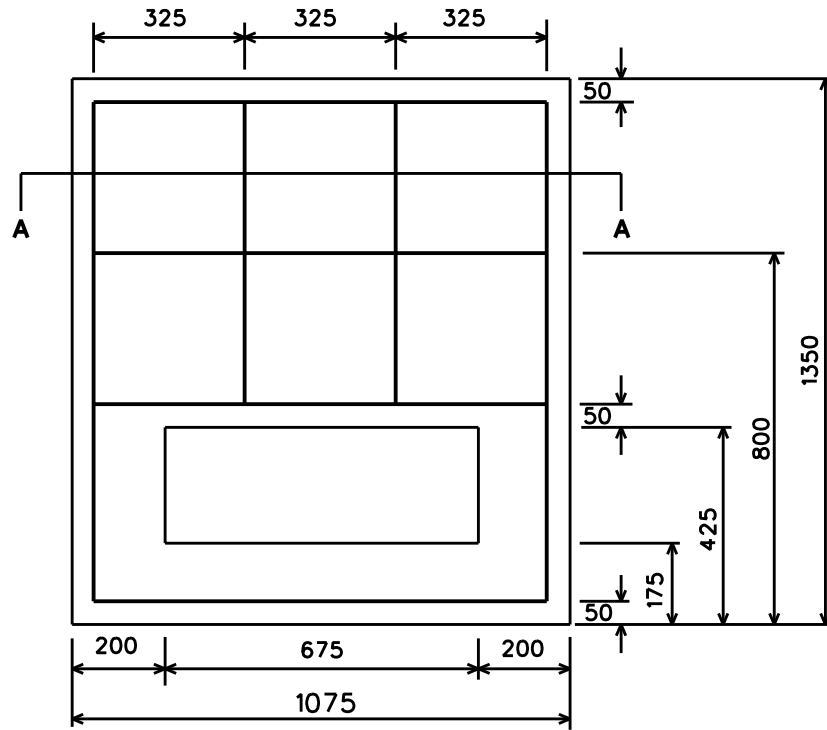
MARITIME
ELECTRIC
A FORTIS COMPANY

MARITIME ELECTRIC COMPANY, LIMITED

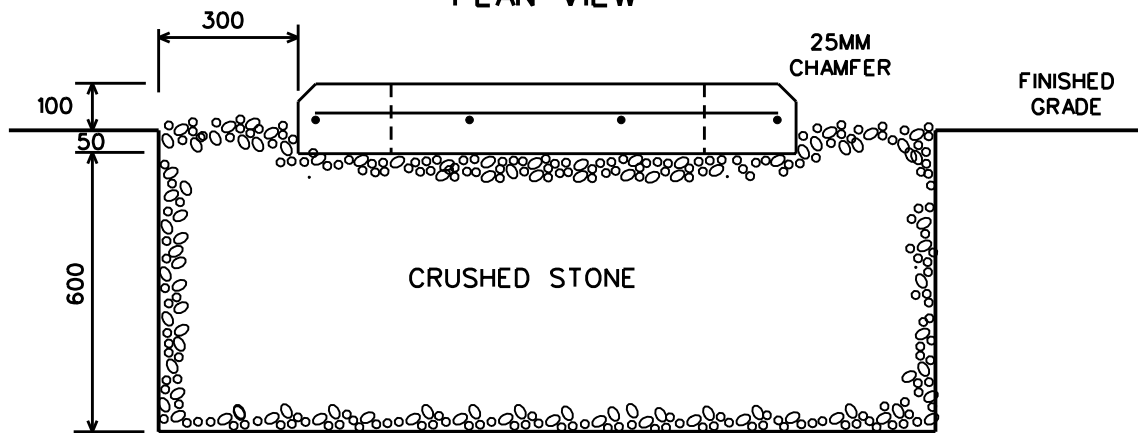
SCALE : N.T.S.
DRAWN : J.E.B.
CHECKED :
APPROVED:

**PAD MOUNT TRANSFORMER
CONCRETE PROTECTIVE POSTS**

DATE : JUNE 22, '87
REVISED : AUG. 12 '02
DWG. No. : E-85-144



PLAN VIEW



SECTION A - A

NOTES:

1. ALL BARS 15M
 STEEL $f_y = 350 \text{ MPa}$
 CONCRETE $f'_c = 25 \text{ MPa @ 28 DAYS}$
 CONCRETE 0.16 CU. METERS
2. MAXIMUM AGGREGATE - 25MM
3. ALL DIMENSIONS IN MILLIMETERS.
4. MINIMUM COVER - 50MM TYPICAL
5. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL,
 PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.

BAR LIST

SIZE	LENGTH	PCS.
15	1075	2
15	975	4
15	650	2
	LIFT HOOK	1

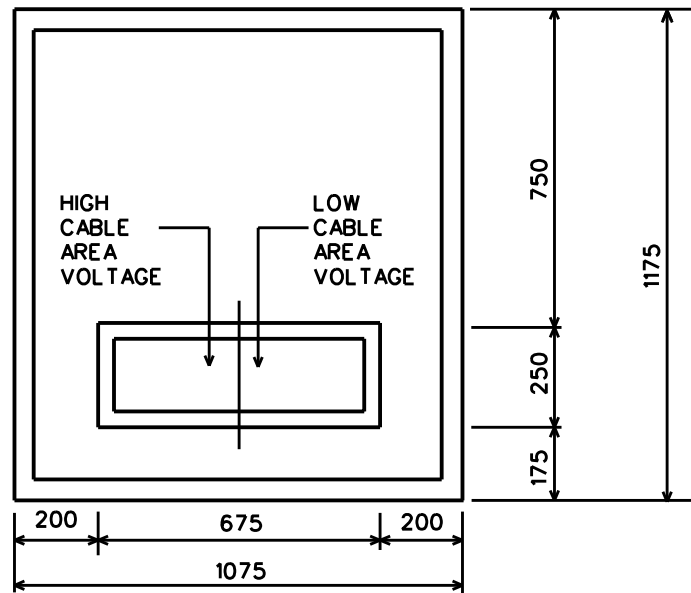


MARITIME ELECTRIC COMPANY, LIMITED

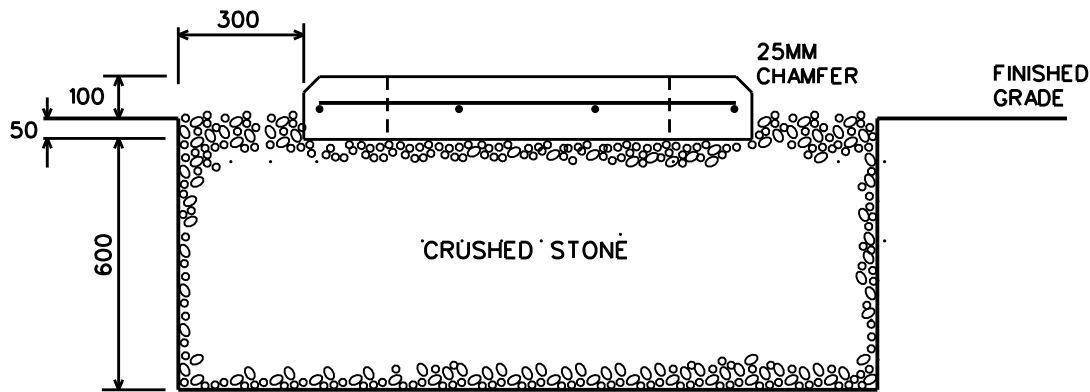
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

CONCRETE PAD
 REINFORCEMENT DETAILS
 SINGLE PHASE UP TO 167 KVA

DATE : JUNE 22, '87
 REVISED : JUNE 07, '01
 DWG. No. : E-87-236



PLAN VIEW



ELEVATION

NOTES:

1. CONCRETE - 25 MPa @ 28 DAYS
2. CONCRETE 0.16 CU. METERS
3. REFER TO DWG. E-87-236 FOR REINFORCING DETAILS.
4. REFER TO DWG. E-85-237 FOR GROUNDING DETAILS.
5. ALL DIMENSIONS IN MILLIMETERS.
6. CONDUITS TO BE INSTALLED 50MM ABOVE TRANSFORMER PAD.
7. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
8. A 1200MM FLAT AREA MUST BE PROVIDED IN FRONT OF TRANSFORMER PAD.
9. ALL SECONDARY DUCTS TO BE LABELED WITH WEATHER PROOF TAG INDICATING THE CIVIC *S OR TAP BOX THEY FEED.

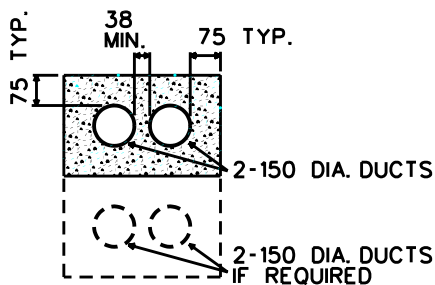
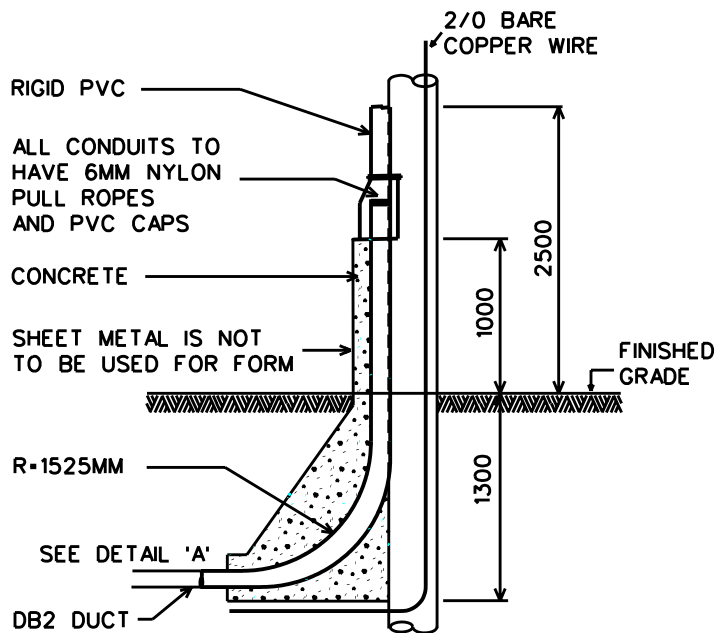


MARITIME ELECTRIC COMPANY, LIMITED

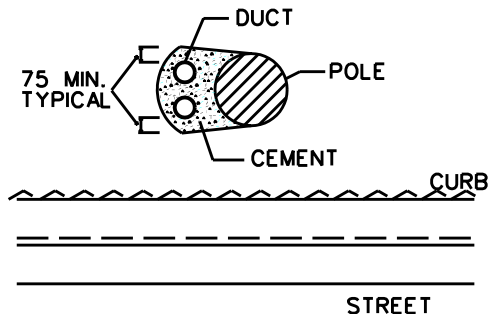
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

CONCRETE PAD DETAIL
 SINGLE PHASE
 TO 167 KVA

DATE : JUNE 22, '87
 REVISED : APR. 25, '03
 DWG. No. : E-87-237



DETAIL 'A'



PREFERRED DUCT LOCATION
KEEP DUCT AWAY FROM TRAFFIC

NOTES:

1. CONDUITS TO EXTEND A MINIMUM OF 2.5M ABOVE GRADE ON NON-JOINT USE POLES. ON JOINT USE POLES, THE CONDUIT MUST RUN 1.0M ABOVE THE COMMUNICATION PLANT. THE GROUNDING AND NEUTRAL MUST BE THE SAME.
2. ALL MATERIALS TO BE PROVIDED BY CONTRACTOR.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
4. CONTRACTOR TO PROVIDE A MINIMUM OF 24 HRS. WRITTEN NOTICE TO MECL CONSTRUCTION INSPECTOR PRIOR TO SCHEDULED BACKFILLING OF WORKS. BACKFILLING NOT PERMITTED UNTIL APPROVED BY MECL.

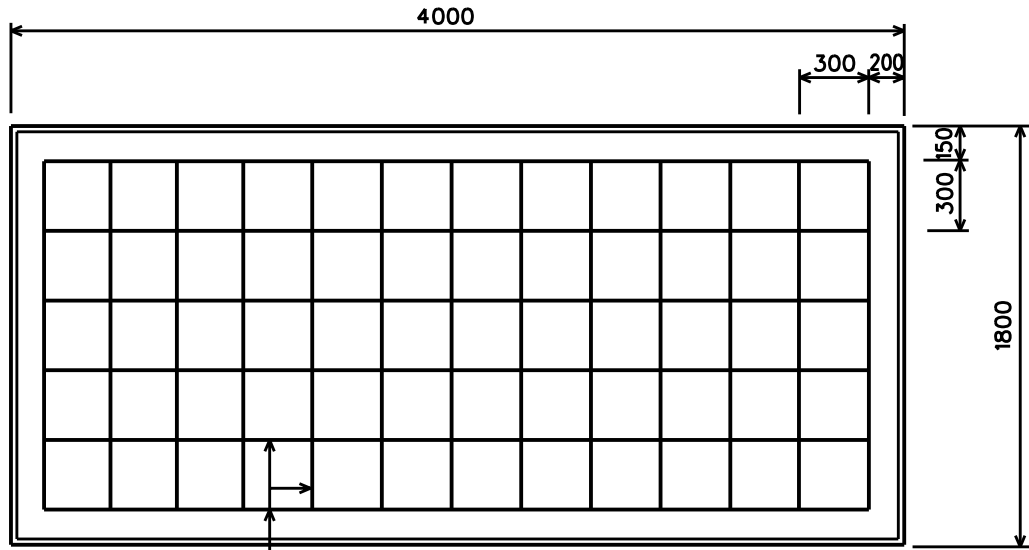


MARITIME ELECTRIC COMPANY, LIMITED

SCALE : N.T.S.
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 CHECKED :
 APPROVED:

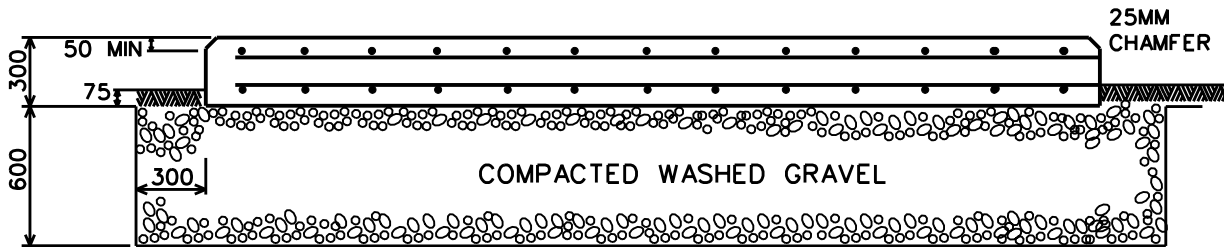
THREE PHASE UNDERGROUND
 RISER POLE DETAIL

DATE : AUG. 25, '88
 REVISED : NOV. 28, '00
 DWG. No. : E-88-145



20MM REINFORCING ROD
300MM CENTRES, BOTH
WAYS, TOP AND BOTTOM

PLAN VIEW



ELEVATION

NOTES:

1. 32 MPA CONCRETE TO BE USED.
2. MIN. 50MM OF CONCRETE OVER TOP ROW OF REBAR.
3. ALL DIMENSIONS IN MILLIMETERS.
4. WASHED GRAVEL TO BE NO GREATER THAN 35MM (1") OR NO LESS THAN 15MM (1/2").

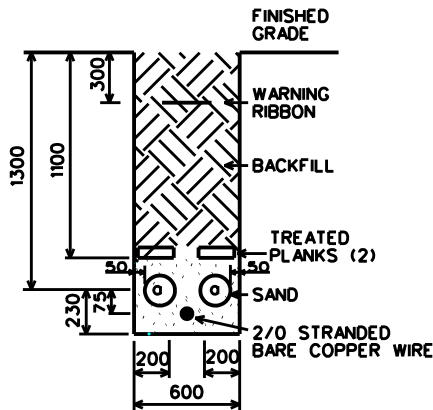


MARITIME ELECTRIC COMPANY, LIMITED

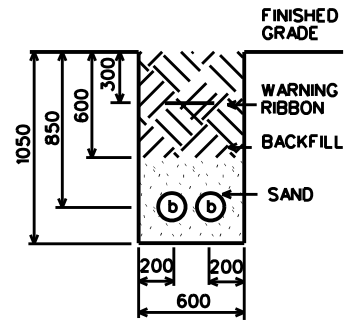
SCALE : N.T.S.
DRAWN : J.E.B.
CHECKED :
APPROVED:

REGULATOR PAD
CONSTRUCTION DETAILS

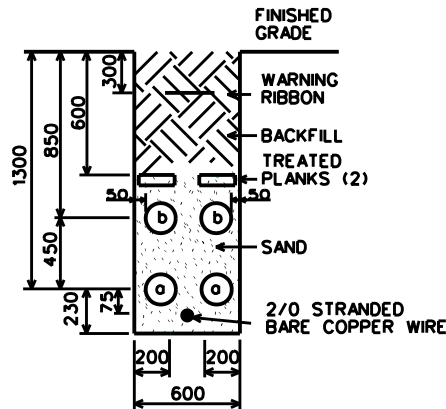
DATE : JUNE 22, 88
REVISED : SEPT 10, '01
DWG. No. : E-88-290



PRIMARY DUCTS



SECONDARY DUCTS



PRIMARY & SECONDARY DUCTS

NOTES:

1. a - PRIMARY VOLTAGE DUCT
150mm PVC DB2 DUCT FOR 3 PHASE OR 3 X 1PHASE CABLES
100 mm PVC DB2 DUCT FOR 1PHASE CABLES
QUANTITY AND SIZE TO BE DETERMINED BY MARITIME ELECTRIC.
A MINIMUM OF TWO DUCTS TO BE INSTALLED ALWAYS.
2. b - SECONDARY VOLTAGE DUCTS
QUANTITY AND SIZE TO BE DETERMINED BY MARITIME ELECTRIC
TABLE 6 OF THE CANADIAN ELECTRICAL CODE
3. c - COMMUNICATION DUCTS (SEE DWG. E-88-297A)
QUANTITY AND SIZE TO BE DETERMINED BY ISLAND TEL. OR CABLEVISION
4. 6MM DIA. NYLON ROPE INSTALLED IN ALL DUCTS.
5. IF ADDITIONAL CONDUITS ARE REQUIRED, THEY WILL BE INSTALLED BELOW THE INDICATED CONDUITS AND SPACED UNIFORMLY.
6. BACKFILLING OF TRENCH IN LAYERS NOT EXCEEDING 300MM (MECHANICALLY TAMPED).
7. EXCAVATED SOIL MAY BE USED FOR BACKFILL IF FREE FROM LARGE ROCKS OR DEBRIS
8. 2/0 STRANDED BARE COPPER WIRE TO BE BURIED 75MM BELOW PRIMARY DUCT.
9. HIGH VOLTAGE WARNING RIBBON TO BE BURIED AT 300MM.
10. USE (2) 50x150 PRESSURE TREATED PLANKS
11. ANY TRENCHING REQUIRED TO CROSS THE ROAD R.O.W. MUST HAVE A MINIMUM OF 1500MM CLEARANCE FROM ORIGINAL GRADE TO DEPTH OF TOP DUCTS.
12. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
13. IF SITE CONDITIONS PROHIBIT TRENCH DEPTH AS PER THIS DRAWING CONSULT MECL.
14. CONTRACTOR TO PROVIDE A MINIMUM OF 24 HRS. WRITTEN NOTICE TO MECL CONSTRUCTION INSPECTOR PRIOR TO SCHEDULED BACKFILLING OF WORKS. BACKFILLING NOT PERMITTED UNTIL APPROVED BY MECL.
15. ALL SECONDARY DUCTS TO BE LABELED WITH WEATHER PROOF TAG INDICATING THE CIVIC #'S OR TAP BOX THEY SERVICE.

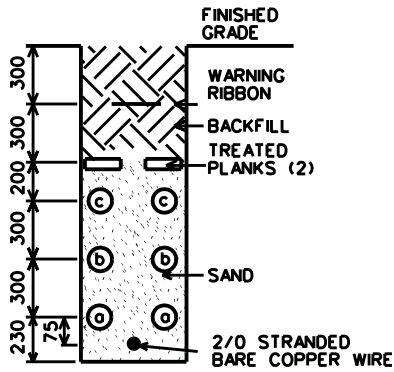


MARITIME ELECTRIC COMPANY, LIMITED

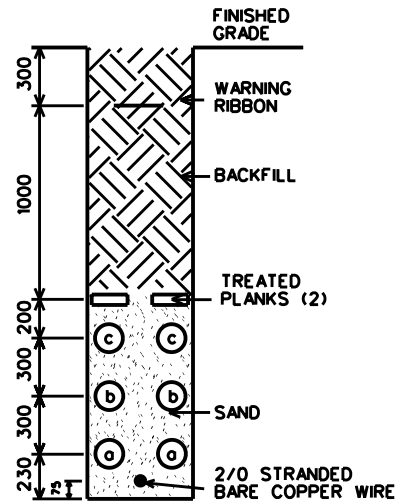
SCALE : N.T.S.
DRAWN : J.E.B.
CHECKED :
APPROVED:

STANDARD TRENCHING
DETAILS

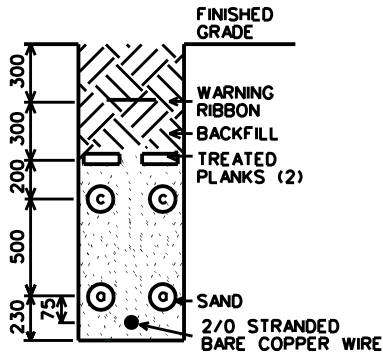
DATE : JULY 29, '87
REVISED : FEB. 21, '03
DWG. No. : E-88-296



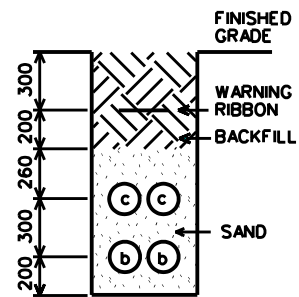
PRIMARY, SECONDARY VOLTAGE AND COMMUNICATION DUCTS



PRIMARY, SECONDARY VOLTAGE AND COMMUNICATION DUCTS



PRIMARY VOLTAGE AND COMMUNICATION DUCTS



SECONDARY VOLTAGE AND COMMUNICATION DUCTS

NOTES:

1. a - PRIMARY VOLTAGE DUCT
150mm PVC DB2 DUCT FOR 3 PHASE OR 3 x 1PHASE CABLES
100 mm PVC DB2 DUCT FOR 1 PHASE CABLES
QUANTITY AND SIZE TO BE DETERMINED BY MARITIME ELECTRIC.
A MINIMUM OF TWO DUCTS TO BE INSTALLED ALWAYS.
2. b - SECONDARY VOLTAGE DUCTS
QUANTITY AND SIZE TO BE DETERMINED BY MARITIME ELECTRIC
TABLE 6 OF THE CANADIAN ELECTRICAL CODE
3. c - COMMUNICATION DUCTS
QUANTITY AND SIZE TO BE DETERMINED BY ISLAND TEL. OR CABLEVISION
4. 6MM DIA. NYLON ROPE INSTALLED IN ALL DUCTS.
5. IF ADDITIONAL CONDUITS ARE REQUIRED, THEY WILL BE INSTALLED BELOW THE INDICATED CONDUITS AND SPACED UNIFORMLY.
6. BACKFILLING OF TRENCH IN LAYERS NOT EXCEEDING 300MM (MECHANICALLY TAMPED).
7. EXCAVATED SOIL MAY BE USED FOR BACKFILL IF FREE FROM LARGE ROCKS OR DEBRIS
8. 2/0 STRANDED BARE COPPER WIRE TO BE BURIED 75MM BELOW PRIMARY DUCT.
9. HIGH VOLTAGE WARNING RIBBON TO BE BURIED AT 300MM.
10. USE (2) 50x150 PRESSURE TREATED PLANKS
11. ANY TRENCHING REQUIRED TO CROSS THE ROAD R.O.W. MUST HAVE A MINIMUM OF 1500MM CLEARANCE FROM ORIGINAL GRADE TO DEPTH OF TOP DUCTS.
12. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
13. IF SITE CONDITIONS PROHIBIT TRENCH DEPTH AS PER THIS DRAWING CONSULT MECL.
14. CONTRACTOR TO PROVIDE A MINIMUM OF 24 HRS. WRITTEN NOTICE TO MECL CONSTRUCTION INSPECTOR PRIOR TO SCHEDULED BACKFILLING OF WORKS. BACKFILLING NOT PERMITTED UNTIL APPROVED BY MECL.
15. ALL SECONDARY DUCTS TO BE LABELED WITH WEATHER PROOF TAG INDICATING THE CIVIC #'S OR TAP BOX THEY SERVICE.

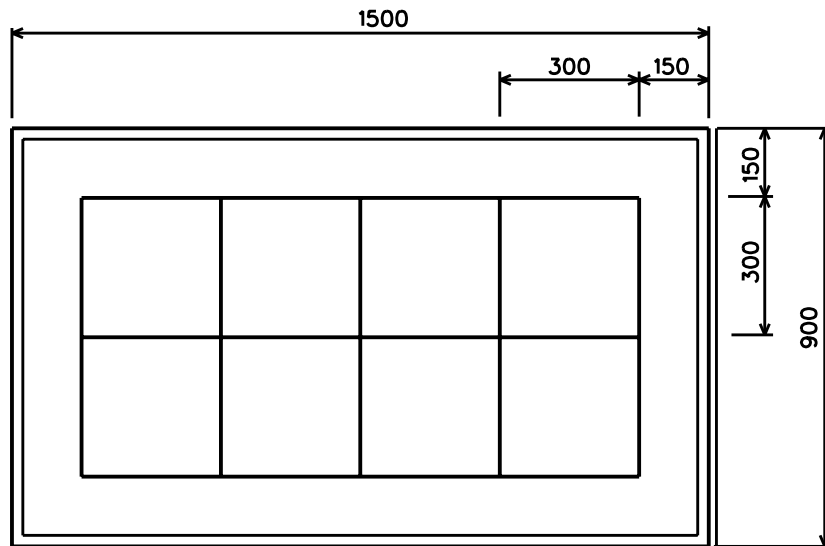


MARITIME ELECTRIC COMPANY, LIMITED

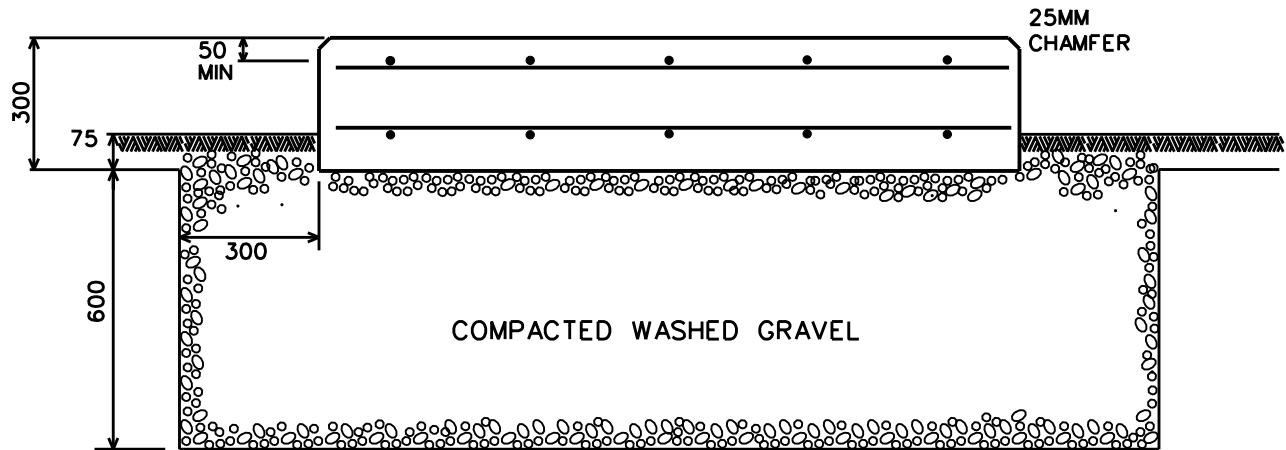
SCALE : N.T.S.
DRAWN : J.E.B.
CHECKED :
APPROVED:

**JOINT USE
TRENCHING DETAILS**

DATE : AUG. 05, '87
REVISED : FEB. 21, '03
DWG. No. : E-88-297



PLAN VIEW



ELEVATION

NOTES:

1. 20MM REBAR AT 300MM C/C BOTH WAYS, TOP AND BOTTOM
2. 32 MPA CONCRETE TO BE USED.
3. MIN. 50MM OF CONCRETE OVER TOP ROW OF REBAR.
4. ALL DIMENSIONS IN MILLIMETERS.
5. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
6. WASHED GRAVEL TO BE NO GREATER THAN 35MM (1") OR NO LESS THAN 15MM (1/2").

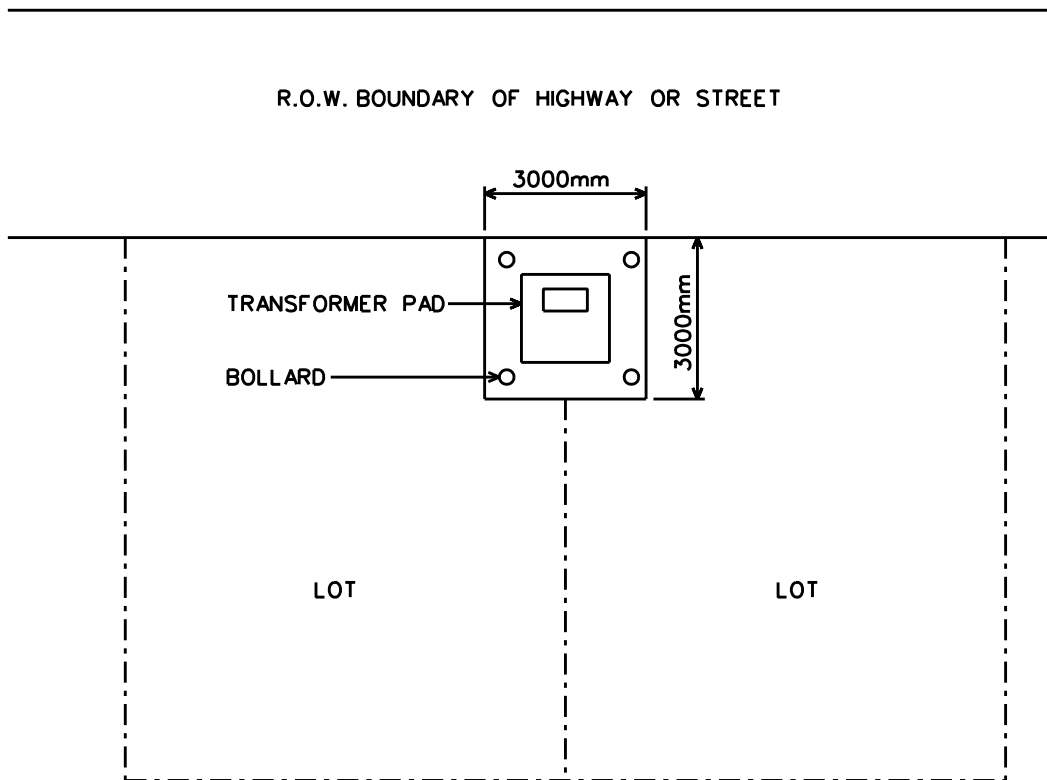


MARITIME ELECTRIC COMPANY, LIMITED

SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

RECLOSER PAD DETAILS

DATE : NOV. 08, '89
 REVISED : APRIL 23, '02
 DWG. No. : E-89-59



NOTES:

1. ALL ABOVE GRADE FACILITIES MUST BE LOCATED OFF ROAD R.O.W. INCLUDING CONCRETE PAD, PROTECTIVE BOLLARDS AND TRANSFORMER GROUND GRID.
2. AN EASEMENT IS REQUIRED WHEN M.E.C.L. FACILITIES ARE LOCATED ON PRIVATE PROPERTY. EASEMENT APPLIES TO PADMOUNT TRANSFORMERS AND SECONDARY BOX ENCLOSURES.
3. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
4. A 1200MM FLAT AREA MUST BE PROVIDED DIRECTLY IN FRONT OF THE TRANSFORMER PAD.

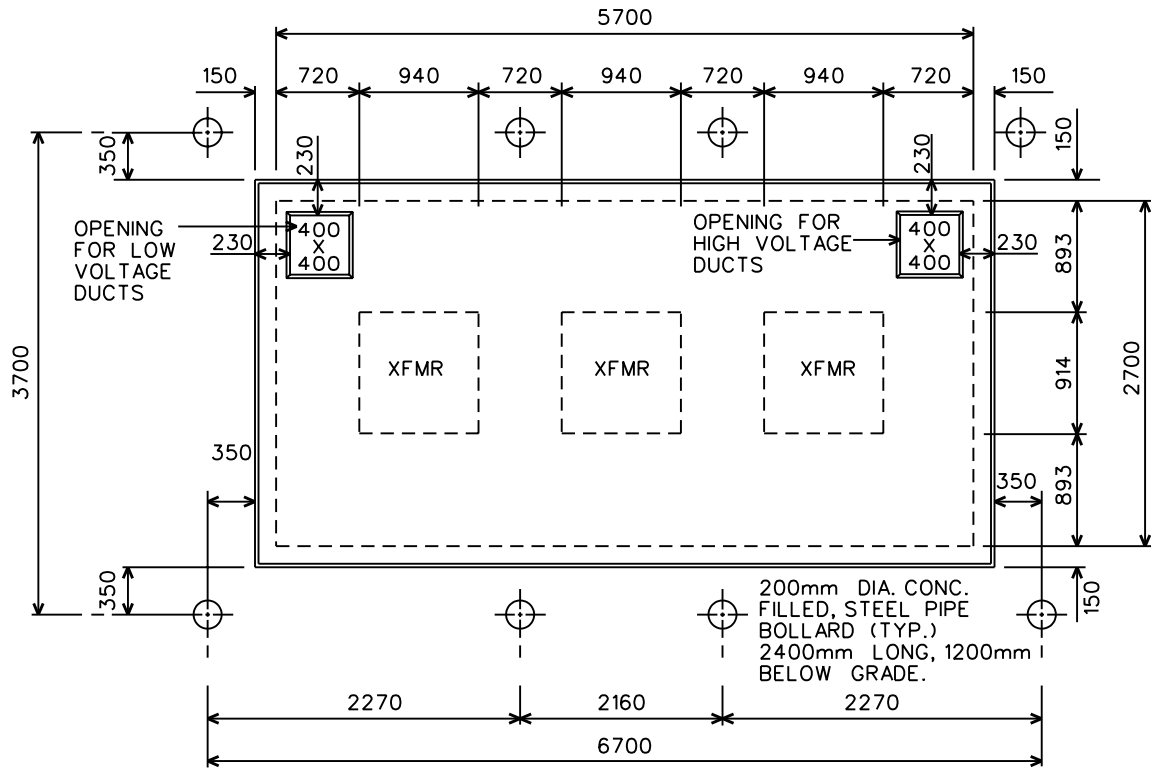


MARITIME ELECTRIC COMPANY, LIMITED

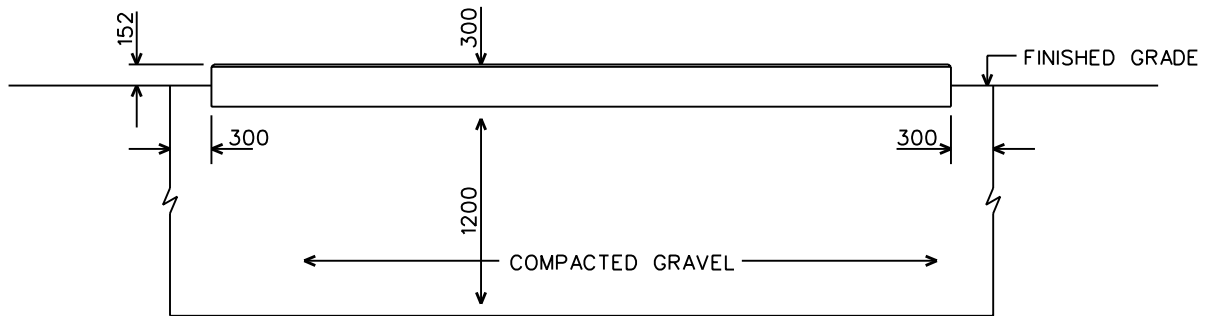
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

**PADMOUNT TRANSFORMER
 LOCATION DETAILS**

DATE : MAY 15, '90
 REVISED : APR. 13, '05
 DWG. No. : E-90-03



PLAN



ELEVATION

- NOTE: 1. CONCRETE 25 MPa @ 28 DAYS.
 2. CONCRETE - 1.86 CU. METRES.
 3. REFER TO DWG. E-95-02 FOR REINFORCING DETAILS.
 4. REFER TO DWG. E-95-03 FOR GROUNDING DETAILS.
 5. FINAL BOLLARD LOCATIONS TO BE VERIFIED PRIOR TO INSTALLATION.
 ENSURE TRANSCLOSURE ACCESS DOOR OPERATES FREELY.
 6. ALL DIMENSIONS ARE IN MILLIMETRES.
 7. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL,
 PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.

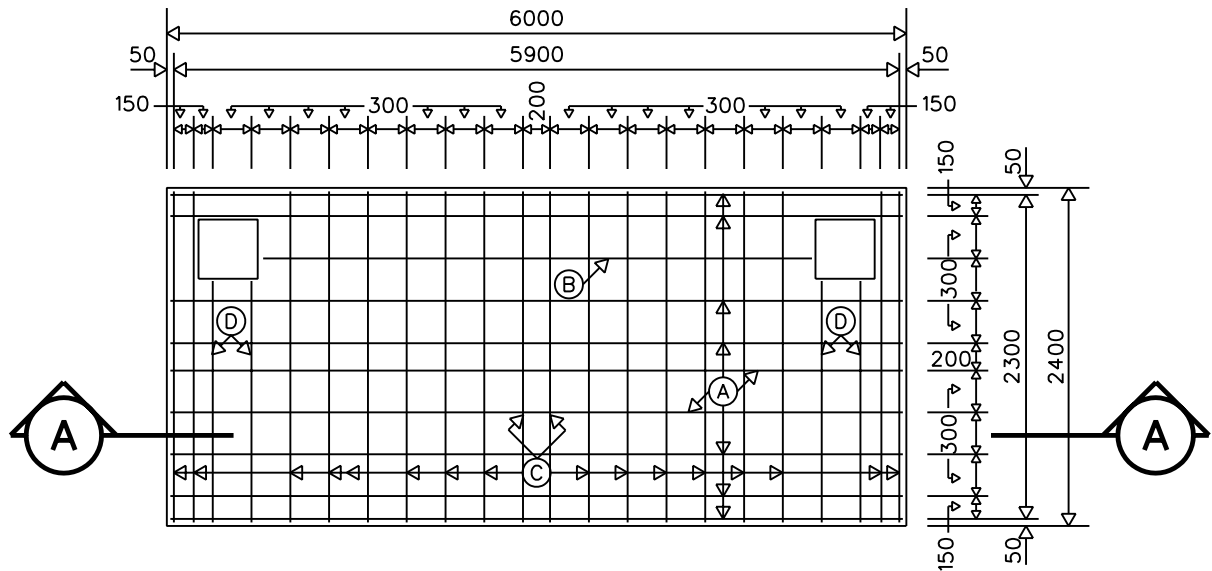


MARITIME ELECTRIC COMPANY, LIMITED

SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

TRANSCLOSURE PAD
 DETAILS

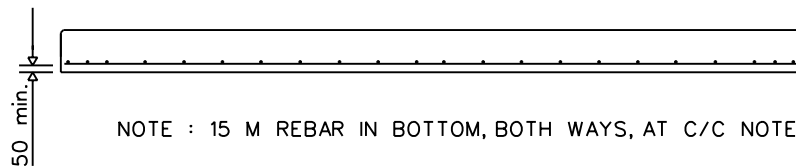
DATE : NOV. 25, '97
 REVISED : JULY 11, '00
 DWG. No. : E-95-01



REINFORCING PLAN

NOTE :

1. REINFORCING 50 ksi YIELD.
2. A. 15 M 5900mm LONG - 9 REQ'D.
- B. 15 M 4750mm LONG - 1 REQ'D.
- C. 15 M 2300mm LONG - 18 REQ'D.
- D. 15 M 1700mm LONG - 4 REQ'D.



SECTION "A-A"

NOTE : ALL DIMENSIONS ARE IN mm.

IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL,
PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.

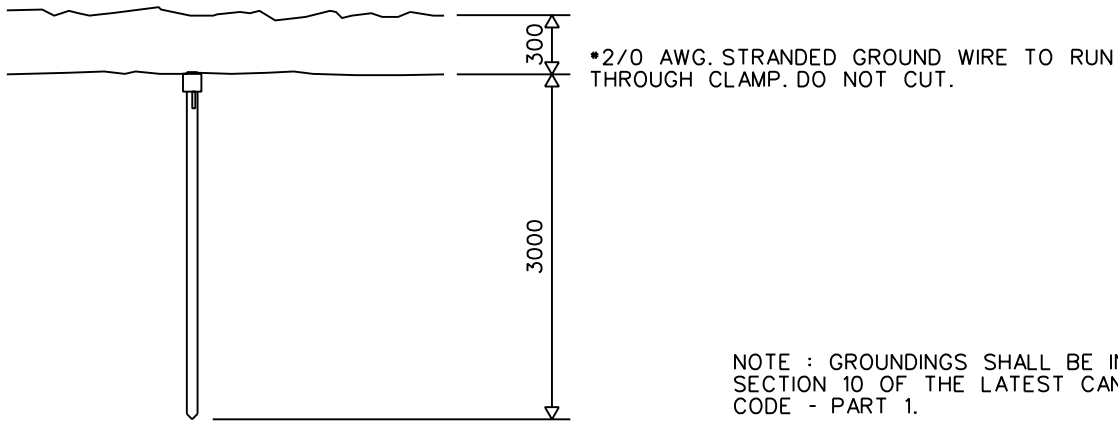
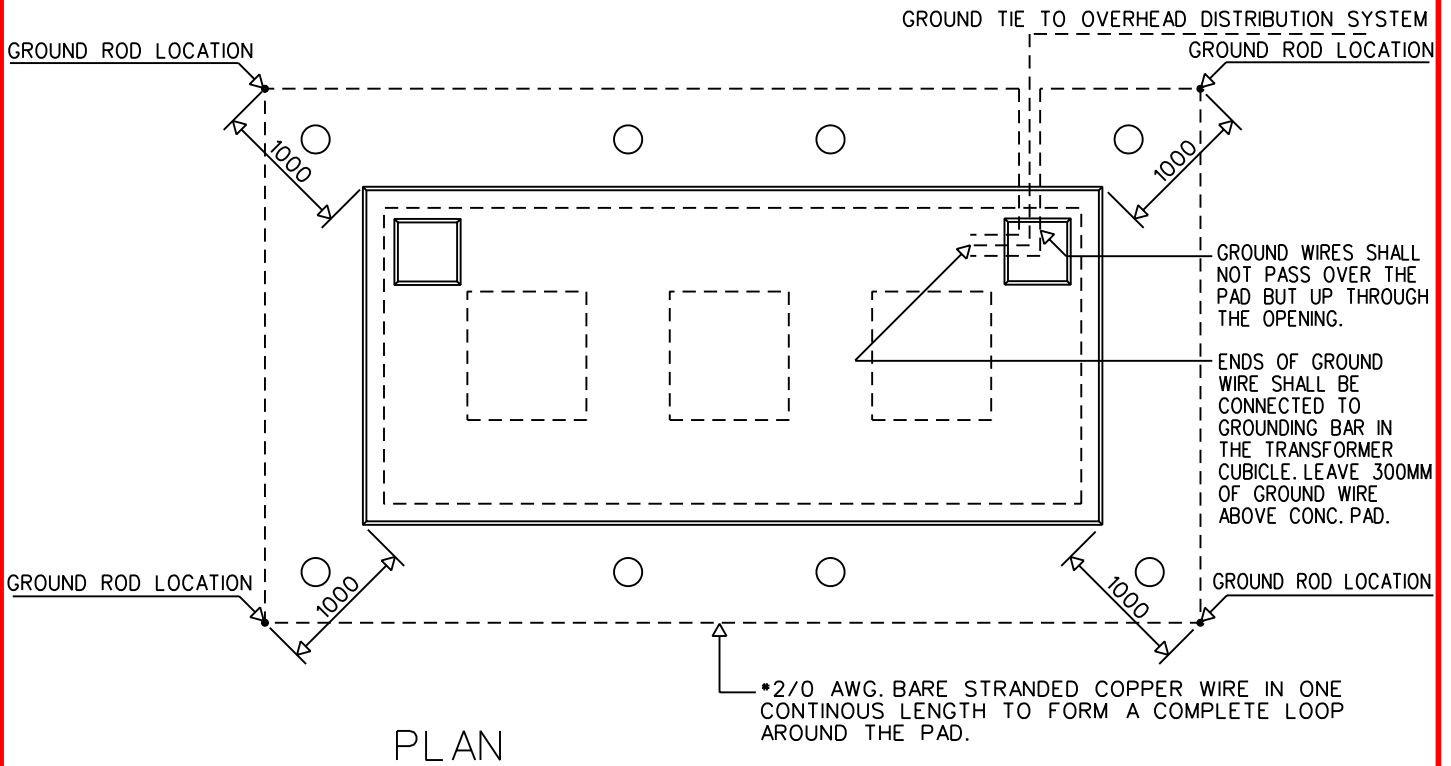


MARITIME ELECTRIC COMPANY, LIMITED

SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

TRANSCLOSURE PAD
 REINFORCING DETAILS

DATE : NOV. 25, '97
 REVISED : JULY 11, '00
 DWG. No. : E-95-02



NOTE : GROUNDINGS SHALL BE IN ACCORDANCE WITH SECTION 10 OF THE LATEST CANADIAN ELECTRICAL CODE - PART 1.

GROUND ROD AND CONNECTOR DETAIL

NOTE : ALL DIMENSIONS ARE IN mm.

IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL,
PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.

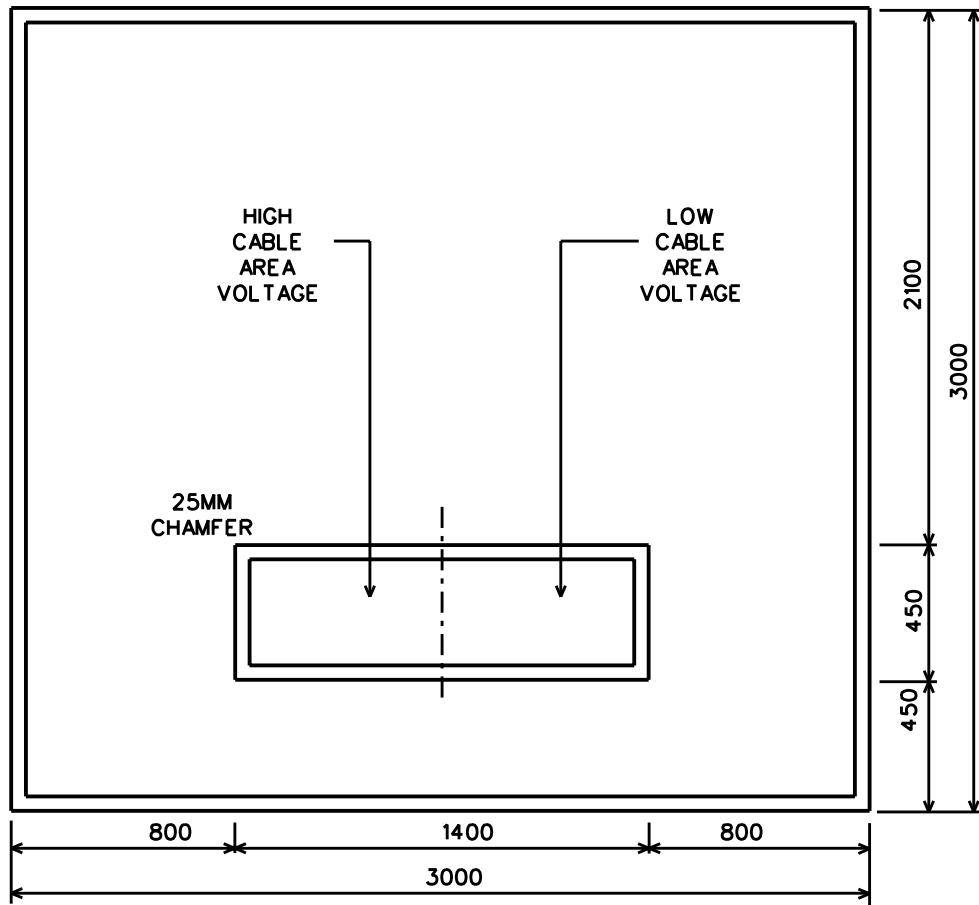


MARITIME ELECTRIC COMPANY, LIMITED

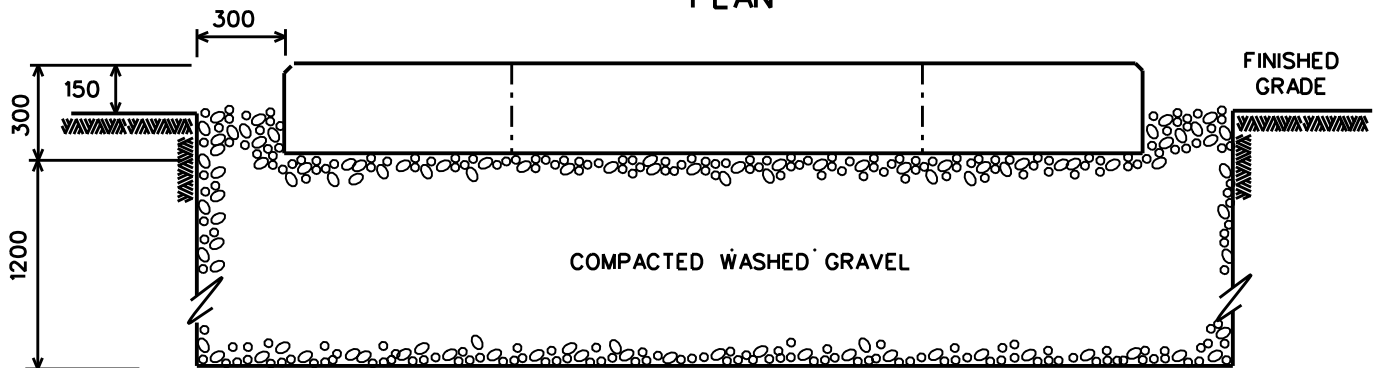
SCALE : N.T.S.
DRAWN : J.E.B.
CHECKED :
APPROVED:

**TRANSCLOSURE PAD
GROUNDING DETAILS**

DATE : NOV. 25, '97
REVISED : JULY 11, '00
DWG. No. : E-95-03



PLAN



ELEVATION

NOTES:

1. CONCRETE - 25 MPa @ 28 DAYS
2. CONCRETE 2.50 CU. METERS
3. REBAR - 110.60kg
4. REFER TO DWG. E-97-02 FOR REINFORCING DETAILS.
5. REFER TO DWG. E-85-143 FOR GROUNDING DETAILS.
6. ALL DIMENSIONS IN MILLIMETERS.
7. CONDUITS TO BE INSTALLED 50MM ABOVE TRANSFORMER PAD.
8. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
9. WASHED GRAVEL TO BE NO GREATER THAN 35MM (1") OR NO LESS THAN 15MM (1/2").
10. A 1200MM FLAT AREA MUST BE PROVIDED IN FRONT OF TRANSFORMER PAD.

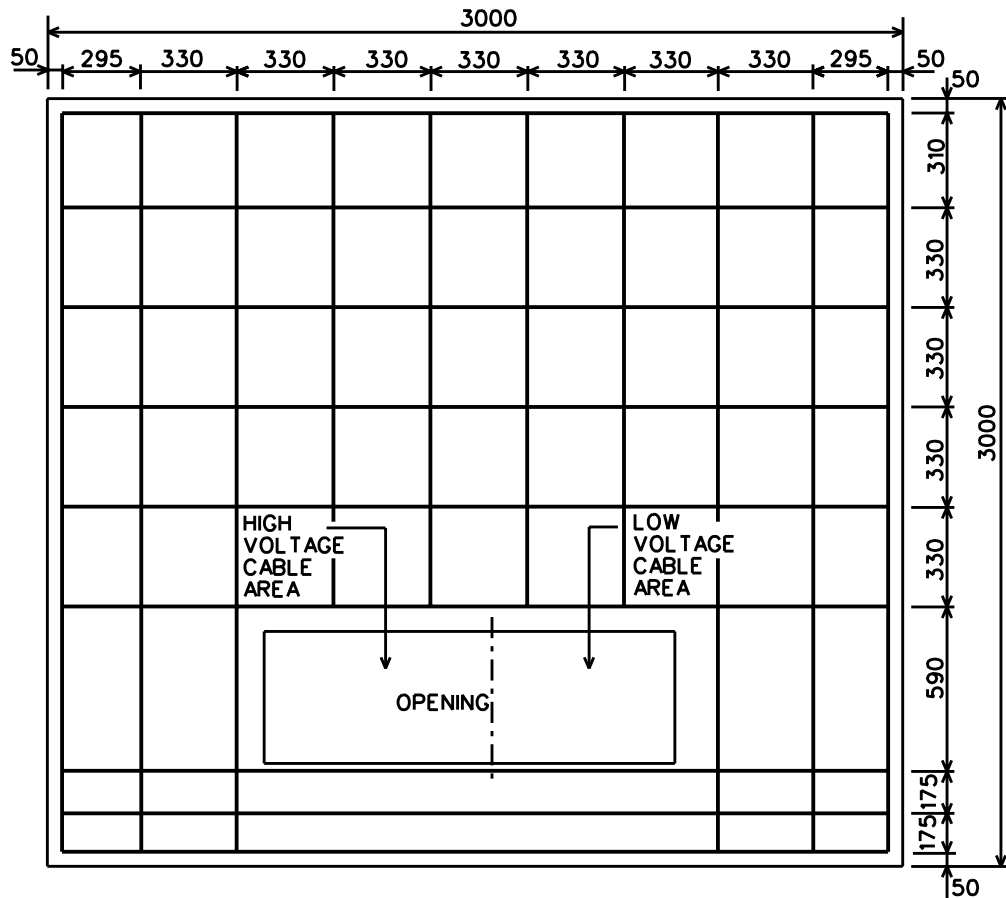


MARITIME ELECTRIC COMPANY, LIMITED

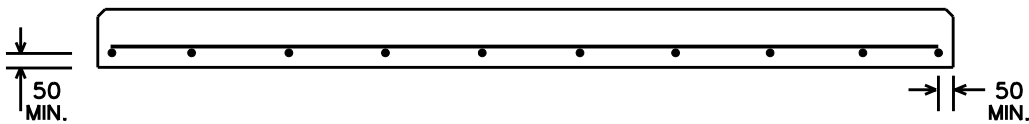
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

CONCRETE PAD
 3Ø PADMOUNTED TRANSFORMER
 3000 KVA

DATE : NOV. 04, '97
 REVISED : APR. 25, '03
 DWG. No. : E-97-02



REINFORCING PLAN



SECTION

NOTES:

1. REINFORCING 50 KSI YIELD.
2. ALL MEASUREMENTS ARE IN MILLIMETERS.
3. IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.

BAR LIST

SIZE	LENGTH	PCS.
15	2900	16
15	1960	4
	LIFT HOOK	4

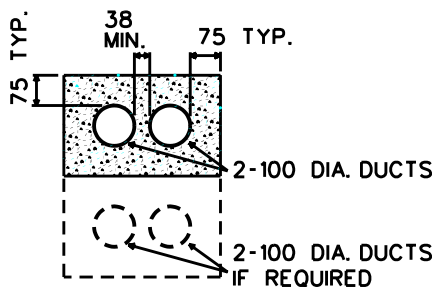
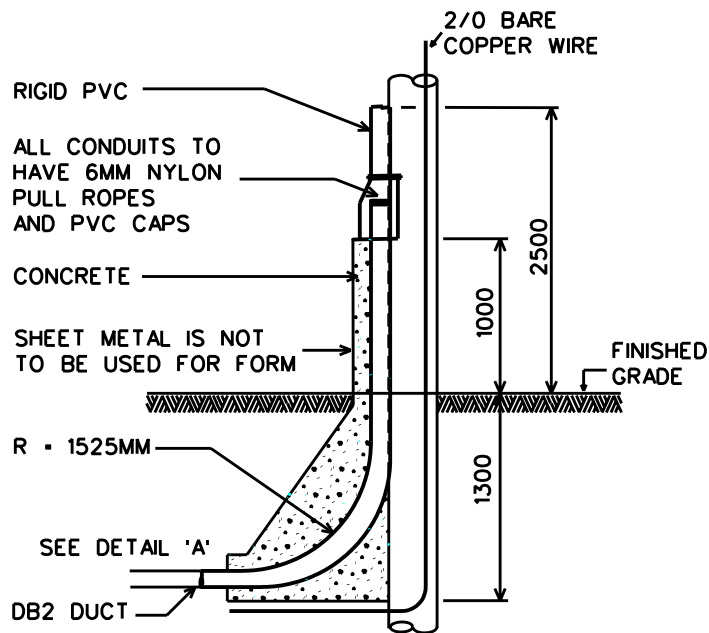


MARITIME ELECTRIC COMPANY, LIMITED

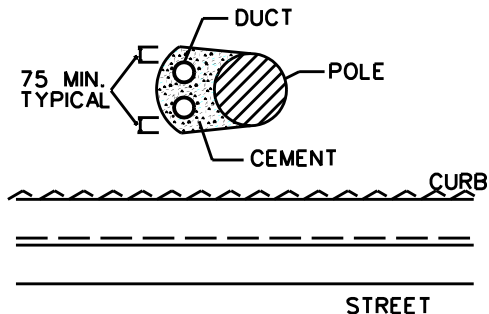
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

CONCRETE PAD
 REINFORCING DETAILS
 3Ø PADMOUNTED 3000 KVA

DATE : NOV. 04, '97
 REVISED : JULY 11, '00
 DWG. No. : E-97-03



DETAIL 'A'



PREFERRED DUCT LOCATION
KEEP DUCT AWAY FROM TRAFFIC

NOTES:

1. CONDUITS TO EXTEND A MINIMUM OF 2.5M ABOVE GRADE ON NON-JOINT USE POLES. ON JOINT USE POLES, THE CONDUIT MUST RUN 1.0M ABOVE THE COMMUNICATION PLANT. THE GROUNDING AND NEUTRAL MUST BE THE SAME.
2. ALL MATERIALS TO BE PROVIDED BY CONTRACTOR.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
4. CONTRACTOR TO PROVIDE A MINIMUM OF 24 HRS. WRITTEN NOTICE TO MECL CONSTRUCTION INSPECTOR PRIOR TO SCHEDULED BACKFILLING OF WORKS. BACKFILLING NOT PERMITTED UNTIL APPROVED BY MECL.

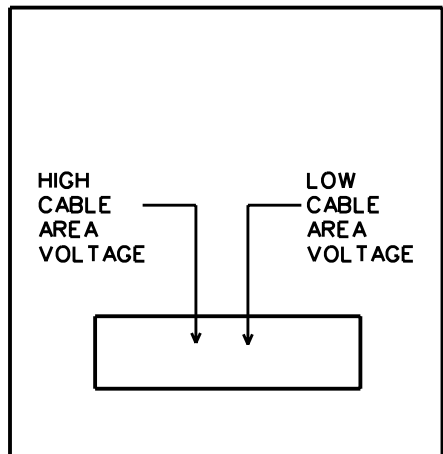


MARITIME ELECTRIC COMPANY, LIMITED

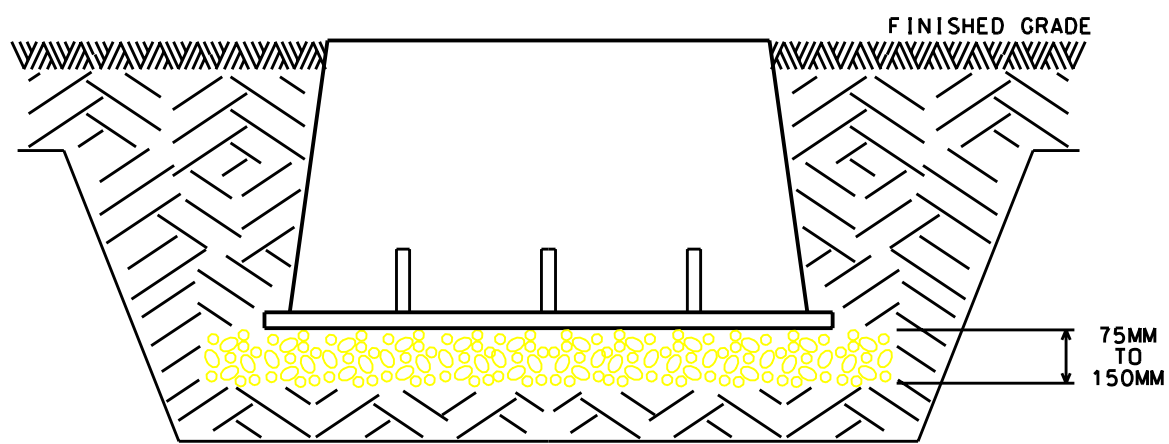
SCALE : N.T.S.
DRAWN : J.E.B.
CHECKED :
APPROVED:

SINGLE PHASE UNDERGROUND
RISER POLE DETAIL

DATE : AUG. 25, '88
REVISED : NOV. 28, '00
DWG. No. : E-98-03



TOP VIEW



ELEVATION

1. PREPARE THE EXCAVATION APPROXIMATELY 150MM DEEPER THAN THE OVERALL HEIGHT OF THE ENCLOSURE. THE LENGTH AND WIDTH OF THE EVACATION SHOULD BE DETERMINED BY ADDING 100MM TO 150MM TO THE OVERALL LENGTH AND WIDTH OF THE HANDHOLES OR PULL BOX.
2. PLACE 150MM OF COMPACTED GRAVEL. THE COMPACTED GRAVEL SHOULD BE LEVELED SO THE TOP OF THE HANDHOLES OR PULL BOX IS FLUSH TO GRADE.
3. PLACE SELECTED BACKFILL INTO THE EXCAVATION AT 300MM LIFTS AND COMPACT EITHER BY MECHANICAL COMPACTING OR FLOODING THE EXCAVATION TO ACHIEVE THE DESIRED RELATIVE COMPACTION.
4. ALL SECONDARY CONDUITS TO BE LABELED WITH WEATHER PROOF TAG INDICATING THE CIVIC #'S OR TAP BOX THEY SERVICE.
5. MINIMUM CONDUCTOR SIZE FEEDING A SECONDARY TAP BOX IS 3/0 COPPER, WHEN MORE THAN TWO ARE TO BE FED OFF THE TAP BOX, LARGER CONDUCTOR MAY BE REQUIRED. MECL IS TO BE CONTACTED FOR CONDUCTOR.

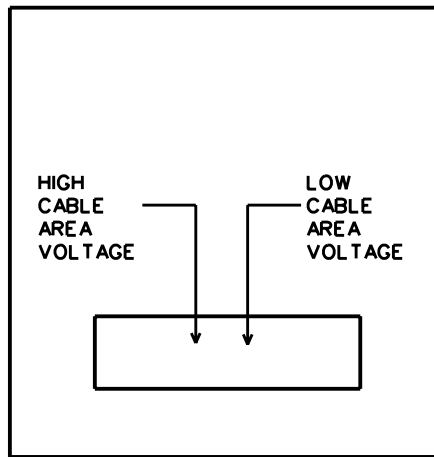


MARITIME ELECTRIC COMPANY, LIMITED

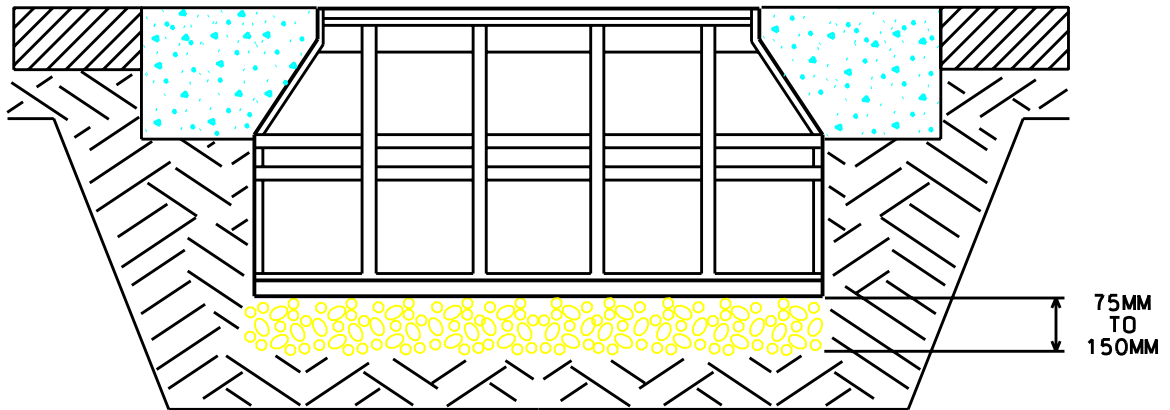
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

GRADE LEVEL ENCLOSURES
 INSTALLATION DETAILS

DATE : FEB. 22, '99
 REVISED : APR. 25, '03
 DWG. No. : E-99-01



TOP VIEW



ELEVATION

1. PREPARE THE EXCAVATION APPROXIMATELY 150MM DEEPER THAN THE OVERALL HEIGHT OF THE ENCLOSURE. THE LENGTH AND WIDTH OF THE EXCAVATION SHOULD BE DETERMINED BY ADDING 100MM TO 150MM TO THE OVERALL LENGTH AND WIDTH OF THE HANDHOLES OR PULL BOX.
2. PLACE APPROXIMATELY 75MM - 150MM OF COMPACTED MATERIAL SUCH AS SAND OR GRAVEL. GRAVEL IS THE RECOMMENDED MATERIAL BECAUSE OF ITS DRAINAGE CHARACTERISTICS. THE COMPACTED MATERIAL SHOULD BE LEVELED SO THE TOP OF THE HANDHOLES OR PULL BOX IS FLUSH TO GRADE. INSTALL WITH COVER IN PLACE WITH SHIMS ON ALL SIDES AND ENDS TO PREVENT DEFLECTION.
3. PLACE SELECTED BACKFILL INTO THE EXCAVATION AT 300MM LIFTS AND COMPACT EITHER BY MECHANICAL COMPACTING OR FLOODING THE EXCAVATION. THE BACKFILL SHOULD BE DISCONTINUED APPROXIMATELY 200MM BELOW THE FINISHED GRADE. THE FINAL 200MM OF THE EXCAVATION SHOULD BE FINISHED WITH CONCRETE. THIS SHOULD BE ACCOMPLISHED BY PROVIDING A FORM AROUND THE ENCLOSURE THAT WOULD PRODUCE A 150MM WIDE COLLAR. SMALL SHIMS SHOULD BE PLACED BETWEEN COVER AND WALL UNTIL CONCRETE IS SET.

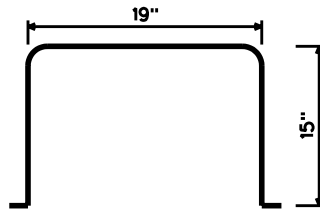


MARITIME ELECTRIC COMPANY, LIMITED

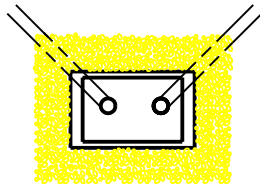
SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

GRADE LEVEL ENCLOSURES
 INSTALLATION IN
 CONCRETE AND PAVEMENT

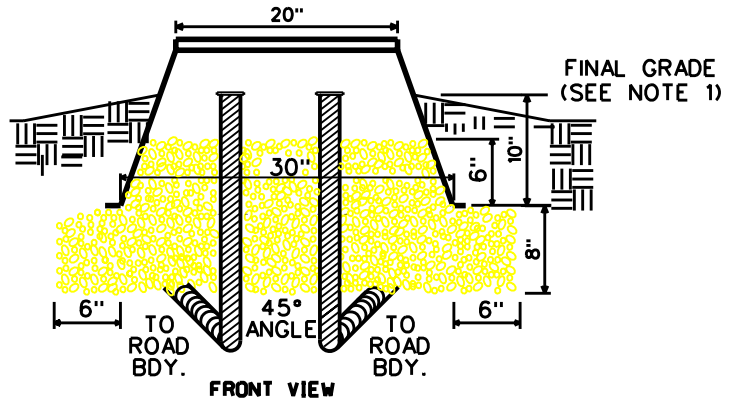
DATE : FEB. 22, '99
 REVISED : FEB. 21, '03
 DWG. No. : E-99-02



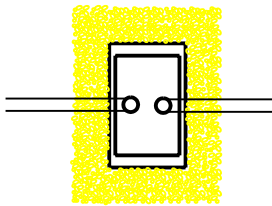
FRONT VIEW - TOP OF PEDESTAL



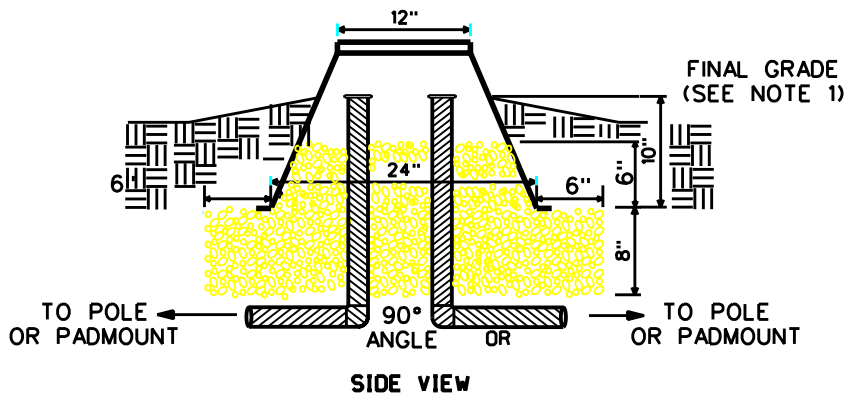
PLAN VIEW



FRONT VIEW



PLAN VIEW



SIDE VIEW

NOTES

1. FINAL GRADE TO BE SLOPED FOR GOOD DRAINAGE.
2. IF PEDESTAL INSTALLED AT BASE OF POLE OR PADMOUNT THERE MUST BE 24" CLEARANCE FROM POLE OR PAD.
3. PEDESTAL TO SIT ON 8" LAYER GRAVEL BASE WITH 6" PROTUDING ALL AROUND. INSIDE PEDESTAL TO HAVE 6" LAYER OF GRAVEL.
4. OVERHEAD PRIMARY LINE; POSITION PEDESTAL BEHIND POLE ON PRIVATE PROPERTRY.
5. ALL CONDUIT AND/OR CONDUCTOR TO BE PROPERLY MARKED IDENTIFYING INCOMING AND OUTGOING LINES. PLEASE IDENTIFY SERVICE TO LOT WITH C.A. • OR LOT •.
6. CONDUIT TO BE BURIED PER ELECTRICAL CODE.
7. ORDER • FOR COMPLETE UNITS - PEDESTAL WITH H.D. POLYETHYLENE BASE: AG-20HD.

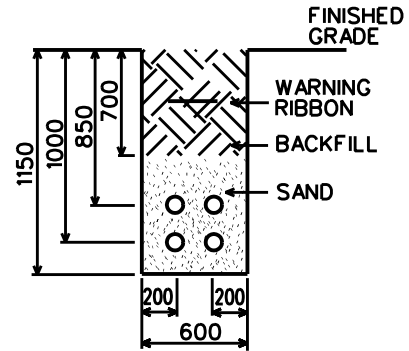
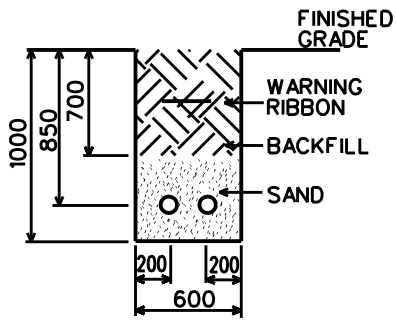


MARITIME ELECTRIC COMPANY, LIMITED

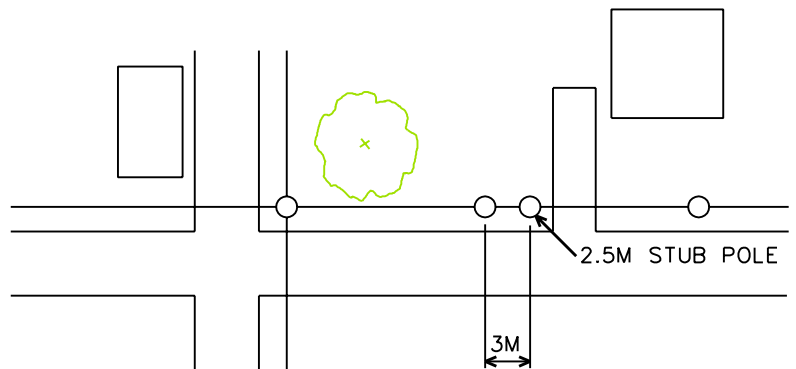
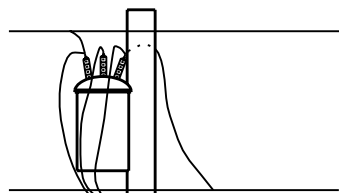
SCALE : N.T.S.
 DRAWN : J.E.B.
 APPROVED:

SECONDARY
 ABOVE GRADE
 PEDESTAL

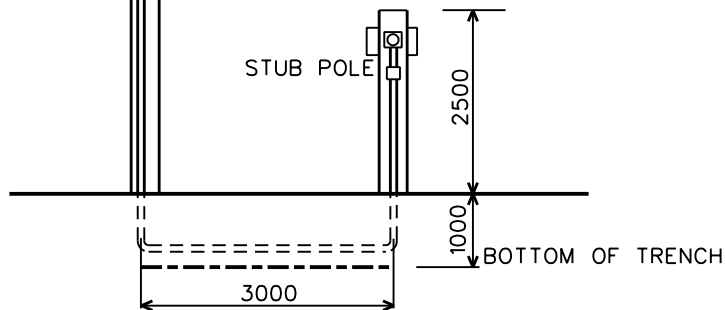
DATE : JUNE 30, '03
 REVISED :
 DWG. No. : E-03-04



TRENCH DETAILS



PLAN VIEW



ELEVATION

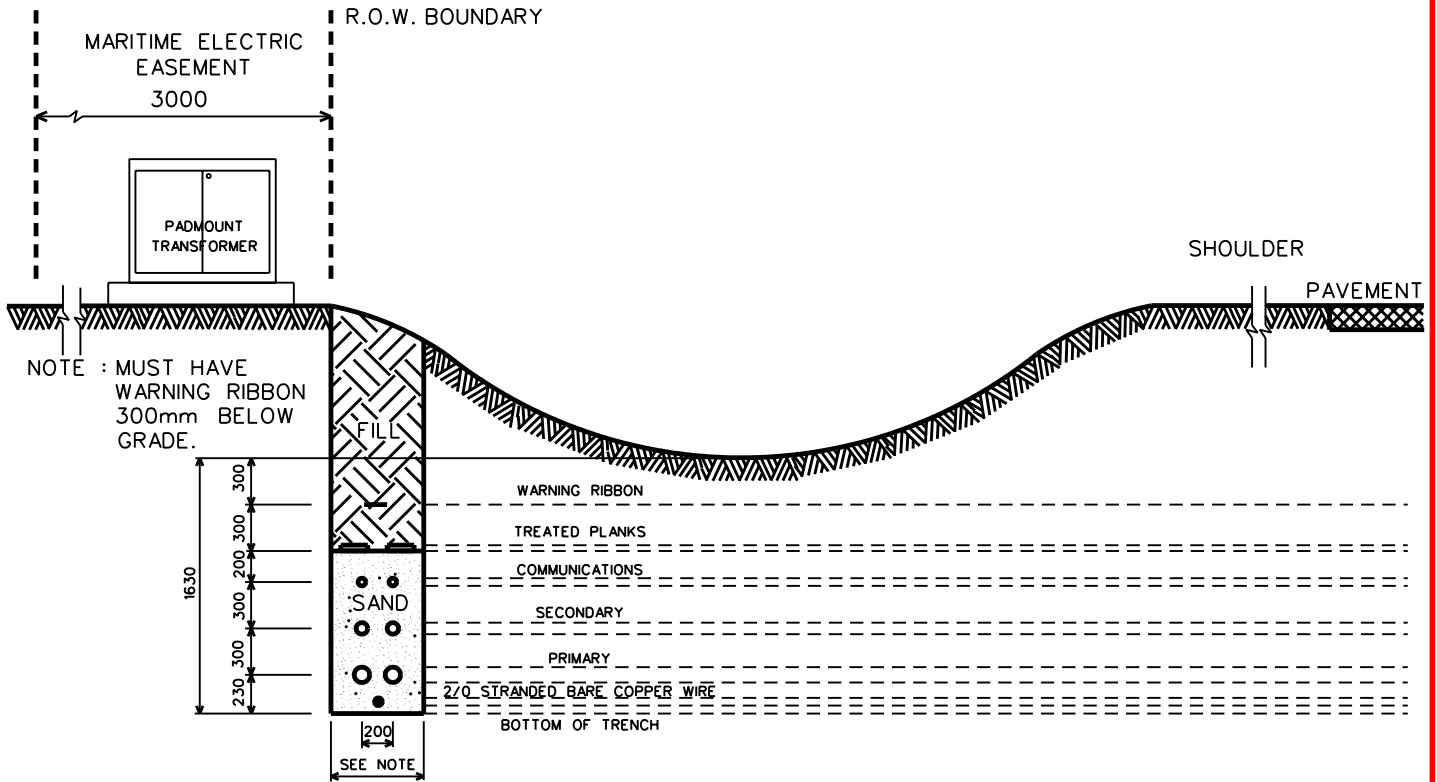


MARITIME ELECTRIC COMPANY, LIMITED

SCALE : N.T.S.
 DRAWN : J.E.B.
 CHECKED :
 APPROVED:

PROPOSED LOCATION OF
 CABLEVISION ACCESSORIES

DATE : JAN. 22, '91
 REVISED : JUNE 23, '98
 DWG. No. : UG-91-01



NOTE : TRENCH WIDTH TO BE IN ACCORDANCE WITH OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS. REF. DWG. E-88-297A

A 1200MM FLAT AREA MUST BE PROVIDED IN FRONT OF TRANSFORMER PAD.

EASEMENT APPLIES TO PADMOUNT TRANSFORMERS AND SECONDARY BOX ENCLOSURES.

ALL DIMENSIONS ARE IN MILLIMETERS.

CE CODE •6-308



MARITIME ELECTRIC COMPANY, LIMITED

SCALE : N.T.S.

DRAWN : J.E.B.

CHECKED :

APPROVED:

UNDERGROUND CLEARANCES
AT DITCHES IN R.O.W.

DATE : JULY 07, '92

REVISED : APR. 13, '05

DWG. No. : UG-92-01