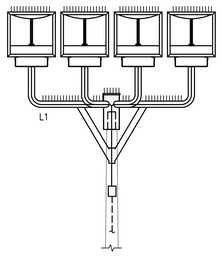
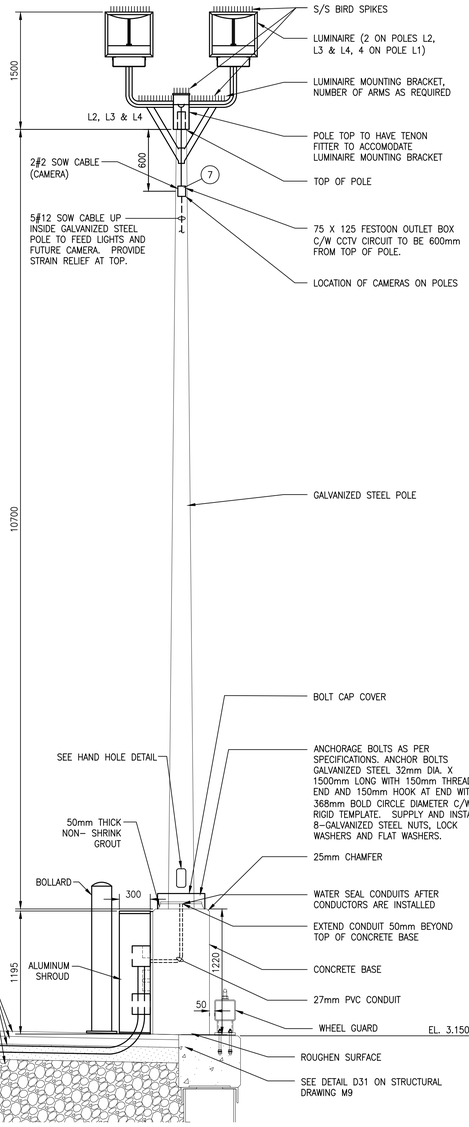




LIGHT POLE DETAIL

SCALE: 1:25

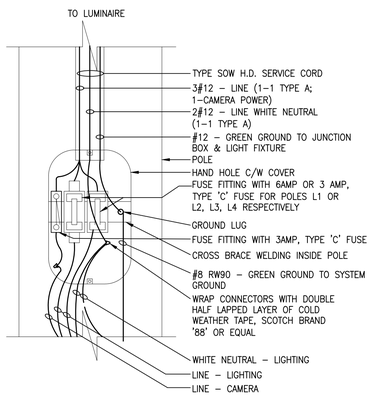
1 / E4

REFER TO STRUCTURAL DRAWINGS FOR EXPANSION CONTROL AND CONSTRUCTION JOINT LOCATIONS WHERE EACH 53mm PVC CONDUIT NEEDS AN EXPANSION JOINT CONNECTION. USE 103mm EXPANSION JOINTS FOR 3-103mm PVC CONDUITS.

NEW EXPANSION JOINT DETAIL

SCALE : N.T.S.

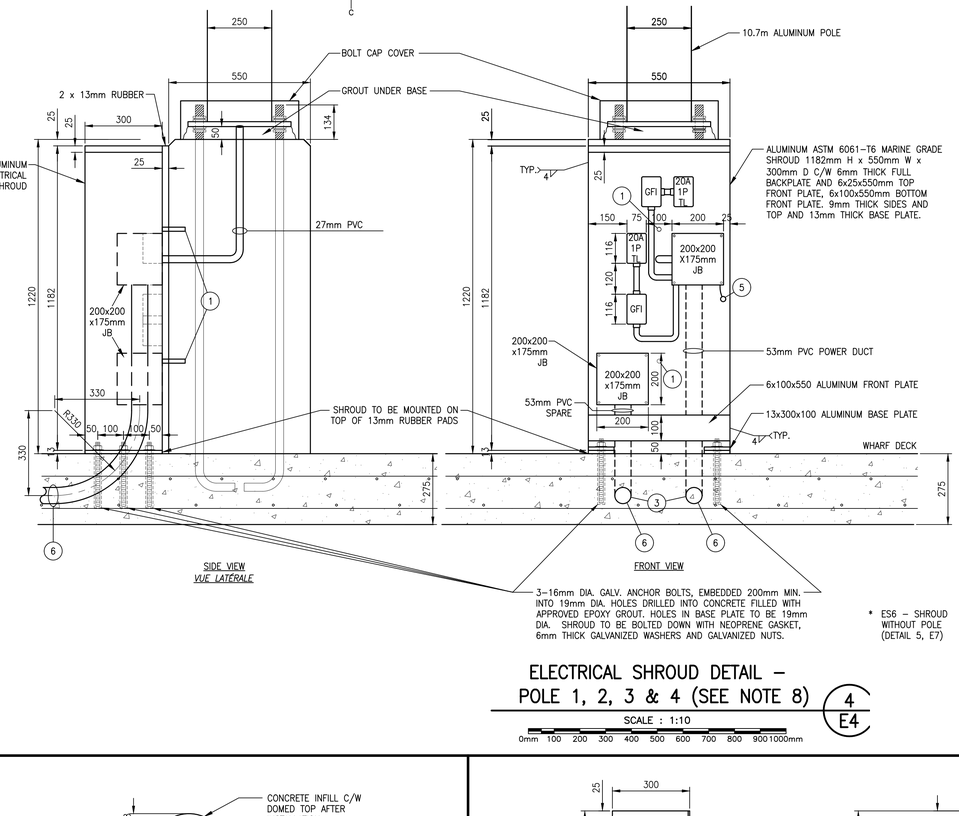
2 / E4



HANDHOLE DETAIL

SCALE : N.T.S.

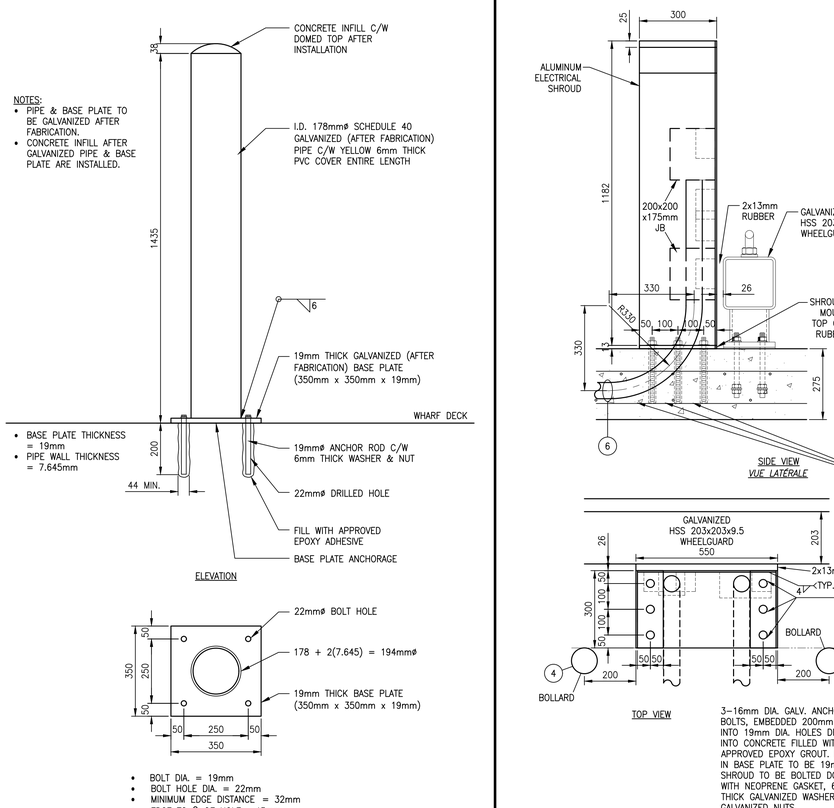
3 / E4



ELECTRICAL SHROUD DETAIL - POLE 1, 2, 3 & 4 (SEE NOTE 8)

SCALE : 1:10

4 / E4



NOTES:
- PIPE & BASE PLATE TO BE GALVANIZED AFTER FABRICATION.
- CONCRETE INFILL AFTER GALVANIZED PIPE & BASE PLATE ARE INSTALLED.

- BASE PLATE THICKNESS = 19mm
- PIPE WALL THICKNESS = 7.645mm

- BOLT DIA. = 19mm
- BOLT HOLE DIA. = 22mm
- MINIMUM EDGE DISTANCE = 32mm
- EDGE TO ℄ OF HOLE = 43mm

ELECTRICAL BOLLARDS

SCALE : 1:10

5 / E4

ELECTRICAL SHROUD DETAIL

SCALE : 1:10

6 / E4

NOTES

1. 1-16 DIA. GALVANIZED ANCHORS, EMBEDDED 200mm INTO 19mm HOLES DRILLED INTO CONCRETE C/W EPOXY GROUT AND NEOPRENE GASKET, 6mm GALVANIZED WASHERS AND GALVANIZED NUTS.
2. ALL REBAR IN CONCRETE DECK IS SHOWN FOR POSITIONING OF PVC CONDUIT. FOR EXACT REBAR SIZE & LAYOUT SEE STRUCTURAL DRAWINGS.
3. PROVIDE PULL ROPE IN ALL SPARE CONDUITS.
4. BOLLARD - SEE DETAIL ON DWG E3 AND E4. TOTAL FOR ELECTRICAL WORK IS 18.
5. #8 BCW FROM GROUND WIRES IN JUNCTION BOX TO GROUND TERMINAL AND 6mm S/S BOLT/WASHER/NUT THROUGH ALUMINUM SHROUD.
6. SEE DWGS E1 AND E3 FOR DUCT DETAILS IN CONCRETE DECK.
7. POWER CONNECTION FOR CCTV TO BE WIRED SEPARATE TO LIGHTING CONTROL AS IT IS TO OPERATE 24/7.
8. LIGHT POLE #1 IS LOCATED ON NEW PEDESTAL ON EXISTING CONCRETE PAD WITH UPDATED FOUNDATION DETAILED ON STRUCTURAL DRAWINGS.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

SHM CANADA
INNOVATIVE ENGINEERING AND DESIGN
STRUCTURAL ENGINEERING | STRUCTURAL HEALTH MONITORING

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Stamp / Etampe

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF PRINCE EDWARD ISLAND
VALID FOR THE YEAR 2022
Tracey L. McDade
No. 1081
DATE: 2022.03.23
LICENSED PROFESSIONAL ENGINEER
PROVINCE OF PRINCE EDWARD ISLAND

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revisions	description	date
0	ISSUED FOR TENDER	2022 03.23

project / projet

WHARF CONSTRUCTION
402, 403, and 404
SAVAGE HARBOUR
QUEENS CO., PE

drawing / dessin

ELECTRICAL
LIGHT POLE, SHROUD
& BOLLARD DETAILS

designed RALPH SMITH, P. ENG. / concu
date 2022.03.23
drawn JODI PARKER / dessiné
date 2022.03.23
approved TRACEY McDADE, P. ENG. / approuvé
date 2022.03.23
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.117999.001
drawing no. / no. du dessin
E4 of 4