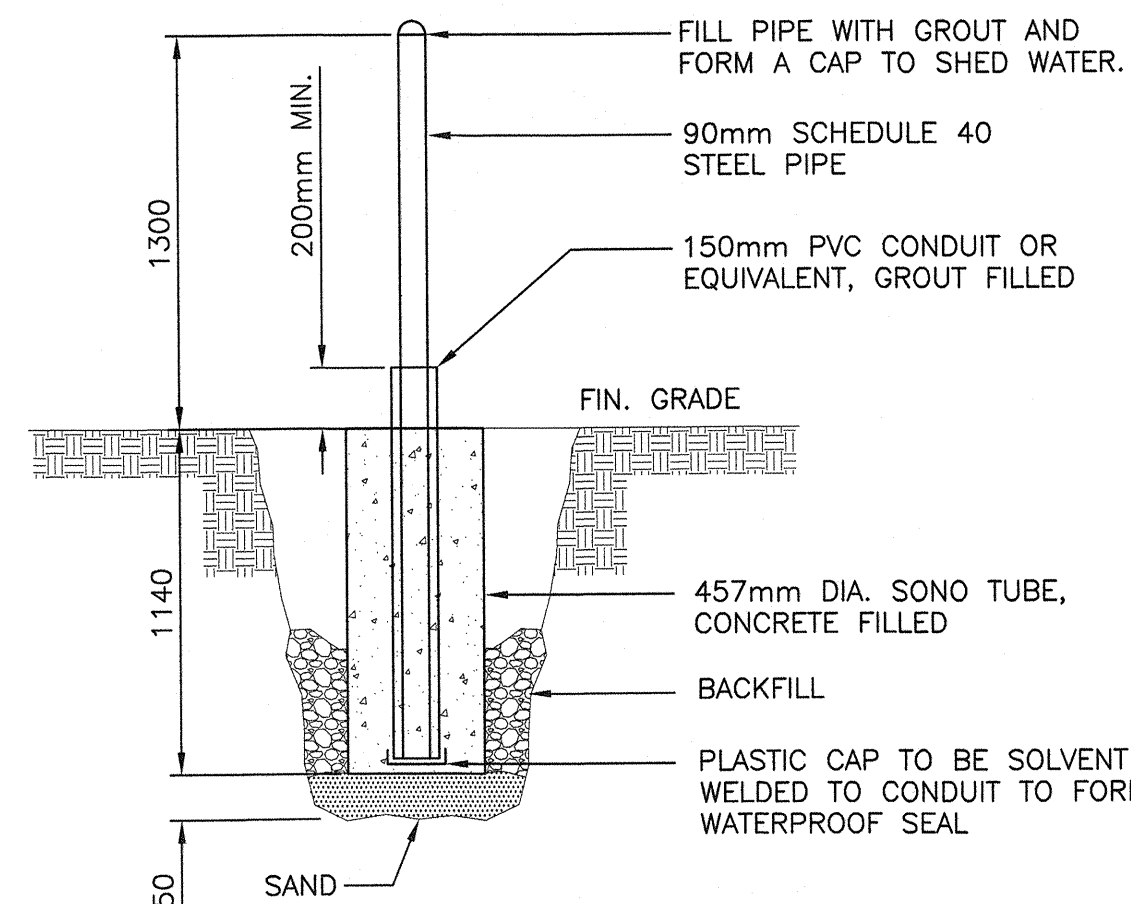


RECEPTACLES IN SHROUD "C"

SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm

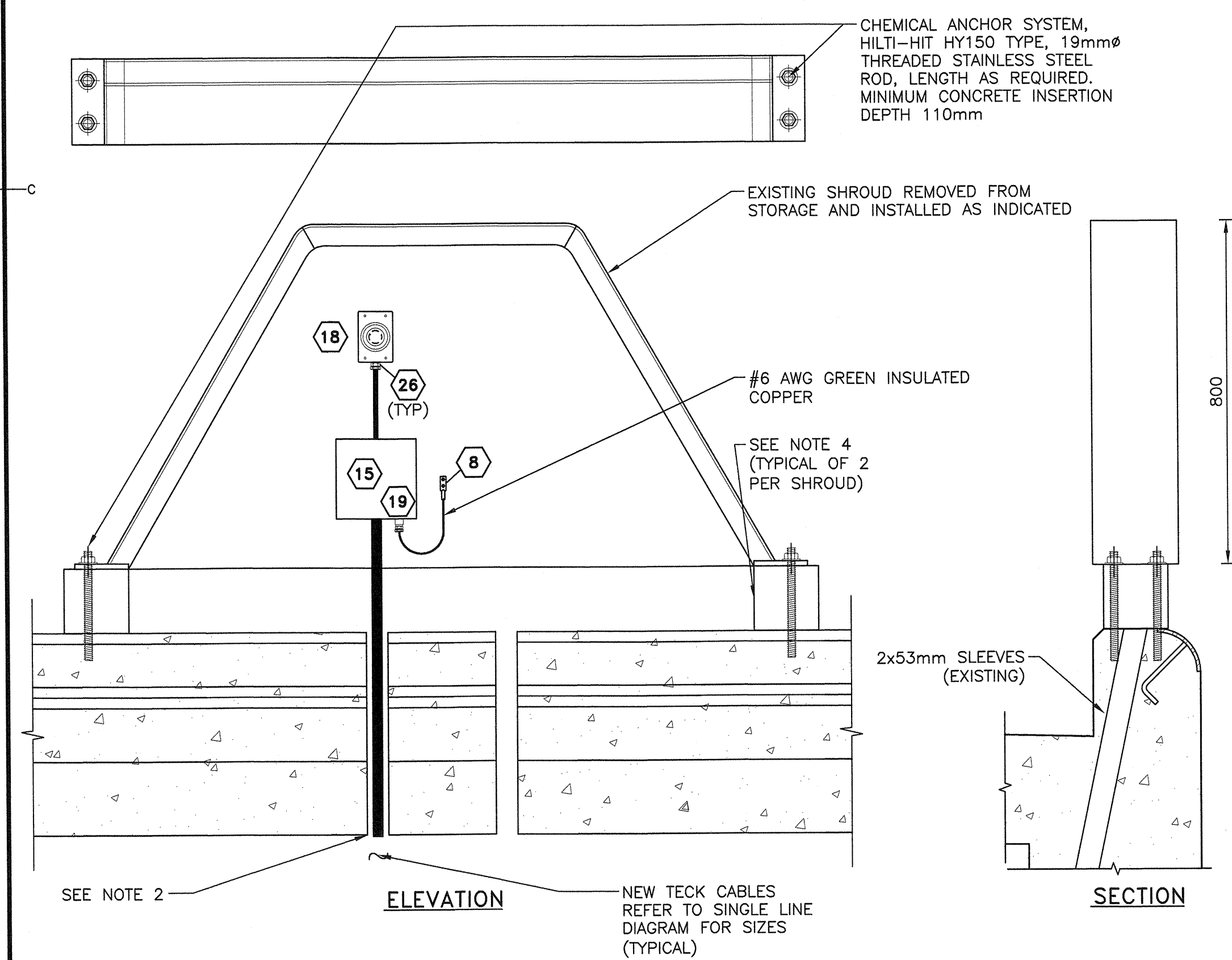
# NOTES:

- CONTRACTOR SHALL ROUTE NEW CABLES BEHIND THE EXISTING WHEELGUARD AND UNDER THE BACKING TO FEED THE NEW SHROUD
- CONTRACTOR SHALL USE EXISTING TWO (2) 53mm CONDUIT SLEEVES TO ACCOMMODATE NEW CABLE ROUTING TO NEW SHROUD.
- CONTRACTOR SHALL RUN NEW TECK CABLE BETWEEN EXISTING TIMBERS BEHIND THE WHEELGUARD TO FEED THE NEW SHROUD.
- CONTRACTOR SHALL FABRICATE, SUPPLY AND INSTALL NEW 150mm x 150mm x 10mm (THICK) STEEL CUBE PREDRILLED AND HOT DIPPED GALVANIZED.



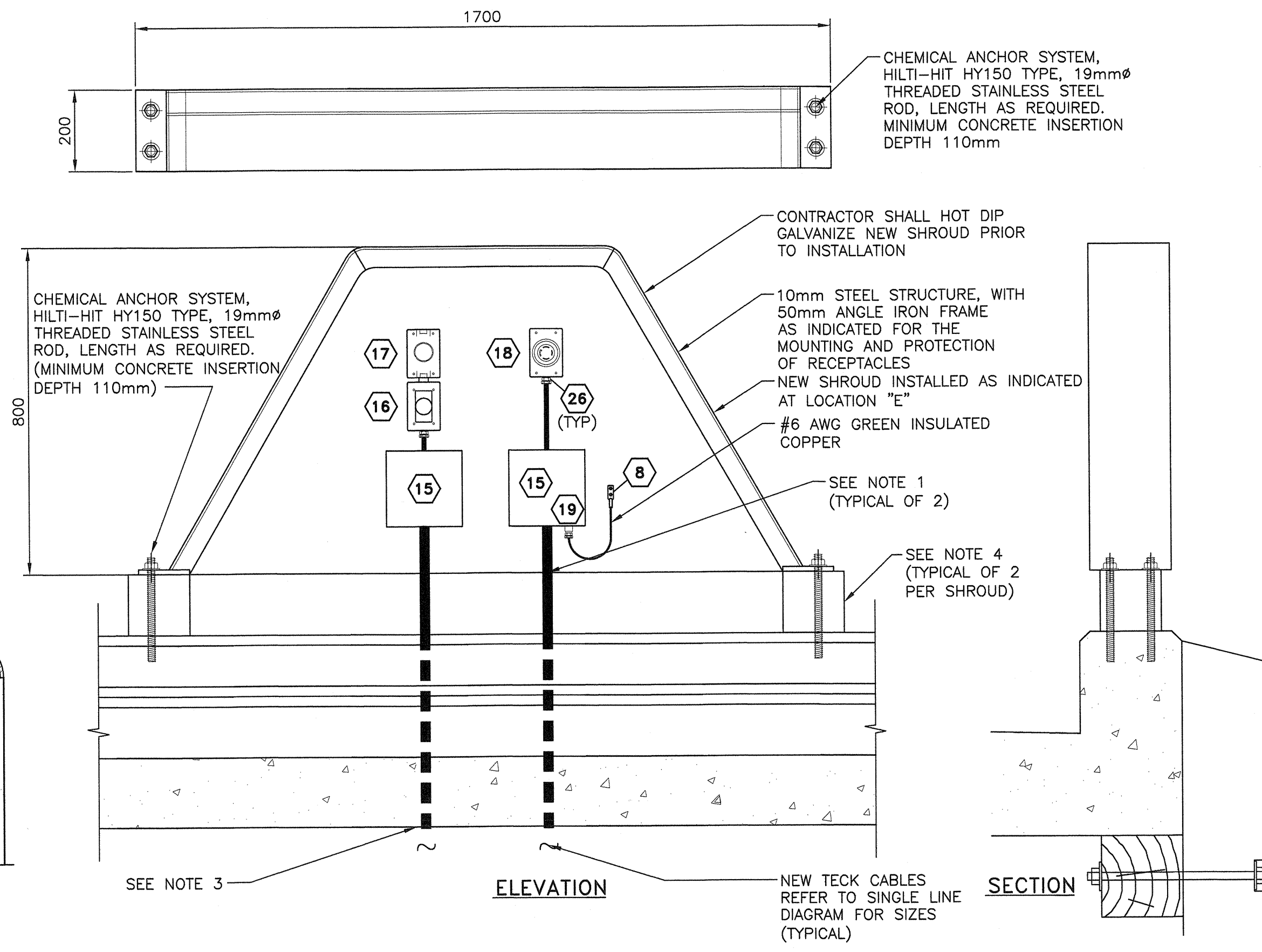
ELECTRICAL BUILDING BOLLARD DETAIL

SCALE: 1:25  
0mm 500mm 1000mm 1500mm 2000mm 2500mm



RECEPTACLES IN SHROUD "D"

SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm

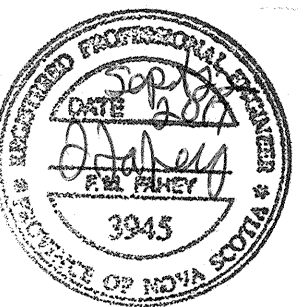


RECEPTACLES IN NEW SHROUD "E"

SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm

## BILL OF MATERIAL

ITEM NO.	QTY.	DESCRIPTION (OR EQUAL)
1	1	GALVANIZED STEEL SERVICE ENTRANCE WEATHERHEAD, 78mm (3"), THOMAS & BETTS IBERVILLE CAT. No. ECIEFA-3
2	1	METER SOCKET BASE, 20A, 600V, 1Ø, WEATHERPROOF TYPE 3R ENCLOSURE, TRANSFORMER RATED UNDERGROUND ENTRANCE C/W COMPONENTS FOR TEST SWITCH THOMAS & BETTS MICROELECTRIC CAT. No. CT105
3	1	78mm COMMERCIAL GRADE LB FITTING, RIGID GALVANIZED STEEL
4	1	SWITCHBOARD, 800A, SERVICE ENTRANCE TYPE, 208/120V, 1Ø, 3W, COPPER BUS, NEUTRAL, GROUND BUS EATON TYPE CMP, 965mm WIDE C/W 400A TYPE KD MAIN CIRCUIT BREAKER AND TYPE EHD BRANCH CIRCUIT BREAKERS; SIZES AS INDICATED ON SINGLE LINE DIAGRAM.
5	1	ENCLOSURE (FOR PANELBOARD "B"), TYPE 316 STAINLESS STEEL, NEMA 4-4X, HEAVY DUTY DIE CAST HINGES, WATER, OIL & DUST RESISTANT GASKET, NOMINAL SIZE, 1220mm (L) x 915mm (H) x 250mm (D), HAMMOND MANUFACTURING CAT. No. HW483610S16HK C/W 12GA INNER EQUIPMENT MOUNTING PANEL
6	1	PANELBOARD (B), 225A, 208V, 1Ø, 3W, 24 CIRCUIT, SURFACE MOUNT, COPPER BUS, NEUTRAL, GROUND BUS EATON CAT. No. P1a1C2-24, C/W BRANCH CIRCUIT BREAKERS (TYPE BAB) AS INDICATED ON THE SINGLE LINE DIAGRAM.
7	AS REQ'D	JUNCTION BOX, PVC MOLDED, OCTAGON, IPEX PART No. 0B15/10, PRODUCT CODE No. 77983, C/W GASKET, COVERPLATE AND STAINLESS STEEL SCREWS.
8	5	IRREVERSIBLE COMPRESSION TERMINALS, LONG BARREL TYPE BURNDY CAT. No. YGA6C-2N
9	1	LIGHTING CONTACTOR, (C1) ELECTRICALLY HELD, 30A, 2 POLE, 120Vac, WITH 120Vac COIL, SQUARE D CAT. No. 89035MA1V02, C/W ONE ONLY HAND-OFF-AUTO SELECTOR SWITCH, WITH LEGEND PLATE, "HAND-OFF-AUTO" MOUNTED ON ENCLOSURE DOOR AND RED PILOT LIGHT.
10	1	PHOTOCELL, 125V, 16.5A, CONDUIT WIRED, PARAGON MODEL No. CW201-00 C/W POLYCARBONATE ENCLOSURE AND SWIVEL BASE.
11	2	BASEBOARD HEATER, 1000W, 208V, DIMPLEX CAT. No. AS8F410-31-68-A2-S C/W DOUBLE POLE BUILT-IN THERMOSTAT
12	2	PHILIPS DAY BRITE INDUSTRIAL WET LOCATION LED (TYPE A), 4300 LUMEN, 4000K, 120V, ACRYLIC LENS, PHILIPS CAT. No. DWAE43L8404UNV
13	1	SPST TOGGLE SWITCH, 15A, 125Vac, EXTRA HEAVY DUTY INDUSTRIAL SERIES, BROWN, HUBBELL CAT. No. HBL1201, MOUNTED IN A SURFACE MOUNTED FD BOX C/W HUBBELL ALUMINUM COVERPLATE, CAT. No. SA1.
14	3	DUPLEX RECEPTACLE, 15A, 125Vac, EXTRA HEAVY DUTY SPECIFICATION GRADE, BROWN, CSA TYPE 5-15R, HUBBELL CAT. No. HBL-5262, MOUNTED IN A SURFACE MOUNTED FD BOX C/W HUBBELL ALUMINUM COVERPLATE, CAT. No. A8
15	11	JUNCTION BOX, FIBREGLASS REINFORCED POLYESTER ENCLOSURE, NEMA 4X, GASKETTED, STAINLESS STEEL SCREWS AND MOUNTING HARDWARE, NOMINALLY 186mm (H) x 186mm (W) x 125mm (D), VYNKIER VJ SERIES CAT. No. VJ606W
16	4	IN-LINE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI), 20A, 125V, HUBELL CAT. No. GFM20 MOUNTED IN A YELLOW, SINGLE-GANG, FIBREGLASS POLYESTER FD BOX HUBBELL CAT. No. HBL60CM84 C/W COVERPLATE HUBBELL CAT. No. FCL-GF AND A 25mm PVC THREADED UNION, WOODHEAD CAT. No. 464 FOR CONNECTION TO SINGLE RECEPTACLE FD BOX.
17	4	SINGLE TWISTLOCK RECEPTACLE, 20A, 125Vac, 2 POLE, 3 WIRE, CORROSION RESISTANT, CSA L5-20R, WITH SINGLE PBT FLIP LID COVERPLATE, HUBBELL CAT. No. HBL67W47, MOUNTED IN A YELLOW, SINGLE GANG, PBT FD BOX, HUBBELL CAT. No. HBL60CM84A
18	4	SINGLE 50A, 250/125V TWISTLOCK RECEPTACLE, 3 POLE, 4 WIRE, CSA SS-2-50R HUBBELL CAT. No. HBL63CM69 C/W 19mm WATER TIGHT 55° ANGLE ADAPTER HUBBELL CAT. No. HBL60CM55, FLIP LID COVERPLATE HUBBELL CAT. No. HBL77CM74W0, MOUNTED IN A YELLOW, SINGLE GANG, POLYBUTYLENE TEREPHTHALATE 25mm WATERTIGHT FD BOX, HUBBELL CAT. No. HBL60CM84A
19	AS REQ'D	CONNECTOR, NON-METALLIC, LIQUIDTIGHT STRAIN RELIEF, THOMAS & BETTS BLACK BEAUTY SERIES.
20	AS REQ'D	BIRD DETERENT SPIKES, STAINLESS STEEL RODS WITH BLUNTED ENDS, UV POLYCARBONATE BASE, WIDE OR XTRA-WIDE DESIGN, C/W BIRD BARRIER BOND FOR CLINGING TO SURFACE AS REQUIRED. REFER TO BIRD BARRIER AMERICA INC. PRODUCT (EAST). TOLL FREE #(800)662-4737 FOR SUPPLY AND INSTALLATION REQUIREMENTS.
21	3	GROUND ROD, COPPER CLAD STEEL, 19mm x 3000mm
22	AS REQ'D	CONNECTOR, GROUND ROD TO CABLE, BRONZE, BURNDY CAT. No. YGHR26C34
23	AS REQ'D	GROUND CABLE, BARE, COPPER, #2/0 AWG
24	AS REQ'D	PIPE CLAMPS, STAINLESS STEEL, TWO (2) HOLE STAMPED THOMAS & BETTS
25	3	PINE POLE, CLASS 4, CGA PRESERVATIVE TREATED, 10.67m (35'), POLES L50, L53 & L54
26	AS REQ'D	TECK CONNECTOR, PVC COATED ALUMINUM, SIZED AS REQUIRED TO SUIT CABLE, THOMAS & BETTS STAR TECK SERIES.
27	2	3000mm (L) X 200mm (W) X 200mm (D) PRESSURE TREATED TIMBER POST
28	4	LUMINAIRE, TYPE III ROADWAY LIGHTING, 120Vac, 140W LED, 700mA DRIVER, GRAY CORROSION RESISTANT FINISH, AEL CAT. No. ATB260BDE70MOLTR3, C/W CAST ALUMINUM BRACKET, HOLOPHANE CAT. No. 0877
29	AS REQ'D	FITTINGS AND BRACKETS, STAINLESS STEEL ANGLE BRACKET THOMAS AND BETTS CAT. No. N205SS6
30	AS REQ'D	PIPE HANGER, STAINLESS STEEL, PIPE SIZE 103mm EATON CAT. No. BL1490
31	AS REQ'D	STAINLESS STEEL HEX HEAD BOLTS, FLAT WASHERS, LOCK WASHERS, ROD COUPLINGS AND MISCELLANEOUS HARDWARE
32		NOT USED
33	AS REQ'D	STAINLESS STEEL CONTINUOUS THREADED ROD 10mm DIAMETER THOMAS & BETTS CAT. No. HTHR037 12SS (OR EQUAL)



1	CAD REVISION	SEPT 2 2017
0	ISSUED FOR TENDER	SEPT 8 2017
revisions		date

project  
**ELECTRICAL SYSTEM UPGRADE  
LARRYS RIVER  
GUYSBOROUGH COUNTY  
NOVA SCOTIA**

drawing  
design

## BILL OF MATERIAL & DETAILS

designed	F. FAHEY	conçu
date	JULY 2017	
drawn	J. THIBAUT	dessiné
date	JULY 2017	
approved		approuvé
date	M. Walsh 25 sept. 17	
Tender		Soumission
PWOSC Project Manager	Administrateur de projets TPSCC	
project number	R.094341.001	no. du projet
drawing no.	E5	no. du dessin