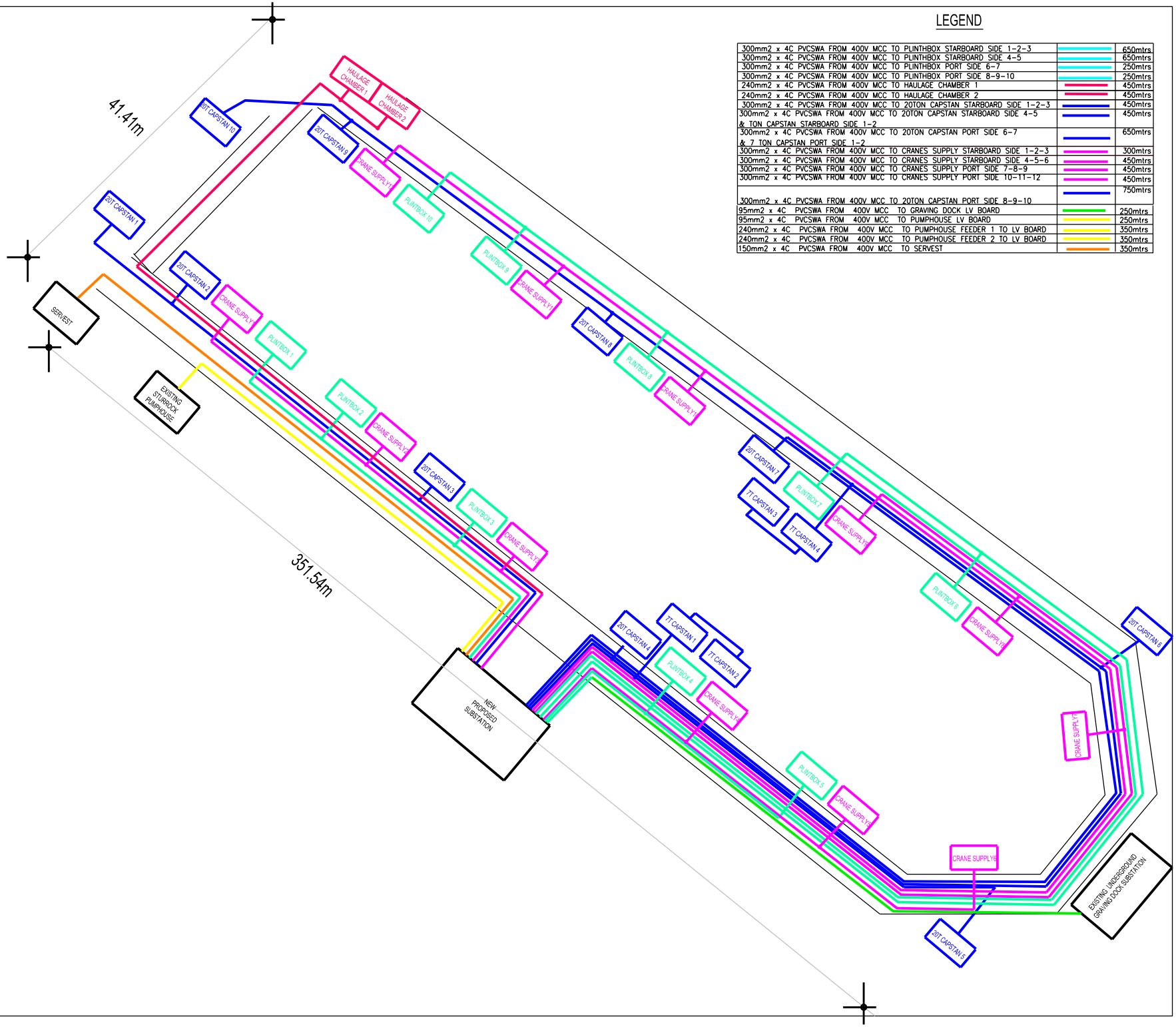

LEGEND
300mm2 x 4C PVCSWA FROM 400V MCC TO PLINTHBOX STARBOARD SIDE 1-2-3 650mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO PLINTHBOX STARBOARD SIDE 4-5 650mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO PLINTHBOX PORT SIDE 6-7 250mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO PLINTHBOX PORT SIDE 8-9-10 250mtrs
240mm2 x 4C PVCSWA FROM 400V MCC TO HAULAGE CHAMBER 1 450mtrs
240mm2 x 4C PVCSWA FROM 400V MCC TO HAULAGE CHAMBER 2 450mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO 20TON CAPSTAN STARBOARD SIDE 1-2-3 450mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO 20TON CAPSTAN STARBOARD SIDE 4-5 & TON CAPSTAN STARBOARD SIDE 1-2 450mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO 20TON CAPSTAN PORT SIDE 6-7 & 7 TON CAPSTAN PORT SIDE 1-2 650mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO CRANES SUPPLY STARBOARD SIDE 1-2-3 300mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO CRANES SUPPLY STARBOARD SIDE 4-5-6 450mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO CRANES SUPPLY PORT SIDE 7-8-9 450mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO CRANES SUPPLY PORT SIDE 10-11-12 450mtrs
300mm2 x 4C PVCSWA FROM 400V MCC TO 20TON CAPSTAN PORT SIDE 8-9-10 750mtrs
95mm2 x 4C PVCSWA FROM 400V MCC TO GRAVING DOCK LV BOARD 250mtrs
95mm2 x 4C PVCSWA FROM 400V MCC TO PUMPHOUSE LV BOARD 250mtrs
240mm2 x 4C PVCSWA FROM 400V MCC TO PUMPHOUSE FEEDER 1 TO LV BOARD 350mtrs
240mm2 x 4C PVCSWA FROM 400V MCC TO PUMPHOUSE FEEDER 2 TO LV BOARD 350mtrs
150mm2 x 4C PVCSWA FROM 400V MCC TO SERVEST 350mtrs
41.41m
351.54m
SERVEST
EXISTING STURROCK PUMPHOUSE
NEW PROPOSED SUBSTATION
EXISTING UNDERGROUND GRAVING DOCK SUBSTATION
HAULAGE CHAMBER 1
HAULAGE CHAMBER 2
20T CAPSTAN 10
20T CAPSTAN 9
20T CAPSTAN 1
20T CAPSTAN 2
20T CAPSTAN 3
20T CAPSTAN 8
20T CAPSTAN 7
7T CAPSTAN 3
7T CAPSTAN 4
20T CAPSTAN 6
20T CAPSTAN 4
7T CAPSTAN 1
7T CAPSTAN 2
20T CAPSTAN 5
PLINTBOX 10
PLINTBOX 9
PLINTBOX 1
PLINTBOX 2
PLINTBOX 3
PLINTBOX 8
PLINTBOX 7
PLINTBOX 6
PLINTBOX 4
PLINTBOX 5
CRANE SUPPLY 1
CRANE SUPPLY 2
CRANE SUPPLY 3
CRANE SUPPLY 4
CRANE SUPPLY 5
CRANE SUPPLY 6
CRANE SUPPLY 7
CRANE SUPPLY 8
CRANE SUPPLY 9
CRANE SUPPLY 10
CLIENT:
TRANSNET
national ports authority
Client Name:
Designation & Section: ELECTRICAL ENGINEER: PORT ENGINEERING
Client Signature:
Project Phase: 0
Date:
Contact No.'s:
No. DATE REVISION DETAIL
00 11-12-2020 ORIGINAL
01 27-11-2022 APPROVED FOR CONSTRUCTION (AFC)
Main Contractor:
Stateway Switchboards (Pty) Ltd.
55 Second Road, Lindes Park Sandton
P.O. Box 1055 Lindes Park 2065
TEL: +27(0) 11 021 7260
FAX: +27(0) 86 503 2258
Main Contractor: STATEWAY SWITCHBOARDS (PTY.) LTD.
ZML Africa Drawing No.: TNPA/2020
Consultant:
Z.M.L Africa Group
Engineering Africa Forward
Site Address:
Sturrock Dry Dock, Cape Town
Building Name:
Combined Pumphouse and Graving Dock Substation
Project Description:
Sturrock Dry Dock Electrical Infrastructure Upgrades:- Sketch Plan
Drawing Description:
Electrical Substation
Site LV Cable Racking and RoutingLayout
Drawn: P.MAZIBUKO
Date: 29 / 07 / 2021
Designer / Checked: M.SHEZI
Scale: NOT TO SCALE
Approved: M.SHEZI
Drawing Size: A1
Prof Reg. No. 20110108
Revision No: 01
Signature: 27/11/2022
Drawing Number: TNPA/2020-000-E-DR-0001
Site & Building No. Floor No. Discipline & Service Type
Sheet Number 001
Project Number
Proposal No 000