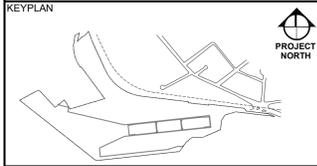
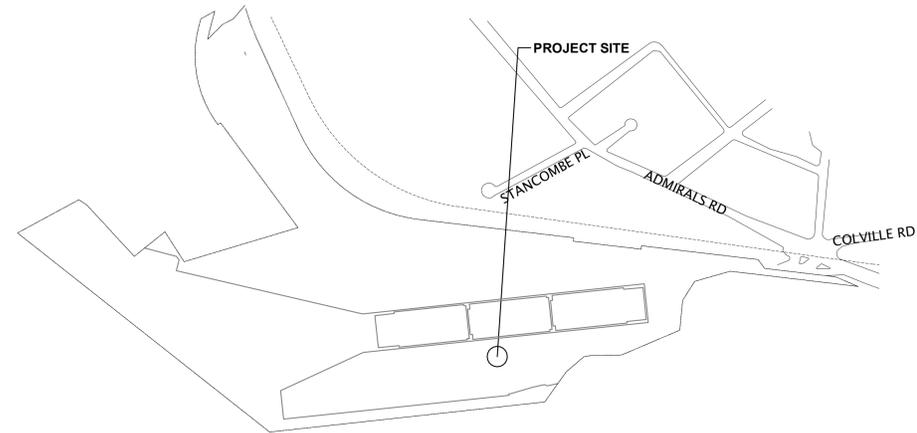


ESQUIMALT GRAVING DOCK SOUTH SUBSTATION SWITCHGEAR REPLACEMENT PROJECT(SSSR)



SHEET NUMBER	DRAWING TITLE
0000	TITLE PAGE AND DRAWING LIST
9000 SERIES - SOUTH SIDE SUBSTATION REPLACEMENT PROJECT (SSSR)	
ELECTRICAL	
5001	ELECTRICAL SYMBOL LEGEND
5002	ELECTRICAL ABBREVIATIONS
5003	ELECTRICAL EQUIPMENT NUMBERING SYSTEM
5010	SINGLE LINE DIAGRAM - HIGH VOLTAGE DISTRIBUTION
5011	SINGLE LINE DIAGRAM - LOW VOLTAGE DISTRIBUTION
5012	HIGH VOLTAGE PROTECTION DIAGRAM
5013	25/12.5kV MAIN BREAKER THREE LINE DIAGRAM
5014	25/12.5kV DISTRIBUTION TYPICAL THREE LINE DIAGRAMS
5015	2.4kV THREE LINE DIAGRAM
5016	600V TYPICAL THREE LINE DIAGRAMS
5017	480V TYPICAL THREE LINE DIAGRAMS
5018	120/208V TYPICAL THREE LINE DIAGRAM
5019	120/208V TYPICAL THREE LINE DIAGRAM
5030	600V SWITCHBOARD DETAILS
5031	480V SWITCHBOARD DETAILS
5032	120/208V SWITCHBOARD DETAILS
5033	430-630V REGULATED SWITCHBOARD DETAILS
5034	BATTERY BANK AND CHARGER DETAILS
5050	EGD SITE SCADA SYSTEM RISER DIAGRAM
5051	SSSR SCADA SYSTEM CONNECTION RISER
5100	SSSR ELECTRICAL SITE PLAN
5101	MAIN FLOOR ELECTRICAL EQUIPMENT
5102	MAIN FLOOR REFLECTED CEILING PLAN
5103	SECOND FLOOR ELECTRICAL EQUIPMENT LAYOUT
5104	CABLE PIT
5105	CABLE PIT TRAY AND WALL ELEVATIONS
5106	CABLE PIT WALL PENETRATION ELEVATIONS
5107	EXISTING TUNNEL CABLE SPLICING AND PULL BOX DETAILS
5108	DOCK SERVICE TUNNEL CABLE AND CONDUIT WORK
5109	SSSR ELECTRICAL SERVICES
5110	SECURITY, COMMUNICATIONS AND SCADA SYSTEM DETAILS
5111	EQUIPMENT, LUMINAIRE AND PANEL SCHEDULES
5112	HIGH VOLTAGE SWITCHGEAR DETAILS AND ELEVATIONS
5113	LOW VOLTAGE STANDBY POWER PANELS DETAILS AND ELEVATIONS
5114	GENERATOR RECONNECTION
5115	DOCK SERVICE ASSEMBLIES 1 OF 2 (DS2-E, DS2-W)
5116	DOCK SERVICE ASSEMBLIES 2 OF 2 (DS2-C)
5117	DOCK SERVICE ASSEMBLIES 3D MODEL
5120	LIFT STATION CONTROL PANEL
5121	LIFT STATION CONTROL PANEL
5122	HARMONIC FILTER BANK EXISTING AND REVISED SINGLE LINE DIAGRAM
5123	SOUTH SIDE SUBSTATION REPLACEMENT HIGH MAST LIGHTING CONTROLLER WIRING
5130	EXISTING SOUTH SIDE SUBSTATION DEMOLITION AND REMEDIATION WORK
5400	SECOND FLOOR GROUNDING LAYOUT
5401	LIGHTNING PROTECTION
5410	EGD DUCT BANK CONDUIT NAMING CONVENTION
5411	MINI MANHOLE DETAILS, GROUNDING AND MISCELLANEOUS DETAILS
5412	EXISTING HIGH VOLTAGE MANHOLE DETAILS
5413	EXISTING LOW VOLTAGE MANHOLE DETAILS
5414	EXISTING COMMUNICATIONS MANHOLE DETAILS
5415	NEW DUCT BANK CROSS SECTION DETAILS 1 OF 4
5416	NEW DUCT BANK CROSS SECTION DETAILS 2 OF 4
5417	NEW DUCT BANK CROSS SECTION DETAILS 3 OF 4
5418	NEW DUCT BANK CROSS SECTION DETAILS 4 OF 4 AND TEMPORARY SERVICE

SHEET NUMBER	DRAWING TITLE
CIVIL	
5501	CIVIL SITE PLAN PROPOSED SITE SERVICING
5502	CIVIL GRADING AND SURFACE TREATMENT
5503	DETAILS AND PROFILES
5504	DETAILS AND PROFILES
STRUCTURAL	
5601	GENERAL NOTES
5602	TYPICAL DETAILS
5603	FOUNDATION & SERVICE PIT PLAN
5604	MAIN FLOOR PLAN & DETAILS
5605	SECOND FLOOR PLAN
5606	ROOF PLAN
5607	BUILDING SECTIONS
5608	ELEVATIONS
5609	SECTIONS & DETAILS SHEET 1
5609	SECTIONS & DETAILS SHEET 2
ARCHITECTURAL	
5700	PROJECT DATA
5701	EXISTING SITE PLAN
5702	NEW SITE PLAN
5703	SERVICE PIT PLAN
5704	MAIN FLOOR PLAN
5705	SECOND FLOOR PLAN
5706	ROOF PLAN
5707	BUILDING NORTH ELEVATIONS (EXISTING AND NEW)
5708	BUILDING SOUTH ELEVATIONS (EXISTING AND NEW)
5709	BUILDING WEST ELEVATIONS (EXISTING AND NEW)
5710	BUILDING EAST ELEVATIONS (EXISTING AND NEW)
5711	BUILDING SECTIONS
5712	BUILDING SECTIONS
5713	REFLECTED CEILING PLANS, DOOR AND DOOR FRAMES
5714	EXISTING SUBSTATION SOUTH EXTERIOR STAIR REPLACEMENT
5715	STAIR 1 PLANS AND SECTIONS
5716	STAIR 4 PLAN, SECTIONS AND DETAILS
5717	STAIRS 2 AND 3 PLANS, SECTIONS AND DETAILS
5718	PLAN DETAILS
5719	SECTION DETAILS
5720	PLAN AND SECTION DETAILS
5721	3D-VIEWS
5722	3D-VIEWS
MECHANICAL	
5800	LEGEND
5801	MAIN FLOOR MECHANICAL
5802	SECOND FLOOR MECHANICAL
5803	MAIN FLOOR PLUMBING
5804	SECOND FLOOR PLUMBING
5805	BASEMENT FLOOR PLUMBING
5806	DETAILS AND SECTION
5807	BASEMENT FLOOR MECHANICAL

SHEET NUMBER	DRAWING TITLE
9900 SERIES - DETAILS	
ELECTRICAL	
5900	EXISTING MAIN SUBSTATION SINGLE LINE DIAGRAM
5901	EXISTING PUMPHOUSE SINGLE LINE DIAGRAM
5902	EXISTING NORTH LANDING WHARF SUBSTATION SINGLE LINE DIAGRAM
5903	EXISTING SOUTH SIDE SUBSTATION SINGLE LINE DIAGRAM
5904	EXISTING STANDBY POWER SYSTEM SINGLE LINE DIAGRAM
5905	COMMUNICATIONS BLOCK DIAGRAM
5906	EGD SITE LIGHTING
5907	SSSR- SSES CONNECTION ROUTE
5923	EXISTING EDG FIRE ALARM SYSTEM
SPECIFIC DETAILS	
5950	EXISTING COMPRESSOR ROOM ARCHITECTURAL
5951	SITE PLAN AND SITE LAYOUT AS-CONSTRUCTED
5952	SANITARY FORCEMAIN PLAN AND PROFILE SOUTH SIDE OF GRAVING DOCK
5953	AS-CONSTRUCTED
5954	EXISTING COMPRESSOR ROOM ELECTRICAL
5955	EXISTING COMPRESSOR SUBSTATION EQUIPMENT LAYOUT
5956	NOT IN USE
5957	NOT IN USE
5958	EXISTING SOUTHSIDE SUBSTATION VENTILATION
5959	EXISTING SOUTHSIDE SUBSTATION
5960	EXISTING SOUTHSIDE SUBSTATION PLAN, SECTIONS AND DETAILS
5961	EXISTING SOUTH SIDE POWER CONVERSION
5962	STRUCTURAL CHANGES
5963	IMPROVEMENTS TO SOUTH LANDING WHARF EAST INFILL AREA SHEET PILING DETAILS
5963	SOUTH SIDE GENERATOR BUILDING PLANS, BUILDING ELEVATION AND FOUNDATION DETAILS
5963	IMPROVEMENTS TO SOUTH LANDING WHARF EAST INFILL AREA GENERAL ARRANGEMENT

Revision/Revisión	Description/Description	Date/Date
5	ISSUED FOR TENDER	2016/01/28
4	ISSUED FOR 90% CD REVIEW	2016/01/06
3	ISSUED FOR 80% CD REVIEW	2015/11/25
2	ISSUED FOR 30% CD REVIEW	2015/10/28
1	ISSUED FOR DESIGN DEVELOPMENT	2015/09/15

Client/client
ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD VICTORIA, BC, V9A 2P1

Project title/Titre du projet
825 ADMIRALS ROAD VICTORIA BC ESQUIMALT GRAVING DOCK ELECTRICAL SAFETY UPGRADE
SOUTH SUBSTATION SWITCHGEAR REPLACEMENT PROJECT (SSSR)

Consultant Signature Box Only

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Drawn by/Dessiné par
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PWSSC Regional Manager, Architectural and Engineering Services/Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Prentipal Paul

Drawing title/Titre du dessin
TITLE PAGE AND DRAWING LIST

Project No./No. du projet	Sheet/Feuille	Revision no./Lo Révision no.
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