

GENERAL NOTES:

- DETAILED REQUIREMENTS FOR MATERIALS AND FABRICATION ARE DESCRIBED IN THE SPECIFICATIONS, FOR CONVENIENCE, CERTAIN EXTRACTS ARE REPRODUCED BELOW. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS & THE SPECIFICATIONS, THE SPECIFICATIONS 1.1.
- 1.2. DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.ELEVATIONS ARE IN METRES, CHART DATUM.
- DIMENSIONS, LAYOUT AND DETAILS OF EXISTING STRUCTURES ARE BASED ON DRAWINGS OBTAINED FROM PUBLIC WORKS AND GOVERNMENT SERVICES CANADA AND MAY BE SUBJECT TO CONSTRUCTION VARIATIONS AND MODIFICATIONS. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONFIGURATION PRIOR TO ANY DEMOLITION AND REMOVAL AND BRING ANY DISCREPANCIES OR POTENTIAL CONFLICTS TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE. REFERENCE DRAWINGS ARE LISTED IN THE SEPCIFICATIONS.
- CONTRACTOR SHALL COMPLETE PRE-CONSTRUCTION SURVEY TO MEET BATHYMETRY DATA COLLECTION REQUIREMENTS A MINIMUM OF TEN (10)
 WORKING DAYS PRIOR TO DREDGING OR DEBRIS REMOVAL WORK, AS
 DESCRIBED IN SECTION 02 21 13 — SURVEYING AND POSITIONING
- THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE DEPARTMENTAL REPRESENTATIVE. LOCATION OF THE CONTRACTOR'S SITE OFFICE AND MATERIAL STORAGE SHALL BE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE
- 1.6. TIDE ELEVATIONS (CHART DATUM)

EXTREME HIGH WATER LEVEL (EHWL) HIGHER HIGH WATER LEVEL (HHWL) MEAN WATER LEVEL (MWL) 1.9m LOWER LOW WATER LEVEL (LLWL)

PWGSC SITE BENCHMARK IS "BOLT". FROM PWGSC PLAN SK4593-1 DATED OCTOBER 1989, "BOLT" IS ELEVATION 4.725m TO PWGSC DATUM, BOLT IS 4.849m ABOVE LLWI; LLWI IS 0.124m BELOW PWGSC DATUM 0.0; LLWI IS 1.871m BELOW GEODETIC ELEVATION.

TO CONVERT FROM GEODETIC DATUM TO CHART DATUM, ADD 1.871m.

TO CONVERT FROM GEODETIC DATUM TO PWGSC DATUM, ADD 1.747m.

TO CONVERT FROM PWGSC DATUM TO CHART DATUM, ADD 0.124m.

THE SOUTH JETTY REMEDIATION WORKS HAVE BEEN DESIGNED FOR FORCES ASSOCIATED WITH USAGE, E.G. LIVE LOADS, CRANE LOADS AND THE ENVIRONMENTAL FORCES SET FORTH IN THE NATIONAL BUILDING CODE OF CANADA, 2010. DESIGN LIVE LOADS FOR SPECIFIC STRUCTURAL COMPONENTS ARE AS SPECIFIED ON THE RELEVANT DRAWINGS. THE DESIGN SERVICE LIFE FOR MAJOR STRUCTURAL COMPONENTS IR COMPONENTS IS:

HIGH MAST LIGHT
BULL RAIL
SAFETY LADDERS
FENDERS 75 YEARS 20 YEARS 20 YEARS 20 YEARS

UNDERPIER AREA LOWER INTERTIDAL AND SUBTIDAL BATHYMETRY WITHIN THE TEMPORARY RE-SUSPENSION BARRIER CONTAINMENT AREA IS FROM FEBRUARY 2009, JUNE 2010 AND JANUARY 2011 CRA CANADA SURVEYS LTD. MULTI BEAM SURVEY. UPPER INTERTIDAL ELEVATIONS FROM SEPTEMBER 2009 AND JULY 2011 SURVEY BY FOCUS CORPORATION. OPEN WATER AREAS OUTSIDE OF THE TEMPORARY RE-SUSPENSION BARRIER CONTAINMENT AREA WERE DREDGED AS PART OF THE PHASE 1B OPEN—WATER REMEDIATION PROJECT. OPEN WATER BATHYMETRY SURVEY WAS CONDUCTED BY CRA CANADA SURVEYS INC. ON 2014/03/05 FOLLOWING COMPLETION OF PHASE 1B WORK.

- 1.11. SCALES INDICATED ON DRAWINGS ARE FULL SIZE A1 DRAWINGS.
- THE EXISTING SOUTH JETTY SHEET PILE PERIMETER WALL WAS 1.12. THE EXISTING SOUTH JETTY SHEET PILE PERIMETER WALL WAS DESIGNED AS A TEMPORARY STRUCTURE WITH A DESIGN SERVICE LIFE FOR MAJOR STRUCTURAL COMPONENTS OF 10 YEARS, FOR DETAILS AND CONFIGURATION OF EXISTING SHEET PILE PERIMETER WALL, REFER TO THE PROJECT REFERENCE DRAWINGS. SISSMIC LOADS WERE NOT CONSIDERED FOR THE SHEET PILE CONTAINMENT WALL AS IT IS CONSIDERED A TEMPORARY STRUCTURE.
- DESIGN LOADS ON SHEET PILE PERIMETER WALL WHEN RE—DRIVEN TO ELEVATION SHOWN ON THE DRAWINGS, AND WHEN JETTY DECK SUPPORT CONDITION HAS BEEN REMOVED: PROPWASH LOADS:

A.) CONTRACTOR TUG (500 HP)

25% POWER 1 THRUSTER - 5m FROM WALL

B.) SEASPAN HAWK 10% POWER 2 THRUSTERS - 15m FROM WALL

FOR ALLOWABLE DECK LOADS, SEE APPENDIX TO THE SPECIFICATIONS. EGD LOAD RATING LAYOUT, SKETCH 2 (KM ENGINEERING GROUP INC. 2005), SUPPLEMENTED BY MORE RECENT RECORD DRAWINGS FOR WEST/SOUTH CRANE PAD REHABILITATION WORKS

1.15 TYPICAL ABBREVIATIONS:

APPROX/~ BC BOT C/C CCTV CD C.I.P. CRB CSRS CL C/W CJ Ø DU Q	APPROXIMATE(LY) BRITISH COLUMBIA BOTTOM CENTRE TO CENTRE CLOSED CIRCUIT TELEVISION CHART DATUM CAST IN PLACE CONCRETE ROAD BARRIER CANADIAN SPATIAL REFERENCE SYSTEM CLEAR COMPLETE WITH CONSTRUCTION JOINT DIAMETER DREDGE UNIT CENTERLINE	DWG E EF EGD EHWL EL EQ SP EW JT FF GALV H HA HHWL GALV	DRAWING EASTING EACH FACE ESQUIMALT GRAVING DOCK EXTREME HIGH WATER LEVEL ELEVATION EQUALLY SPACED EACH WAY EXPANSION JOINT FAR FACE GALVANIZED HORIZONTAL HECTARES HIGHER HIGH WATER LEVEL GALVANIZED GALVANIZED

2. TEMPORARY RE-SUSPENSION BARRIERS:

SEE SPECIFICATIONS FOR DESIGN REQUIREMENTS REGARDING TEMPORARY RE-SUSPENSION BARRIERS.

3. CONCRETE:

- ALL DECK SLAB CONCRETE AT THE HIGH MAST LIGHT SHALL HAVE COMPRESSIVE STRENGTH OF 45 MPa @ 28 DAYS. ALL OTHER CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 30 MPa @ 28 DAYS.
- 3.4. ALL EXPOSED EDGES SHALL HAVE 20mm CHAMFER, U.N.O.

4. CONCRETE REINFORCEMENT:

- REINFORCING BARS SHALL BE UNCOATED BILLET STEEL BARS CONFORMING TO CAN/CSA G30.18-09, 400 MPa MIN. YIELD OR ASTM A615 GRADE 75 WHERE INDICATED.
- 4.2. DESIGNATION OF REINFORCING BARS:

3-10M0800 MEANS THREE 10M BARS 800 LONG. 2-C20M1500 MEANS TWO 20M BARS, EACH WITH A 90 DEGREE STANDARD HOOK ON EACH END AND A TOTAL LENGTH OF 1500 PER BAR.

DENOTES BOTTOM BARS.
DENOTES TOP BARS.

DIMENSIONS TO REINFORCEMENT ARE TO CENTRE LINES OF BARS, EXCEPT WHERE CONCRETE COVER OR CLEARANCE BETWEEN BARS IS

4.4. CONCRETE COVER FOR REINFORCEMENT (CAST-IN-PLACE): mm TOP SURFACES OF JETTY STRUCTURES ALL OTHER CONCRETE FACES, U.N.O.

5. STRUCTURAL STEEL AND STEEL FABRICATIONS:

5.1. STRUCTURAL STEEL SHALL MEET CAN/CSA G40.20-04 FOR GENERAL REQUIREMENTS, AND CAN/CSA G40.21-04 FOR QUALITY.

GRADES OF MATERIAL, UNLESS NOTED OTHERWISE: STRUCTURAL STEEL AND MISC. METAL 350W BOLTS, NUTS AND WASHERS ASTM A 350W ASTM A325M ASTM A307 CONCRETE ANCHOR RODS ASTM A193 GRADE B7

- 5.2. ALL STEEL TO BE HOT DIPPED GALVANIZED, U.N.O.
- 5.3. EXPOSED METALWORK TO BE GROUNDED PER SPECIFICATION 26 05 27.

6. TIMBER AND TIMBER PILES:

- 6.1. THESE NOTES APPLY UNLESS NOTED OTHERWISE ON THE DRAWINGS
- ALL TIMBER WORK SHALL CONFORM TO CSA 086.01, DFO TECHNICAL REPORT GUIDELINES TO PROTECT FISH AND FISH HABITAT FROM TREATED WOOD USED IN AQUATIC ENVIRONMENTS IN THE PACIFIC REGION AND GOOD MARINE TIMBER PRACTICE.
- DIMENSIONS TO AND OF EXISTING TIMBER ARE BASED ON REFERENCE DRAWINGS AND REQUIRE SITE CONFIRMATION BY THE 6.3.
- 6.4. SAWN TIMBER SHALL BE NO. 1 COASTAL DOUGLAS FIR.
- PRESSURE TREATMENT OF TIMBER SHALL BE IN ACCORDANCE WITH 6.5. CSA-080 SERIES-08 (R2012).
- THE TOPS OF THE REINSTATED FENDER PILES AND DOLPHINS SHALL BE CUT AT 1 VERTICAL TO 5 HORIZONTAL TOWARDS THE WATER PRIOR TO CAPPING. THE CUT FACE SHALL BE TREATED WITH 2 COATS OF COPPER NAPHTHENATE AND ONE COAT OF TROWEL MASTIC AT LEAST 6mm THICK. THE PILE TOP SHALL THEN BE COVERED WITH A SHEET OF 0.8mm (2.2 GAUGE) ANNEALED CORROSION RESISTANT ALUMINUM CUT 150mm WIDER THAN THE DIAMETER OF THE PILE TOP. THE OVERTHANGING EDGES SHALL BE CRIMPED AND TURNED DOWN AND NAILED WITH 8 ALUMINUM ROOFING NAILS.
- ALL BOLT HOLES THROUGH TIMBER PILES SHALL BE TREATED WITH 2 COATS OF NAPHTHENATE PRIOR TO BOLTING. THIS APPLIES TO NEW HOLES AND TO RE-USED HOLES. 6.7.
- HOLES AND UNUSED BOLT HOLES IN EXISTING PILES SHALL BE PULGEED FULL LENGTH WITH TAPERED TIGHT FITTING TREATED
 HARDWOOD DOWELS. COPPER NAPHTHENATE SHALL BE POURED OR
 SWABBED INTO THE HOLE AND THE DOWEL SHALL BE TREATED PRIOR
- BOLTS IN TIMBERS AND PILES SHALL CONFORM TO ASTM A307 GRADE A WHEREVER STANDARD BOLT LENGTHS ARE SUITABLE. BOLTS SHALL BE TIGHTENED FROM THE NUT END.
- BOLTS IN TIMBERS AND PILES FOR NON STANDARD LENGTHS SHALL BE THREADED CONFORMING TO ASTM A307 GRADE C. WASHERS SHALL BE PROVIDED AT BOTH NUT AND BOLT HEAD. WASHERS SHALL BE MALLEABLE IRON, OGE, OR ROUND PLATE WASHERS, WASHER DIAMETER BY THICKNESS SHALL BE 70X6 FOR 16 DIAMETER: 85x8 FOR 19 DIAMETER: AND 100X10 FOR 25 DIAMETER BOLTS. POLYURETHANE MASTIC SHALL BE PLACED UNDER ALL WASHERS
- 6.11. LAG BOLTS SHALL CONFORM TO CSA STANDARD B34

H HA HHWL ID	HORIZONTAL HECTARES HIGHER HIGH WATER LEVEL INNER DIAMETER	NAD NF No. NOM	NORTH AMERICAN DATUM NEAR FACE NUMBER NOMINAL	REV SIM. SQ STA
INV LLWL LTD.	INVERT LOWER LOW WATER LEVEL LIMITED	N.T.S. O.D. PL	NOT TO SCALE OUTSIDE DIAMETER PLATE	STD. SS
m MAX MIN	METRE MAXIMUM MINIMUM	PROJ PWGSC	PROJECTION PUBLIC WORKS AND GOVERNMENT SERVICES CANADA	TBD T.O. T.O.C
mm MPa MWL N	MILLIMETRE MEGAPASCAL MEAN WATER LEVEL NORTHING	RAD.,R REF. REINF	RADIUS REFERENCE REINFORCING	T.O.R TRB TRBC
N	NORTHING	REQ/REQ'D	REQUIRED	

REVISION SIMILAR SQUARE STATIONING STANDARD STAINLESS STEEL TO BE DETERMINED TOP OF CONCRETE TEMPORARY RESUSPENSION BARRIER TEMPORARY RESUSPENSION BARRIER CONTAINMENT AREA PLAN VIEWS: -BASELINE -SECTION IDENTIFICATION - SECTION DESIGNATION DRAWING

△ CONTROL MONUMENT

SYMBOLS:

NORTHING AND EASTING COORDINATE (UTM ZONE 10 GRID, NAD 83)

TYPICAL UNLESS NOTED OTHERWISE UNDER SIDE TYPICAL U/S TYP. ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE UNIVERSAL TRANSVERSE MERCATOR VERTICAL EASTING NORTHING UHMW UTM ELEVATION IN METRES

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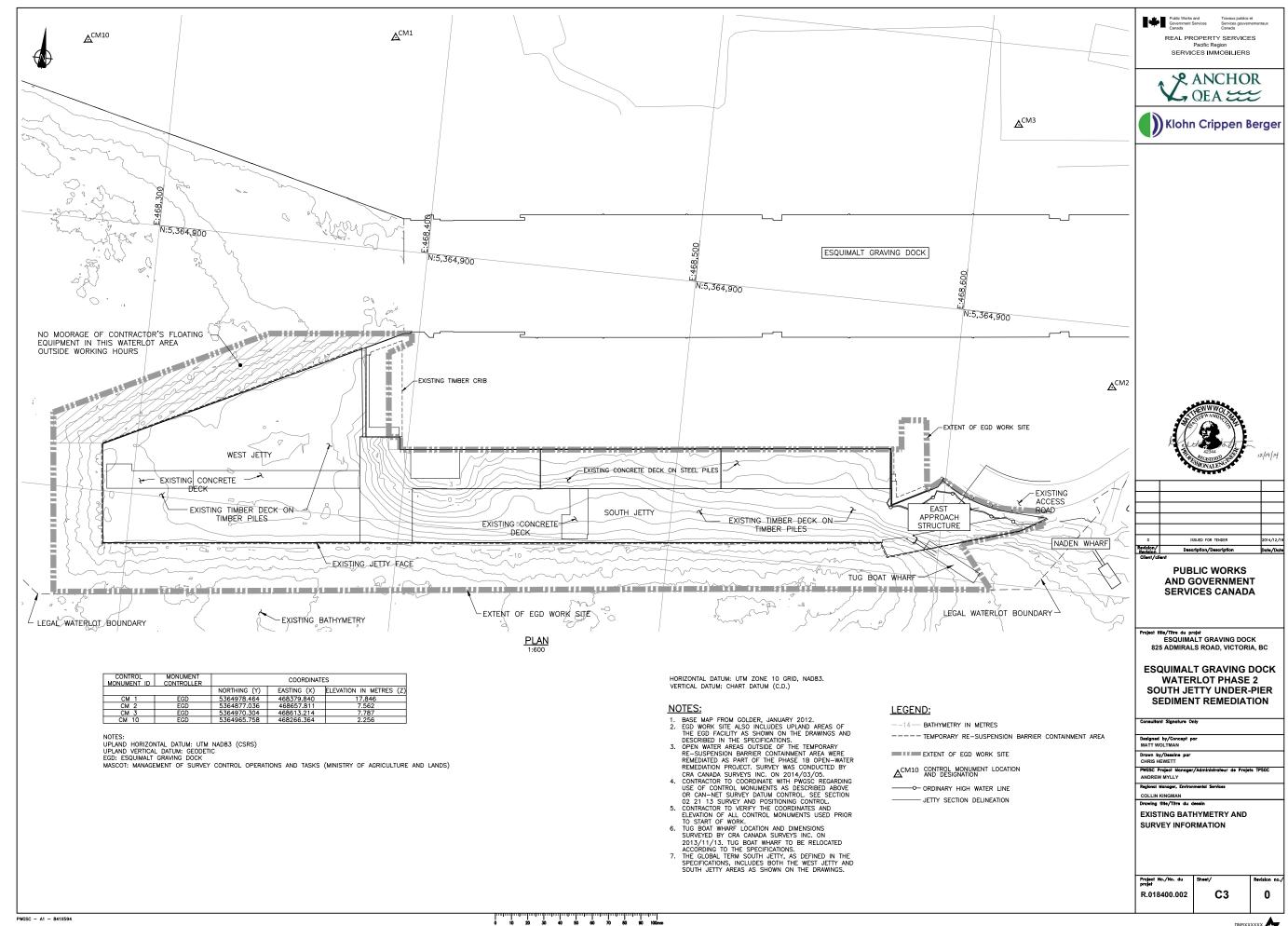
roject title/Titre du projet
ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC

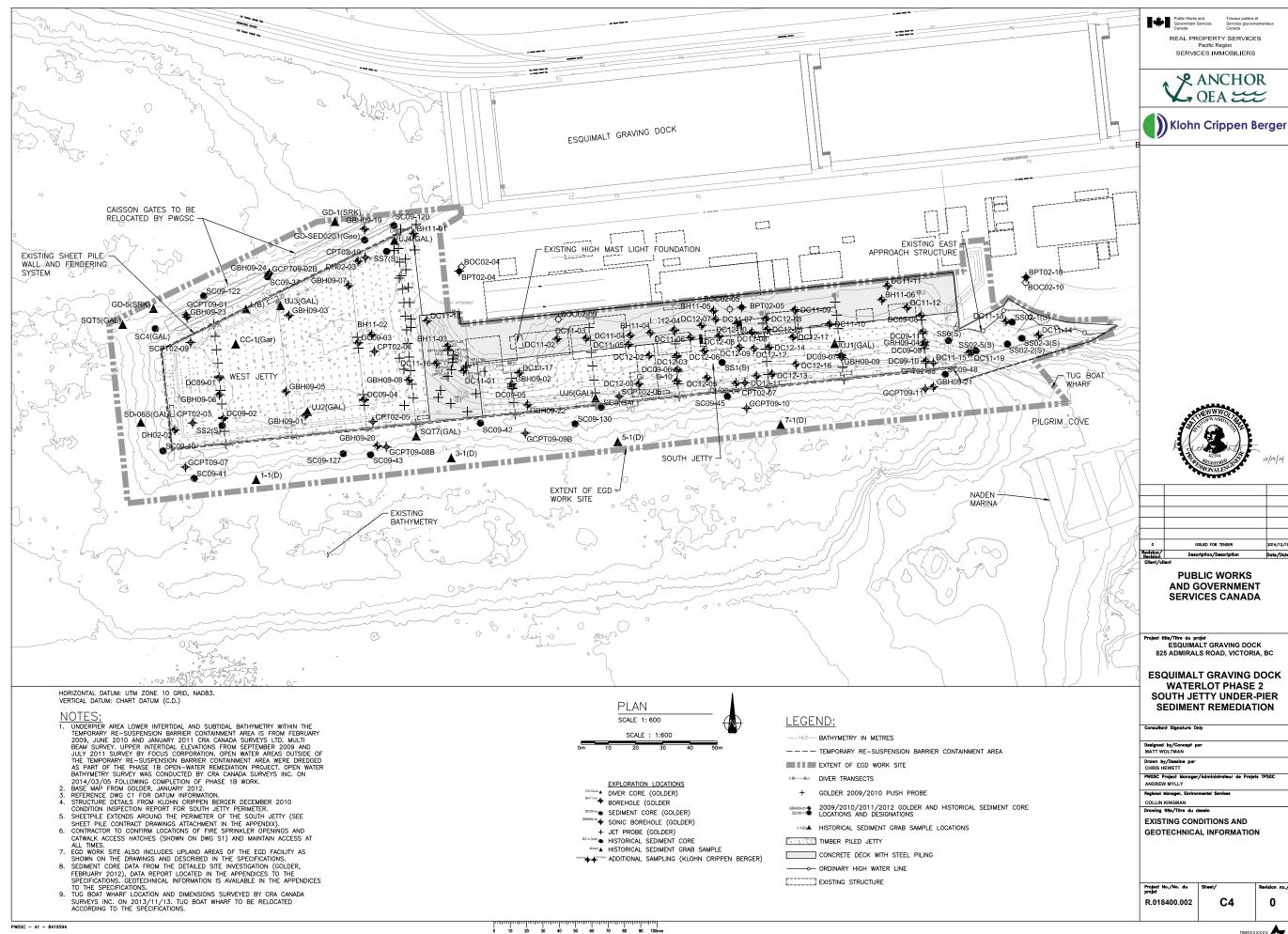
ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 **SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION**

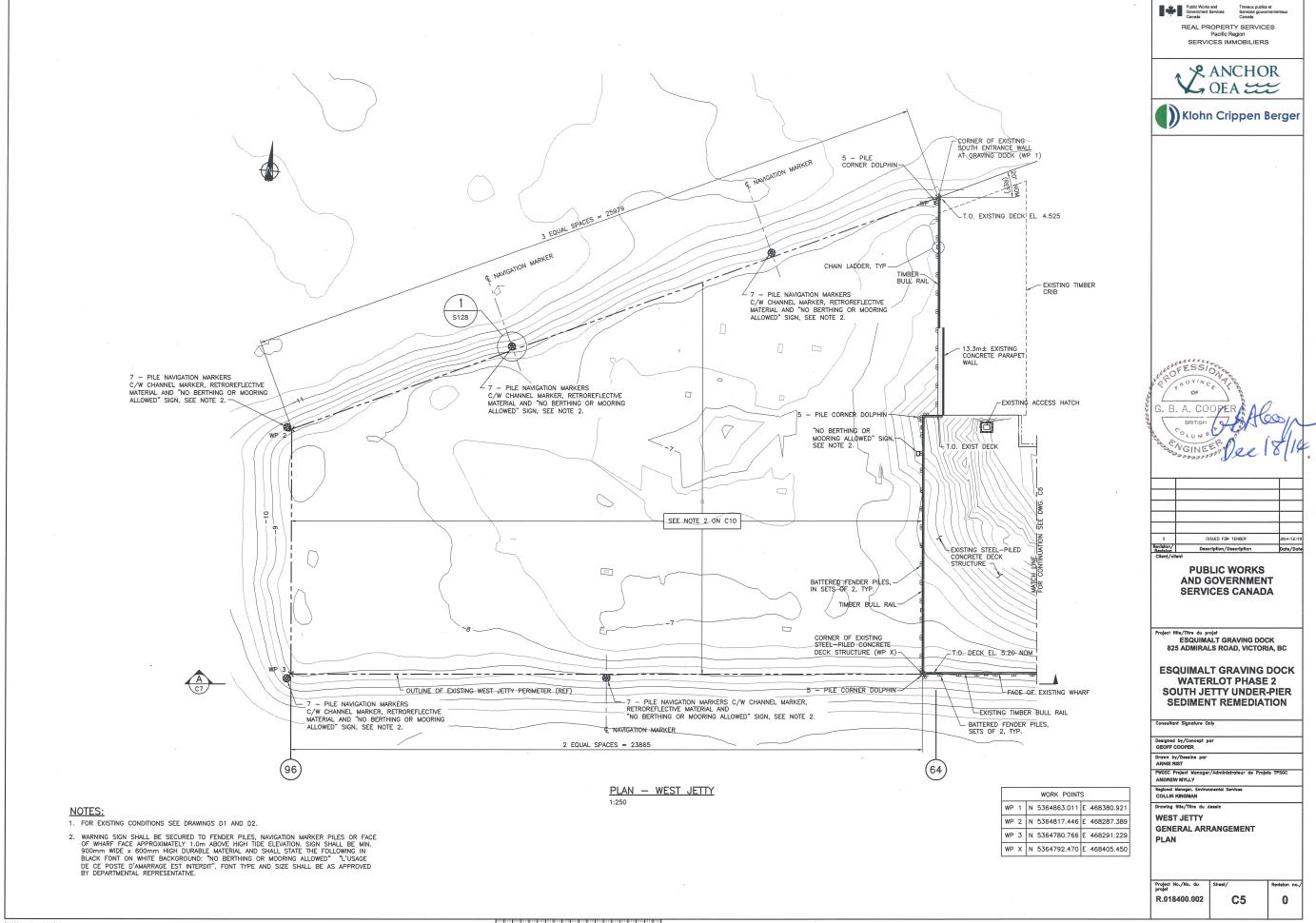
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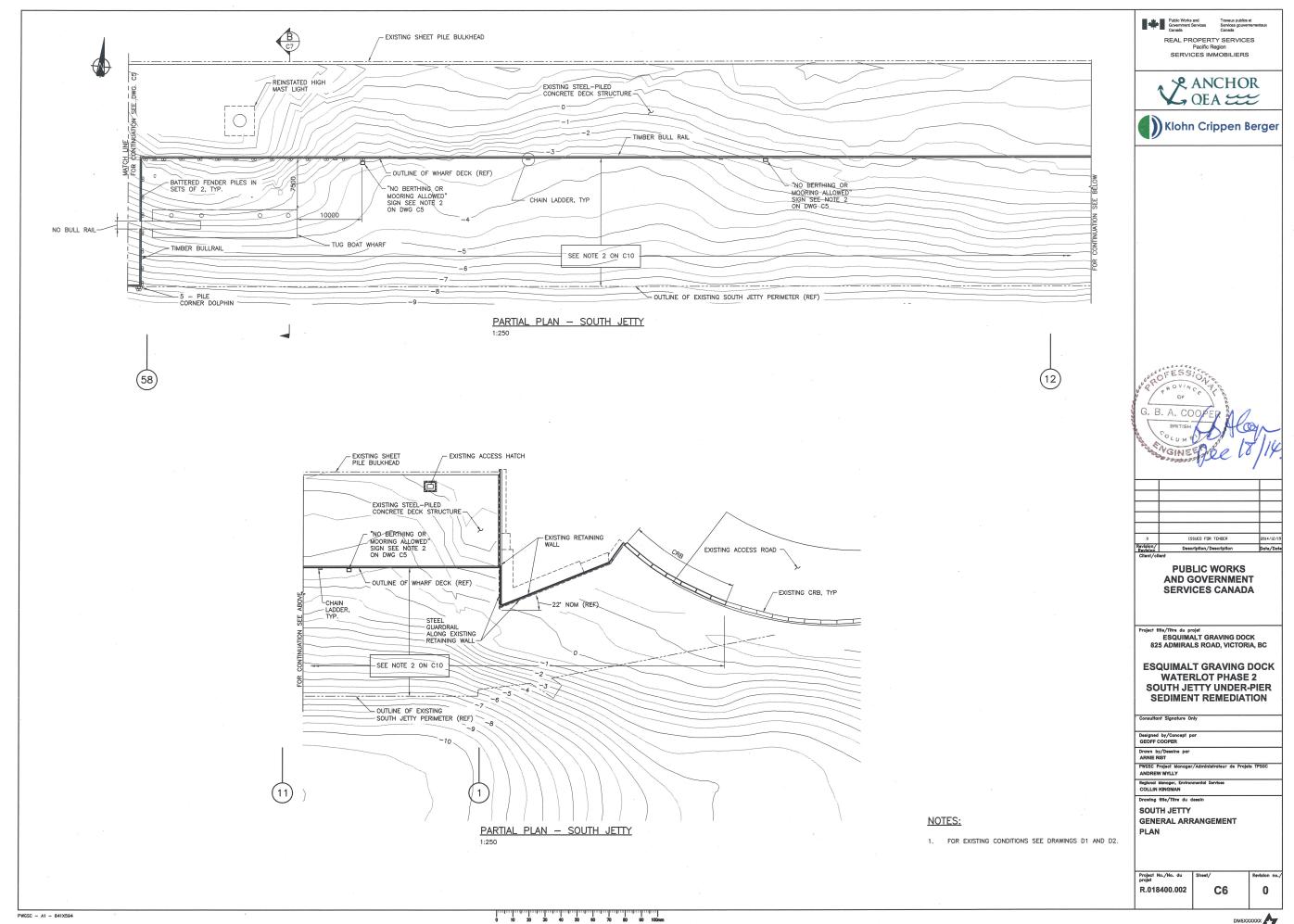
NOTES AND ABBREVIATIONS

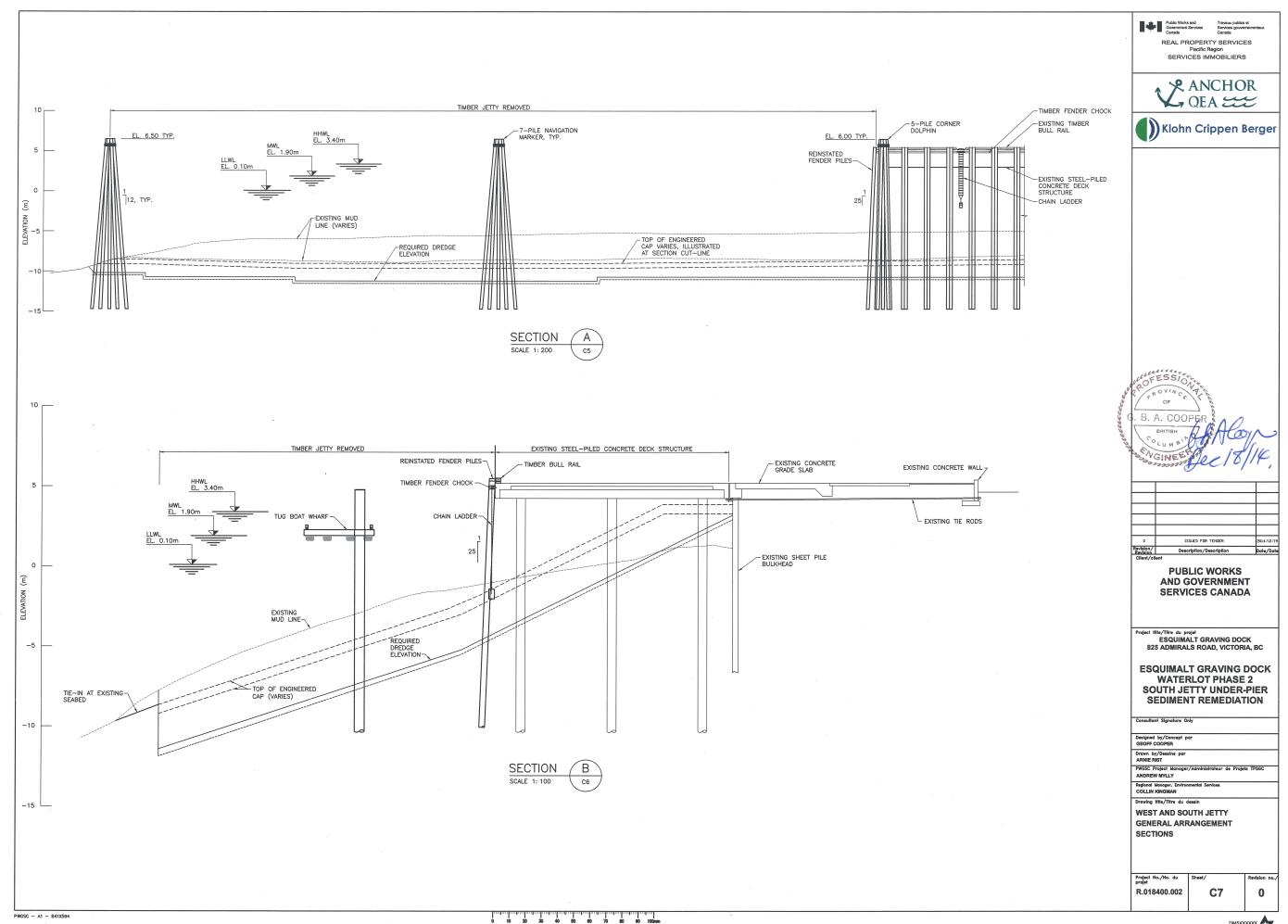
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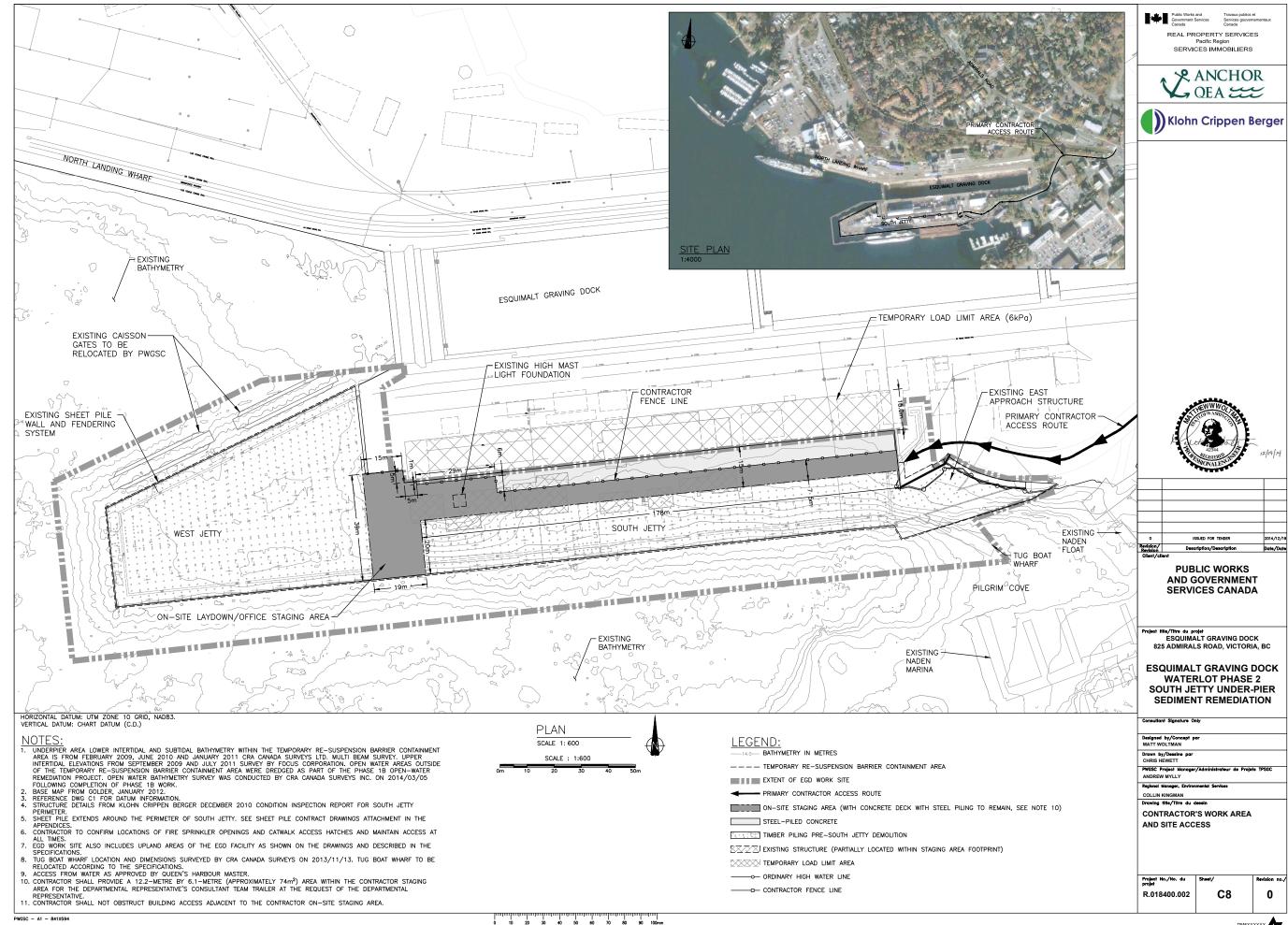












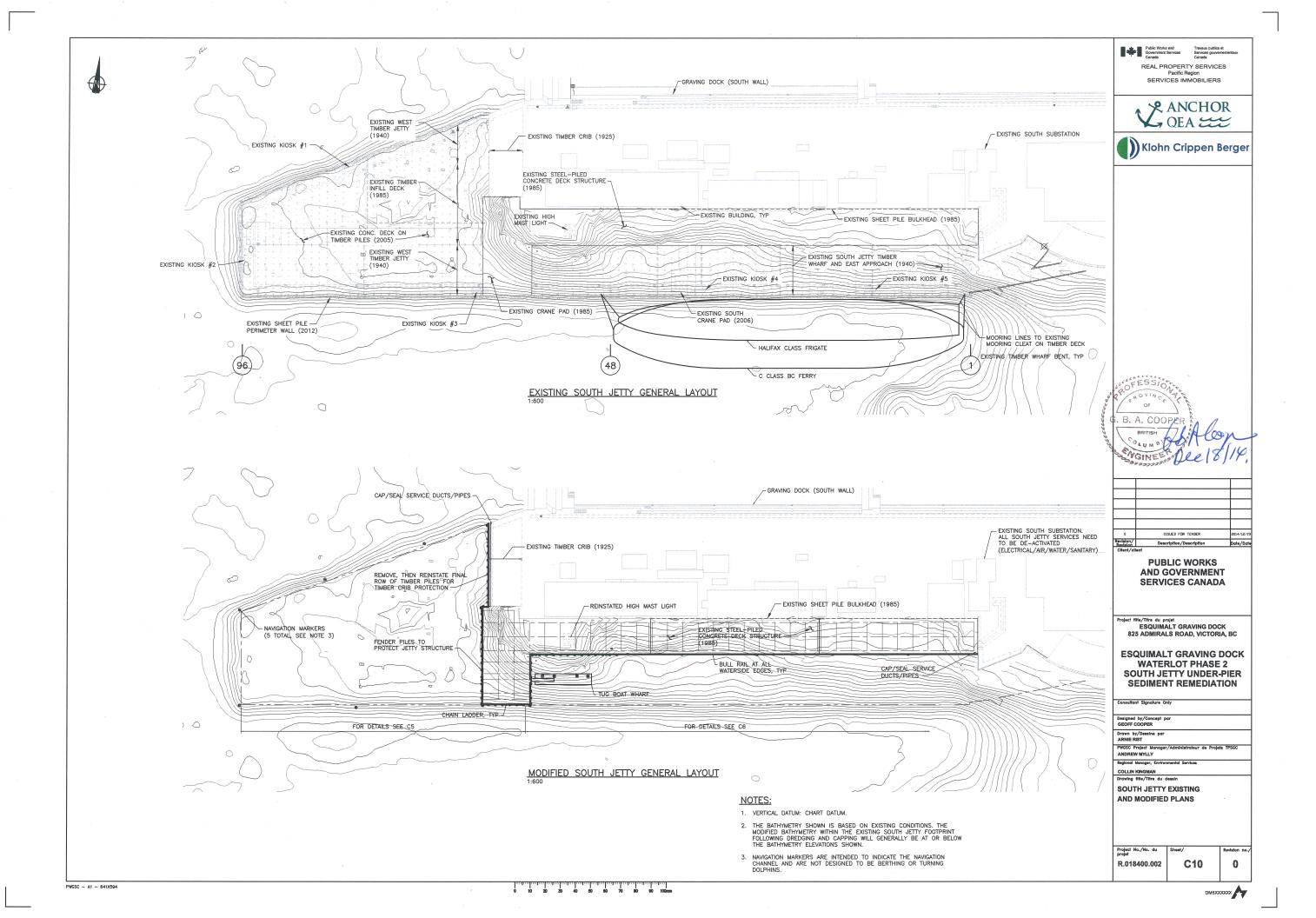




PHOTO C14-01 SOUTH JETTY SHEET PILE WALL - NOTE SMALL BOAT ACCESS OPENING



PHOTO C14-02 STEEL PILED CONCRETE DECK LOOKING EAST - NOTE TIMBER PILE REMNANTS AND LOWER SHEET PILING





PHOTO C14-03 STEEL PILED CONCRETE DECK LOOKING EAST - NOTE BATTER PILES AND TIMBER PILE REMNANTS



PHOTO C14-04 STEEL PILED CONCRETE DECK LOOKING WEST - NOTE CATHODIC PROTECTION CABLES AT SLAB SOFFIT



PHOTO C14-05 STEEL PILED CONCRETE DECK NEXT TO TIMBER PILED WEST JETTY - NOTE TIMBER FIRE STOP WALL AND CROSS-BRACING



PHOTO C14-06 PAINTED SHEET PILE BULKHEAD - NOTE CATHODIC PROTECTION AND REMNANTS OF LOWER SHEET PILING (TIDE APPROX. EL+1.0M)



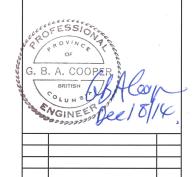
PHOTO C14-07 REMNANTS OF LOWER SHEET PILING -NOTE SHEET PILED BULKHEAD IN BACKGROUND



PHOTO C14-08 STORMWATER OUTFALL AT SHEET PILE BULKHEAD



PHOTO C14-09 OPEN STEEL PIPE PILE UNDER STEEL PILED CONCRETE DECK - NOTE SAFETY RISK



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Project HHe/Titre du projet
ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 **SOUTH JETTY UNDER-PIER** SEDIMENT REMEDIATION

Designed by/Con-GEOFF COOPER

Drawn by/Dessine pa MIKE BRIDDEN

ANDREW MYLLY

Drawing title/Titre du dessi

PHOTOGRAPHS OF **EXISTING CONDITIONS** SHEET 1

Project No./No. du projet R.018400.002

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PHOTO C15-01 TIMBER PILED JETTY AT EAST APPROACH - NOTE RIPRAP FORESHORE SLOPE



PHOTO C15-02 TIMBER PILED JETTY - TYPICAL VIEW AT EAST APPROACH JETTY LOOKING WEST



PHOTO C15-04 TIMBER PILED JETTY - TYPICAL VIEW LOOKING EAST (BEFORE SHEET PILE PERIMETER WALL WAS INSTALLED)



PHOTO C15-05 TIMBER PILED JETTY - VIEW AT EAST END FIRE STOP WALL AND CATWALK (BEFORE SHEET PILE PERIMETER WALL WAS INSTALLED)



PHOTO C15-06 TIMBER PILED JETTY AT INTERFACE WITH STEEL PILED DECK- NOTE RIPRAP ON FORESHORE AND MISCELLANEOUS CONCRETE FOOTINGS



PHOTO C15-07 TIMBER PILED JETTY - TYPICAL VIEW UNDER WEST CRANE PAD



PHOTO C15-03 TIMBER PILED JETTY AT TIMBER CRIB LOOKING SOUTH - NOTE FENDERING AT FACE OF TIMBER CRIB



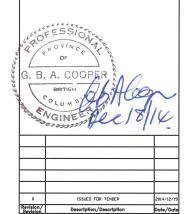
PHOTO C15-08 TIMBER INFILL DECK CONSTRUCTION - NOTE CONDITION OF TIMBER AT THIS STRUCTURE



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825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

Drawn by/Dessine par MIKE BRIDDEN

ANDREW MYLLY

Drawing title/Titre du dessi

PHOTOGRAPHS OF **EXISTING CONDITIONS** SHEET 2

Project No./No. du R.018400.002

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PHOTO C16-01 SOUTH JETTY CATWALK LADDER ACCESS AND CABLING LAYOUT



PHOTO C16-06 CONCRETE-FACED TIMBER CRIB NEXT TO TIMBER JETTY PILINGS



PHOTO C16-02 SOUTH JETTY CATWALK WITH MECHANICAL AND ELECTRICAL SERVICES



PHOTO C16-04 UNDER-PIER MECHANICAL AND ELECTRCIAL SERVICES AT TIMBER FIRE STOP WALL



PHOTO C16-07 UNDER-PIER CATWALK AT KIOSK LOCATION - LOOKING EAST



PHOTO C16-03 UNDER-PIER CATWALK - TYPICAL CABLE



PHOTO C16-05 UNDER-PIER CATWALK AT KIOSK LOCATION - LOOKING WEST



PHOTO C16-08 ELECTRICAL CABLING IN DOCK SERVICE TUNNEL (AT TUNNEL END, JUST EAST OF TIMBER CRIB)



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Revision/ Revision	Description/Description	Date/D
0	ISSUED FOR TENDER	2014/12

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ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 **SOUTH JETTY UNDER-PIER**

Designed by/Concep GEOFF COOPER

Drawn by/Dessine par MIKE BRIDDEN

PWGSC Project Manager ANDREW MYLLY

COLLIN KINGMAN

Drawing title/Titre du dessin

PHOTOGRAPHS OF

EXISTING CONDITIONS SHEET 3

Project No./No. du R.018400.002

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PHOTO C17-01 CABLE TRAY UNDER CONCRETE DECK LOOKING EAST FROM WEST TIMBER PILED JETTY (BEFORE SHEET PILE PERIMETER WALL WAS INSTALLED



PHOTO C17-02 HIGH MAST LIGHT ABOVE STEEL PILED CONCRETE DECK - NOTE LIMITED SIZE OF DECK OPENING



PHOTO C17-03 HIGH MAST LIGHT FOUNDATION UNDER STEEL PILED CONCRETE DECK - NOTE TIMBER FORMS LEFT IN PLACE



PHOTO C17-04 FORESHORE FILL MOUND UNDER STEEL PILED CRANE PAD - LOOKING WEST



PHOTO C17-05 FORESHORE FILL MOUND UNDER STEEL PILED CRANE PAD - LOOKING NORTHWEST TOWARDS TIMBER CRIB



PHOTO C17-06 SOUTH FACE OF TIMBER CRIB AND RIPRAP FORESHORE SLOPE



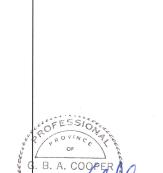
PHOTO C17-07 FORESHORE RIPRAP DIRECTLY UNDER STEEL PILED CONCRETE DECK



PHOTO C17-08 FORESHORE FILL MOUND UNDER STEEL PILED CONCRETE DECK - NOTE STEEL WALER AT RIGHT AND SEVERELY LIMITED HEADROOM



PHOTO C17-09 DETAIL VIEW OF STEEL WALER AND ANCHOR AT PAINTED SHEET PILED BULKHEAD WALL



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ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

PWGSC Project Manager/Adm

ANDREW MYLLY

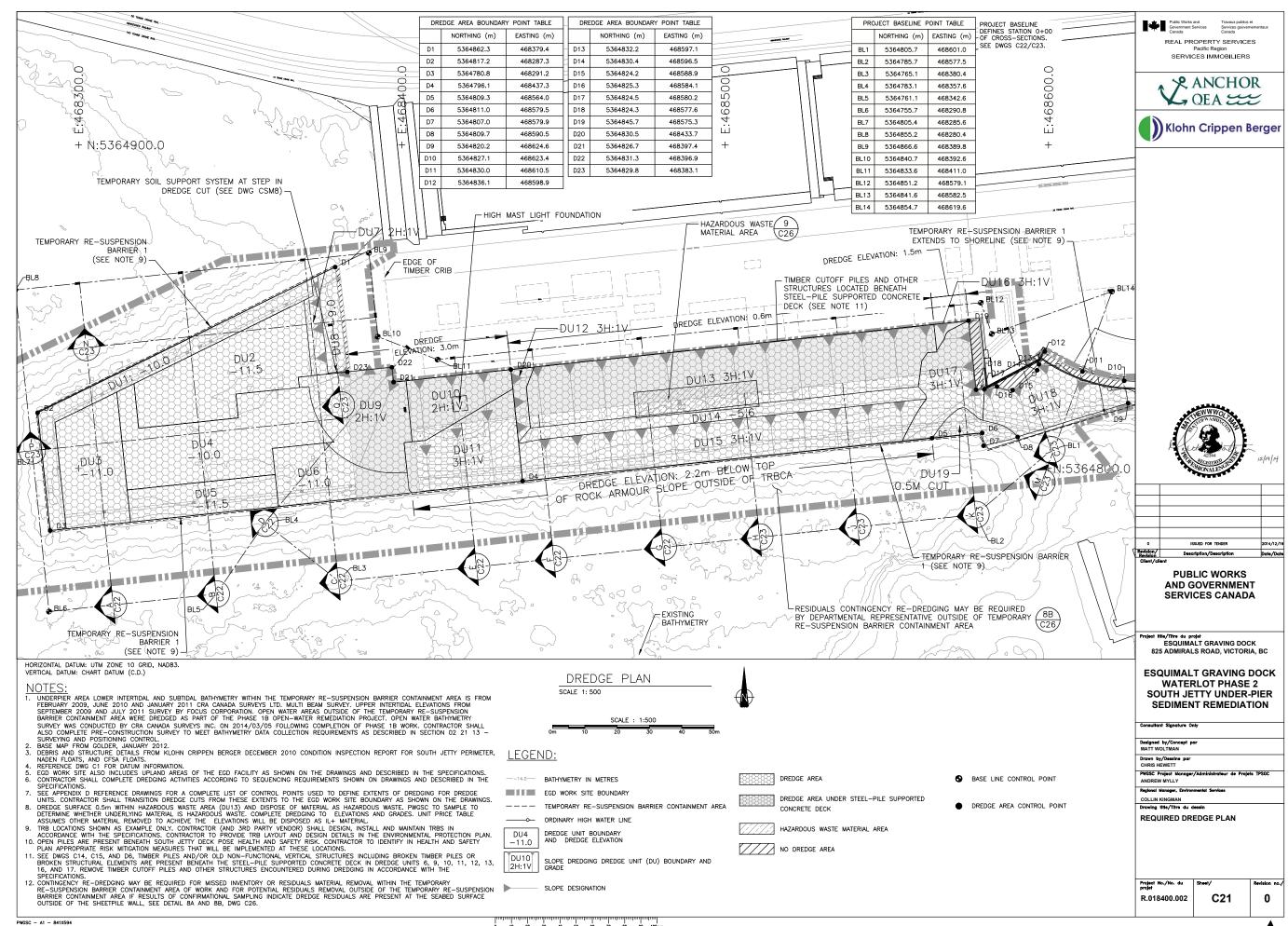
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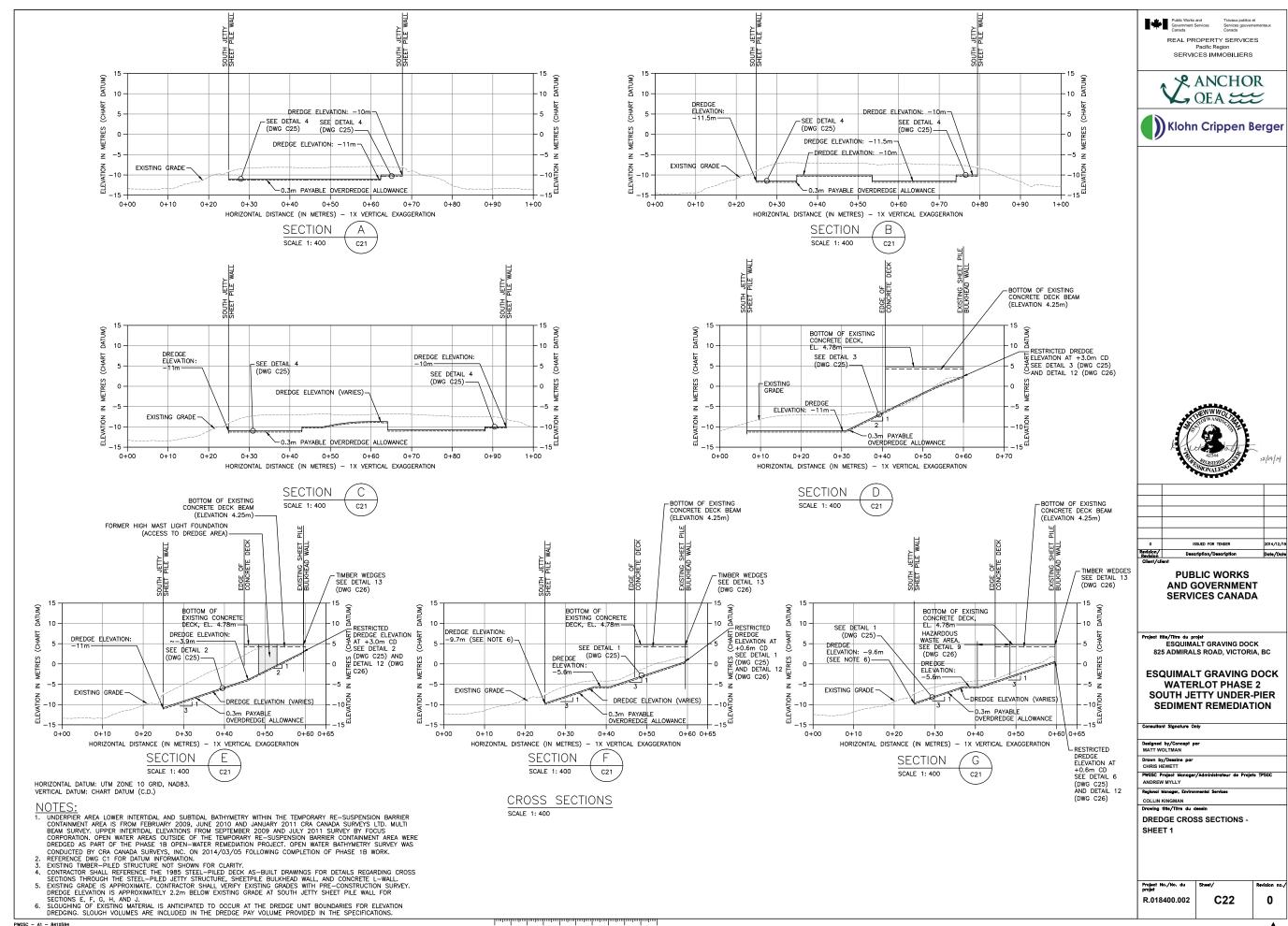
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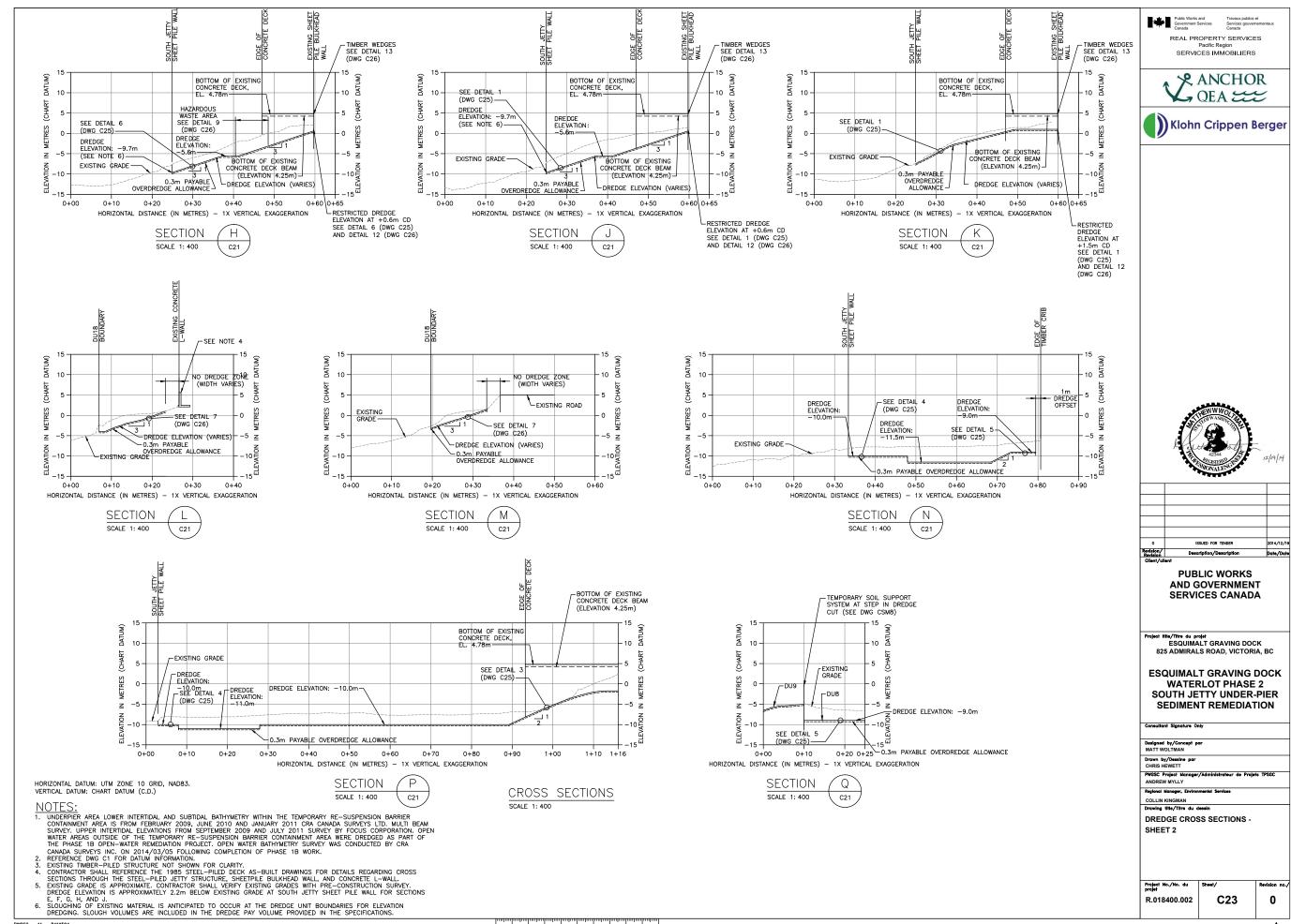
EXISTING CONDITIONS SHEET 4

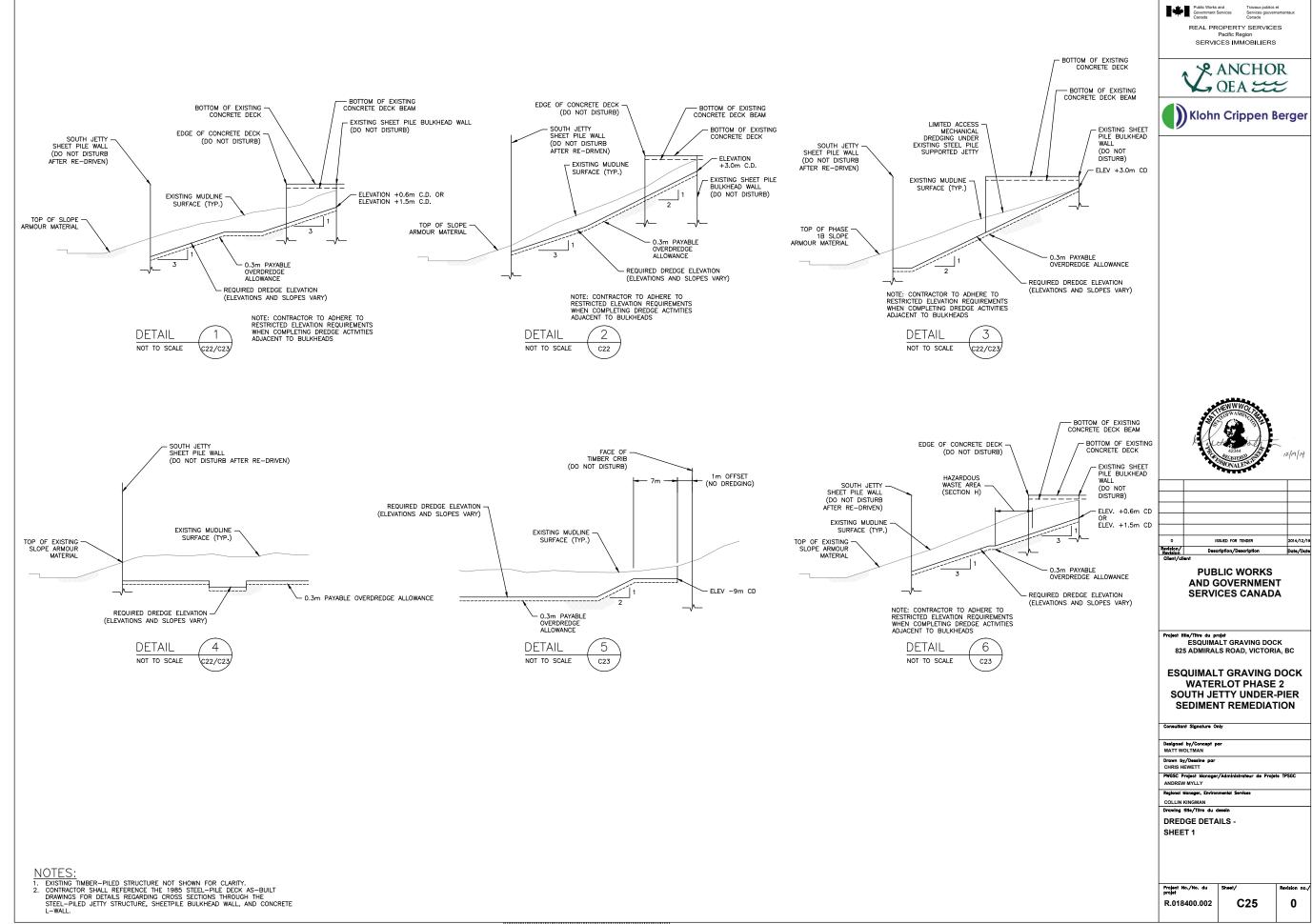
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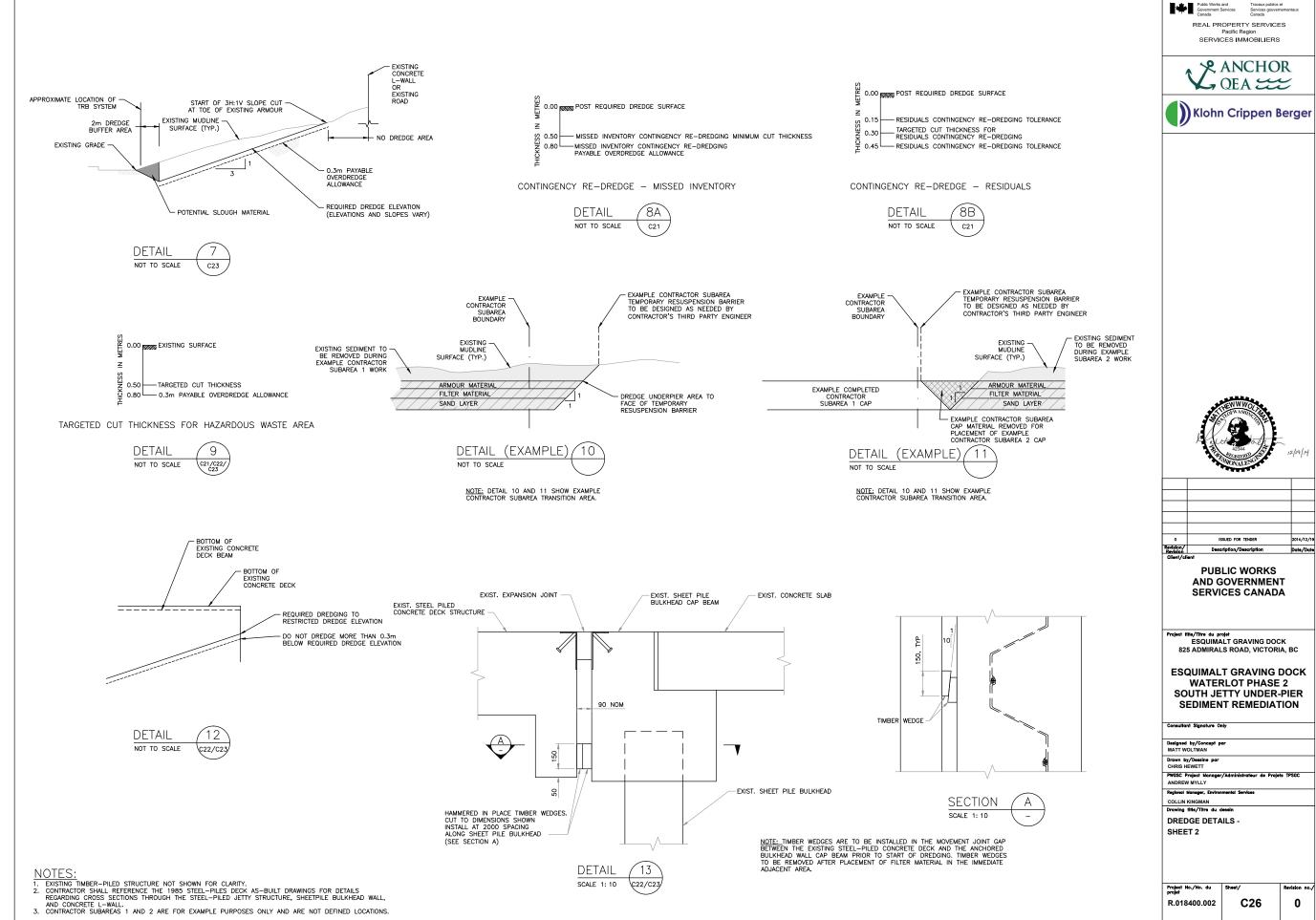




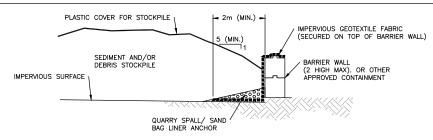




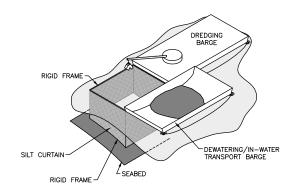
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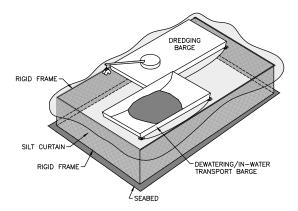
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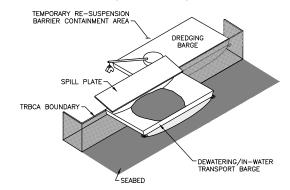
EXAMPLE STOCKPILE CONTAINMENT (NOT TO SCALE)



EXAMPLE ADDITIONAL TRB ARRANGEMENT #1 FOR MATERIAL TRANSFER (DREDGE BARGE TO MATERIAL BARGE): TRB AFFIXED TO DREDGE BARGE; DREDGE BARGE AND MATERIAL BARGE LOCATED WITHIN THE TEMPORARY RE—SUSPENSION BARRIER CONTAINMENT AREA (NOT TO SCALE)



EXAMPLE ADDITIONAL TRB ARRANGEMENT #2 FOR MATERIAL TRANSFER (DREDGE BARGE TO MATERIAL BARGE): TRB SURROUNDING DREDGE BARGE AND MATERIAL BARGE; DREDGE BARGE AND MATERIAL BARGE LOCATED WITHIN THE TEMPORARY RE-SUSPENSION BARRIER CONTAINMENT AREA (NOT TO SCALE)



EXAMPLE MATERIAL BARGE MOORAGE OUTSIDE OF TEMPORARY RE-SUSPENSION BARRIER CONTAINMENT AREA; USE OF SPILL PLATE ON MATERIAL BARGE TO PREVENT

9. BUCKET SWING RADIUS SHOULD NOT EXTEND PAST SPILL PREVENTION FEATURES. SPILLAGE OUTSIDE THE TRBCA; DREDGE BARGE LOCATED WITHIN THE TEMPORARY RE-SUSPENSION BARRIER CONTAINMENT AREA

(NOT TO SCALE)

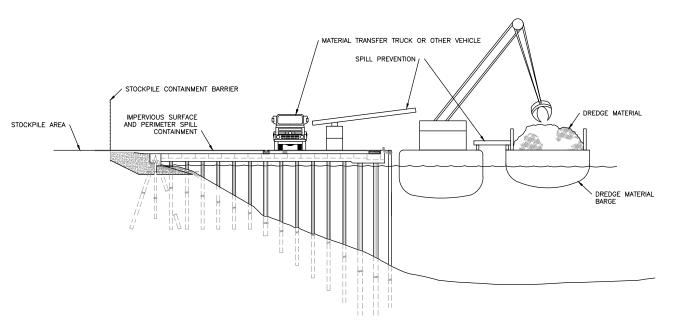


DIAGRAM 1: EXAMPLE OF OFFLOADING OPERATIONAL CONTROLS



PHOTO 1: EXAMPLE OF OFFLOADING OPERATIONAL CONTROLS



PHOTO 2: EXAMPLE OF OFFLOADING OPERATIONAL CONTROLS



PHOTO 3: EXAMPLE OF OFFLOADING TO TRUCKS OPERATIONAL CONTROLS

EXAMPLE OFFLOAD FACILITY CONTROLS

- 1. EXAMPLE SILT CURTAIN ARRANGEMENTS ARE SHOWN AS CONCEPTUAL EXAMPLES OF TRB SYSTEMS ONLY. CONTRACTOR MAY ELECT TO USE ADDITIONAL TRB SYSTEMS AROUND THE DREDGE AND/OR DEWATERING BARGES TO ENSURE COMPLIANCE WITH WATER QUALITY CRITERIA.
- 2. EXAMPLES SHOWN ARE FOR CONTRACTOR INFORMATION ONLY AND INTENDED TO SHOW EXAMPLE BEST MANAGEMENT PRACTICES. DESIGN AND OPERATIONS OF STOCKPILE MANAGEMENT AND OFFLOADING OPERATIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. COMPLY WITH ALL CONTRACT DOCUMENTS, ENVIRONMENTAL MANAGEMENT PLAN, AND THE FEDERAL, PROVINCIAL, AND MUNICIPAL PERMIT REQUIREMENTS FOR OFFLOAD FACILITY AND STOCKPILING.
- 3. PLACEMENT OF SEDIMENT NO MORE THAN 1.5 METRE HIGH IMMEDIATELY AGAINST BARRIER WALL IS A TYPICAL STANDARD OF PRACTICE IN STOCKPILE CONTAINMENT
- 4. MAINTAINING A SLOPE NO STEEPER THAN 5H:1V ADJACENT TO A BARRIER WALL IS A TYPICAL STANDARD OF PRACTICE IN STOCKPILE CONTAINMENT
- 5. SPILLS THAT OCCUR DURING OFFLOADING AND TRANSFER SHALL DRAIN ONTO BARGE OR WITHIN A CONTAINED UPLAND AREA. SPILL PROTECTION SHALL BE CONSTRUCTED FROM IMPERVIOUS MATERIAL.
- 6. CONTRACTOR SHALL CLEAN OFFLOAD FACILITY DAILY.
- 7. STOCKPILE CONTAINMENT DETAIL SHOWS SEDIMENT STACKED GREATER THAN 1.5 METRE HIGH FOR ILLUSTRATIVE PURPOSES ONLY. DEPICTION OF STACKED SEDIMENT DOES NOT INDICATE POTENTIAL WORKABILITY AND FLOW BEHAVIOR OF DREDGED MATERIAL, AND SHALL NOT BE USED BY THE CONTRACTOR AS BASIS FOR ANTICIPATING DREDGE MATERIAL CONDITIONS DURING THE WORK.
- 8. CONTRACTOR SHALL SUBMIT STOCKPILE CONTAINMENT DESIGN DETAILS TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW.

REAL PROPERTY SERVICES









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Revision/ Revision	Description/Description	Dat
Client/client		

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

roject title/Titre du projet ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC

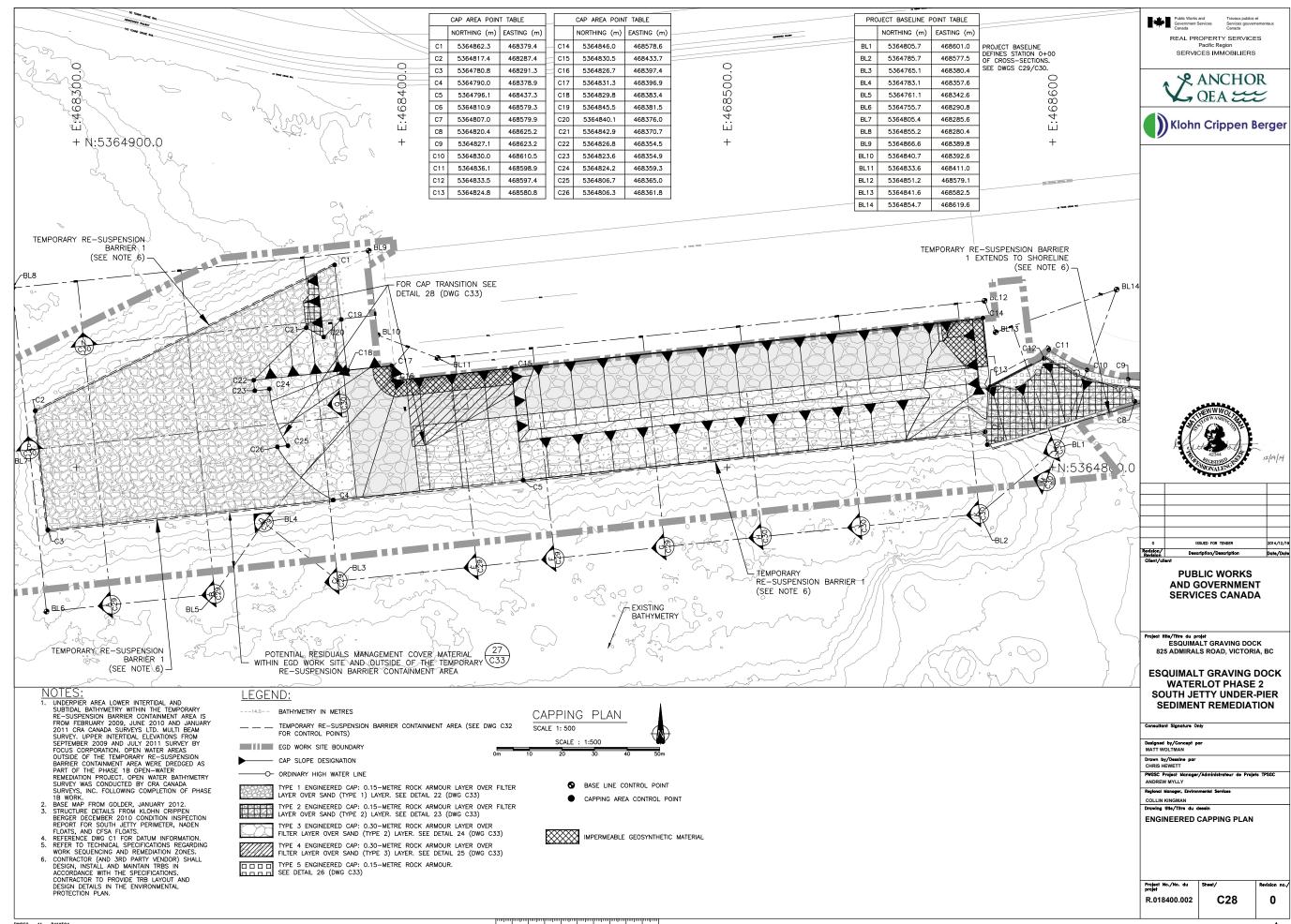
ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 **SOUTH JETTY UNDER-PIER** SEDIMENT REMEDIATION

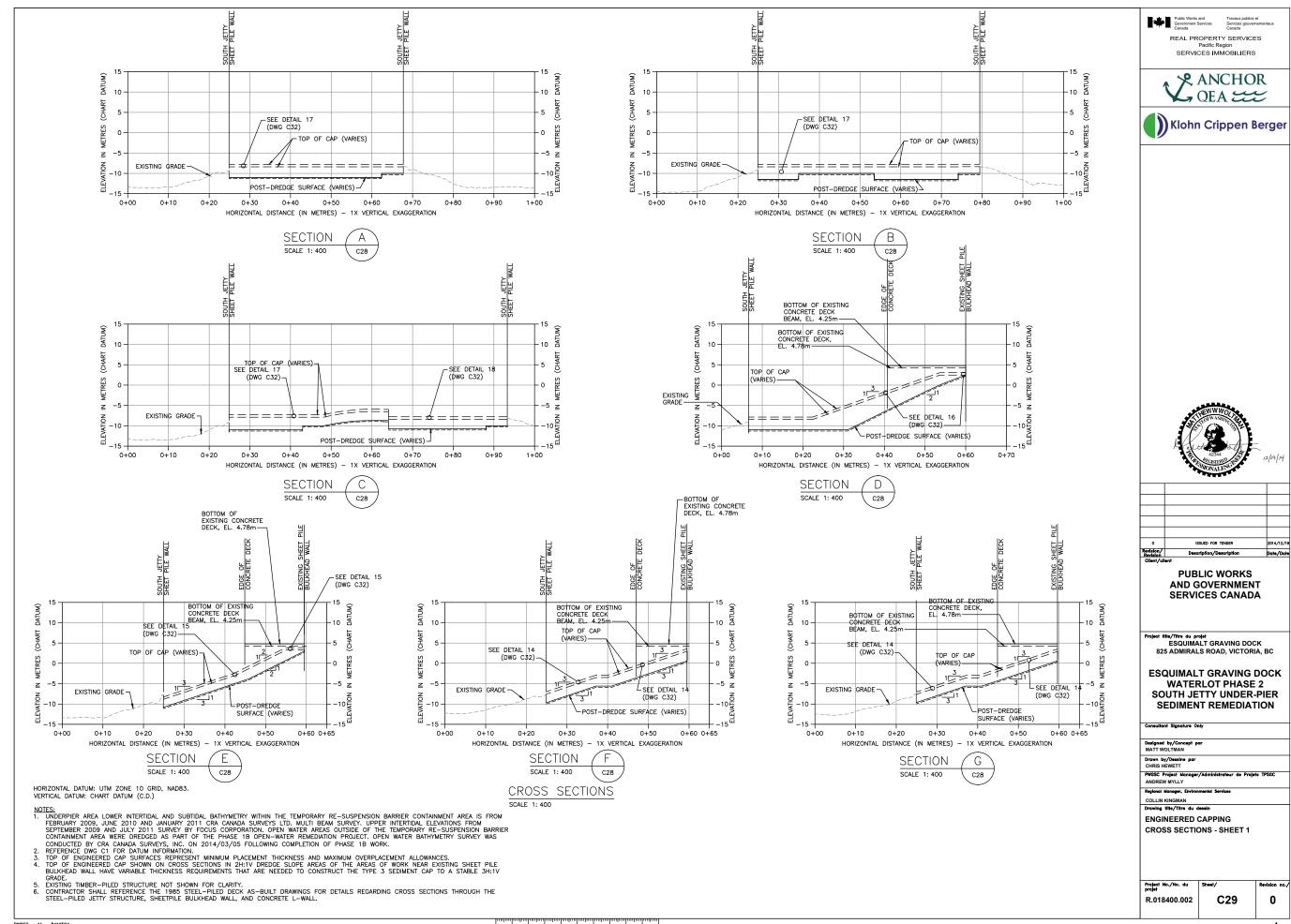
PWGSC Project Manager/Administrateur de Projets TPSG

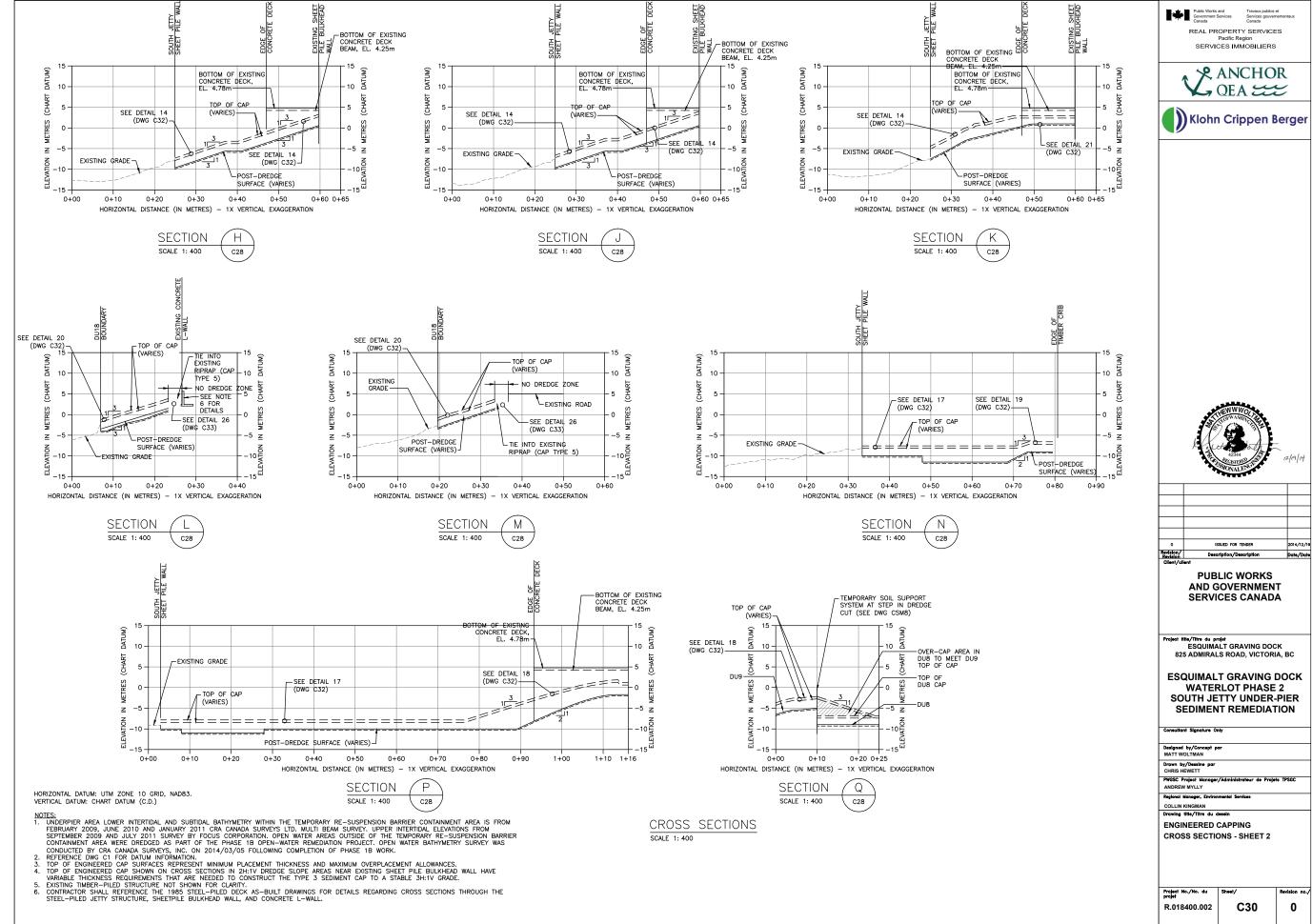
MATERIAL OFFLOADING, HANDLING, STORAGE, AND TURBIDITY CONTROL DETAILS

Project No./No. du Sheet, R.018400.002

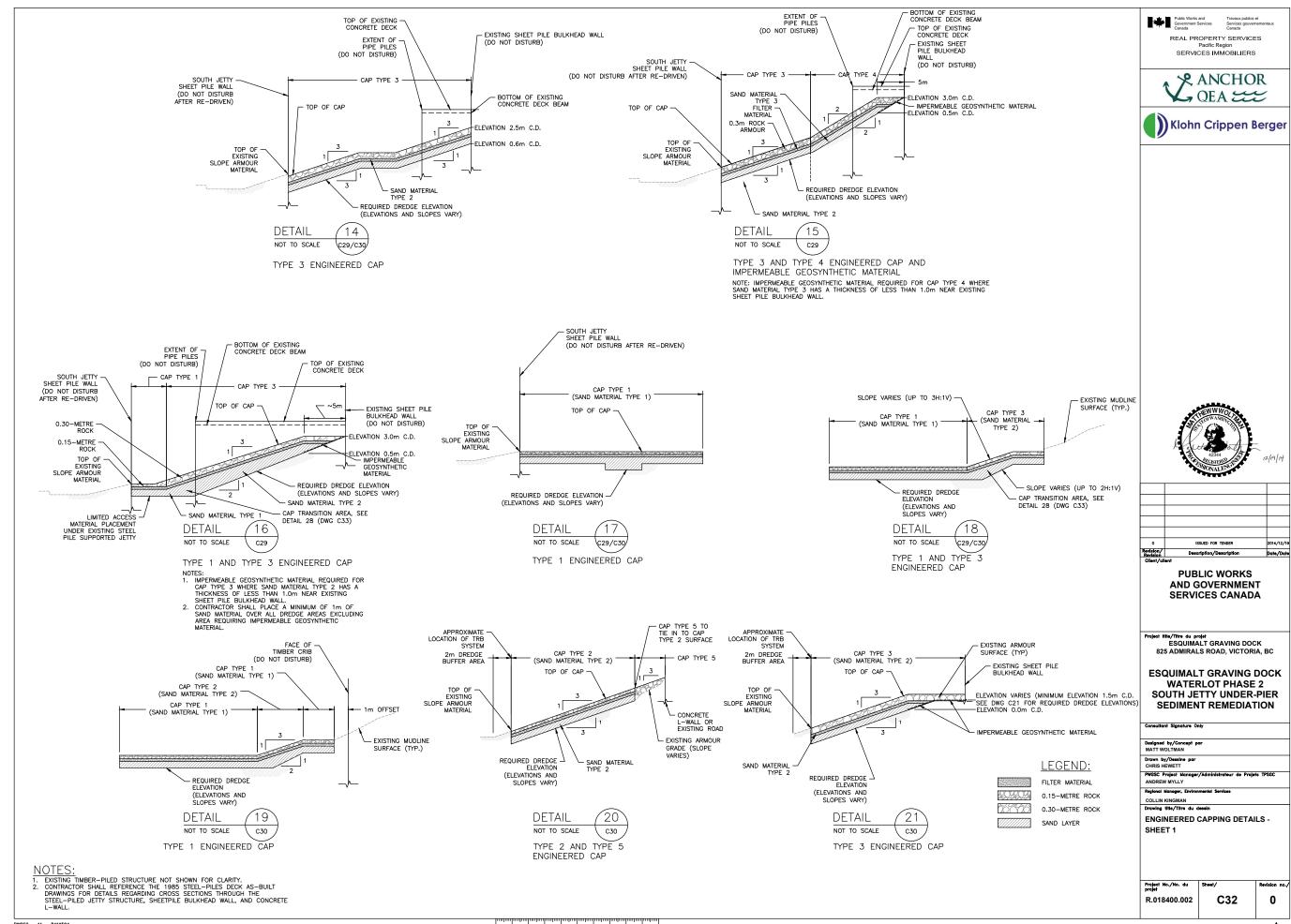
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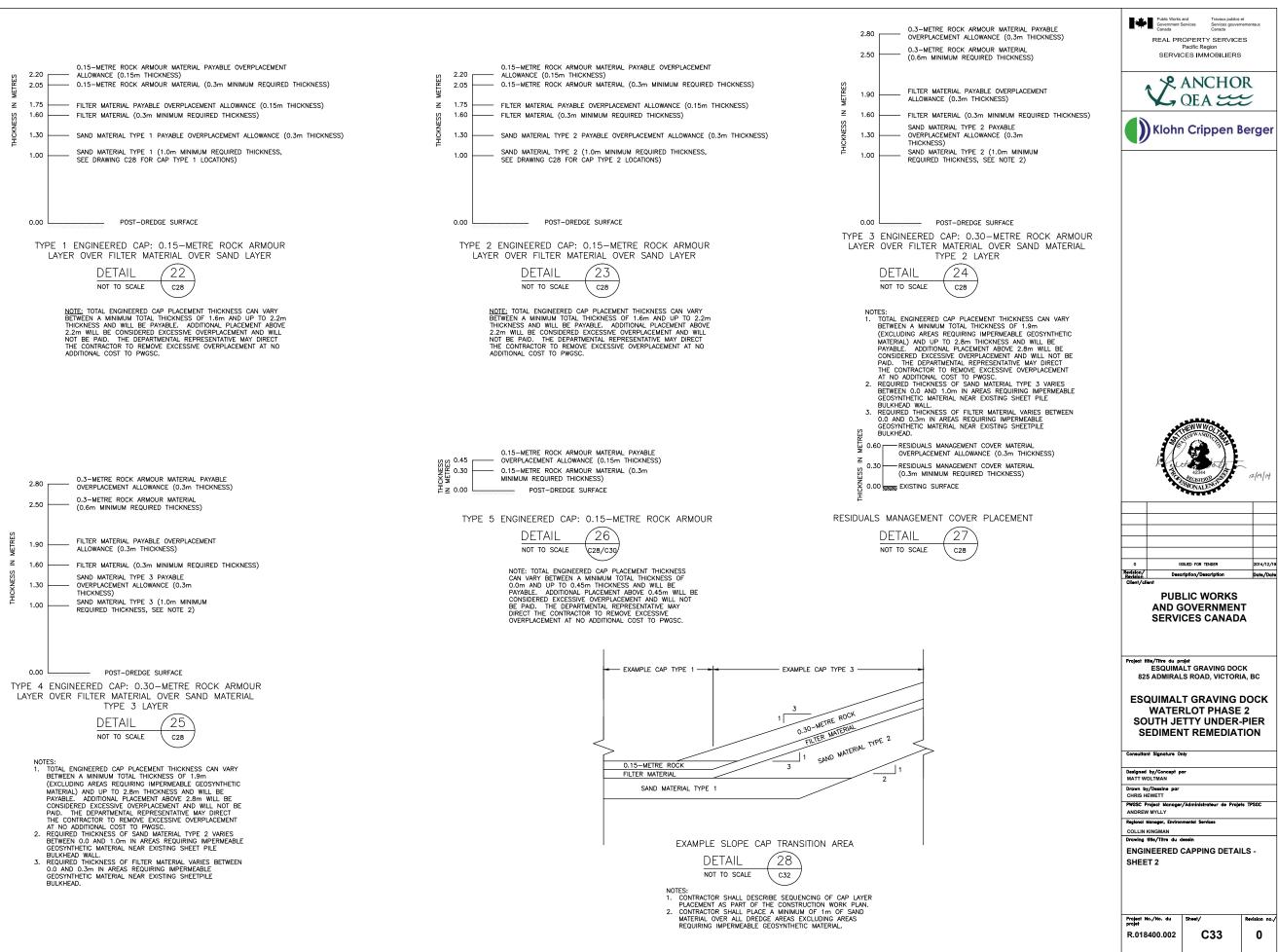




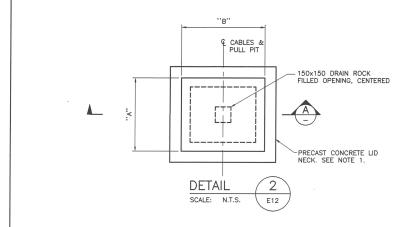


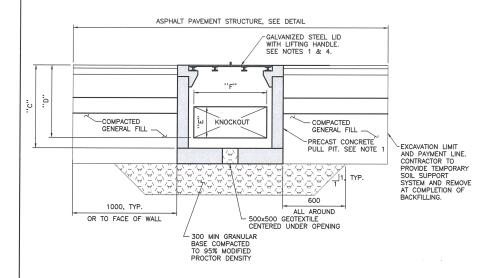
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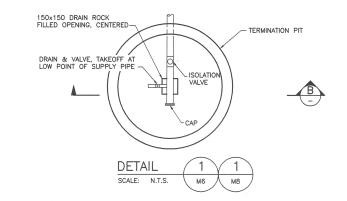


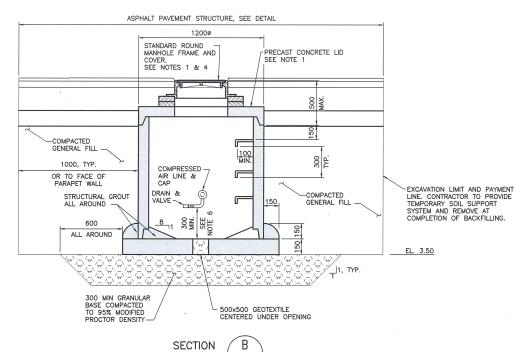




TYPICAL PRECAST CONCRETE PULL PIT

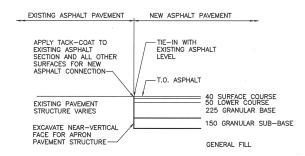
PULL PIT DIMENSIONS							
TERMINATION LOCATION	"'A"	"B"	"C"	"D"	''E''	''F''	
T1	700	900	800	700	300	800	
T2	1000	1600	800	700	300	1500	
T3	400	400	800	700	200	300	
T4	1000	700	600	500	300	600	
T5	700	1200	600	500	300	1100	





TYPICAL 1200Ø PRECAST CONCRETE TERMINATION PIT T6 & T7

SCALE: N.T.S.



ASPHALT PAVEMENT STRUCTURE TIE-IN N.T.S.

NOTES:

- ALL TERMINATION PIT AND PULL PIT COMPONENTS, INCLUDING LIDS, MANHOLE FRAME AND COVER, AND PRECAST CONCRETE COMPONENTS SHALL BE DESIGNED FOR THE FOLLOWING SITE—SPECIFIC LIVE LOADS (ALL LOADS ARE UNFACTORED):
 1.1. UNIFORMLY DISTRIBUTED LOAD (UDL): 28.7kPa (500psf)
 1.2. UDL NEED NOT BE CONSIDERED COINCIDENT WITH VEHICLE WHEEL LOADS 1.3. AXLE LOADING: (SEE PER CO.)

TRUCK LOADING (CL-625 PER S6-06):
FRONT AXLE 50kN (DISTRIBUTED TO 2 WHEELS)
REAR AXLE 175kN (DISTRIBUTED TO 2 PAIRS OF WHEELS)

ESQUIMALT FIRE TRUCK (TYPE 1), 1993 THIBAULT ENGINE: FRONT AXLE 75kN (DISTRIBUTED TO 2 WHEELS)
REAR AXLES 100kN (DISTRIBUTED TO 2 PAIRS OF WHEELS)

ESQUIMALT FIRE TRUCK (TYPE 2), 1999 E ONE LADDER TRUCK: FRONT AXLE 85KN (DISTRIBUTED TO 2 WHEELS) REAR AXLES 210KN (DISTRIBUTED TO 2 PAIRS OF WHEELS)

ESQUIMALT FIRE TRUCK (TYPE 3), 2008 FORT GARY RESCUE TRUCK: FRONT AXLE 55KN (DISTRIBUTED TO 2 WHEELS)
REAR AXLES 105KN (DISTRIBUTED TO 2 PAIRS OF WHEELS)
DYNAMIC LOAD ALLOWANCE (DLA) SHOULD BE ADDED TO ALL AXLE/WHEEL
LOADS.

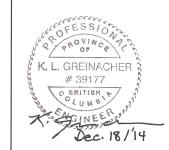
- SEAL ALL CONDUIT ENDS IN TERMINATION PIT WITH SUITABLE COMPOUND TO PREVENT ENTRANCE OF SALT WATER, MOISTURE OR GASES.
- LOCATIONS FOR TERMINATION PITS AND PULL PITS SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE BASED ON SITE CONDITIONS AND COORDINATE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMENCEMENT OF THIS WORK.
- 4. TERMINATION PIT COVERS AND PUL PIT COVERS SHALL BEAR A CLEAR MARKING NOT LESS THAN 100mm IN SIZE INDICATING THE SERVICE CONTAINED USING THE FOLLOWING LEGEND: "AIR" COMPRESSED AIR, "ELEC" ELECTRICAL.
- CONTRACTOR TO LOCATE AND PROTECT ADJACENT ELECTRICAL CONDUITS DURING EXCAVATION WORK.
- 6. COMPRESSED AIR SHALL BE A MINIMUM OF 300mm ABOVE THE BOTTOM OF THE TERMINATION PIT. LOCAL ADJUSTMENT TO ELEVATION OF COMPRESSED AIR SHALL BE MADE IF NECESSARY.

Public Works and Government Services

REAL PROPERTY SERVICES Pacific Region
SERVICES IMMOBILIERS Région de Pacifique







Revision/ Revision	Description/Description	Date
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PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

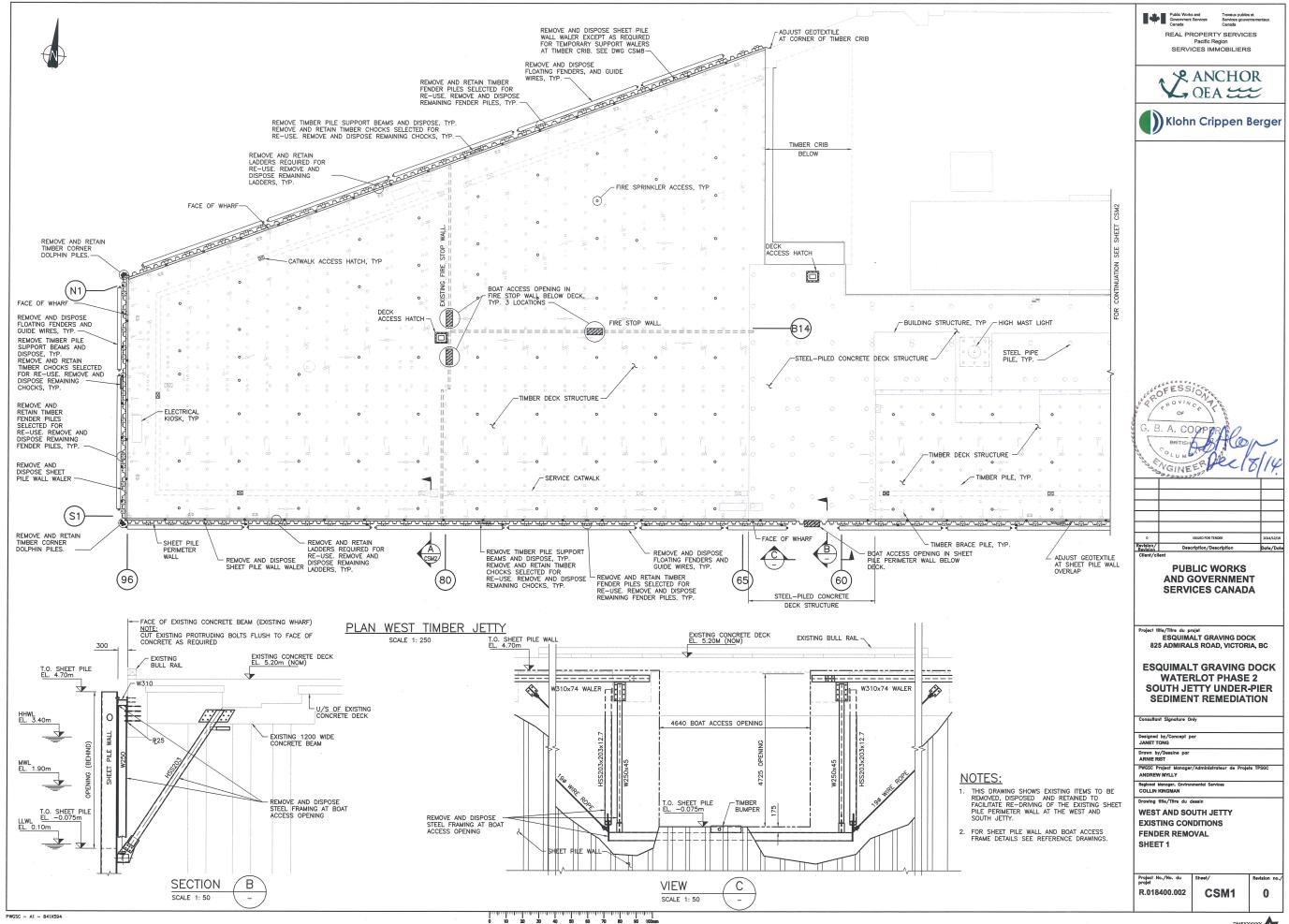
Project ##e/Titre du projet
ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD, VICTORIA, BC

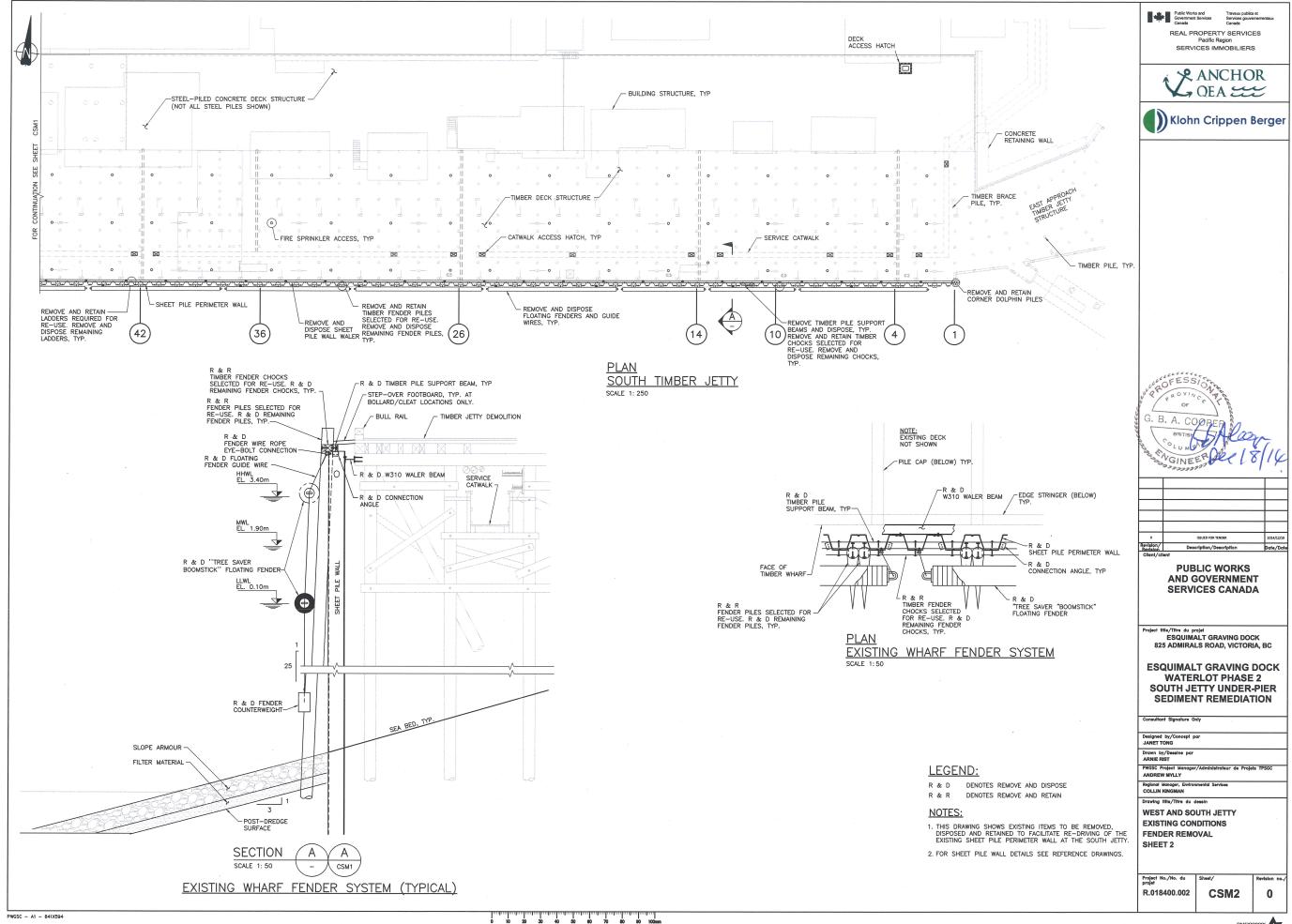
ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

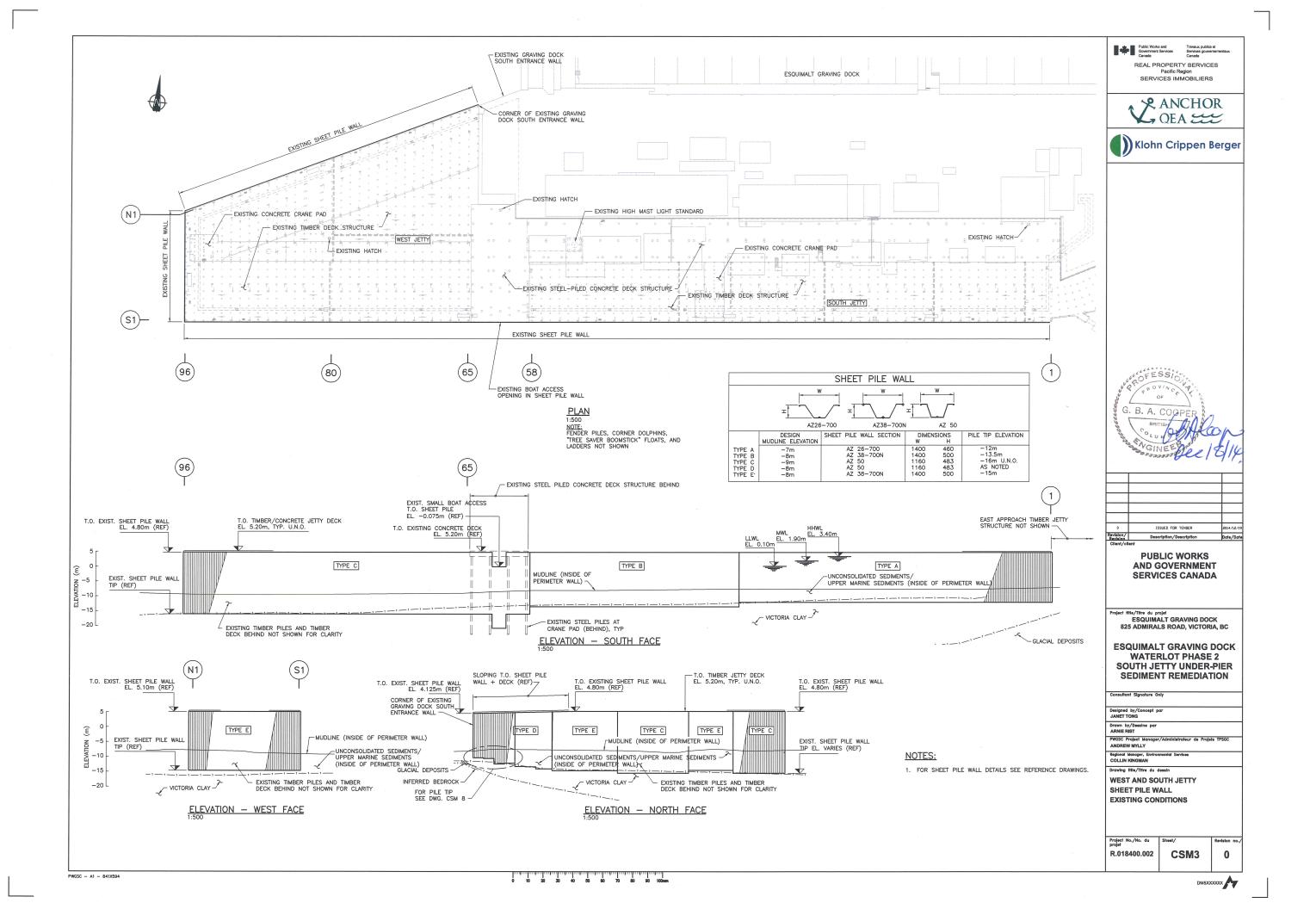
Consultant Sig	nature Only		
Designed by/C DHILEEP ABE			
Drawn by/Desi MIKE BRIDDER			
PWGSC Project ANDREW MYL	Manager/Administrateur d LY	e Projets	TPSG
Regional Manage	r, Environmental Services		

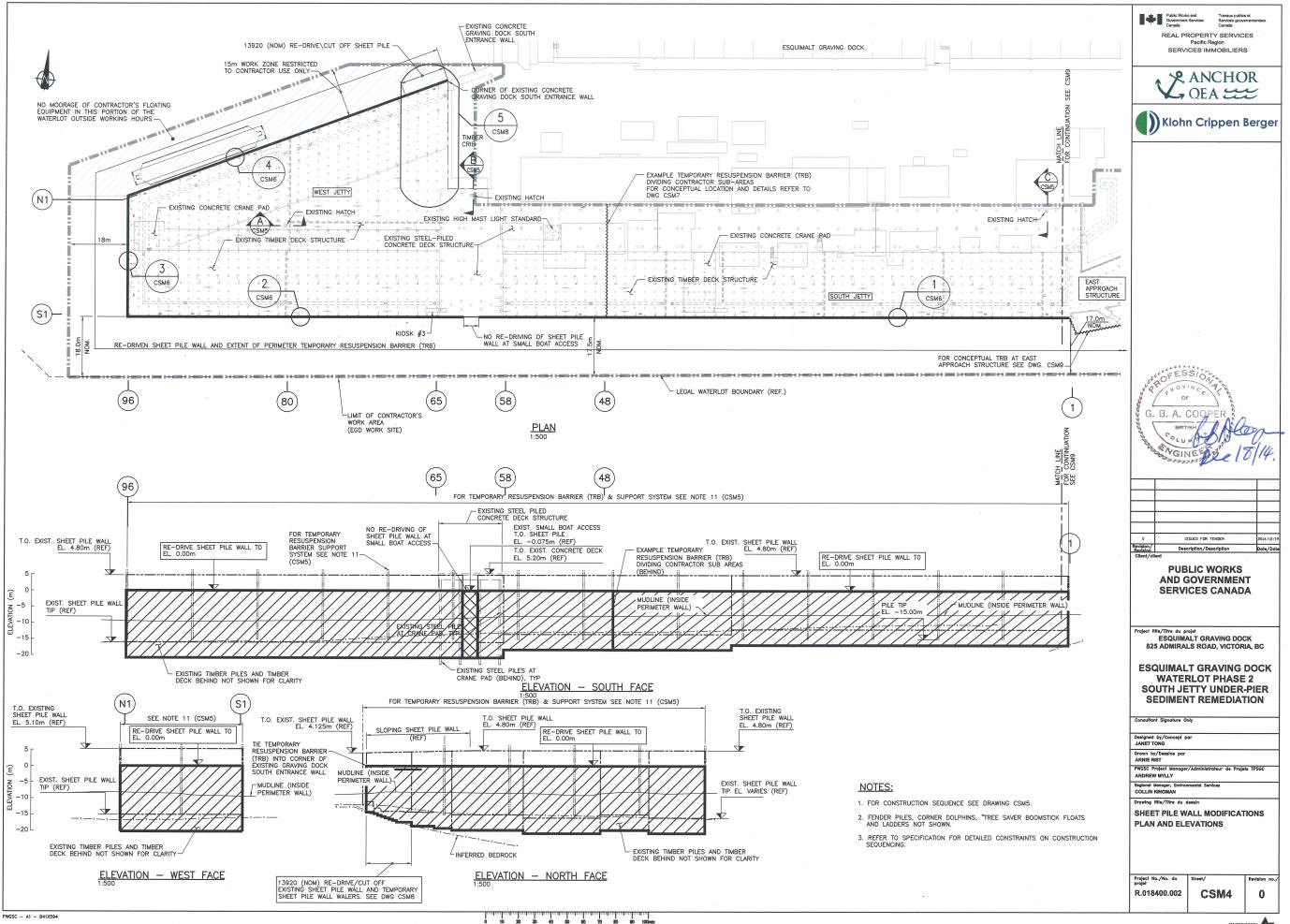
Drawing title/Titre du dessin **SERVICES - TERMINATION PITS**

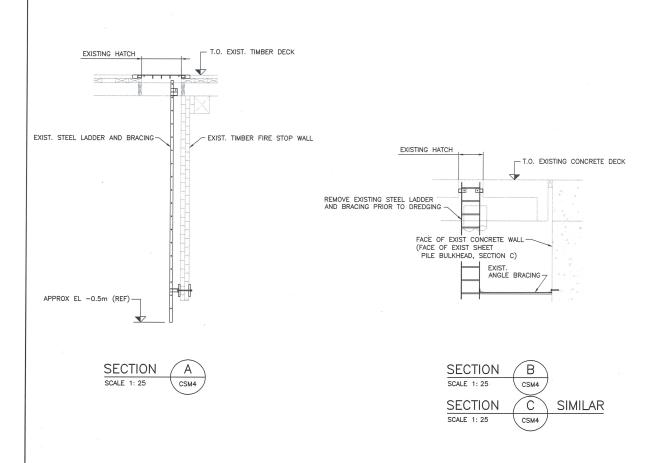
Project No./No. du projet R.018400.002 C46 0











Public Works and Government Services Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS

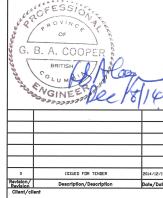




INDICATIVE CONSTRUCTION SEQUENCE (SEE DWG CSM4):

- TEMPORARY RESUSPENSION BARRIER (TRB) ELEMENTS AND CONFIGURATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR'S THIRD PARTY ENGINEER SHALL VERIFY SPECIFIC DESIGN APPROACH FOR TEMPORARY RESUSPENSION BARRIER (TRB) SYSTEM.
- REMOVE "TREE SAVER BOOMSTICK" FENDER LOGS, GUIDE WIRES AND WEIGHTS AND DISPOSE OFF—SITE.
- REMOVE FENDER PILES, CORNER DOLPHINS AND CHOCKS AND STORE SELECTED FENDER PILES, CORNER DOLPHINS AND CHOCKS FOR RE-USE; DISPOSE OF REMAINING FENDER PILES AND CHOCKS. REMOVE TIMBER PILE SUPPORT BEAMS AND DISPOSE OFF-SITE.
- 4. REMOVE LADDERS. STORE LADDERS REQUIRED FOR RE-USE, DISPOSE OF REMAINING LADDERS.
- 5. DISCONNECT SHEET PILE WALL FROM STEEL WALER, REMOVE STEEL WALER (EXCEPT AS SHOWN ON DRAWING CSM8) AND DISPOSE OFF-SITE.
- 6. INSTALL COVERS OVER VENT HOLES IN SHEET PILE WALL.
- 7. DISCONNECT AND REMOVE STEEL FRAMING AT BOAT ACCESS OPENING AND DISPOSE OFF-SITE.
- 8. RE-DRIVE EXISTING SHEET PILE WALL AS SHOWN.
- 9. DURING RE-DRIVING OF SHEET PILES, MAINTAIN AND ADJUST THE EXISTING GEOTEXTILE AT OVERLAP JOINTS IN THE EXISTING STEEL SHEET PILE WALL AND AT THE NORTH WEST CORNER OF THE TIMBER CRIB, TO PROVIDE A CONTINUOUS AND UNBROKEN BARRIER FOR THE FULL HEIGHT OF THE RE-DRIVEN SHEET PILE WALL ABOVE MUD LINE.
- 10. CUT EXISTING SHEET PILE WALL DOWN TO EL. 0.0m WHERE INDICATED.
- 11. INSTALL TEMPORARY STEEL SUPPORT BRACING AT TIMBER CRIB.
- 12. INSTALL TEMPORARY RESUSPENSION BARRIER (TRB) SYSTEM AS DESIGNED BY CONTRACTOR'S THIRD PARTY ENGINEER.
- 13. REMOVE TIMBER PILED WEST JETTY AND SOUTH JETTY STRUCTURES AND EAST APPROACH STRUCTURE.
- 14. REMOVE CONTAMINATED SEDIMENT BY DREDGING, AND INSTALL ENGINEERED CAPPING MATERIALS.
- INSTALL TIMBER FENDER PILES, CORNER DOLPHINS AND NAVIGATION MARKER DOLPHINS PRIOR TO PLACING ARMOUR ROCK.
- 16. REMOVE TEMPORARY RESUSPENSION BARRIER (TRB) SYSTEM.
- 17. EXTRACT RE-DRIVEN SHEET PILES AND DISPOSE OFF-SITE.

1. REFER TO SPECIFICATION FOR DETAILED CONSTRAINTS ON CONSTRUCTION SEQUENCING.



PUBLIC WORKS AND GOVERNMENT **SERVICES CANADA**

Project fille/Titre du projet
ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

Consultant	Clanatura	$\overline{}$

PWGSC Project Manager/Administrateur de Projets TPSGC

ANDREW MYLLY

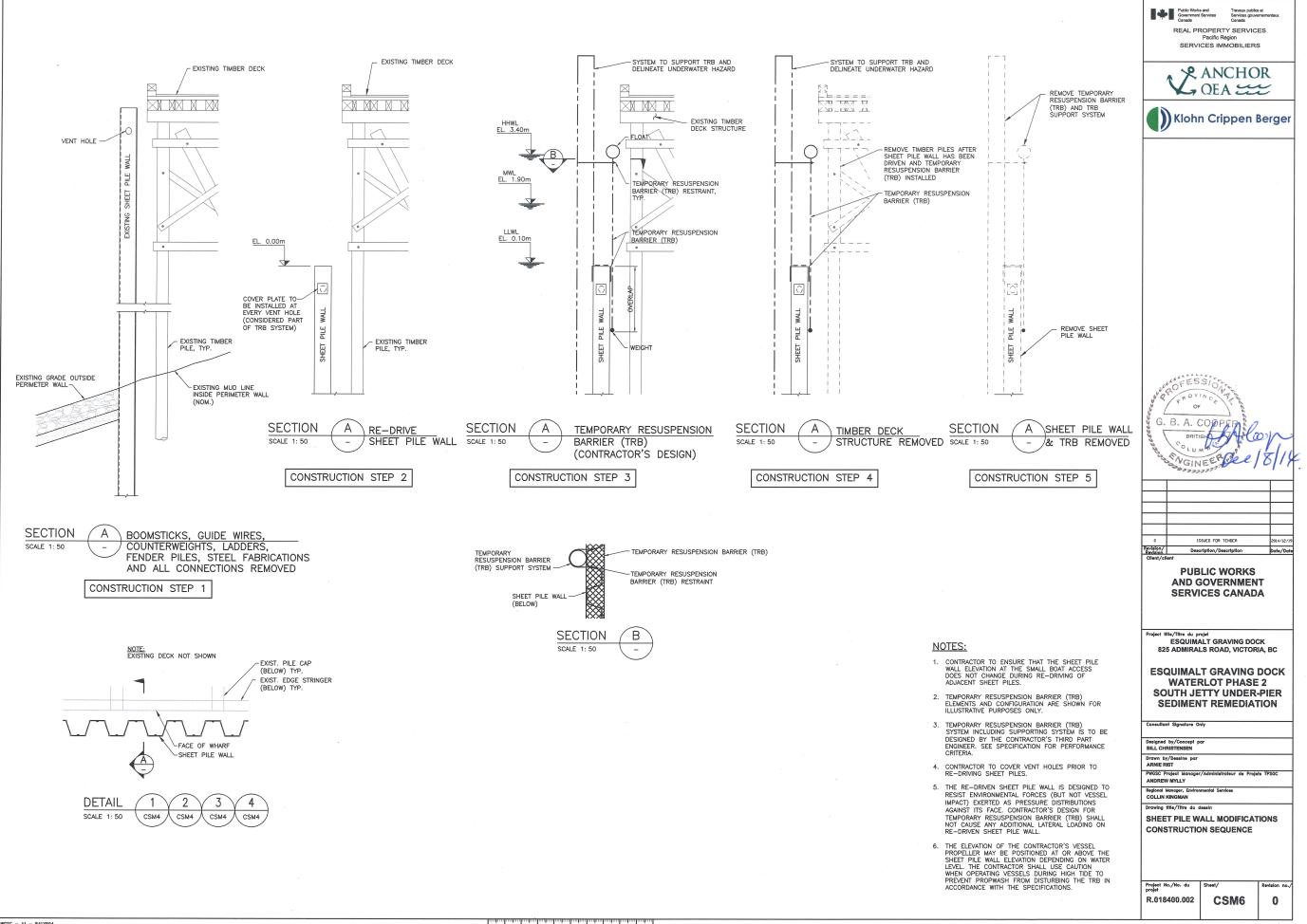
Regional Manager, Envi COLLIN KINGMAN

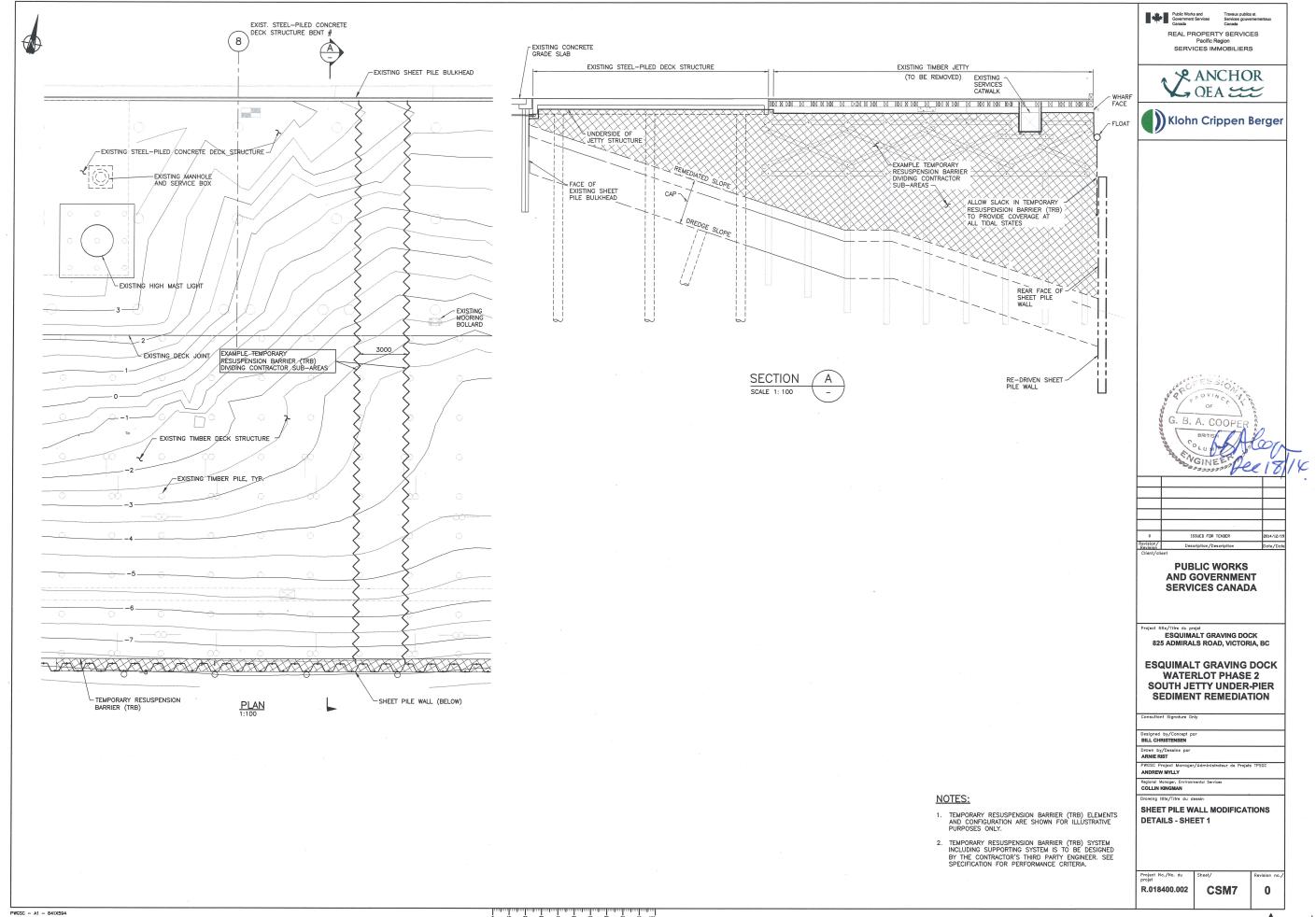
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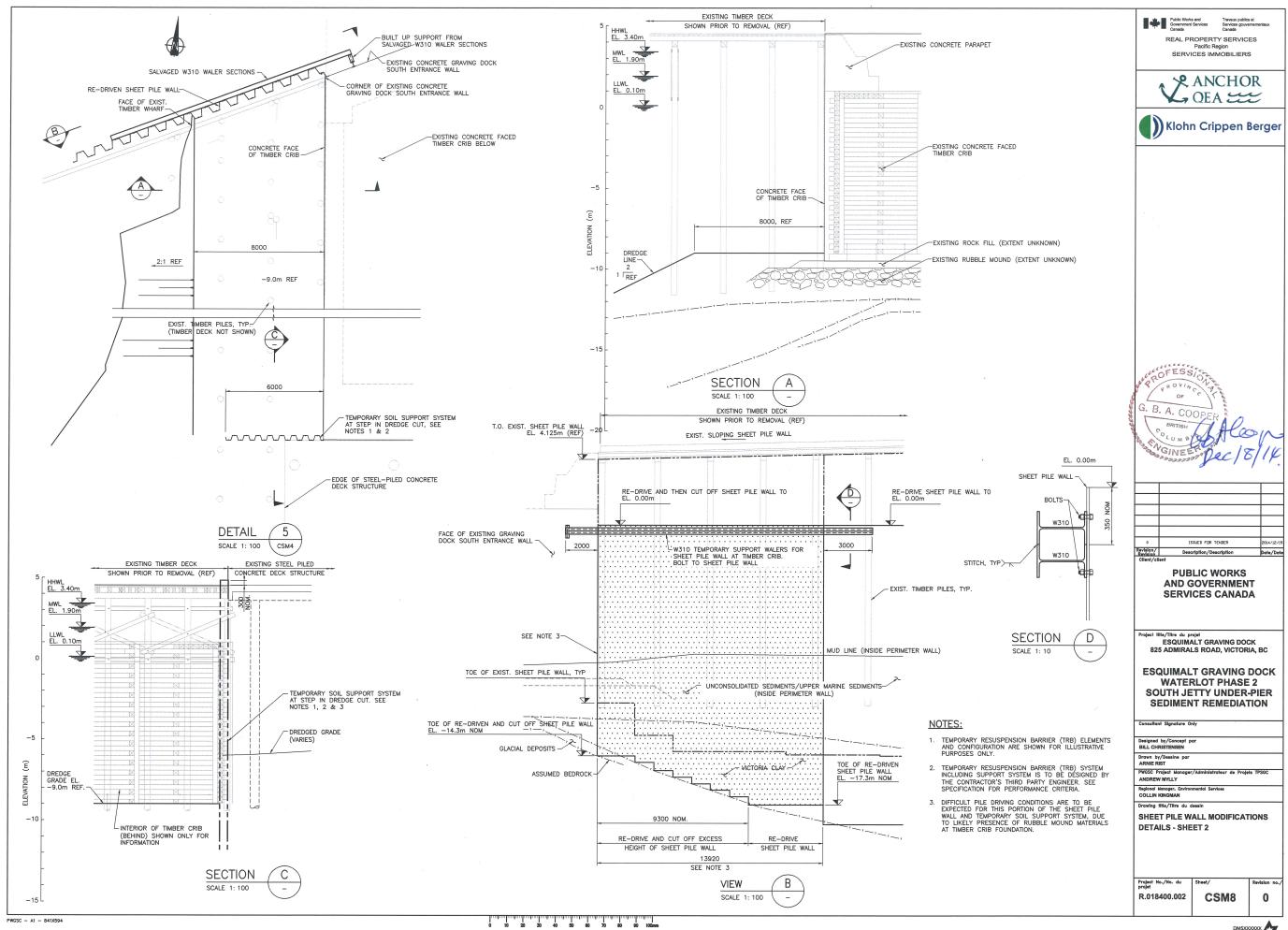
SHEET PILE WALL MODIFICATIONS NOTES AND SECTIONS

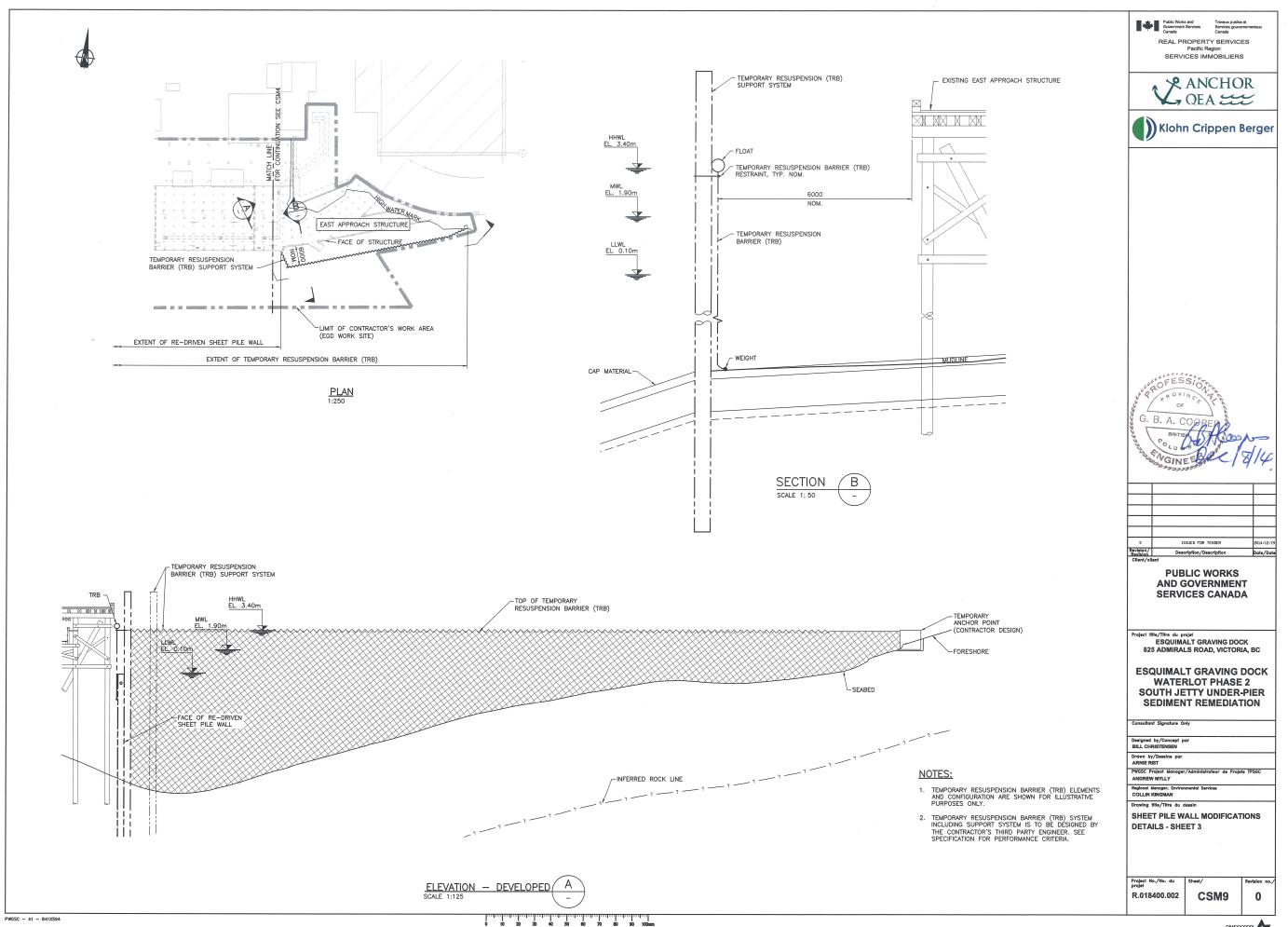
Project No./No. du projet R.018400.002 CSM5

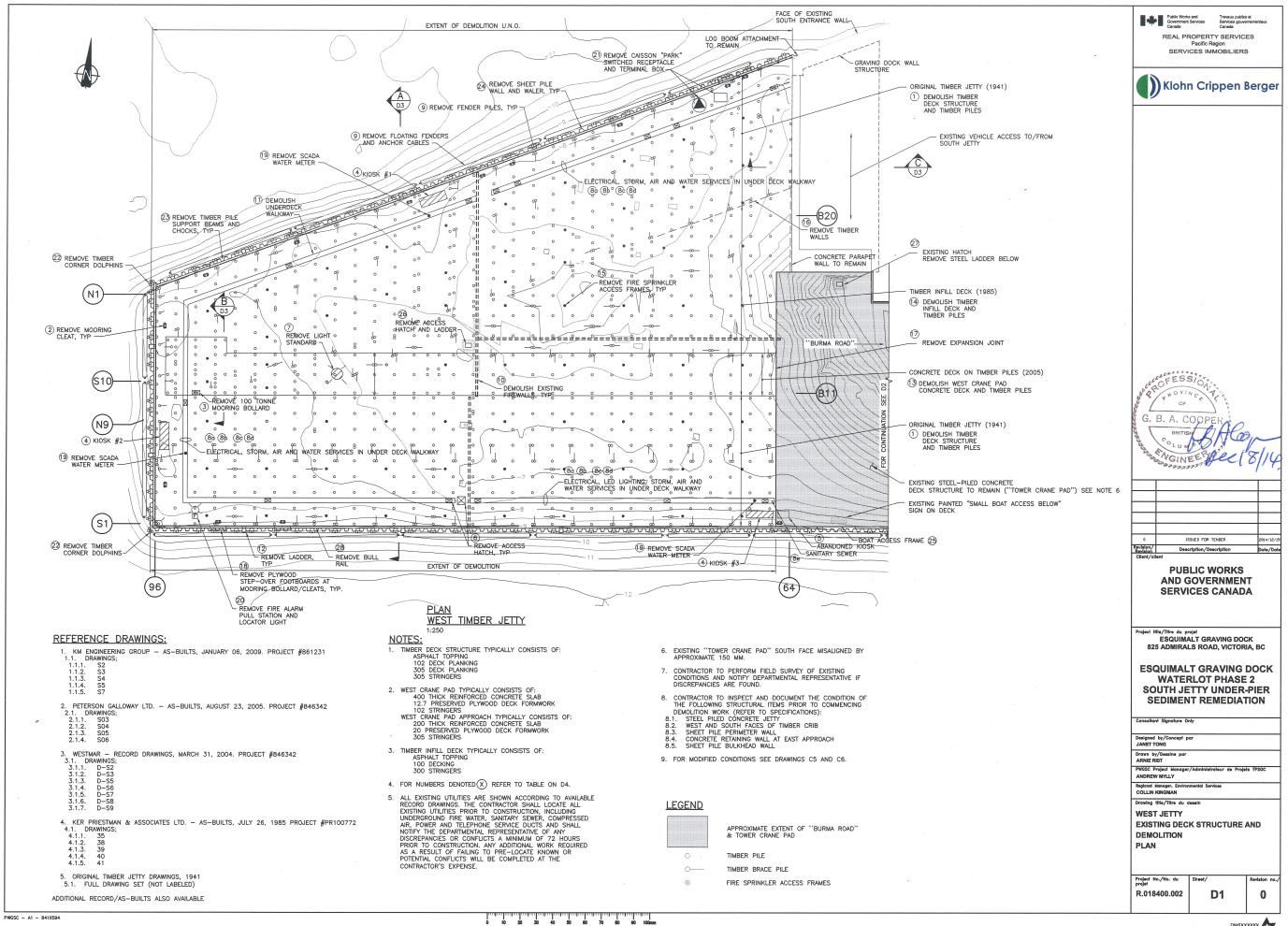
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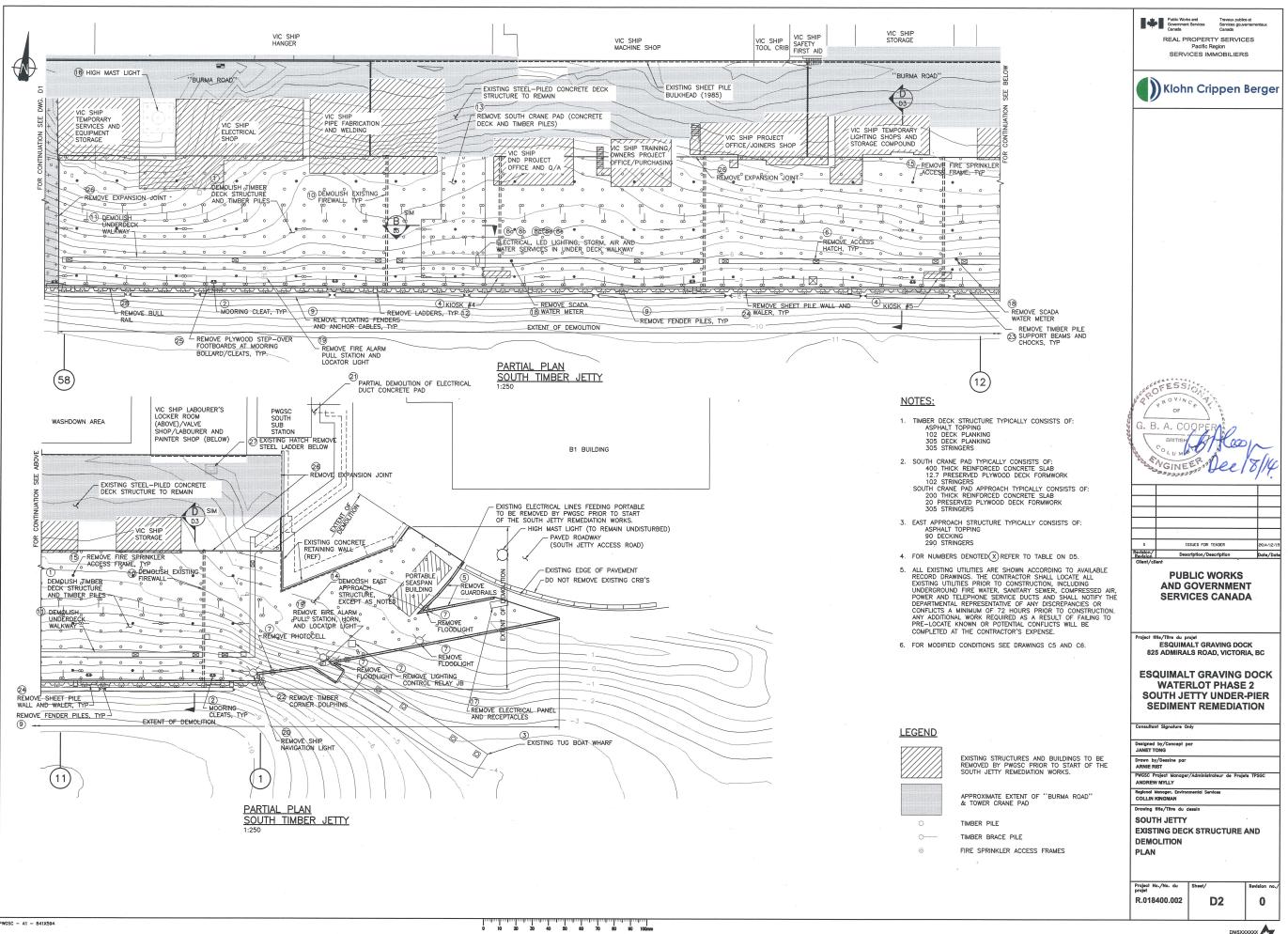


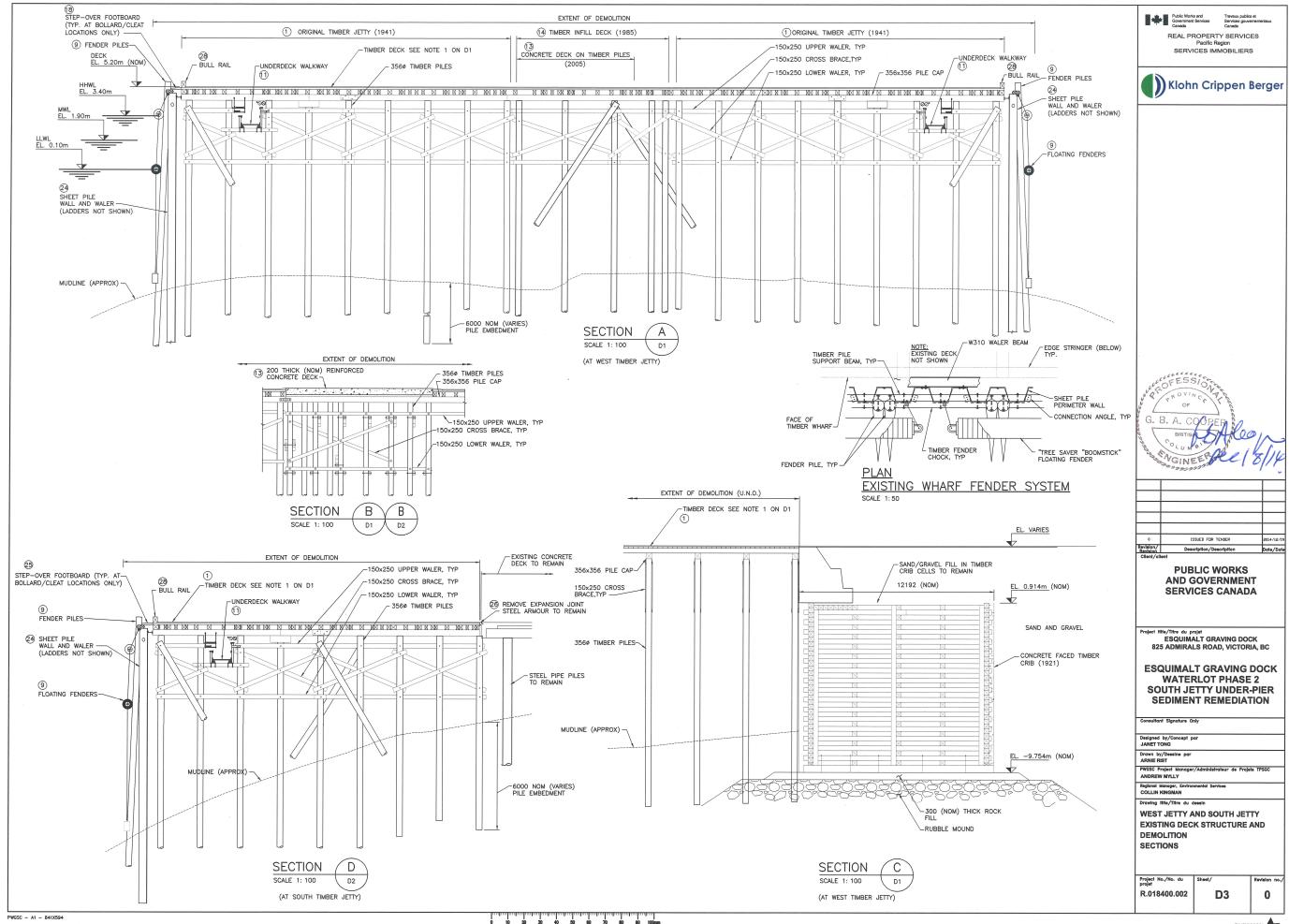












WEST TI	WEST TIMBER JETTY ITEMS DEMOLISHED, REMOVED, RELOCATED, OR RETAINED							
ITEM NUMBER	BRIEF DESCRIPTION OF ITEMS	ACTION						
1	TIMBER DECK STRUCTURE AND TIMBER PILES	REMOVE TO DEMOLITION EXTENTS SHOWN AND DISPOSE. SEE NOTE 1 ON D1.						
2	12 MOORING CLEATS	REMOVE AND RETURN TO PWGSC. STORE IN LOCATION DESIGNATED BY THE DEPARTMENTAL REPRESENTATIVE.						
3	1 100 TONNE BOLLARD	REMOVE AND RETURN TO PWGSC. STORE IN LOCATION DESIGNATED BY THE DEPARTMENTAL REPRESENTATIVE.						
4	3 KIOSKS AND JETTY MOUNT TERMINAL BOXES	REMOVE, PREPARE FOR STORAGE AND STORE IN LOCATION DESIGNATED BY DEPARTMENTAL REPRESENTATIVE. PREPARATION FOR STORAGE INCLUDES TIGHTLY PLUGGING ALL EXTERNAL OPENINGS. (e.g. PIPES AND SWITCHGEAR)						
5	1 ABANDONED KIOSK WITH FIRE ALARM SIGA-CT2 CONTROL RELAY MODULE	REMOVE AND RETURN TO PWGSC. STORE IN LOCATION DESIGNATED BY THE DEPARTMENTAL REPRESENTATIVE.						
6	14 ACCESS HATCHES INCLUDING FRAMES	REMOVE AND DISPOSE.						
7	1 LIGHT STANDARD	REMOVE AND DISPOSE. SEE DWG E4 FOR POWER CABLE REMOVAL.						
80	ELECTRICAL SERVICES	REMOVE AND DISPOSE CABLES TO THE EXTENTS SHOWN ON DWG E1, E2 & E4. REMOVE AND RETAIN UNDER-DECK CABLE TRAY FOR RE-USE AS SHOWN ON DWG E4. REMOVE AND DISPOSE LED LIGHTING.						
(8b	STORM SERVICES	REMOVE AND DISPOSE.						
(8c	FIRE WATER MAIN	REMOVE TO THE EXTENTS SHOWN ON DWG M4. RETAIN FOR RE-USE ALL PVC PIPE MECHANICAL COUPLINGS, VALVES AND FITTINGS THAT CAN BE USED IN THE WORK. RETURN TO PWGSC ALL FLOW METERS WITH A TAG INDICATING THE ASSOCIATED KIOSK NUMBER. DISPOSE OF ALL OTHER FIRE WATER ITEMS.						
88	COMPRESSED AIR LINE	REMOVE AND DISPOSE TO EXTENTS SHOWN ON DWG M6.						
(8e	SANITARY SEWER	REMOVE AND DISPOSE TO EXTENTS SHOWN ON M5.						
9	FLOATING FENDERS AND FENDER PILES	REMOVE AND DISPOSE FLOATING FENDERS INCLUDING ANCHOR CABLES. REMOVE AND RETAIN FENDER PILES SELECTED FOR RE—USE. REMOVE AND DISPOSE REMAINING FENDER PILES.						
10	FIREWALLS	REMOVE AND DISPOSE.						
11	UNDERDECK WALKWAY	REMOVE AND DISPOSE.						
12	10 LADDERS	REMOVE AND MODIFY LADDERS REQUIRED FOR RE-USE AS SHOWN ON DWG S122. REMOVE AND DISPOSE REMAINING LADDERS.						
13	WEST CRANE PAD CONCRETE DECK AND TIMBER PILES	REMOVE AND DISPOSE. SEE NOTE 2 ON DWG D1.						
14	TIMBER INFILL DECK AND TIMBER PILES	REMOVE AND DISPOSE. SEE NOTE 3 ON DWG D1.						
15	73 FIRE SPRINKLER ACCESS (LIDS AND FRAMES)	REMOVE AND DISPOSE.						
16	TIMBER WALLS	REMOVE AND DISPOSE.						
17	EXPANSION JOINT	REMOVE AND DISPOSE. STEEL ARMORING EMBEDDED IN CONCRETE DECK TO REMAIN.						
18	PLYWOOD STEP-OVER FOOTBOARDS	REMOVE AND DISPOSE.						
19	KIOSK SCADA WATER METERS	REMOVE AND RETURN TO PWGSC. CORRESPONDING LABELS TO BE REMOVED AND RETURNED TO PWGSC.						
20	FIRE ALARM PULL STATION AND LOCATOR LIGHT	REMOVE AND RETURN TO PWGSC. STORE IN LOCATION DESIGNATED BY THE DEPARTMENTAL REPRESENTATIVE.						
21	CAISSON "PARK" SWITCHED RECEPTACLE AND TERMINAL BOX	REMOVE AND DISPOSE.						
22	CORNER TIMBER DOLPHINS	REMOVE AND RETAIN FOR RE-USE.						
. 23	TIMBER SUPPORT BEAMS AND CHOCKS	REMOVE AND DISPOSE TIMBER SUPPORT BEAMS. REMOVE AND RETAIN CHOCKS SELECTED FOR RE-USE, REMOVE AND DISPOSE REMAINING FENDER CHOCKS.						
24	SHEET PILE WALL AND WALER	REMOVE AND DISPOSE, EXCEPT FOR WALER REQUIRED FOR TEMPORARY SUPPORT AT TIMBER CRIB. SEE DWG CSM8.						
25	BOAT ACCESS FRAME	REMOVE AND DISPOSE.						
26	DECK ACCESS HATCH AND LADDER	REMOVE AND DISPOSE.						
27	STEEL ACCESS LADDER	REMOVE, RETAIN AND MODIFY FOR RE-USE. (SEE DWG S122)						
28	BULL RAIL	REMOVE AND RETAIN BULL RAIL SELECTED FOR RE-USE. REMOVE AND DISPOSE REMAINING BULL RAIL.						

NOTES:

THIS TABLE INDICATES THE PRIMARY ITEMS FOR DEMOLITION AND GIVES GUIDANCE FOR ITEMS TO BE DEMOLISHED, REMOVED, RELOCATED OR RETAINED. ALL ITEMS WITHIN THE EXTENTS OF DEMOLITION, AS SHOWN ON DRAWING D1, ARE TO BE REMOVED.

Public Works and Travaux publics et Government Services Services gouvernmentaux Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS Région de Pacifique





Project HHe/Titre du projet
ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

Designed by/Concept par GEOFF COOPER	
Drawn by/Dessine par ARNIE RIST	
PWGSC Project Manager/Administrateur de i ANDREW MYLLY	Projets TPSGC
Regional Manager, Environmental Services COLLIN KINGMAN	
Drawing title/Titre du dessin	
WEST JETTY	
DEMOLITION ITEM DESCRI	DIA NOITE
ACTION TABLE	

Project No./No. du projet R.018400.002 **D4** 0

SOUTH	TIMBER JETTY ITEMS DEMOLISHED, REMOVE	D, RELOCATED, OR RETAINED					
ITEM NUMBER	BRIEF DESCRIPTION OF ITEMS	ACTION					
1	TIMBER DECK STRUCTURE AND TIMBER PILES	REMOVE TO DEMOLITION EXTENTS SHOWN AND DISPOSE. SEE NOTE 1 ON D2.					
2	6 MOORING CLEATS	REMOVE AND RETURN TO PWGSC. STORE IN LOCATION DESIGNATED BY THE DEPARTMENTAL REPRESENTATIVE.					
3	TUG BOAT WHARF, INCLUDING FLOATS, PILES AND GANGWAY	REMOVE, STORE AND RETAIN FOR RE-USE AT LOCATION SHOWN ON DRAWINGS.					
4	2 KIOSKS AND JETTY MOUNT TERMINAL BOXES	REMOVE, PREPARE FOR STORAGE AND STORE IN LOCATION DESIGNATED BY DEPARTMENTAL REPRESENTATIVE. PREPARATION FOR STORAGE INCLUDES TIGHTLY PLUGGING ALL EXTERNAL OPENINGS. (e.g. PIPES AND SWITCHGEAR)					
(5)	GUARDRAILS	REMOVE AND DISPOSE.					
6	15 ACCESS HATCHES INCLUDING FRAMES	REMOVE AND DISPOSE.					
7	3 FLOODLIGHTS, PHOTOCELL AND POWER CONTROL RELAY JB	REMOVE AND DISPOSE.					
80	ELECTRICAL SERVICES	REMOVE AND DISPOSE CABLES TO EXTENTS SHOWN ON DWG E1, E2 AND E4. REMOVE BURIED CONDUIT AND DUCT BANKS AS SHOWN ON DWG E1 AND E4. REMOVE AND RETAIN FOR RE-USE ALL ELECTRICAL SERVICES ON TUG WHARF FACILITY. REMOVE AND DISPOSE LED LIGHTING.					
8ь	STORM SERVICES	REMOVE AND DISPOSE.					
(8c	FIRE WATER MAIN	REMOVE TO THE EXTENTS SHOWN ON DWG M4. RETAIN FOR RE-USE ALL PVC PIPE MECHANICAL COUPLINGS, VALVES AND FITTINGS THAT CAN BE USED IN THE WORK. RETURN TO PWGSC ALL FLOW METERS WITH A TAG INDICATING THE ASSOCIATED KIOSK NUMBER. DISPOSE OF ALL OTHER FIRE WATER ITEMS.					
89	COMPRESSED AIR LINE	REMOVE AND DISPOSE TO EXTENTS SHOWN ON M6.					
(8e	SANITARY SEWER	REMOVE AND DISPOSE TO EXTENTS SHOWN ON M5.					
9	FLOATING FENDERS AND FENDER PILES	REMOVE AND DISPOSE FLOATING FENDERS INCLUDING INCLUDING ANCHOR CABLES. REMOVE AND RETAIN FENDER PILES SELECTED FOR RE-USE. REMOVE AND DISPOSE REMAINING FENDER PILES.					
10	FIREWALLS	REMOVE AND DISPOSE.					
11	UNDERDECK WALKWAY	REMOVE AND DISPOSE.					
12	8 LADDERS	REMOVE AND MODIFY LADDERS REQUIRED FOR RE-USE AS SHOWN ON DWG S122. REMOVE AND DISPOSE REMAINING LADDERS.					
13	SOUTH CRANE PAD AND TIMBER PILES	REMOVE AND DISPOSE. SEE NOTE 2 ON DWG D2.					
14)	EAST APPROACH STRUCTURE AND TIMBER PILES	REMOVE TO DEMOLITION EXTENTS SHOWN AND DISPOSE. SEE NOTE 3 ON DWG D2.					
15	63 FIRE SPRINKLER ACCESS (LIDS AND FRAMES)	REMOVE AND DISPOSE.					
16	HIGH MAST LIGHT	REMOVE AND RETAIN FOR RE-USE. CCTV SYSTEM, INCLUDING CCTV CAMERA, TRANSFORMER AND ANTENNA, TO BE REMOVED PRIOR TO REMOVING THE HIGH MAST LIGHT POLE AND RETURNED TO DEPARTMENTAL REPRESENTATIVE. CCTV SYSTEM TO BE RE-INSTALLED AFTER HIGH MAST LIGHT POLE IS RE-ERECTED SEE DRAWINGS D7, D8 AND \$110.					
17	ELECTRICAL PANEL AND RECEPTACLES	REMOVE AND DISPOSE.					
18	KIOSK SCADA WATER METERS	REMOVE AND RETURN TO PWGSC. CORRESPONDING LABELS TO BE REMOVED AND RETURNED TO PWGSC.					
19	FIRE ALARM PULL STATIONS, HORN AND LOCATOR LIGHTS	REMOVE AND RETAIN FOR RE-USE AT SOUTH JETTY.					
20	SHIP NAVIGATION LIGHT	REMOVE AND DISPOSE.					
21	PARTIAL DEMOLITION OF EXISTING ELECTRICAL DUCT CONCRETE PAD	REMOVE AND DISPOSE.					
22	CORNER TIMBER DOLPHINS	REMOVE AND RETAIN FOR RE-USE.					
23	TIMBER SUPPORT BEAMS AND CHOCKS	REMOVE AND DISPOSE TIMBER SUPPORT BEAMS. REMOVE AND RETAIN CHOCKS SELECTED FOR RE-USE. REMOVE AND DISPOSE REMAINING CHOCKS.					
24	SHEET PILE WALL AND WALER	REMOVE AND DISPOSE.					
25	PLYWOOD STEP-OVER FOOTBOARDS	REMOVE AND DISPOSE.					
26	EXPANSION JOINT	REMOVE AND DISPOSE. STEEL ARMORING EMBEDDED IN CONCRETE DECK TO REMAIN.					
27	STEEL ACCESS LADDER	REMOVE, RETAIN AND MODIFY FOR RE-USE. (SEE DWG S122)					
28	BULL RAIL	REMOVE AND RETAIN BULL RAIL SELECTED FOR RE-USE. REMOVE AND DISPOSE REMAINING BULL RAIL.					
29	OLD COLLAPSED SHEET PILE WALL	REMOVE AND DISPOSE.					
30	TIMBER CUT-OFF PILES	REMOVE AND DISPOSE.					

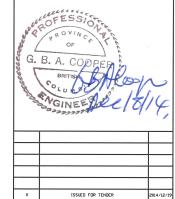
NOTES:

THIS TABLE INDICATES THE PRIMARY ITEMS FOR DEMOLITION AND GIVES GUIDANCE FOR ITEMS TO BE DEMOLISHED, REMOVED, RELOCATED OR RETAINED. ALL ITEMS WITHIN THE EXTENTS OF DEMOLITION, AS SHOWN ON DRAWING D2, ARE TO BE REMOVED.

Public Works and Government Services Services gouvernmentaux Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS Région de Pacifique





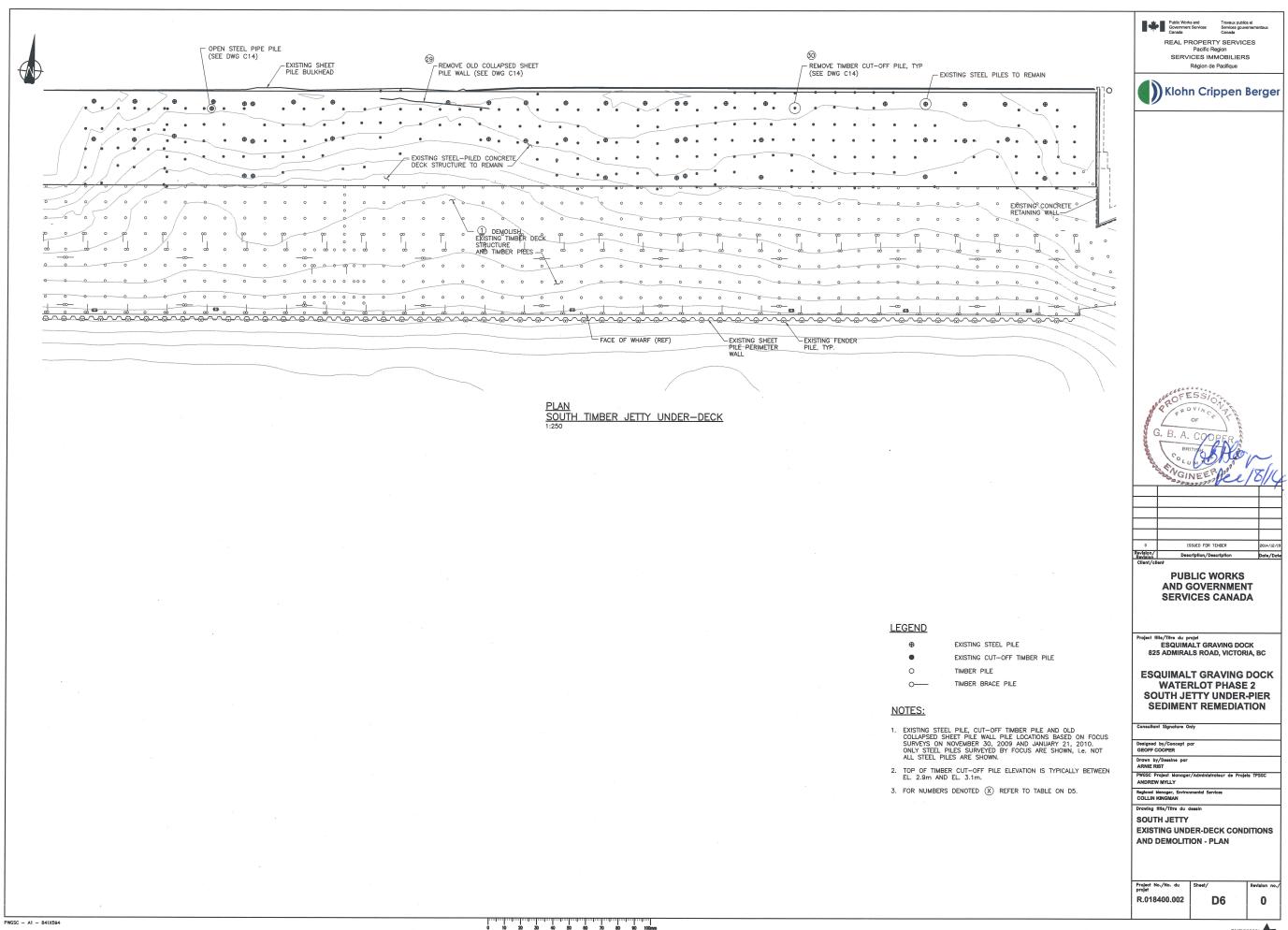
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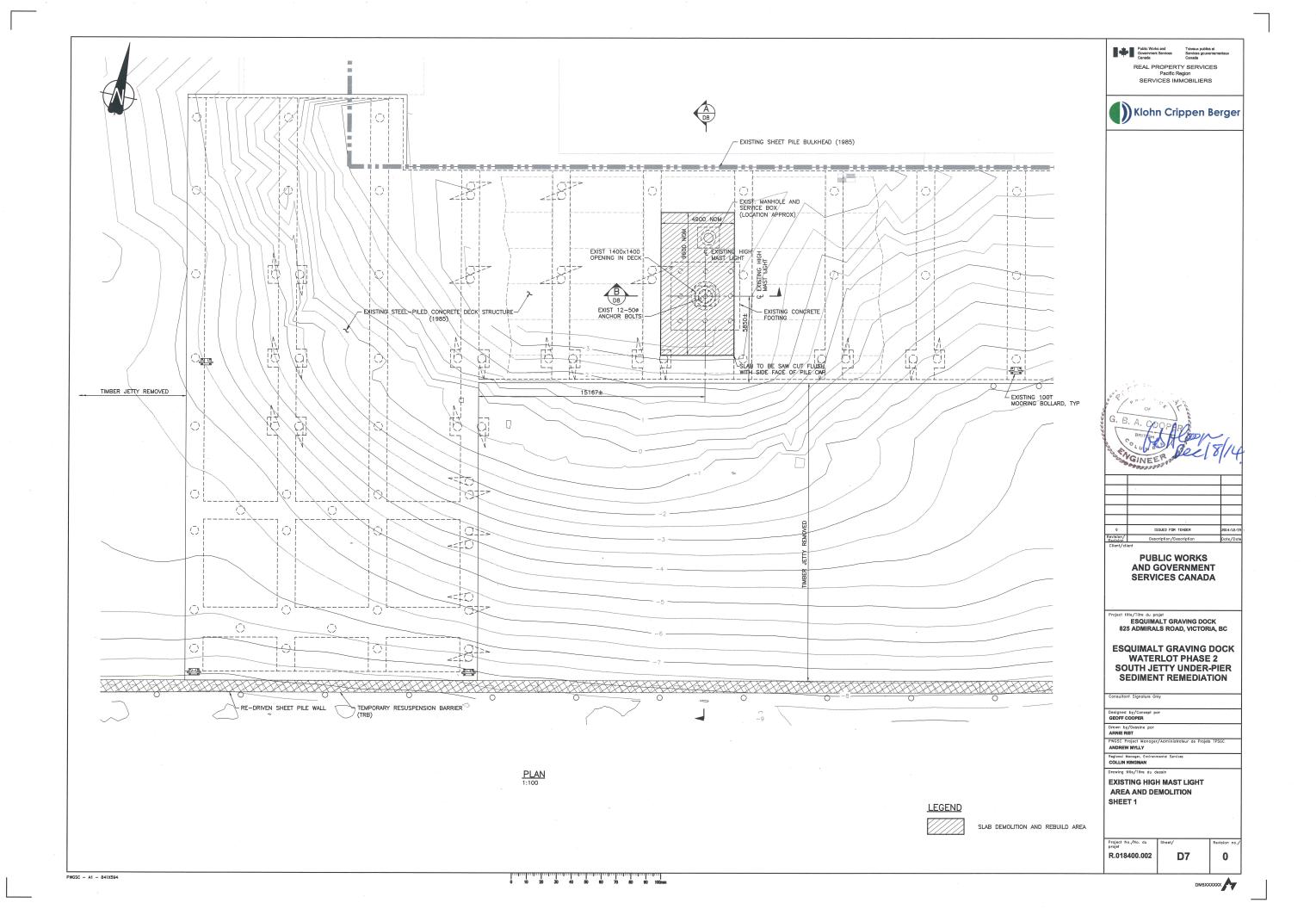
Project ##16/Titre du projet
ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD, VICTORIA, BC

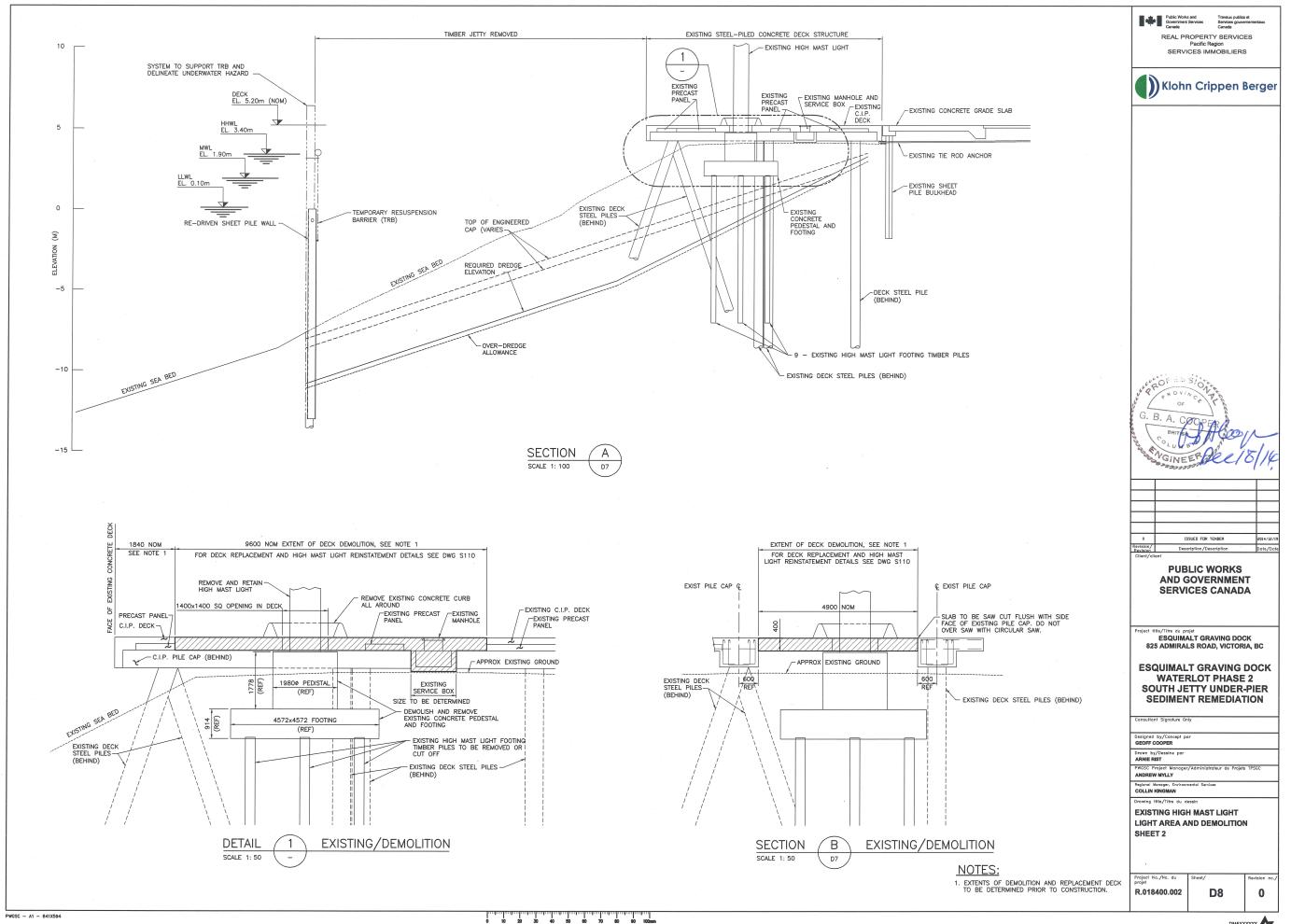
ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

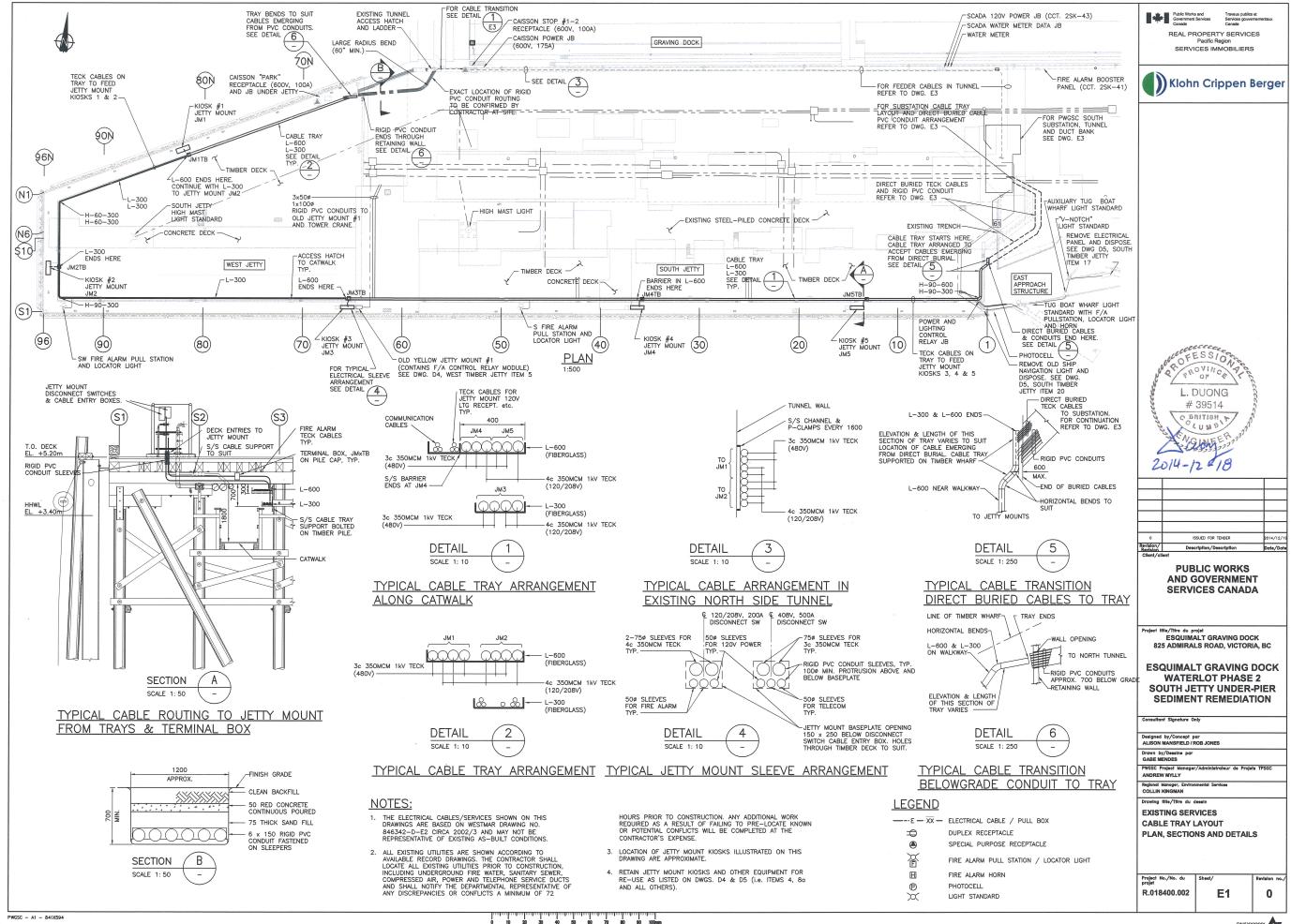
	gned by/Concept par DFF COOPER
	rn by/Dessine par IIE RIST
	SC Project Manager/Administrateur de Projets TPSGC PREW MYLLY
	nal Manager, Environmental Services LIN KINGMAN
Draw	ing title/Titre du dessin
SO	UTH JETTY
DE	MOLITION ITEM DESCRIPTION ANI
40	TION TABLE

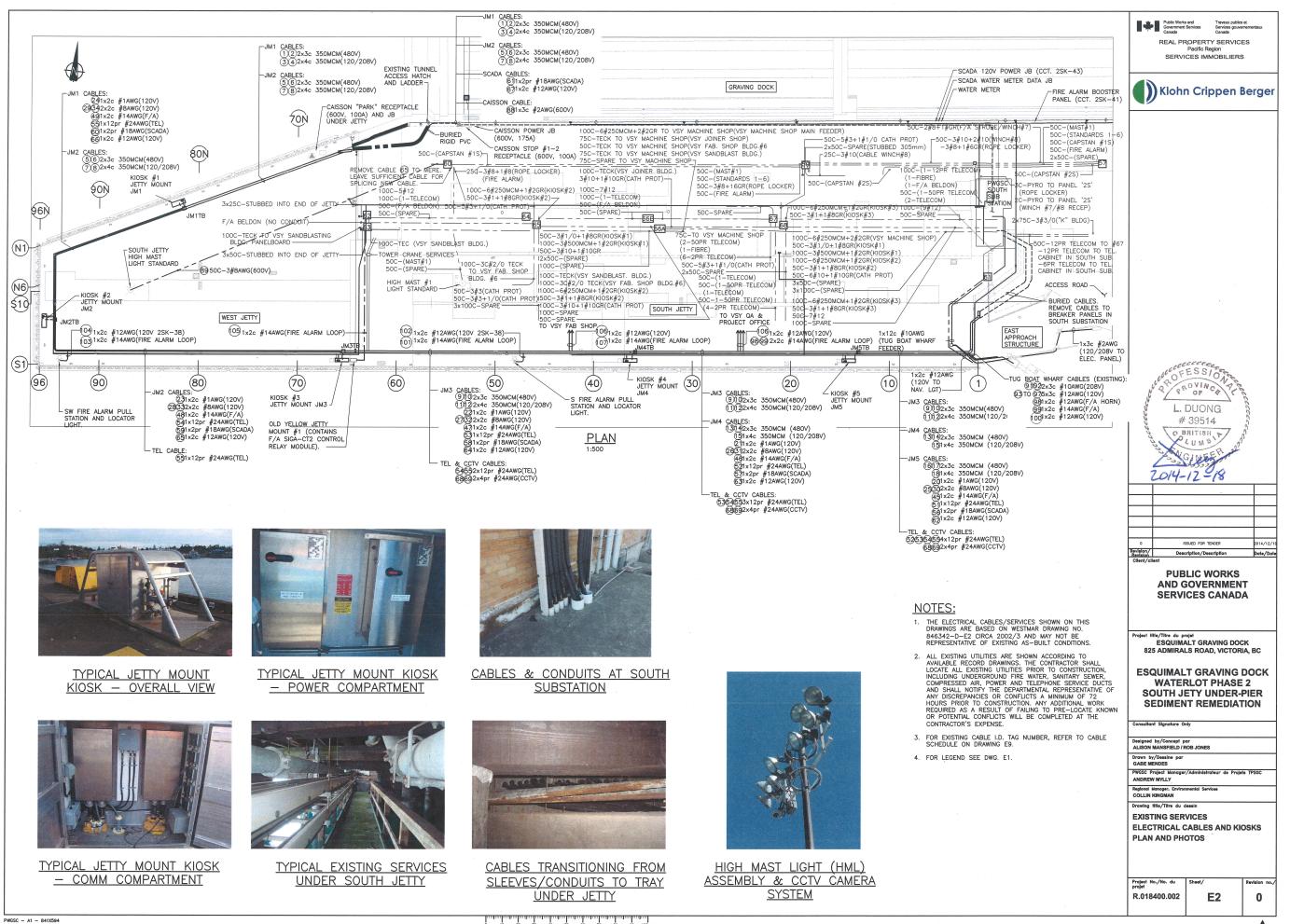
Project No./No. du projet R.018400.002 **D5** 0

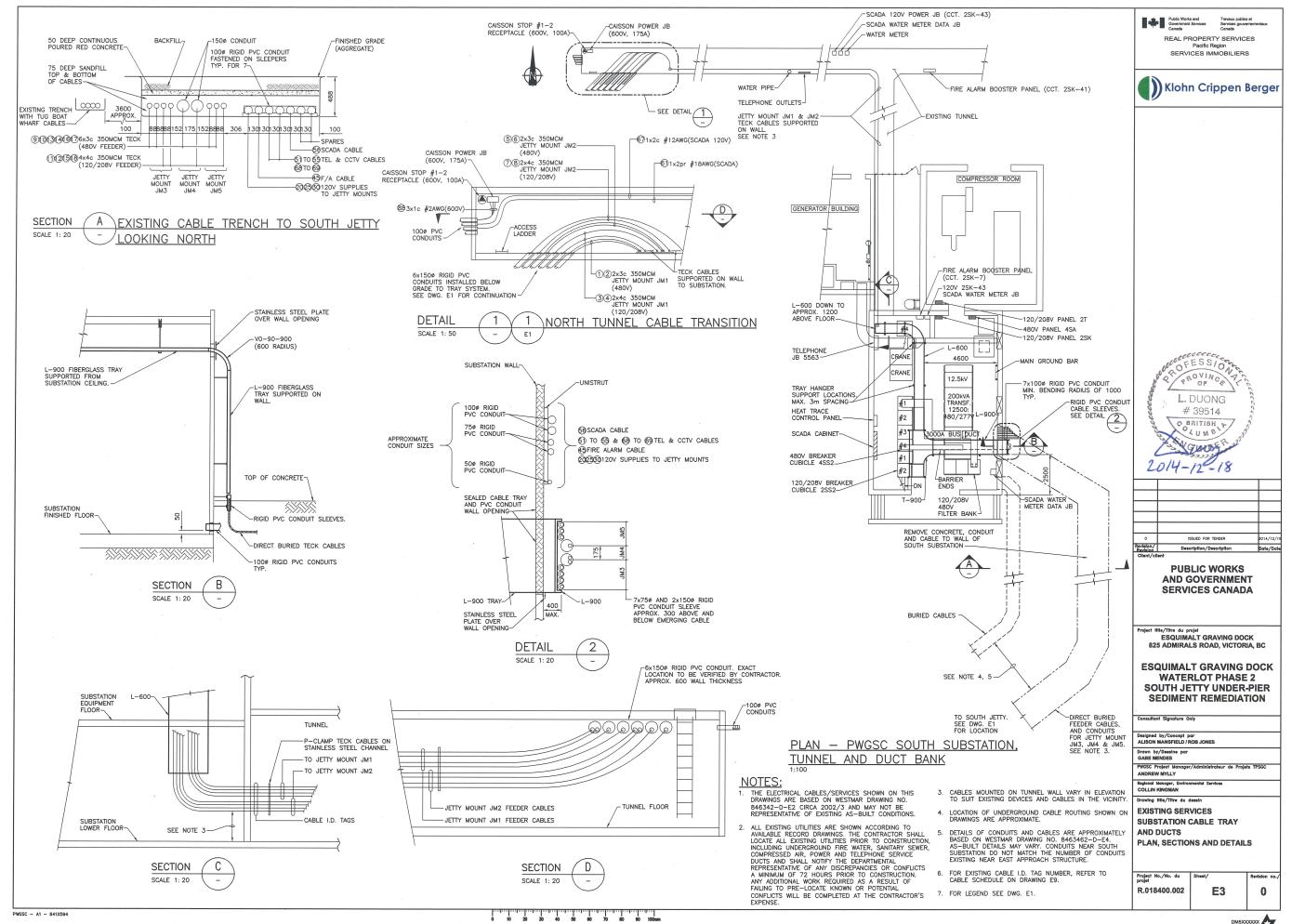


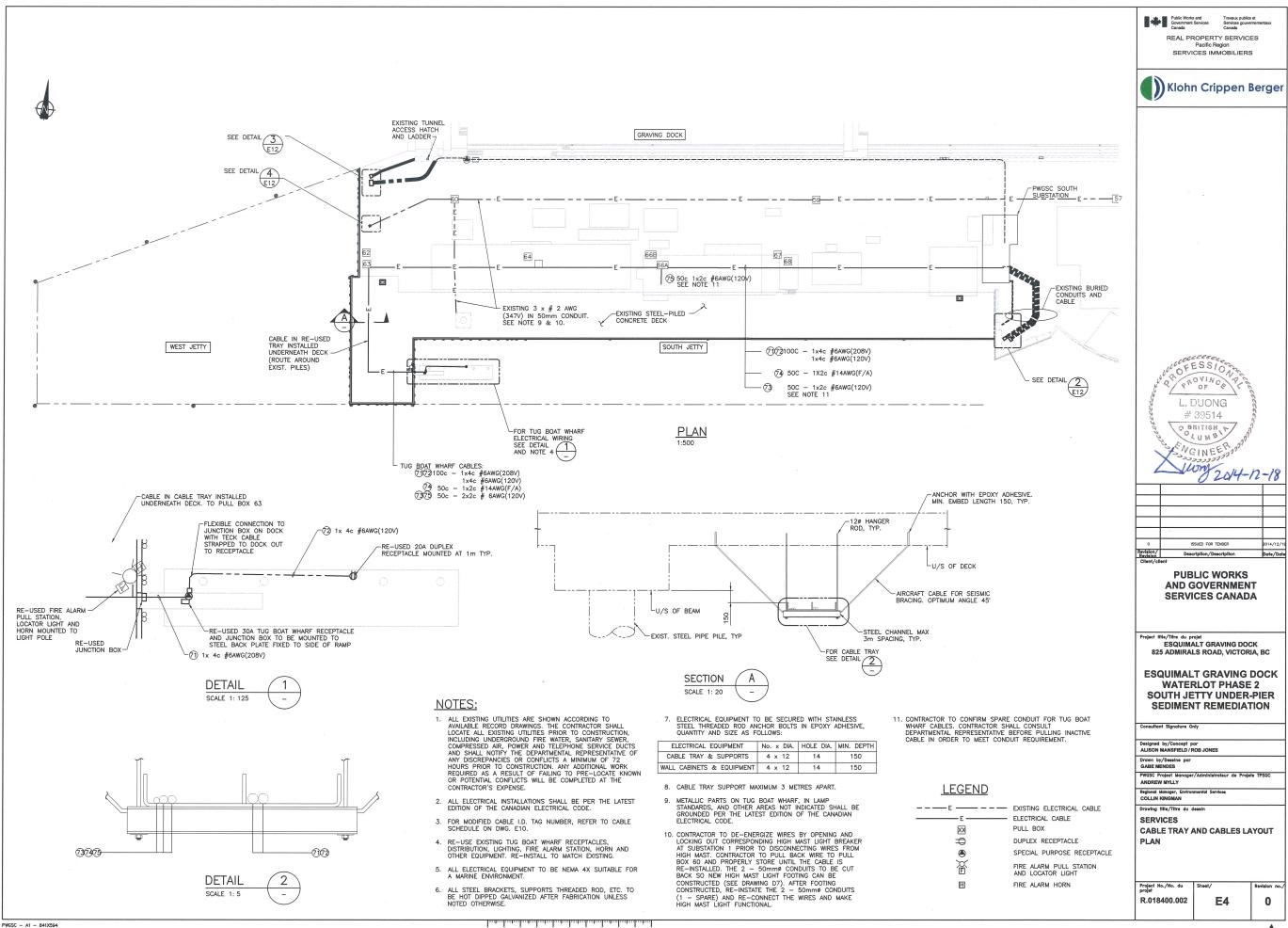










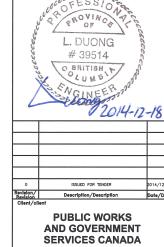


4SS271-JM1		CABLE SIZE 3c 350 MCM	CABLE TYPE TECK 90	SERVICE DESCRIPTION 480V, FEEDER	ORIGIN SOUTH SUB BREAKER 4SS2-71	DESTINATION JETTY MOUNT JM1 - 500A DS	ROUTING NORTH TUNNEL
4SS271-JM1 2SS261-JM1		3c 350 MCM 4c 350 MCM	TECK 90 TECK 90	480V, FEEDER 120/208V, FEEDER	SOUTH SUB BREAKER 4SS2-71 SOUTH SUB BREAKER 2SS2-61	JETTY MOUNT JM1 - 500A DS JETTY MOUNT JM1 - 200A DS	NORTH TUNNEL NORTH TUNNEL
2SS261-JM1	/2	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-61	JETTY MOUNT JM1 - 200A DS	NORTH TUNNEL
4SS272-JM2 4SS272-JM2		3c 350 MCM 3c 350 MCM	TECK 90 TECK 90	480V, FEEDER 480V, FEEDER	SOUTH SUB BREAKER 4SS2-72 SOUTH SUB BREAKER 4SS2-72	JETTY MOUNT JM2 - 500A DS JETTY MOUNT JM2 - 500A DS	NORTH TUNNEL
2SS262-JM2	/1	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-62	JETTY MOUNT JM2 - 200A DS	NORTH TUNNEL
2SS262-JM2 4SS273-JM3		4c 350 MCM 3c 350 MCM	TECK 90 TECK 90	120/208V, FEEDER 480V, FEEDER	SOUTH SUB BREAKER 2SS2-62 SOUTH SUB BREAKER 4SS2-73	JETTY MOUNT JM2 - 200A DS JETTY MOUNT JM3 - 500A DS	NORTH TUNNEL SOUTH JETTY
4SS273-JM3	/2	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB BREAKER 4SS2-73	JETTY MOUNT JM3 - 500A DS	SOUTH JETTY
2SS263-JM3 2SS263-JM3		4c 350 MCM 4c 350 MCM	TECK 90 TECK 90	120/208V, FEEDER 120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-63 SOUTH SUB BREAKER 2SS2-63	JETTY MOUNT JM3 - 200A DS JETTY MOUNT JM3 - 200A DS	SOUTH JETTY SOUTH JETTY
4SS274-JM4		3c 350 MCM	TECK 90	480V, FEEDER 480V, FEEDER	SOUTH SUB BREAKER 4SS2-74 SOUTH SUB BREAKER 4SS2-74	JETTY MOUNT JM4 - 500A DS	SOUTH JETTY
4SS274-JM4 2SS264-JM4		3c 350 MCM 4c 350 MCM	TECK 90 TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 4552-74 SOUTH SUB BREAKER 2SS2-64	JETTY MOUNT JM4 - 500A DS JETTY MOUNT JM4 - 200A DS	SOUTH JETTY SOUTH JETTY
4SS275-JM5 4SS275-JM5		3c 350 MCM 3c 350 MCM	TECK 90 TECK 90	480V, FEEDER 480V, FEEDER	SOUTH SUB BREAKER 4SS2-75 SOUTH SUB BREAKER 4SS2-75	JETTY MOUNT JM5 - 500A DS JETTY MOUNT JM5 - 500A DS	SOUTH JETTY SOUTH JETTY
2SS265-JM5		4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 4552-75	JETTY MOUNT JM5 - SOUA DS JETTY MOUNT JM5 - 200A DS	SOUTH JETTY
NOT USED 2SS2JB-JM5	B/1	2c #1 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB BREAKER 2SS2JB	TERMINAL BOX #JM5TB	SOUTH JETTY
JM5TB-JM4TI JM4TB-JM3TI		2c #1 AWG 2c #1 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM5TB TERMINAL BOX #JM4TB	TERMINAL BOX #JM4TB TERMINAL BOX #JM3TB	SOUTH JETTY SOUTH JETTY
JM3TB-JM2TI	/1	2c #1 AWG	TECK 90	120V	TERMINAL BOX #JM3TB	TERMINAL BOX #JM2TB	SOUTH JETTY
JM2TB-JM1TI 2SS2-JM5TB		2c #1 AWG 2c #8 AWG	TECK 90 TECK 90	120V 120V, 15A FEEDER	TERMINAL BOX #JM2TB SOUTH SUB BREAKER 2SS2	TERMINAL BOX #JM1TB TERMINAL BOX #JM5TB	SOUTH JETTY SOUTH JETTY
JM5TB-JM4TI	/2	2c #8 AWG	TECK 90	120V	TERMINAL BOX #JM5TB	TERMINAL BOX #JM4TB	SOUTH JETTY
JM4TB-JM3TI JM3TB-JM2TI		2c #8 AWG 2c #8 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM4TB TERMINAL BOX #JM3TB	TERMINAL BOX #JM3TB TERMINAL BOX #JM2TB	SOUTH JETTY SOUTH JETTY
JM2TB-JM1TE	/2	2c #8 AWG	TECK 90	120V	TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
2SKCCT42-JI JM5TB-JM4TE		2c #8 AWG 2c #8 AWG	TECK 90 TECK 90	120V, 15A FEEDER 120V	SOUTH SUB PANEL 2SK, CCT.42 TERMINAL BOX #JM5TB	TERMINAL BOX #JM5TB TERMINAL BOX #JM4TB	SOUTH JETTY SOUTH JETTY
JM4TB-JM3TE	/3	2c #8 AWG	TECK 90	120V	TERMINAL BOX #JM4TB	TERMINAL BOX #JM3TB	SOUTH JETTY
JM3TB-JM2TE JM2TB-JM1TE	/3	2c #8 AWG 2c #8 AWG	TECK 90	120V 120V	TERMINAL BOX #JM3TB TERMINAL BOX #JM2TB	TERMINAL BOX #JM2TB TERMINAL BOX #JM1TB	SOUTH JETTY SOUTH JETTY
JM5TB-JM5/ JM5TB-JM5/		4c #12 AWG	TECK 90	120V	TERMINAL BOX #JM5TB	JB FOR LIGHT & RECEP. IN JM5 F/A 120V TERMINALS IN JM5	SOUTH JETTY
JM4TB-JM4/		2c #12 AWG 4c #12 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM5TB TERMINAL BOX #JM4TB	JB FOR LIGHT & RECEP. IN JM4	SOUTH JETTY SOUTH JETTY
JM4TB-JM4/ JM3TB-JM3/		2c #12 AWG 4c #12 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM4TB TERMINAL BOX #JM3TB	F/A 120V TERMINALS IN JM4 JB FOR LIGHT & RECEP. IN JM3	SOUTH JETTY SOUTH JETTY
JM3TB-JM3/		2c #12 AWG	TECK 90	120V	TERMINAL BOX #JM3TB	F/A 120V TERMINALS IN JM3	SOUTH JETTY
JM2TB-JM2/ JM2TB-JM2/		4c #12 AWG 2c #12 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM2TB TERMINAL BOX #JM2TB	JB FOR LIGHT & RECEP. IN JM2 F/A 120V TERMINALS IN JM2	SOUTH JETTY SOUTH JETTY
JM1TB-JM1/		4c #12 AWG	TECK 90	120V	TERMINAL BOX #JM1TB	JB FOR LIGHT & RECEP. IN JM1	SOUTH JETTY
JM1TB-JM1/: F/A BOX-JM		2c #12 AWG 2c #14 AWG	TECK 90 TECK 90	120V FIRE ALARM	TERMINAL BOX #JM1TB SIGA-IM F/A BOX @ SOUTH SUB	F/A 120V TERMINALS IN JM1 JETTY MOUNT 5 FIRE ALARM SYSTEM	SOUTH JETTY SOUTH JETTY
JM5-JM4/FA		2c #14 AWG	TECK 90	FIRE ALARM	JETTY MOUNT 5 FIRE ALARM SYSTEM	JETTY MOUNT 4 FIRE ALARM SYSTEM	SOUTH JETTY
JM4-JM3/FA JM3-JM2/FA		2c #14 AWG 2c #14 AWG	TECK 90 TECK 90	FIRE ALARM FIRE ALARM	JETTY MOUNT 4 FIRE ALARM SYSTEM JETTY MOUNT 3 FIRE ALARM SYSTEM	JETTY MOUNT 3 FIRE ALARM SYSTEM JETTY MOUNT 2 FIRE ALARM SYSTEM	SOUTH JETTY SOUTH JETTY
JM2-JM1/FA NOT USED		2c #14 AWG	TECK 90	FIRE ALARM	JETTY MOUNT 2 FIRE ALARM SYSTEM	JETTY MOUNT 1 FIRE ALARM SYSTEM	SOUTH JETTY
TEL BOX-JM		12pr #24 AWG	TEL	TELEPHONE	TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 5 TELEPHONE TB	SOUTH JETTY
TEL BOX-JM		12pr #24 AWG 12pr #24 AWG	TEL	TELEPHONE TELEPHONE	TELEPHONE BOX @ SOUTH SUB TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 4 TELEPHONE TB JETTY MOUNT 3 TELEPHONE TB	SOUTH JETTY SOUTH JETTY
TEL BOX-JM2		12pr #24 AWG	TEL	TELEPHONE	TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 2 TELEPHONE TB	SOUTH JETTY
SCADA BOX-		12pr #24 AWG 2pr #18 AWG	TEL STP RS485 AIA JKT	TELEPHONE SCADA	TELEPHONE BOX @ SOUTH SUB SCADA PANEL @ SOUTH WATER METER JB	JETTY MOUNT 1 TELEPHONE TB JETTY MOUNT 5 SCADA WATER METER JB	SOUTH JETTY SOUTH JETTY
JM5-JM4/SC	DA-0400E2	2pr #18 AWG	STP RS485 AIA JKT	SCADA	JETTY MOUNT 5 SCADA WATER METER JB	JETTY MOUNT 4 SCADA WATER METER JB	SOUTH JETTY
JM4-JM3/SC JM3-JM2/SC		2pr #18 AWG 2pr #18 AWG	STP RS485 AIA JKT STP RS485 AIA JKT	SCADA SCADA	JETTY MOUNT 4 SCADA WATER METER JB JETTY MOUNT 3 SCADA WATER METER JB	JETTY MOUNT 3 SCADA WATER METER JB JETTY MOUNT 2 SCADA WATER METER JB	SOUTH JETTY SOUTH JETTY
JM2-JM1/SC JM1-DRYDOC		2pr #18 AWG 2pr #18 AWG	STP RS485 AIA JKT STP RS485 AIA JKT	SCADA SCADA	JETTY MOUNT 2 SCADA WATER METER JB JETTY MOUNT 1 SCADA WATER METER JB	JETTY MOUNT 1 SCADA WATER METER JB SERVICE TUNNEL SCADA WATER METER JB	SOUTH JETTY NORTH TUNNEL
2SKCCT43-JN	5 120V	2c #12 AWG	TECK 90	120V	SOUTH SUB PANEL 2SK, CCT. 43	JM5 120V 2SK-43 JB	SOUTH JETTY
JM5-JM4 12		2c #12 AWG 2c #12 AWG	TECK 90	120V	JM5 120V 2SK-43 JB JM4 120V 2SK-43 JB	JM4 120V 2SK-43 JB JM3 120V 2SK-43 JB	SOUTH JETTY SOUTH JETTY
JM3-JM2 12	V 2SK-43	2c #12 AWG	TECK 90	120V	JM3 120V 2SK-43 JB	JM2 120V 2SK-43 JB	SOUTH JETTY
JM2-JM1 120 JM1-TUNNEL		2c #12 AWG 2c #12 AWG	TECK 90	120V 120V	JM2 120V 2SK-43 JB JM1 120V 2SK-43 JB	JM1 120V 2SK-43 JB SERVICE TUNNEL 2SK-43 JB	SOUTH JETTY NORTH TUNNEL
TOWER CRANI	CAMERA -	1pr #24 AWG	UTP CAT5e	CCTV	SOUTH SUBSTATION (UNKNOWN)	SOUTH JETTY TOWER CRANE	SOUTH JETTY
NOT USED	CAMERA	1pr #24 AWG	UTP CAT5e	CCTV	SOUTH SUBSTATION (UNKNOWN)	SOUTH JETTY TOWER CRANE	SOUTH JETTY
NOT USED NOT USED							
NOT USED							
NOT USED NOT USED							
NOT USED							
NOT USED							
NOT USED							
NOT USED							
NOT USED							
NOT USED NOT USED							
NOT USED NOT USED							
NOT USED							
CAISSON 1/2 6SHCCT26-SJ		Sc #2 AWG Sc #1 AWG	TECK 90 RW90/TECK 90	600V 347V	CAISSON 1/2 JB IN SERVICE TUNNEL MAIN SUB PANEL 6SH CCT. 26	CAISSON PARK JETTY MOUNT 1 SOUTH JETTY HIGH MAST LIGHT	NORTH TUNNEL EXISTING DUCT BANK
NOT USED							- W
2SKCCT18/20 2SKCCT22/24		lc #8 AWG	TECK 90 TECK 90	208V 208V	SOUTH SUB PANEL 2SK, CCT. 18/20 SOUTH SUB PANEL 2SK, CCT. 22/24	TUG WHARF RECEPTACLE 30A TUG WHARF RECEPTACLE 30A	SOUTH JETTY SOUTH JETTY
2SKCCT23-TU	G3 4	lc #10 AWG	TECK 90	120V	SOUTH SUB PANEL 2SK, CCT. 23	TUG WHARF RECEPTACLE 20A	SOUTH JETTY
2SKCCT16-TL TUGPC-TUGLI		3c #12 AWG 3c #12 AWG	TECK 90 TECK 90	120V 120V	SOUTH SUB PANEL 2SK, CCT. 16 TUG WHARF PHOTOCELL	TUG WHARF PHOTOCELL & CONTROL RELAY TUG FLOODLIGHT 1	SOUTH JETTY SOUTH JETTY
TUGPC-TUGLI	HT2	C #12 AWG	TECK 90	120V	TUG FLOODLIGHT 1	TUG FLOODLIGHT 2	SOUTH JETTY
TUGPC-TUGLI		SC #12 AWG 2c #12 AWG	TECK 90 TECK 90	120V 120V	TUG FLOODLIGHT 2 VSY QA OFFICE 120V PANEL	TUG FLOODLIGHT 3 TUG WHARF F/A HORN	SOUTH JETTY SOUTH JETTY
F/A BOX TUG	F/A HORN 2	2c #14 AWG	TECK 90	FIRE ALARM	VSY QA OFFICE F/A BOOSTER PANEL	TUG WHARF FIRE ALARM	SOUTH JETTY
SIGA-CT2 -	ETTY F/A S 2	2c #12 AWG 2c #14 AWG	TECK 90 TECK 90	120V FIRE ALARM	SOUTH SUB PANEL 2SK, CCT. 38 SIGA-CT2 F/A CONTROL RELAY KIOSK #3	TUG WHARF LOCATOR LIGHT JETTY FIRE ALARM S	SOUTH JETTY SOUTH JETTY
	TUG - LOC LGT S 2	2c #12 AWG	TECK 90	120V	TUG WHARF LOCATOR LIGHT	JETTY LOCATOR LIGHT S	SOUTH JETTY
	S - LOC LGT SW 2	2c #14 AWG 2c #12 AWG	TECK 90 TECK 90	FIRE ALARM 120V	SIGA-CT2 F/A CONTROL RELAY KIOSK #3 JETTY LOCATOR LIGHT S	JETTY FIRE ALARM SW JETTY LOCATOR LIGHT SW	SOUTH JETTY SOUTH JETTY
					SIGA-CT2 F/A CONTROL RELAY KIOSK #3	PULL PIT 63 F/A LOOP	SOUTH JETTY
SIGA-CT2 -	- QA OFFICE 120V 2	2c #14 AWG	TECK 90 TECK 90	FIRE ALARM 120V	VSY FAB SHOP 120V PANEL	VSY QA OFFICE 120V PANEL	SOUTH JETTY

Public Works and Travaux publics et Services gouvernementaux Canada Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS





NOTES:

- 1. CONTRACTOR TO FIELD VERIFY ALL DETAILS PRIOR TO ORDERING NEW CABLES. OBTAIN INSTRUCTION FROM DEPARTMENTAL REPRESENTATIVE BEFORE ORDERING MATERIAL IF THERE IS ANY DISCREPANCY OR IF ADDITIONAL CABLES NOT SHOWN ARE FOUND.
- FOR CABLES 68 AND 69, EXACT ORIGIN AND DESTINATION IS UNKNOWN. FIELD VERIFY CABLE ROUTE WITH DEPARTMENTAL REPRESENTATIVE.
- 3. FOR CABLE SCHEDULE AFTER DEMOLITION SEE DWG. E10.

Project HHe/Titre du projet ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

Designed by/Concept por
ALISON MANSFIELD / ROB JONES
Drown by/Designe por
GABE MEMDES
PWGSC Project Manager/Administrateur de Projets TPSGC
ANDREW MYLLY
Regland Manager, Environmental Services
COLLIN KINGMAN

EXISTING SERVICES ELECTRICAL CABLE SCHEDULE

Project No./No. du projet R.018400.002 **E9**

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0 10 20 30 40 50 60 70 80 90 100mm

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<u>MODIFII</u>	<u>ED CABLE SCHED</u>	ULE						
I.D. TAG	CABLE I.D. NUMBER	CABLE SIZE		SERVICE DESCRIPTION	ORIGIN (SEE NOTE 2)	DESTINATION	ROUTING	
1 2	4SS271-JM1/1 4SS271-JM1/2	3c 350 MCM 3c 350 MCM	TECK 90	480V, FEEDER 480V, FEEDER	SOUTH SUB LOWER FLOOR SOUTH SUB LOWER FLOOR	PULL PIT T2 PULL PIT T2	NORTH TUNNEL NORTH TUNNEL	
3	2SS261-JM1/1	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL	
5	2SS261-JM1/2 4SS272-JM2/1	4c 350 MCM 3c 350 MCM	TECK 90	120/208V, FEEDER 480V, FEEDER	SOUTH SUB LOWER FLOOR SOUTH SUB LOWER FLOOR	PULL PIT T2 PULL PIT T2	NORTH TUNNEL NORTH TUNNEL	<u> </u>
6	4SS272-JM2/2	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL	
7 8	2SS262-JM2/1 2SS262-JM2/2	4c 350 MCM	TECK 90	120/208V, FEEDER 120/208V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL	
9	4SS273-JM3/1	4c 350 MCM 3c 350 MCM	TECK 90 TECK 90	480V, FEEDER	SOUTH SUB LOWER FLOOR SOUTH SUB CABLE TRAY	PULL PIT T2 OUTSIDE T4	NORTH TUNNEL SOUTH JETTY	
10	4SS273-JM3/2	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB CABLE TRAY	OUTSIDE T4	SOUTH JETTY	
11	2SS263-JM3/1 2SS263-JM3/2	4c 350 MCM 4c 350 MCM	TECK 90	120/208V, FEEDER 120/208V, FEEDER	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	OUTSIDE T4	SOUTH JETTY SOUTH JETTY	-
13	4SS274-JM4/1	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T4	SOUTH JETTY	
. 14	4SS274-JM4/2 2SS264-JM4	3c 350 MCM 4c 350 MCM	TECK 90	480V, FEEDER 120/208V, FEEDER	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	PULL PIT T4 OUTSIDE T4	SOUTH JETTY SOUTH JETTY	
16	4SS275-JM5/1	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB CABLE TRAY	OUTSIDE T4	SOUTH JETTY	
17	4SS275-JM5/2 2SS265-JM5	3c 350 MCM 4c 350 MCM	TECK 90	480V, FEEDER 120/208V, FEEDER	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	OUTSIDE T4 OUTSIDE T4	SOUTH JETTY SOUTH JETTY	
19	NOT USED		•		300111 30B CABLE TIVAT	OUTSIDE 14	300111 02111	
20	2SS2JB-JM5TB/1 NOT USED	2c #1 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
22	NOT USED							
23	NOT USED							
25	NOT USED 2SS2-JM5TB/2	2c #8 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
26	NOT USED							
27 28	NOT USED NOT USED							
29	NOT USED					·		
30	2SKCCT42-JM5TB NOT USED	2c #8 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
32	NOT USED							
33 34	NOT USED NOT USED							
35	NOT USED							
36 37	NOT USED NOT USED							
38	NOT USED							
39	NOT USED							
40	NOT USED NOT USED							
42	NOT USED							
43	NOT USED NOT USED							
45	F/A BOX-JM5	2c #14 AWG	TECK 90	FIRE ALARM	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
46	NOT USED NOT USED							
48	NOT USED							
49 50	NOT USED NOT USED							
51	TEL BOX-JM5	12pr #24 AWG	TEL	TELEPHONE	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
52	TEL BOX-JM4	12pr #24 AWG	TEL	TELEPHONE	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
53 54	TEL BOX-JM3 TEL BOX-JM2	12pr #24 AWG 12pr #24 AWG	TEL TEL	TELEPHONE TELEPHONE	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	PULL PIT T5 PULL PIT T5	SOUTH JETTY SOUTH JETTY	
55	TEL BOX-JM1	12pr #24 AWG	TEL	TELEPHONE	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
56 57	SCADA BOX-JM5-0400E1 NOT USED	2pr #18 AWG	STP RS485 AIA JKT	SCADA	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
58	NOT USED							
59 60	NOT USED							
61	JM1-DRYDOCK SPARE	2pr #18 AWG	STP RS485 AIA JKT	SCADA	PULL PIT T1	SERVICE TUNNEL SCADA WATER METER JB (SEE	NORTH TUNNEL	
62	2SKCCT43-JM5 120V	2c #12 AWG				NOTE 2)		
63	NOT USED	20 #12 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY	
64	NOT USED			X				
65 66	NOT USED NOT USED							
67	JM1-TUNNEL 120V 2SK-43	2c #12 AWG	TECK 90	120V	PULL PIT T1	SERVICE TUNNEL 2SK-43 JB (SEE NOTE 2)		
68 69	TOWER CRANE CAMERA TOWER CRANE CAMERA	4pr #24 AWG 4pr #24 AWG	UTP CAT5e	CCTV	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	PULL PIT T5 PULL PIT T5	SOUTH JETTY SOUTH JETTY	
70	NOT USED		7	•				
71 72	2SKCCT22/24-TUG2 2SKCCT23-TUG3	4c #6 AWG 4c #6 AWG	TECK 90	208V 120V	SOUTH SUB PANEL 2SK, CCT. 22/24 SOUTH SUB PANEL 2SK, CCT. 23	TUG WHARF RECEPTACLE 30A TUG WHARF RECEPTACLE 20A	EXISTING BURIED CONDUIT EXISTING BURIED CONDUIT	
73	F/A BOX - TUG F/A	2c #6 AWG	TECK 90	120V	SOUTH SUB PANEL 2SK, CCT. 25	TUG WHARF F/A HORN	EXISTING BURIED CONDUIT	
74 75	F/A BOX TUG F/A HORN VSY MAC-F/A LOC LGT TUG	2c #14 AWG 2c #6 AWG	TECK 90 TECK 90	FIRE ALARM 120V	SIGMA-IM BOX @ SOUTH SUB	TUG WHARF FIRE ALARM TUG WHARF LOCATOR LIGHT	EXISTING BURIED CONDUIT EXISTING BURIED CONDUIT	
76	NOT USED	ZC #0 AWG	TECK 90	1200	VSY MACHINE SHOP PANEL 28M	TOG WHARF LOCATOR LIGHT	EXISTING BURIED CONDUIT	
77	NOT USED							
78 79	NOT USED NOT USED							
80	NOT USED							NOTEC.
81	NOT USED NOT USED							NOTES:
83	NOT USED							1. CONTRACTOR TO FIELD VERIFY ALL DETAILS PRIOR TO ORDERING NEW CABLES. OBTAIN INSTRUCTION FROM
84 85	NOT USED							DEPARTMENTAL REPRESENTATIVE BEFORE ORDERING
86	NOT USED							MATERIAL IF THERE IS ANY DISCREPANCY OR IF ADDITIONAL CABLES NOT SHOWN ARE FOUND.
87	NOT USED		1			T		2. CABLES SHALL BE DISCONNECTED FROM EQUIPMENT,
88 89	CAISSON 1/2JB-PARKJM1 6SHCCT26-SJ HIGH MAST	3c #2 AWG 3c #1 AWG	TECK 90 RW90/TECK 90	600V 347V	CAISSON 1/2 JB IN SERVICE TUNNEL MAIN SUB PANEL 6SH CCT. 26	PULL PIT T1 PULL PIT T3	NORTH TUNNEL EXISTING DUCT BANK	CAPPED AND SEALED. CABLES WITH A NORTH TUNNEL
90	NOT USED			•				ROUTING SHALL BE MADE SAFE AND PULLED BACK ONTO THE SUBSTATION LOWER FLOOR. CABLES WITH A
91	2SKCCT18/20-TUG1 2SKCCT22/24-TUG2	4c #8 AWG 4c #8 AWG	TECK 90 TECK 90	208V 208V	SOUTH SUB_CABLE_TRAY SOUTH_SUB_CABLE_TRAY	NEAR PULL PIT T4 NEAR PULL PIT T4	SOUTH JETTY SOUTH JETTY	SOUTH JETTY ROUTING SHALL BE MADE SAFE AND PULLED BACK ONTO THE EXISTING CABLE TRAY IN THE
93	2SKCCT22/24-10G2 2SKCCT23-TUG3	4c #10 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY	SOUTH SUB. TAGGING SHALL REMAIN ON CABLES.
94	2SKCCT16-TUGPC	3c #12 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY	
95 96	NOT USED							
97	NOT USED							
98 99	NOT USED NOT USED							4
100	2SKCCT38-F/A LOC LGT TUG	2c #12 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY	
101	NOT USED							
102 103	NOT USED NOT USED							-
104	NOT USED		2					
105	NOT USED NOT USED							-
107	NOT USED							



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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS





PUBLIC WORKS AND GOVERNMENT **SERVICES CANADA**

ISSUED FOR TENDER

Project Hille/Titre du projet
ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 **SOUTH JETTY UNDER-PIER** SEDIMENT REMEDIATION

Designed by/Concept par ALISON MANSFIELD / ROB JONES

Drawn by/Dessine par GABE MENDES

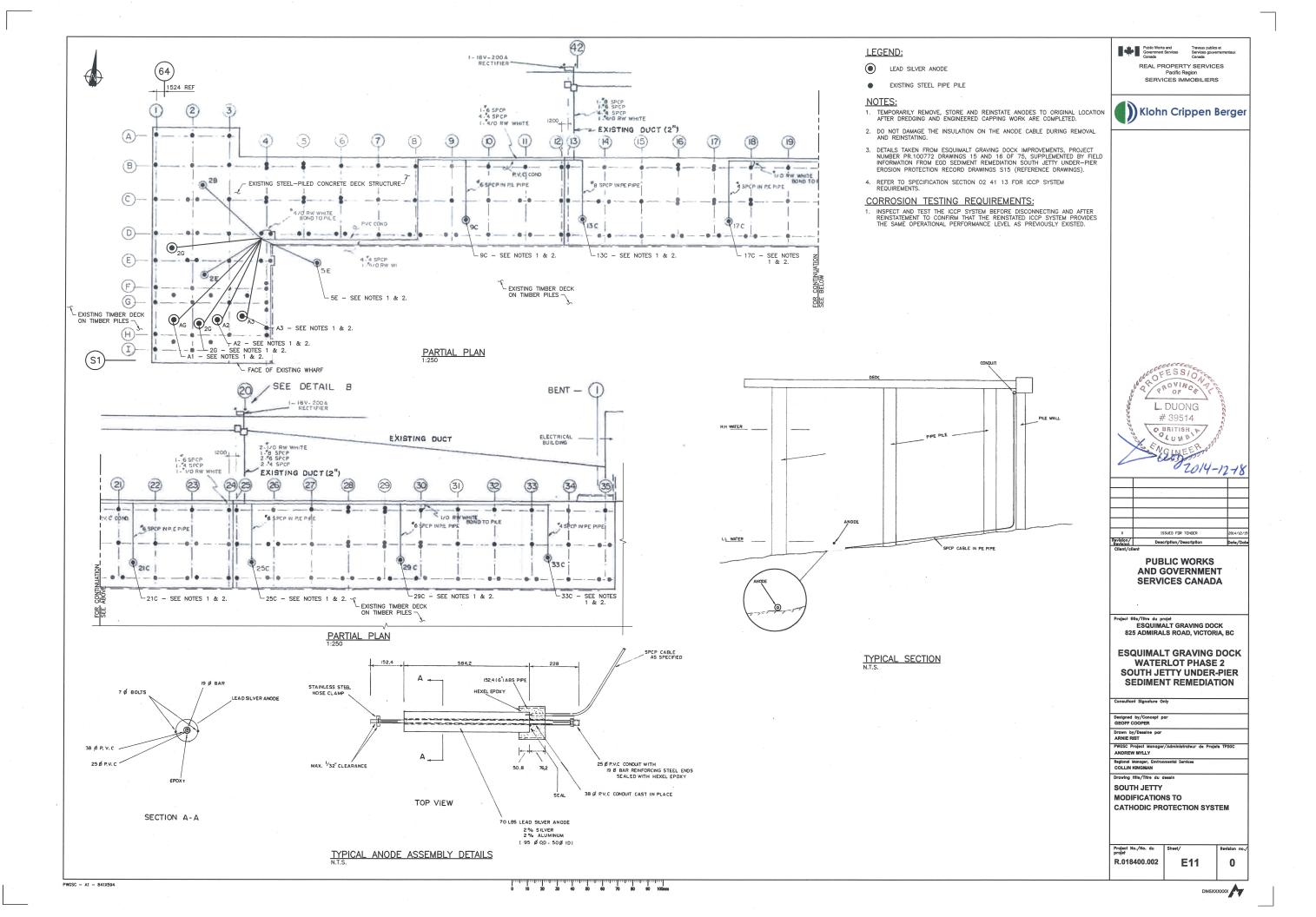
PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY

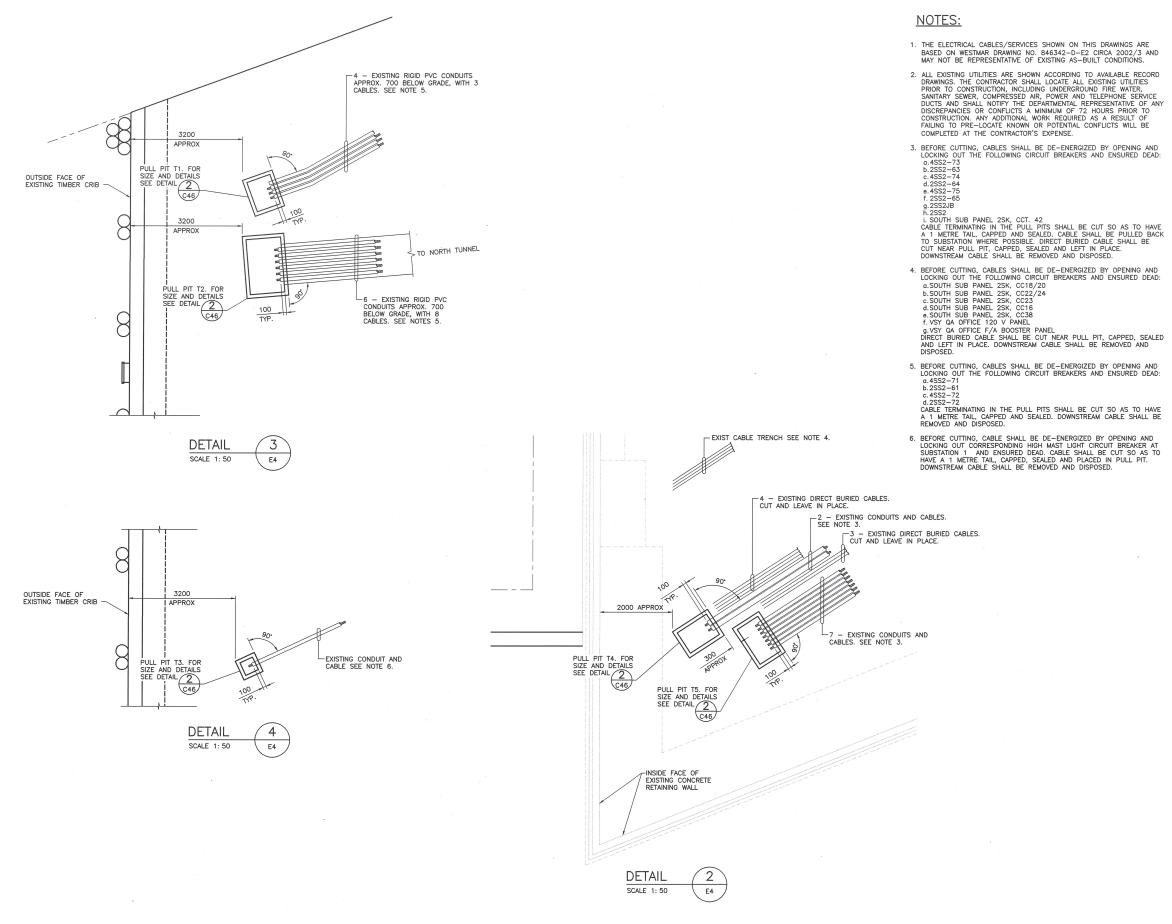
MODIFICATIONS TO SERVICES ELECTRICAL CABLE SCHEDULE

Project No./No. du projet R.018400.002

E10 0

0 10 20 30 40 50 60 70 80 90 100mm





1. THE ELECTRICAL CABLES/SERVICES SHOWN ON THIS DRAWINGS ARE BASED ON WESTMAR DRAWING NO. 846342-D-E2 CIRCA 2002/3 AND MAY NOT BE REPRESENTATIVE OF EXISTING AS-BUILT CONDITIONS.

2. ALL EXISTING UTILITIES ARE SHOWN ACCORDING TO AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, INCLUDING UNDERGROUND FIRE WATER, SANITARY SEWER, COMPRESSED AIR, POWER AND TELEPHONE SERVICE DUCTS AND SHALL NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. ANY ADDITIONAL WORK REQUIRED AS A RESULT OF FAILING TO PRE-LOCATE KNOWN OR POTENTIAL CONFLICTS WILL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.

3. BEFORE CUTTING, CABLES SHALL BE DE-ENERGIZED BY OPENING AND LOCKING OUT THE FOLLOWING CIRCUIT BREAKERS AND ENSURED DEAD:

5. BEFORE CUTTING, CABLES SHALL BE DE-ENERGIZED BY OPENING AND LOCKING OUT THE FOLLOWING CIRCUIT BREAKERS AND ENSURED DEAD:

U.233Z—7Z
CABLE TERMINATING IN THE PULL PITS SHALL BE CUT SO AS TO HAVE
A 1 METRE TAIL, CAPPED AND SEALED. DOWNSTREAM CABLE SHALL BE
REMOVED AND DISPOSED.

6. BEFORE CUTTING, CABLE SHALL BE DE—ENERGIZED BY OPENING AND LOCKING OUT CORRESPONDING HIGH MAST LIGHT CIRCUIT BREAKER AT SUBSTATION 1 AND ENSURED DEAD. CABLE SHALL BE CUT SO AS TO HAVE A 1 METRE TAIL, CAPPED, SEALED AND PLACED IN PULL PIT. DOWNSTREAM CABLE SHALL BE REMOVED AND DISPOSED.

Public Works and Travaux publics et Government Services Services gouvernemental Canada

REAL PROPERTY SERVICES SERVICES IMMOBILIERS





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AND GOVERNMENT **SERVICES CANADA**

PUBLIC WORKS

Project title/Titre du projet
ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 **SOUTH JETTY UNDER-PIER** SEDIMENT REMEDIATION

Designed by/Concept par LAWRENCE DUONG

Drawn by/Dessine par MIKE BRIDDEN PWGSC Project Manager

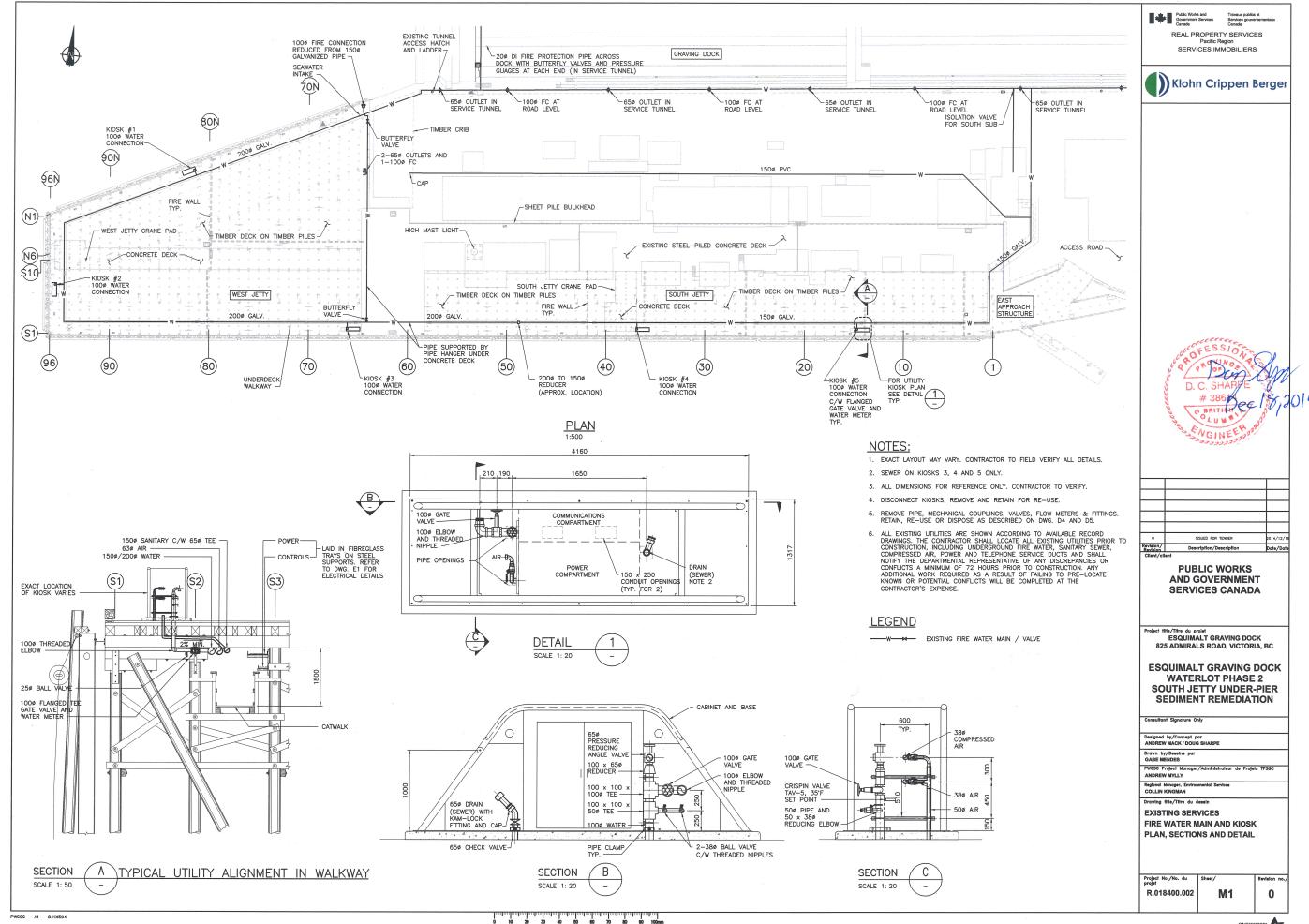
ANDREW MYLLY

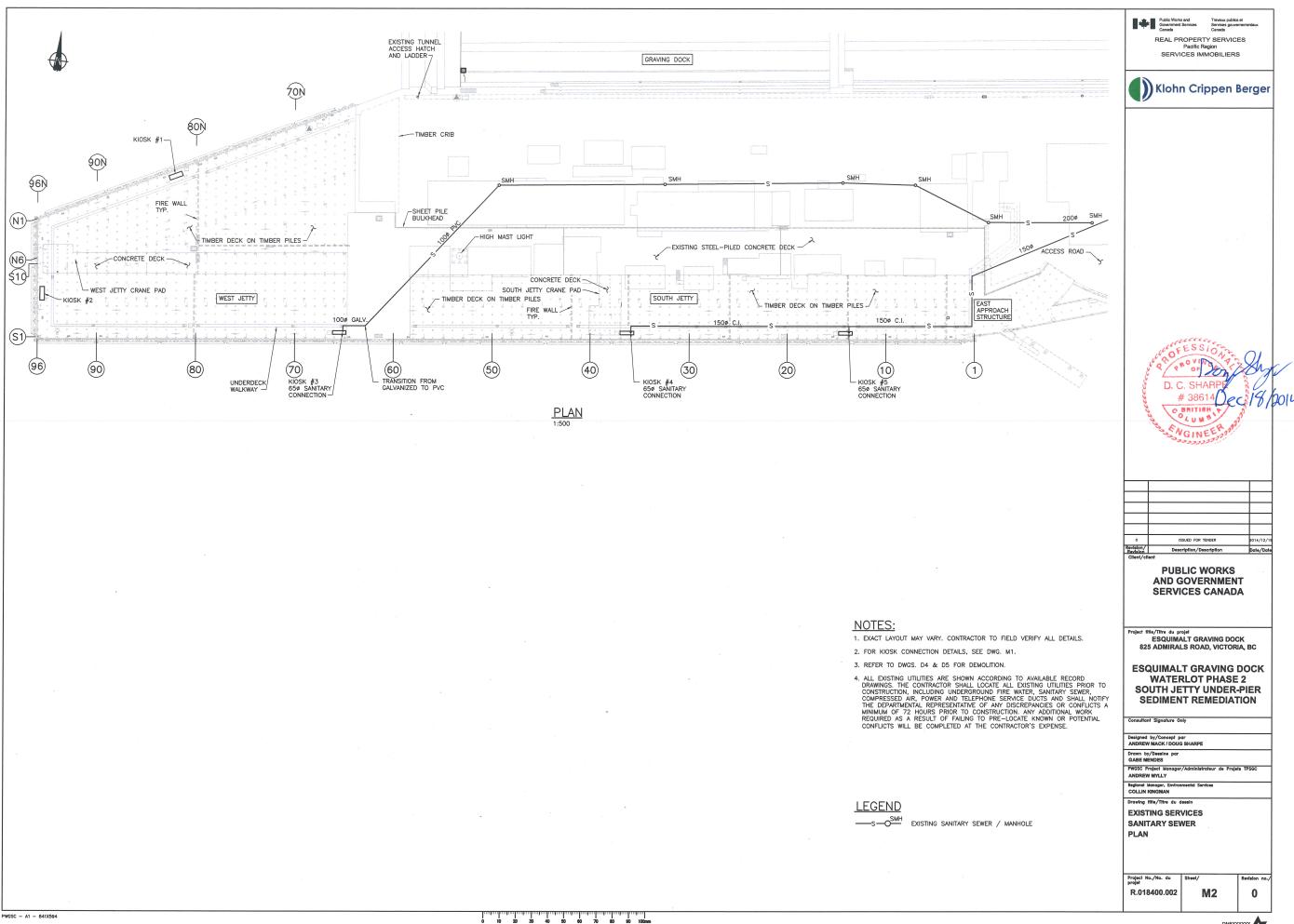
Drawing title/Titre du

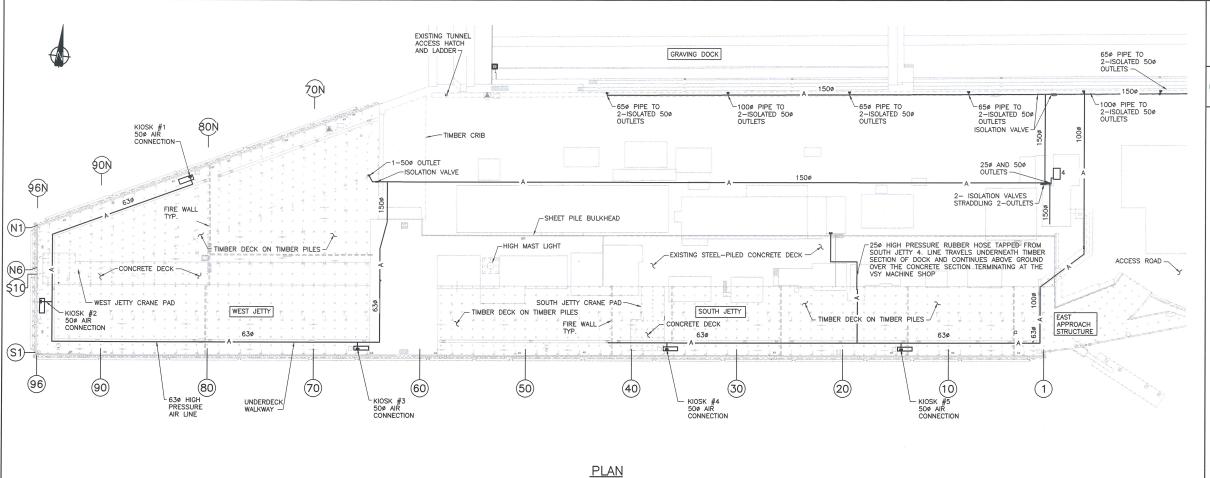
SERVICES ELECTRICAL **TERMINATION DETAILS**

Project No./No. du R.018400.002

E12 0







IOTES:

- 1. EXACT LAYOUT MAY VARY. CONTRACTOR TO FIELD VERIFY ALL DETAILS.
- 2. FOR KIOSK CONNECTION DETAILS, SEE DWG. M1.
- 3. REFER TO DWGS. D4 & D5 FOR DEMOLITION.
- 4. ALL EXISTING UTILITIES ARE SHOWN ACCORDING TO AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, INCLUDING UNDERGROUND FIRE WATER, SANITARY SEWER, COMPRESSED AIR, POWER AND TELEPHONE SERVICE DUCTS AND SHALL NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS A MINIMUM OF 27 HOURS PRIOR TO CONSTRUCTION. ANY ADDITIONAL WORK REQUIRED AS A RESULT OF FAILING TO PRE-LOCATE KNOWN OR POTENTIAL CONFLICTS WILL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.

LEGEND

A → EXISTING AIR LINE / VALVE

Publi Gove s and Trave : Services Servi

Canada Canada

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PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

ISSUED FOR TENDER

Project Hile/Titre du projet ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC

ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

Consultant Signature Or

Designed by/Concept par ANDREW MACK / DOUG SHARPE

BE MENDES

PWGSC Project Manager/Administrate
ANDREW MYLLY

OLLIN KINGMAN

Drawing title/Titre du dessi

EXISTING SERVICES COMPRESSED AIR PLAN

Project No./No. du Sheet projet R.018400.002

R.018400.002 M3

113594

0 10 20 30 40 50 80 70 80 90 100mm

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