

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. SHALL GOVERN.
- 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 SECURICATIONS 1.3. IN THE SPECIFICATIONS
- CONTRACTOR SHALL COMPLETE PRE-CONSTRUCTION SURVEY TO MEET 1.4. 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 CONTROL
- 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 1.5. DEPARTMENTAL REPRESENTATIVE
- 1.6. TIDE ELEVATIONS (CHART DATUM):

EXTREME	HIGH	WATER	LEVEL	(EHWL)	3.8m
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HIGHER HIGH WATER LEVEL (HHWL)	3.4m
MEAN WATER LEVEL (MWL)	1.9m
LOWER LOW WATER LEVEL (LLWL)	0.1m
EXTREME LOW WATER LEVEL	-0.5m

- EXTREME LOW WATER LEVEL
- PWGSC SITE BENCHMARK IS "BOLT". FROM PWGSC PLAN SK4593-1 1.7. DATED OCTOBER 1999, "BOLT" IS ELEVATION 4.725m TO PWGSC DATUM, BOLT IS 4.849m ABOVE LLWL; LLWL IS 0.124m BELOW PWGSC DATUM 0.0; LLWL 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.

- 1.8. FOR CONTROL MONUMENT INFORMATION SEE DRAWING C3.
- 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 LUVE LOADS FOR SPECIFIC STRUCTURAL COMPONENTS ARE AS SPECIFIED ON THE RELEVANT 1.9 DRAWINGS. THE DESIGN SERVICE LIFE FOR MAJOR STRUCTURAL COMPO

INENIS IS:		
HIGH MAST LIGHT	75	YEARS
BULL RAIL	20	YEARS
SAFETY LADDERS	20	YEARS
FENDER PILES 2	20	YEARS
HAND RAIL	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 18 OPEN-WATER REMEDIATION PROJECT. OPEN WATER BATHYMETRY SURVEY WAS CONDUCTED BY CRA CANADA SURVEYS INC. ON 2014 (03 (05 ECI) UNING. CONDUCTED BY CRA CANADA SURVEYS INC. 1.10. 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 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. SEISMIC LOADS WERE NOT CONSIDERED FOR THE SHEET PILE CONTAINMENT WALL AS IT IS CONSIDERED FOR THE SHEET PILE CONTAINMENT WALL AS IT IS 1.12.
- 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: 1.13.
 - 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. 1.14. 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 CD CL.P. CRB CL.P. CSRS CL C/W CJ Ø DU €	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 DARDEC UNIT CENTERLINE	DWG E EGD EHWL EL EQ SP EW EXP 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

2. TEMPORARY RE-SUSPENSION BARRIERS:

2.1. 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 MPG © 28 DAYS. ALL OTHER CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 30 MPG © 28 DAYS. 3.3.
- 3.4. ALL EXPOSED EDGES SHALL HAVE 20mm CHAMFER, U.N.O.

4. CONCRETE REINFORCEMENT:

- REINFORCING BARS SHALL BE UNCOATED BILLET STEEL BARS 4.1. 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 4.3. SHOWN
- CONCRETE COVER FOR REINFORCEMENT (CAST-IN-PLACE): mm 4.4. TOP SURFACES OF JETTY STRUCTURES ALL OTHER CONCRETE FACES, U.N.O.

5. STRUCTURAL STEEL AND STEEL FABRICATIONS:

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

GRADES OF MATERIAL, UNLESS NOTED OTHERWISE: STRUCTURAL STEEL AND MISC. METAL 350W BOLTS, NUTS AND WASHERS ASTM A 350W ASTM A325M ASTM A307 ANCHOR BOLTS 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. 6.2.
- DIMENSIONS TO AND OF EXISTING TIMBER ARE BASED ON REFERENCE DRAWINGS AND REQUIRE SITE CONFIRMATION BY THE 6.3. CONTRACTOR.
- 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 (22 GAUGE) ANNEALED CORROSION RESISTANT ALUMINUM CUT 150mm WIDER THAN THE DIAMETER OF THE PILE TOP. THE OVERTANGING EDGES SHALL BE CRIMPED AND TURNED DOWN AND NAILED WITH 8 ALUMINUM ROOFING NAILS. 6.6.
- 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 6.8. HOLES AND UNUSED BOLT HOLES IN EXISTING FILES SHALL BE PLUGGED 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 INSTALLATION
- 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. 6.9.
- 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. FOR ROUND PLATE WASHERS, WASHER DIAMETER BY THICKNESS SHALL BE 70X6 FOR 16 DIAMETER: SSA FOR 19 DIAMETER: AND 100X10 FOR 25 DIAMETER: BOLTS. POLYURETHANE MASTIC SHALL BE PLACED UNDER ALL WASHERS 6.10. WASHERS

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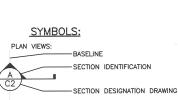
6.11. LAG BOLTS SHALL CONFORM TO CSA STANDARD B34

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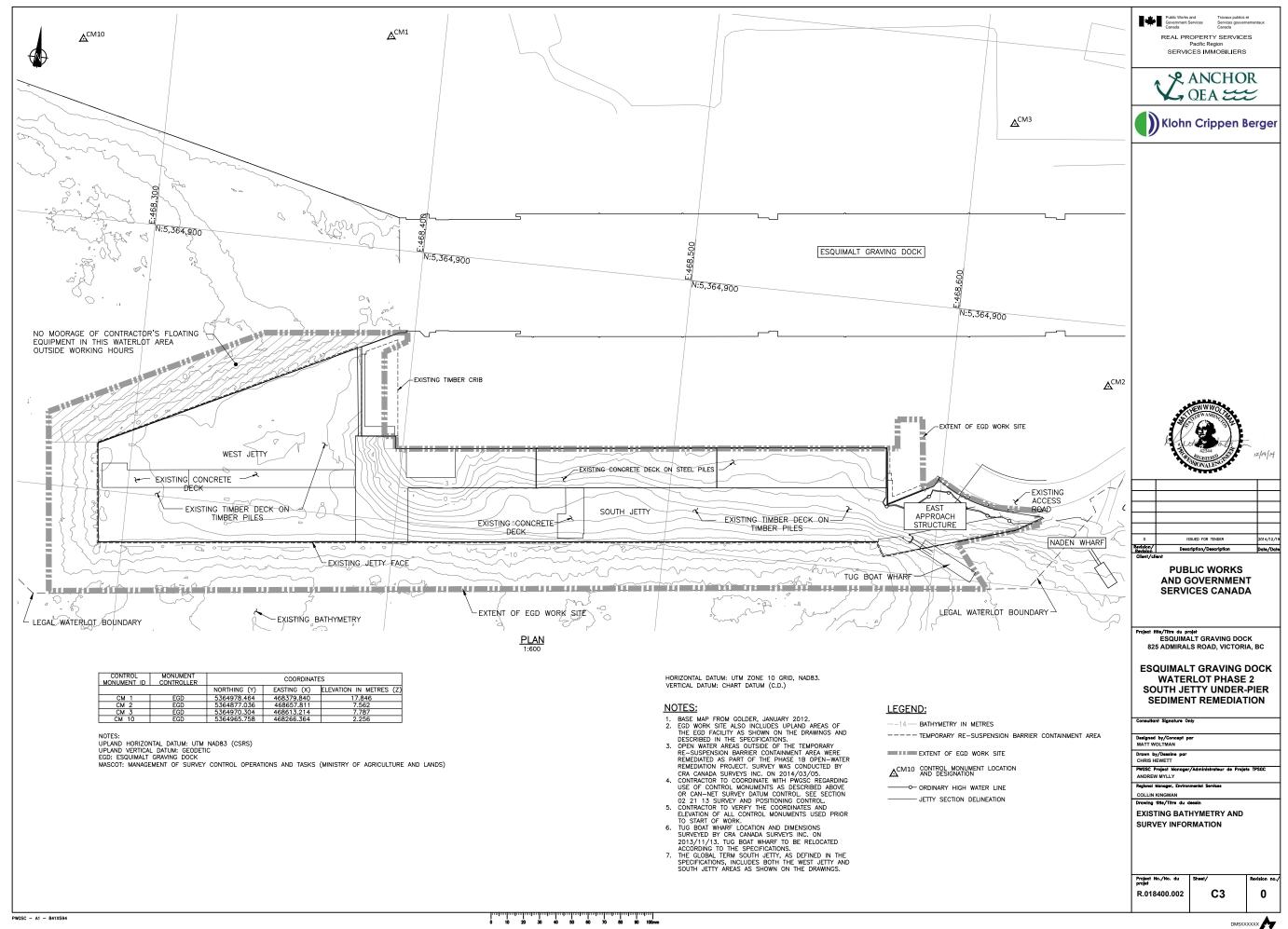
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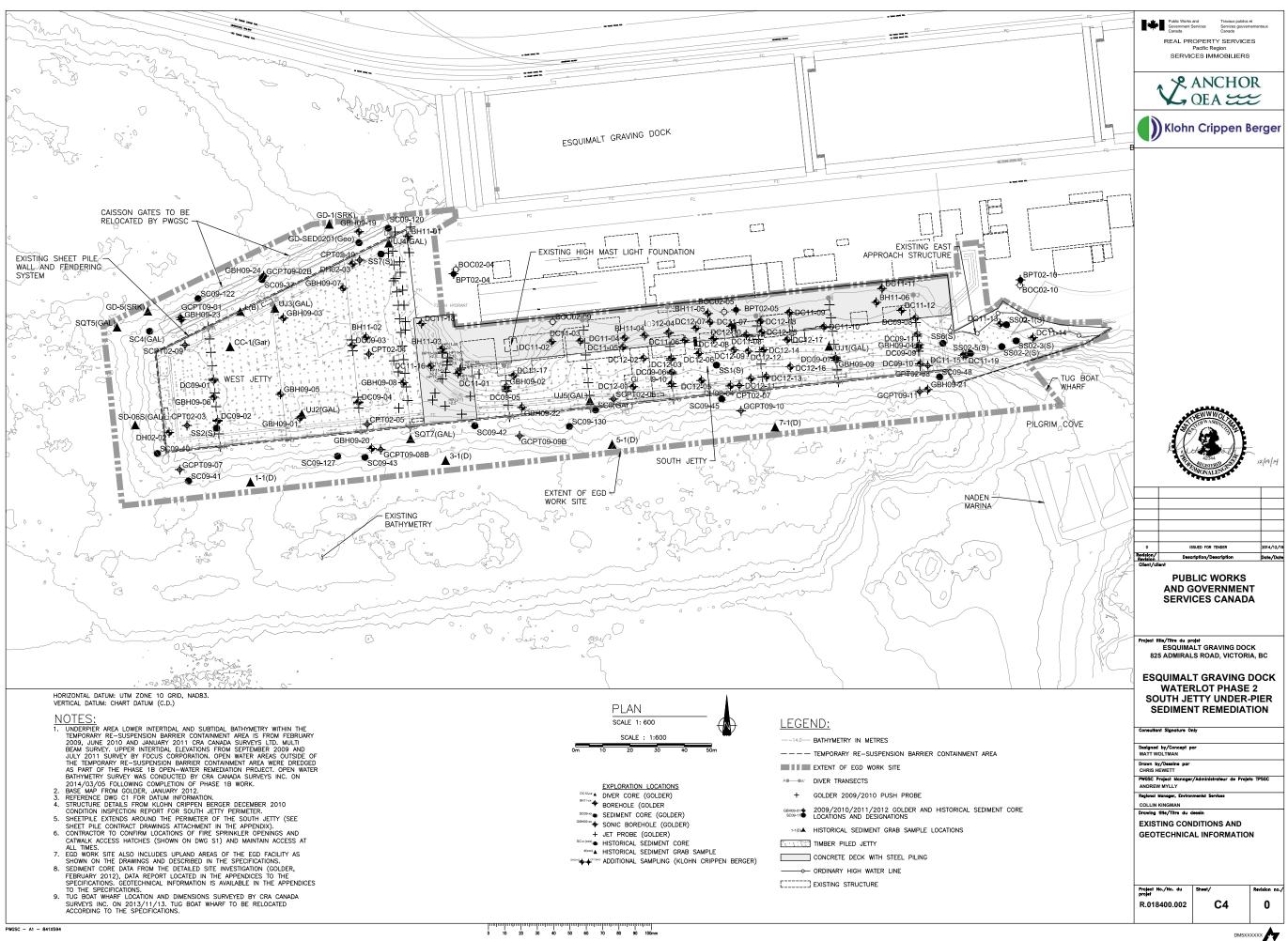


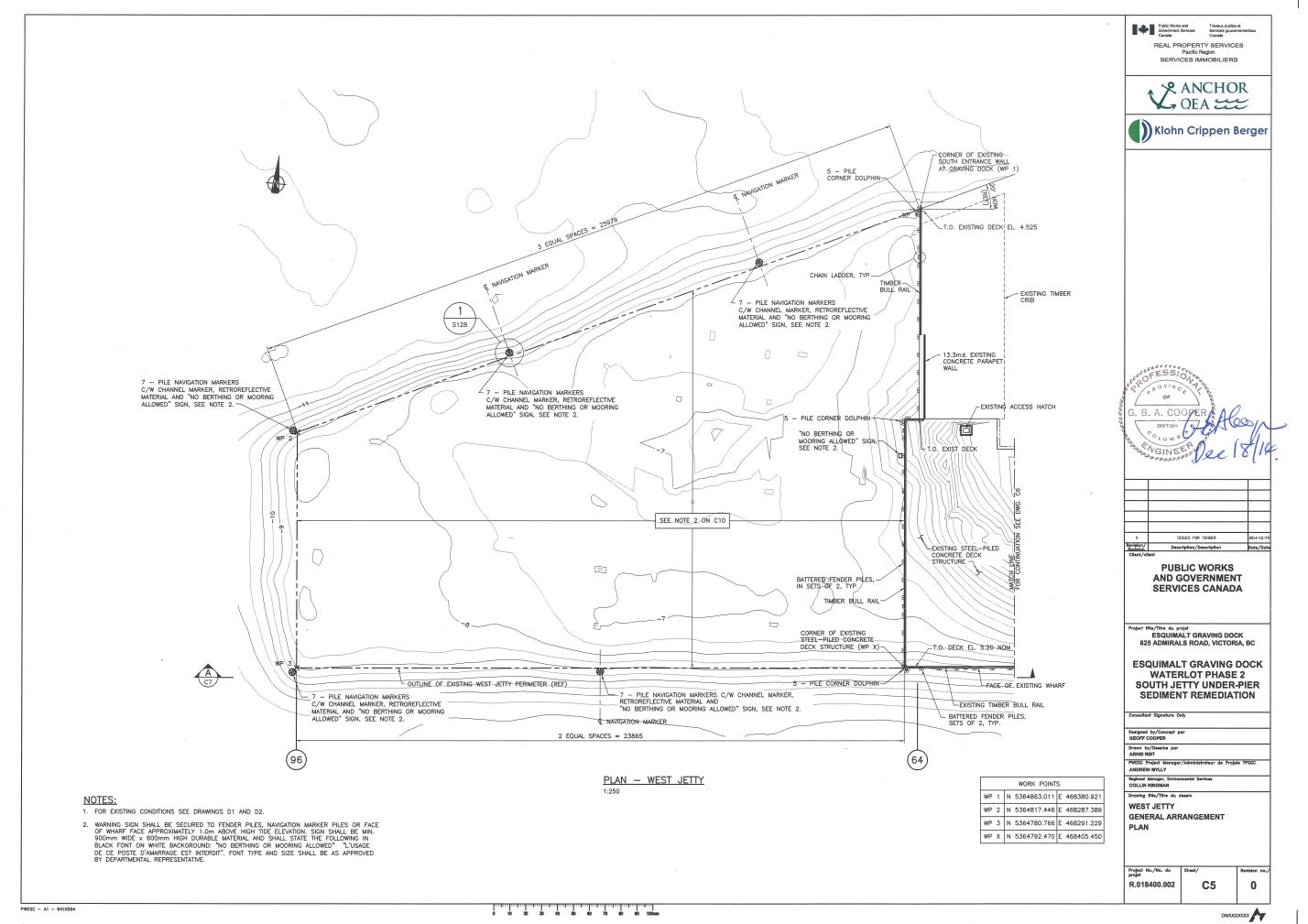
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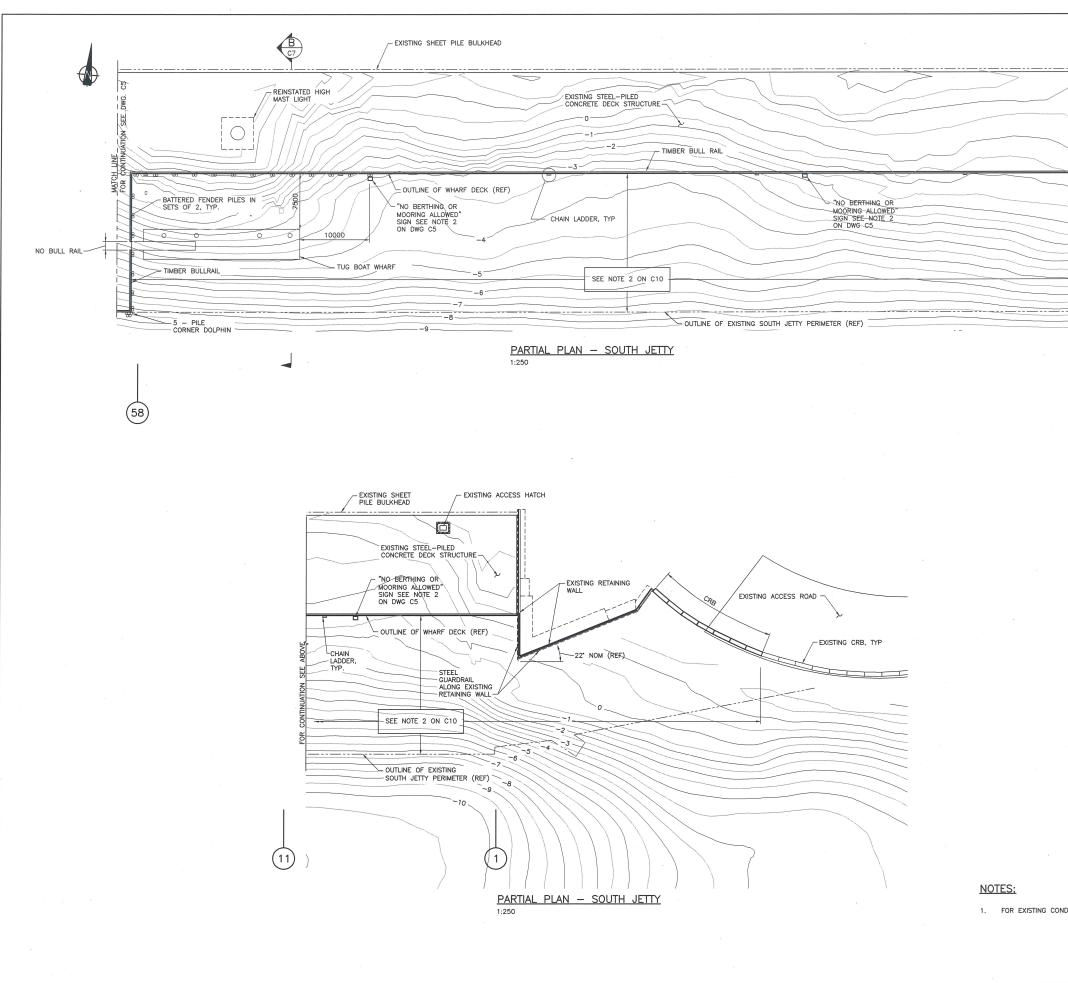
NORTHING AND EASTING COORDINATE (UTM ZONE 10 GRID, NAD 83)

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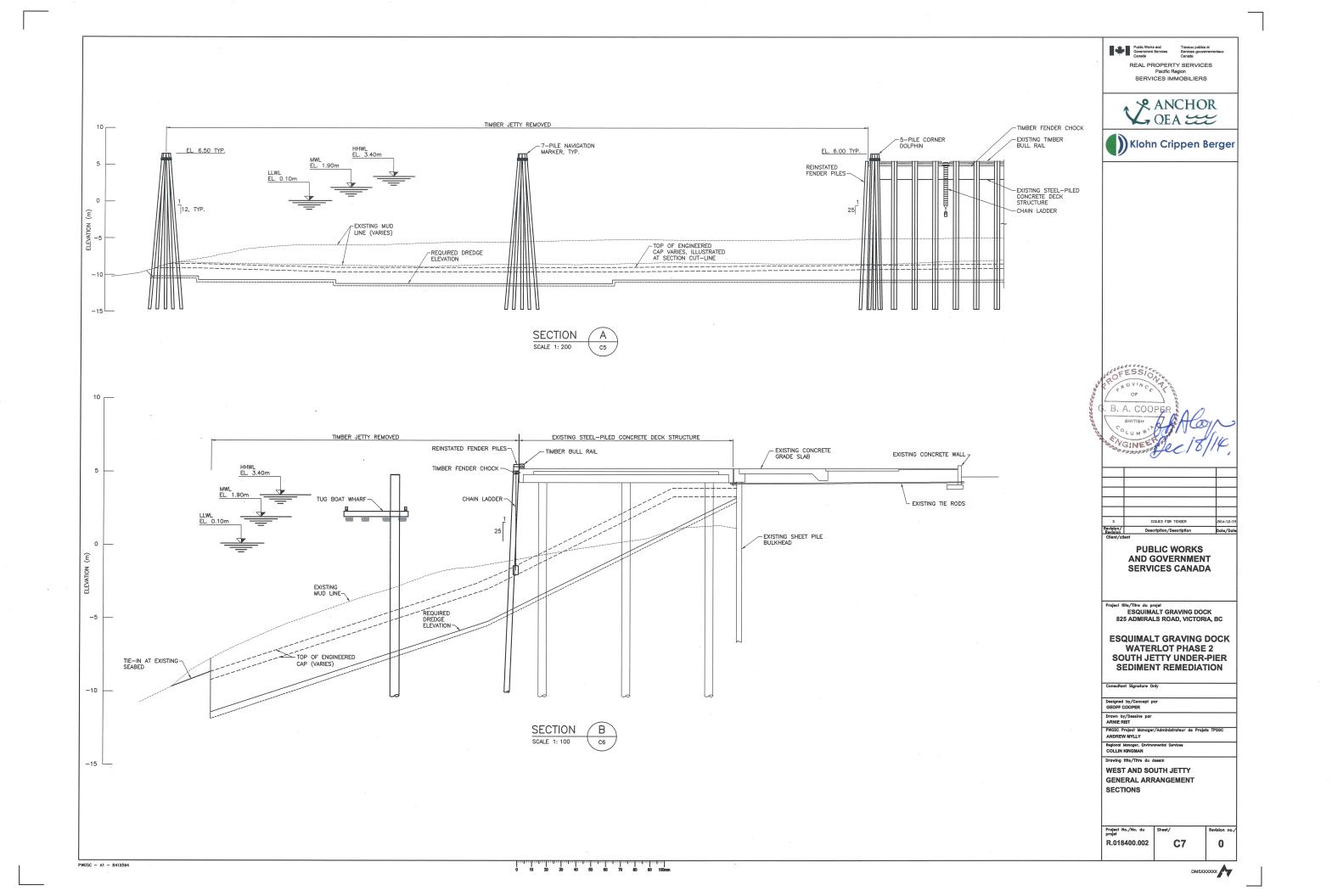


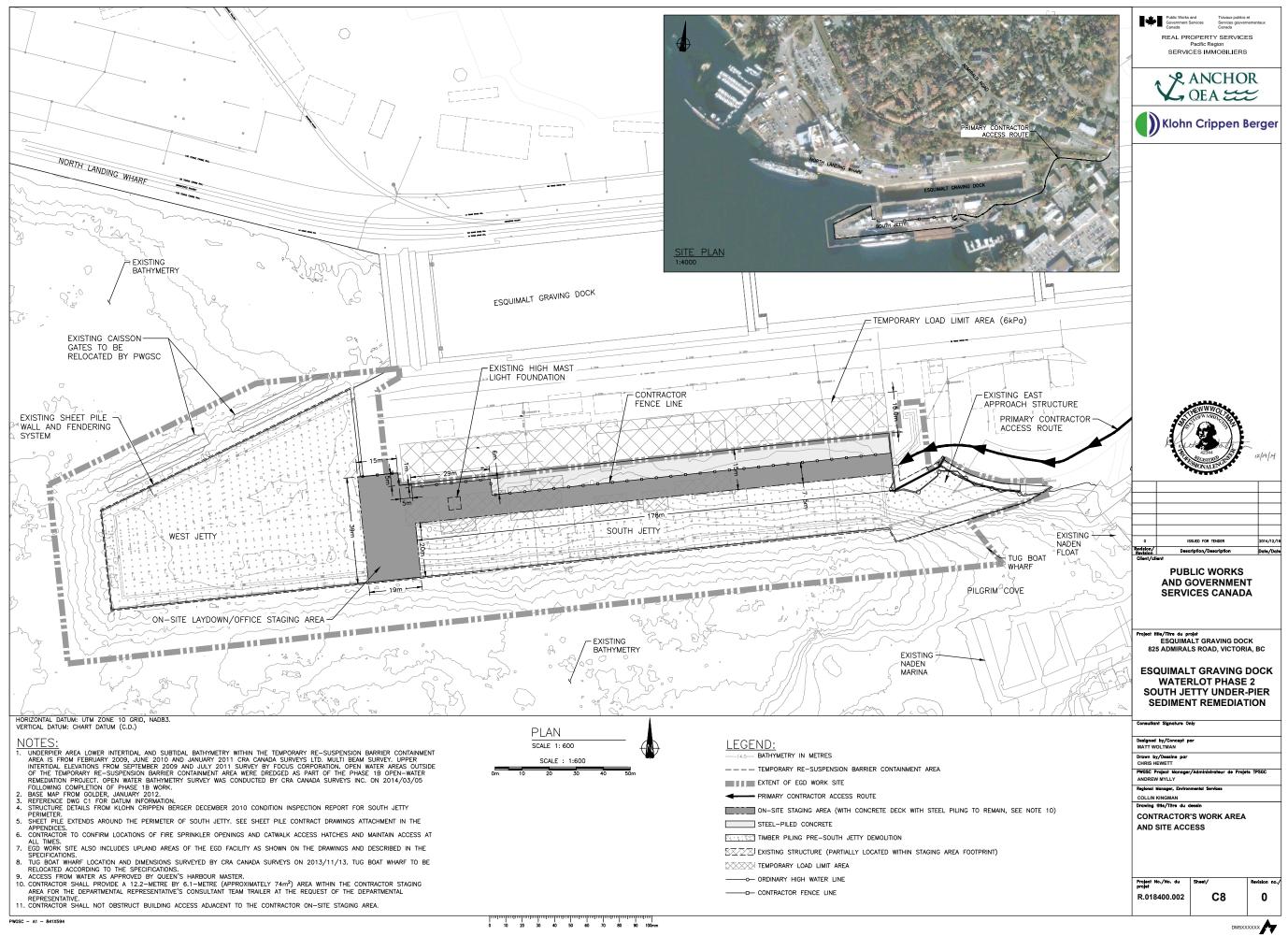
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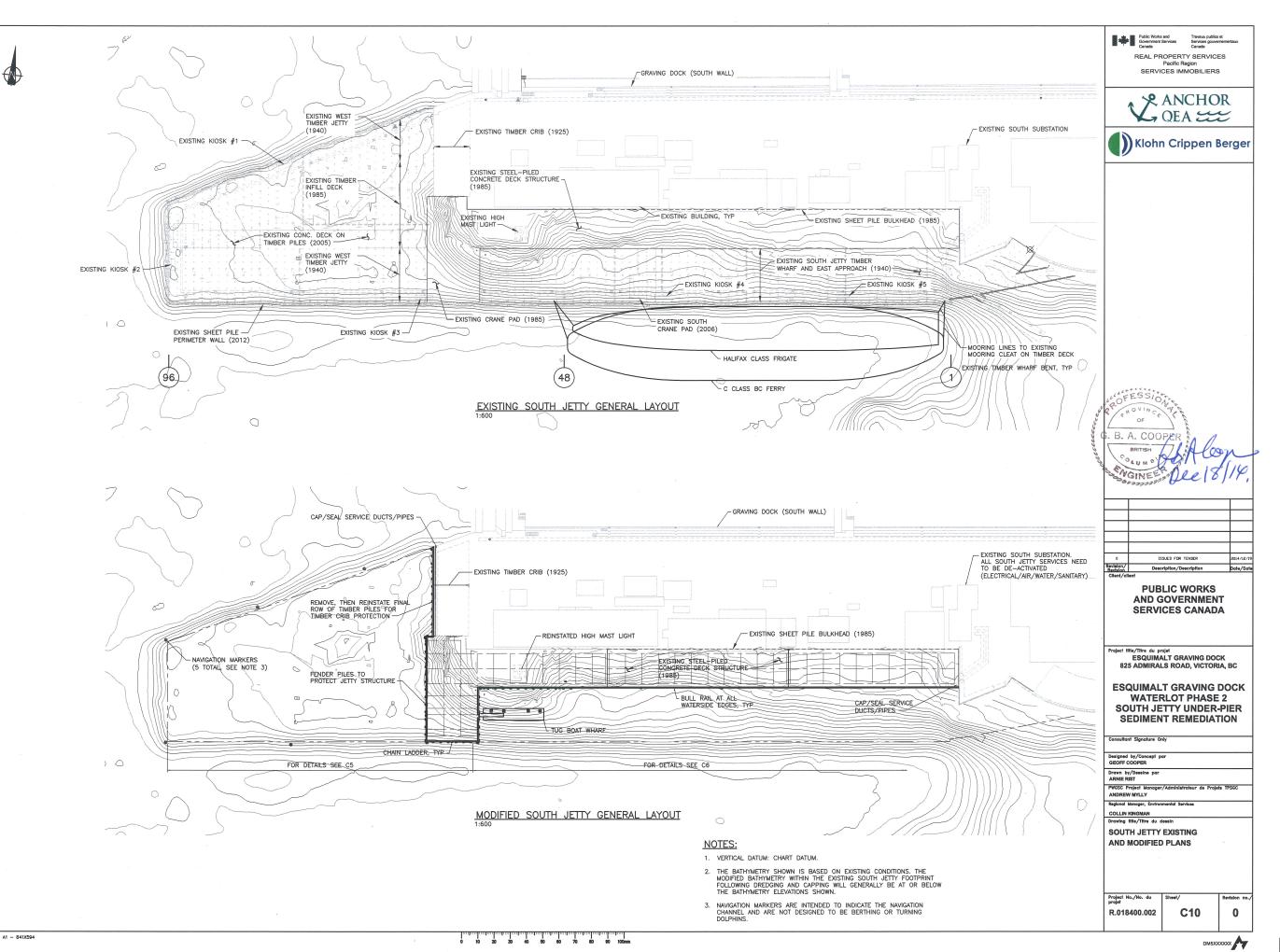




PHOTO C14-01 SOUTH JETTY SHEET PILE WALL - NOTE SMALL BOAT ACCESS OPENING



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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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

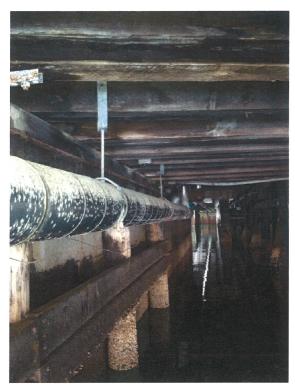


PHOTO C15-03 TIMBER PILED JETTY AT TIMBER CRIB LOOKING SOUTH - NOTE FENDERING AT FACE OF TIMBER CRIB



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





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

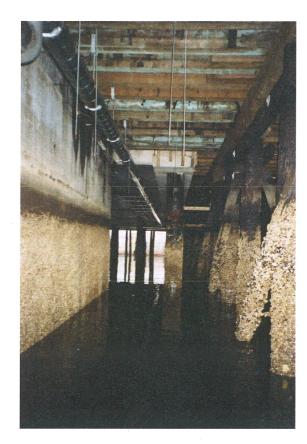


PHOTO C16-06 CONCRETE-FACED TIMBER CRIB NEXT TO TIMBER JETTY PILINGS



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



PHOTO C16-03 UNDER-PIER CATWALK - TYPICAL CABLE TRAY

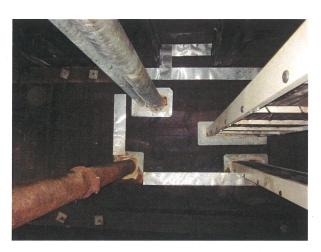


PHOTO C16-04 UNDER-PIER MECHANICAL AND ELECTRCIAL SERVICES AT TIMBER FIRE STOP WALL



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



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

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



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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



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



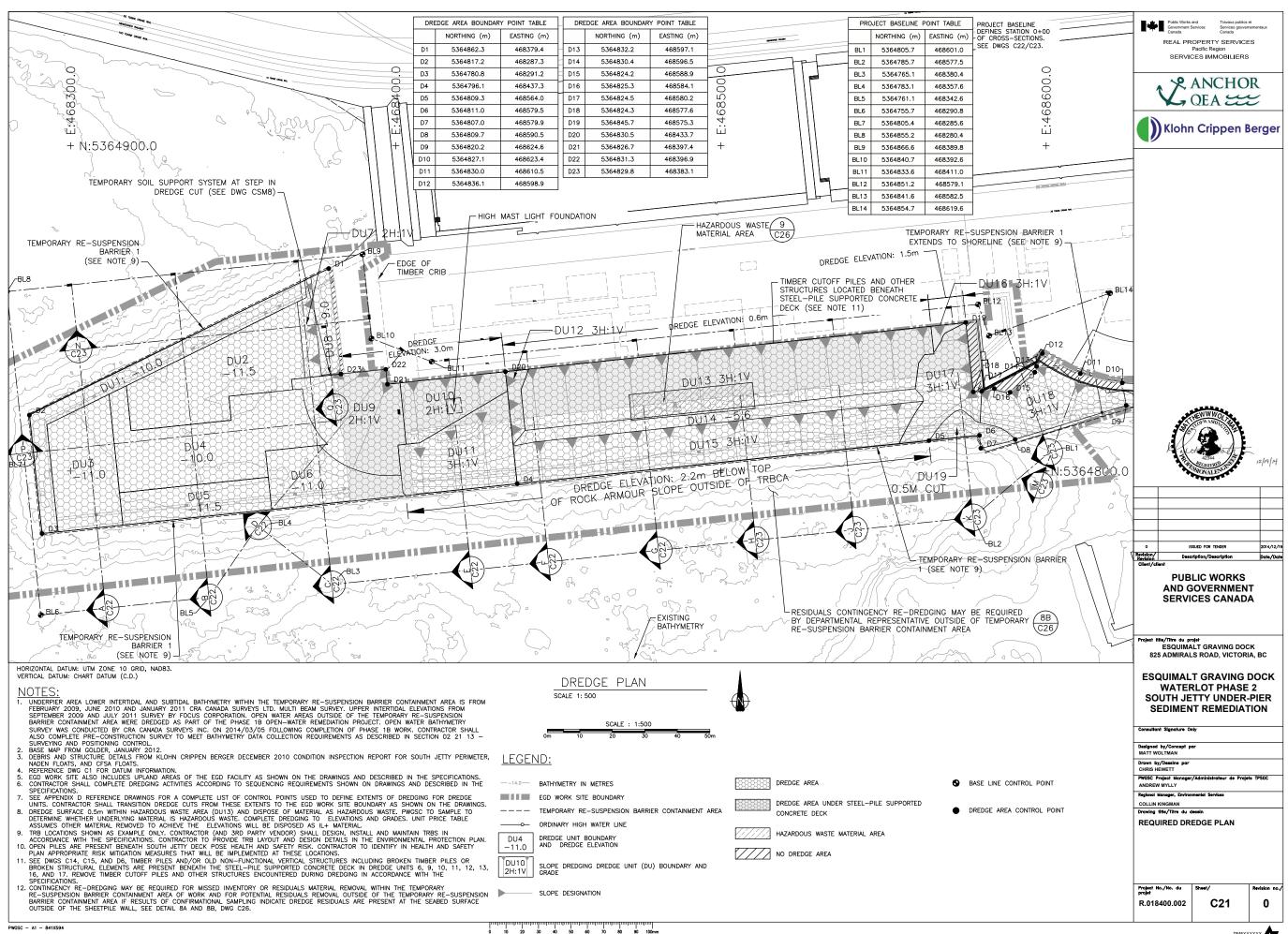
PHOTO C17-08 FORESHORE FILL MOUND UNDER STEEL PILED CONCRETE DECK – NOTE STEEL WALER AT RIGHT AND SEVERELY LIMITED HEADROOM



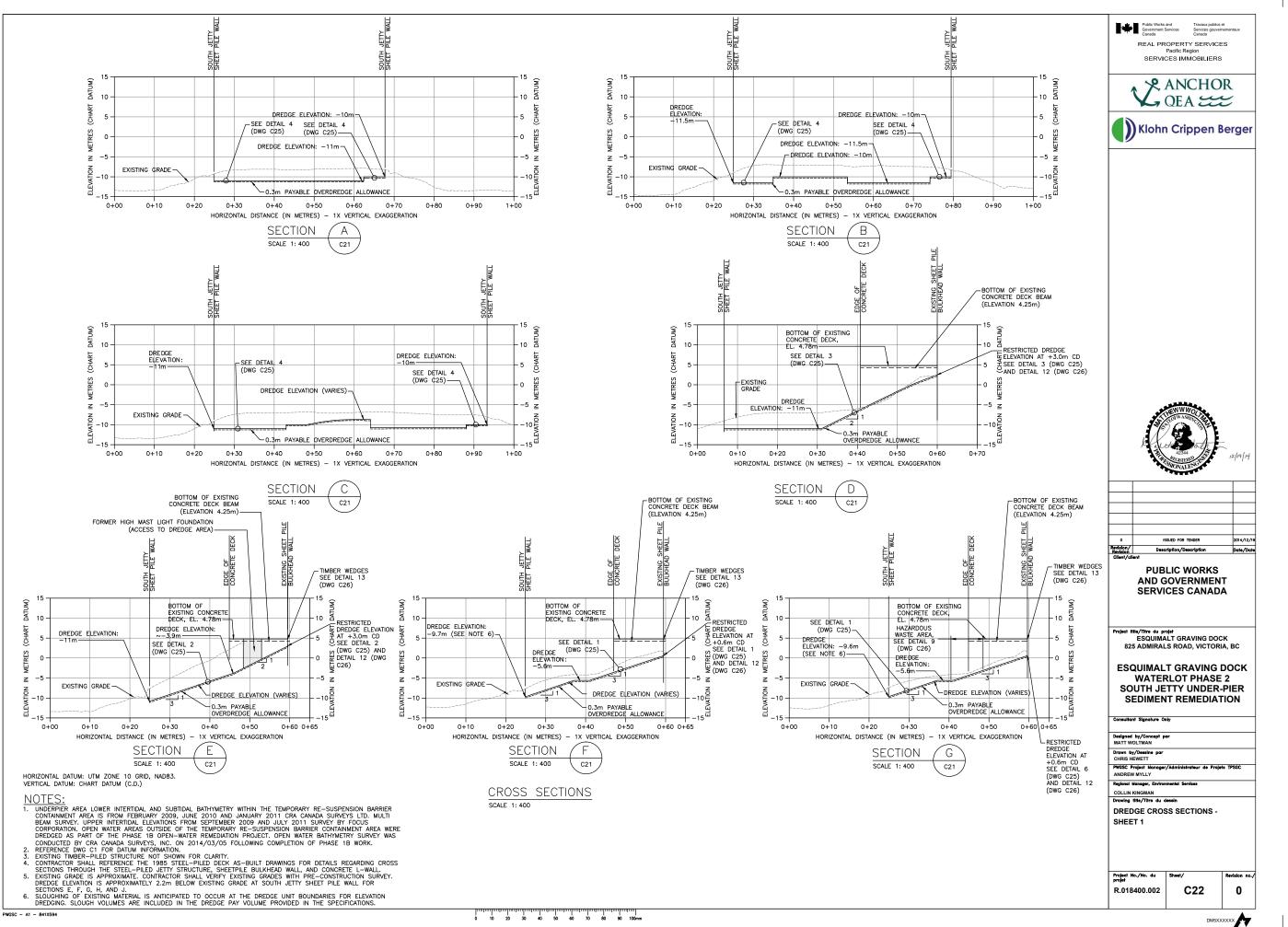
PHOTO C17-09 DETAIL VIEW OF STEEL WALER AND ANCHOR AT PAINTED SHEET PILED BULKHEAD WALL

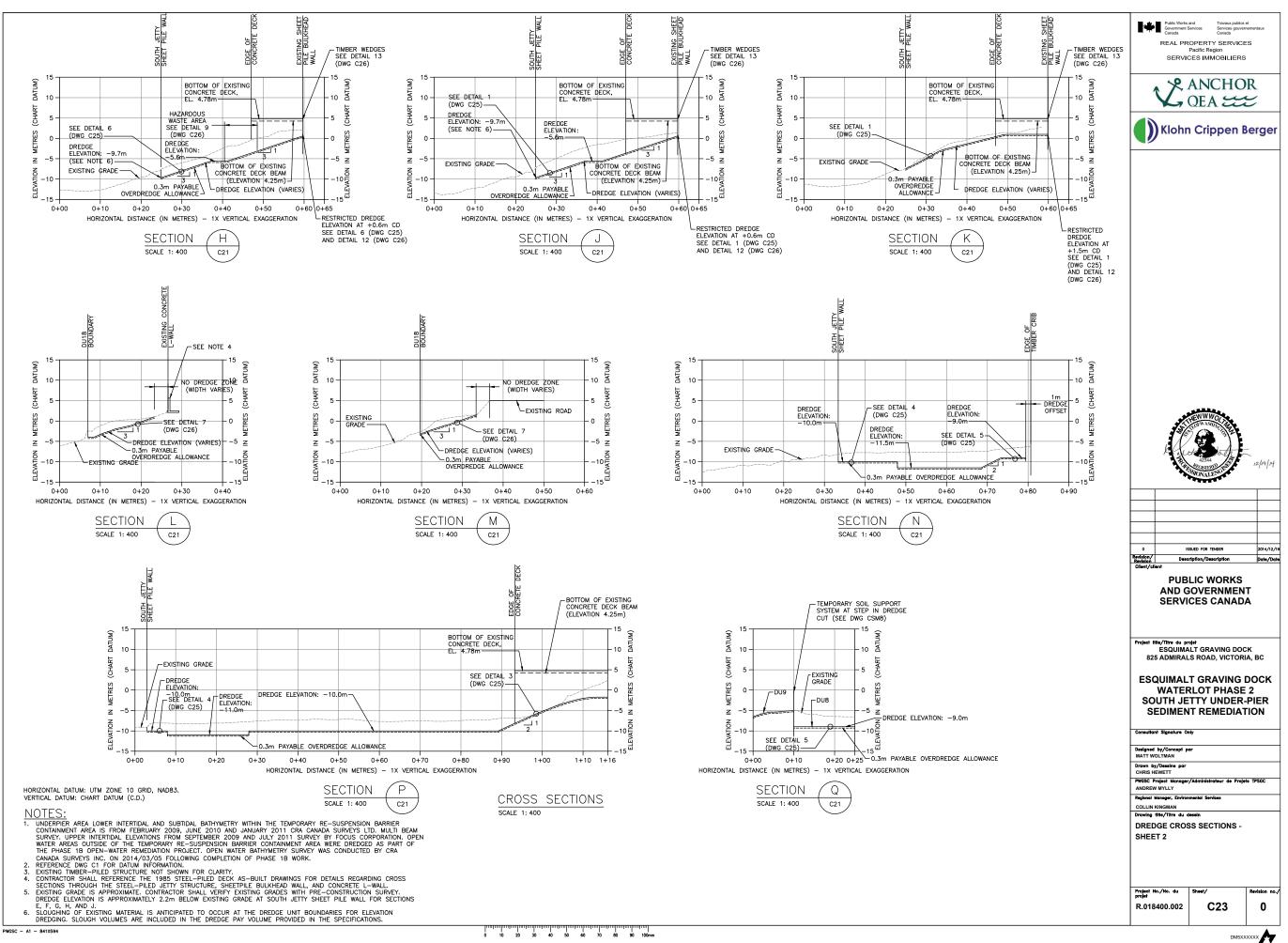
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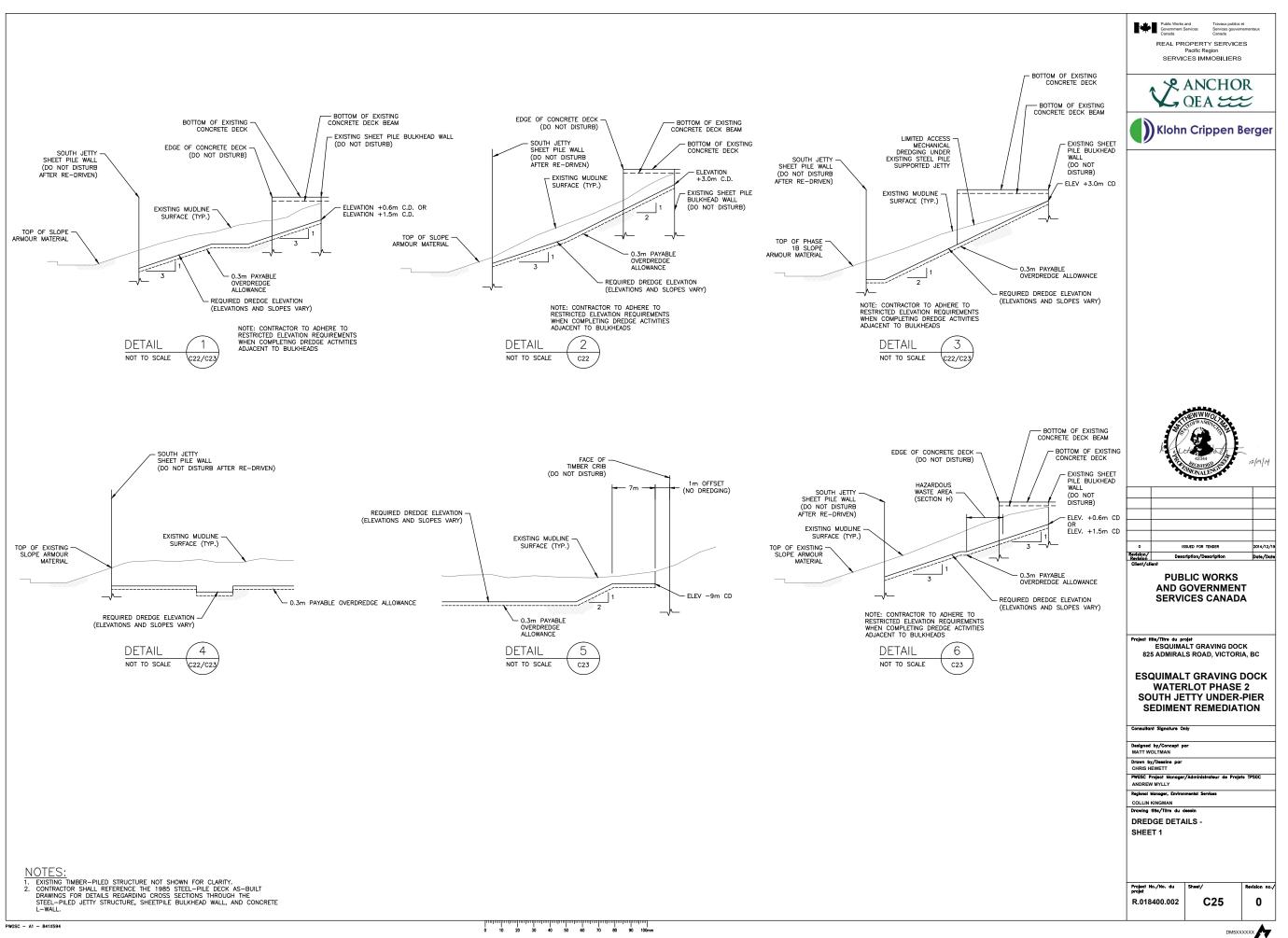
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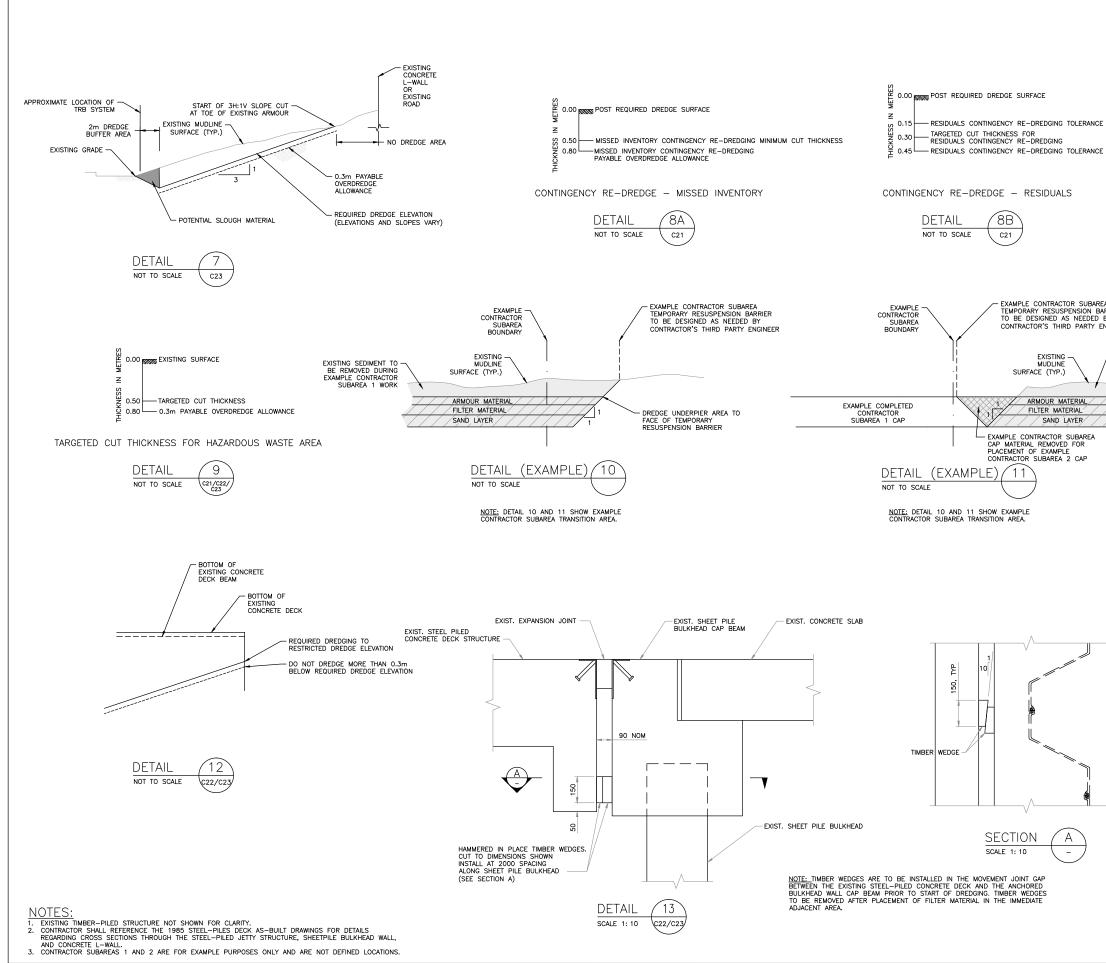


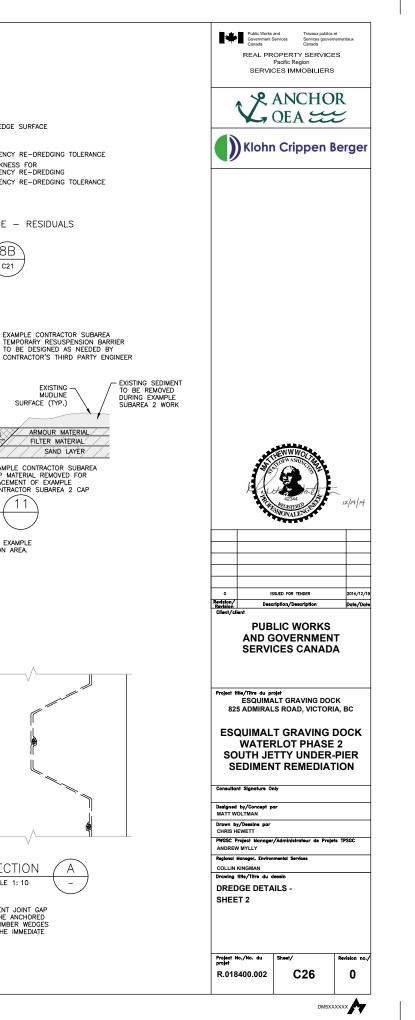


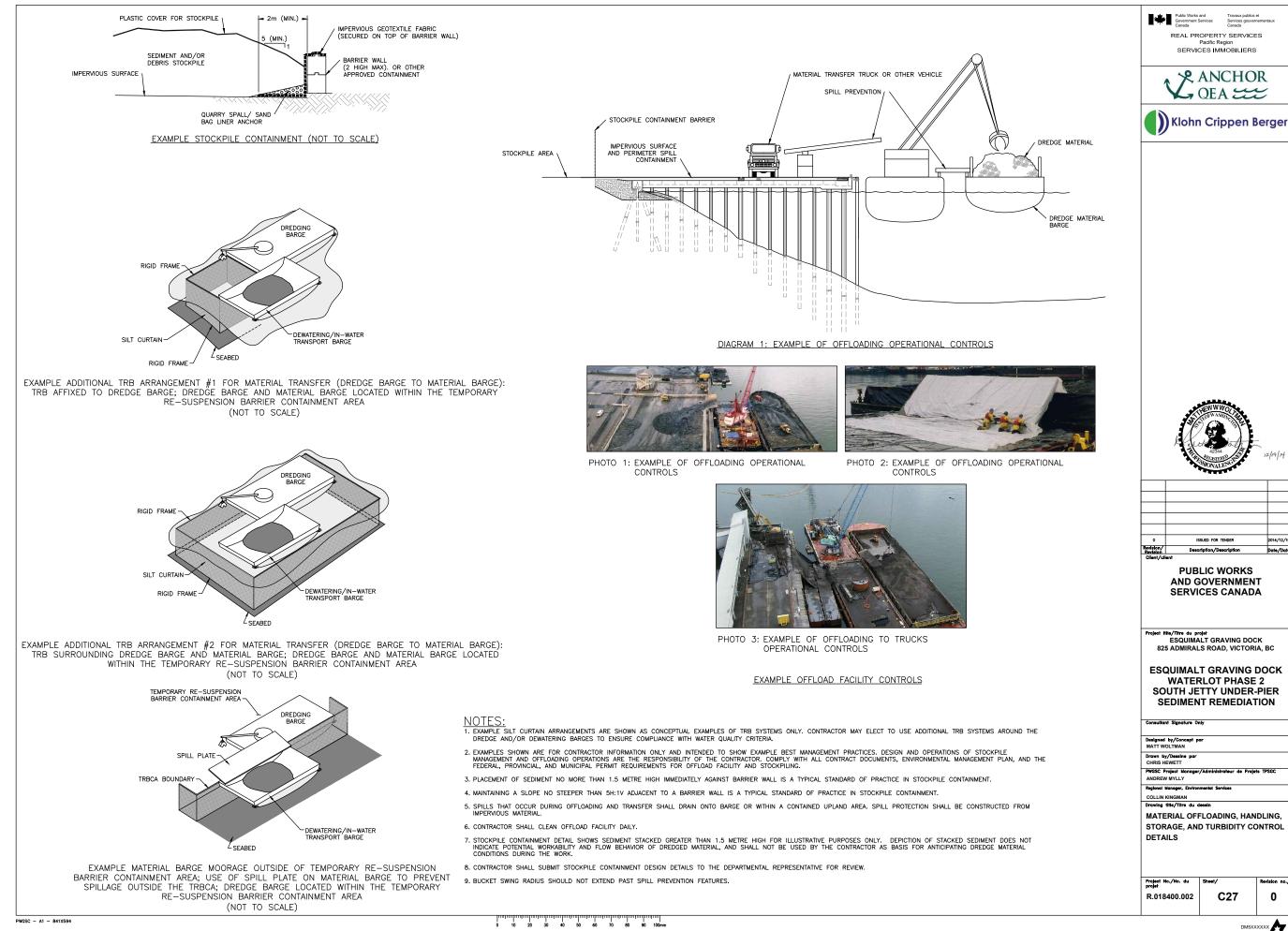






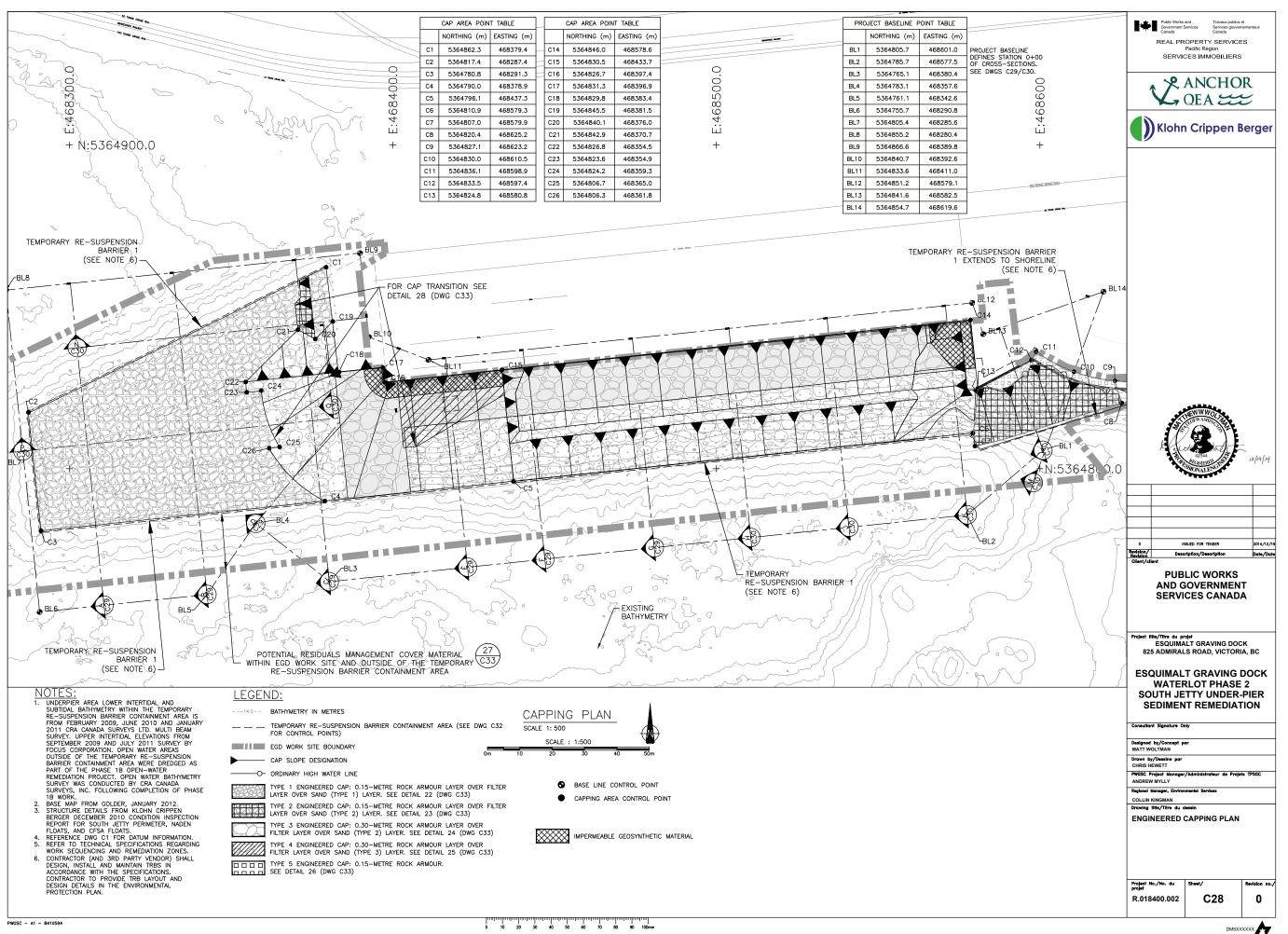


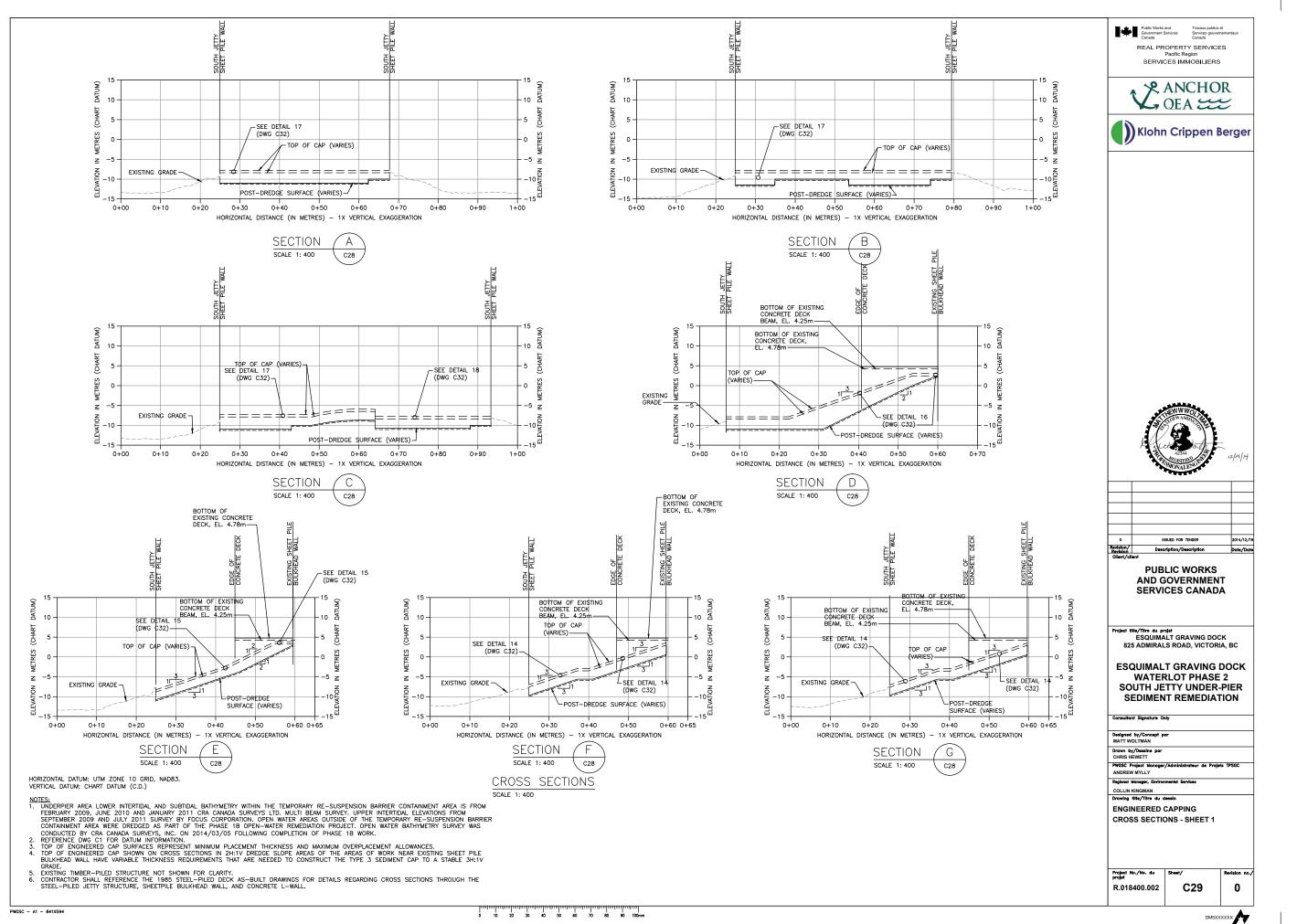


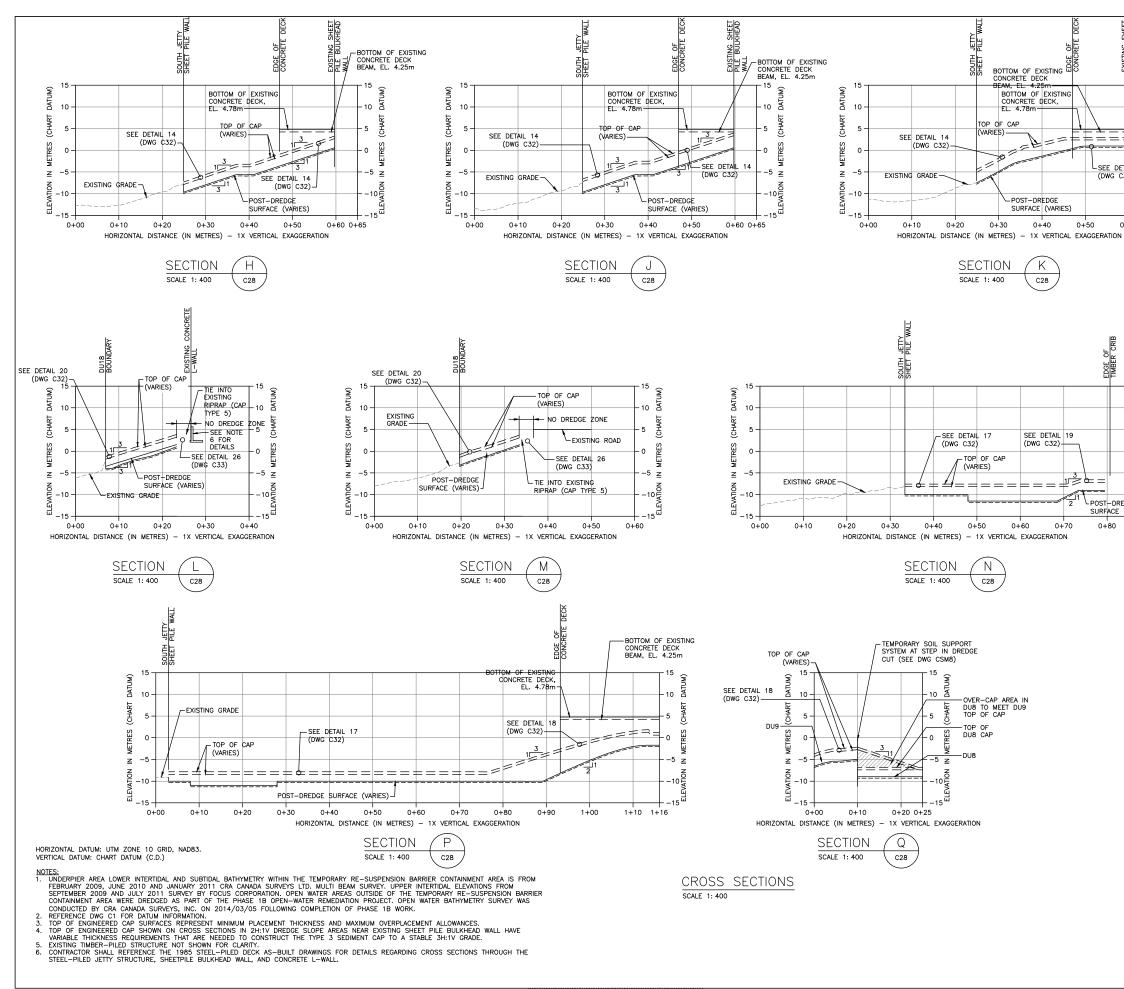


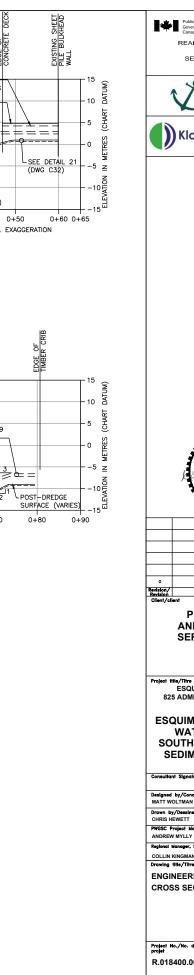
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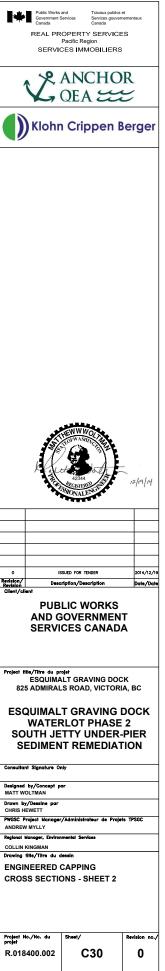
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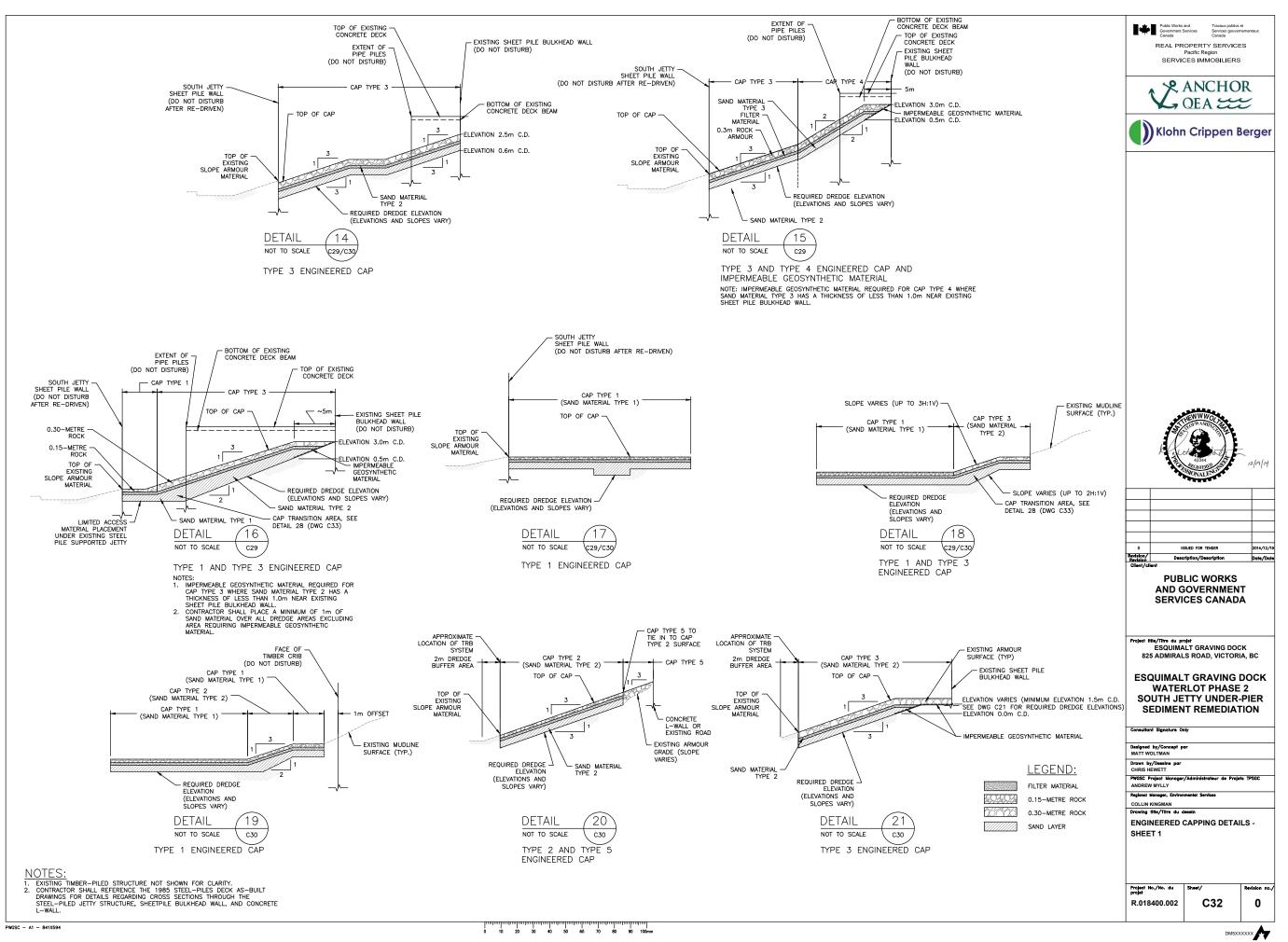


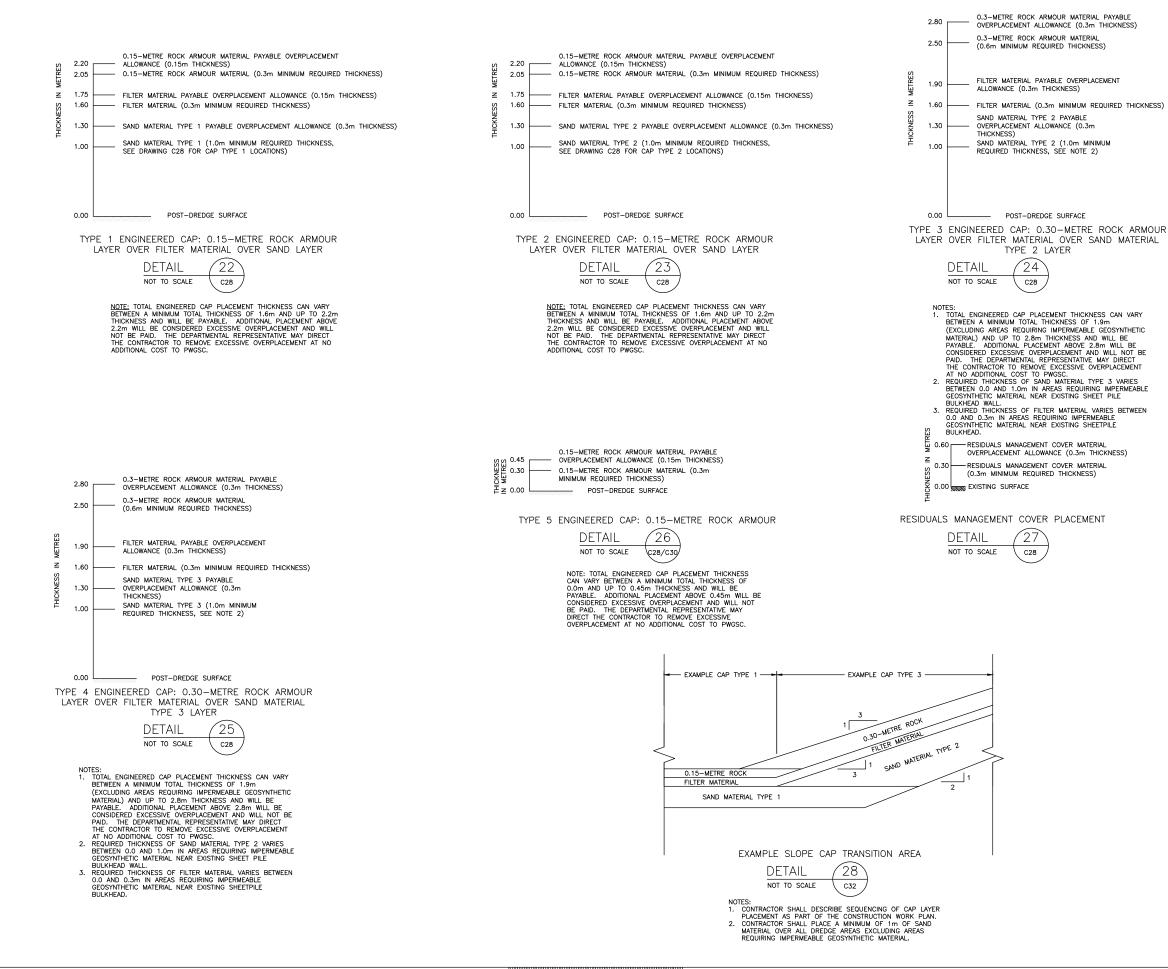


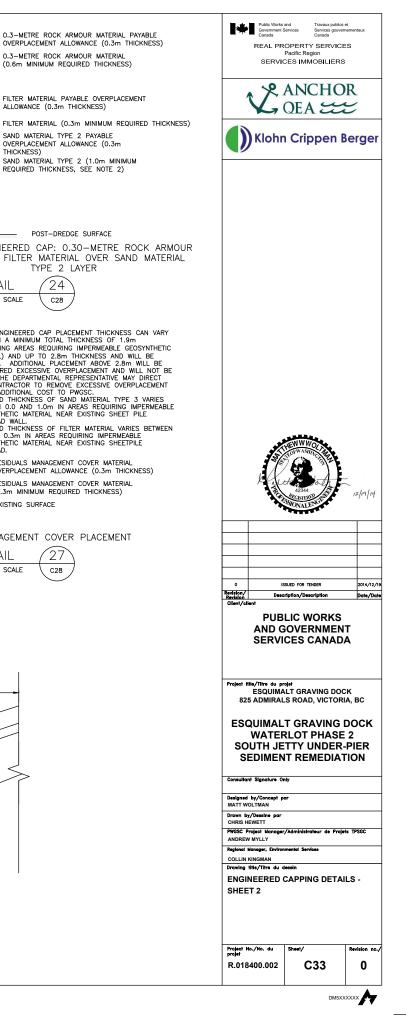


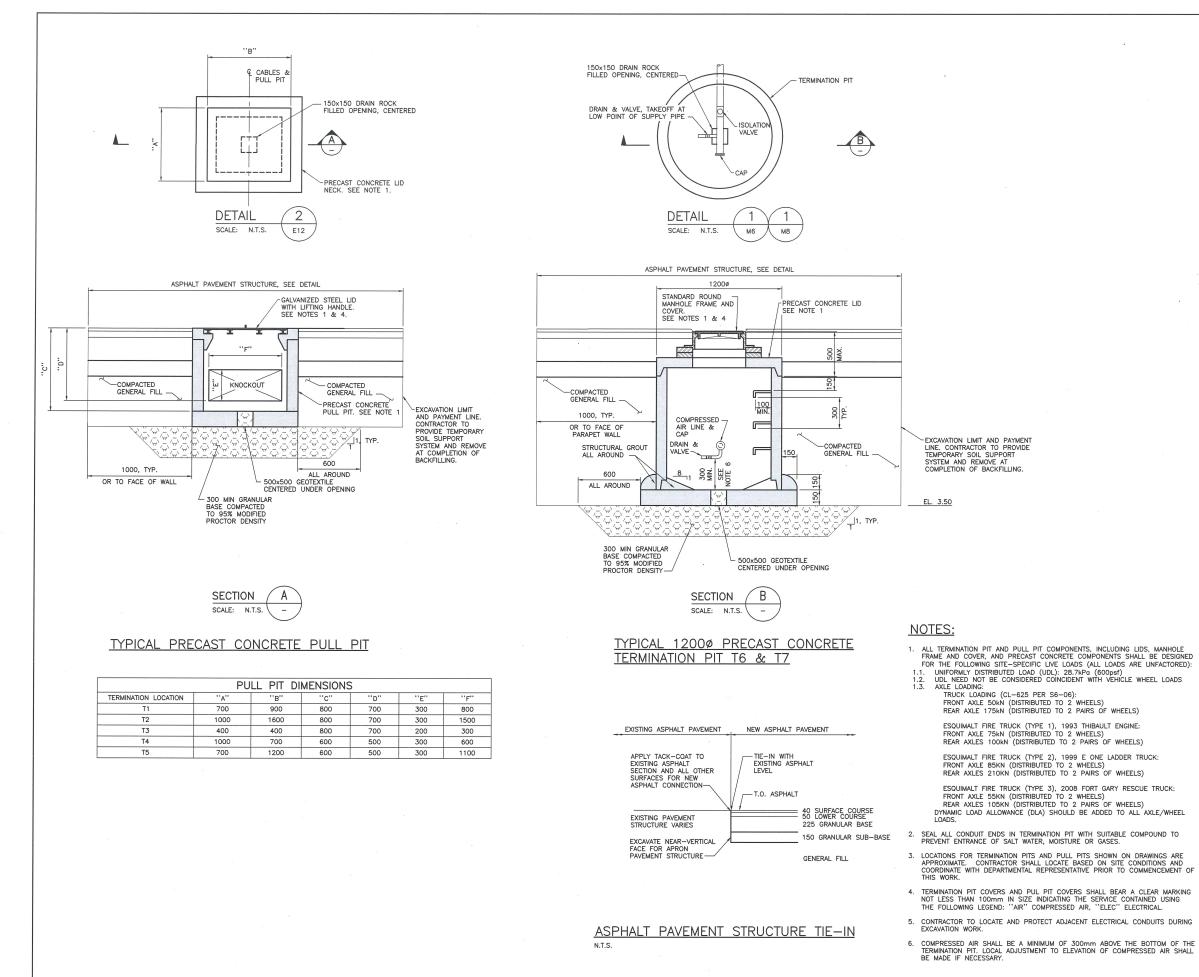












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PWGSC - A1 - 841X594

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

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

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES

Pacific Region SERVICES IMMOBILIERS

Région de Pacifique

Klohn Crippen Berger

# 2001A

Dong

ROVINCE

K. L. GREINACHEF

C BRITISH

ISSUED FOR TENDER

**PUBLIC WORKS** 

AND GOVERNMENT SERVICES CANADA

Description/De

Dec. 18/14

2014/12/

K. GINEER

# 39177

Public Works and Government Services

Consultant Signature Onl

Designed by/Concept DHILEEP ABEYGODA Drawn by/Dessine par MIKE BRIDDEN WGSC Project Manage NDREW MYLLY

> Project No./No. du R.018400.002

Regional Manager, E COLLIN KINGMAN rawing title/Titre du dessin

**SERVICES - TERMINATION PITS** 

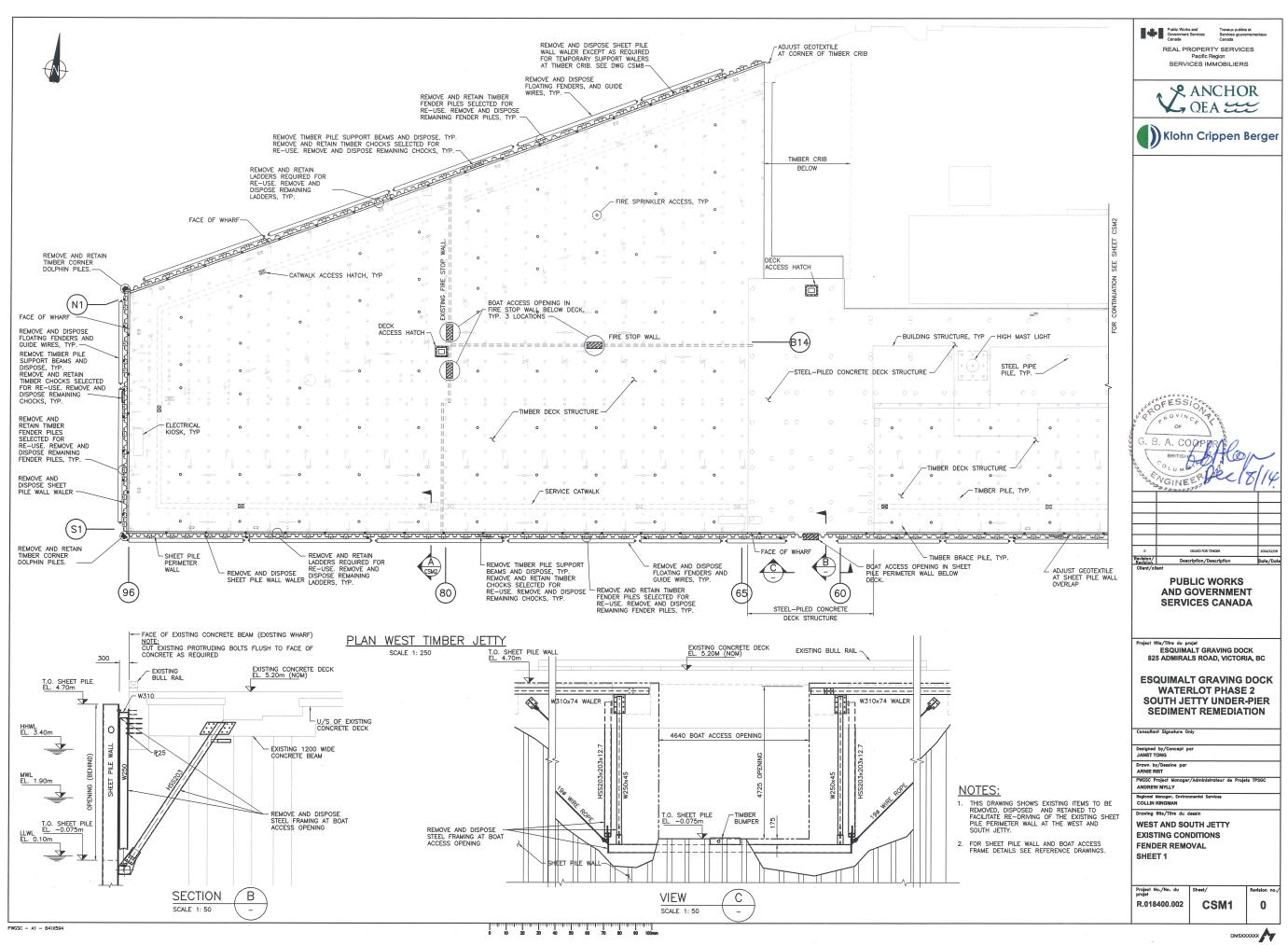
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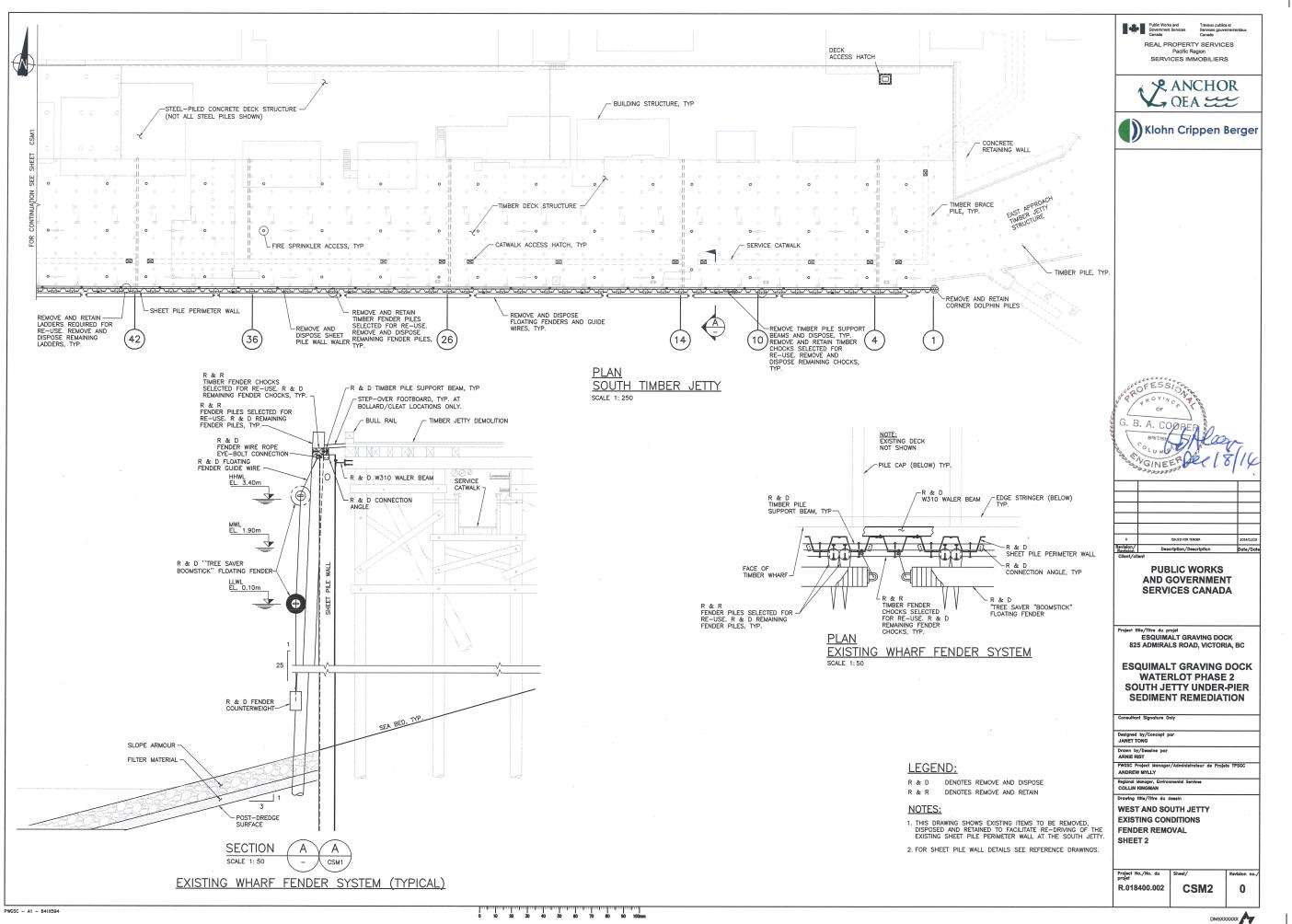
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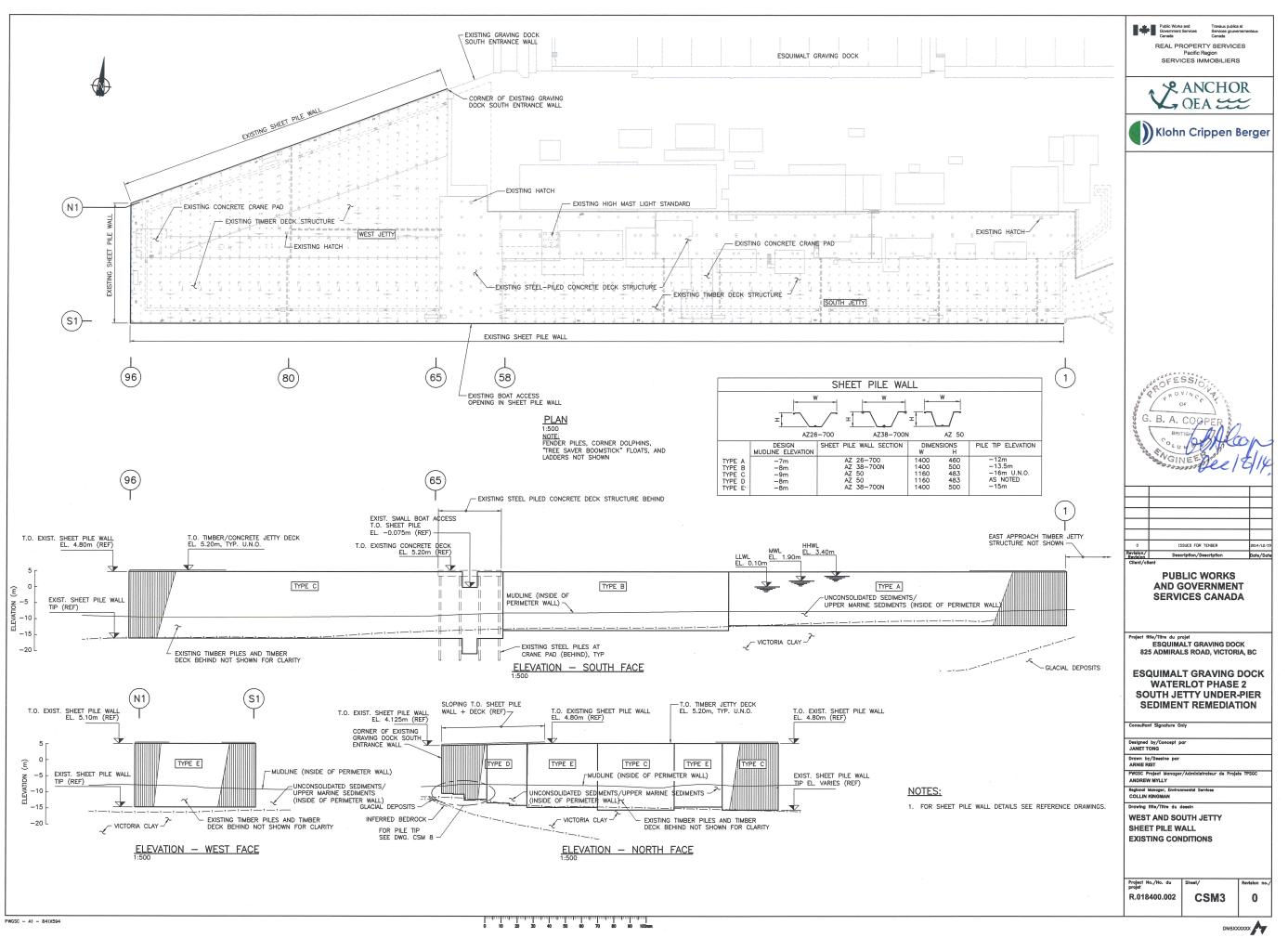
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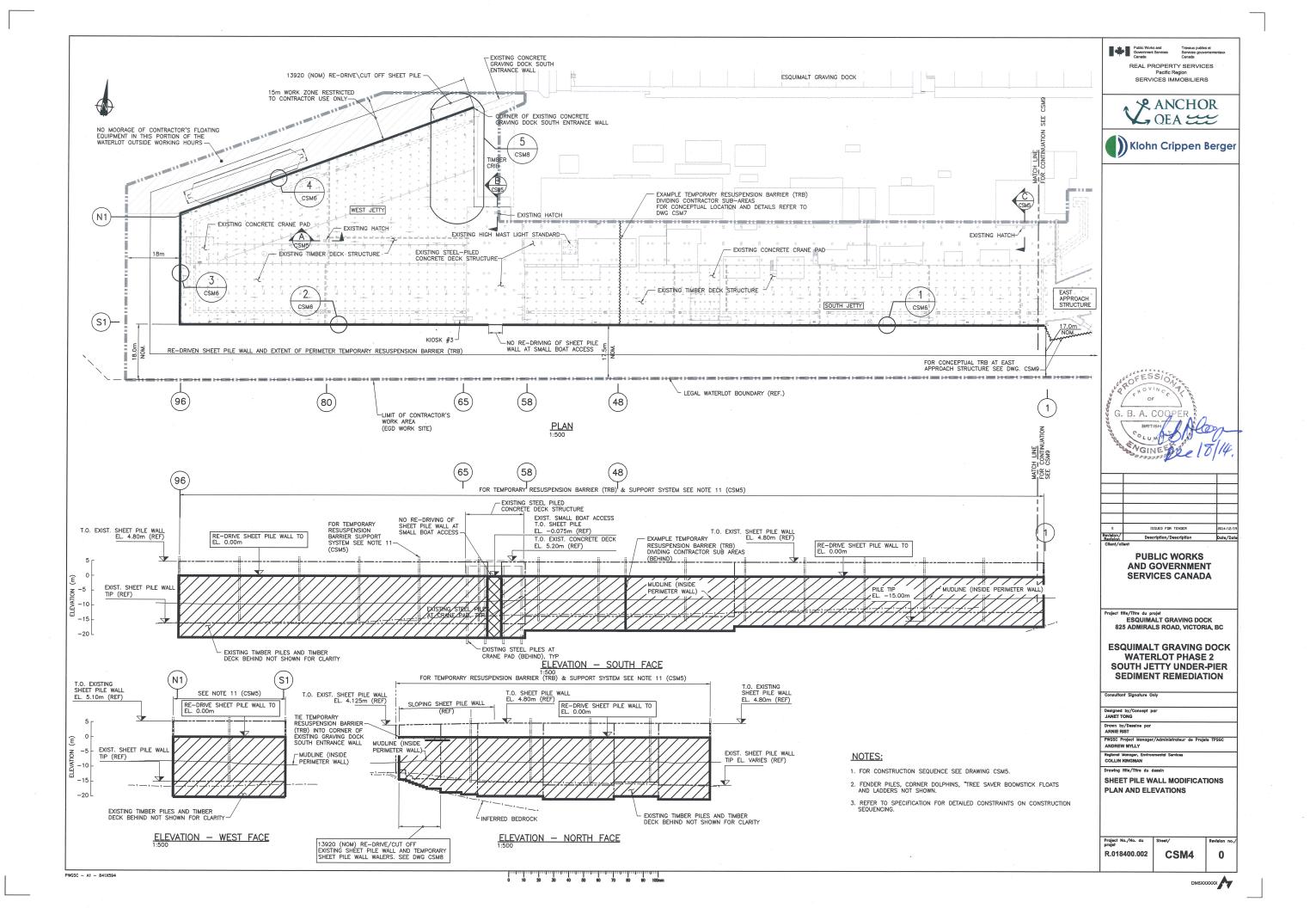
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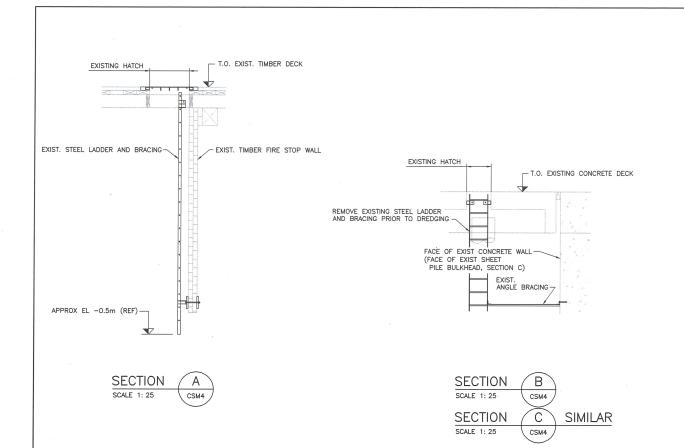
eur de Projets TPSC











# INDICATIVE CONSTRUCTION SEQUENCE (SEE DWG CSM4):

- 1. 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.
- 15. 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.

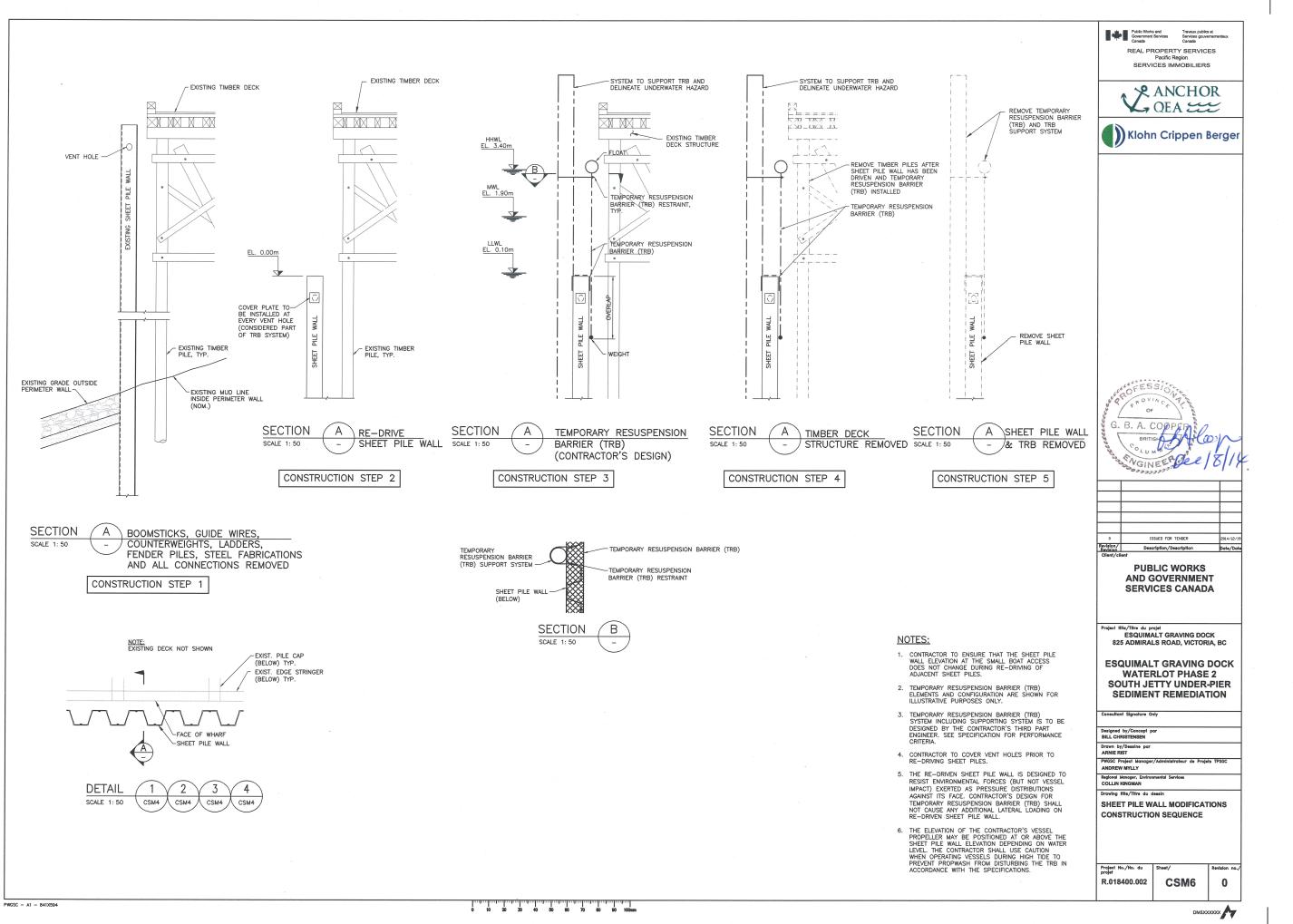
## NOTE:

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



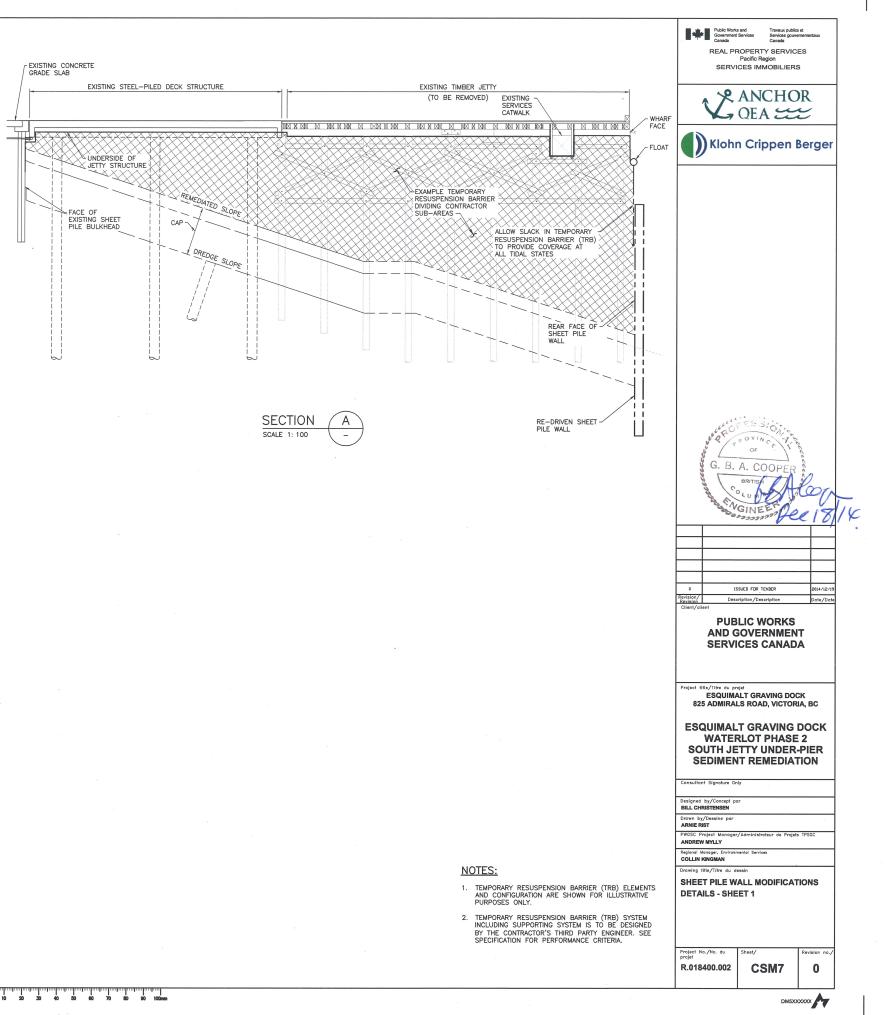
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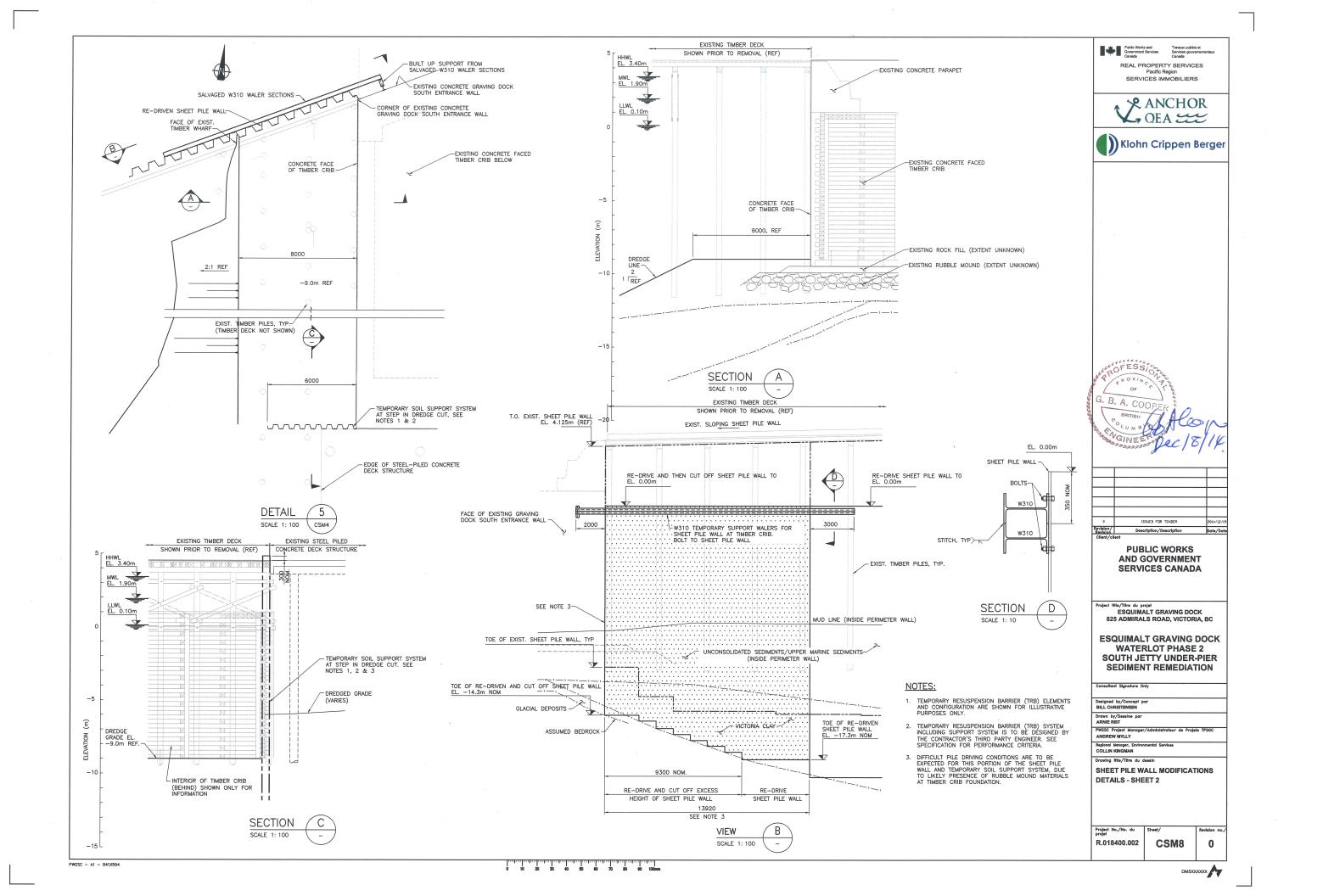


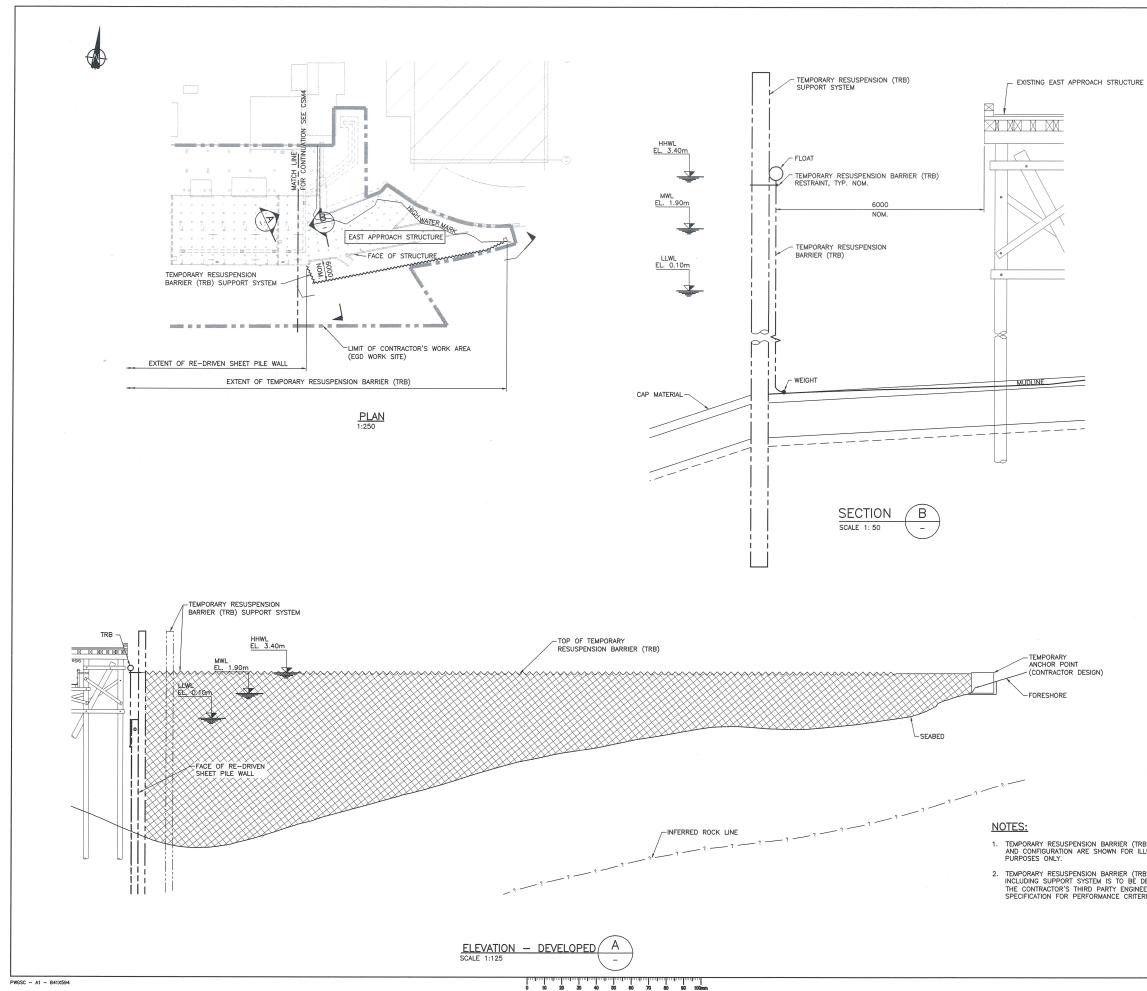
EXIST. STEEL-PILED CONCRETE 8 (M)  $\bigcirc$ -EXISTING SHEET PILE BULKHEAD -EXISTING STEEL-PILED CONCRETE DECK STRUCTURE -EXISTING MANHOLE EXISTING HIGH MAST LIGHT EXISTING MOORING BOLLARD 3000 EXAMPLE TEMPORARY EXISTING DECK JOINT/ RÉSUSPENSION BARRIER (TRB) DIVIDING CONTRACTOR SUB-AREAS EXISTING TIMBER DECK STRUCTURE -EXISTING TIMBER PILE, TYP - - 6 --TEMPORARY RESUSPENSION -SHEET PILE WALL (BELOW) PLAN 1:100 BARRIER (TRB)

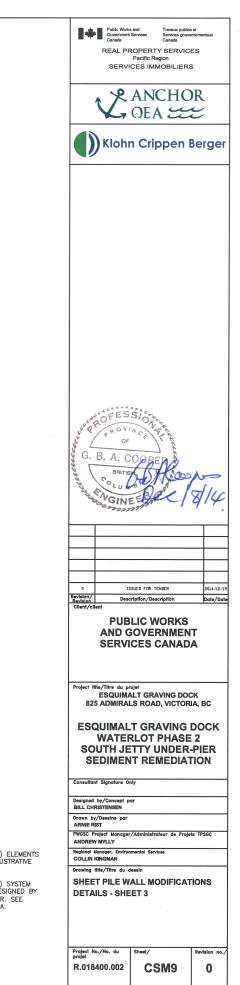




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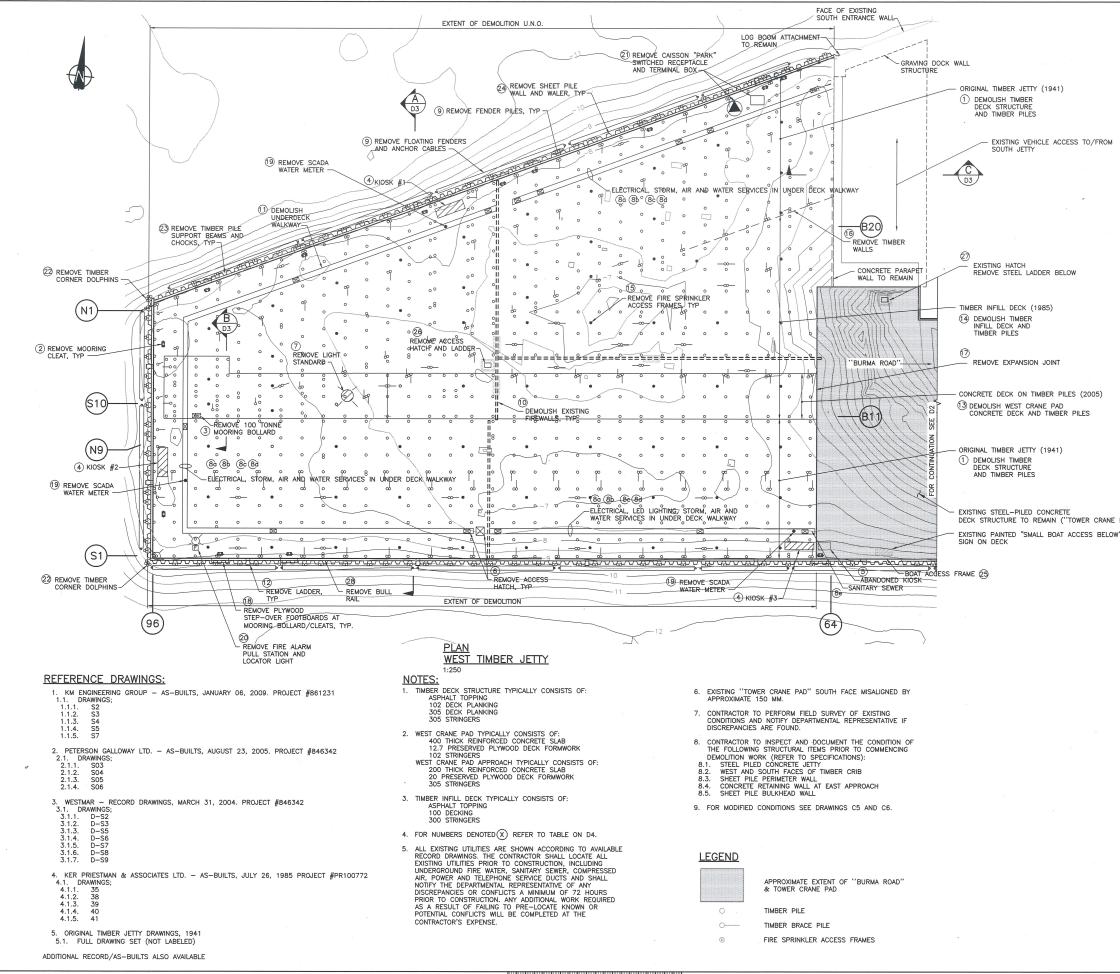




- TEMPORARY ANCHOR POINT - (CONTRACTOR DESIGN)

1. TEMPORARY RESUSPENSION BARRIER (TRB) ELEMENTS AND CONFIGURATION ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

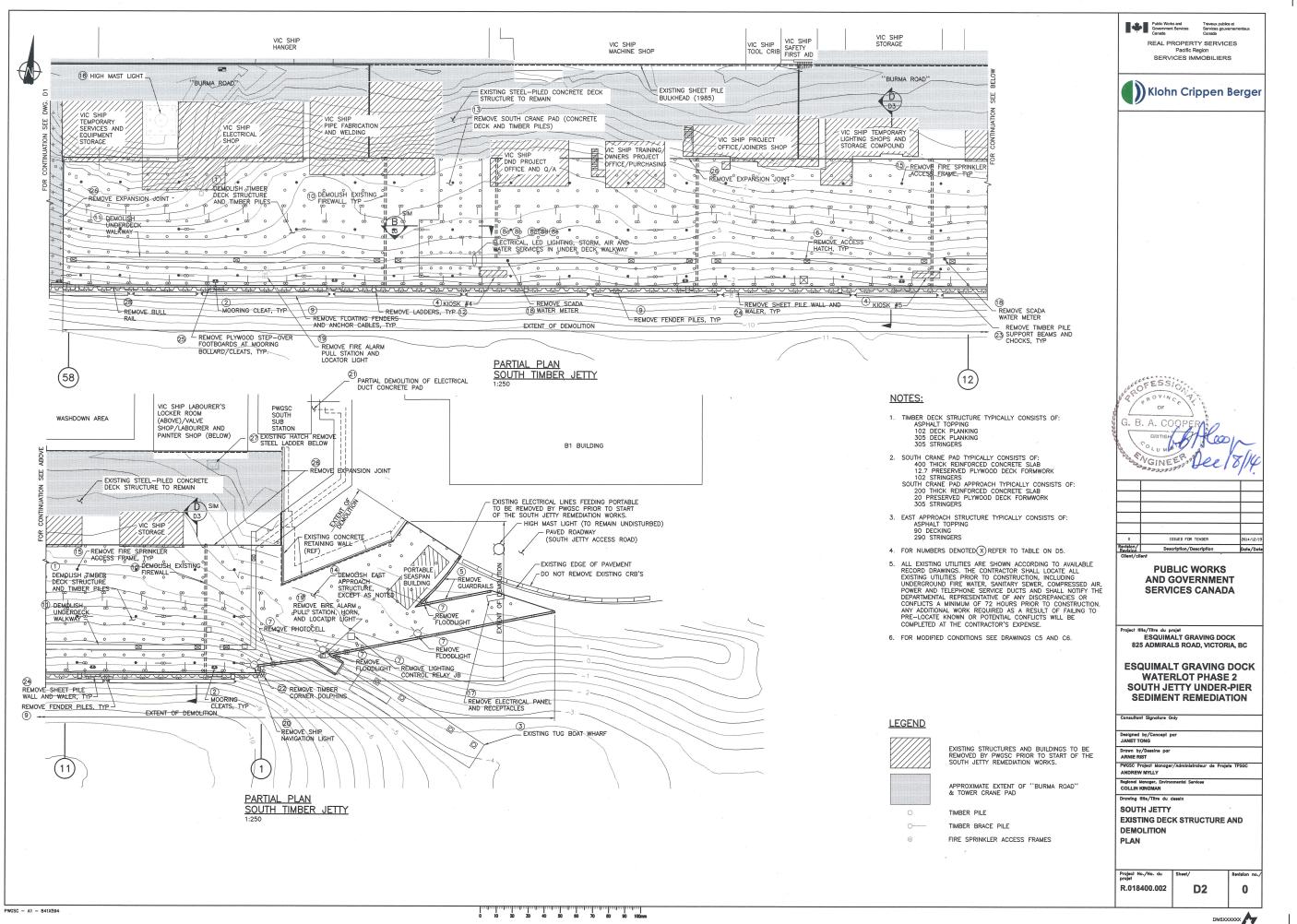
2. TEMPORARY RESUSPENSION BARRIER (TRB) SYSTEM INCLUDING SUPPORT SYSTEM IS TO BE DESIGNED BY THE CONTRACTOR'S THIRD PARTY ENGINEER. SEE SPECIFICATION FOR PERFORMANCE CRITERIA.

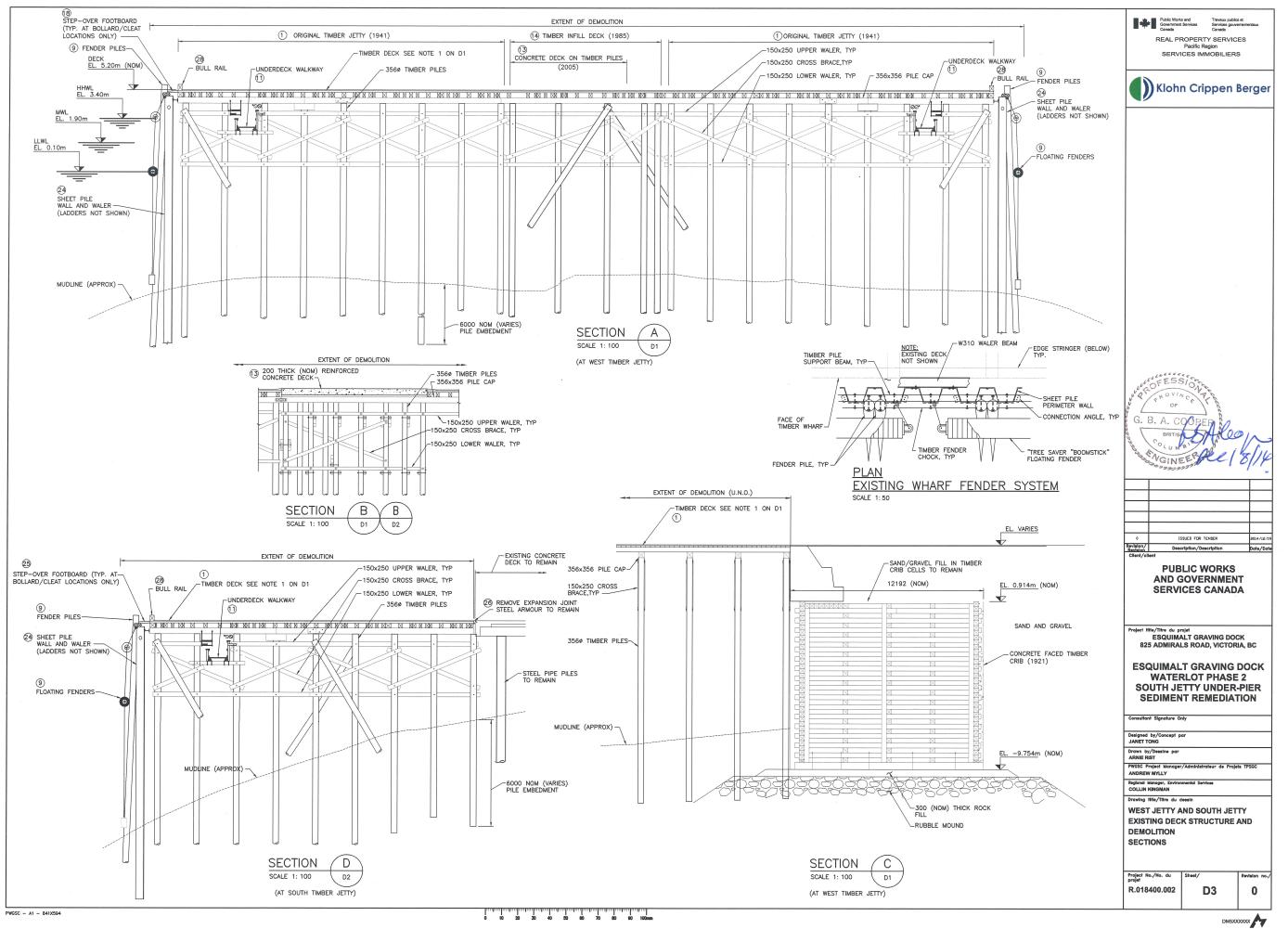


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DECK STRUCTURE TO REMAIN ("TOWER CRANE PAD") SEE NOTE 6





M 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 PWOSC. 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 TIGHT 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.					
(8a	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 THE WORK. RETURN TO PWGSC ALL FLOW METERS WITH A TAG INDICATING THE ASSOCIATED KIOSK NUMBER. DISPOSE OF ALL OTHER FIRE WATER ITEMS					
68	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 DISP REMAINING FENDER PILES.					
10	FIREWALLS	REMOVE AND DISPOSE.					
1	UNDERDECK WALKWAY	REMOVE AND DISPOSE.					
12	10 LADDERS	REMOVE AND MODIFY LADDERS REQUIRED FOR RE-USE AS SHOWN ON DWG \$122. 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.					
2)	CAISSON "PARK" SWITCHED RECEPTACLE AND TERMINAL BOX	REMOVE AND DISPOSE.					
23	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 CHO					
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.					
20	DECK ACCESS HATCH AND LADDER	REMOVE AND DISPOSE.					
27	STEEL ACCESS LADDER	REMOVE, RETAIN AND MODIFY FOR RE-USE. (SEE DWG S122)					
~	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.



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TEM 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 TIGHTL 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.					
(8a	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.					
(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 THE WORK. RETURN TO PWGSC ALL FLOW METERS WITH A TAG INDICATING THE ASSOCIATED KIOSK NUMBER. DISPOSE OF ALL OTHER FIRE WATER ITEMS.					
(8d	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 DISPOSE REMAINING FENDER PILES.					
10	FIREWALLS	REMOVE AND DISPOSE.					
1	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							
(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 HI MAST LIGHT POLE AND RETURNED TO DEPARTMENTAL REPRESENTATIVE. CCTV SYSTEM TO BE RE-INSTALLED AFTER HIGH MAST LIGHT POLE IS RE-ERECTE SEE DRAWINGS D7. D8 AND S110.					
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:

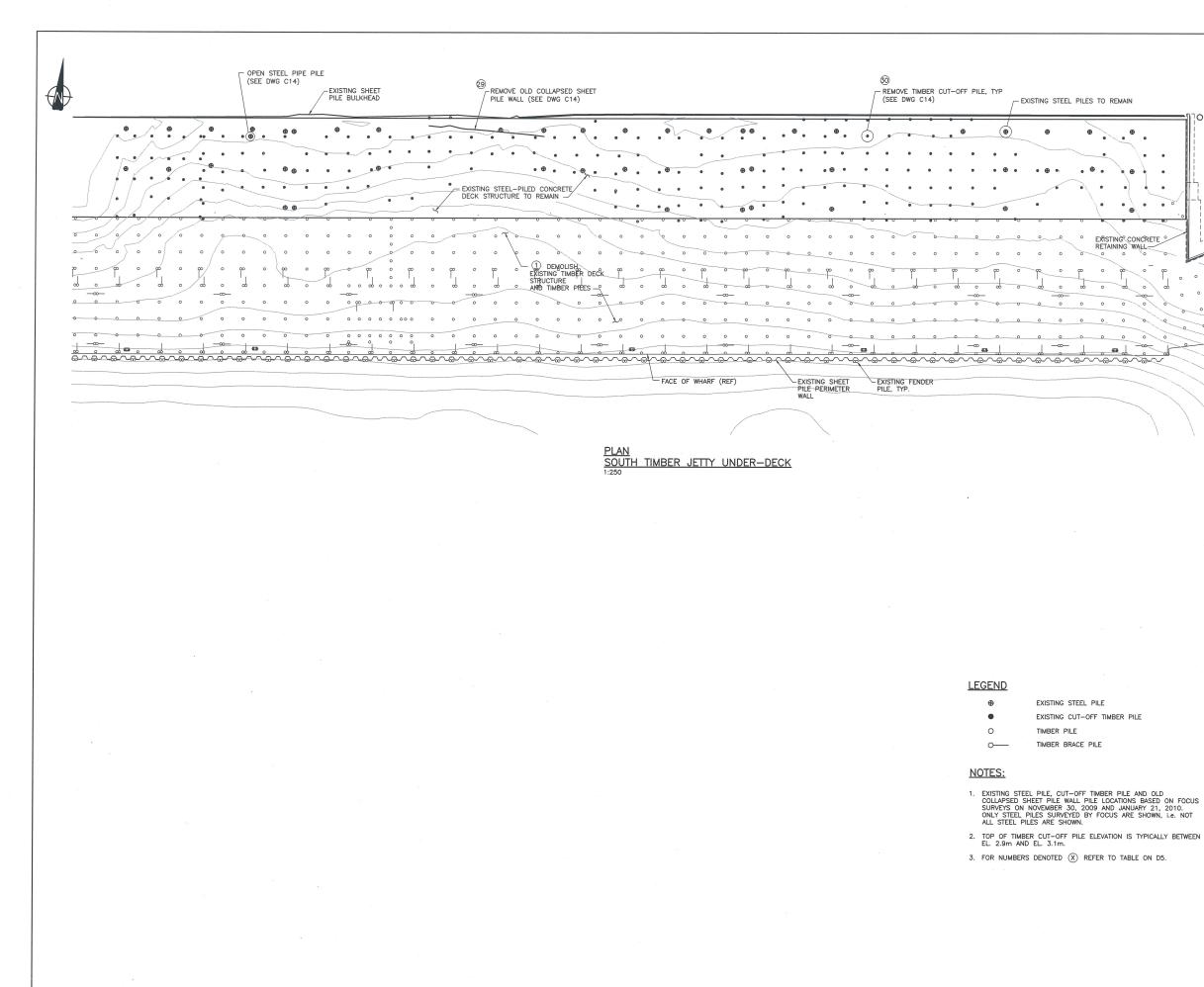
THIS TABLE INDICATES THE PRIMARY ITEMS FOR DEMOLITION AND GIVES GUIDANCE FOR ITEMS TO BE DEMOLISHED, REMOVED, RELOCATED OR RETAINED. ALL ITEMS WITHIN THE EXTENTS OF DEMOLITION, AS SHOWN ON DRAWING D2, ARE TO BE REMOVED.

PWGSC - A1 - 841X594

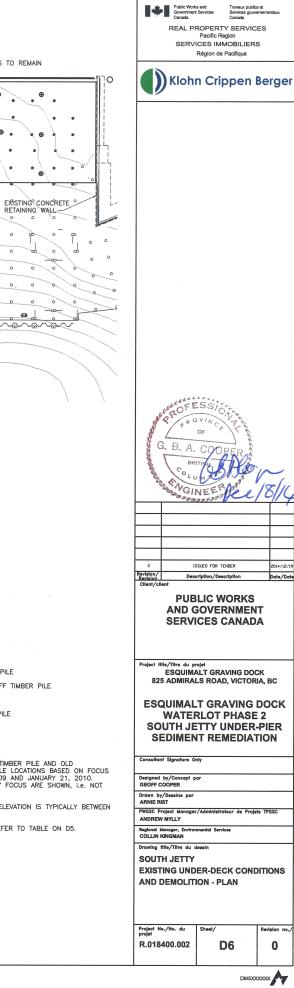
Public Works and Gevernment Services Canada Canada Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique Klohn Crippen Berger FESS G. B. A. CC ISSUED FOR TENDER 0 Revision/ Revision Description/Description Date/Dat PUBLIC WORKS AND GOVERNMENT SERVICES CANADA Project ##e/Tifre du projet ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION Consultant Signature Only Designed by/Concept par GEOFF COOPER Drawn by/Dessine par ARNIE RIST ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW NYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin SOUTH JETTY DEMOLITION ITEM DESCRIPTION AND ACTION TABLE Project No./No. du projet R.018400.002 D5 0 DM5XXXXXX

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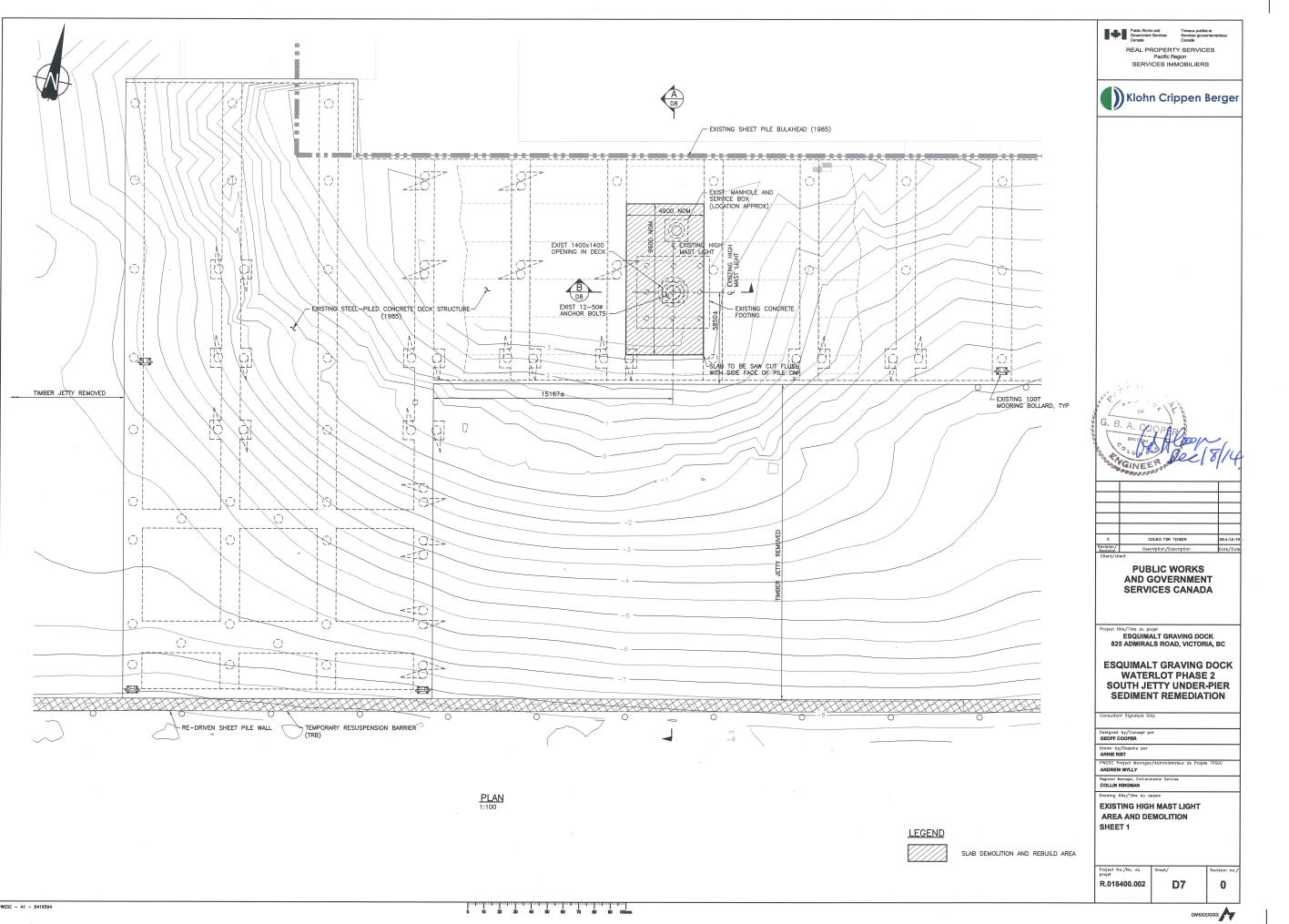


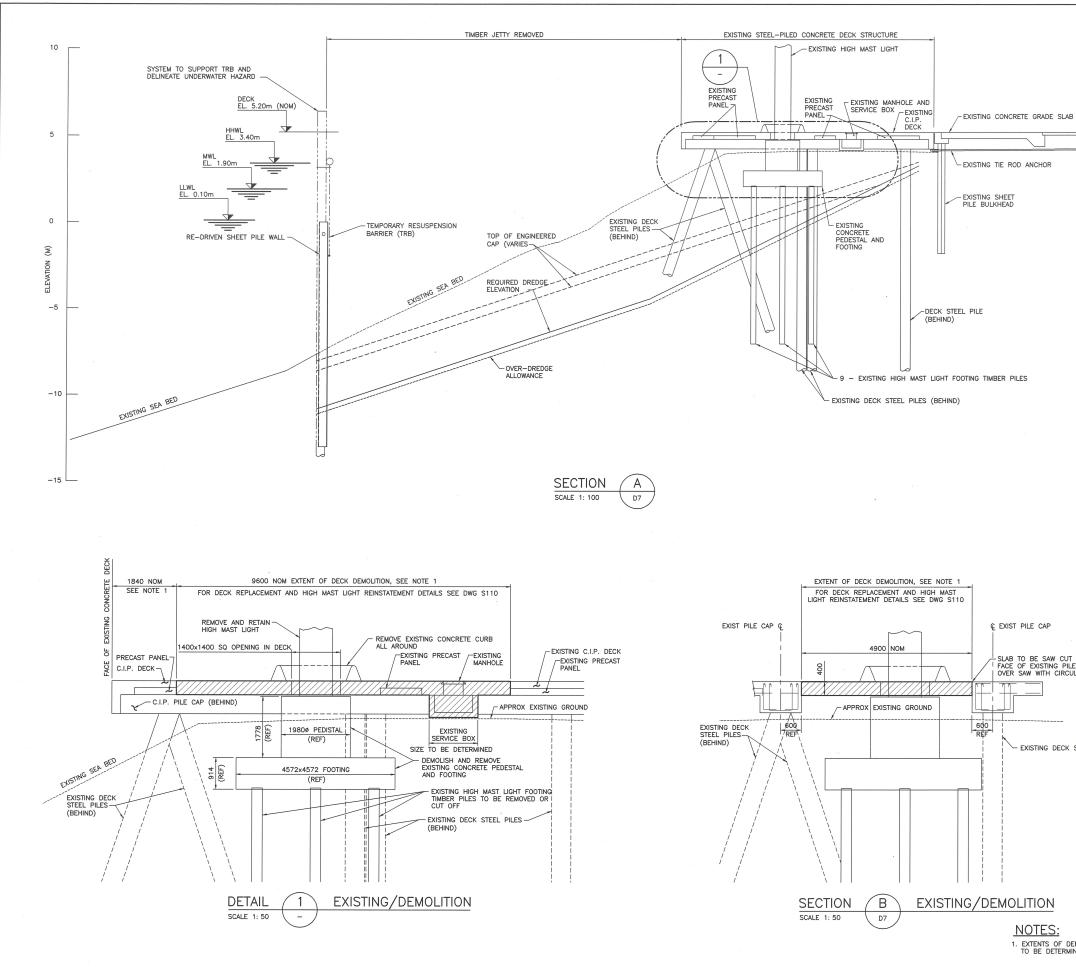
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SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION

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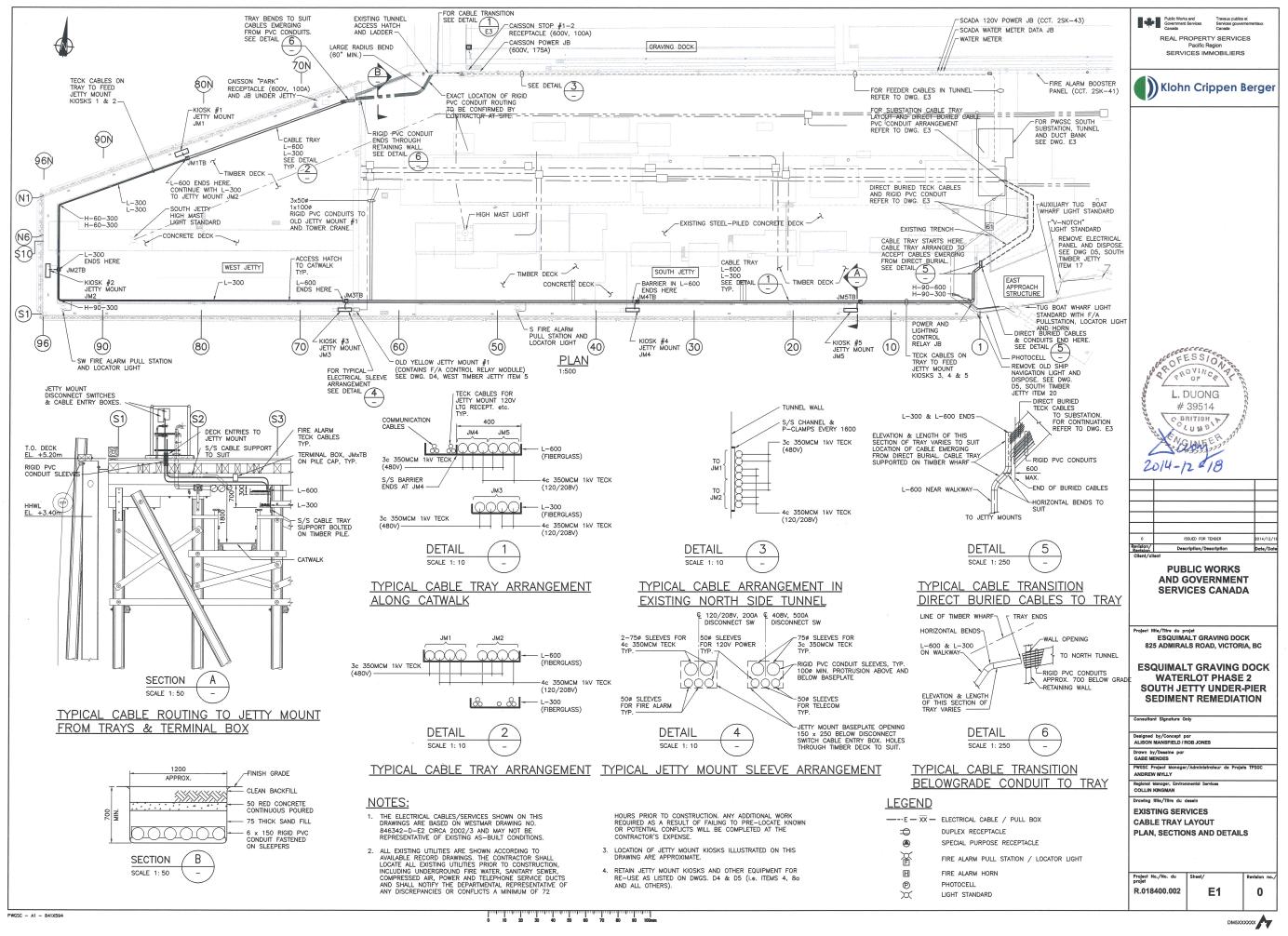
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Designed by/Concept par GEOFF COOPER Drawn by/Dessine par	TPSGC
Designed by/Cencept por <b>GEOFF COOPER</b> Drwn by/Dessine por <b>ARNIE RIST</b> PWGSC Project Manager/Administrateur de Projets <b>ANDREW MYLLY</b> Fegianal Menager, Environmental Services	TPSGC
Designed by/Concept por GEOFF COOPER Drawn by/Dessine por ARNIE RIST PKGSC Project Manager/Administrateur de Projets ANDREW MYLLY Regional Manager, Entranmental Services COLLIN KINGMAN	TPSGC
Designed by/Concept por GEOFF COOPER Drewn by/Dessine por ARNIE RIST PWSSC Project Manager/Administrateur de Projets ANDREW MYLLY Regional Manager, Environmental Services	TPSGC
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Designed by/Concept par GEOFF COOPER Drwn hy/Desine par ARNIE RIST WISSC Freject Manoger/Administrateur de Projets ANDREW WILLY PWSSC Project Manoger/Administrateur de Projets ANDREW WILLY Pussion Manager, Enrichmentel Services COLLIN KINGMAN Drewing Ille/Titre du dessin EXISTING HIGH MAST LIGHT LIGHT AREA AND DEMOLITION SHEET 2	
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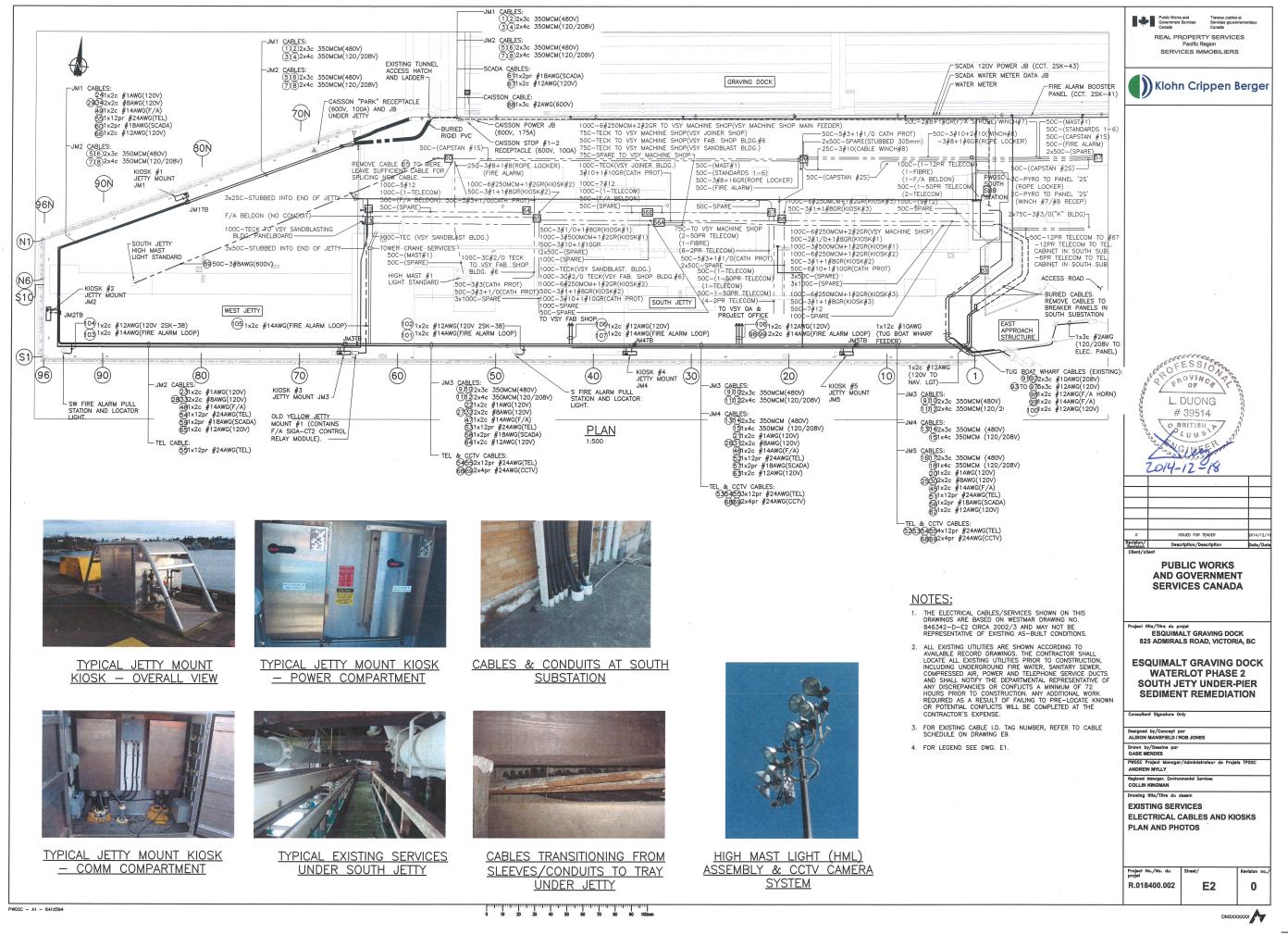
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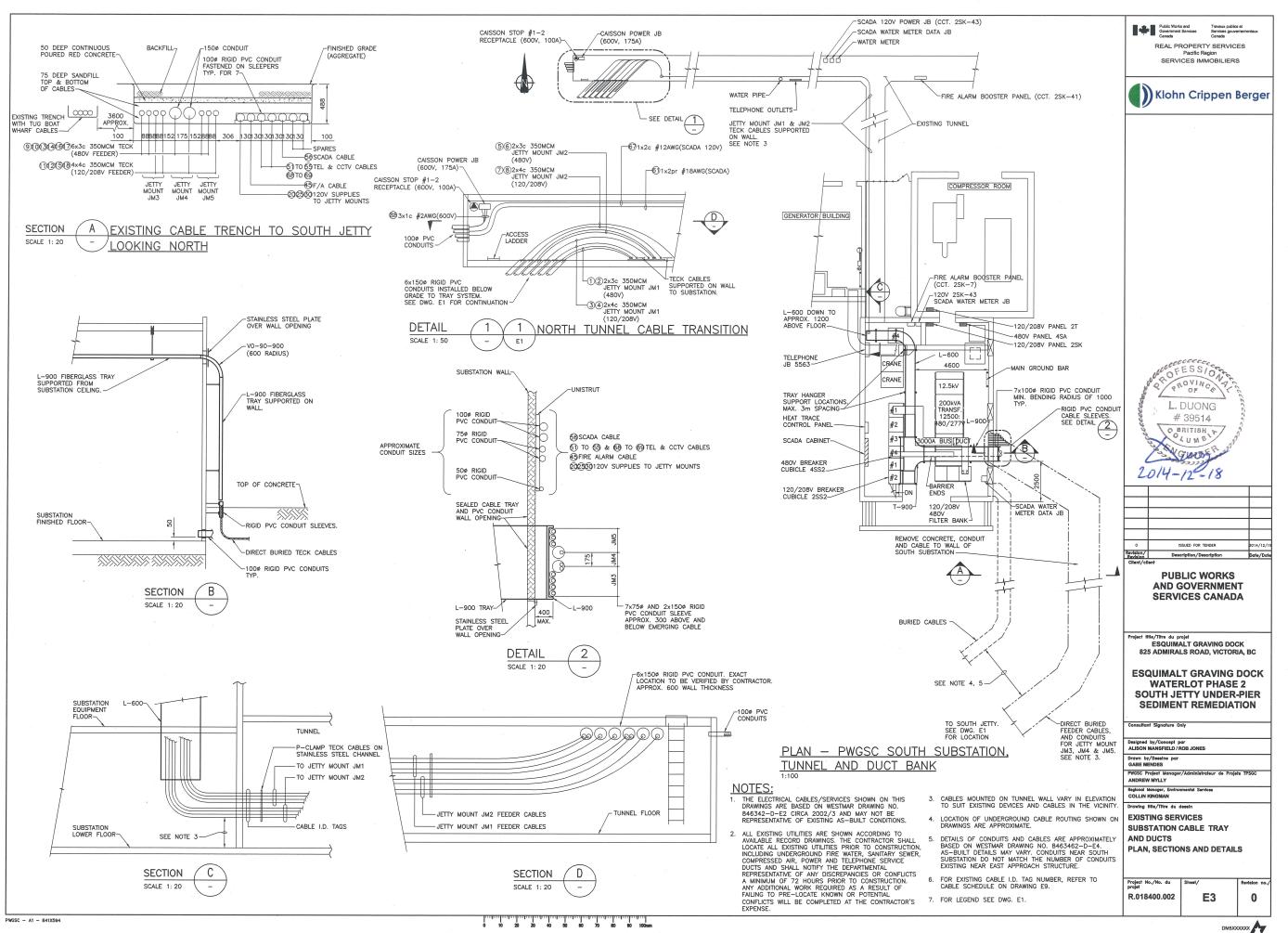
SLAB TO BE SAW CUT FLUSH WITH SIDE FACE OF EXISTING PILE CAP. DO NOT OVER SAW WITH CIRCULAR SAW.

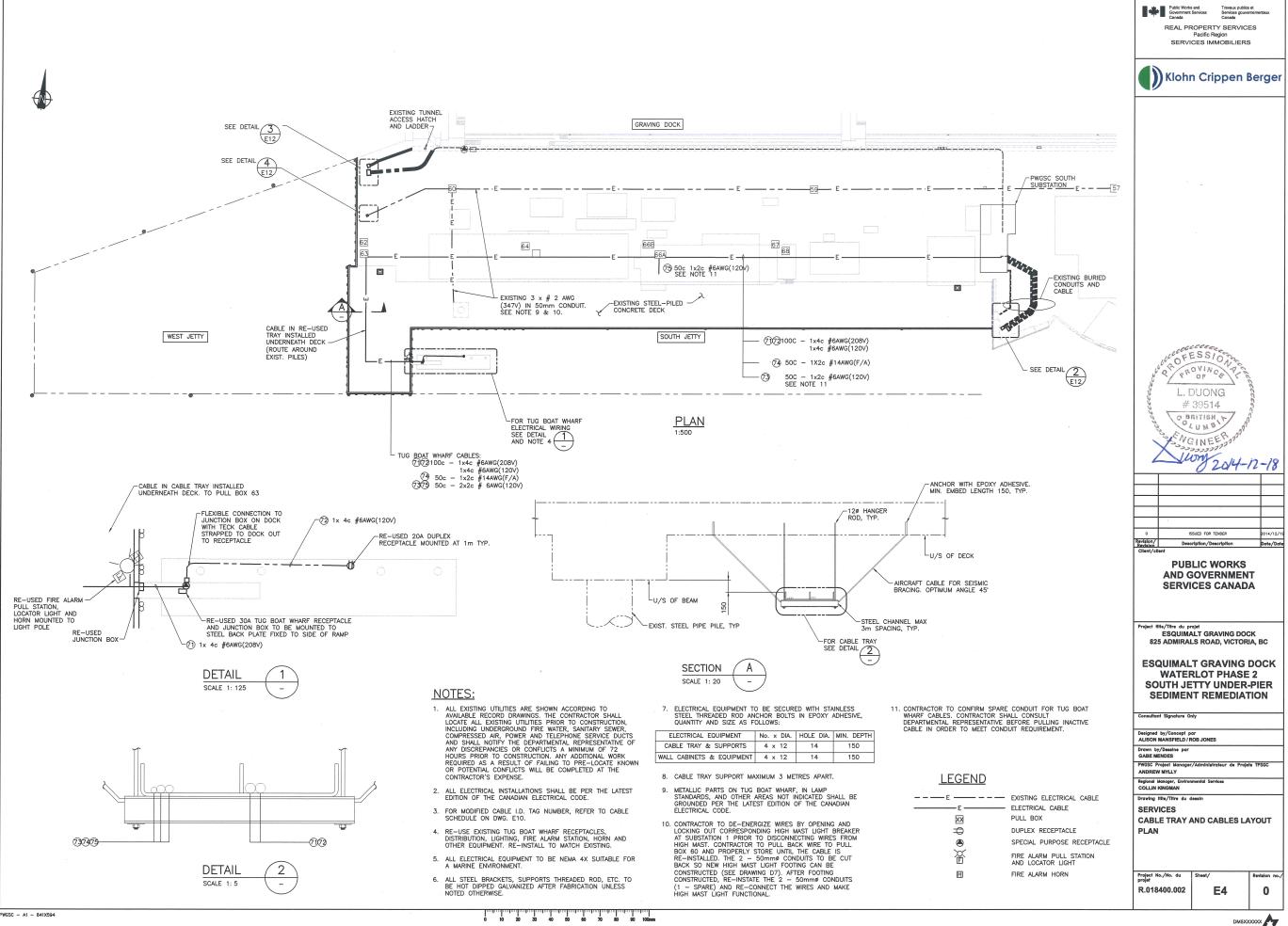
- EXISTING DECK STEEL PILES (BEHIND)

1. EXTENTS OF DEMOLITION AND REPLACEME TO BE DETERMINED PRIOR TO CONSTRUCT





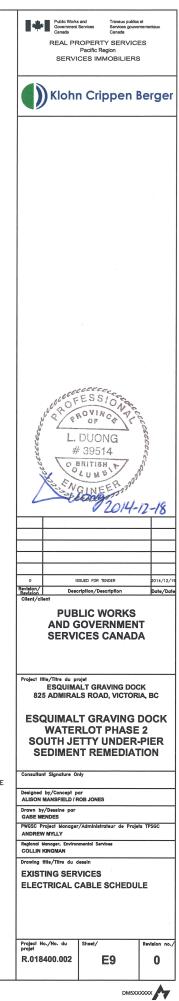




TAG 1	CABLE I.D. NUMBER 4SS271-JM1/1	CABLE SIZE 3c 350 MCM	CABLE TYPE TECK 90	SERVICE DESCRIPTION 480V, FEEDER	ORIGIN SOUTH SUB BREAKER 4SS2-71	DESTINATION JETTY MOUNT JM1 – 500A DS	NORTH TUNNEL
2	4SS271-JM1/2	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB BREAKER 4SS2-71	JETTY MOUNT JM1 - 500A DS	NORTH TUNNEL
3	2SS261-JM1/1	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-61	JETTY MOUNT JM1 - 200A DS	NORTH TUNNEL
4 5	2SS261-JM1/2 4SS272-JM2/1	4c 350 MCM 3c 350 MCM	TECK 90 TECK 90	120/208V, FEEDER 480V, FEEDER	SOUTH SUB BREAKER 2SS2-61 SOUTH SUB BREAKER 4SS2-72	JETTY MOUNT JM1 – 200A DS JETTY MOUNT JM2 – 500A DS	NORTH TUNNEL
6	4SS272-JM2/2	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB BREAKER 4532-72	JETTY MOUNT JM2 - 500A DS	NORTH TUNNEL
7	2SS262-JM2/1	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-62	JETTY MOUNT JM2 - 200A DS	NORTH TUNNEL
8 9	2SS262-JM2/2 4SS273-JM3/1	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
9	4SS273-JM3/2	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB BREAKER 4552-73	JETTY MOUNT JM3 - 500A DS	SOUTH JETTY
11	2SS263-JM3/1	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-63	JETTY MOUNT JM3 - 200A DS	SOUTH JETTY
12	2SS263-JM3/2	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-63	JETTY MOUNT JM3 - 200A DS	SOUTH JETTY
3  4	4SS274-JM4/1 4SS274-JM4/2	3c 350 MCM 3c 350 MCM	TECK 90 TECK 90	480V, FEEDER 480V, FEEDER	SOUTH SUB BREAKER 4SS2-74 SOUTH SUB BREAKER 4SS2-74	JETTY MOUNT JM4 - 500A DS JETTY MOUNT JM4 - 500A DS	SOUTH JETTY
15	2SS264-JM4	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-64	JETTY MOUNT JM4 - 200A DS	SOUTH JETTY
6	4SS275-JM5/1	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB BREAKER 4SS2-75	JETTY MOUNT JM5 - 500A DS	SOUTH JETTY
7	4SS275-JM5/2	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB BREAKER 4SS2-75	JETTY MOUNT JM5 - 500A DS	SOUTH JETTY
8	2SS265-JM5 NOT USED	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB BREAKER 2SS2-65	JETTY MOUNT JM5 - 200A DS	SOUTH JETTY
20	2SS2JB-JM5TB/1	2c #1 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB BREAKER 2SS2JB	TERMINAL BOX #JM5TB	SOUTH JETTY
21	JM5TB-JM4TB/1	2c #1 AWG	TECK 90	120V	TERMINAL BOX #JM5TB	TERMINAL BOX #JM4TB	SOUTH JETTY
22 23	JM4TB-JM3TB/1 JM3TB-JM2TB/1	2c #1 AWG 2c #1 AWG	TECK 90 TECK 90	120V 120V	- TERMINAL BOX #JM4TB TERMINAL BOX #JM3TB	TERMINAL BOX #JM3TB TERMINAL BOX #JM2TB	SOUTH JETTY
24	JM2TB-JM1TB/1	2c #1 AWG	TECK 90	1200	TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
25	2SS2-JM5TB/2	2c #8 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB BREAKER 2SS2	TERMINAL BOX #JM5TB	SOUTH JETTY
26 27	JM5TB-JM4TB/2 JM4TB-JM3TB/2	2c #8 AWG 2c #8 AWG	TECK 90	120V	TERMINAL BOX #JM5TB TERMINAL BOX #JM4TB	TERMINAL BOX #JM4TB TERMINAL BOX #JM3TB	SOUTH JETTY
28	JM41B-JM51B/2 JM3TB-JM2TB/2	2c #8 AWG 2c #8 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM41B	TERMINAL BOX #JM31B	SOUTH JETTY SOUTH JETTY
29	JM2TB-JM1TB/2	2c #8 AWG	TECK 90	120V	TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
50	2SKCCT42-JM5TB	2c #8 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB PANEL 2SK, CCT.42	TERMINAL BOX #JM5TB	SOUTH JETTY
31 32	JM5TB-JM4TB/3 JM4TB-JM3TB/3	2c #8 AWG 2c #8 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM5TB TERMINAL BOX #JM4TB	TERMINAL BOX #JM4TB TERMINAL BOX #JM3TB	SOUTH JETTY SOUTH JETTY
33	JM3TB-JM2TB/3	2c #8 AWG	TECK 90	120V	TERMINAL BOX #JM41B	TERMINAL BOX #JM2TB	SOUTH JETTY
54	JM2TB-JM1TB/3	2c #8 AWG	TECK 90	120V	TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
5	JM5TB-JM5/1 JM5TB-JM5/2	4c #12 AWG	TECK 90	120V	TERMINAL BOX #JM5TB	JB FOR LIGHT & RECEP. IN JM5	SOUTH JETTY
56 57	JM51B-JM5/2 JM4TB-JM4/1	2c #12 AWG 4c #12 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM5TB TERMINAL BOX #JM4TB	F/A 120V TERMINALS IN JM5 JB FOR LIGHT & RECEP. IN JM4	SOUTH JETTY SOUTH JETTY
58	JM4TB-JM4/2	2c #12 AWG	TECK 90	120V	TERMINAL BOX #JM4TB	F/A 120V TERMINALS IN JM4	SOUTH JETTY
59	JM3TB-JM3/1	4c #12 AWG	TECK 90	120V	TERMINAL BOX #JM3TB	JB FOR LIGHT & RECEP. IN JM3	SOUTH JETTY
0 1	JM3TB-JM3/2 JM2TB-JM2/1	2c #12 AWG 4c #12 AWG	TECK 90 TECK 90	120V 120V	TERMINAL BOX #JM3TB TERMINAL BOX #JM2TB	F/A 120V TERMINALS IN JM3 JB FOR LIGHT & RECEP. IN JM2	SOUTH JETTY SOUTH JETTY
2	JM2TB-JM2/2	2c #12 AWG	TECK 90	120V	TERMINAL BOX #JM2TB	F/A 120V TERMINALS IN JM2	SOUTH JETTY
-3	JM1TB-JM1/1	4c #12 AWG	TECK 90	120V	TERMINAL BOX #JM1TB	JB FOR LIGHT & RECEP. IN JM1	SOUTH JETTY
-4	JM1TB-JM1/2 F/A BOX-JM5	2c #12 AWG 2c #14 AWG	TECK 90 TECK 90	120V	TERMINAL BOX #JM1TB SIGA-IM F/A BOX @ SOUTH SUB	F/A 120V TERMINALS IN JM1	SOUTH JETTY
-6	JM5-JM4/FA	2c #14 AWG	TECK 90	FIRE ALARM FIRE ALARM	JETTY MOUNT 5 FIRE ALARM SYSTEM	JETTY MOUNT 5 FIRE ALARM SYSTEM	SOUTH JETTY SOUTH JETTY
.7	JM4-JM3/FA	2c #14 AWG	TECK 90	FIRE ALARM	JETTY MOUNT 4 FIRE ALARM SYSTEM	JETTY MOUNT 3 FIRE ALARM SYSTEM	SOUTH JETTY
8	JM3-JM2/FA	2c #14 AWG	TECK 90	FIRE ALARM	JETTY MOUNT 3 FIRE ALARM SYSTEM	JETTY MOUNT 2 FIRE ALARM SYSTEM	SOUTH JETTY
9	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
51	TEL BOX-JM5	12pr #24 AWG	TEL	TELEPHONE	TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 5 TELEPHONE TB	SOUTH JETTY
2	TEL BOX-JM4	12pr #24 AWG	TEL	TELEPHONE	TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 4 TELEPHONE TB	SOUTH JETTY
4	TEL BOX-JM3 TEL BOX-JM2	12pr #24 AWG 12pr #24 AWG	TEL	TELEPHONE TELEPHONE	TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 3 TELEPHONE TB	SOUTH JETTY SOUTH JETTY
5	TEL BOX-JM1	12pr #24 AWG	TEL	TELEPHONE	TELEPHONE BOX @ SOUTH SUB TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 2 TELEPHONE TB	SOUTH JETTY
6	SCADA BOX-JM5-0400E1	2pr #18 AWG	STP RS485 AIA JKT	SCADA	SCADA PANEL @ SOUTH WATER METER JB	JETTY MOUNT 5 SCADA WATER METER JB	SOUTH JETTY
7	JM5-JM4/SCADA-0400E2 JM4-JM3/SCADA-0400E3	2pr #18 AWG	STP RS485 AIA JKT	SCADA	JETTY MOUNT 5 SCADA WATER METER JB	JETTY MOUNT 4 SCADA WATER METER JB	SOUTH JETTY
8	JM3-JM2/SCADA-0400E3	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
0	JM2-JM1/SCADA-0400E5	2pr #18 AWG	STP RS485 AIA JKT	SCADA	JETTY MOUNT 2 SCADA WATER METER JB	JETTY MOUNT 1 SCADA WATER METER JB	SOUTH JETTY
1	JM1-DRYDOCK SPARE	2pr #18 AWG	STP RS485 AIA JKT	SCADA	JETTY MOUNT 1 SCADA WATER METER JB	SERVICE TUNNEL SCADA WATER METER JB	NORTH TUNNEL
2	2SKCCT43-JM5 120V JM5-JM4 120V 2SK-43	2c #12 AWG 2c #12 AWG	TECK 90 TECK 90	120V 120V	SOUTH SUB PANEL 2SK, CCT. 43 JM5 120V 2SK-43 JB	JM5 120V 2SK-43 JB JM4 120V 2SK-43 JB	SOUTH JETTY SOUTH JETTY
4	JM4-JM3 120V 2SK-43	2c #12 AWG	TECK 90	120V	JM4 120V 2SK-43 JB	JM3 120V 2SK-43 JB	SOUTH JETTY
5	JM3-JM2 120V 2SK-43	2c #12 AWG	TECK 90	120V	JM3 120V 2SK-43 JB	JM2 120V 2SK-43 JB	SOUTH JETTY
6 7	JM2-JM1 120V 2SK-43 JM1-TUNNEL 120V 2SK-43	2c #12 AWG 2c #12 AWG	TECK 90 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
8	TOWER CRANE CAMERA	4pr #24 AWG	UTP CAT5e	CCTV	SOUTH SUBSTATION (UNKNOWN)	SOUTH JETTY TOWER CRANE	SOUTH JETTY
9	TOWER CRANE CAMERA	4pr #24 AWG	UTP CAT5e	CCTV	SOUTH SUBSTATION (UNKNOWN)	SOUTH JETTY TOWER CRANE	SOUTH JETTY
0	NOT USED						
1	NOT USED NOT USED						
3	NOT USED						
4	NOT USED						
5 6	NOT USED NOT USED						
7	NOT USED					•	
8	NOT USED						
9 0	NOT USED NOT USED						
1	NOT USED						
2	NOT USED						
3 4	NOT USED						
4 5	NOT USED NOT USED						
6	NOT USED						
7	NOT USED CAISSON 1/2JB-PARKJM1	3. #0 MMC	TECK 00	6001/			NODEL TRUCE
8 9	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	CAISSON PARK JETTY MOUNT 1 SOUTH JETTY HIGH MAST LIGHT	NORTH TUNNEL EXISTING DUCT BAN
0	NOT USED						
1	2SKCCT18/20-TUG1	4c #8 AWG	TECK 90	208V	SOUTH SUB PANEL 2SK, CCT. 18/20	TUG WHARF RECEPTACLE 30A	SOUTH JETTY
2 3	2SKCCT22/24-TUG2 2SKCCT23-TUG3	4c #8 AWG 4c #10 AWG	TECK 90 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	SOUTH JETTY SOUTH JETTY
5 4	2SKCCT16-TUGPC	3c #12 AWG	TECK 90	120V	SOUTH SUB PANEL 25K, CCT. 25	TUG WHARF RECEPTACLE 20A	SOUTH JETTY
5	TUGPC-TUGLIGHT1	3c #12 AWG	TECK 90	120V	TUG WHARF PHOTOCELL	TUG FLOODLIGHT 1	SOUTH JETTY
6	TUGPC-TUGLIGHT2	3C #12 AWG	TECK 90	120V	TUG FLOODLIGHT 1	TUG FLOODLIGHT 2	SOUTH JETTY
7 8	TUGPC-TUGLIGHT3 F/A BOX - TUG F/A	3C #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
9	F/A BOX - TUG F/A	2c #12 AWG 2c #14 AWG	TECK 90	FIRE ALARM	VSY QA OFFICE 120V PANEL	TUG WHARF F/A HORN	SOUTH JETTY
0	2SKCCT38-F/A LOC LGT TUG	2c #12 AWG	TECK 90	120V	SOUTH SUB PANEL 2SK, CCT. 38	TUG WHARF LOCATOR LIGHT	SOUTH JETTY
	SIGA-CT2 - JETTY F/A S	2c #14 AWG	TECK 90	FIRE ALARM	SIGA-CT2 F/A CONTROL RELAY KIOSK #3	JETTY FIRE ALARM S	SOUTH JETTY
		12c #12 AWG	TECK 90	120V	TUG WHARF LOCATOR LIGHT	JETTY LOCATOR LIGHT S	SOUTH JETTY
)1 )2	F/A LOC LGT TUG - LOC LGT S		TECK OD	FIRE ALARM	SIGA-CT2 E/A CONTROL DELAY KIOSY #3		SOUTH IETTV
	SIGA-CT2 - JETTY F/A SW F/A LOC LGT S - LOC LGT SW	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
)2 )3	SIGA-CT2 - JETTY F/A SW	2c #14 AWG 2c #12 AWG 2c #14 AWG					

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

NOTES:



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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.

2271-JM1/1 2271-JM1/2 2271-JM1/1 2272-JM2/1 2272-JM2/1 2272-JM2/2 2262-JM2/1 2273-JM3/1 273-JM3/1 235-JM3/1	3c         350         MCM           3c         350         MCM           4c         350         MCM           4c         350         MCM           3c         350         MCM	TECK         90           TECK         90           TECK         90           TECK         90	480V, FEEDER 480V, FEEDER 120/208V, FEEDER	SOUTH SUB LOWER FLOOR SOUTH SUB LOWER FLOOR SOUTH SUB LOWER FLOOR	PULL PIT T2 PULL PIT T2 PULL PIT T2	NORTH TUNNEL NORTH TUNNEL NORTH TUNNEL
261-JM1/1 261-JM1/2 272-JM2/1 272-JM2/2 262-JM2/2 262-JM2/2 273-JM3/1 273-JM3/2	4c 350 MCM 4c 350 MCM 3c 350 MCM	TECK 90				
2261-JM1/2 2272-JM2/1 2272-JM2/2 2262-JM2/2 2262-JM2/2 2273-JM3/1 273-JM3/2	4c 350 MCM 3c 350 MCM					INUKIN IUNNEL
272-JM2/2 262-JM2/1 262-JM2/2 273-JM3/1 273-JM3/2			120/208V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL
262-JM2/1 262-JM2/2 273-JM3/1 273-JM3/2		TECK 90	480V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL
262-JM2/2 273-JM3/1 273-JM3/2	3c 350 MCM 4c 350 MCM	TECK 90 TECK 90	480V, FEEDER 120/208V, FEEDER	SOUTH SUB LOWER FLOOR SOUTH SUB LOWER FLOOR	PULL PIT T2 PULL PIT T2	NORTH TUNNEL
273-JM3/2	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL
	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB CABLE TRAY	OUTSIDE T4	SOUTH JETTY
263-JM3/1	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB CABLE TRAY	OUTSIDE T4	SOUTH JETTY
263-JM3/2	4c 350 MCM 4c 350 MCM	TECK 90 TECK 90	120/208V, FEEDER 120/208V, FEEDER	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	OUTSIDE T4 OUTSIDE T4	SOUTH JETTY SOUTH JETTY
274-JM4/1	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB CABLE TRAT	PULL PIT T4	SOUTH JETTY
274-JM4/2	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T4	SOUTH JETTY
264-JM4	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB CABLE TRAY	OUTSIDE T4	SOUTH JETTY
275-JM5/1 275-JM5/2	3c 350 MCM 3c 350 MCM	TECK 90 TECK 90	480V, FEEDER 480V, FEEDER	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	OUTSIDE T4 OUTSIDE T4	SOUTH JETTY SOUTH JETTY
265–JM5	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB CABLE TRAY	OUTSIDE T4	SOUTH JETTY
USED						
2JB-JM5TB/1	2c #1 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
USED			4			
USED						
USED	1 - 4					
2-JM5TB/2 USED	2c #8 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
USED					· · ·	
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USED				I	· · · · · · · · · · · · · · · · · · ·	1
CCT42-JM5TB	2c #8 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
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BOX-JM5	2c #14 AWG	TECK 90	FIRE ALARM	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
USED USED						
USED						
USED						
USED				· · · · · · · · · · · · · · · · · · ·		
BOX-JM5	12pr #24 AWG 12pr #24 AWG	TEL	TELEPHONE	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
BOX-JM4 BOX-JM3	12pr #24 AWG	TEL	TELEPHONE TELEPHONE	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	PULL PIT T5 PULL PIT T5	SOUTH JETTY SOUTH JETTY
BOX-JM2	12pr #24 AWG	TEL	TELEPHONE	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
BOX-JM1	12pr #24 AWG	TEL	TELEPHONE	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
DA BOX-JM5-0400E1	2pr #18 AWG	STP RS485 AIA JKT	SCADA	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
USED USED						
USED						
USED						
-DRYDOCK SPARE	2pr #18 AWG	STP RS485 AIA JKT	SCADA	PULL PIT T1	SERVICE TUNNEL SCADA WATER METER JB (SEE NOTE 2)	NORTH TUNNEL
CCT43-JM5 120V	2c #12 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
USED						
USED						
USED USED						
-TUNNEL 120V 2SK-43	2c #12 AWG	TECK 90	120V	PULL PIT T1	SERVICE TUNNEL 2SK-43 JB (SEE NOTE 2)	NORTH TUNNEL
ER CRANE CAMERA	4pr #24 AWG	UTP CAT5e	CCTV	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
ER CRANE CAMERA	4pr #24 AWG	UTP CAT5e	CCTV	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
USED CCT22/24-TUG2	4c #6 AWG	TECK 90	208V	SOUTH SUB PANEL 2SK, CCT. 22/24	TUG WHARF RECEPTACLE 30A	EXISTING BURIED COND
CCT23-TUG3	4c #6 AWG	TECK 90	1208V	SOUTH SUB PANEL 2SK, CCT. 22/24	TUG WHARF RECEPTACLE 30A	EXISTING BURIED COND
BOX - TUG F/A	2c #6 AWG	TECK 90	120V	SOUTH SUB PANEL 2SK, CCT. 16	TUG WHARF F/A HORN	EXISTING BURIED COND
BOX TUG F/A HORN	2c #14 AWG 2c #6 AWG	TECK 90	FIRE ALARM	SIGMA-IM BOX @ SOUTH SUB	TUG WHARF FIRE ALARM	EXISTING BURIED COND EXISTING BURIED COND
MAC-F/A LOC LGT TUG	ZC #O AWG	TECK 90	120V	VSY MACHINE SHOP PANEL 28M	TUG WHARF LOCATOR LIGHT	LAISTING BURIED COND
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SON 1/2JB-PARKJM1	3c #2 AWG	TECK 90	600V	CAISSON 1/2 JB IN SERVICE TUNNEL	PULL PIT T1	NORTH TUNNEL
CCT26-SJ HIGH MAST	3c #1 AWG	RW90/TECK 90	347V	MAIN SUB PANEL 6SH CCT. 26	PULL PIT T3	EXISTING DUCT BANK
USED CCT18/20-TUG1	4c #8 AWG	TECK 90	208V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY
CT18/20-TUG1 CCT22/24-TUG2	4c #8 AWG	TECK 90	208V 208V	SOUTH SUB CABLE TRAY	NEAR PULL PIT 14	SOUTH JETTY
CCT23-TUG3	4c #10 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY
CCT16-TUGPC	3c #12 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY
USED						
USED USED				x		
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CCT38-F/A LOC LGT TUG	2c #12 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY
USED						
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				· · · · · · · · · · · · · · · · · · ·	*	
USED USED						
USED USED USED	TUG	TUG  2c #12 AwG	TUG  2c #12 AWG  TECK 90	TUG  2c #12 AWG  TECK 90  120V	TUG  2c #12 AWG  TECK 90  120V  SUUTH SUB CABLE TRAY	TUG  2c #12 AWG  TECK 90  120V  SOUTH SUB CABLE TRAY  NEAR PULL PIL 14

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

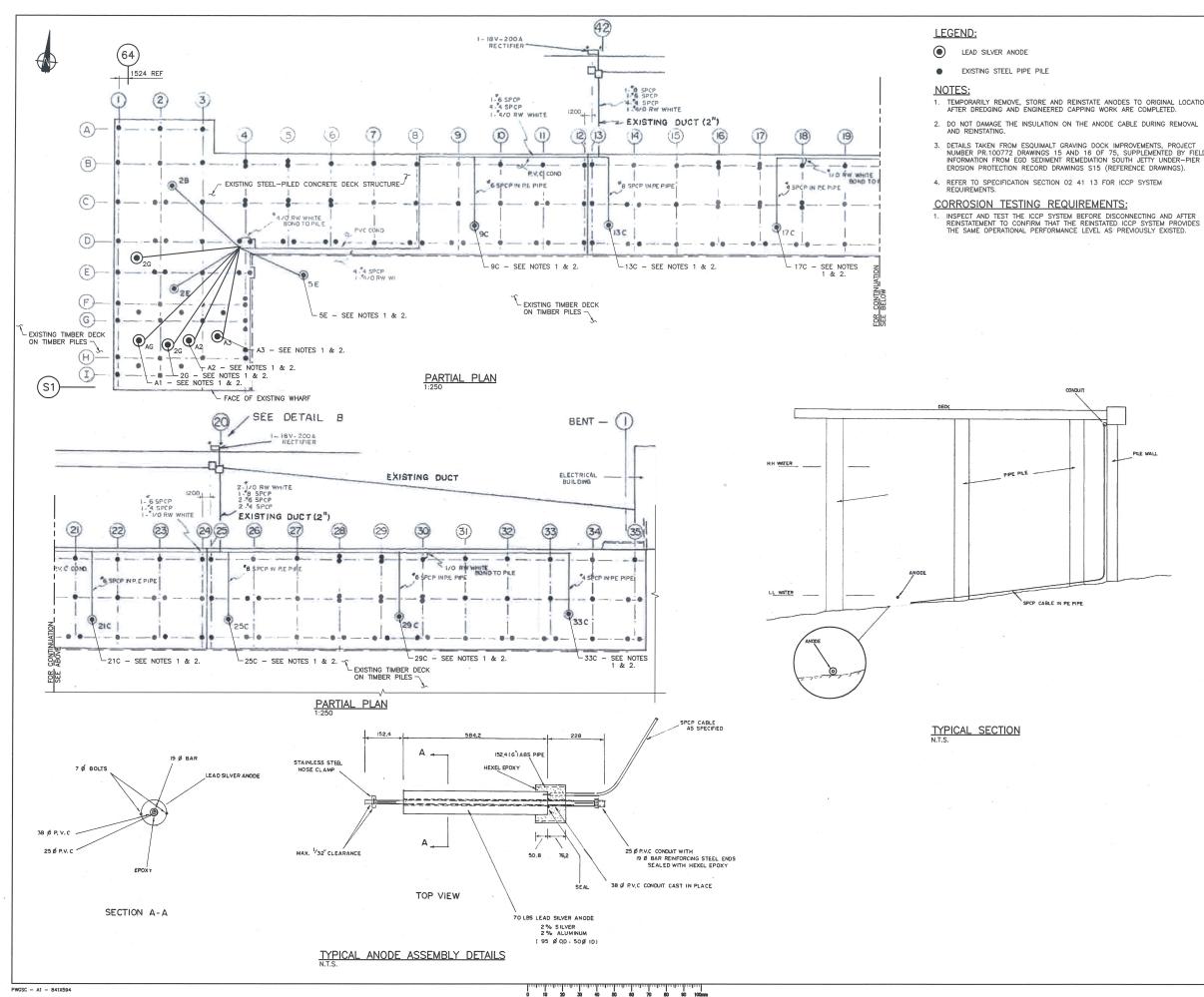
NOTES:



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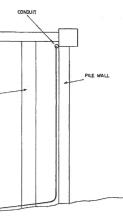
1. CONTRACTOR TO FIELD VERIFY ALL DETAILS PRIOR TO ORDERING NEW CABLES. OBTAIN INSTRUCTION FROM DEPARTMENTAL REPRESENTATIVE BEFORE ORDERING MATERIAL IF THERE IS ANY DISCREPANCY OR IF ADDITIONAL CABLES NOT SHOWN ARE FOUND.

2. CABLES SHALL BE DISCONNECTED FROM EQUIPMENT, CAPPED AND SEALED. CABLES WITH A NORTH TUNNEL ROUTING SHALL BE MADE SAFE AND PULLED BACK ONTO THE SUBSTATION LOWER FLOOR. CABLES WITH A SOUTH JETTY ROUTING SHALL BE MADE SAFE AND PULLED BACK ONTO THE EXISTING CABLE TRAY IN THE SOUTH SUB. TAGGING SHALL REMAIN ON CABLES.



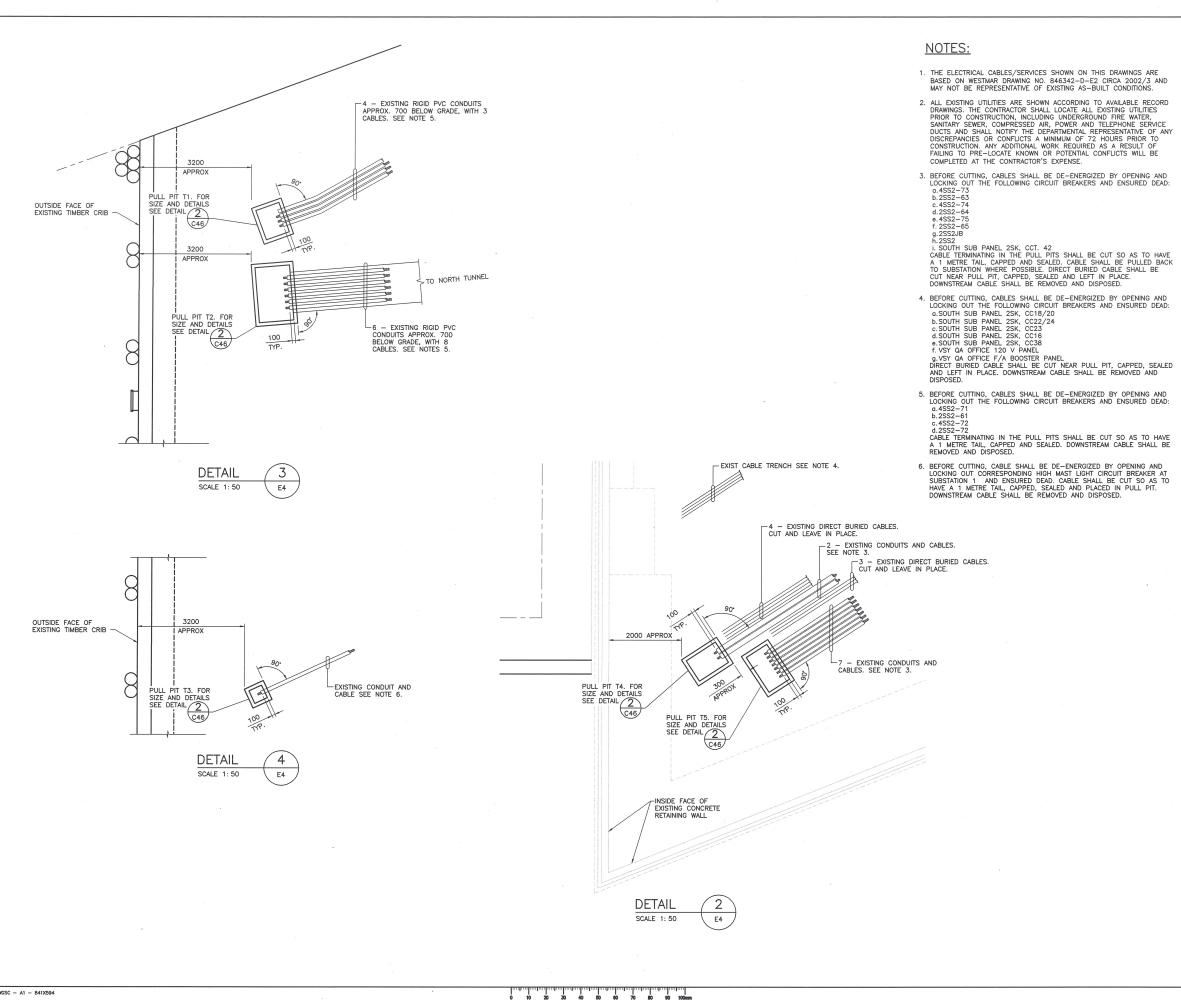
1. TEMPORARILY REMOVE, STORE AND REINSTATE ANODES TO ORIGINAL LOCATION AFTER DREDGING AND ENGINEERED CAPPING WORK ARE COMPLETED.

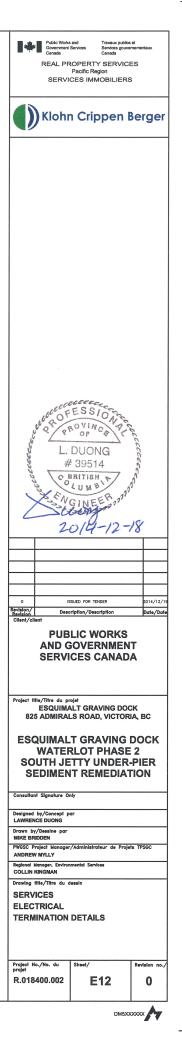
 DETAILS TAKEN FROM ESQUIMALT GRAVING DOCK IMPROVEMENTS, PROJECT NUMBER PR.100772 DRAWINGS 15 AND 16 OF 75, SUPPLEMENTED BY FIELD INFORMATION FROM EGD SEDIMENT REMEDIATION SOUTH JETTY UNDER-PIER EROSION PROTECTION RECORD DRAWINGS S15 (REFERENCE DRAWINGS).

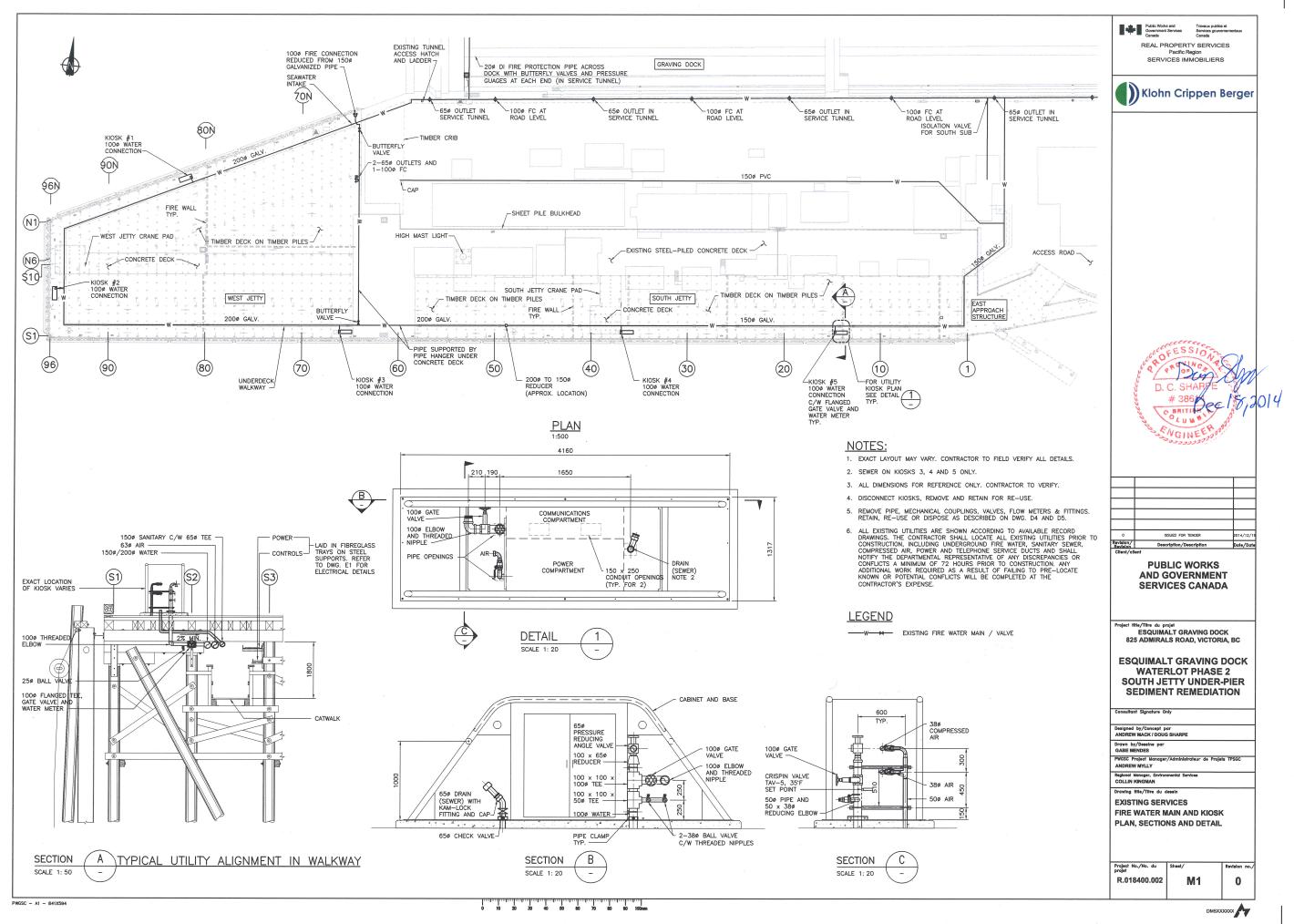


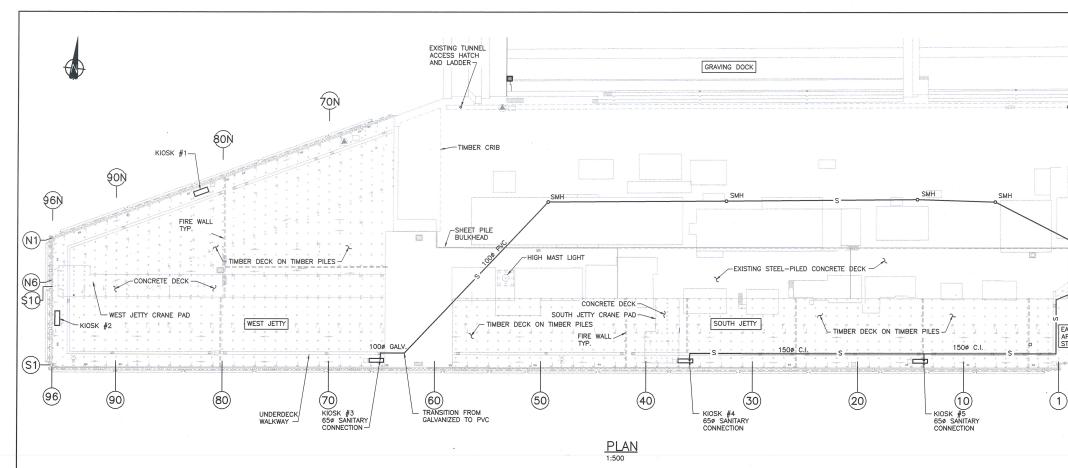
SPCP CABLE IN PE PIPE









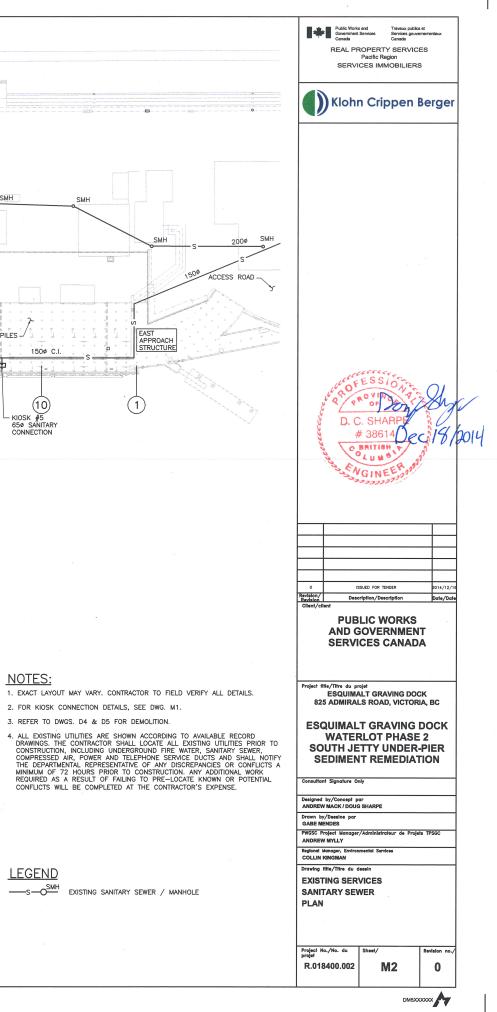


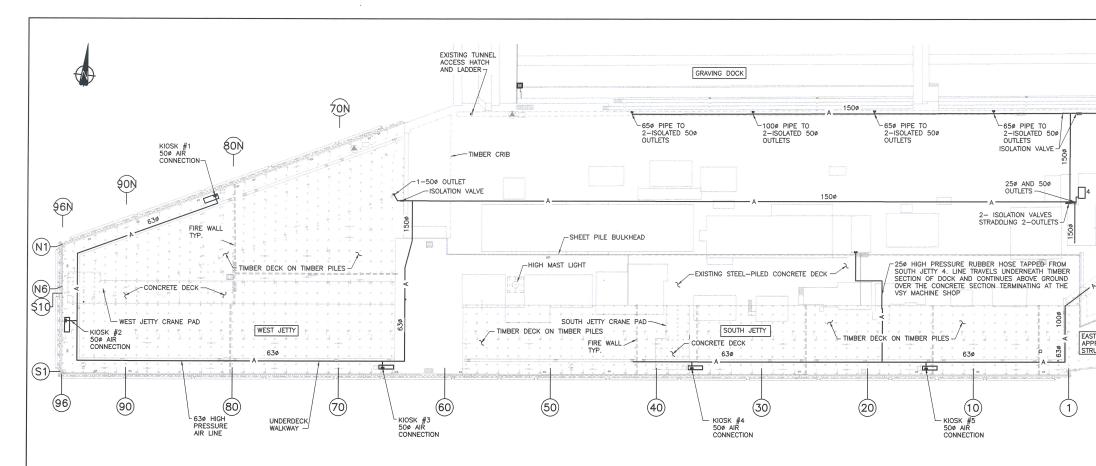
# NOTES:

2. FOR KIOSK CONNECTION DETAILS, SEE DWG. M1.

3. REFER TO DWGS. D4 & D5 FOR DEMOLITION.

**LEGEND** 





PLAN 1:500

# NOTES:

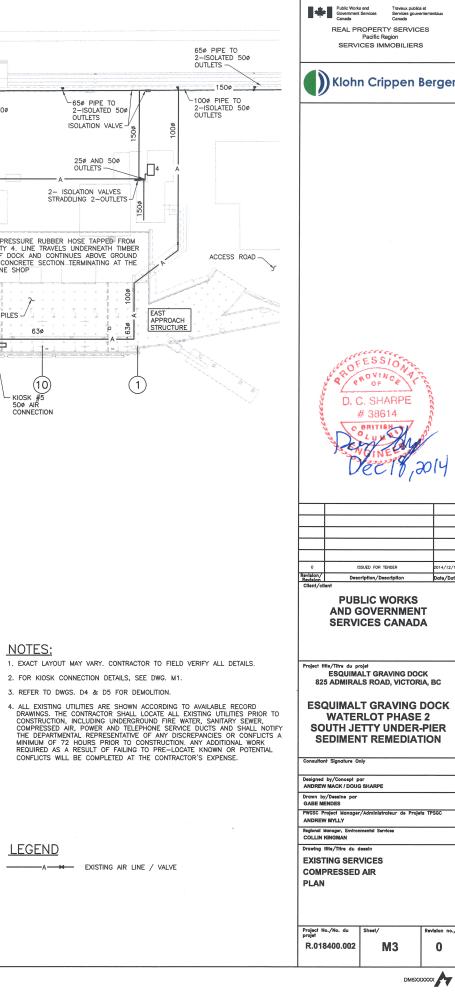
1. EXACT LAYOUT MAY VARY. CONTRACTOR TO FIELD VERIFY ALL DETAILS.

2. FOR KIOSK CONNECTION DETAILS, SEE DWG. M1.

- 3. REFER TO DWGS. D4 & D5 FOR DEMOLITION.

# <u>LEGEND</u>

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

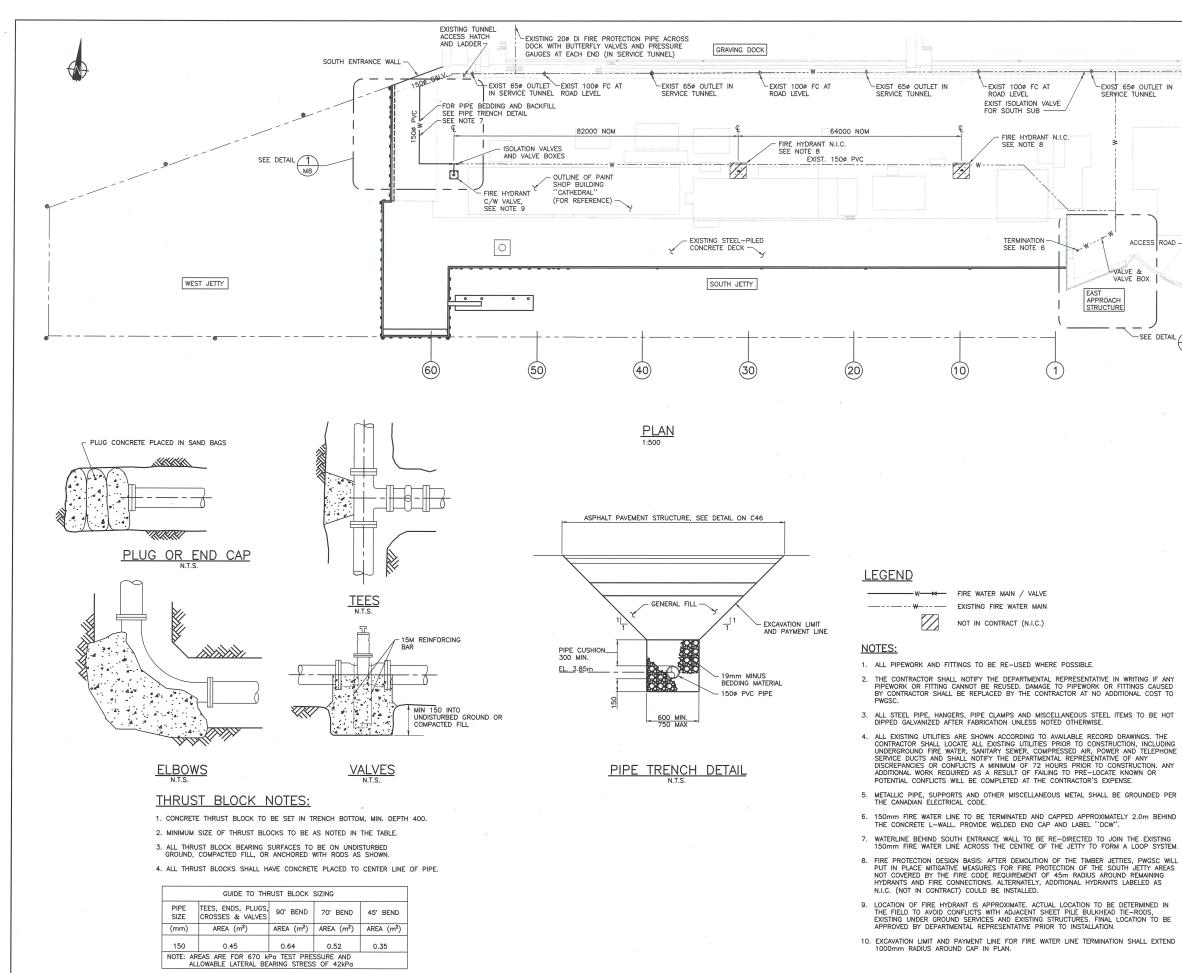


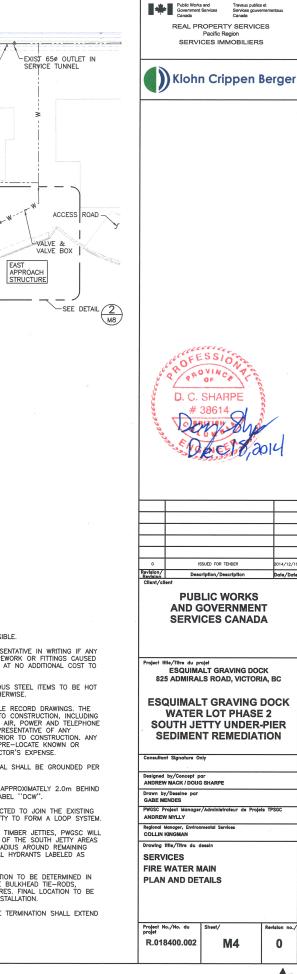
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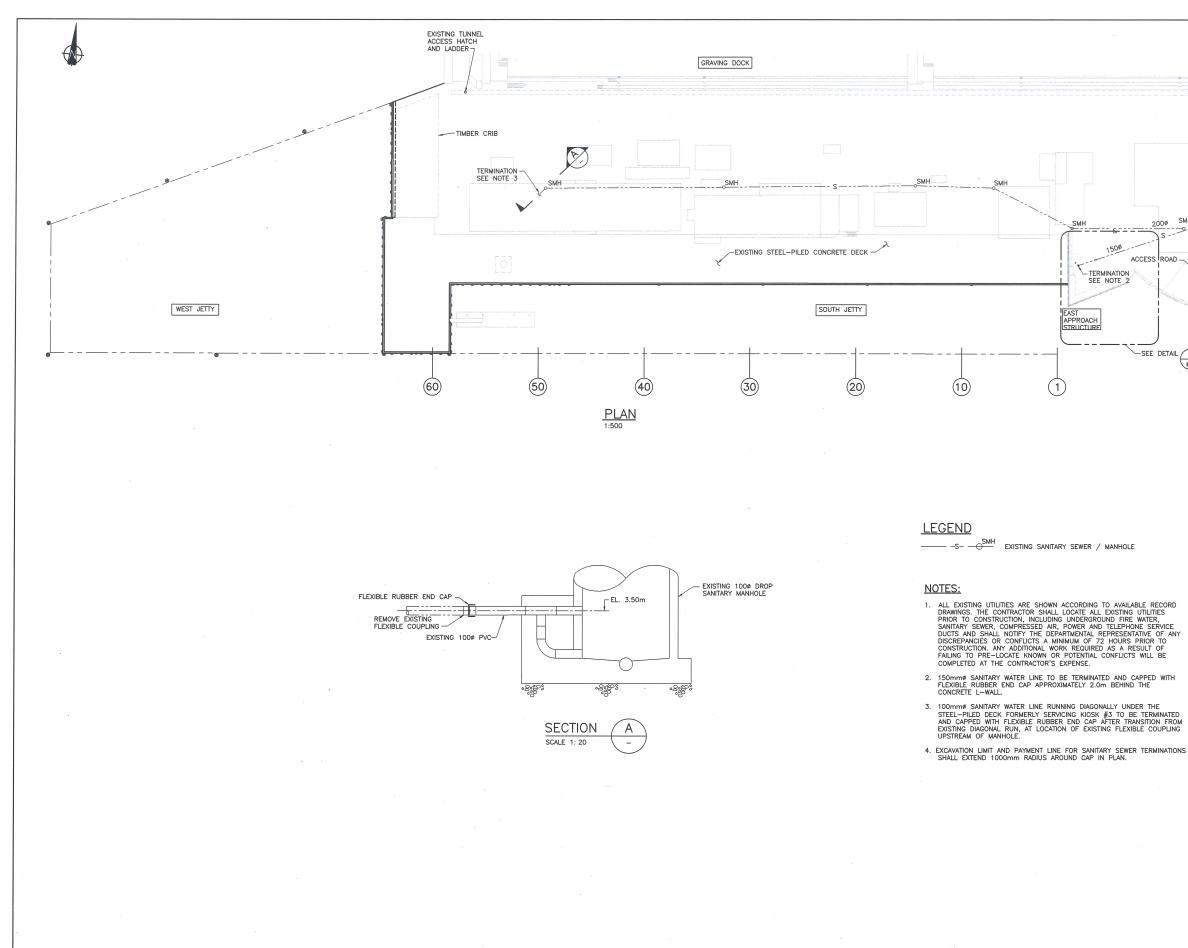


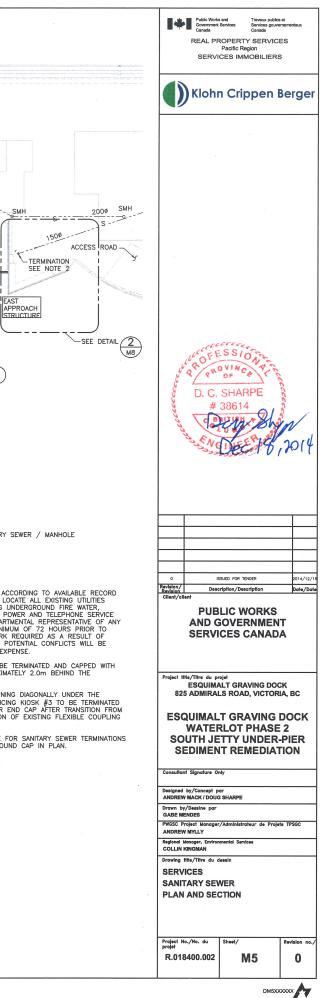


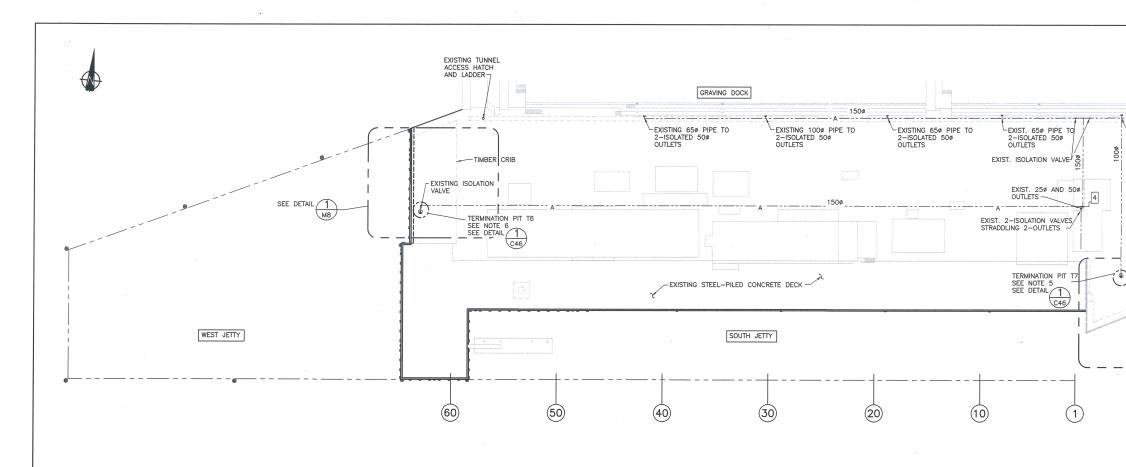
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M4

Travaux publics et Services gouvernementaux Canada







<u>PLAN</u> 1:500

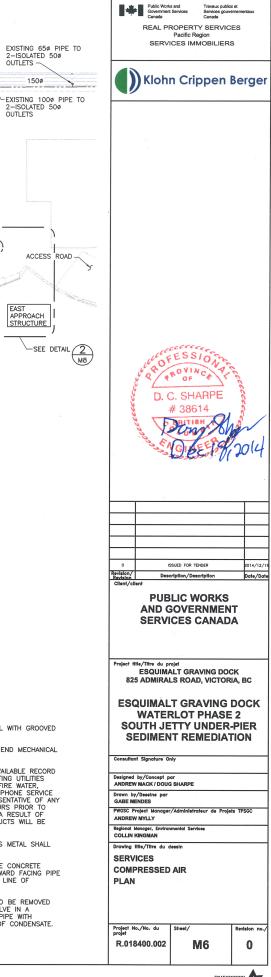
# **LEGEND**

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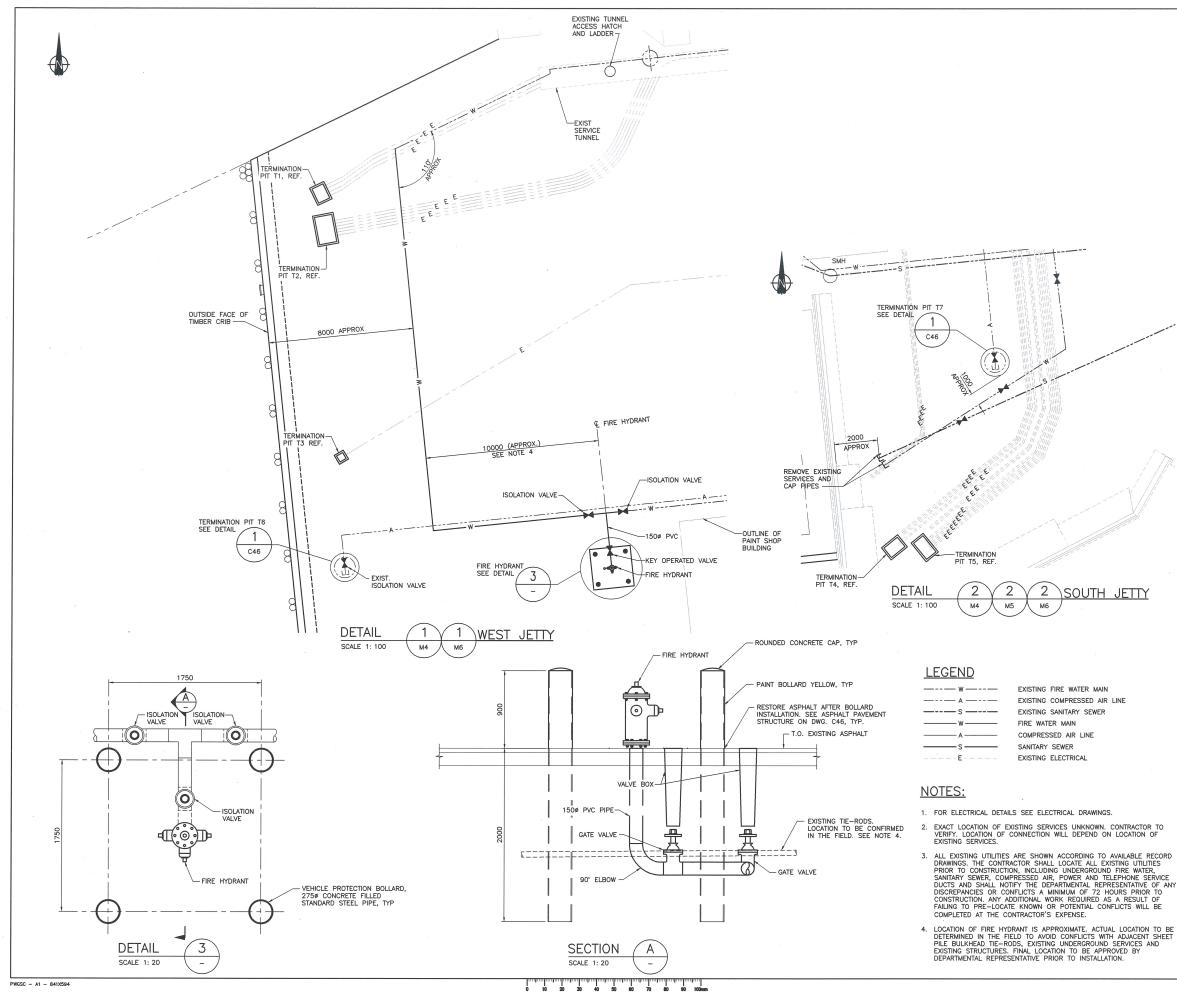
## NOTES:

- 1. SURFACE RUN PIPE TO BE SCH 40 GALVANIZED STEEL WITH GROOVED END MECHANICAL CONNECTIONS.
- BURIED PIPE TO BE SCH 10 316 SS WITH GROOVED END MECHANICAL CONNECTIONS.
- 3. 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 NOTIPY THE DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS A MINIMUM OF 7Z 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.
- 4. METALLIC PIPE, SUPPORTS AND OTHER MISCELLANEOUS METAL SHALL BE GROUNDED PER THE CANADIAN ELECTRICAL CODE.
- AIR LINE TO BE TERMINATED AND CAPPED BEHIND THE CONCRETE L-WALL IN A TERMINATION PIT. INSTALL 13mm DOWNWARD FACING PIPE WITH ISOLATION VALVE AND OPEN END FOR CLEARING LINE OF CONDENSATE.
- 6. AIR LINE THAT CROSSES UNDER STEEL PILED DECK TO BE REMOVED AND CAPPED DOWNSTREAM OF EXISTING ISOLATION VALVE IN A TERMINATION PIT. INSTALL 13mm DOWNWARD FACING PIPE WITH ISOLATION VALVE AND OPEN END OF CLEARING LINE OF CONDENSATE.

PWGSC - A1 - 841X594



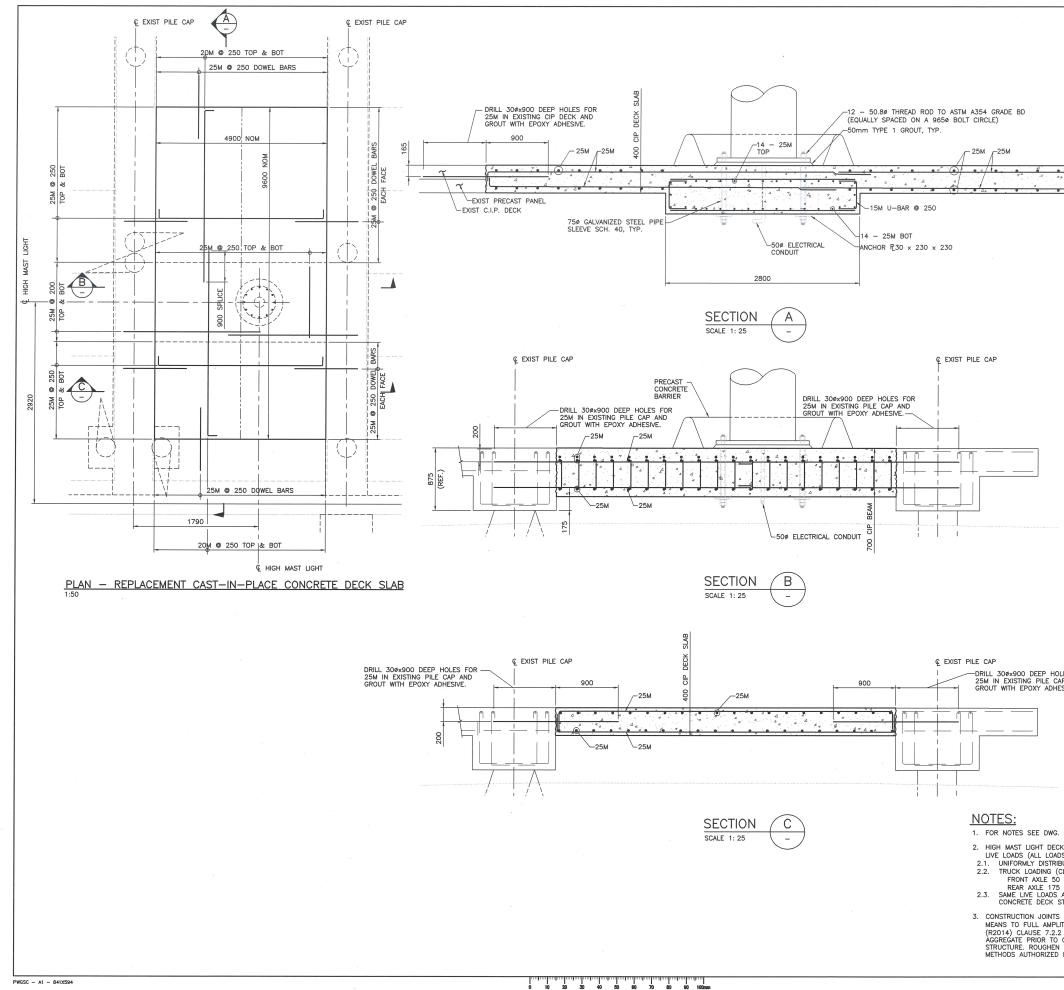
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Public Works and Government Services Canada Canada Canada REAL PROPERTY SERVICES Pacific Regio SERVICES IMMOBILIERS Klohn Crippen Berger ESSI 0F D. C. SHARPE # 38614 Down ISSUED FOR TENDER Description/Descriptio Date/Dat **PUBLIC WORKS** AND GOVERNMENT SERVICES CANADA roject ##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 Signature Only Designed by/Concept par ANDREW MACK / DOUG SHARPE Drawn by/Dessine par GABE MENDES PWGSC Project Manage ANDREW MYLLY Regional Manager, I COLLIN KINGMAN awing title/Titre du des SERVICES FIRE WATER MAIN, SANITARY SEWER AND COMPRESSED AIR DETAILS Project No./No. du R.018400.002 M8 0

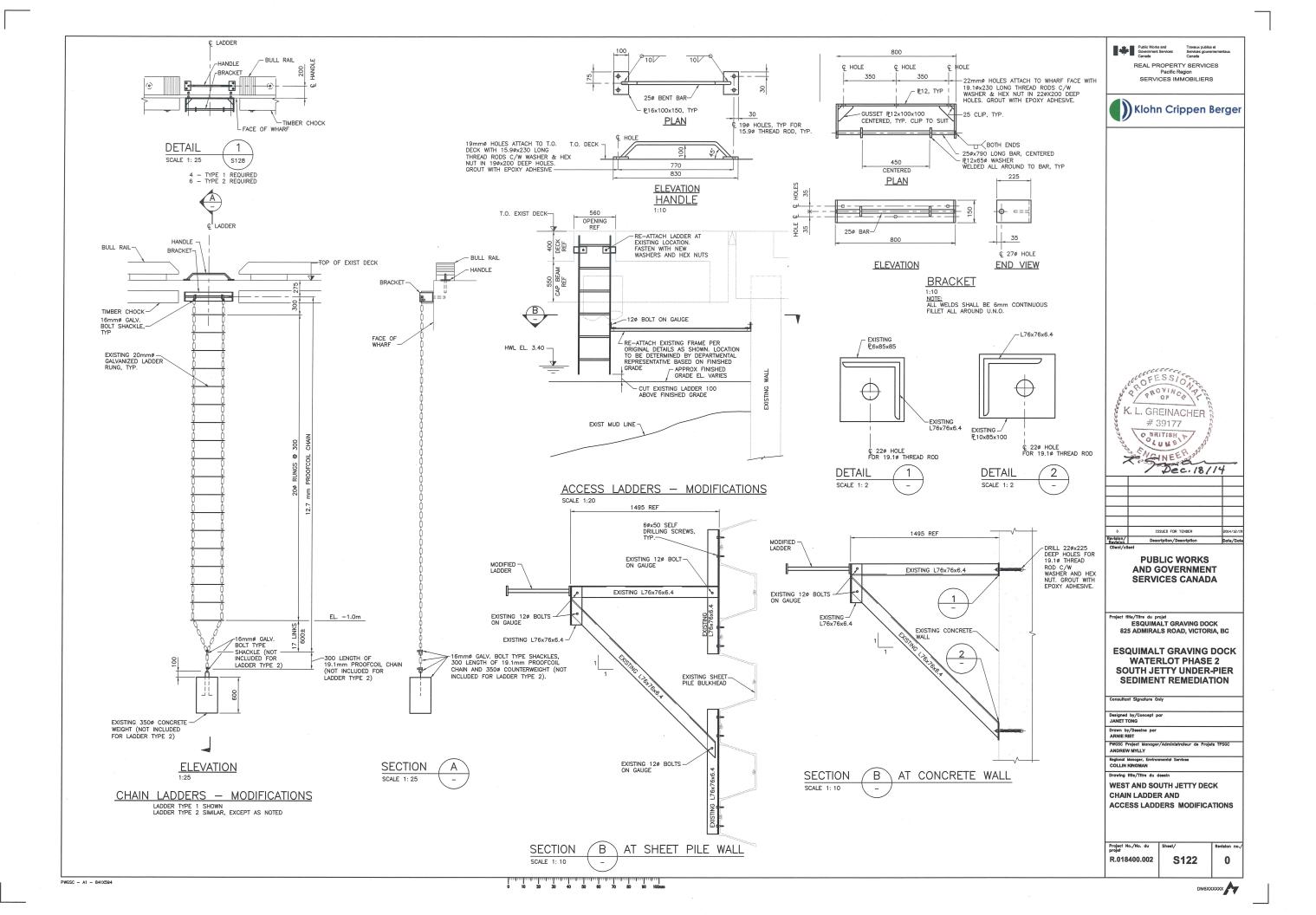
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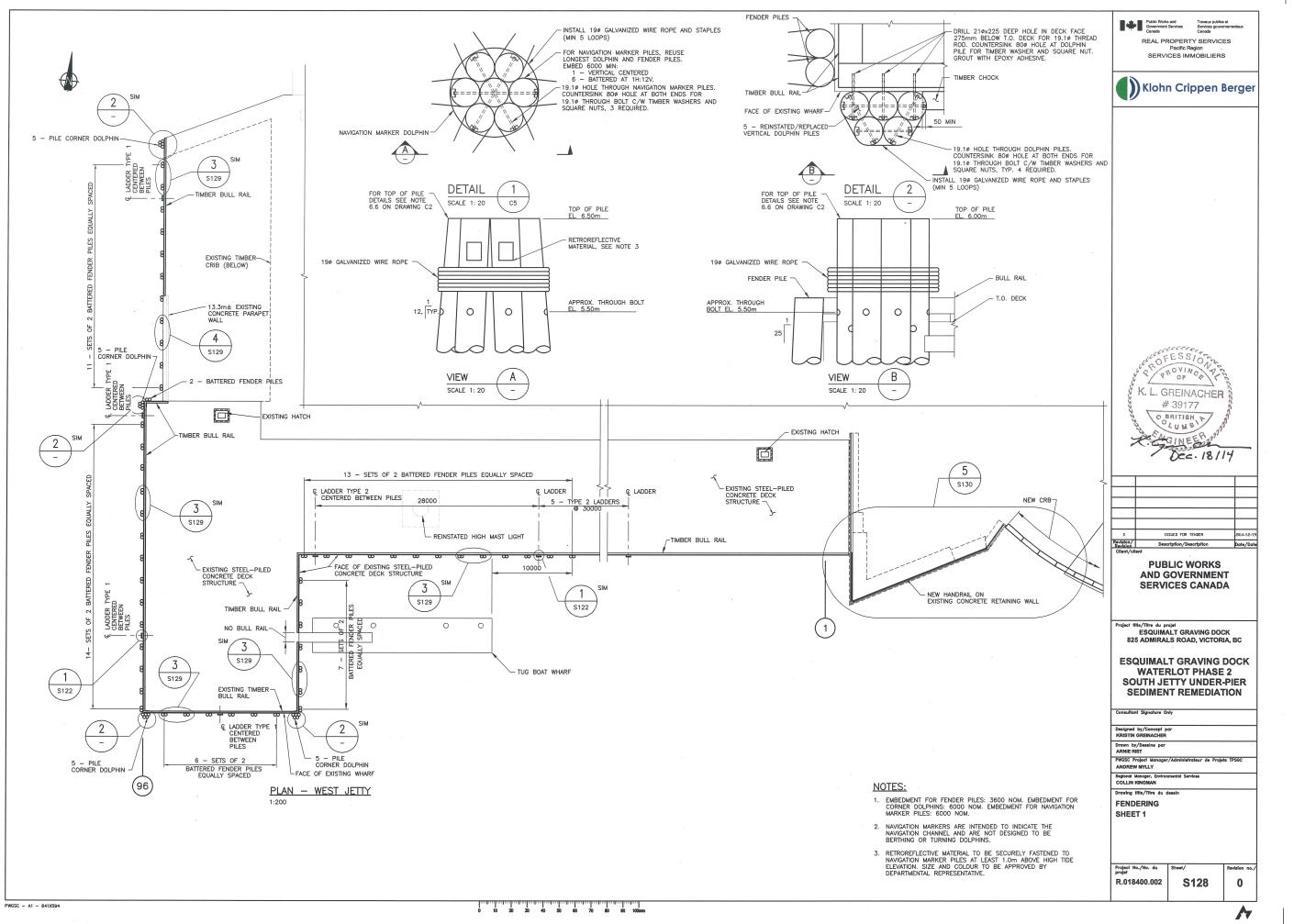
EXISTING COMPRESSED AIR LINE EXISTING SANITARY SEWER

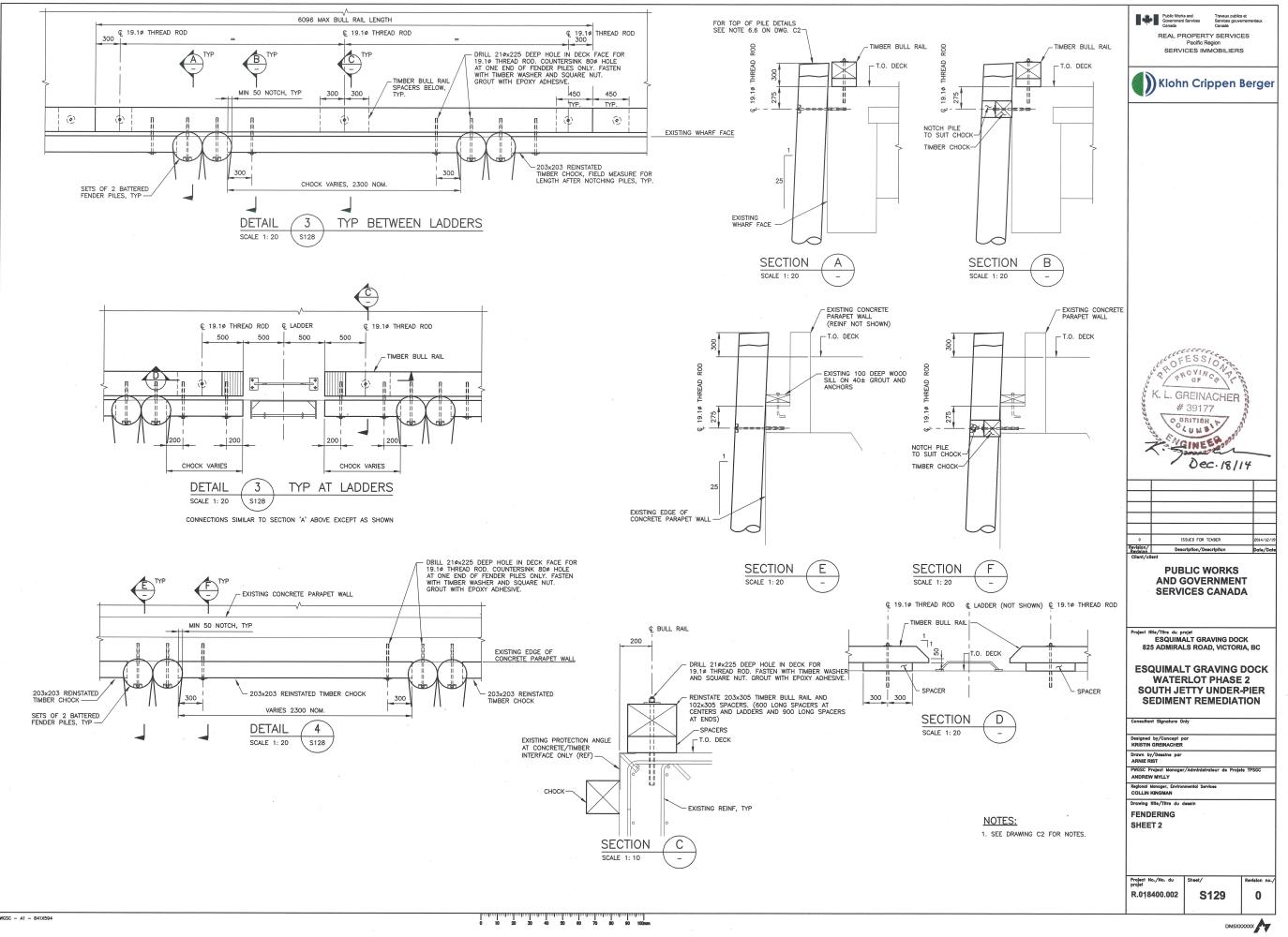


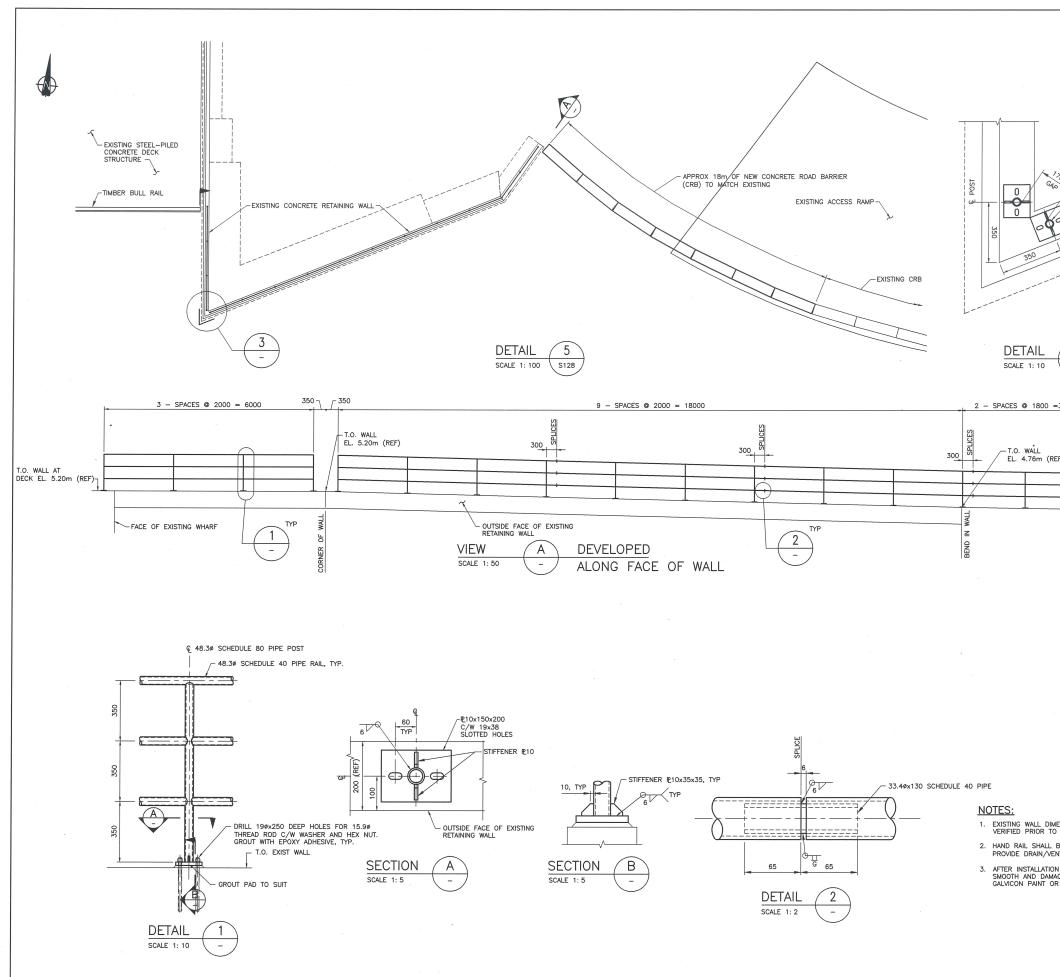
· · · ·		and Travaux public Services Services gouve Canada COPERTY SERVIC Pacific Region CES IMMOBILIER	ES
RILL 300×900 DEEP HOLES FOR		n Crippen I	
5M IN EXISTING CIP DECK AND ROUT WITH EPOXY ADHESIVE.			
EXIST C.I.P. DECK			
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	Revision Desc Revision Desc Client/client PUB AND G	IC WORKS	
FOR ND		Jet LT GRAVING DOO S ROAD, VICTOR	
	ESQUIMAL WATEF SOUTH JE	T GRAVING RLOT PHASE TTY UNDER T REMEDIAT	DOCK 2 -PIER
	Consultant Signature On Designed by/Concept pa DHILEEP ABEYGODA		
	Drawn by/Dessine par ARNIE RIST PWGSC Project Manager, ANDREW MYLLY Regional Manager, Environm		3 TPSGC
SLAB DESIGNED FOR THE FOLLOWING ARE UNFACTORED): IED LOAD (UDL) : 28.7 kPa (600 psf) 625 PER 56-06) N (DISTRIBUTED TO 2 WHEELS) N (DISTRIBUTED TO 2 WHEELS) N (DISTRIBUTED TO 2 PAIRS OF WHEELS) ; ADJACENT EXISTING STEEL PILED UCTURE.	ARNIE RIST PWGSC Project Manager, ANDREW MYLLY	ental Services Issin N	TPSGC
2. SLAB DESIGNED FOR THE FOLLOWING ARE UNFACTORED): TED LOAD (UDL) : 28.7 kPa (600 psf) -625 PER 56-06) N (DISTRIBUTED TO 2 WHEELS) N (DISTRIBUTED TO 2 PAIRS OF WHEELS) S ADJACENT EXISTING STEEL PILED NUCTURE. SHALL BE ROUGHENED BY MECHANICAL UDE OF 5mm TO CAN/CSA-A23.1-09 TO EXPOSE CLEAN AND SOUND ASTING THE SUBSEQUENT PART OF THE SONCRETE SURFACE BY SUITABLE Y DEPARTMENTAL REPRESENTATIVE.	ARNIE RIST PWGSC Project Manager, ANDREW NYLLY Regional Manager, Environm COLLIN KINGNAM Drawing Hille/Tilre du de CONSTRUCTIO	ental Services Issin N	Revision no./

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		and Travaux public Services Services gour Canada ROPERTY SERVIC Pacific Region CES IMMOBILIER	emementaux
	Klohi	n Crippen	Berger
HAND RAIL POST, TYP. RAILS NOT SHOWN FOR CLARITY			
- T.O. WALL EL. 4.70m (REF)	Con	EINACHER 39177	4
END OF RETAINING WALL			
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	Project IIIIe/Titre du pi ESQUIM/ 825 ADMIRAI ESQUIMAL WATEI SOUTH JE	OF CES CANAD	CK JA, BC DOCK 2 -PIER
AND ELEVATIONS SHALL BE FIELD TION OF HAND RAIL. DIP GALVANIZED. FABRICATOR SHALL S IN PIPE SECTIONS AS REQUIRED.	Consultant Signature O Designed by/Concept p KRISTIN GREINACHER Drawn by/Destine par ARNIE RIST PWGSC Project Manager ANDREW MYLLY Regional Manager, Enviror COLLIN KINGMAN Drawing Hile/Thre du c	ar /Administrateur de Proje mentol Services	the TPSGC
LEAN FIELD WELDED EDGES S. TOUCH UP WITH 2 COATS OF ED EQUAL.	HAND RAIL		
	Project No./No. du projet R.018400.002	sheet/ S130	Revision no./

# 0 t0 20 30 40 50 60 70 80 90 100mm

# EXISTING GANGWAY HINGE DETAIL

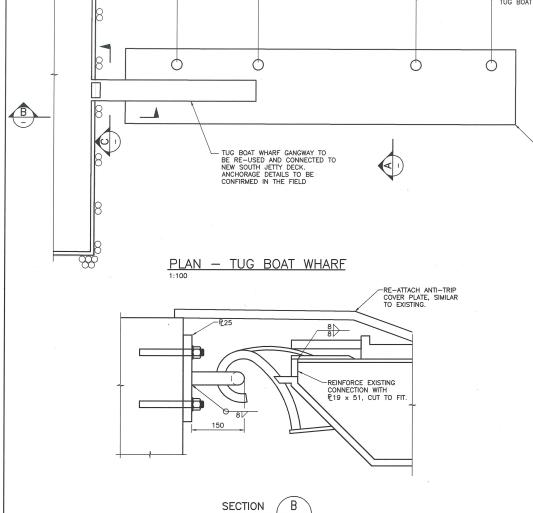




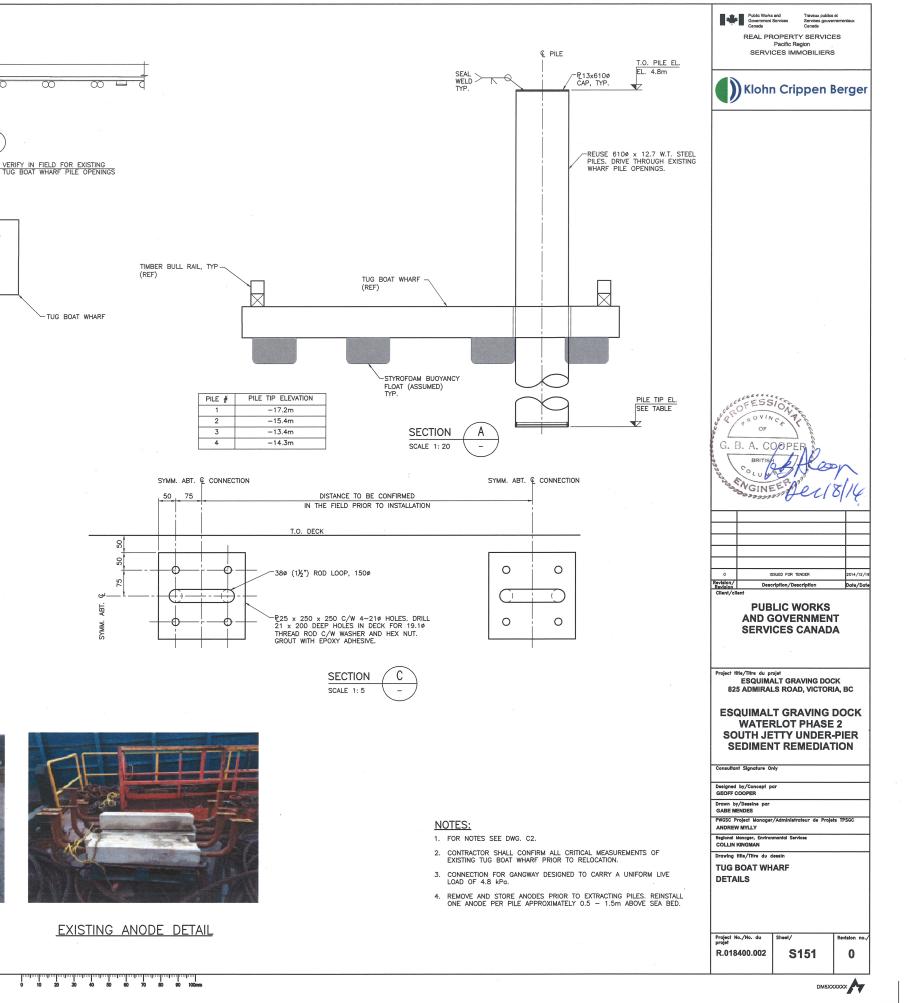


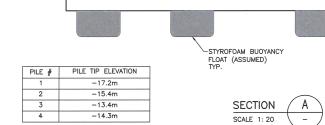


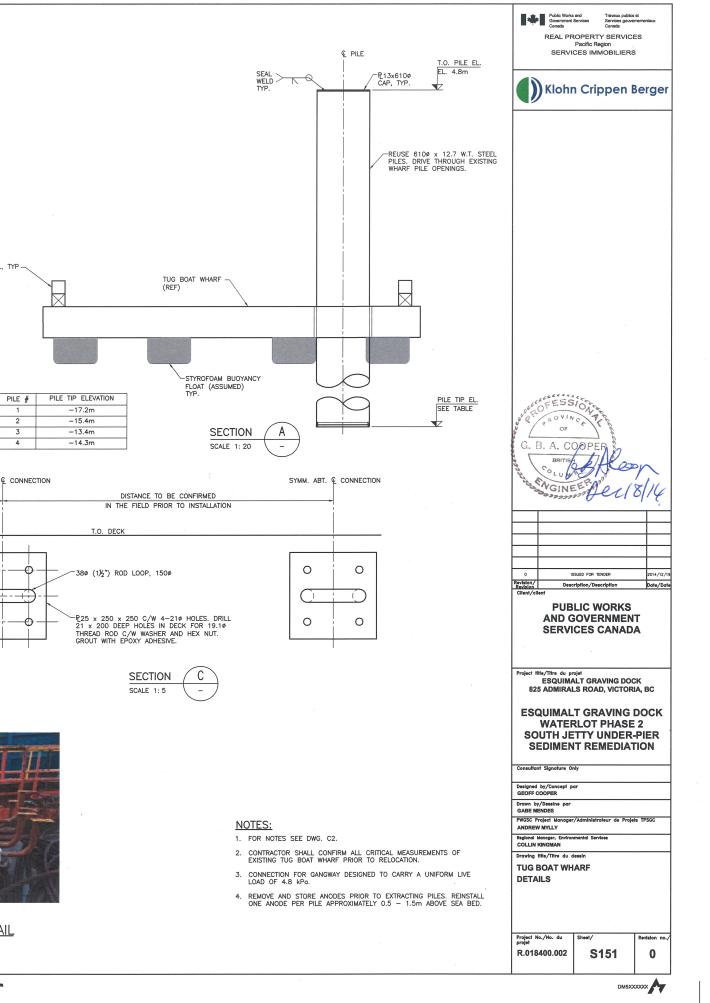
# EXISTING ANODE DETAIL



SCALE 1:5







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