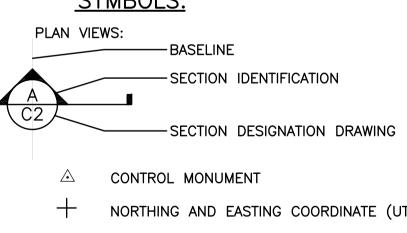


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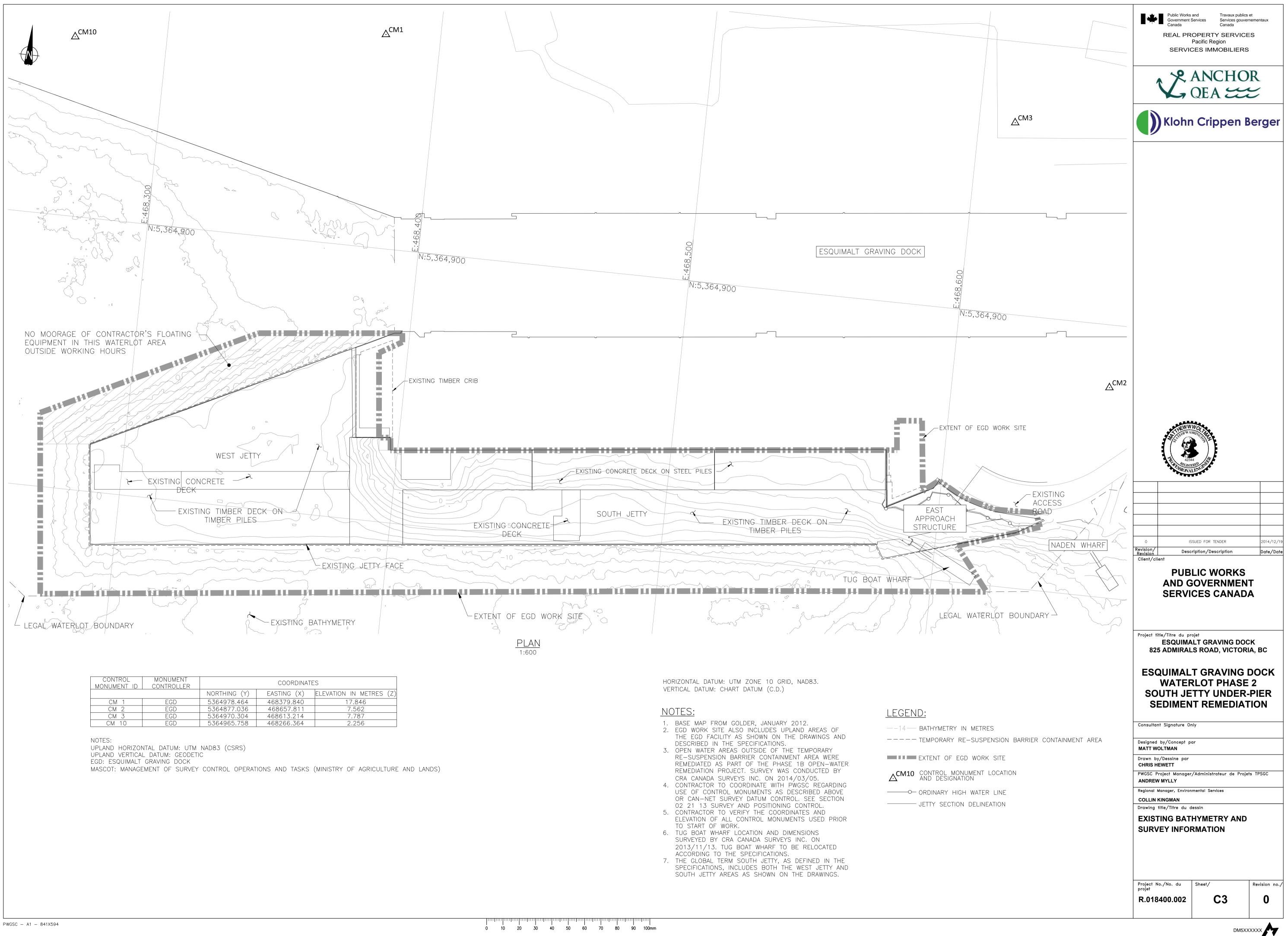
1.15	TYPICAL ABBREVIATIONS:APPROX/~APPROXIMATE(LY)DWGDRAWINGBCBRITISH COLUMBIAEEASTINGBOTBOTTOMEFEACH FACEC/CCENTRE TO CENTREEGDESQUIMALT GRAVING DOCKCTVCLOSED CIRCUIT TELEVISIONEHWLEXTREME HIGH WATER LEVELCDCHART DATUMELELEVATIONC.I.P.CAST IN PLACEEQ SPEQUALLY SPACEDCRBCONCRETE ROAD BARRIEREWEACH WAYCSRSCANADIAN SPATIAL REFERENCE SYSTEMEXP JTEXPANSION JOINTCLCLEARFFFAR FACEC/WCOMPLETE WITHGALVGALVANIZEDCJCONSTRUCTION JOINTHHORIZONTALØDIAMETERHAHECTARESDUDREDGE UNITHWLHIGHER HIGH WATER LEVELQCENTERLINEGALVGALVANIZED	H HA ID INV LLWL LTD. m MAX MIN mm MPa MWL N	HORIZONTAL HECTARES HIGHER HIGH WATER LEVEL INNER DIAMETER INVERT LOWER LOW WATER LEVEL LIMITED METRE MAXIMUM MINIMUM MILLIMETRE MEGAPASCAL MEAN WATER LEVEL NORTHING	NAD NF No. NOM N.T.S. O.D. PROJ PWGSC RAD.,R REF. REINF REQ/REQ'D	NORTH AMERICAN DATUM NEAR FACE NUMBER NOMINAL NOT TO SCALE OUTSIDE DIAMETER PLATE PROJECTION PUBLIC WORKS AND GOVERNMENT SERVICES CANADA RADIUS REFERENCE REINFORCING REQUIRED	REV SIM. SQ STA STD. SS T TBD T.O. T.O.C T.O.R. TRB TRBCA	REVISION SIMILAR SQUARE STATIONING STANDARD STAINLESS STEEL TOP TO BE DETERMINED TOP OF TOP OF CONCRETE TOP OF CONCRETE TOP OF RAIL TEMPORARY RESUSPENSION BARRIER TEMPORARY RESUSPENSION BARRIER CONTAINMENT AREA	TYP U.N.O. U/S TYP. UHMW UTM V X Y Z	TYPICAL UNLESS NOTED OTHERWISE UNDER SIDE TYPICAL ULTRA HIGH MOLECULAR WEIGHT UNIVERSAL TRANSVERSE MERCAT VERTICAL EASTING NORTHING ELEVATION IN METRES
1.15	EGD LOAD RATING LAYOUT, SKETCH 2 (KM ENGINEERING GROUP INC. 2005), SUPPLEMENTED BY MORE RECENT RECORD DRAWINGS FOR WEST/SOUTH CRANE PAD REHABILITATION WORKS. TYPICAL ABBREVIATIONS:	6.11.	FOR 16 DIAMETER: 85x8 FOR 1 DIAMETER BOLTS. POLYURETHAN WASHERS. LAG BOLTS SHALL CONFORM TC	E MASTIC SHA	LL BE PLACED UNDER ALL				
1.14.	1 THRUSTER – 5m FROM WALL B.) SEASPAN HAWK 10% POWER 2 THRUSTERS – 15m FROM WALL FOR ALLOWABLE DECK LOADS, SEE APPENDIX TO THE SPECIFICATIONS.	6.10.	BOLTS IN TIMBERS AND PILES I THREADED CONFORMING TO AST PROVIDED AT BOTH NUT AND B MALLEABLE IRON, OGEE, OR RO PLATE WASHERS, WASHER DIAME FOR 16 DIAMETER: 85x8 FOR 1	M A307 GRAE DLT HEAD. W/ JND PLATE W TER BY THICI	E C. WASHERS SHALL BE SHERS SHALL BE ASHERS. FOR ROUND (NESS SHALL BE 70X6				riangle Control Monument + Northing and Easting C
1.13.	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	6.9.	SWABBED INTO THE HOLE AND TO INSTALLATION. BOLTS IN TIMBERS AND PILES S A WHEREVER STANDARD BOLT L TIGHTENED FROM THE NUT END	HALL CONFO	RM TO ASTM A307 GRADE			A C2	SECTION DESIGNAT
·	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 A TEMPORARY STRUCTURE.	6.8.	HOLES AND TO RE-USED HOLE HOLES AND UNUSED BOLT HOL PLUGGED FULL LENGTH WITH TA HARDWOOD DOWELS. COPPER N	S. ES IN EXISTIN PERED TIGHT APHTHENATE	G PILES SHALL BE FITTING TREATED SHALL BE POURED OR			F	SYMBOLS: PLAN VIEWS: BASELINE SECTION IDENTIFIC
1.11. 1.12.	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	6.7.	ALL BOLT HOLES THROUGH TIM COATS OF NAPHTHENATE PRIOR	CRIMPED AN ING NAILS. BER PILES SH	O TURNED DOWN AND ALL BE TREATED WITH 2				
	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.	6.6.	THE TOPS OF THE REINSTATED CUT AT 1 VERTICAL TO 5 HORI CAPPING. THE CUT FACE SHALL NAPHTHENATE AND ONE COAT C THICK. THE PILE TOP SHALL TH 0.8mm (22 GAUGE) ANNEALED 150mm WIDER THAN THE DIAME	CONTAL TOWAI BE TREATED F TROWEL M/ EN BE COVER CORROSION F	RDS THE WATER PRIOR TO WITH 2 COATS OF COPPER STIC AT LEAST 6mm ED WITH A SHEET OF ESISTANT ALUMINUM CUT				
1.10.	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	6.5.	SAWN TIMBER SHALL BE NO. 1 PRESSURE TREATMENT OF TIMBI CSA-080 SERIES-08 (R2012).	R SHALL BE	IN ACCORDANCE WITH				
	HIGH MAST LIGHT 75 YEARS BULL RAIL 20 YEARS SAFETY LADDERS 20 YEARS FENDER PILES 20 YEARS HAND RAIL 20 YEARS	6.3.	DIMENSIONS TO AND OF EXISTIN REFERENCE DRAWINGS AND REG CONTRACTOR.	UIRE SITE CC	NFIRMATION BY THE				
	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 IS:	6.2.	ALL TIMBER WORK SHALL CONF REPORT GUIDELINES TO PROTEC TREATED WOOD USED IN AQUAT REGION AND GOOD MARINE TIME	ORM TO CSA T FISH AND I C ENVIRONME	086.01, DFO TECHNICAL ISH HABITAT FROM NTS IN THE PACIFIC				
1.8. 1.9.	FOR CONTROL MONUMENT INFORMATION SEE DRAWING C3. THE SOUTH JETTY REMEDIATION WORKS HAVE BEEN DESIGNED FOR	6. _{6.1.}	TIMBER AND TIMBER F		ISE ON THE DRAWINGS				
	TO CONVERT FROM PWGSC DATUM TO CHART DATUM, ADD 0.124m.	5.3.	EXPOSED METALWORK TO BE G	ROUNDED PER	SPECIFICATION 26 05 27.				
	TO CONVERT FROM GEODETIC DATUM TO CHART DATUM, ADD 1.871m. TO CONVERT FROM GEODETIC DATUM TO PWGSC DATUM, ADD 1.747m.	5.2.	CONCRETE ANCHOR RODS	GALVANIZED,	ASTM A193 GRADE B7				
1.7.	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 LLWL; LLWL IS 0.124m BELOW PWGSC DATUM 0.0; LLWL IS 1.871m BELOW GEODETIC ELEVATION.		REQUIREMENTS, AND CAN/CSA GRADES OF MATERIAL, UNLES STRUCTURAL STEEL AND MISC BOLTS, NUTS AND WASHERS ANCHOR BOLTS	S NOTED OTH					
	LOWER LOW WATER LEVEL (LLWL) 0.1m EXTREME LOW WATER LEVEL -0.5m	5.1.	STRUCTURAL STEEL SHALL MEET	CAN/CSA G	0.20–04 FOR GENERAL				
	MEAN WATER LEVEL (MWL) 1.9m	5.	STRUCTURAL STEEL AN	·					
	HIGHER HIGH WATER LEVEL (HHWL) 3.4m	4.4.	CONCRETE COVER FOR REINFOR TOP SURFACES OF JETTY ALL OTHER CONCRETE FAC	STRUCTURES	Г—IN—PLACE): mm 70 70				
1.0.	EXTREME HIGH WATER LEVEL (EHWL) 3.8m	- •	EXCEPT WHERE CONCRETE COVI SHOWN.						
1.6.	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. TIDE ELEVATIONS (CHART DATUM):	4.3.	DE	NOTES BOTTO NOTES TOP E	M BARS. ARS.				
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	4.2.	DESIGNATION OF REINFORCING E 3–10M0800 MEANS THREE 1 MEANS TWO 20M BARS, EACH ON EACH END AND A TOTAL	ARS: OM BARS 800 WITH A 90	DEGREE STANDARD HOOK				
1.4.	ANY DISCREPANCIES OR POTENTIAL CONFLICTS TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE. REFERENCE DRAWINGS ARE LISTED IN THE SPECIFICATIONS. CONTRACTOR SHALL COMPLETE PRE-CONSTRUCTION SURVEY TO MEET	4. 4.1.	CONCRETE REINFORCEN REINFORCING BARS SHALL BE U CONFORMING TO CAN/CSA G30. A615 GRADE 75 WHERE INDICA	NCOATED BIL 18–09, 400					
1.3.	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	3.4.	CONCRETE SHALL HAVE COMPREDAYS. ALL EXPOSED EDGES SHALL HA	VE 20mm C⊦					
1.2.	SHALL GOVERN. DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.ELEVATIONS ARE IN METRES, CHART DATUM.	3. 3.3.	CONCRETE: ALL DECK SLAB CONCRETE AT COMPRESSIVE STRENGTH OF 45						
1.1.	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	2.1.	SEE SPECIFICATIONS FOR DESIG TEMPORARY RE-SUSPENSION B		NTS REGARDING				
	<u>GENERAL NOTES:</u>	۷.	TEMPORARY RE-SUSPE	<u>INSION E</u>	BARRIERS:				



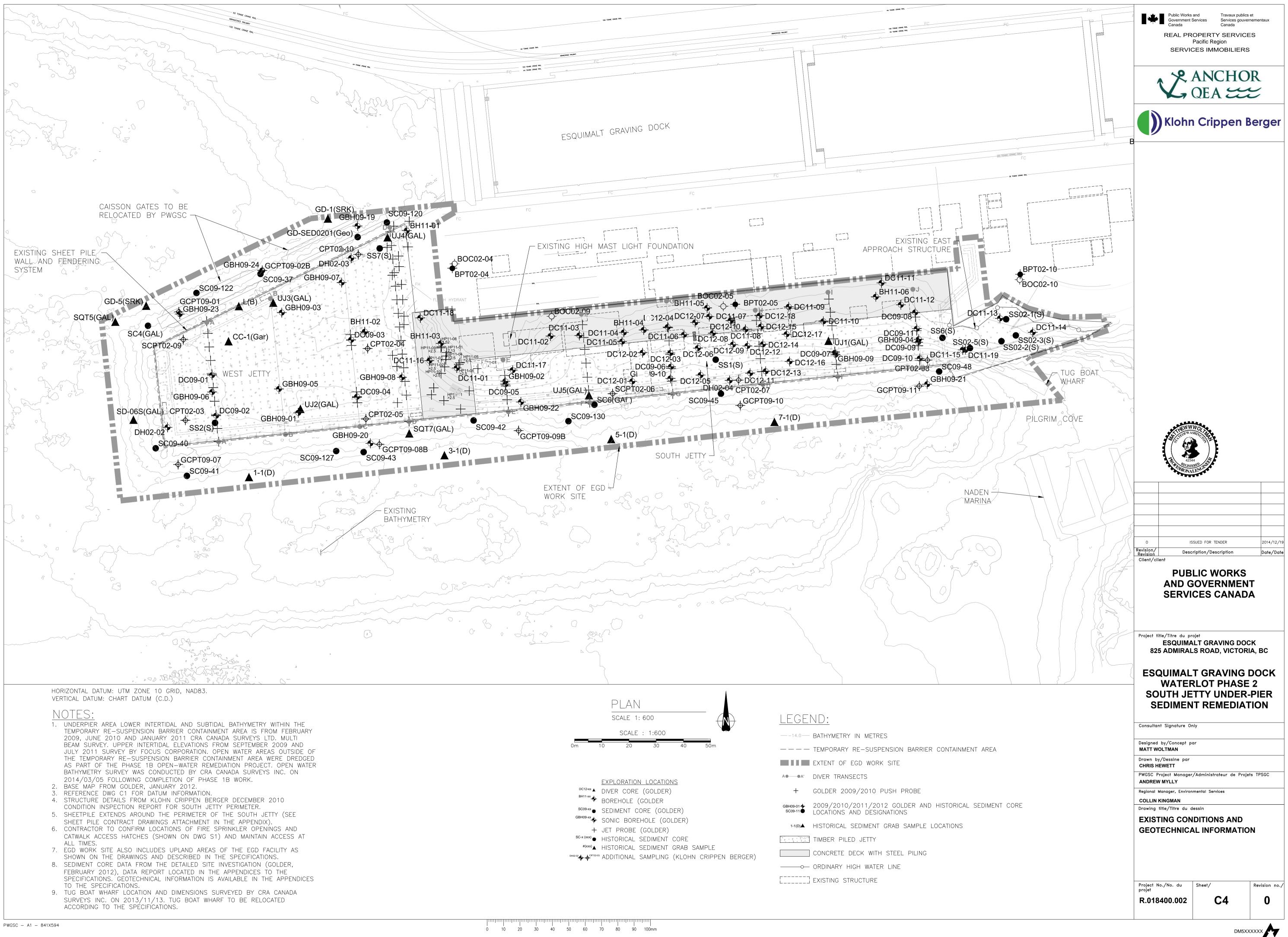
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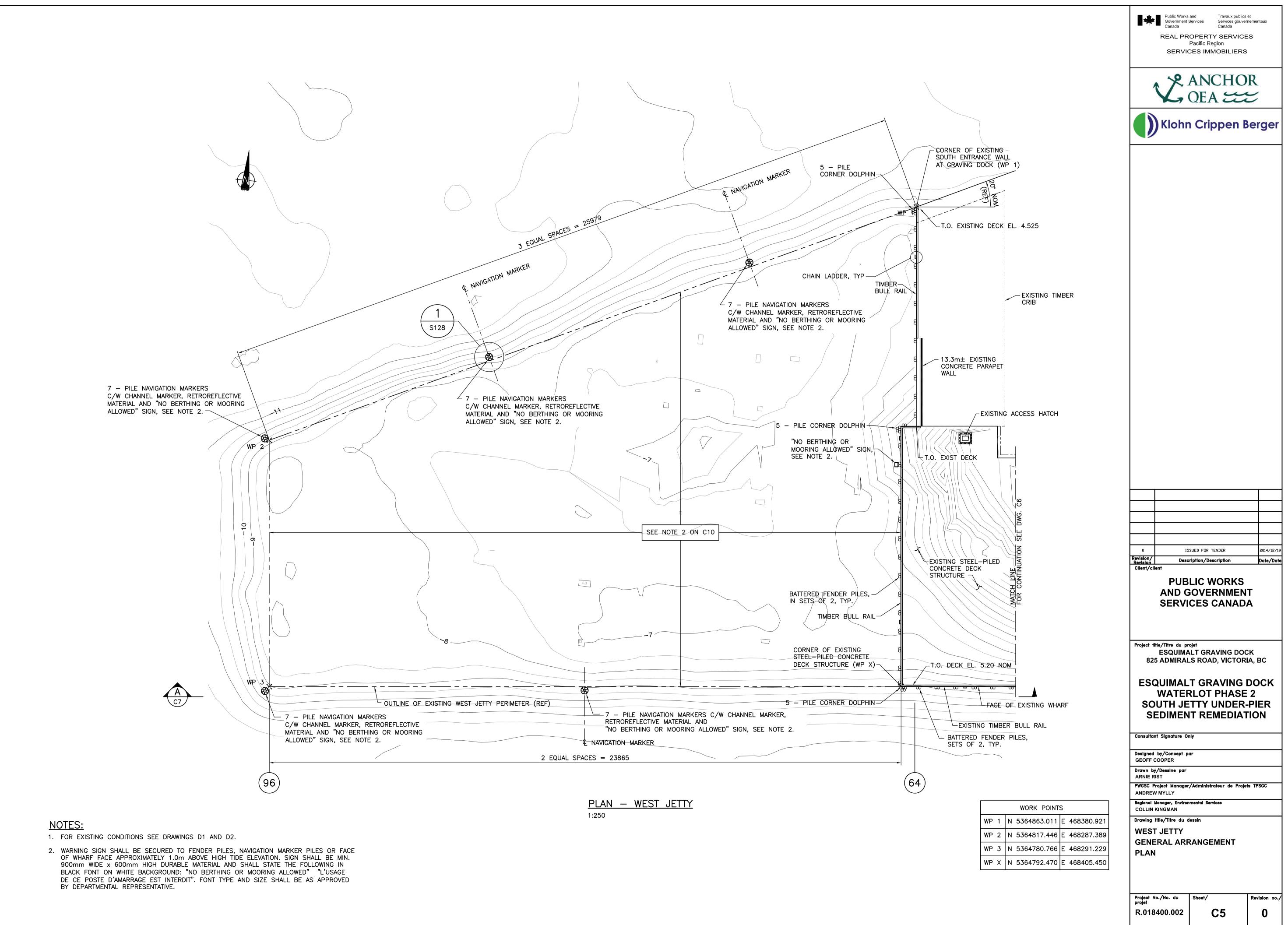
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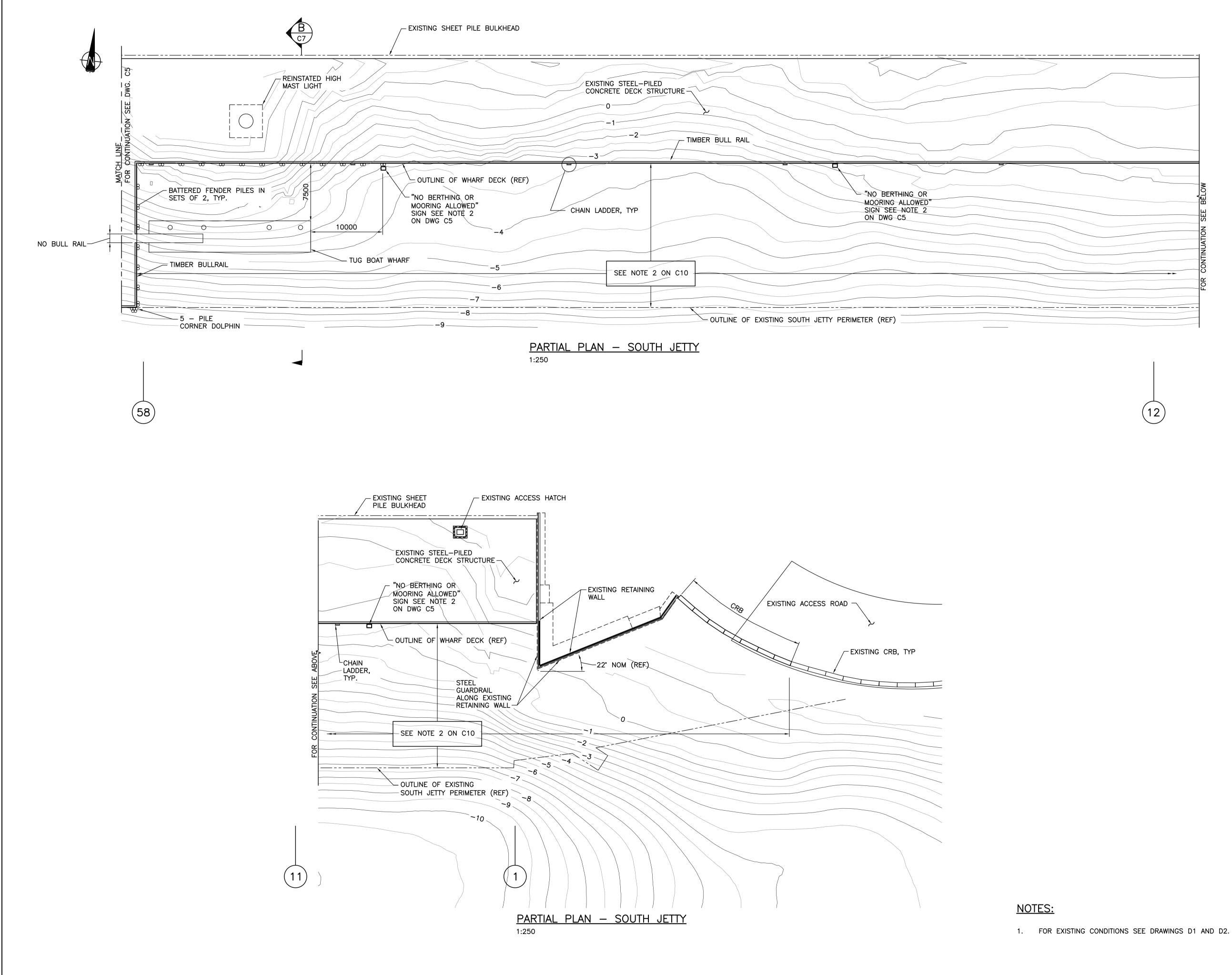


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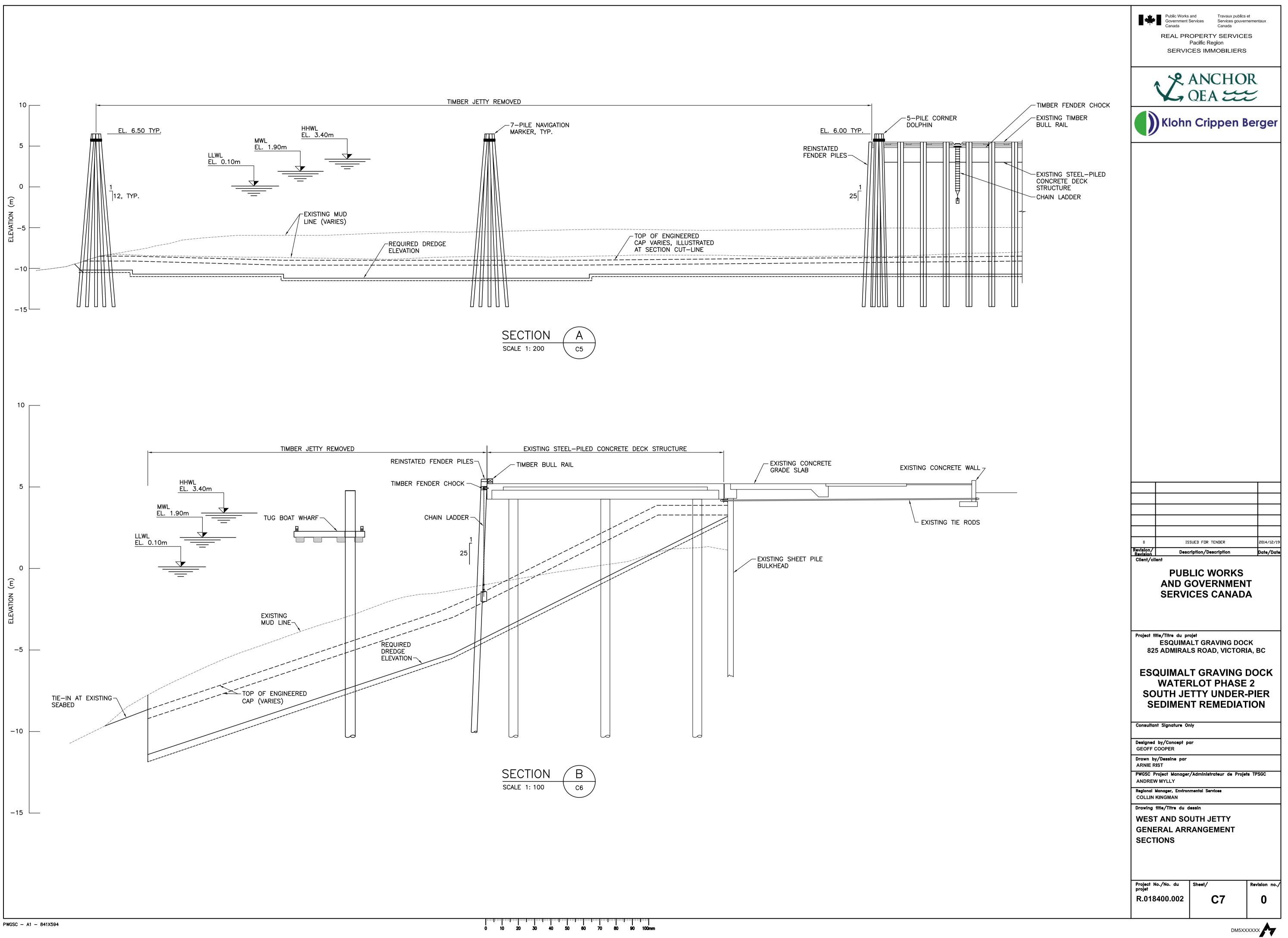
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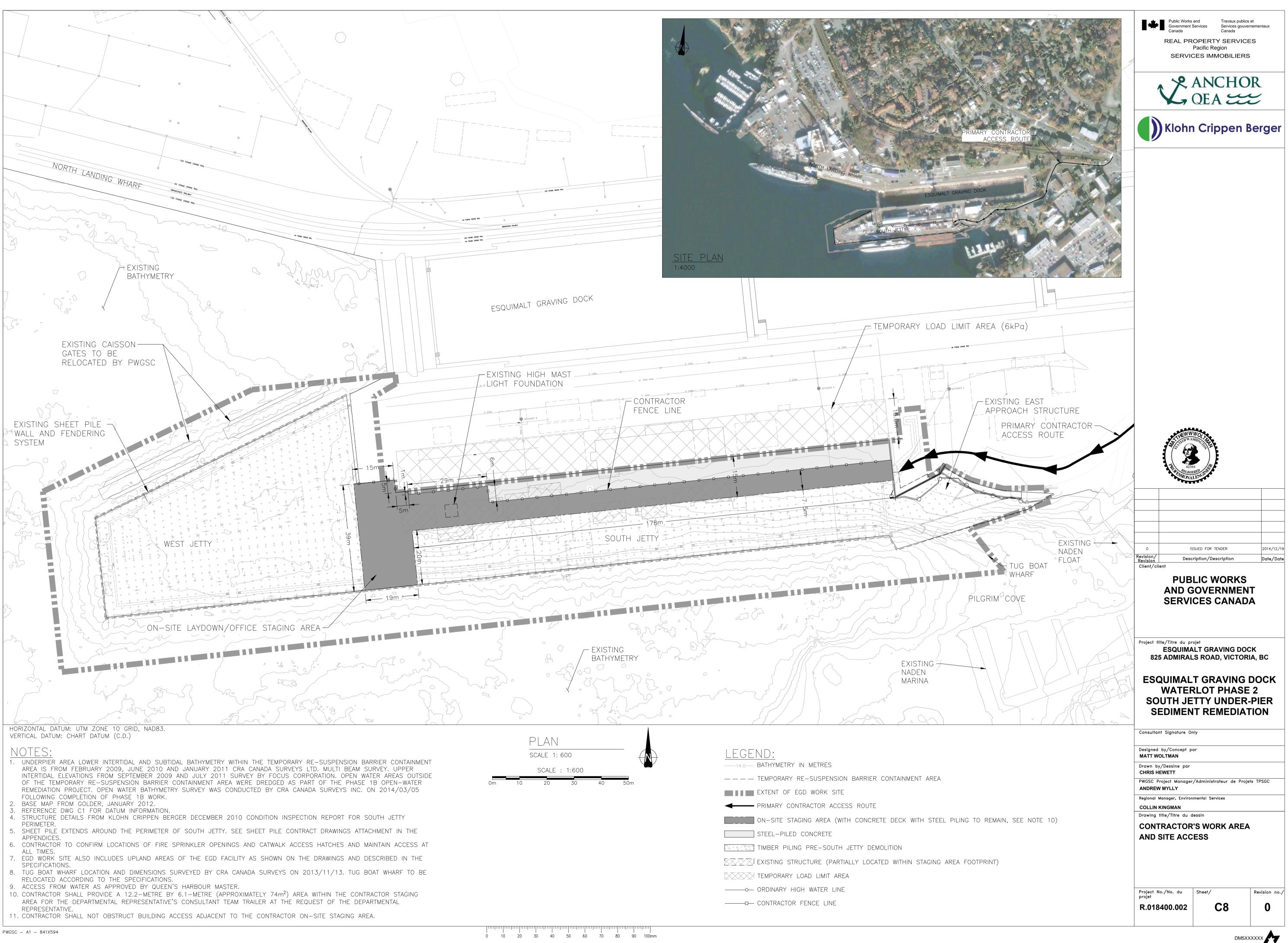
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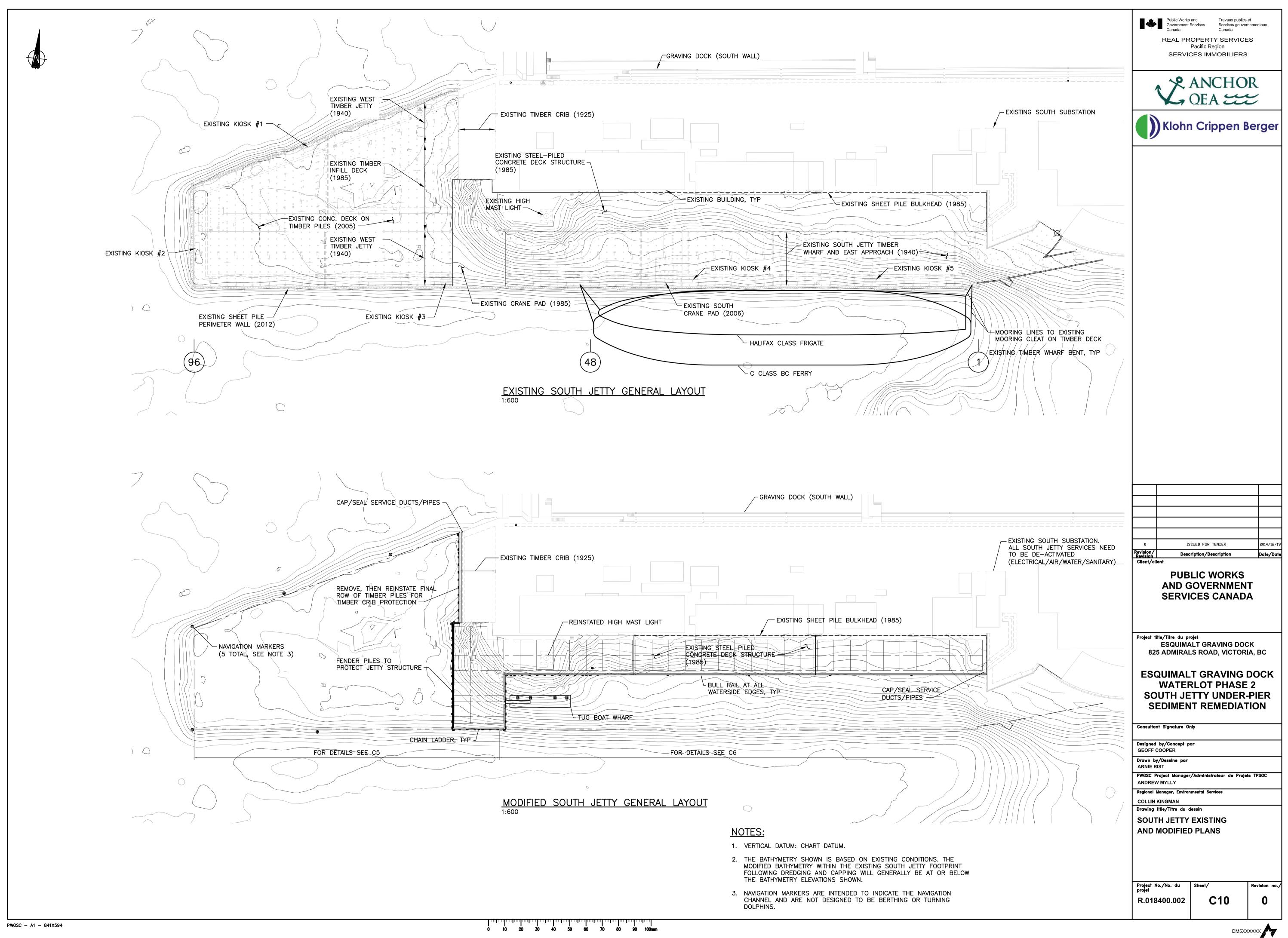




PHOTO C14-01 SOUTH JETTY SHEET PILE WALL - NOTE SMALL BOAT ACCESS OPENING





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

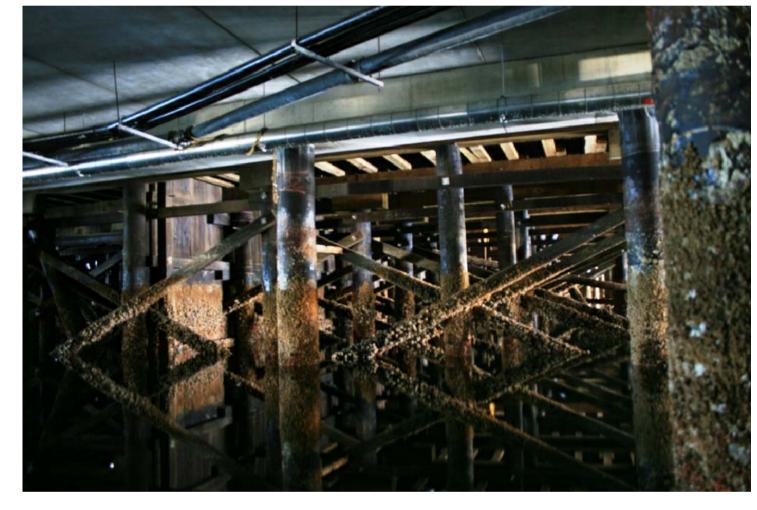


PHOTO C14-05 STEEL PILED CONCRETE DECK NEXT TO TIMBER PILED WEST JETTY - NOTE TIMBER FIRE STOP WALL AND CROSS-BRACING



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



PHOTO C14-08 STORMWATER OUTFALL AT SHEET PILE BULKHEAD

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



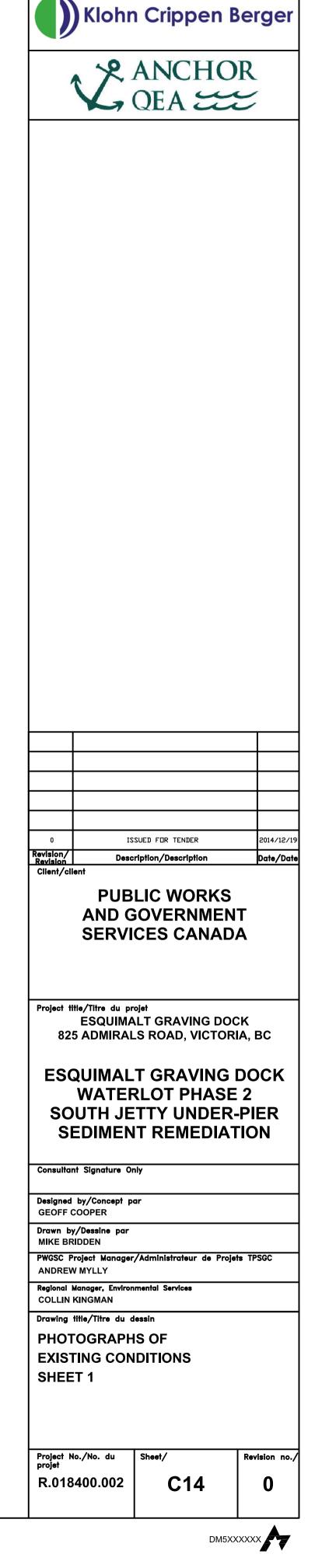
PHOTO C14-06 PAINTED SHEET PILE BULKHEAD - NOTE CATHODIC PROTECTION AND REMNANTS OF LOWER SHEET PILING (TIDE APPROX. EL+1.0M)





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





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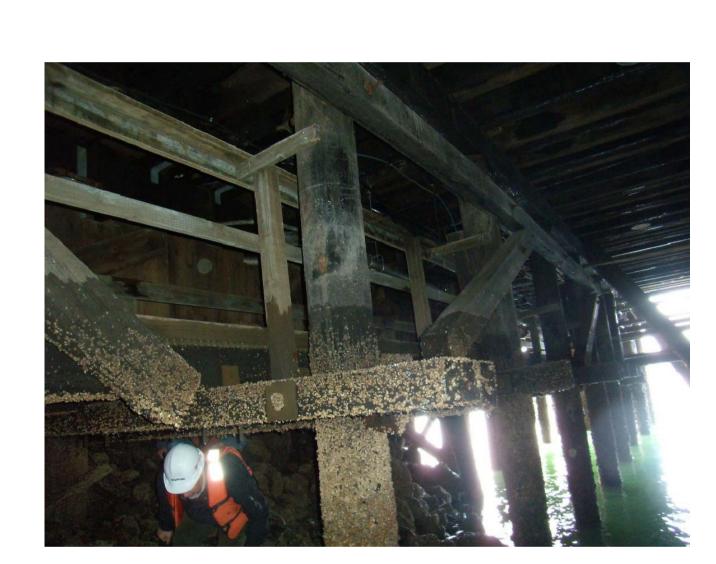


PHOTO C15-01 TIMBER PILED JETTY AT EAST APPROACH - NOTE RIPRAP FORESHORE SLOPE





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



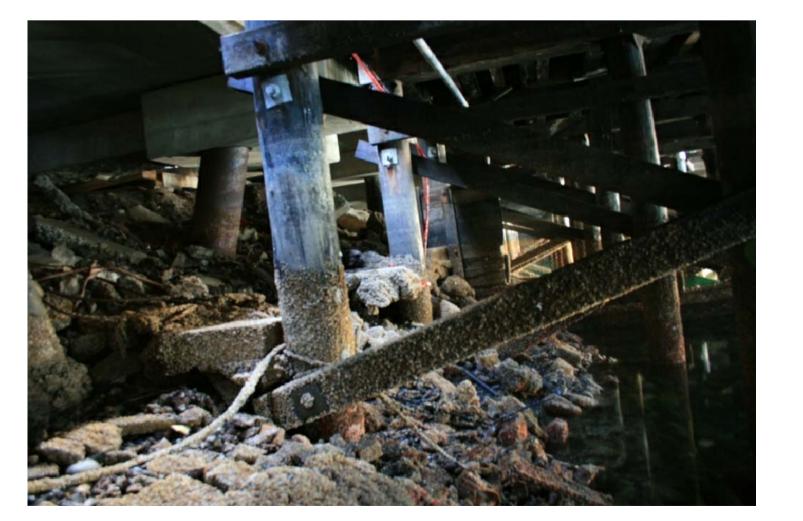


PHOTO C15-06 TIMBER PILED JETTY AT INTERFACE WITH STEEL PILED DECK- NOTE RIPRAP ON FORESHORE AND MISCELLANEOUS CONCRETE FOOTINGS



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

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

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



PHOTO C15-03 TIMBER PILED JETTY TIMBER CRIB LOOKING SOUTH - NO FENDERING AT FACE OF TIMBER CRIE



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

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	Consultant Signature Only
	Designed by/Concept par GEOFF COOPER Drawn by/Dessine par
	MIKE BRIDDEN PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY
	ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN
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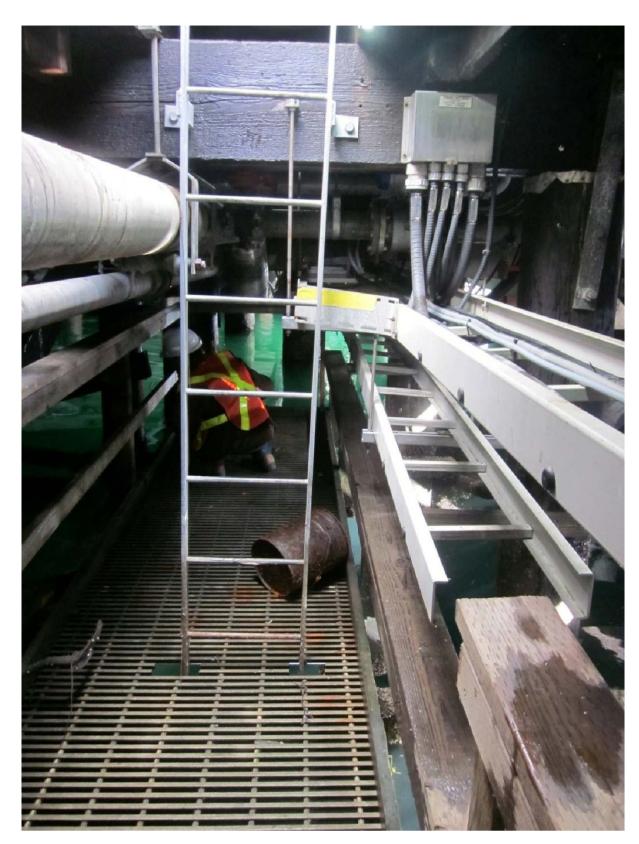


PHOTO C16-01 SOUTH JETTY CATWALK LADDER ACCESS AND CABLING LAYOUT



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







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

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

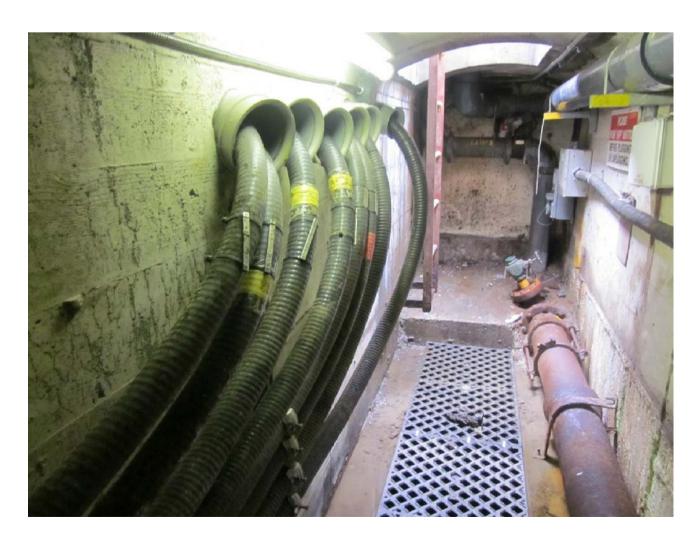
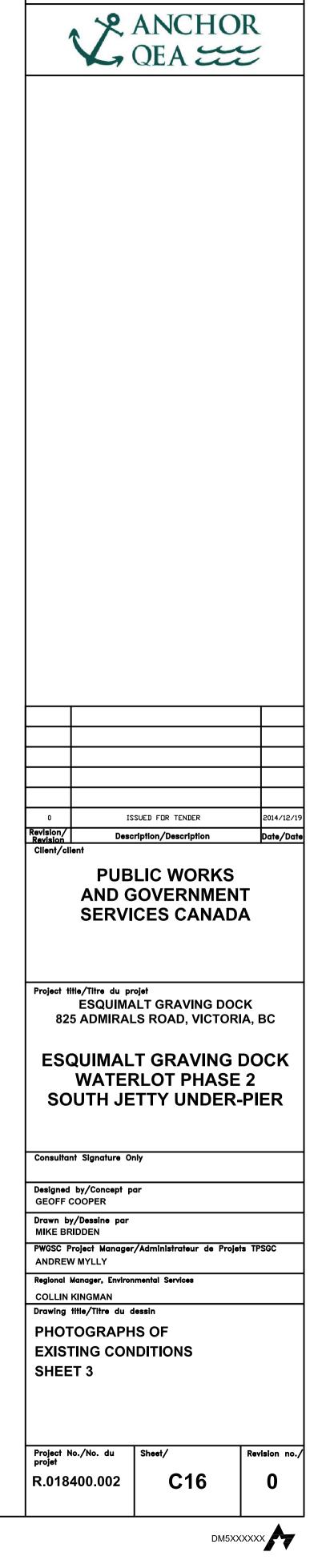


PHOTO C16-08 ELECTRICAL CABLING IN DOCK SERVICE TUNNEL (AT TUNNEL END, JUST EAST OF TIMBER CRIB)



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REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS

Klohn Crippen Berger



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

PHOTO C17-04 FORESHORE FILL MOUND UNDER STEEL PILED

CRANE PAD - LOOKING WEST







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



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

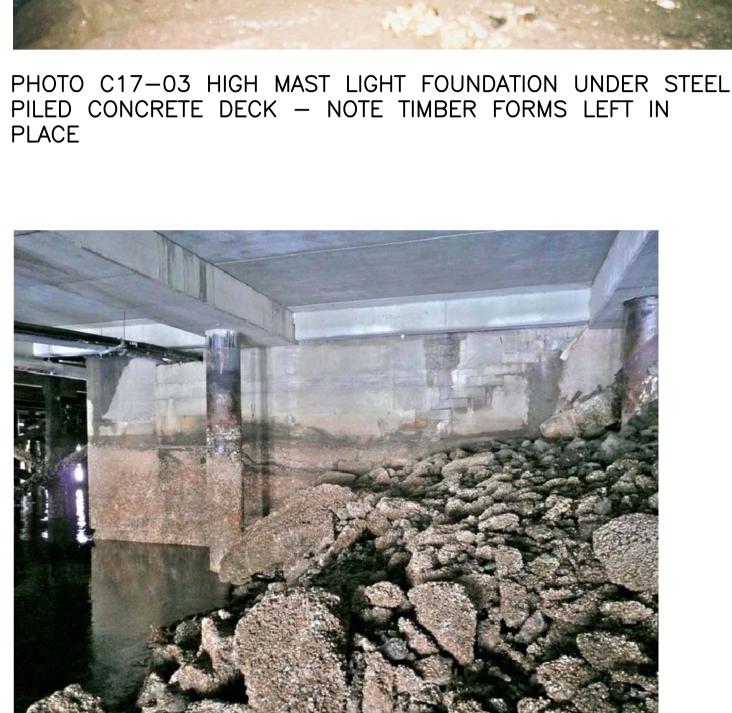


PHOTO C17-06 SOUTH FACE OF TIMBER CRIB AND RIPRAP FORESHORE SLOPE



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



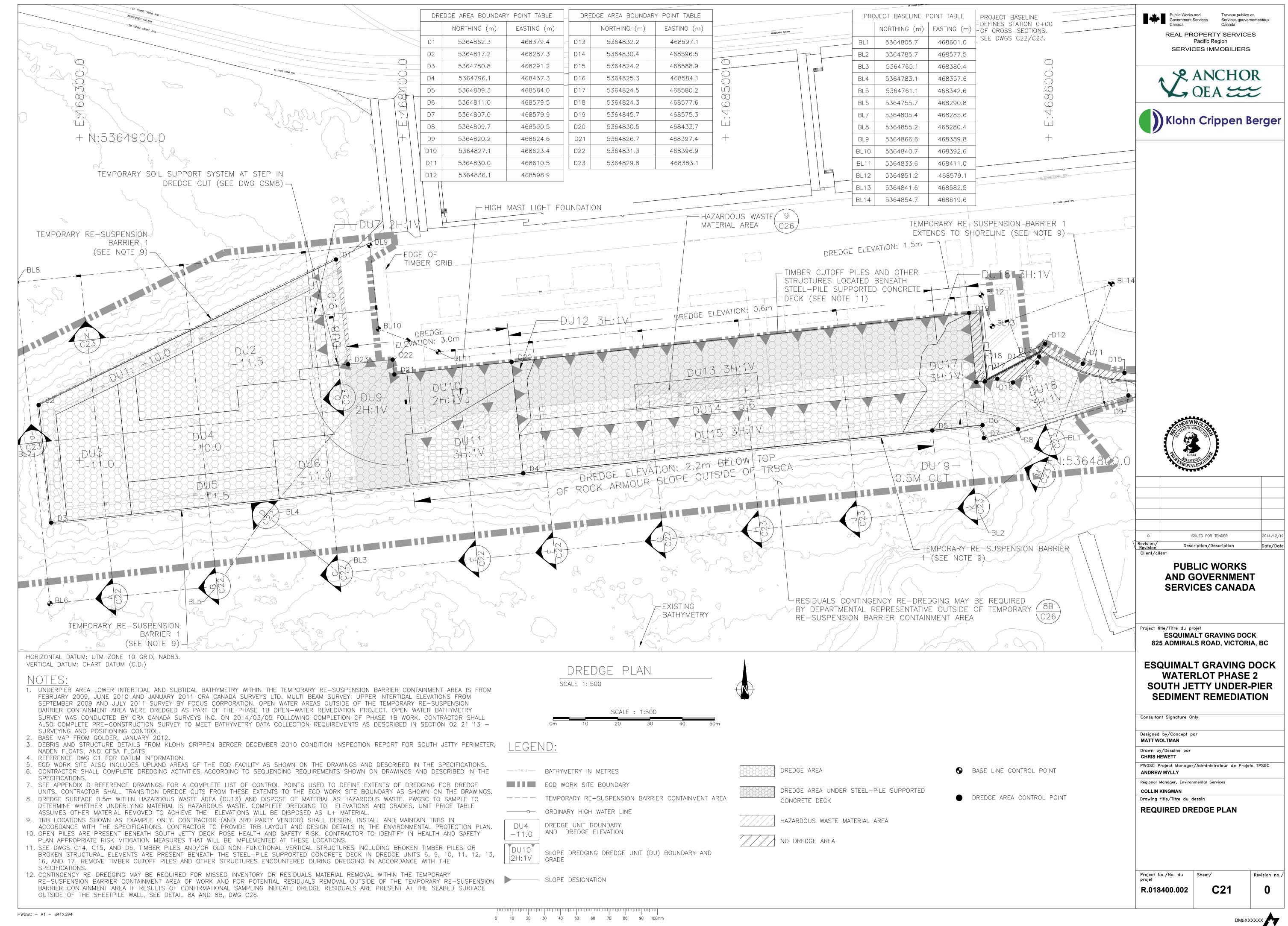


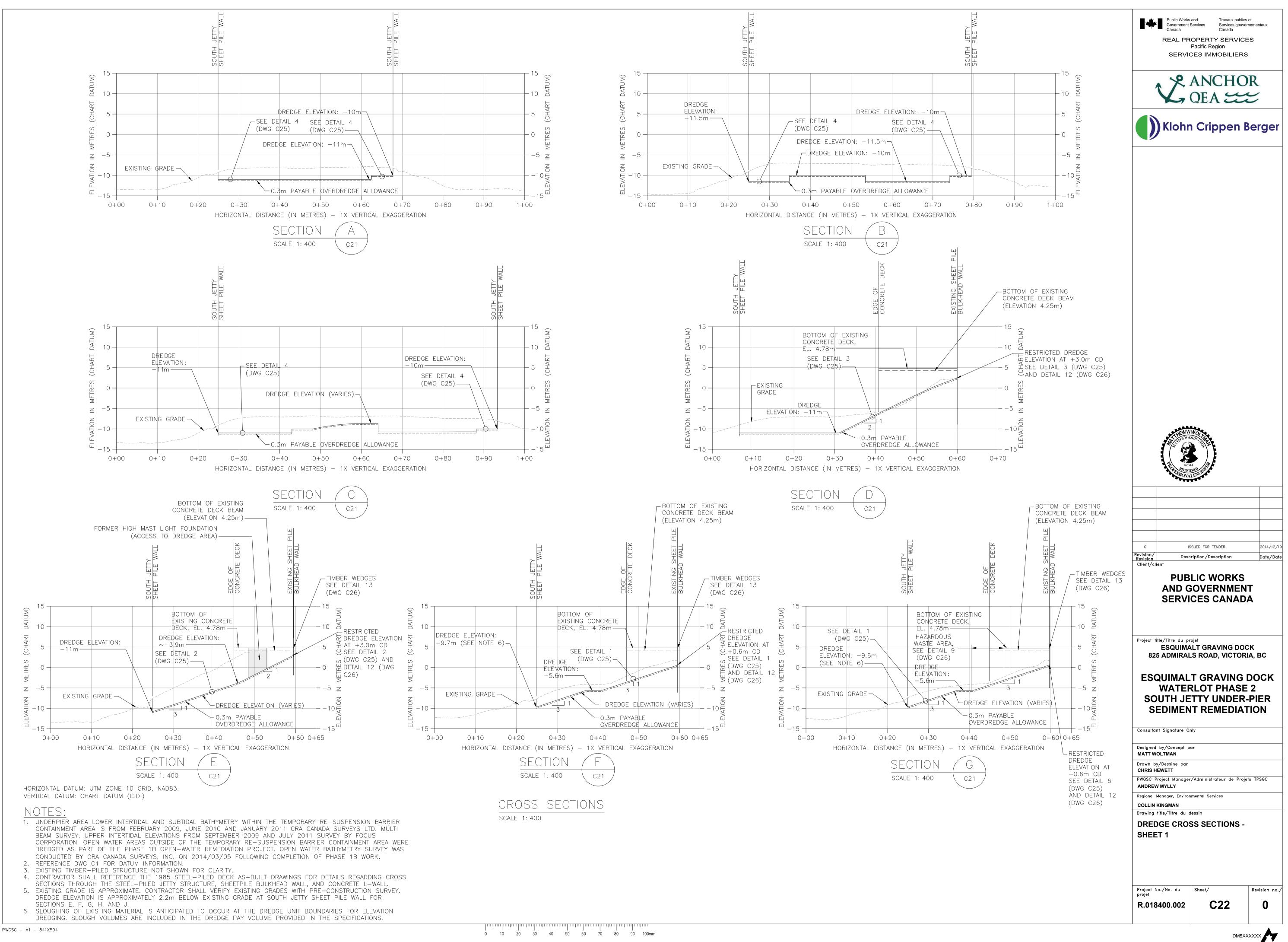
QEA E ISSUED FOR TENDER Revision/ Revision Description/Description Client/client PUBLIC WORKS AND GOVERNMENT SERVICES CANADA Project title/Titre du projet ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC **ESQUIMALT GRAVING DOCK** WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION Consultant Signature Only Designed by/Concept par GEOFF COOPER Drawn by/Dessine par MIKE BRIDDEN PWGSC Project Manager/Administrateur de Projets ANDREW MYLLY Regional Manager, Environmental S COLLIN KINGMAN Drawing title/Titre du dessin PHOTOGRAPHS OF **EXISTING CONDITIONS** SHEET 4 Project No./No. du Sheet/ projet Revision no. R.018400.002

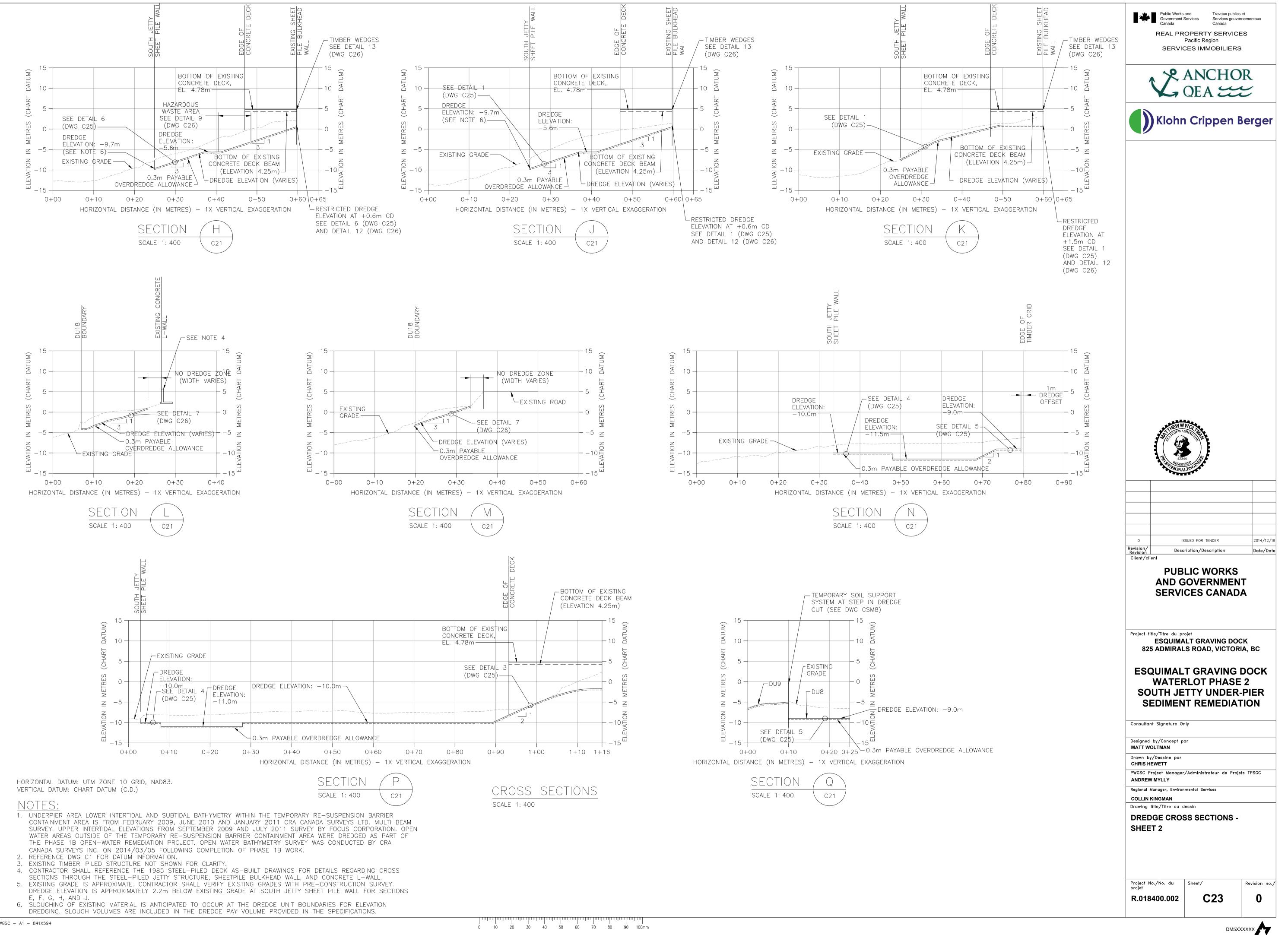
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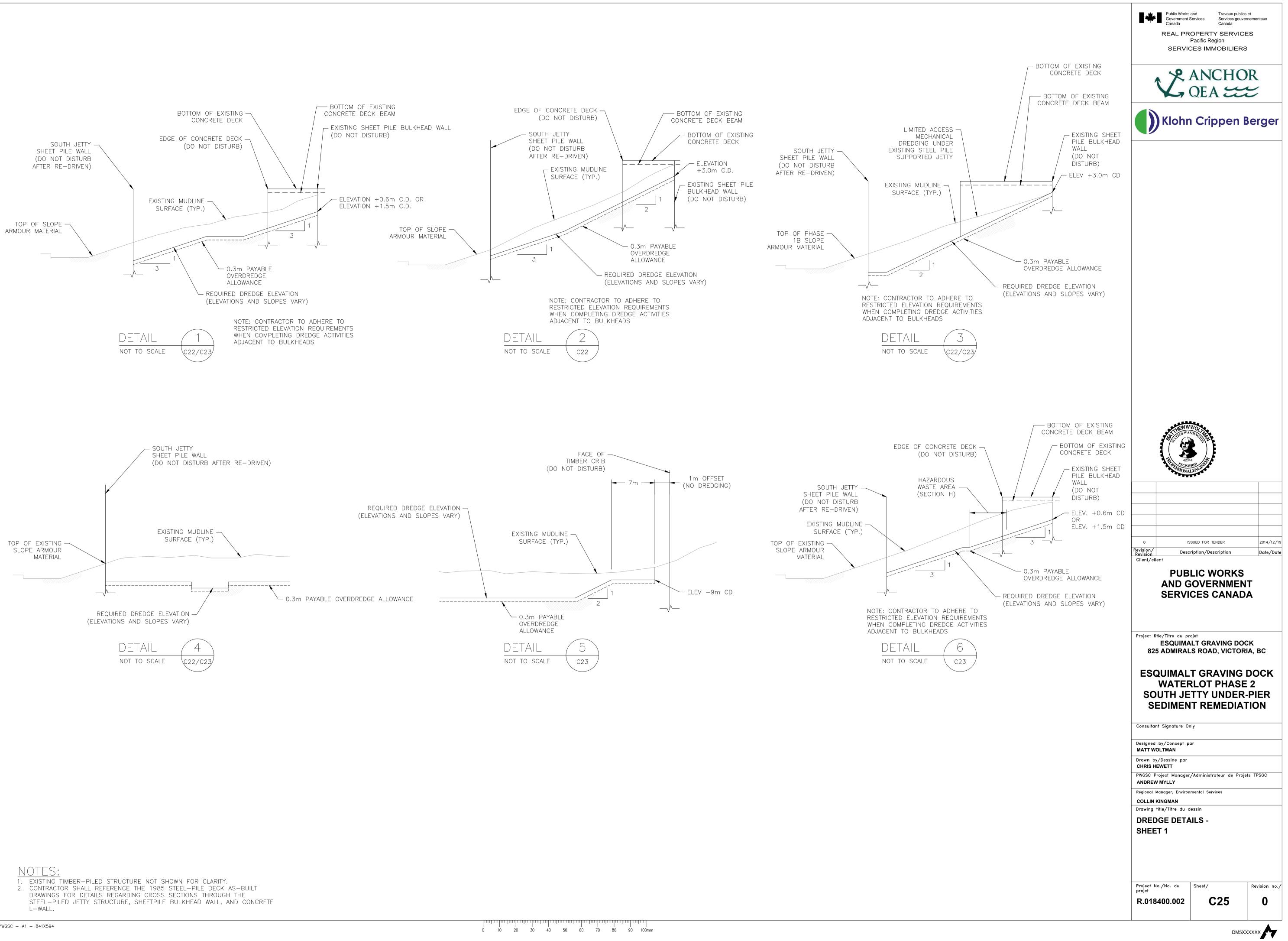
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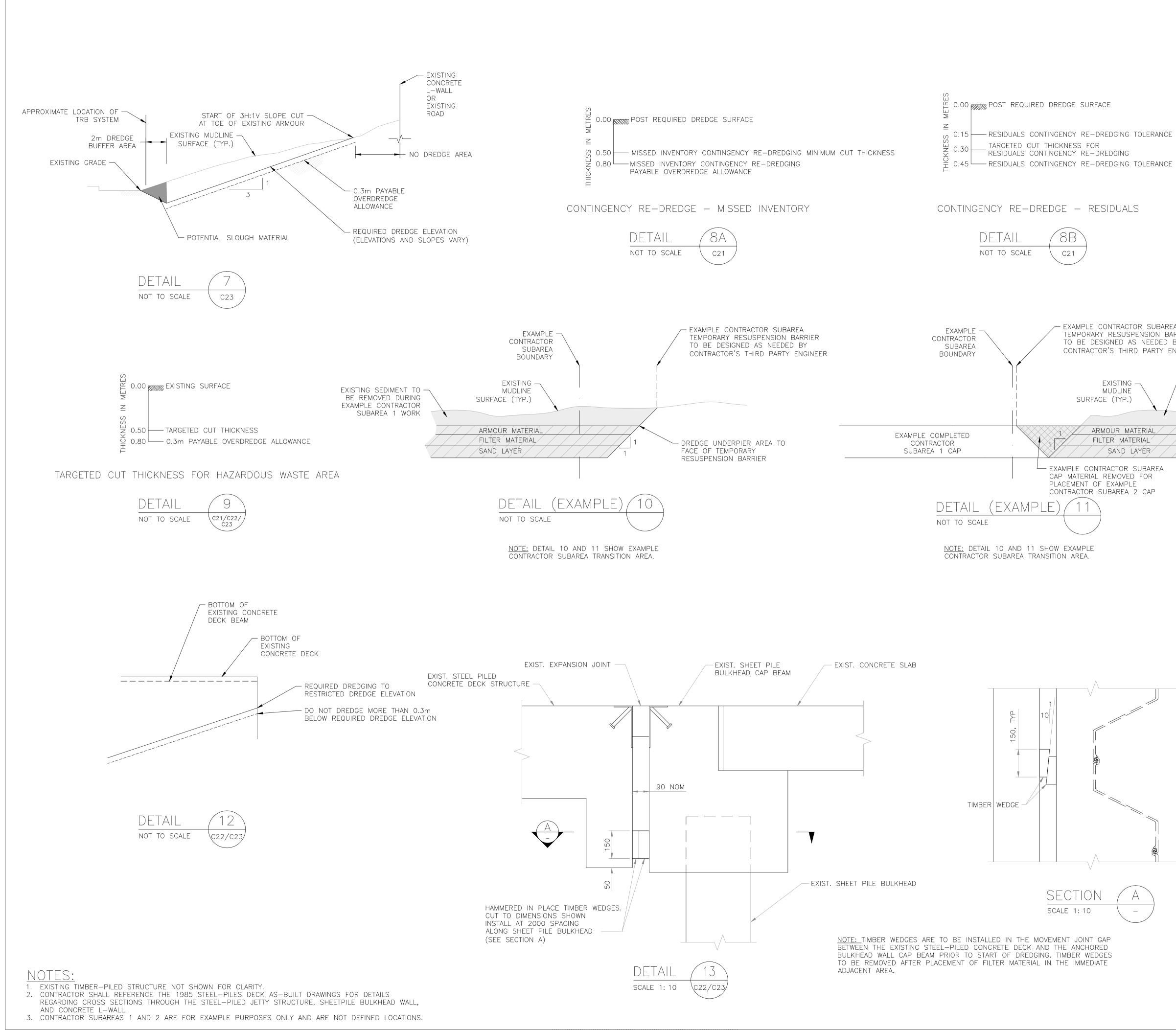
Klohn Crippen Berger

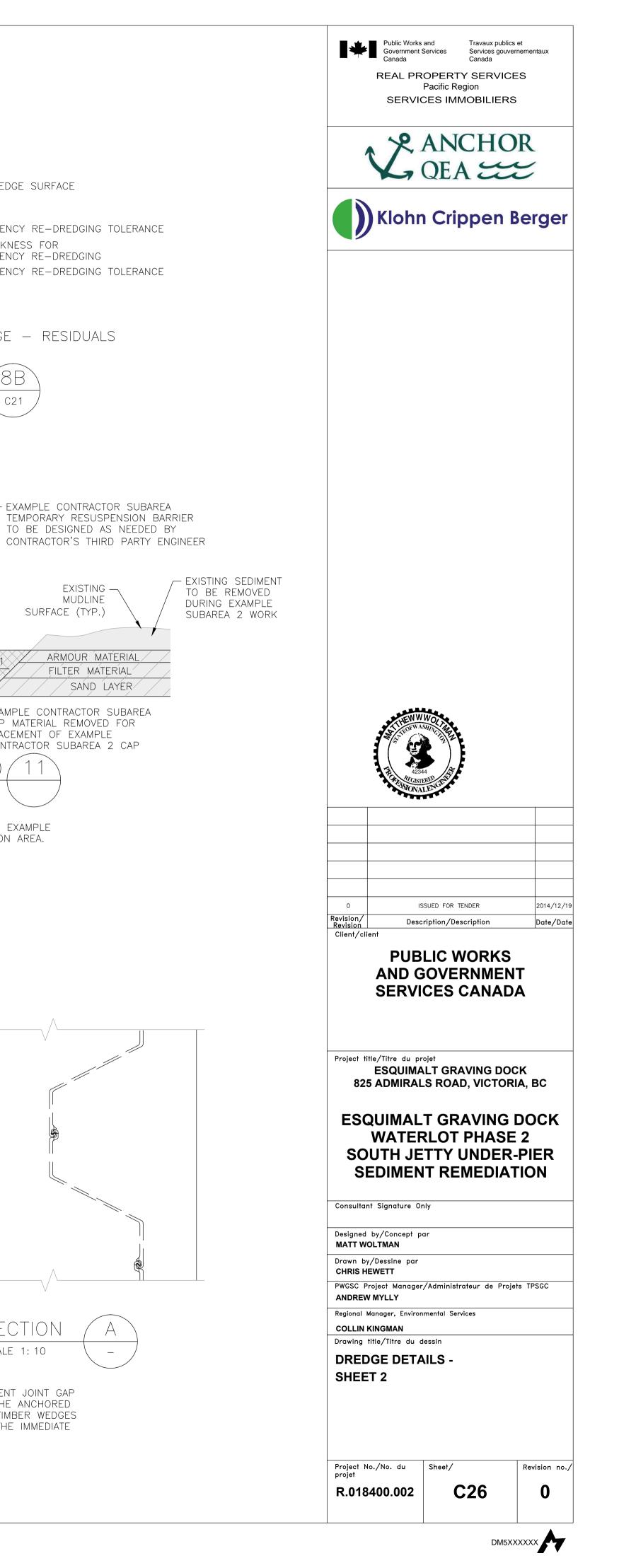


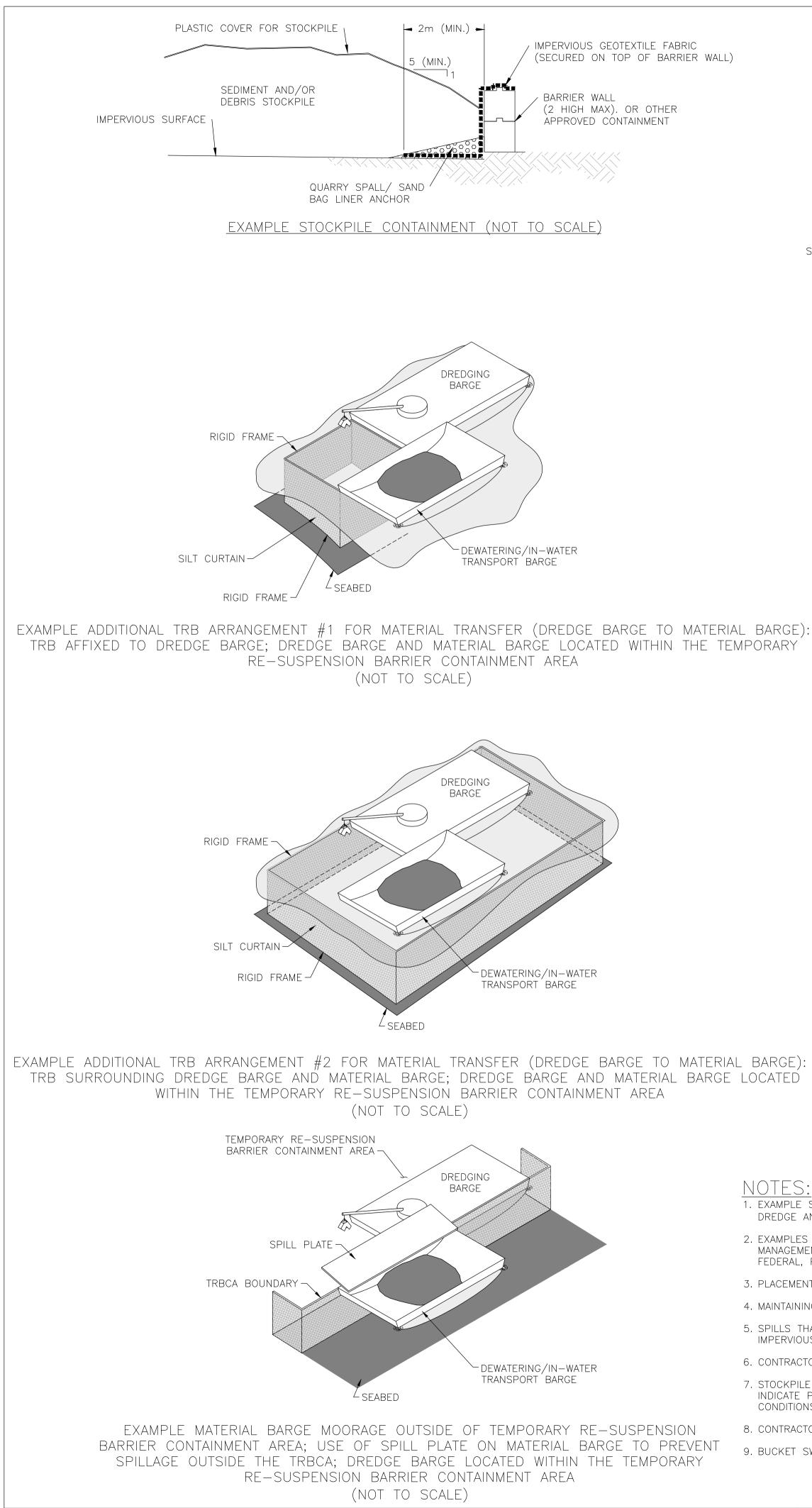












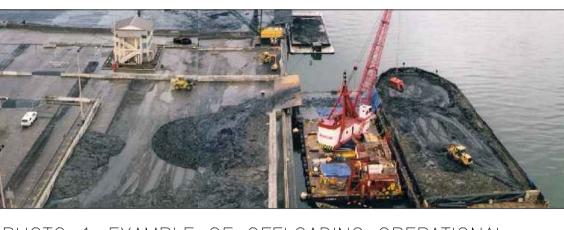
4. MAINTAINING A SLOPE NO STEEPER THAN 5H:1V ADJACENT TO A BARRIER WALL IS A TYPICAL STANDARD OF PRACTICE IN STOCKPILE CONTAINMENT.

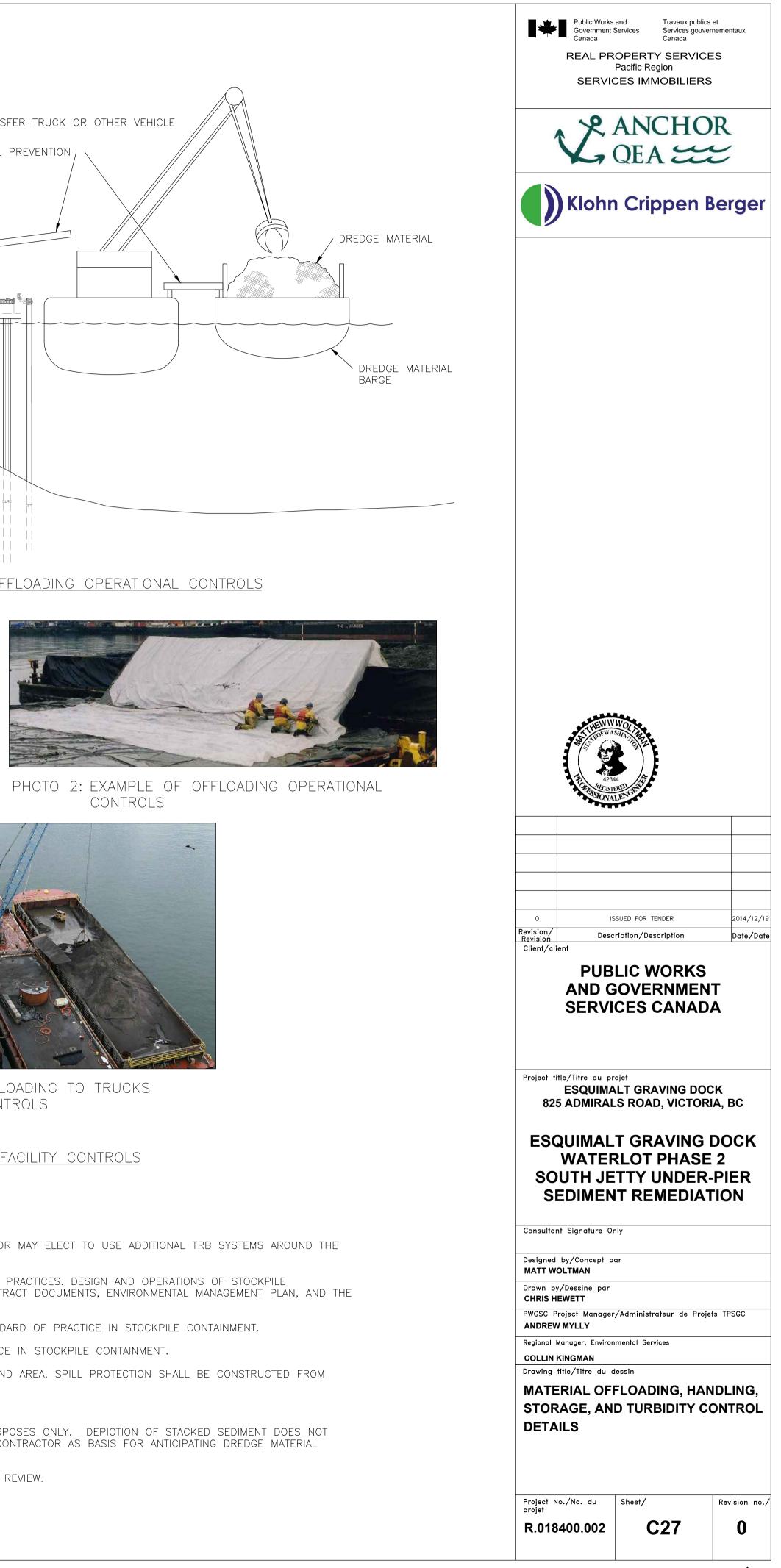
CONDITIONS DURING THE WORK.

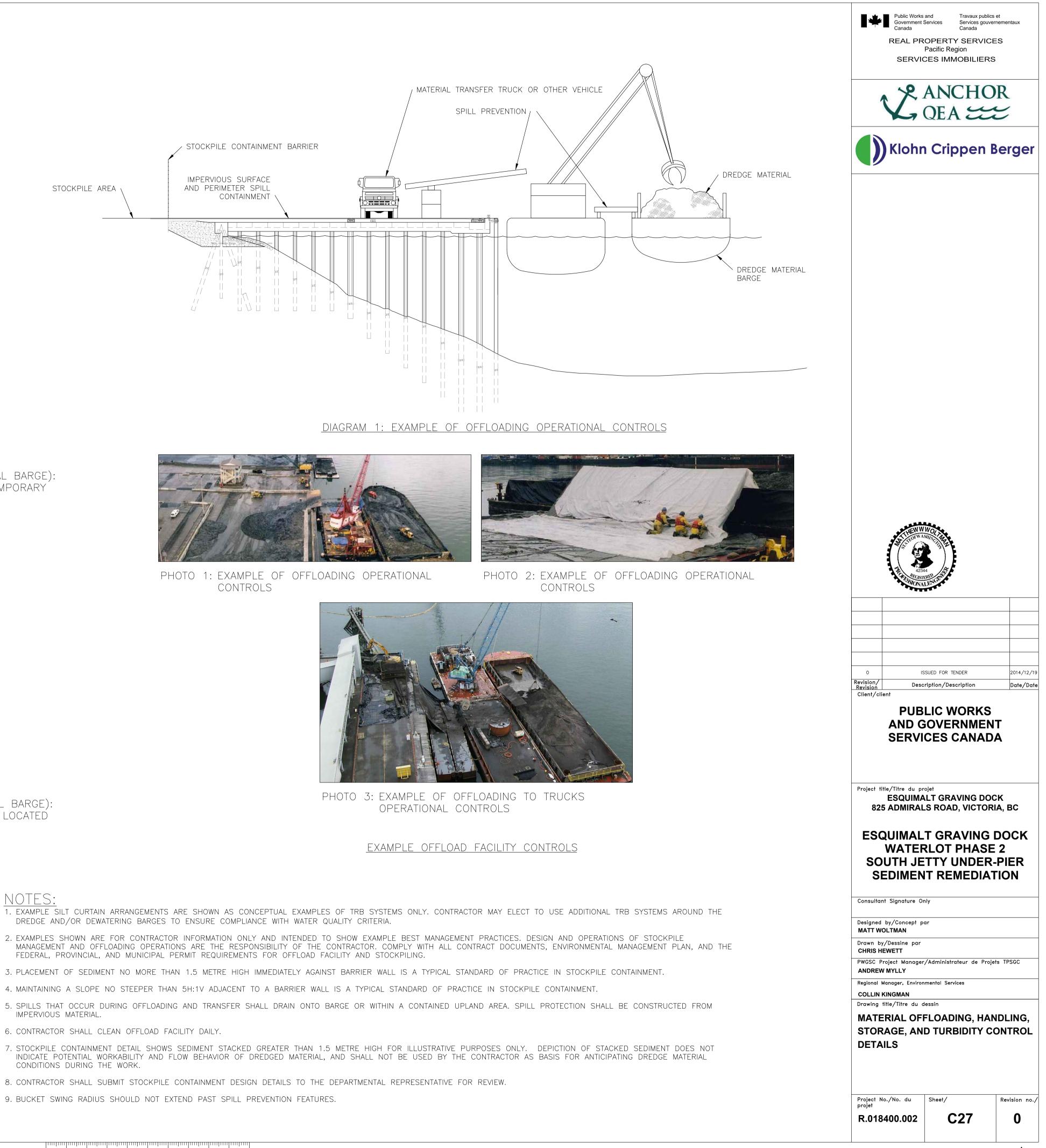
8. CONTRACTOR SHALL SUBMIT STOCKPILE CONTAINMENT DESIGN DETAILS TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW.

9. BUCKET SWING RADIUS SHOULD NOT EXTEND PAST SPILL PREVENTION FEATURES.

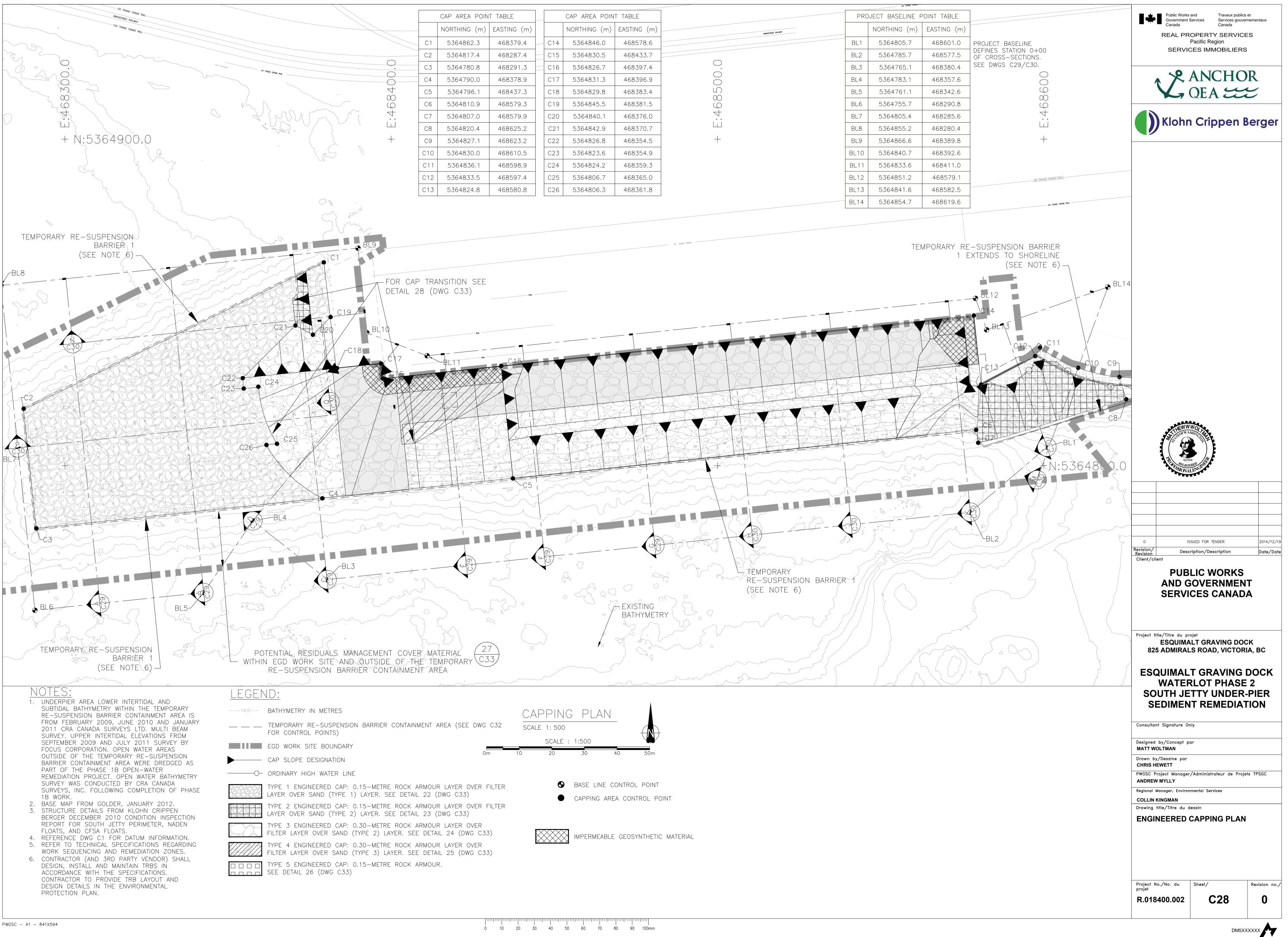
OPERATIONAL CONTROLS



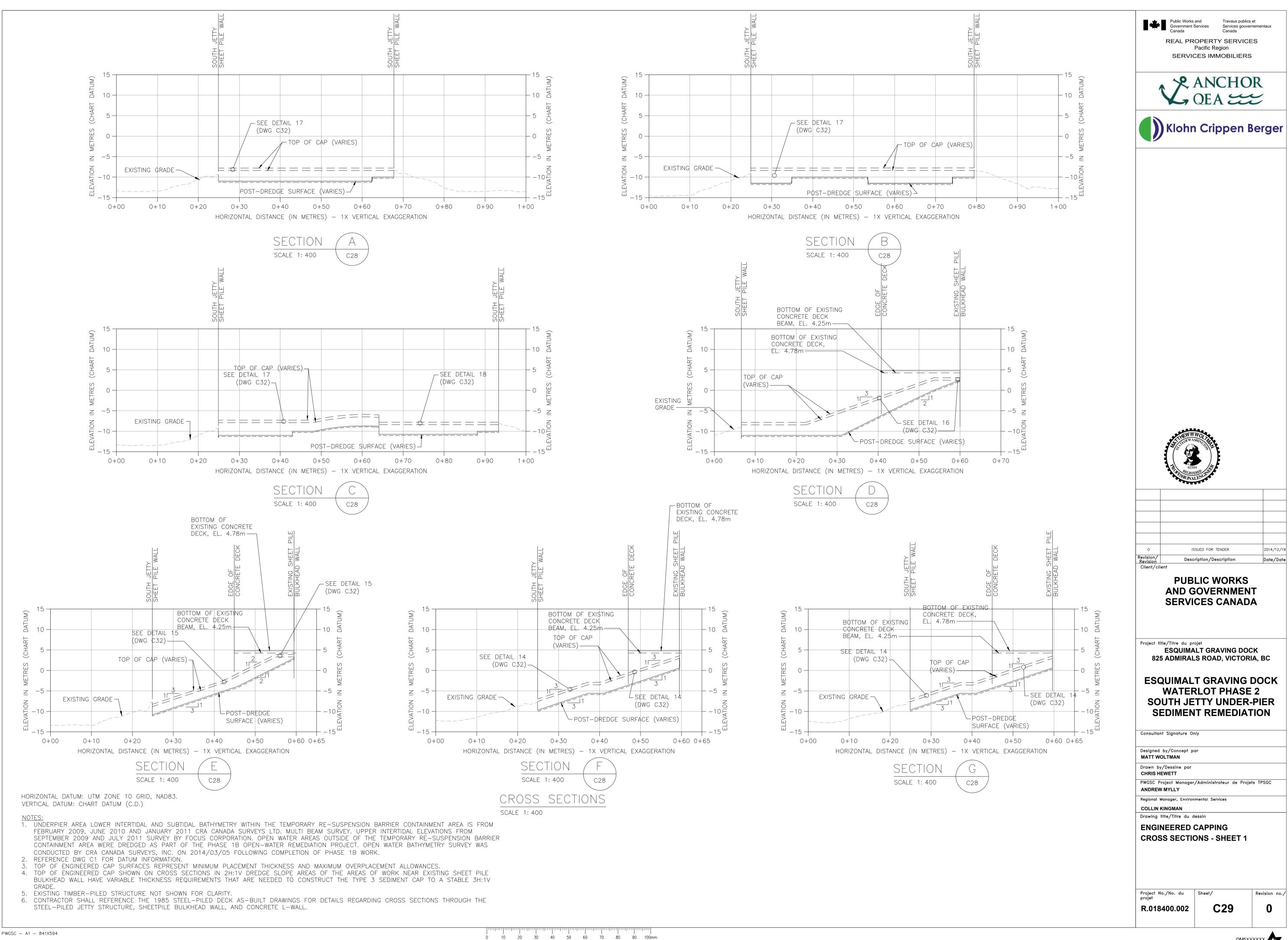


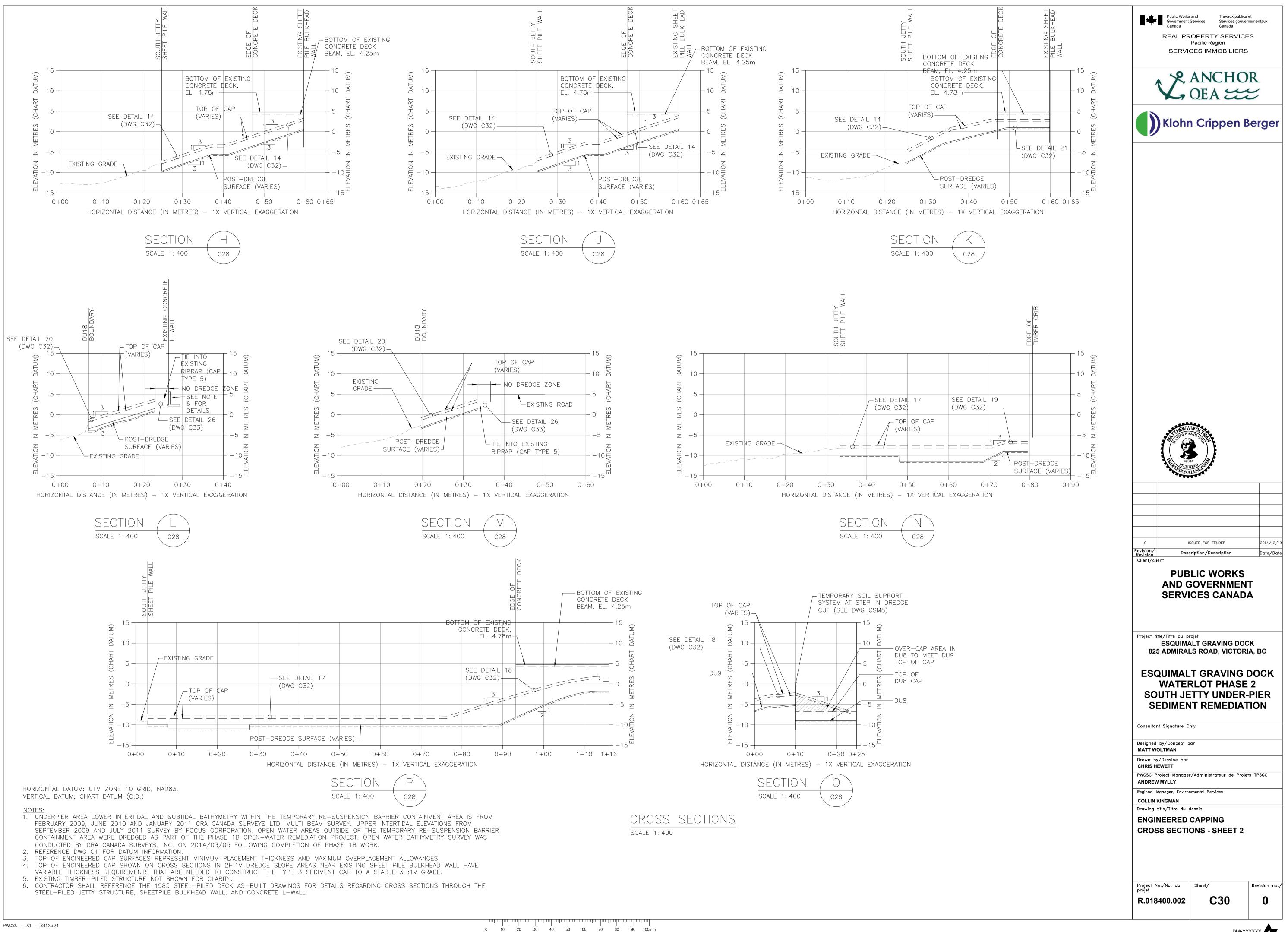


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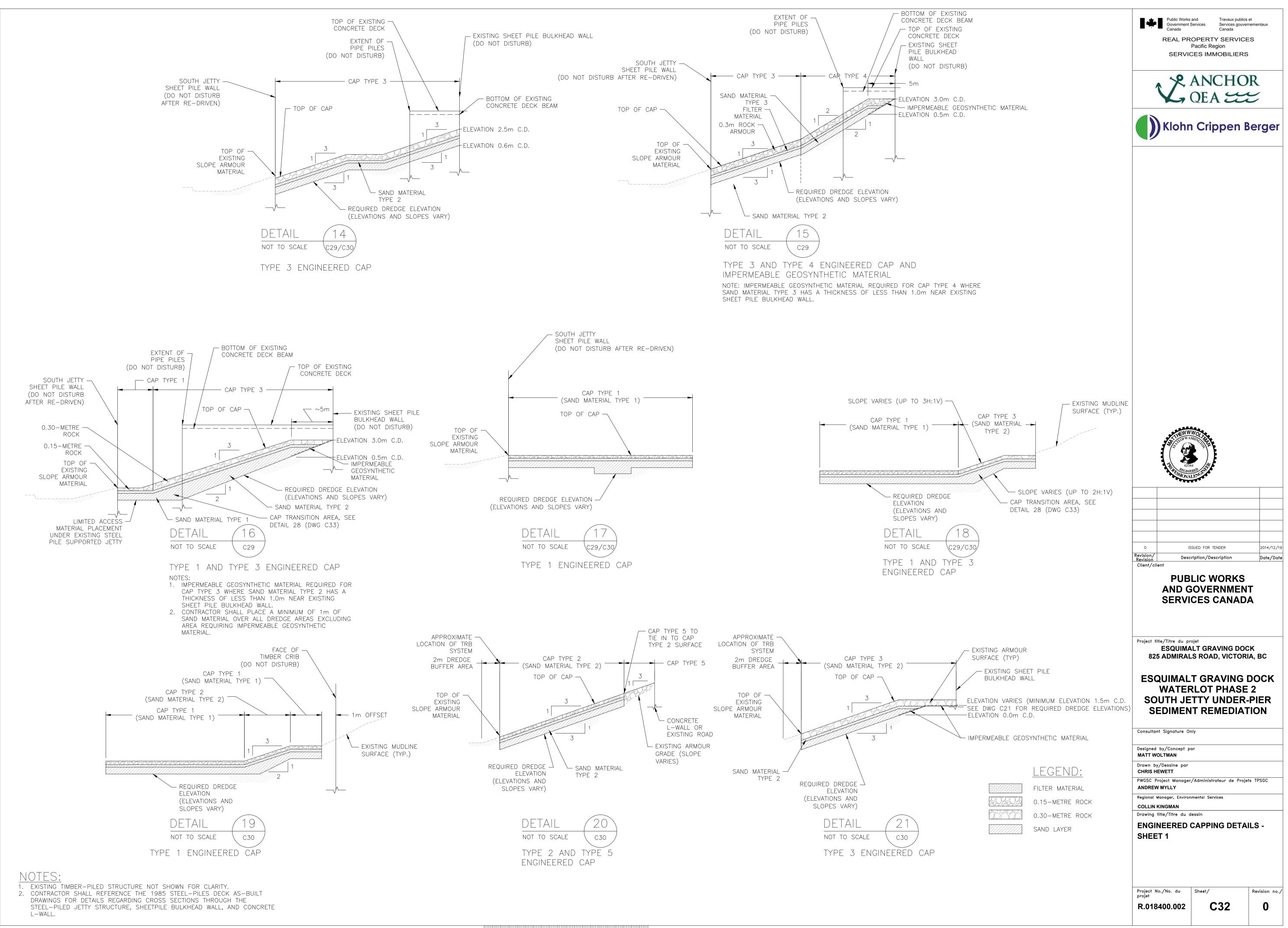


P AREA POINT	T TABLE			CAP AREA POIN	T TABLE
RTHING (m)	EASTING (m)			NORTHING (m)	EASTING (m)
5364862.3	468379.4	С	14	5364846.0	468578.6
5364817.4	468287.4	С	15	5364830.5	468433.7
5364780.8	468291.3	С	16	5364826.7	468397.4
5364790.0	468378.9	С	17	5364831.3	468396.9
5364796.1	468437.3	С	18	5364829.8	468383.4
5364810.9	468579.3	С	19	5364845.5	468381.5
5364807.0	468579.9	С	20	5364840.1	468376.0
5364820.4	468625.2	С	21	5364842.9	468370.7
5364827.1	468623.2	С	22	5364826.8	468354.5
5364830.0	468610.5	С	23	5364823.6	468354.9
5364836.1	468598.9	C	24	5364824.2	468359.3
5364833.5	468597.4	С	25	5364806.7	468365.0
5364824.8	468580.8	С	26	5364806.3	468361.8
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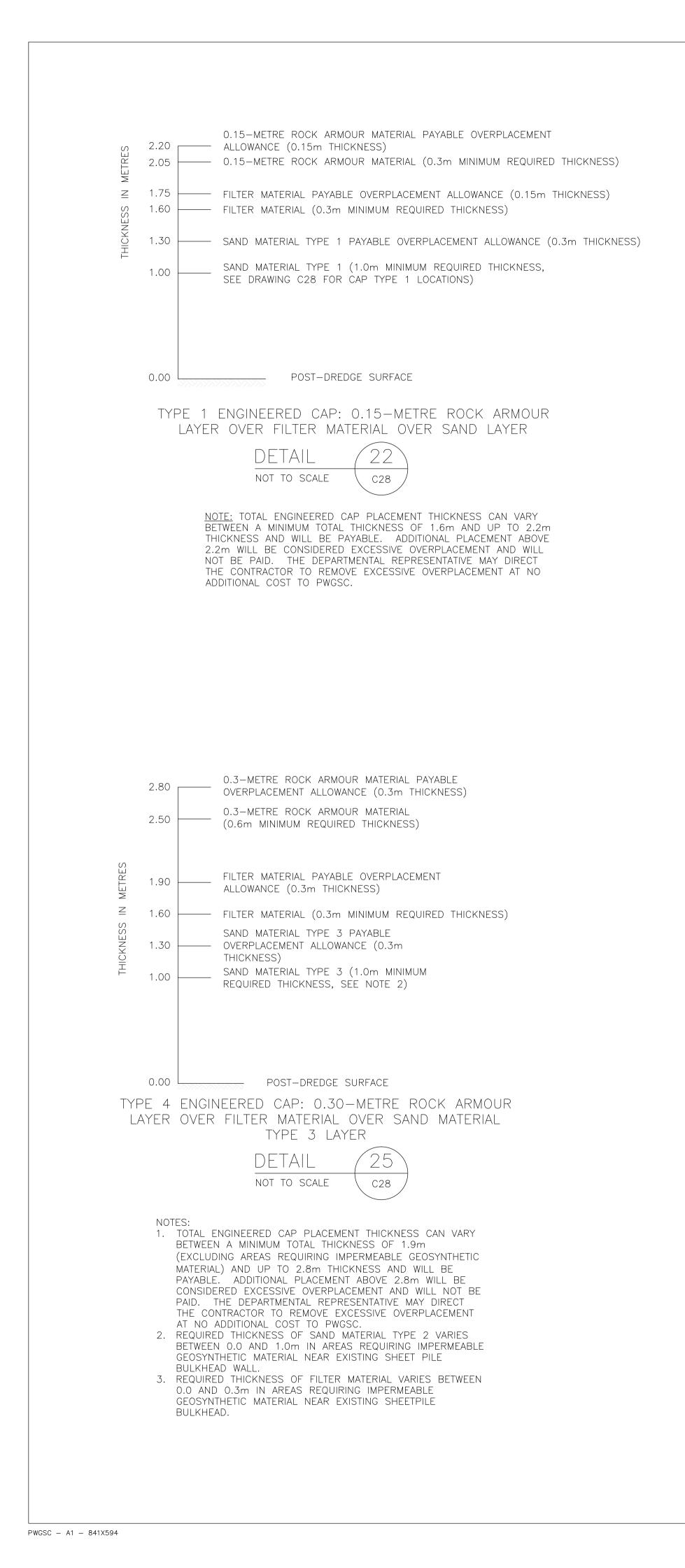


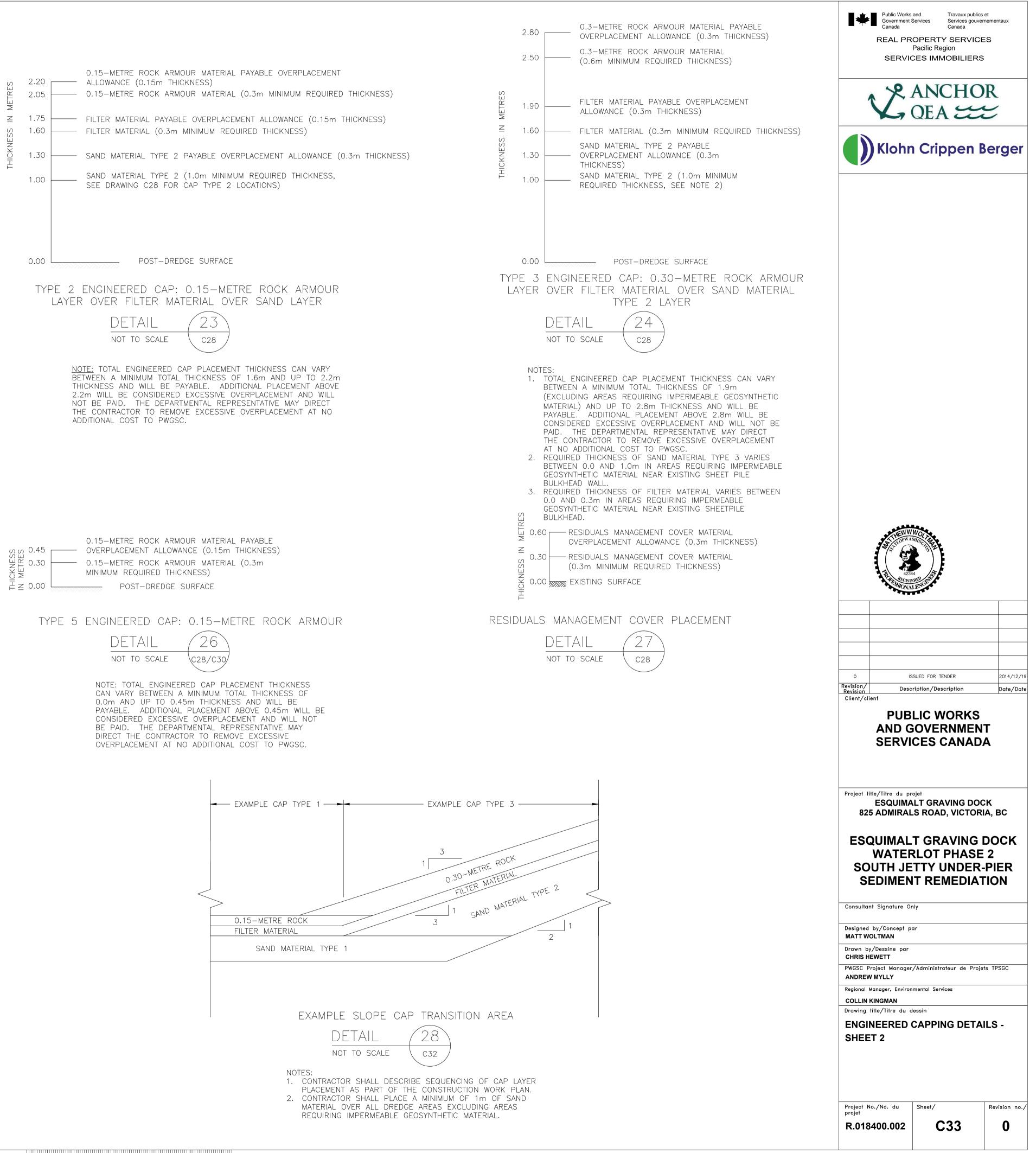


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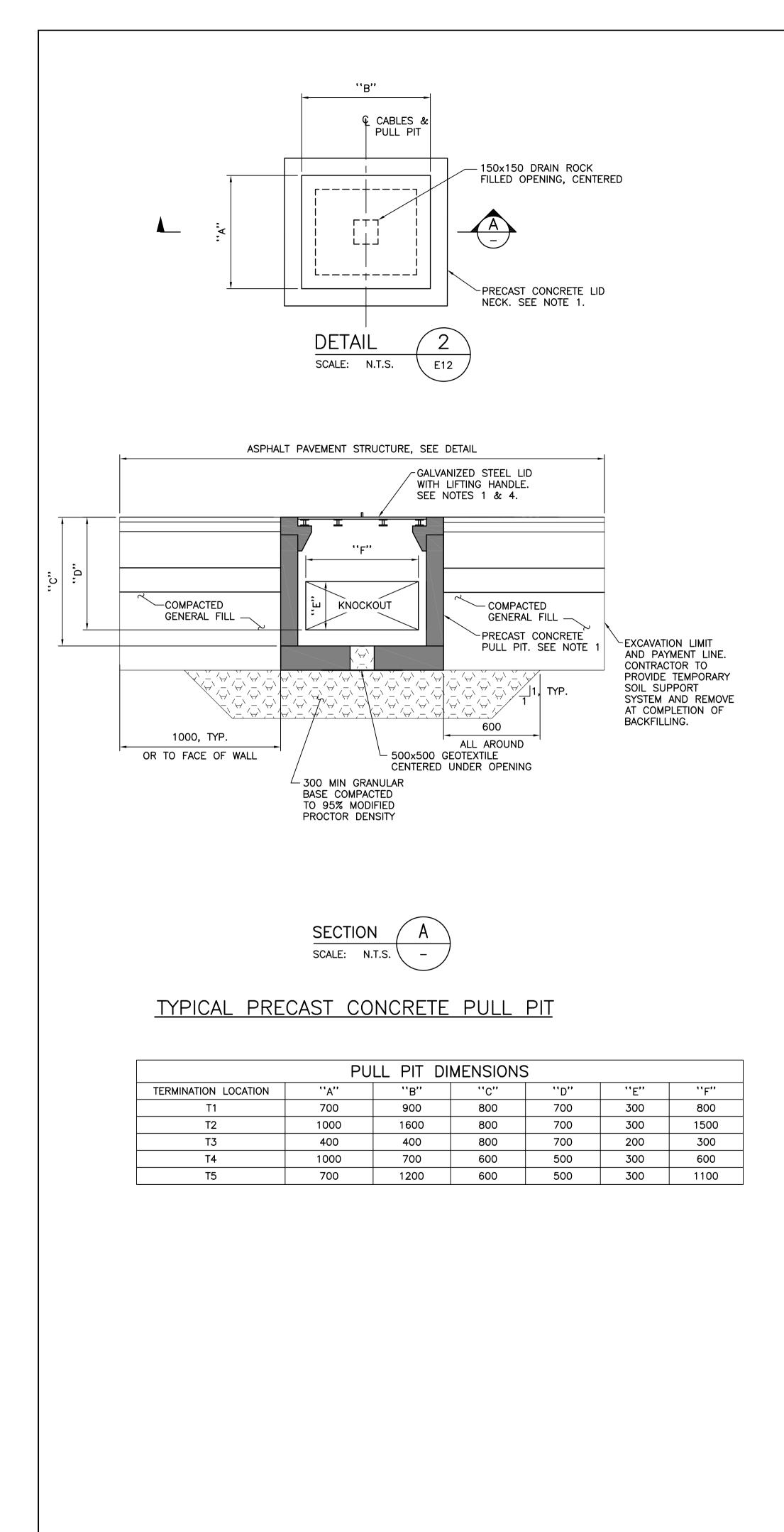


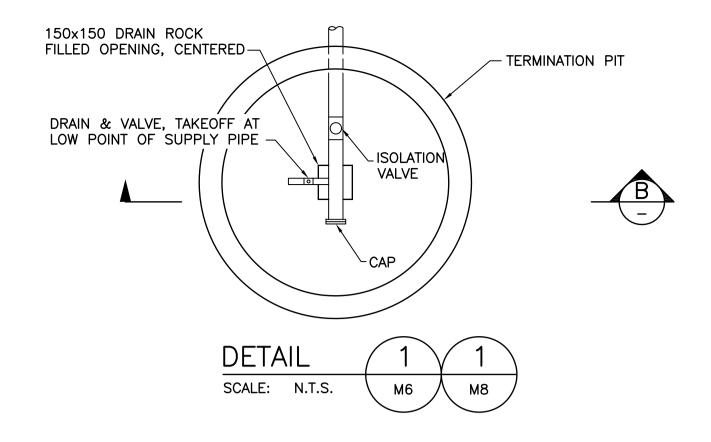
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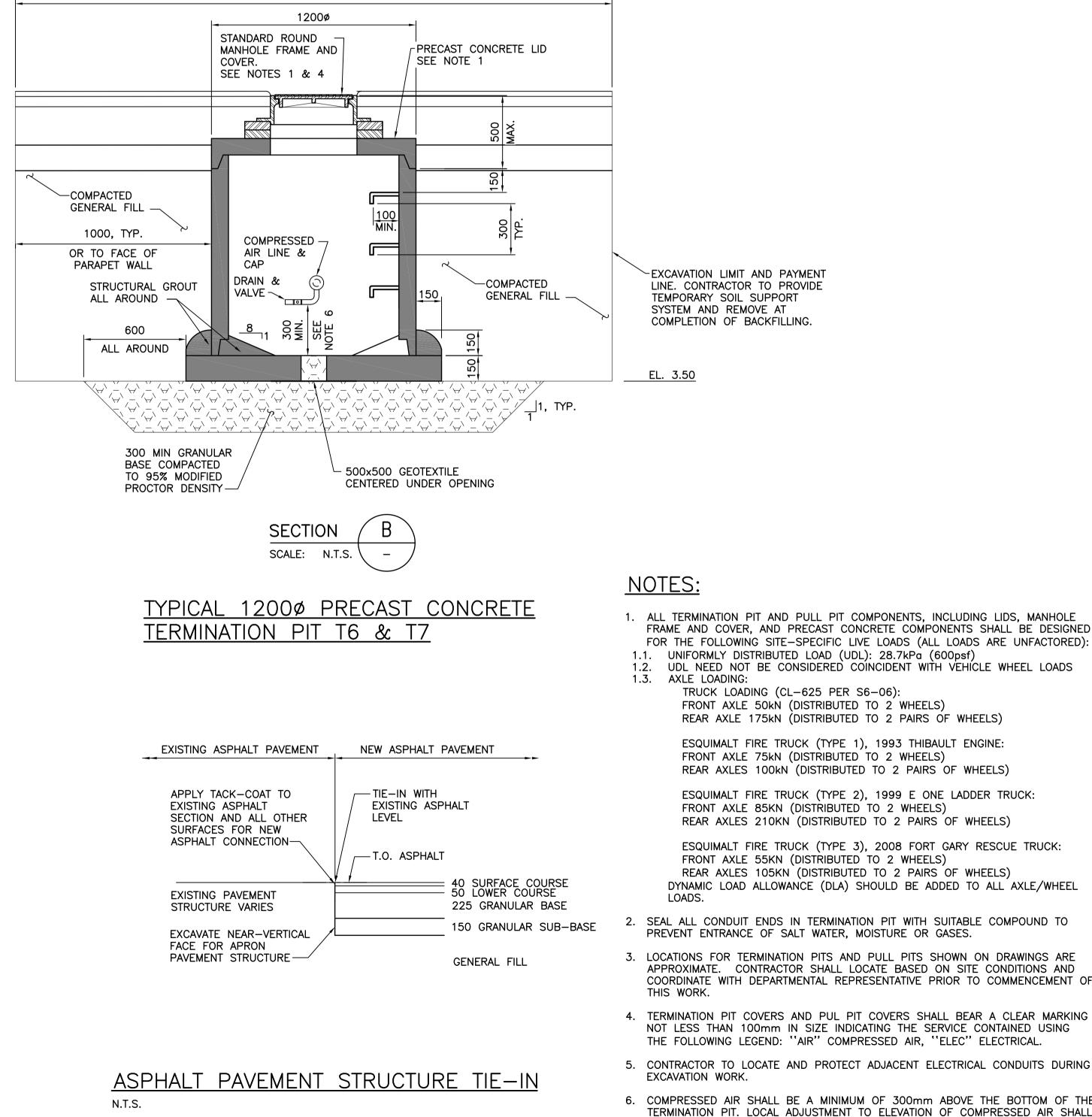


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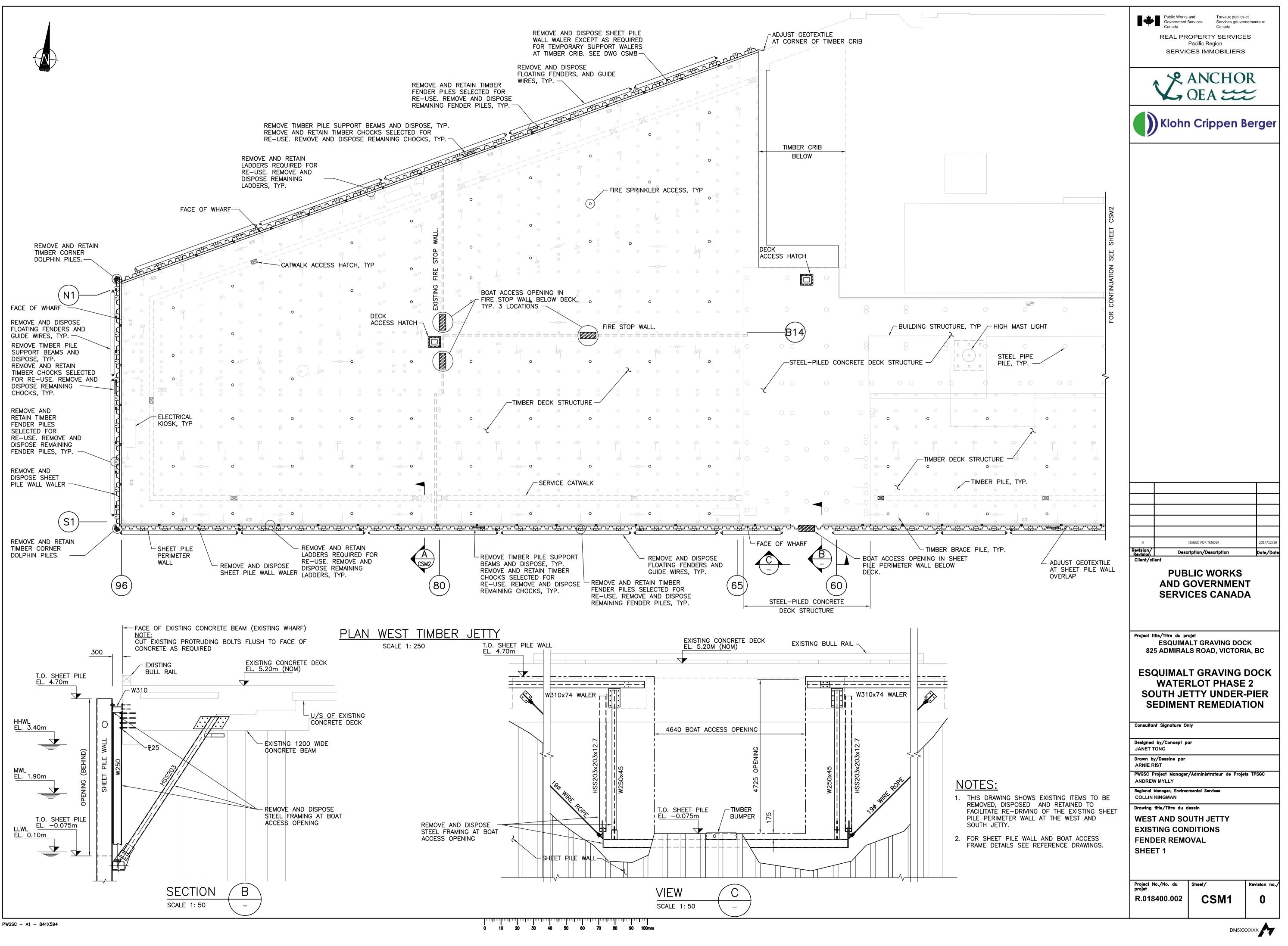


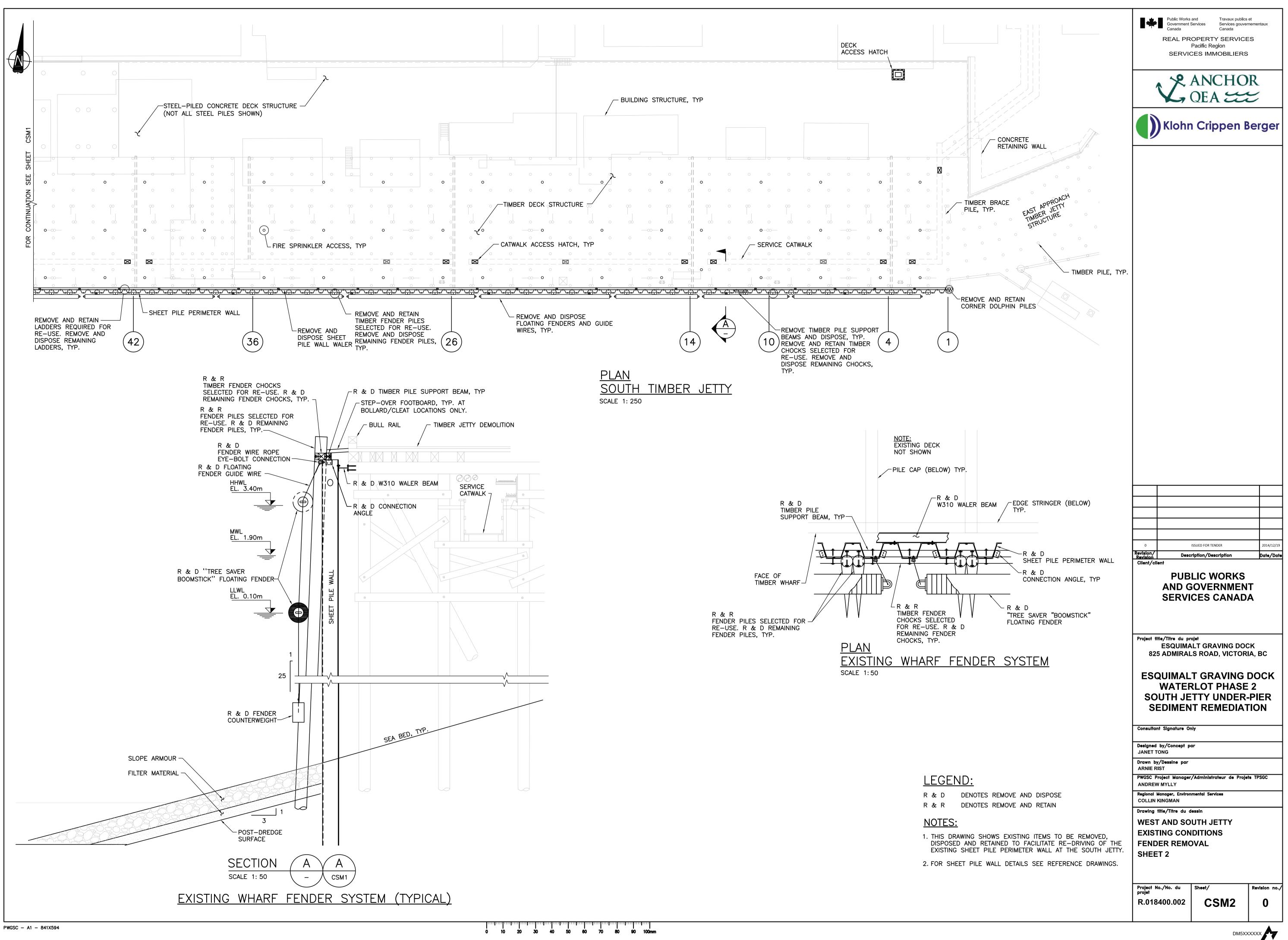
ASPHALT PAVEMENT STRUCTURE, SEE DETAIL

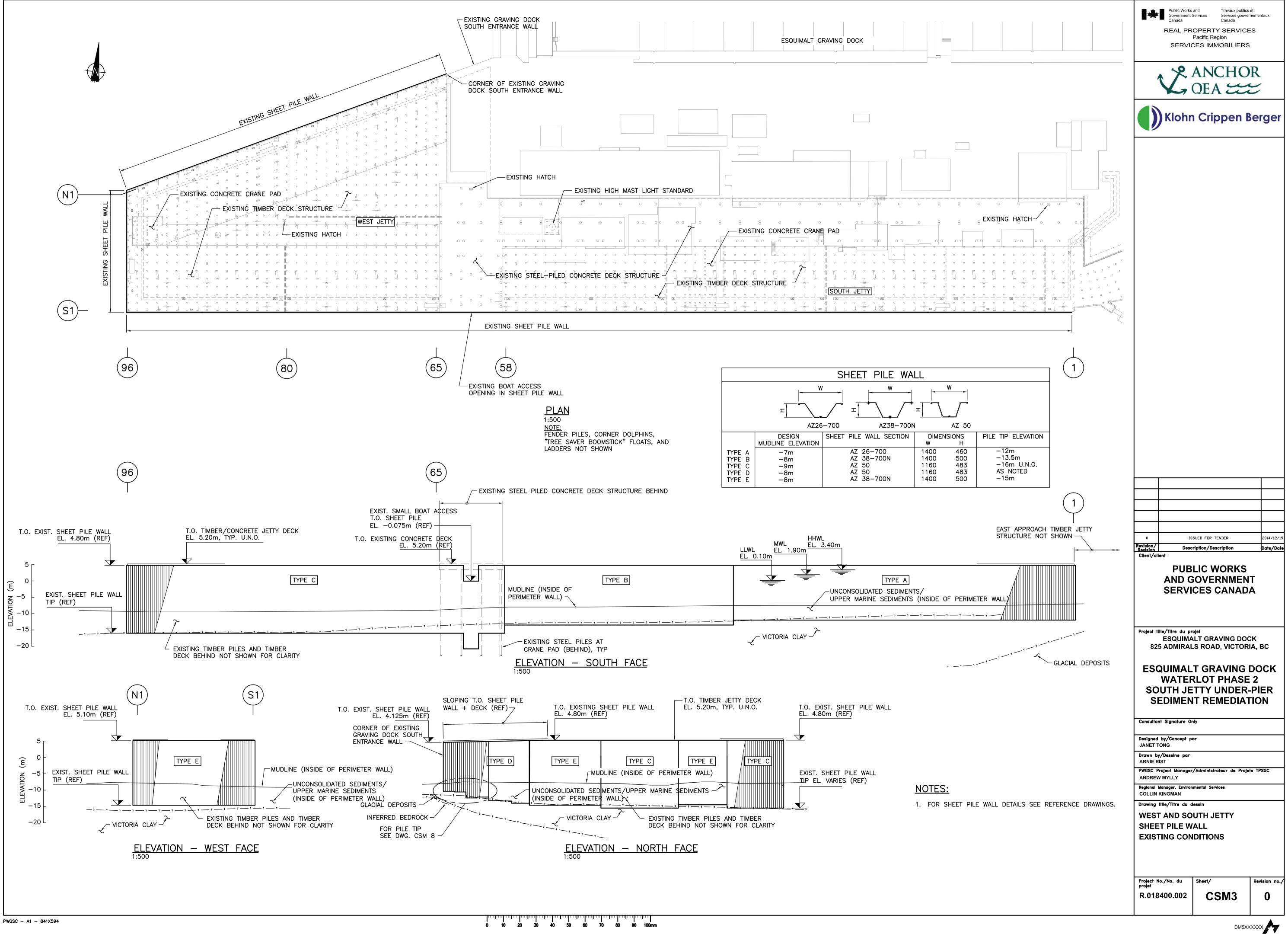


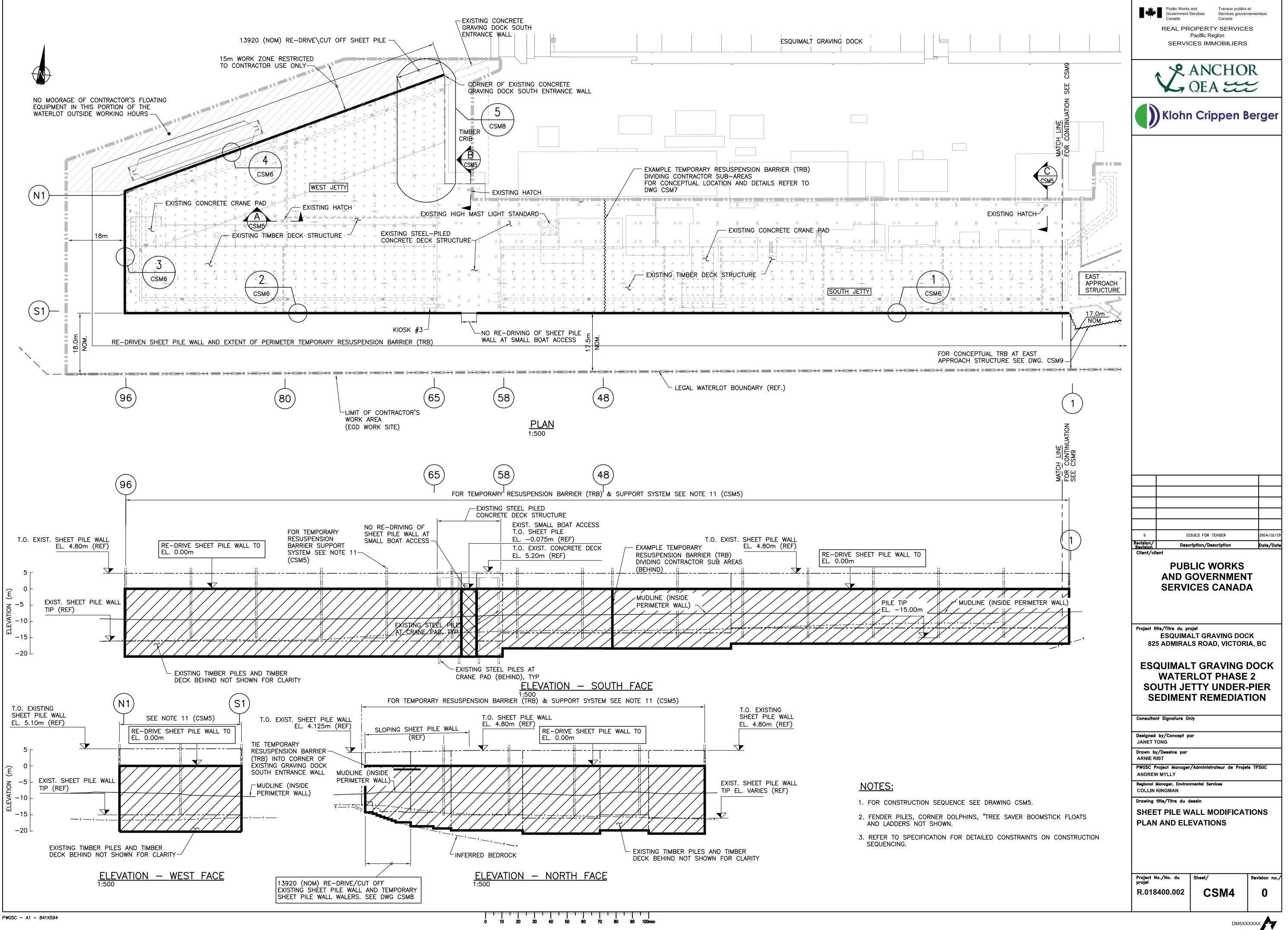
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	Government Services Services gouvernementaux Canada Canada
	REAL PROPERTY SERVICES Pacific Region
	SERVICES IMMOBILIERS
	Région de Pacifique
	Klohn Crippen Berger
	0 ISSUED FOR TENDER 2014/12/19
	Revision/         Description/Description         Date/Date           Client/client         Date/Date         Date/Date         Date/Date
	PUBLIC WORKS
	AND GOVERNMENT
	SERVICES CANADA
)	
	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
	SEDIMENT REMEDIATION
	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA
	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA         Drawn by/Dessine par         MIKE BRIDDEN
	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA         Drawn by/Dessine par
	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA         Drawn by/Dessine par         MIKE BRIDDEN         PWGSC Project Manager/Administrateur de Projets TPSGC         ANDREW MYLLY         Regional Manager, Environmental Services
	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA         Drawn by/Dessine par         MIKE BRIDDEN         PWGSC Project Manager/Administrateur de Projets TPSGC         ANDREW MYLLY         Regional Manager, Environmental Services         COLLIN KINGMAN
F	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA         Drawn by/Dessine par         MIKE BRIDDEN         PWGSC Project Manager/Administrateur de Projets TPSGC         ANDREW MYLLY         Regional Manager, Environmental Services
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;	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA         Drawn by/Dessine par         MIKE BRIDDEN         PWGSC Project Manager/Administrateur de Projets TPSGC         ANDREW MYLLY         Regional Manager, Environmental Services         COLLIN KINGMAN         Drawing title/Titre du dessin         SERVICES - TERMINATION PITS
F	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA         Drawn by/Dessine par         MIKE BRIDDEN         PWGSC Project Manager/Administrateur de Projets TPSGC         ANDREW MYLLY         Regional Manager, Environmental Services         COLLIN KINGMAN         Drawing title/Titre du dessin         SERVICES - TERMINATION PITS         Project No./No. du       Sheet/         Projet       No./No. du
3	SEDIMENT REMEDIATION         Consultant Signature Only         Designed by/Concept par         DHILEEP ABEYGODA         Drawn by/Dessine par         MIKE BRIDDEN         PWGSC Project Manager/Administrateur de Projets TPSGC         ANDREW MYLLY         Regional Manager, Environmental Services         COLLIN KINGMAN         Drawing title/Titre du dessin         SERVICES - TERMINATION PITS

BE MADE IF NECESSARY.

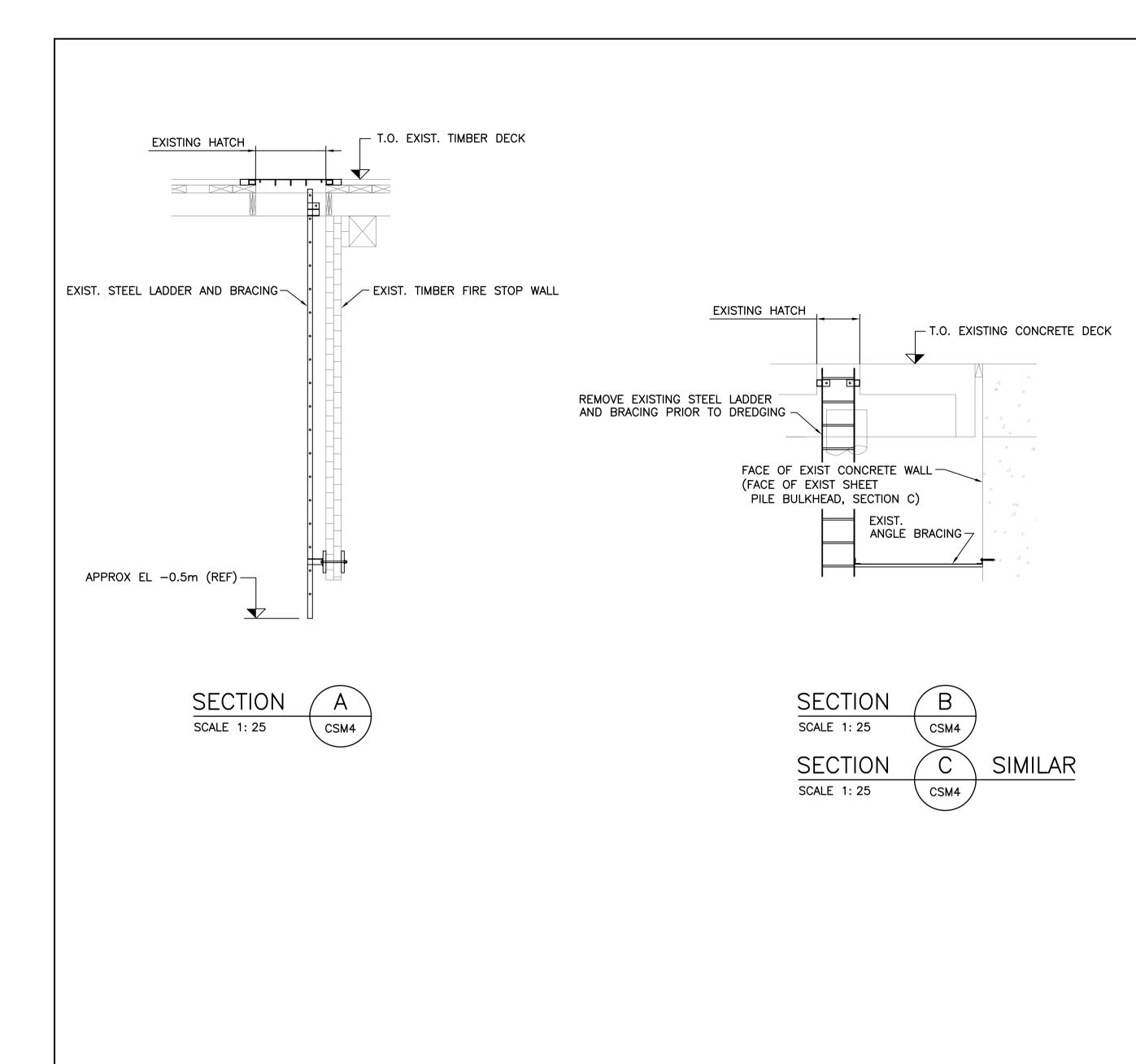












- OFF-SITE.

- ON DRAWING CSM8) AND DISPOSE OFF-SITE.

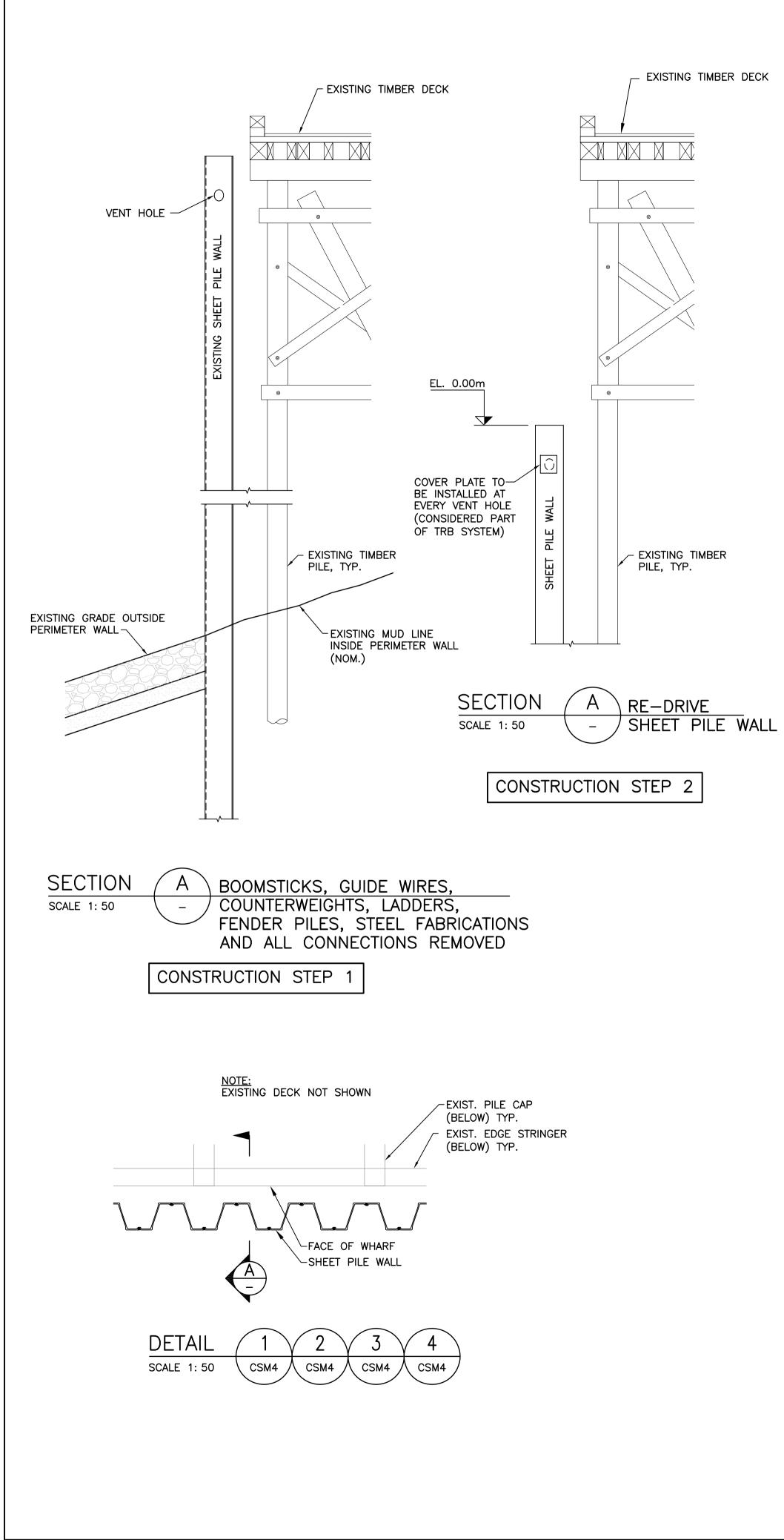
- 8. RE-DRIVE EXISTING SHEET PILE WALL AS SHOWN.

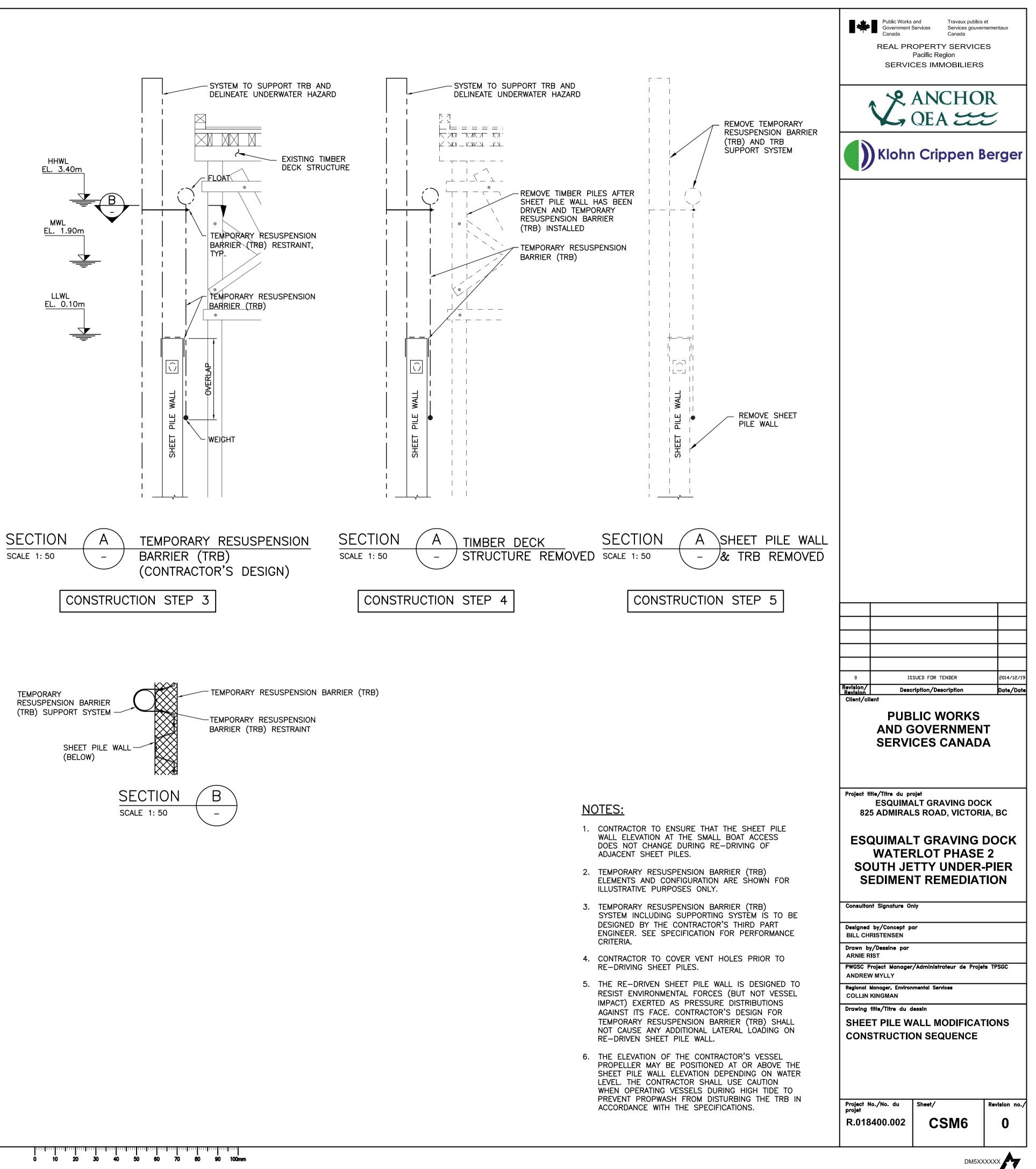
- STRUCTURE.
- PLACING ARMOUR ROCK.

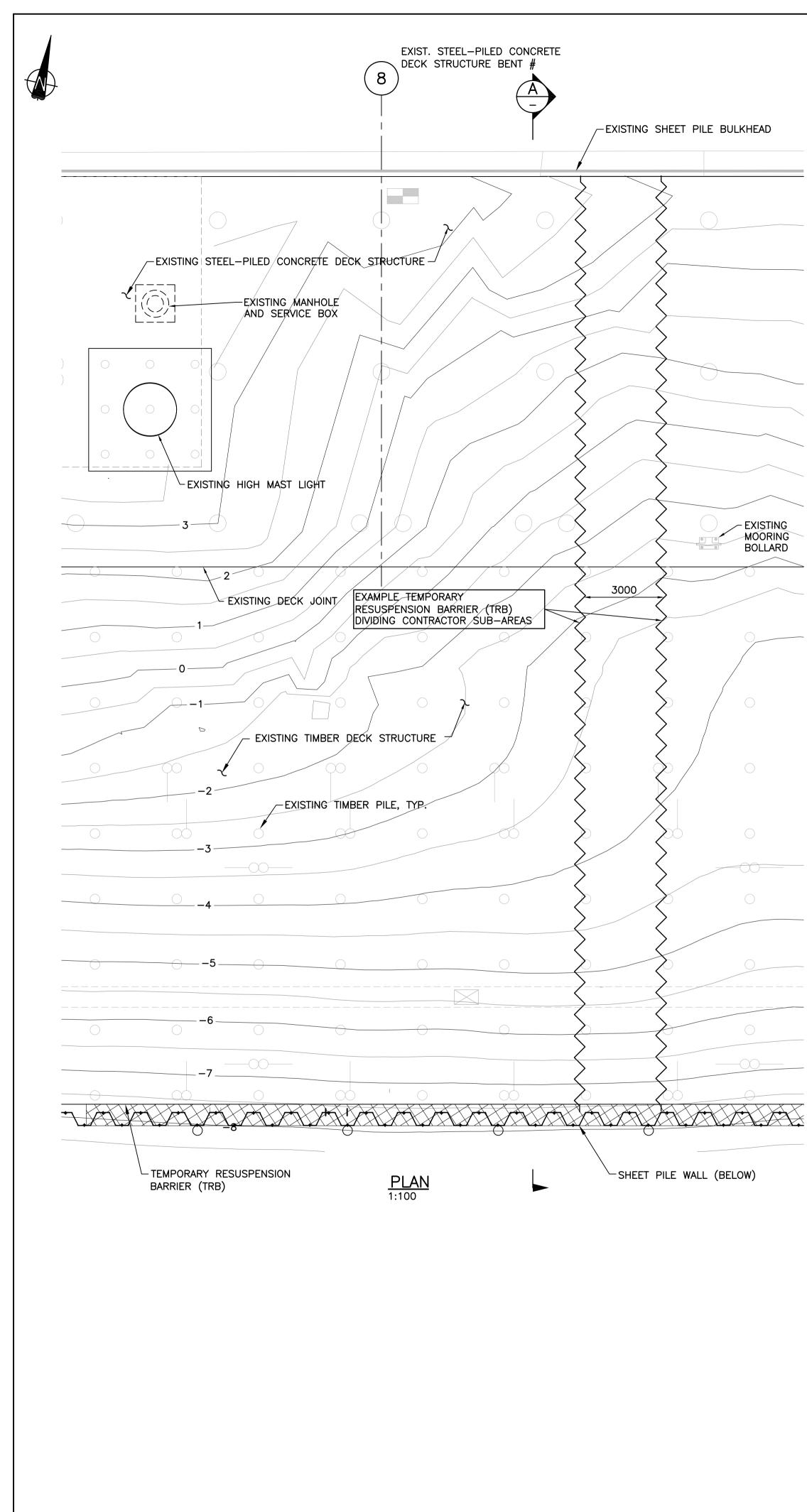
Klohn Crippen Berger INDICATIVE CONSTRUCTION SEQUENCE (SEE DWG CSM4): 1. TEMPORARY RESUSPENSION BARRIER (TRB) ELEMENTS AND CONFIGURATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR'S THIRD PARTY ENGINEER SHALL VERIFY SPECIFIC DESIGN APPROACH FOR TEMPORARY RESUSPENSION BARRIER (TRB) SYSTEM. 2. REMOVE "TREE SAVER BOOMSTICK" FENDER LOGS, GUIDE WIRES AND WEIGHTS AND DISPOSE 3. 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 ISSUED FOR TENDER 0 2014/12/19 6. INSTALL COVERS OVER VENT HOLES IN SHEET PILE WALL. Revision/ Revision Description/Description Date/Date 7. DISCONNECT AND REMOVE STEEL FRAMING AT BOAT ACCESS OPENING AND DISPOSE OFF-SITE. Client/client PUBLIC WORKS AND GOVERNMENT 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 SERVICES CANADA 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. Project title/Titre du projet ESQUIMALT GRAVING DOCK 12. INSTALL TEMPORARY RESUSPENSION BARRIER (TRB) SYSTEM AS DESIGNED BY CONTRACTOR'S 825 ADMIRALS ROAD, VICTORIA, BC THIRD PARTY ENGINEER. 13. REMOVE TIMBER PILED WEST JETTY AND SOUTH JETTY STRUCTURES AND EAST APPROACH **ESQUIMALT GRAVING DOCK** WATERLOT PHASE 2 14. REMOVE CONTAMINATED SEDIMENT BY DREDGING, AND INSTALL ENGINEERED CAPPING MATERIALS. SOUTH JETTY UNDER-PIER 15. INSTALL TIMBER FENDER PILES, CORNER DOLPHINS AND NAVIGATION MARKER DOLPHINS PRIOR TO SEDIMENT REMEDIATION 16. REMOVE TEMPORARY RESUSPENSION BARRIER (TRB) SYSTEM. Consultant Signature Only 17. EXTRACT RE-DRIVEN SHEET PILES AND DISPOSE OFF-SITE. Designed by/Concept par GEOFF COOPER Drawn by/Dessine par ARNIE RIST NOTE: PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY 1. REFER TO SPECIFICATION FOR DETAILED CONSTRAINTS ON CONSTRUCTION SEQUENCING. Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin SHEET PILE WALL MODIFICATIONS NOTES AND SECTIONS Project No./No. du Sheet/ projet Revision no. CSM5 R.018400.002 0 

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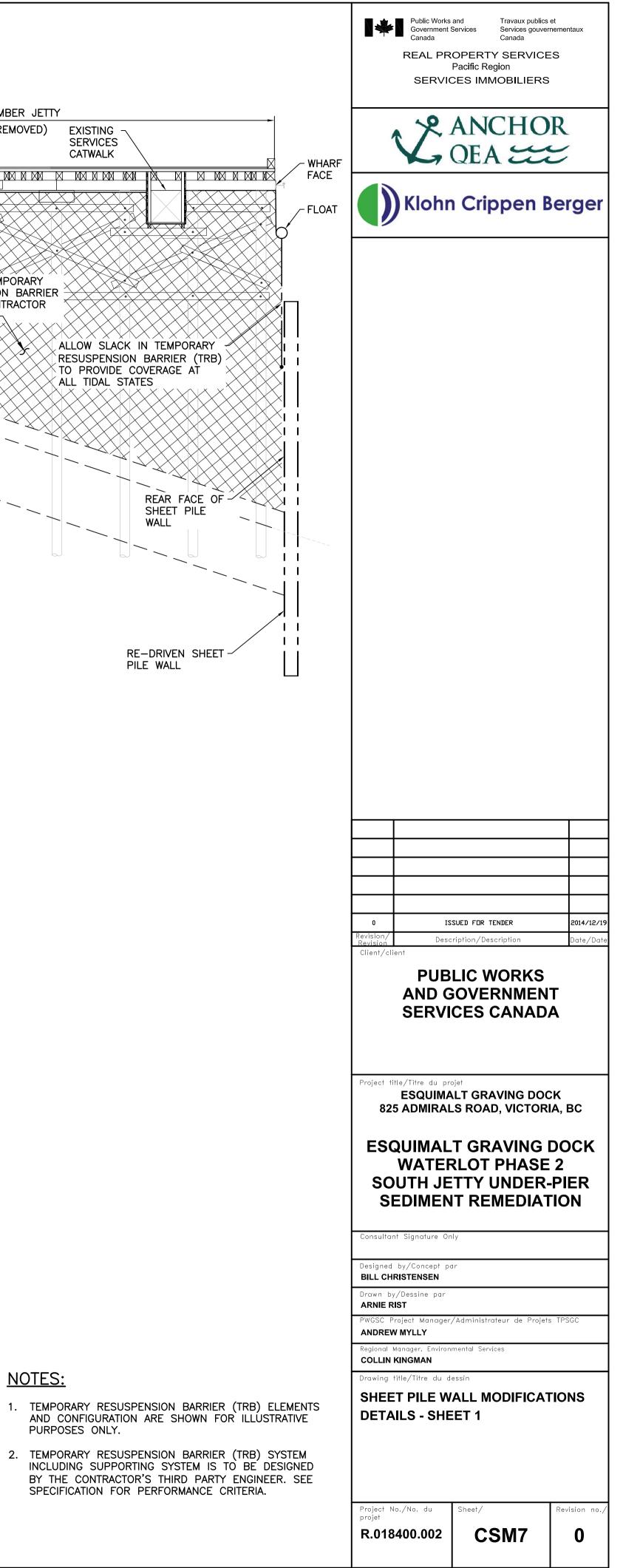


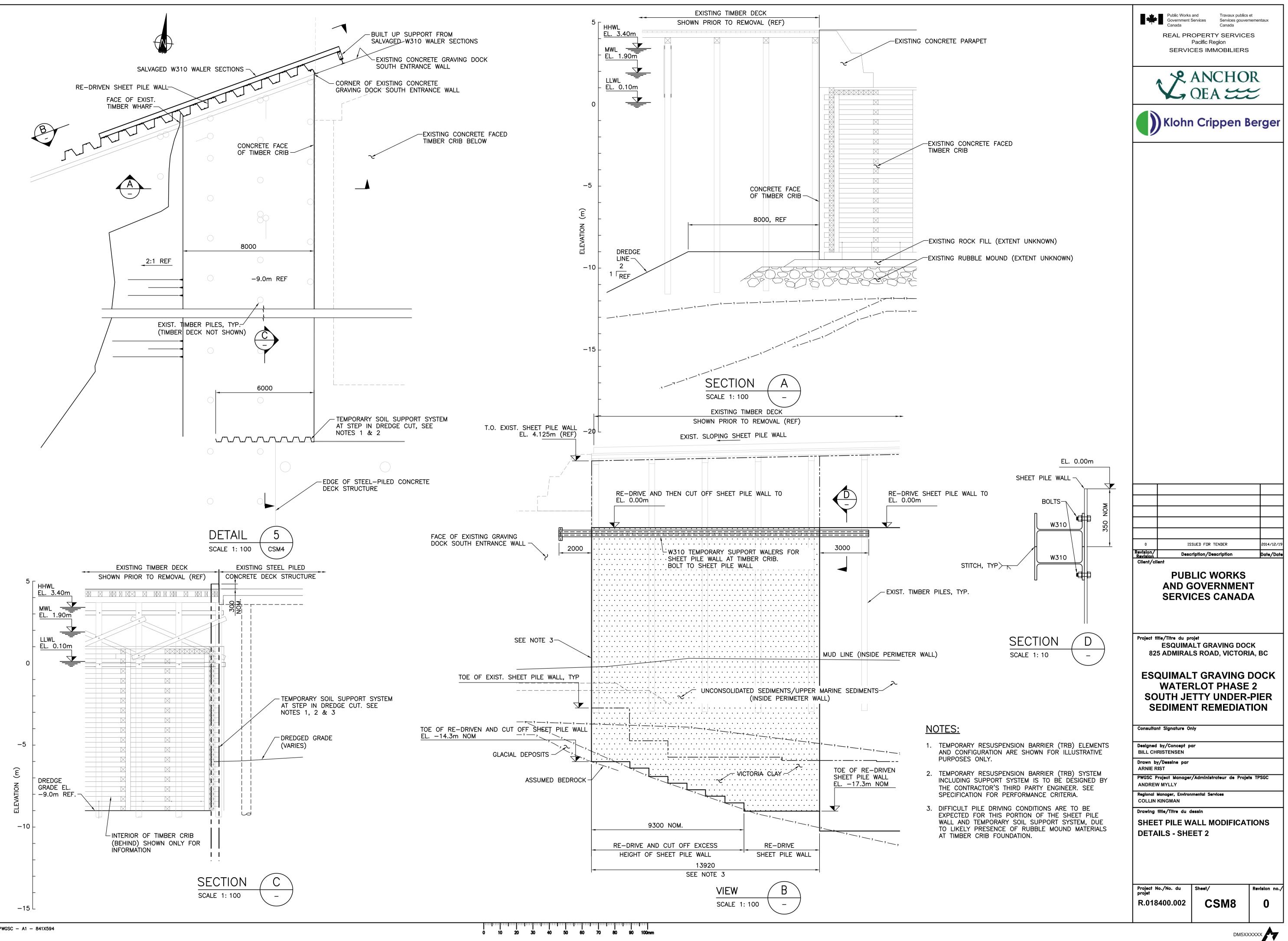


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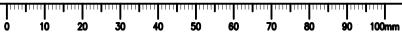
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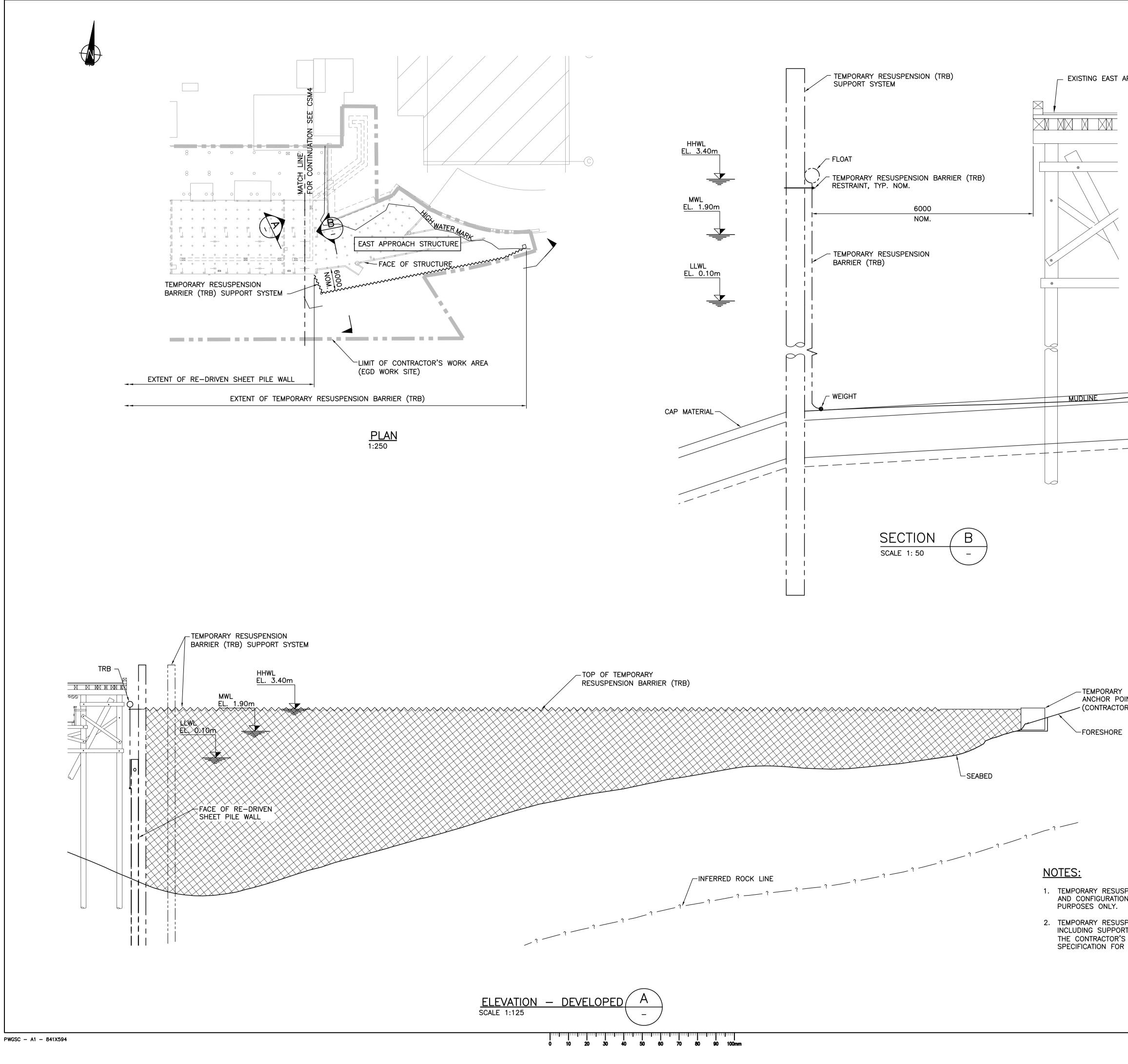
FEXISTING CONCRETE EXISTING STEEL-PILED DECK STRUCTURE EXISTING TIMBER JETTY (TO BE REMOVED) UNDERSIDE OF JETTY STRUCTURE EXAMPLE TEMPORARY RESUSPENSION BARRIER DIVIDING CONTRACTOR SUB-AREAS REMEDIATED SLOPE FACE OF EXISTING SHEET CAP -PILE BULKHEAD <u>I</u> DREDGE SLOPE Ы Ы Ы SECTION А SCALE 1: 100





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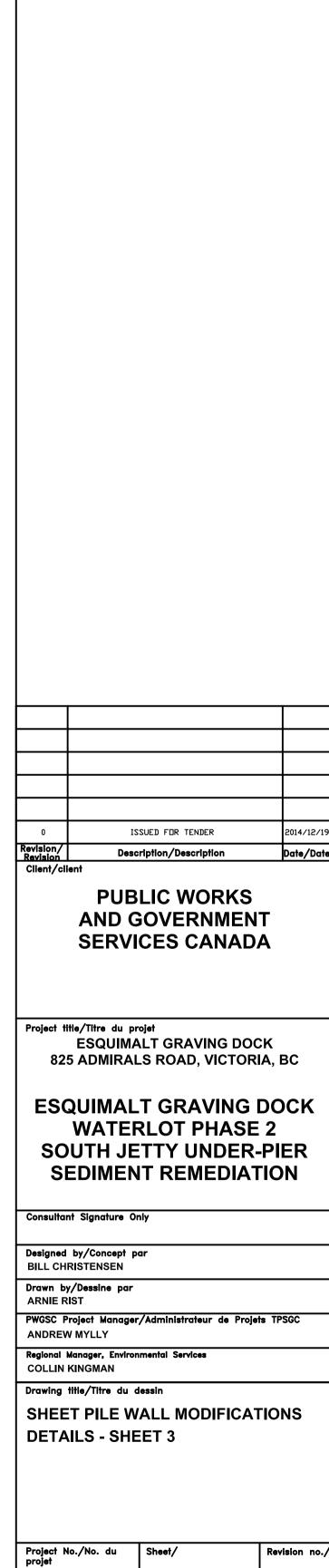
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	PWGSC Project Manager/Adm ANDREW MYLLY
RESUSPENSION BARRIER (TRB) ELEMENTS JRATION ARE SHOWN FOR ILLUSTRATIVE	Regional Manager, Environmenta COLLIN KINGMAN
NLY.	Drawing title/Titre du dessin
RESUSPENSION BARRIER (TRB) SYSTEM JPPORT SYSTEM IS TO BE DESIGNED BY CTOR'S THIRD PARTY ENGINEER. SEE N FOR PERFORMANCE CRITERIA.	SHEET PILE WALL DETAILS - SHEET

R.018400.002

- TEMPORARY ANCHOR POINT - (CONTRACTOR DESIGN)

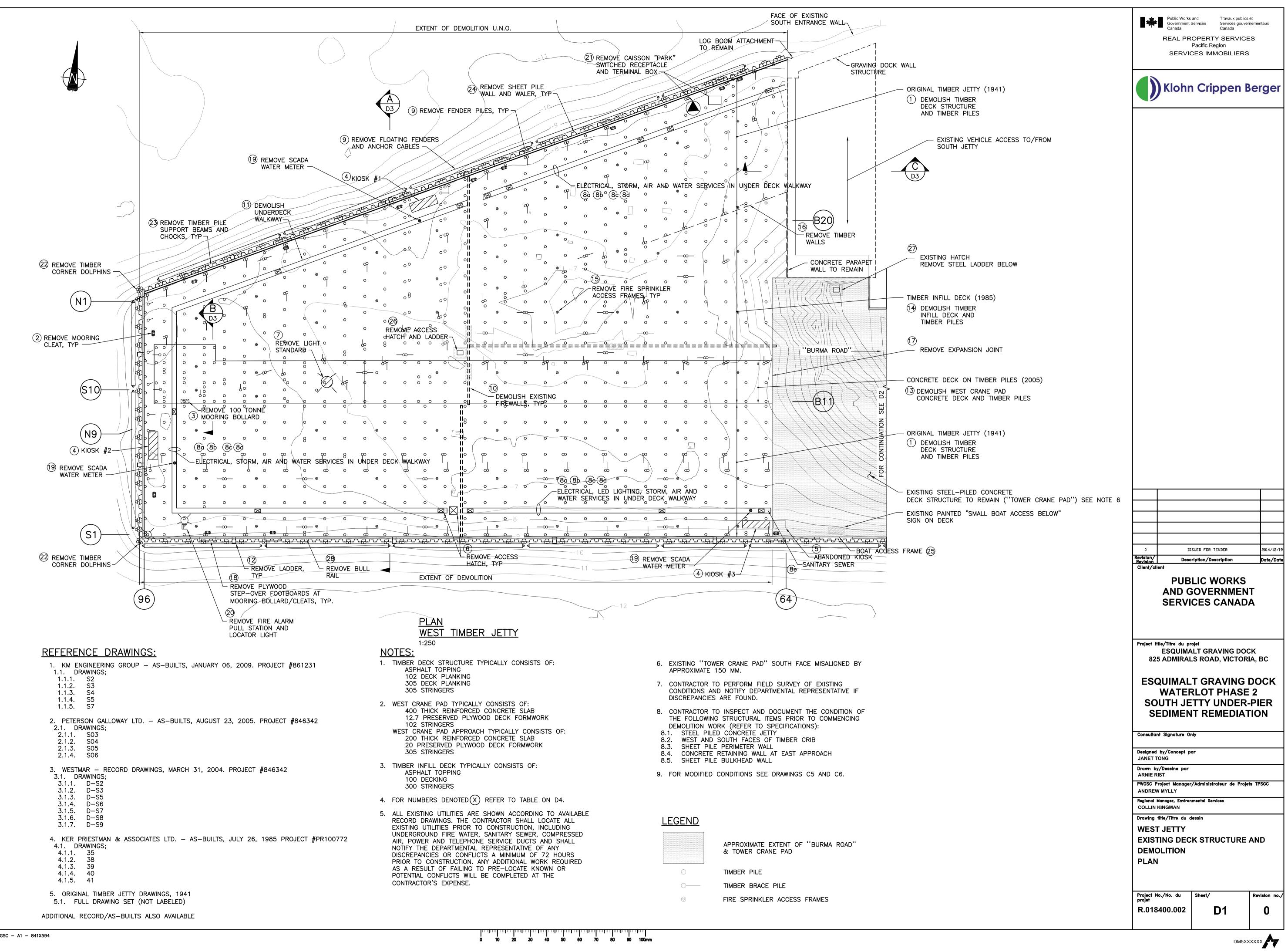


- EXISTING EAST APPROACH STRUCTURE

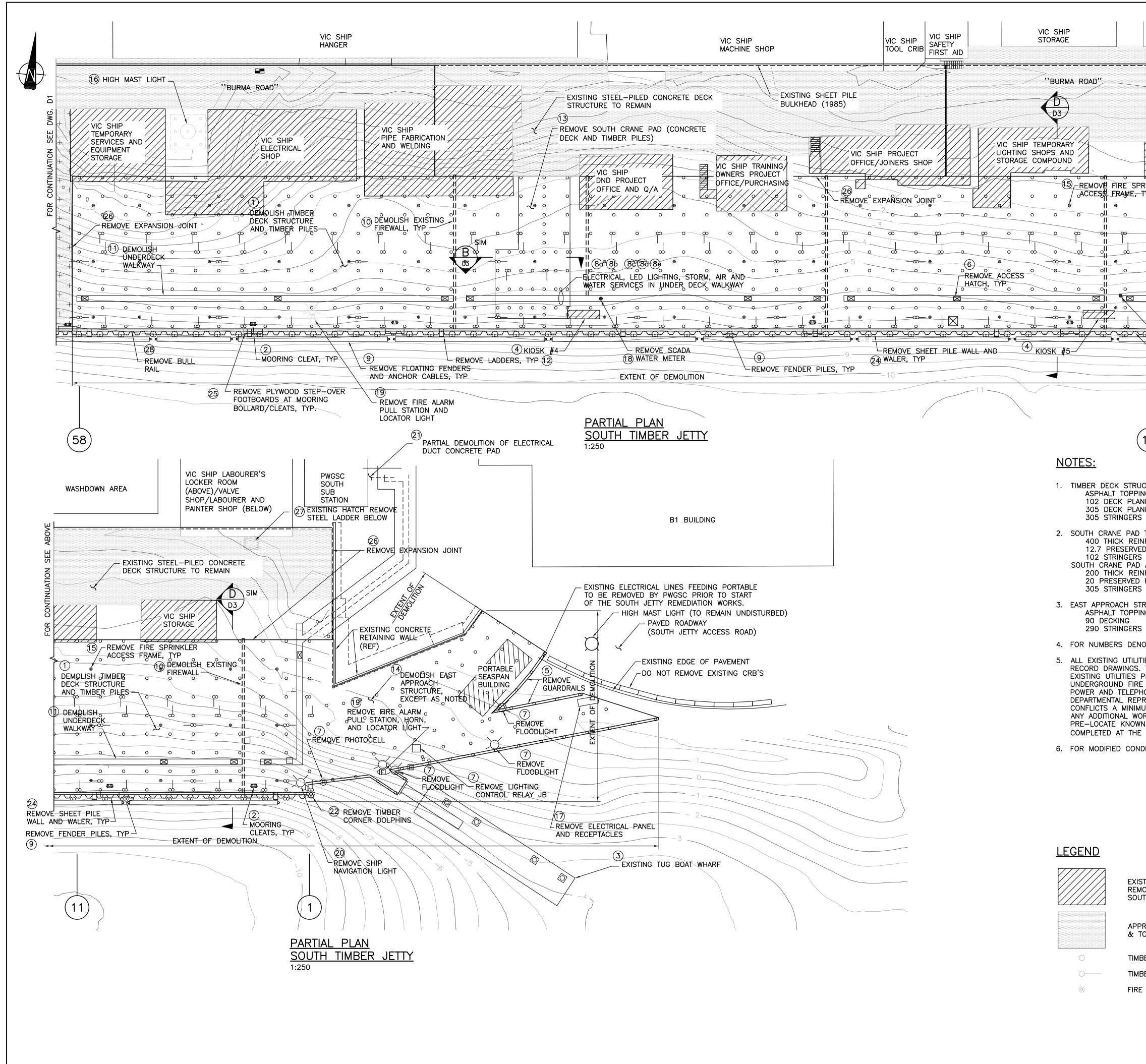
Public Works and Government Services Canada Canada Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS

**ANCHOR** 

Klohn Crippen Berger

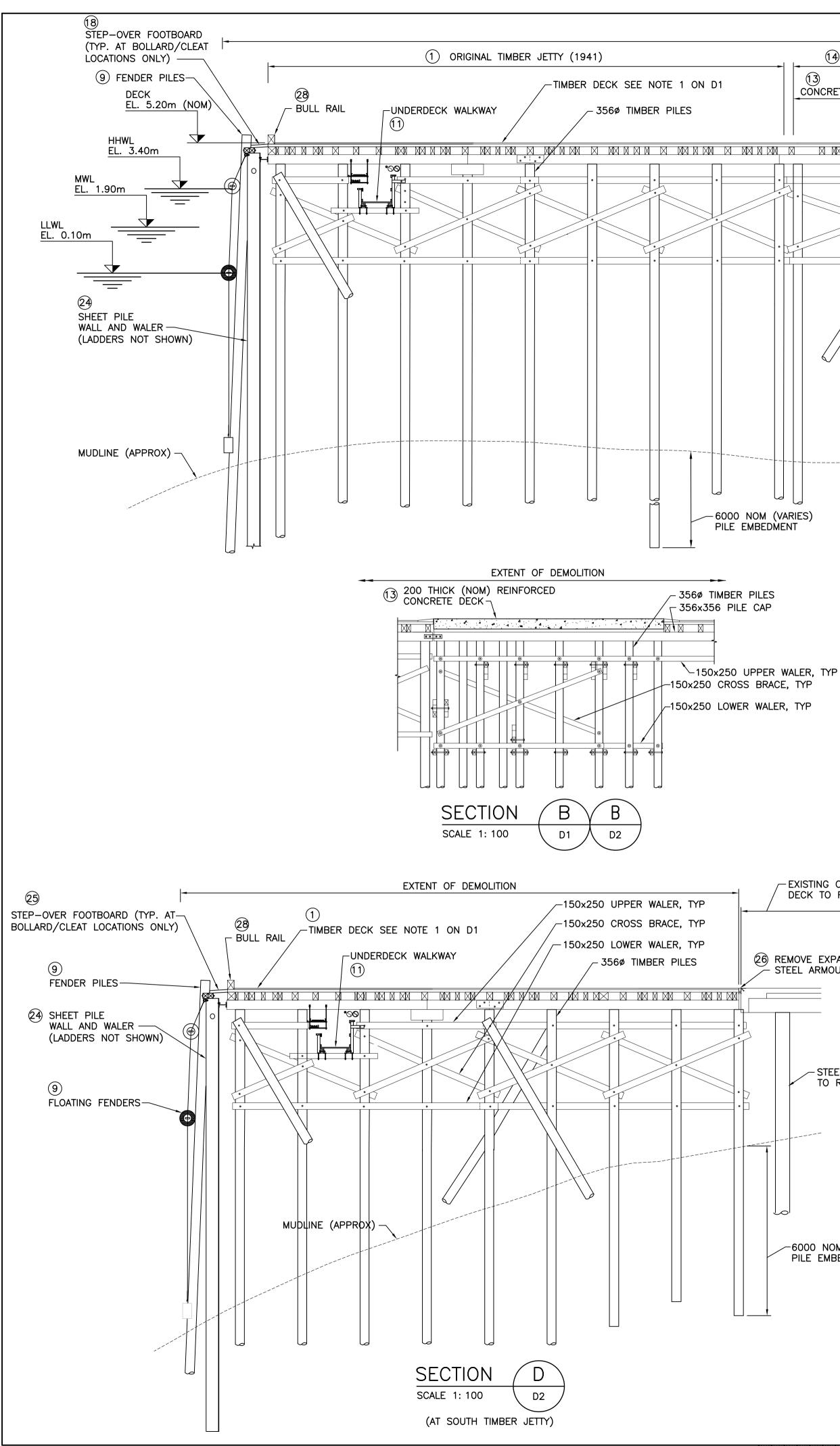


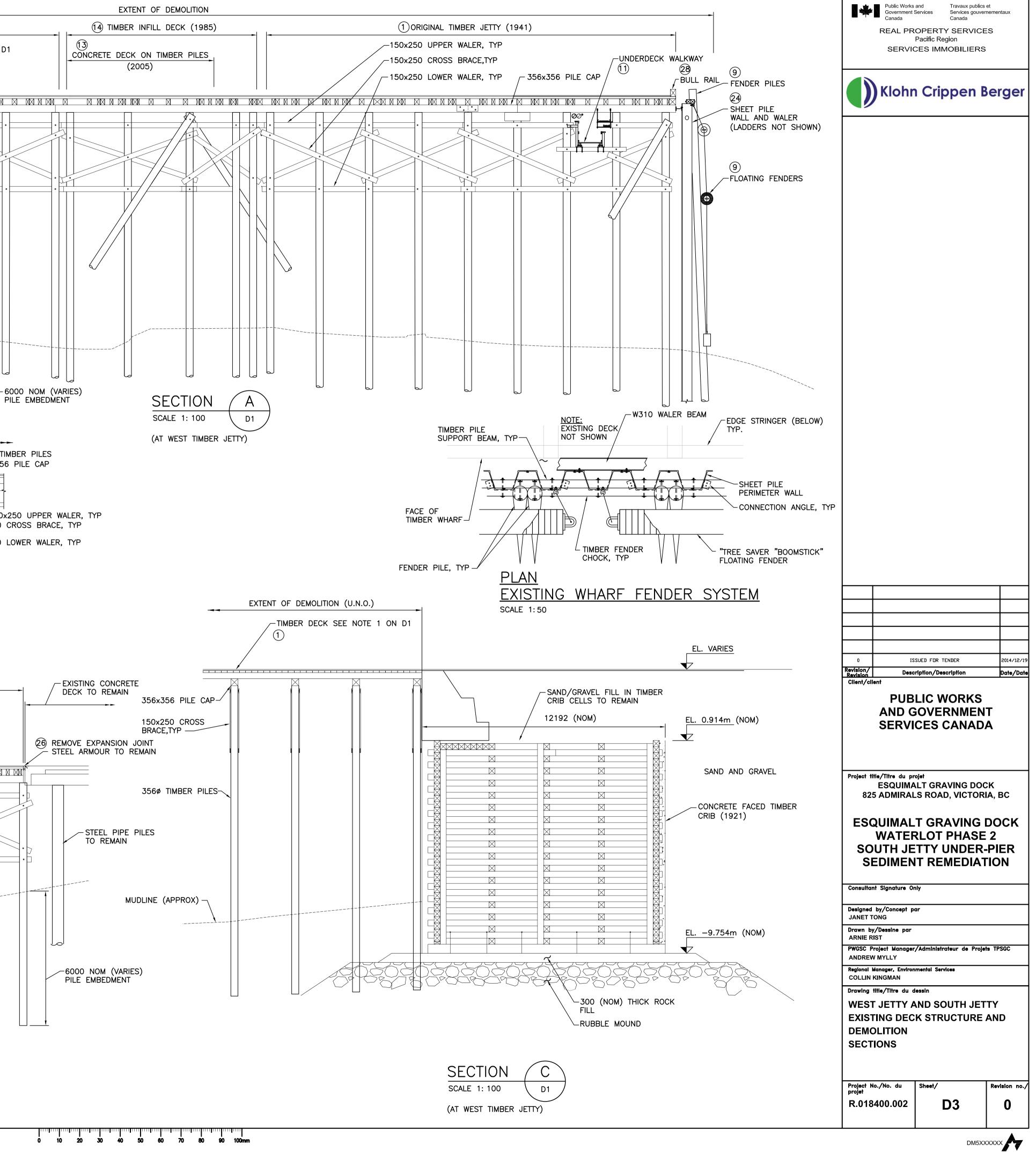
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	Public Works and Government Services Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS
SEE BELOW	Klohn Crippen Berger
CONTINUATION	
18 REMOVE SCADA WATER METER REMOVE TIMBER PILE	
23 SUPPORT BEAMS AND CHOCKS, TYP	
12)	
TURE TYPICALLY CONSISTS OF: G KING KING	
TYPICALLY CONSISTS OF: FORCED CONCRETE SLAB ) PLYWOOD DECK FORMWORK	
APPROACH TYPICALLY CONSISTS OF: FORCED CONCRETE SLAB PLYWOOD DECK FORMWORK	
CUCTURE TYPICALLY CONSISTS OF: G	
TED REFER TO TABLE ON D5.	0     ISSUED FOR TENDER     2014/12/19       Revision/ Revision     Description/Description     Date/Date       Client/client     Client/client     Client/client
ES ARE SHOWN ACCORDING TO AVAILABLE THE CONTRACTOR SHALL LOCATE ALL RIOR TO CONSTRUCTION, INCLUDING WATER, SANITARY SEWER, COMPRESSED AIR, DNE SERVICE DUCTS AND SHALL NOTIFY THE ESENTATIVE OF ANY DISCREPANCIES OR M OF 72 HOURS PRIOR TO CONSTRUCTION. RK REQUIRED AS A RESULT OF FAILING TO OR POTENTIAL CONFLICTS WILL BE CONTRACTOR'S EXPENSE.	PUBLIC WORKS AND GOVERNMENT SERVICES CANADA
ITIONS SEE DRAWINGS C5 AND C6.	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
	Consultant Signature Only Designed by/Concept par
TING STRUCTURES AND BUILDINGS TO BE OVED BY PWGSC PRIOR TO START OF THE TH JETTY REMEDIATION WORKS.	JANET TONG Drawn by/Dessine par ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC
OXIMATE EXTENT OF ''BURMA ROAD'' WER CRANE PAD	ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin
ER PILE ER BRACE PILE SPRINKLER ACCESS FRAMES	SOUTH JETTY EXISTING DECK STRUCTURE AND DEMOLITION PLAN
	Project No./No. du Sheet/ projet R.018400.002 D2 0





WEST TI	MBER JETTY ITEMS DEMOLISHED, F	REMOVED, RELOCATED, OR RETAINED
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 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.
( <b>8</b> a	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.
(8d	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 CHOCK
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:

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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.

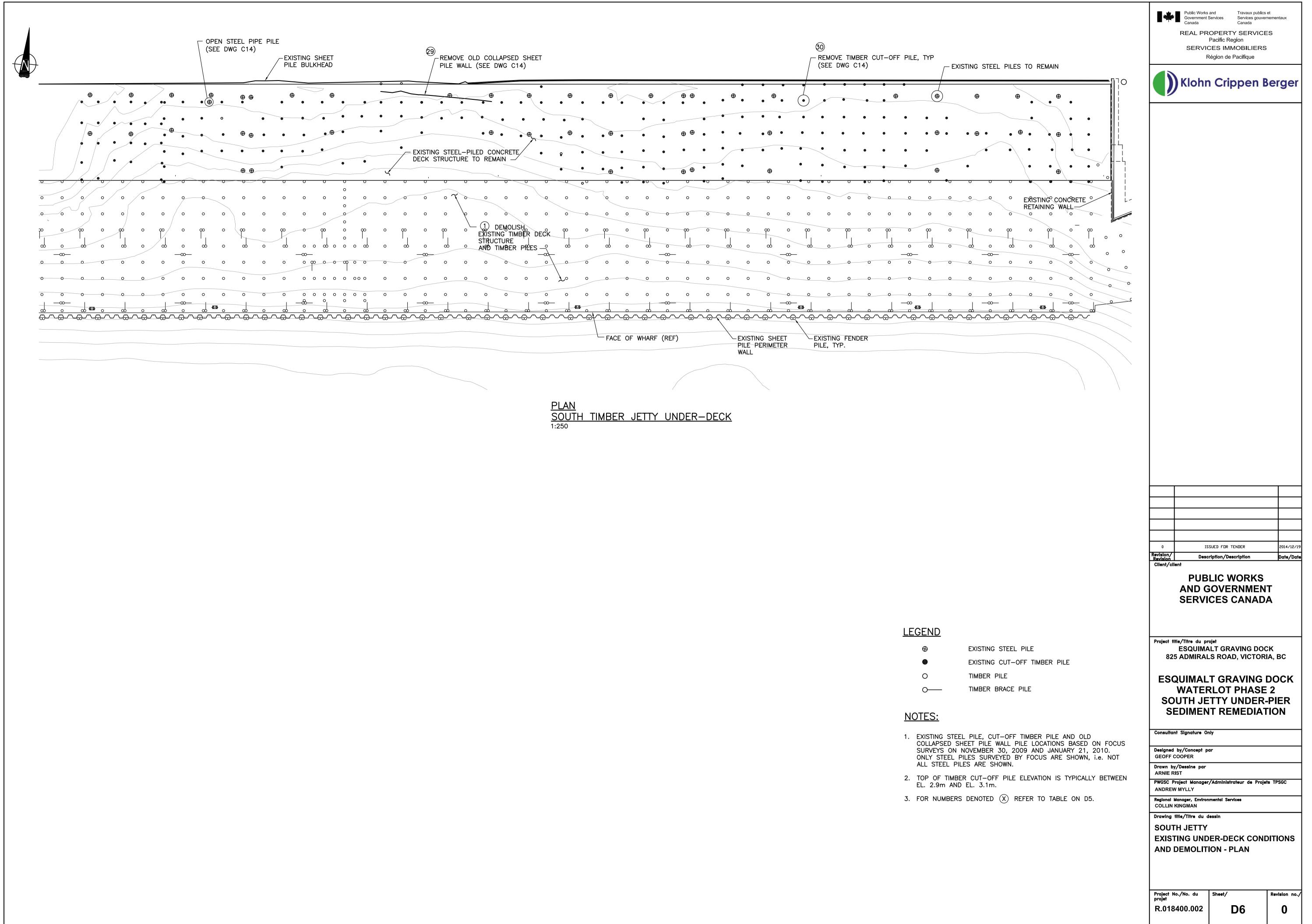
Public Works and Government Services Canada Canada Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique Klohn Crippen Berger ISSUED FOR TENDER 2014/12/19 0 Revision/ Revision Client/client Description/Description Date/Date PUBLIC WORKS AND GOVERNMENT SERVICES CANADA Project title/Titre du projet ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION Consultant Signature Only Designed by/Concept par GEOFF COOPER Drawn by/Dessine par ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin WEST JETTY DEMOLITION ITEM DESCRIPTION AND **ACTION TABLE** Project No./No. du Sheet/ projet Revision no./ R.018400.002 **D4** 0

SOUTH	TIMBER JETTY ITEMS DEMOLISHE	D, 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 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.
(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 IN 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 AN 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 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:

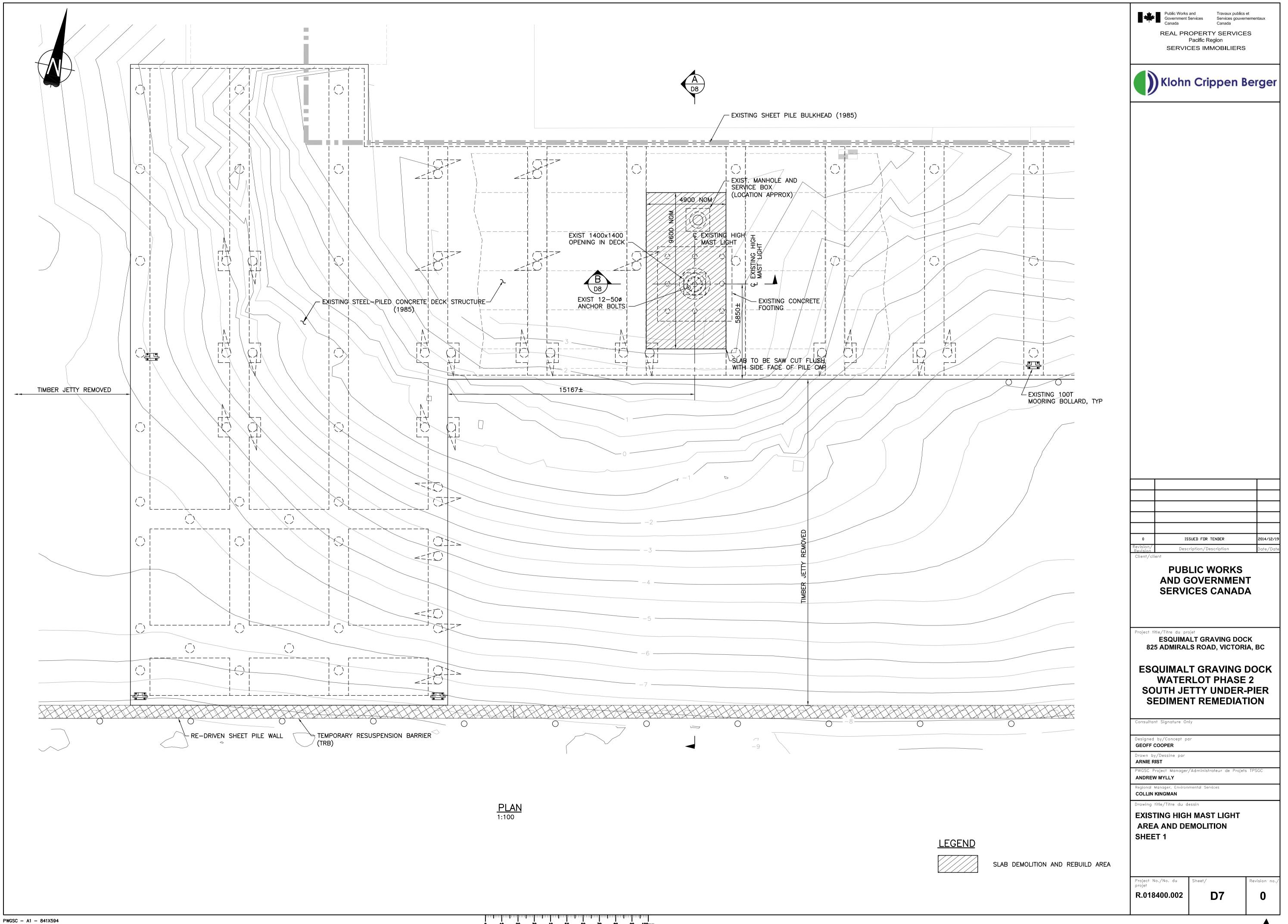
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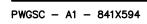
Public Works and Government Services Canada Canada Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique Klohn Crippen Berger ISSUED FOR TENDER 2014/12/19 0 Revision/ Revision Client/client Description/Description Date/Date PUBLIC WORKS AND GOVERNMENT SERVICES CANADA Project title/Titre du projet ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD, VICTORIA, BC ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION Consultant Signature Only Designed by/Concept par GEOFF COOPER Drawn by/Dessine par ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin SOUTH JETTY DEMOLITION ITEM DESCRIPTION AND **ACTION TABLE** Project No./No. du Sheet/ projet Revision no./ R.018400.002 **D5** 0

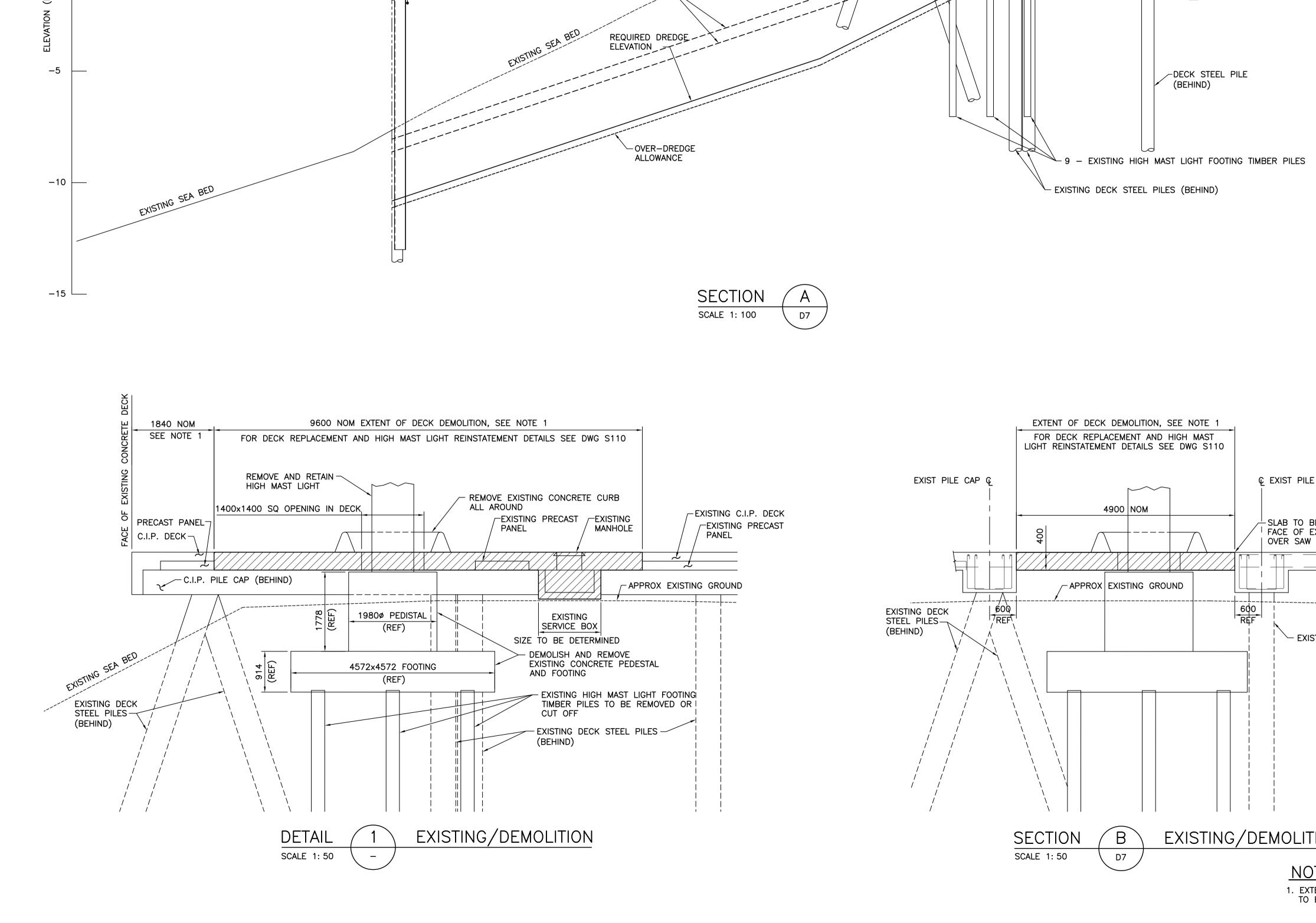


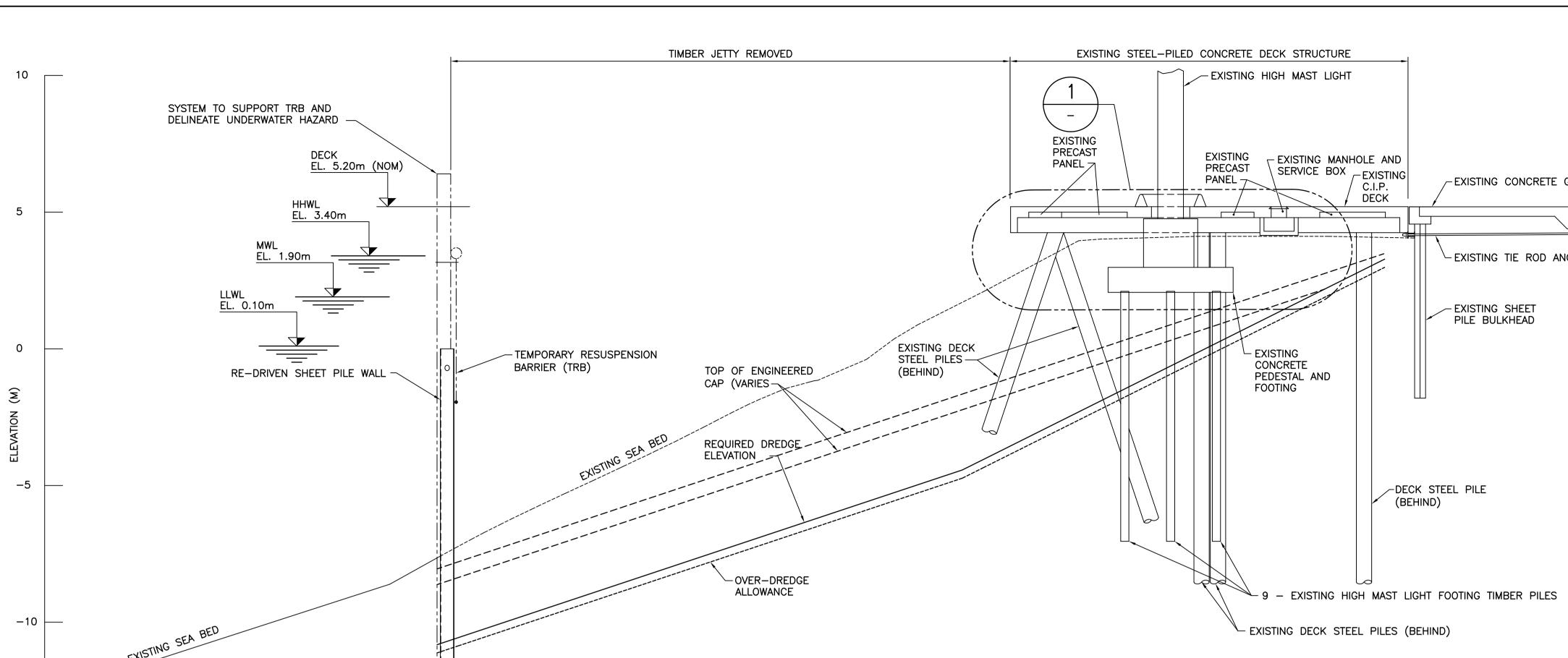
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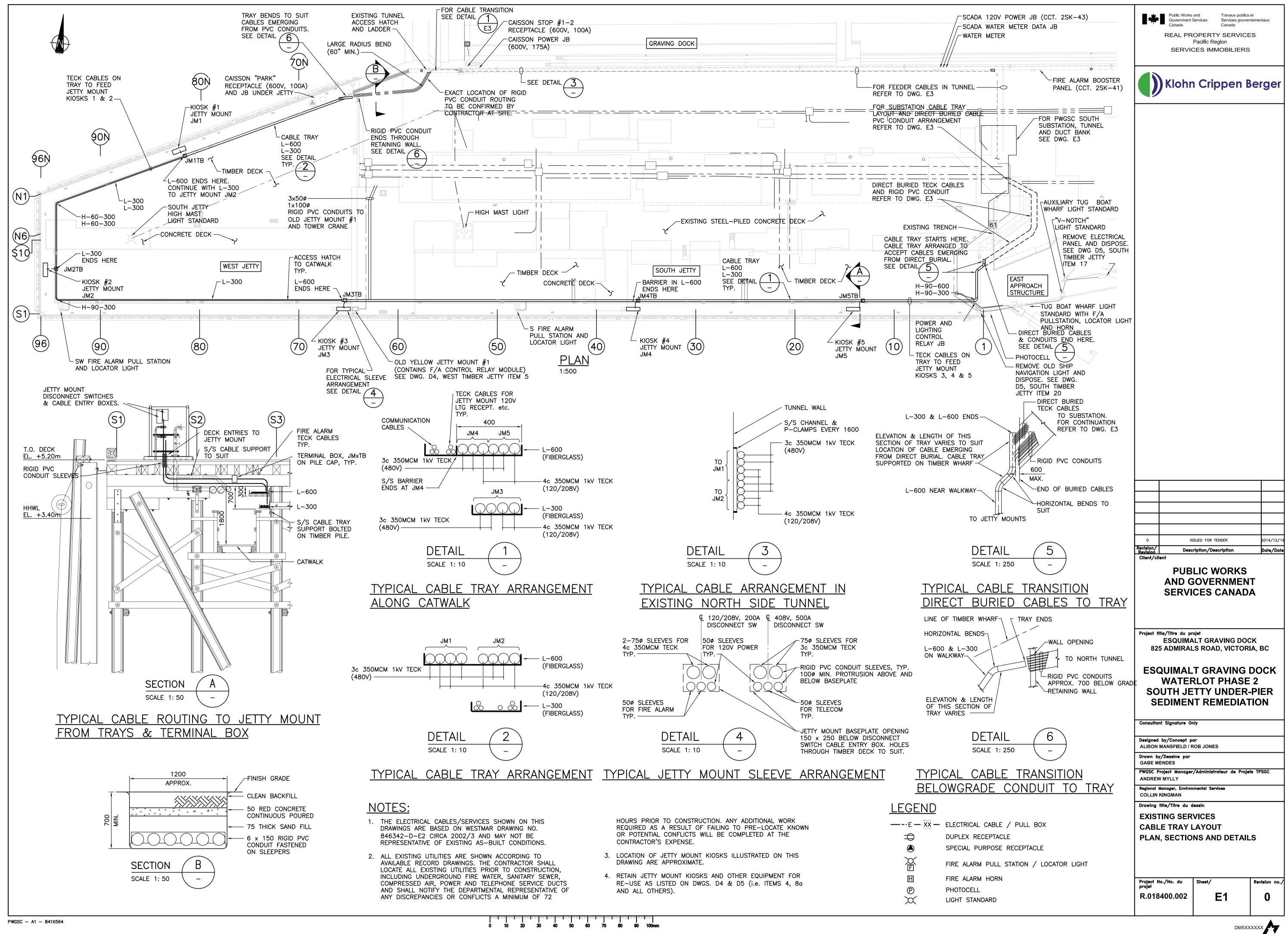


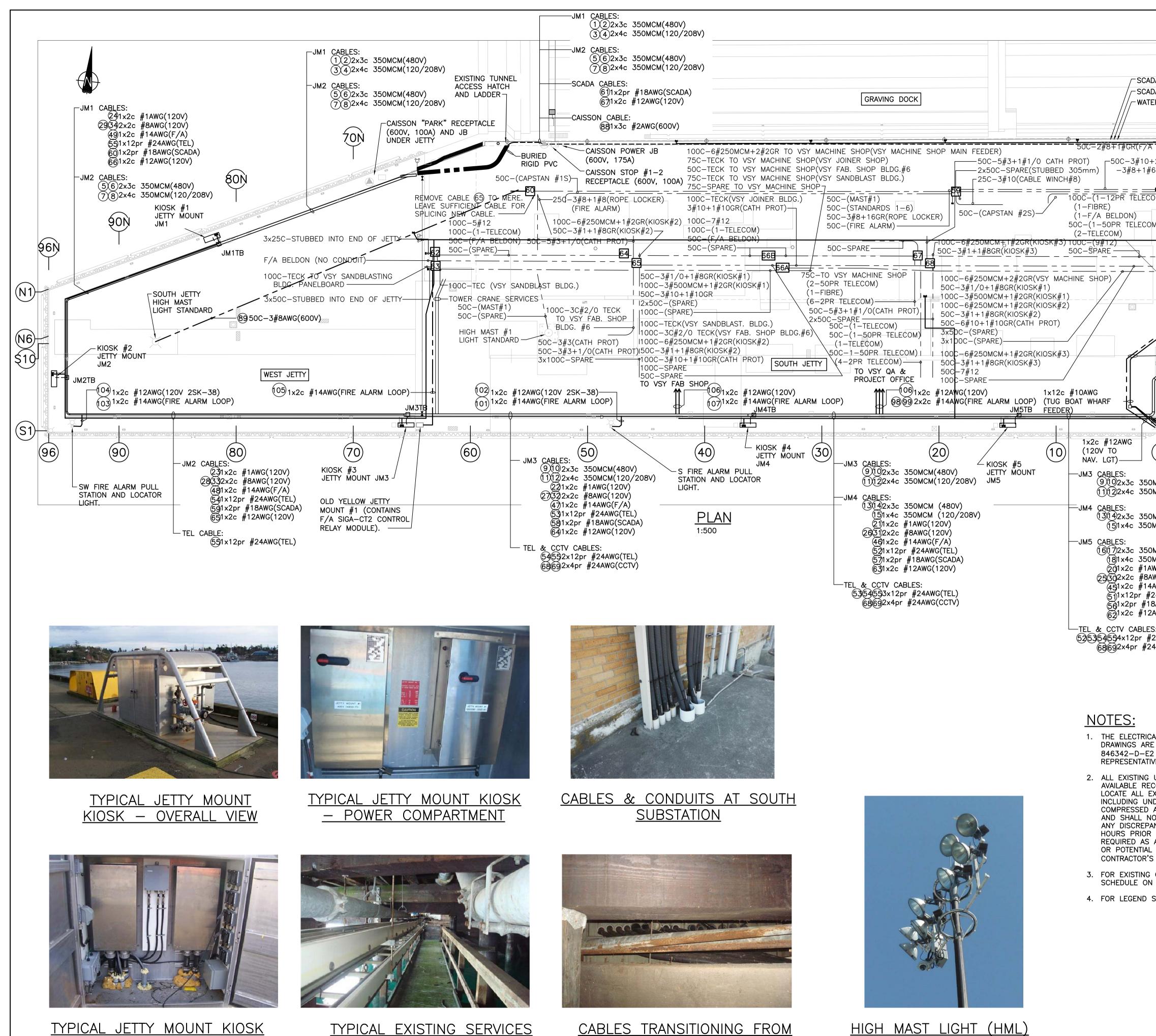






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NG DECK STEEL PILES (BEHIND)	SEDIMENT REMEDIATION	
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	GEOFF COOPER	
	Drawn by/Dessine par ARNIE RIST	
	Drawn by/Dessine par <b>ARNIE RIST</b> PWGSC Project Manager/Administrateur de Projets TPSGC <b>ANDREW MYLLY</b>	
	Drawn by/Dessine par <b>ARNIE RIST</b> PWGSC Project Manager/Administrateur de Projets TPSGC	
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	Drawn by/Dessine par ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin EXISTING HIGH MAST LIGHT	
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<u>DN</u>	Drawn by/Dessine par ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin EXISTING HIGH MAST LIGHT LIGHT AREA AND DEMOLITION	
	Drawn by/Dessine par ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin EXISTING HIGH MAST LIGHT LIGHT AREA AND DEMOLITION	
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DN ES: ITS OF DEMOLITION AND REPLACEMENT DECK	Drawn by/Dessine par ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin EXISTING HIGH MAST LIGHT LIGHT AREA AND DEMOLITION SHEET 2 Project No./No. du Sheet/ Revision	





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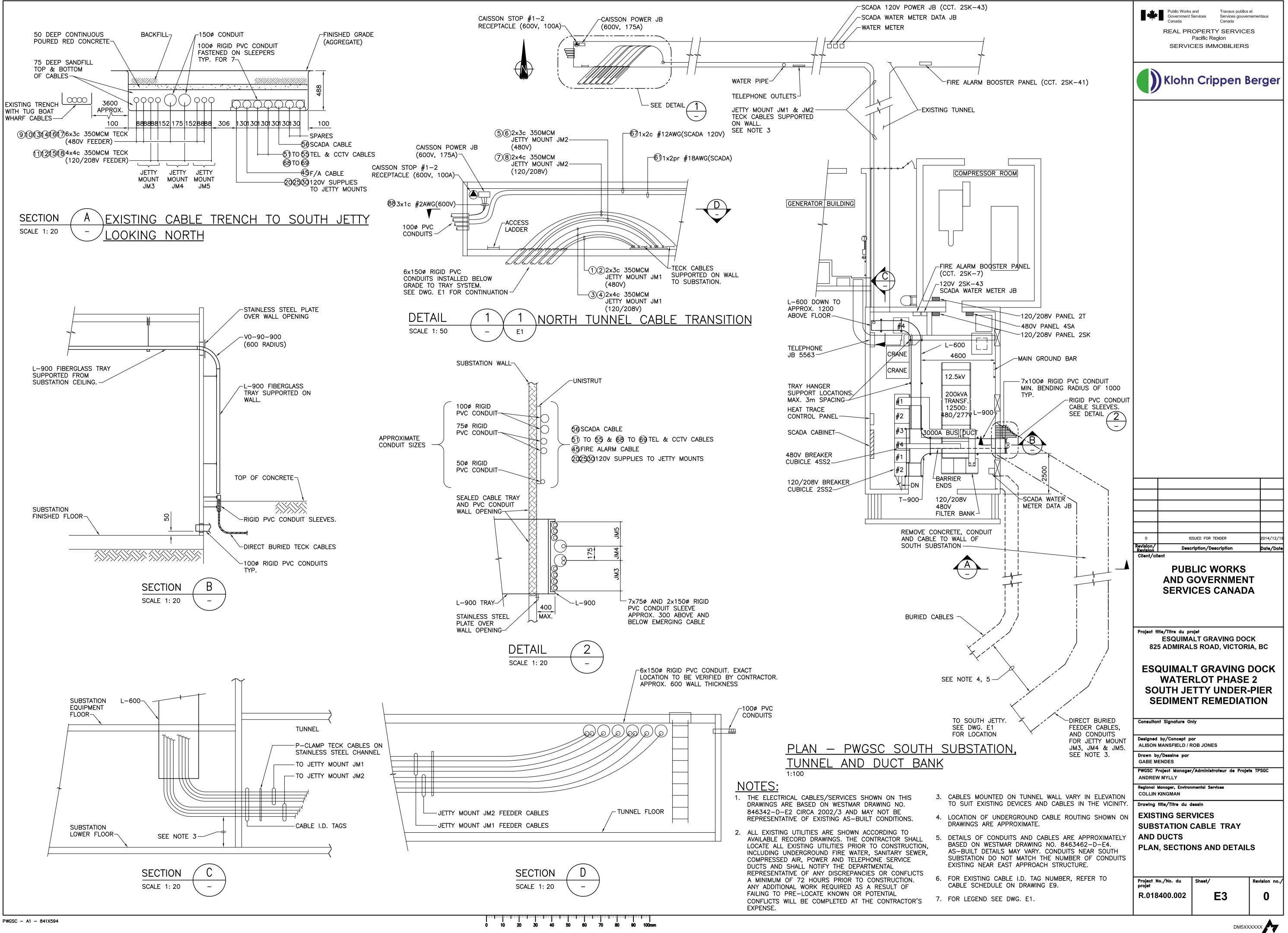
CABLES TRANSITIONING FROM SLEEVES/CONDUITS TO TRAY UNDER JETTY

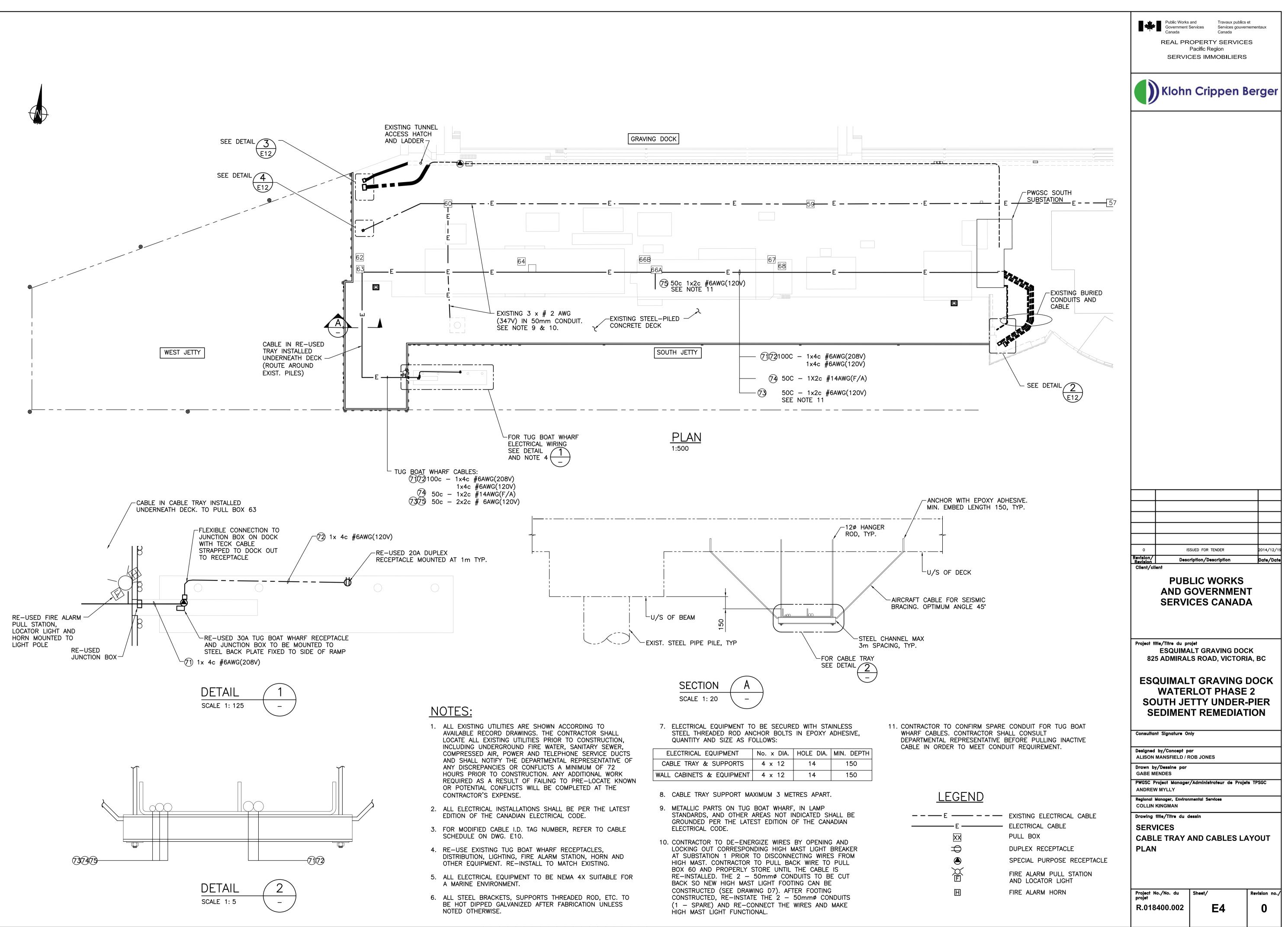
UNDER SOUTH JETTY

HIGH MAST LIGHT (HML) ASSEMBLY & CCTV CAMERA <u>SYSTEM</u>

	•			nementaux ES
DA 120V POWER JB (CCT. 2SK-43) DA WATER METER DATA JB ER METERFIRE ALARM BOOSTER PANEL (CCT. 2SK-41)		Klohr	n Crippen B	Berger
= = = = = = = = = = = = = = = = = = =				
SOC-(CAPSTAN #2S)         SOC-(CAPSTAN #2S)         M       SUB         SUB       (ROPE LOCKER)         SUB       2C-PYRO TO PANEL '2S'         (WINCH #7/#8 RECEP)         2x75C-3#3/0("K" BLDG)				
-12PR TELECOM TO #67 -12PR TELECOM TO TEL. CABINET IN SOUTH SUB. -6PR TELECOM TO TEL. CABINET IN SOUTH SUB. ACCESS ROAD				
BURIED CABLES. REMOVE CABLES TO BREAKER PANELS IN SOUTH SUBSTATION EAST APPROACH STRUCTURE				
(120/208V TO ELEC. PANEL)				
TUG BOAT WHARF CABLES (EXISTING):         91922x3c #10AWG(208V)         93 TO 975x3c #12AWG(120V)         981x2c #12AWG(F/A HORN)         991x2c #14AWG(F/A)         901x2c #12AWG(120V)         9102x3c #12AWG(F/A HORN)         9102x3c #12AWG(F/A HORN)         9102x3c #12AWG(F/A)         9102x3c #12AWG(F/A)         9102x3c #12AWG(120V)				
MCM (480V) MCM (120/208V)				
MCM (480V) MCM (120/208V) WG(120V) WG(120V) AWG(F/A) 24AWG(TEL) 8AWG(SCADA)				
AWG(120V) S: 24AWG(TEL)	0	IS	SUED FOR TENDER	2014/12/19
4AWG(CCTV)	Revision/ Revision Client/cli	Desc ent PUB AND G	ription/Description	Date/Date
AL CABLES/SERVICES SHOWN ON THIS E BASED ON WESTMAR DRAWING NO. 2 CIRCA 2002/3 AND MAY NOT BE VE OF EXISTING AS-BUILT CONDITIONS. UTILITIES ARE SHOWN ACCORDING TO CORD DRAWINGS. THE CONTRACTOR SHALL		•	ojet ILT GRAVING DOO S ROAD, VICTOR	
XISTING UTILITIES PRIOR TO CONSTRUCTION, IDERGROUND FIRE WATER, SANITARY SEWER, AIR, POWER AND TELEPHONE SERVICE DUCTS OTIFY THE DEPARTMENTAL REPRESENTATIVE OF ANCIES OR CONFLICTS A MINIMUM OF 72 TO CONSTRUCTION. ANY ADDITIONAL WORK A RESULT OF FAILING TO PRE-LOCATE KNOWN CONFLICTS WILL BE COMPLETED AT THE S EXPENSE.	SC SE	WATEF OUTH JE	T GRAVING RLOT PHASE ETY UNDER- IT REMEDIA	2 PIER
CABLE I.D. TAG NUMBER, REFER TO CABLE I DRAWING E9.	Designed	by/Concept po MANSFIELD / R	ar	
SEE DWG. E1.	GABE M	roject Manager	/Administrateur de Proje	ts TPSGC
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	EXIST ELEC	ING SER	VICES CABLES AND KI	OSKS
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0 10 20 30 40 50 60 70 80 90 100mm

I.D. TAG	CABLE I.D. NUMBER	CABLE SIZE	CABLE TYPE	SERVICE DESCRIPTION	
<u> </u>	4SS271-JM1/1 4SS271-JM1/2	3c 350 MCM 3c 350 MCM	TECK 90 TECK 90	480V, FEEDER 480V, FEEDER	
3	2SS261-JM1/1	4c 350 MCM	TECK 90	120/208V, FEEDER	
4	2SS261-JM1/2	4c 350 MCM	TECK 90	120/208V, FEEDER 480V, FEEDER	
<u>5</u> 6	4SS272-JM2/1 4SS272-JM2/2	3c 350 MCM 3c 350 MCM	TECK 90 TECK 90	480V, FEEDER	5
7	2SS262-JM2/1	4c 350 MCM	TECK 90	120/208V, FEEDER	S
<u> </u>	2SS262-JM2/2 4SS273-JM3/1	4c 350 MCM 3c 350 MCM	TECK 90 TECK 90	120/208V, FEEDER 480V, FEEDER	S
10	4SS273-JM3/2	3c 350 MCM	TECK 90	480V, FEEDER	S
11	2SS263-JM3/1	4c 350 MCM	TECK 90	120/208V, FEEDER	S
<u>12</u> 13	2SS263-JM3/2 4SS274-JM4/1	4c 350 MCM 3c 350 MCM	TECK 90 TECK 90	120/208V, FEEDER 480V, FEEDER	5
14	4SS274–JM4/2	3c 350 MCM	TECK 90	480V, FEEDER	S
15	2SS264-JM4	4c 350 MCM	TECK 90	120/208V, FEEDER	
<u> </u>	4SS275-JM5/1 4SS275-JM5/2	3c 350 MCM 3c 350 MCM	TECK 90 TECK 90	480V, FEEDER 480V, FEEDER	5
18	2SS265–JM5	4c 350 MCM	TECK 90	120/208V, FEEDER	S
<u>19</u> 20	NOT USED 2SS2JB-JM5TB/1	2c #1 AWG	TECK 90	120V, 15A FEEDER	S
20	JM5TB-JM4TB/1	2c #1 AWG	TECK 90	120V, 10X 1220ER	T
22	JM4TB-JM3TB/1	2c #1 AWG	TECK 90	120V	T
<u>23</u> 24	JM3TB-JM2TB/1 JM2TB-JM1TB/1	2c #1 AWG 2c #1 AWG	TECK 90 TECK 90	120V 120V	 Т
25	2SS2-JM5TB/2	2c #8 AWG	TECK 90	120V, 15A FEEDER	S
<u>26</u> 27	JM5TB–JM4TB/2 JM4TB–JM3TB/2	2c #8 AWG 2c #8 AWG	TECK 90 TECK 90	120V 120V	T
27	JM3TB-JM2TB/2	2c #8 AWG	TECK 90	120V	י ד
29	JM2TB-JM1TB/2	2c #8 AWG	TECK 90	120V	T
<u> </u>	2SKCCT42–JM5TB JM5TB–JM4TB/3	2c #8 AWG 2c #8 AWG	ТЕСК 90 ТЕСК 90	120V, 15A FEEDER 120V	S
32	JM4TB–JM3TB/3	2c #8 AWG	TECK 90	120V	י ד
33	JM3TB-JM2TB/3	2c #8 AWG	TECK 90	120V	T
<u> </u>	JM2TB-JM1TB/3 JM5TB-JM5/1	2c #8 AWG 4c #12 AWG	TECK 90 TECK 90	120V 120V	ן   ד
36	JM5TB-JM5/2	2c #12 AWG	TECK 90	120V	T
<u> </u>	JM4TB-JM4/1 JM4TB-JM4/2	4c #12 AWG 2c #12 AWG	TECK 90 TECK 90	120V 120V	Т   т
39	JM3TB-JM3/1	4c #12 AWG	TECK 90	120V	י ד
40	JM3TB-JM3/2	2c #12 AWG	TECK 90	120V	T
<u>41</u> 42	JM2TB-JM2/1 JM2TB-JM2/2	4c #12 AWG 2c #12 AWG	TECK 90 TECK 90	120V 120V	 Т
43	JM1TB-JM1/1	4c #12 AWG	TECK 90	120V	Т
<u>44</u> 45	JM1TB-JM1/2 F/A BOX-JM5	2c #12 AWG 2c #14 AWG	TECK 90 TECK 90	120V FIRE ALARM	T
46	JM5–JM4/FA	2c #14 AWG	TECK 90	FIRE ALARM	J
47	JM4–JM3/FA	2c #14 AWG	TECK 90	FIRE ALARM	J
<u>48</u> 49	JM3–JM2/FA JM2–JM1/FA	2c #14 AWG 2c #14 AWG	TECK 90 TECK 90	FIRE ALARM	U J
50	NOT USED				
<u>51</u> 52	TEL BOX-JM5 TEL BOX-JM4	12pr #24 AWG 12pr #24 AWG	TEL TEL	TELEPHONE TELEPHONE	T
53	TEL BOX-JM3	12pr #24 AWG	TEL	TELEPHONE	י   ד
54	TEL BOX-JM2	12pr #24 AWG	TEL	TELEPHONE	T
<u> </u>	TEL BOX-JM1 SCADA BOX-JM5-0400E1	12pr #24 AWG 2pr #18 AWG	TEL STP RS485 AIA JKT	TELEPHONE SCADA	
57	JM5-JM4/SCADA-0400E2	2pr #18 AWG	STP RS485 AIA JKT	SCADA	J
<u>58</u> 59	JM4–JM3/SCADA–0400E3 JM3–JM2/SCADA–0400E4	2pr #18 AWG 2pr #18 AWG	STP RS485 AIA JKT STP RS485 AIA JKT	SCADA SCADA	J
60	JM2-JM2/SCADA-0400E5	2pr #18 AWG	STP RS485 AIA JKT	SCADA	J
61	JM1-DRYDOCK SPARE	2pr #18 AWG	STP RS485 AIA JKT	SCADA	J
62 63	2SKCCT43-JM5 120V JM5-JM4 120V 2SK-43	2c #12 AWG 2c #12 AWG	TECK 90 TECK 90	120V 120V	<u>ح</u> ال
64	JM4-JM3 120V 2SK-43	2c #12 AWG	TECK 90	120V	J
<u>65</u> 66	JM3-JM2 120V 2SK-43 JM2-JM1 120V 2SK-43	2c #12 AWG 2c #12 AWG	TECK 90 TECK 90	120V 120V	J
67	JM1-TUNNEL 120V 25K-43	2c #12 AWG	TECK 90	120V	J
68	TOWER CRANE CAMERA	4pr #24 AWG	UTP CAT5e	CCTV	S
<u>69</u> 70	TOWER CRANE CAMERA	4pr #24 AWG	UTP CAT5e	CCTV	S
71	NOT USED				
72 73	NOT USED NOT USED				
<u> </u>	NOT USED				
75	NOT USED				
<u>76</u> 77	NOT USED NOT USED				
78	NOT USED				
79	NOT USED				
<u>80</u> 81	NOT USED NOT USED				
82	NOT USED				
<u>83</u> 84	NOT USED NOT USED				
85	NOT USED				
86	NOT USED				
<u>87</u> 88	NOT USED CAISSON 1/2JB-PARKJM1	3c #2 AWG	TECK 90	600V	C
89	6SHCCT26-SJ HIGH MAST	3c #1 AWG	RW90/TECK 90	347V	N
<u>90</u> 91	NOT USED 2SKCCT18/20-TUG1	4c #8 AWG			c
91	2SKCCT22/24-TUG2	4c #8 AWG 4c #8 AWG	TECK 90	208V 208V	5
93	2SKCCT23-TUG3	4c #10 AWG	TECK 90	120V	S
<u>94</u> 95	2SKCCT16-TUGPC TUGPC-TUGLIGHT1	3c #12 AWG 3c #12 AWG	TECK 90 TECK 90	120V 120V	S
95	TUGPC-TUGLIGHT1	3C #12 AWG	TECK 90	120V 120V	ין ד
97	TUGPC-TUGLIGHT3	3C #12 AWG	TECK 90	120V	T
<u>98</u> 99	F/A BOX – TUG F/A F/A BOX TUG F/A HORN	2c #12 AWG 2c #14 AWG	TECK 90 TECK 90	120V FIRE ALARM	V   \
100	2SKCCT38-F/A LOC LGT TUG	2c #12 AWG	TECK 90	120V	S
101	SIGA-CT2 - JETTY F/A S	2c #14 AWG	TECK 90	FIRE ALARM	S
<u>    102    </u> 103	F/A LOC LGT TUG – LOC LGT S SIGA-CT2 – JETTY F/A SW	2c #12 AWG 2c #14 AWG	TECK 90 TECK 90	120V FIRE ALARM	T  S
1 4 4 4 4	F/A LOC LGT S - LOC LGT SW	2c #12 AWG	TECK 90	120V	J
104					-
	SIGA-CT2 - F/A PULL PIT 63 F/A VSY FAB - QA OFFICE 120V	2c #14 AWG	TECK         90           TECK         90           TECK         90	FIRE ALARM	S

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

CAISSON 1/2 JB IN SERVICE TUNNEL	CAISSON PARK JETTY MOUNT 1	NORTH TUNNEL
MAIN SUB PANEL 6SH CCT. 26	SOUTH JETTY HIGH MAST LIGHT	EXISTING DUCT BANK
SOUTH SUB PANEL 2SK, CCT. 18/20	TUG WHARF RECEPTACLE 30A	SOUTH JETTY
SOUTH SUB PANEL 2SK, CCT. 22/24	TUG WHARF RECEPTACLE 30A	SOUTH JETTY
SOUTH SUB PANEL 2SK, CCT. 23	TUG WHARF RECEPTACLE 20A	SOUTH JETTY
SOUTH SUB PANEL 2SK, CCT. 16	TUG WHARF PHOTOCELL & CONTROL RELAY	SOUTH JETTY
TUG WHARF PHOTOCELL	TUG FLOODLIGHT 1	SOUTH JETTY
TUG FLOODLIGHT 1	TUG FLOODLIGHT 2	SOUTH JETTY
TUG FLOODLIGHT 2	TUG FLOODLIGHT 3	SOUTH JETTY
VSY QA OFFICE 120V PANEL	TUG WHARF F/A HORN	SOUTH JETTY
VSY QA OFFICE F/A BOOSTER PANEL	TUG WHARF FIRE ALARM	SOUTH JETTY
SOUTH SUB PANEL 2SK, CCT. 38	TUG WHARF LOCATOR LIGHT	SOUTH JETTY
SIGA–CT2 F/A CONTROL RELAY KIOSK #3	JETTY FIRE ALARM S	SOUTH JETTY
TUG WHARF LOCATOR LIGHT	JETTY LOCATOR LIGHT S	SOUTH JETTY
SIGA-CT2 F/A CONTROL RELAY KIOSK #3	JETTY FIRE ALARM SW	SOUTH JETTY
JETTY LOCATOR LIGHT S		SOUTH JETTY
SIGA-CT2 F/A CONTROL RELAY KIOSK #3	PULL PIT 63 F/A LOOP	SOUTH JETTY
	VSY QA OFFICE 120V PANEL	SOUTH JETTY
VSY FAB SHOP F/A BOOSTER PANEL	VSY QA OFFICE F/A BOOSTER PANEL	SOUTH JETTY

TERMINAL BOX #JM3TB	TERMINAL BOX #JM2TB	SOUTH JETTY
TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
SOUTH SUB PANEL 2SK, CCT.42	TERMINAL BOX #JM5TB	SOUTH JETTY
TERMINAL BOX #JM5TB	TERMINAL BOX #JM4TB	SOUTH JETTY
TERMINAL BOX #JM4TB	TERMINAL BOX #JM3TB	SOUTH JETTY
TERMINAL BOX #JM3TB	TERMINAL BOX #JM2TB	SOUTH JETTY
TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
TERMINAL BOX #JM5TB	JB FOR LIGHT & RECEP. IN JM5	SOUTH JETTY
TERMINAL BOX #JM5TB	F/A 120V TERMINALS IN JM5	SOUTH JETTY
TERMINAL BOX #JM4TB	JB FOR LIGHT & RECEP. IN JM4	SOUTH JETTY
TERMINAL BOX #JM4TB	F/A 120V TERMINALS IN JM4	SOUTH JETTY
TERMINAL BOX #JM3TB	JB FOR LIGHT & RECEP. IN JM3	SOUTH JETTY
TERMINAL BOX #JM3TB	F/A 120V TERMINALS IN JM3	SOUTH JETTY
TERMINAL BOX #JM2TB	JB FOR LIGHT & RECEP. IN JM2	SOUTH JETTY
TERMINAL BOX #JM2TB	F/A 120V TERMINALS IN JM2	SOUTH JETTY
TERMINAL BOX #JM1TB	JB FOR LIGHT & RECEP. IN JM1	SOUTH JETTY
TERMINAL BOX #JM1TB	F/A 120V TERMINALS IN JM1	SOUTH JETTY
SIGA-IM F/A BOX @ SOUTH SUB	JETTY MOUNT 5 FIRE ALARM SYSTEM	SOUTH JETTY
JETTY MOUNT 5 FIRE ALARM SYSTEM	JETTY MOUNT 4 FIRE ALARM SYSTEM	SOUTH JETTY
JETTY MOUNT 4 FIRE ALARM SYSTEM	JETTY MOUNT 3 FIRE ALARM SYSTEM	SOUTH JETTY
JETTY MOUNT 3 FIRE ALARM SYSTEM	JETTY MOUNT 2 FIRE ALARM SYSTEM	SOUTH JETTY
JETTY MOUNT 2 FIRE ALARM SYSTEM	JETTY MOUNT 1 FIRE ALARM SYSTEM	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 5 TELEPHONE TB	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 4 TELEPHONE TB	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 3 TELEPHONE TB	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 2 TELEPHONE TB	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 1 TELEPHONE TB	SOUTH JETTY
SCADA PANEL @ SOUTH WATER METER JB	JETTY MOUNT 5 SCADA WATER METER JB	SOUTH JETTY
JETTY MOUNT 5 SCADA WATER METER JB	JETTY MOUNT 4 SCADA WATER METER JB	SOUTH JETTY
JETTY MOUNT 4 SCADA WATER METER JB	JETTY MOUNT 3 SCADA WATER METER JB	SOUTH JETTY
JETTY MOUNT 3 SCADA WATER METER JB	JETTY MOUNT 2 SCADA WATER METER JB	SOUTH JETTY
JETTY MOUNT 2 SCADA WATER METER JB	JETTY MOUNT 1 SCADA WATER METER JB	SOUTH JETTY
JETTY MOUNT 1 SCADA WATER METER JB	SERVICE TUNNEL SCADA WATER METER JB	NORTH TUNNEL
SOUTH SUB PANEL 2SK, CCT. 43	JM5 120V 2SK-43 JB	SOUTH JETTY
JM5 120V 2SK-43 JB	JM4 120V 2SK-43 JB	SOUTH JETTY
JM4 120V 2SK-43 JB	JM3 120V 2SK-43 JB	SOUTH JETTY
JM3 120V 2SK-43 JB	JM2 120V 2SK-43 JB	SOUTH JETTY
JM2 120V 2SK-43 JB	JM1 120V 2SK-43 JB	SOUTH JETTY

SERVICE TUNNEL 2SK-43 JB

SOUTH JETTY TOWER CRANE

SOUTH JETTY TOWER CRANE

SOUTH SUB BREAKER 2882-61	JETTY MOUNT JM1 - 200A DS	NORTH TUNNEL
SOUTH SUB BREAKER 4SS2-72	JETTY MOUNT JM2 - 500A DS	NORTH TUNNEL
SOUTH SUB BREAKER 4SS2-72	JETTY MOUNT JM2 - 500A DS	NORTH TUNNEL
SOUTH SUB BREAKER 2SS2-62	JETTY MOUNT JM2 - 200A DS	NORTH TUNNEL
SOUTH SUB BREAKER 2SS2-62	JETTY MOUNT JM2 - 200A DS	NORTH TUNNEL
SOUTH SUB BREAKER 4SS2-73	JETTY MOUNT JM3 - 500A DS	SOUTH JETTY
SOUTH SUB BREAKER 4SS2-73	JETTY MOUNT JM3 - 500A DS	SOUTH JETTY
SOUTH SUB BREAKER 2SS2-63	JETTY MOUNT JM3 - 200A DS	SOUTH JETTY
SOUTH SUB BREAKER 2SS2-63	JETTY MOUNT JM3 - 200A DS	SOUTH JETTY
SOUTH SUB BREAKER 4SS2-74	JETTY MOUNT JM4 - 500A DS	SOUTH JETTY
SOUTH SUB BREAKER 4SS2-74	JETTY MOUNT JM4 - 500A DS	SOUTH JETTY
SOUTH SUB BREAKER 2SS2-64	JETTY MOUNT JM4 – 200A DS	SOUTH JETTY
SOUTH SUB BREAKER 4SS2-75	JETTY MOUNT JM5 - 500A DS	SOUTH JETTY
SOUTH SUB BREAKER 4SS2-75	JETTY MOUNT JM5 - 500A DS	SOUTH JETTY
SOUTH SUB BREAKER 2SS2-65	JETTY MOUNT JM5 - 200A DS	SOUTH JETTY
SOUTH SUB BREAKER 2SS2JB	TERMINAL BOX #JM5TB	SOUTH JETTY
TERMINAL BOX #JM5TB	TERMINAL BOX #JM4TB	SOUTH JETTY
TERMINAL BOX #JM4TB	TERMINAL BOX #JM3TB	SOUTH JETTY
TERMINAL BOX #JM3TB	TERMINAL BOX #JM2TB	SOUTH JETTY
TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
SOUTH SUB BREAKER 2SS2	TERMINAL BOX #JM5TB	SOUTH JETTY
TERMINAL BOX #JM5TB	TERMINAL BOX #JM4TB	SOUTH JETTY
TERMINAL BOX #JM4TB	TERMINAL BOX #JM3TB	SOUTH JETTY
TERMINAL BOX #JM3TB	TERMINAL BOX #JM2TB	SOUTH JETTY
TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
SOUTH SUB PANEL 2SK, CCT.42	TERMINAL BOX #JM5TB	SOUTH JETTY
TERMINAL BOX #JM5TB	TERMINAL BOX #JM4TB	SOUTH JETTY
TERMINAL BOX [#] JM4TB	TERMINAL BOX #JM3TB	SOUTH JETTY
TERMINAL BOX #JM3TB	TERMINAL BOX #JM2TB	SOUTH JETTY
TERMINAL BOX #JM2TB	TERMINAL BOX #JM1TB	SOUTH JETTY
TERMINAL BOX #JM5TB	JB FOR LIGHT & RECEP. IN JM5	SOUTH JETTY
TERMINAL BOX #JM5TB	F/A 120V TERMINALS IN JM5	SOUTH JETTY
TERMINAL BOX #JM4TB	JB FOR LIGHT & RECEP. IN JM4	SOUTH JETTY
TERMINAL BOX #JM4TB	F/A 120V TERMINALS IN JM4	SOUTH JETTY
TERMINAL BOX #JM3TB	JB FOR LIGHT & RECEP. IN JM3	SOUTH JETTY
TERMINAL BOX #JM3TB	F/A 120V TERMINALS IN JM3	SOUTH JETTY
TERMINAL BOX #JM2TB	JB FOR LIGHT & RECEP. IN JM2	SOUTH JETTY
TERMINAL BOX #JM2TB	F/A 120V TERMINALS IN JM2	SOUTH JETTY
TERMINAL BOX #JM1TB	JB FOR LIGHT & RECEP. IN JM1	SOUTH JETTY
TERMINAL BOX #JM1TB	F/A 120V TERMINALS IN JM1	SOUTH JETTY
SIGA-IM F/A BOX @ SOUTH SUB	JETTY MOUNT 5 FIRE ALARM SYSTEM	SOUTH JETTY
JETTY MOUNT 5 FIRE ALARM SYSTEM	JETTY MOUNT 4 FIRE ALARM SYSTEM	SOUTH JETTY
JETTY MOUNT 4 FIRE ALARM SYSTEM	JETTY MOUNT 3 FIRE ALARM SYSTEM	SOUTH JETTY
JETTY MOUNT 3 FIRE ALARM SYSTEM	JETTY MOUNT 2 FIRE ALARM SYSTEM	SOUTH JETTY
JETTY MOUNT 2 FIRE ALARM SYSTEM	JETTY MOUNT 1 FIRE ALARM SYSTEM	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 5 TELEPHONE TB	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 4 TELEPHONE TB	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 3 TELEPHONE TB	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 2 TELEPHONE TB	SOUTH JETTY
TELEPHONE BOX @ SOUTH SUB	JETTY MOUNT 1 TELEPHONE TB	SOUTH JETTY
SCADA PANEL @ SOUTH WATER METER JB	JETTY MOUNT 5 SCADA WATER METER JB	SOUTH JETTY
 JETTY MOUNT 5 SCADA WATER METER JB	JETTY MOUNT 4 SCADA WATER METER IB	

DESTINATION

JETTY MOUNT JM1 - 500A DS

JETTY MOUNT JM1 - 500A DS

JETTY MOUNT JM1 - 200A DS

JETTY MOUNT JM1 - 200A DS

ROUTING

NORTH TUNNEL

NORTH TUNNEL

NORTH TUNNEL

NORTH TUNNEL

NORTH TUNNEL

SOUTH JETTY

SOUTH JETTY

ORIGIN

SOUTH SUB BREAKER 4SS2-71

SOUTH SUB BREAKER 4SS2-71

SOUTH SUB BREAKER 2SS2-61

SOUTH SUB BREAKER 2SS2-61

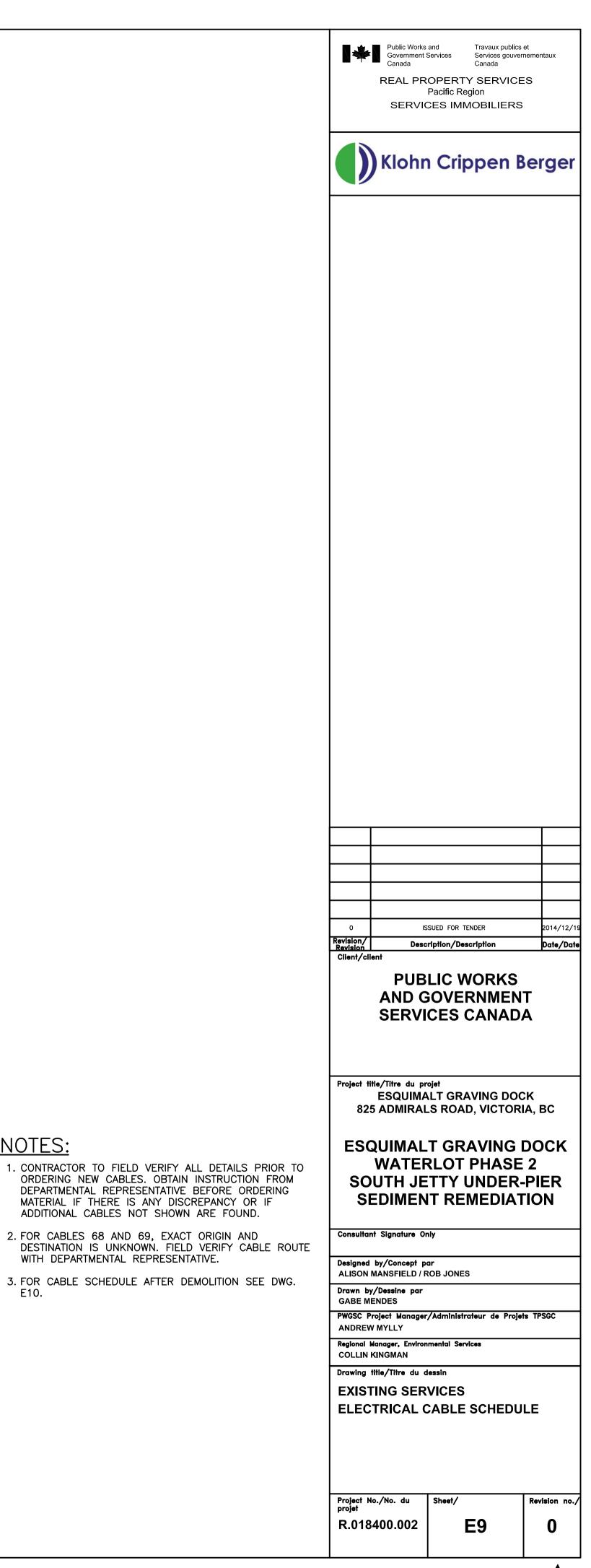
JM1 120V 2SK-43 JB

SOUTH SUBSTATION (UNKNOWN)

SOUTH SUBSTATION (UNKNOWN)

## NOTES:

E10.



I.D. TAG	CABLE I.D. NUMBER 4SS271-JM1/1	CABLE SIZE	CABLE TYPE TECK 90	SERVICE DESCRIPTION 480V, FEEDER	ORIGIN (SEE NOTE 2) SOUTH SUB LOWER FLOOR	DESTINATION PULL PIT T2	ROUTING NORTH TUNNEL
2	4SS271-JM1/2	3c 350 MCM 3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL
3	2SS261-JM1/1 2SS261-JM1/2	4c 350 MCM 4c 350 MCM	TECK 90 TECK 90	120/208V, FEEDER 120/208V, FEEDER	SOUTH SUB LOWER FLOOR SOUTH SUB LOWER FLOOR	PULL PIT T2 PULL PIT T2	NORTH TUNNEL
5	4SS272-JM2/1	3c 350 MCM	TECK 90	480V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL
6	4SS272-JM2/2 2SS262-JM2/1	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
8	2SS262-JM2/2	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB LOWER FLOOR	PULL PIT T2	NORTH TUNNEL
9 10	4SS273-JM3/1 4SS273-JM3/2	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
11 12	2SS263-JM3/1 2SS263-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
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 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 17	4SS275-JM5/1 4SS275-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
18	2SS265-JM5	4c 350 MCM	TECK 90	120/208V, FEEDER	SOUTH SUB CABLE TRAY	OUTSIDE T4	SOUTH JETTY
<u>19</u> 20	NOT USED 2SS2JB-JM5TB/1	2c #1 AWG	TECK 90	120V, 15A FEEDER	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
21	NOT USED						
22 23	NOT USED NOT USED						
24 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			120V, 15A FEEDER	SOUTH SUB CABLE TRAY		
30 31	2SKCCT42–JM5TB NOT USED	2c #8 AWG	TECK 90	1200, ISA FEEDER	SOUTH SUB CABLE TRAT	PULL PIT T5	SOUTH JETTY
32 33	NOT USED NOT USED						
34	NOT USED						
35 36	NOT USED NOT USED						
37 38	NOT USED NOT USED						
39	NOT USED						
40	NOT USED NOT USED						
42	NOT USED						
43 44	NOT USED NOT USED						
45 46	F/A BOX-JM5 NOT USED	2c #14 AWG	TECK 90	FIRE ALARM	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
47	NOT USED						
48	NOT USED NOT USED						
50	NOT USED	10 104 400		TELEPHONE			
51 52	TEL BOX-JM5 TEL BOX-JM4	12pr #24 AWG 12pr #24 AWG	TEL TEL	TELEPHONE	SOUTH SUB CABLE TRAY SOUTH SUB CABLE TRAY	PULL PIT T5 PULL PIT T5	SOUTH JETTY 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 59	NOT USED NOT USED						
60	NOT USED	1					Ι
61	JM1-DRYDOCK SPARE	2pr #18 AWG	STP RS485 AIA JKT	SCADA	PULL PIT T1	SERVICE TUNNEL SCADA WATER METER JB (SEE NOTE 2)	NORTH TUNNEL
62 63	2SKCCT43–JM5 120V NOT USED	2c #12 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
64	NOT USED						
65 66	NOT USED NOT USED						
67 68	JM1-TUNNEL 120V 2SK-43 TOWER CRANE CAMERA	2c #12 AWG 4pr #24 AWG	TECK 90 UTP CAT5e	120V CCTV	PULL PIT T1 SOUTH SUB CABLE TRAY	SERVICE TUNNEL 2SK-43 JB (SEE NOTE 2) PULL PIT T5	NORTH TUNNEL SOUTH JETTY
69	TOWER CRANE CAMERA	4pr #24 AWG	UTP CAT5e		SOUTH SUB CABLE TRAY	PULL PIT T5	SOUTH JETTY
70	NOT USED 2SKCCT22/24-TUG2	4c #6 AWG	TECK 90	208V	SOUTH SUB PANEL 2SK, CCT. 22/24	TUG WHARF RECEPTACLE 30A	EXISTING BURIED COND
72	2SKCCT23-TUG3	4c #6 AWG	TECK 90	120V	SOUTH SUB PANEL 2SK, CCT. 23 SOUTH SUB PANEL 2SK, CCT. 16	TUG WHARF RECEPTACLE 20A	EXISTING BURIED COND
73 74	F/A BOX – TUG F/A F/A BOX TUG F/A HORN	2c #6 AWG 2c #14 AWG	ТЕСК 90 ТЕСК 90	120V FIRE ALARM	SIGMA-IM BOX @ SOUTH SUB	TUG WHARF F/A HORN TUG WHARF FIRE ALARM	EXISTING BURIED COND EXISTING BURIED COND
75 76	VSY MAC-F/A LOC LGT TUG NOT USED	2c #6 AWG	TECK 90	120V	VSY MACHINE SHOP PANEL 28M	TUG WHARF LOCATOR LIGHT	EXISTING BURIED COND
77	NOT USED						
78	NOT USED NOT USED						
80	NOT USED NOT USED						
81 82	NOT USED						
83 84	NOT USED NOT USED						
85	NOT USED						
86 87	NOT USED NOT USED						
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
90	NOT USED						
91 92	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
93	2SKCCT23-TUG3	4c #10 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY
94 95	2SKCCT16-TUGPC NOT USED	3c #12 AWG	TECK 90	120V	SOUTH SUB CABLE TRAY	NEAR PULL PIT T4	SOUTH JETTY
96 97	NOT USED NOT USED						
98	NOT USED						
99 100	NOT USED 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		1.201.00	1.20.			
102 103	NOT USED NOT USED						
104	NOT USED						
105	NOT USED						

NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DETAILS PRIOR TO ORDERING NEW CABLES. OBTAIN INSTRUCTION FROM DEPARTMENTAL REPRESENTATIVE BEFORE ORDERING

7

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.

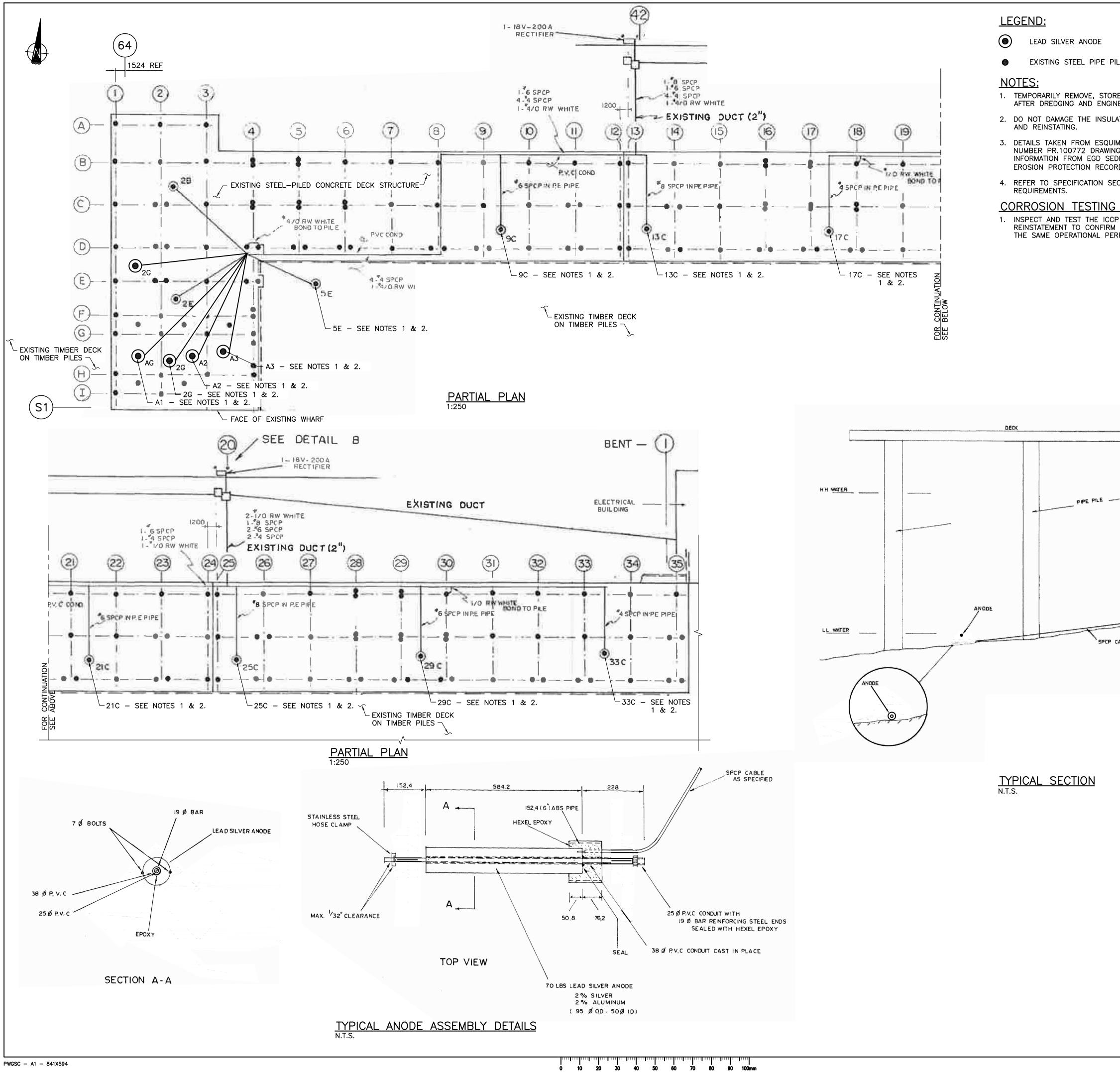
MATERIAL IF THERE IS ANY DISCREPANCY OR IF ADDITIONAL CABLES NOT SHOWN ARE FOUND.

SERVICES CANADA 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 Consultant Signature Only Designed by/Concept par ALISON MANSFIELD / ROB JONES Drawn by/Dessine par GABE MENDES PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin MODIFICATIONS TO SERVICES ELECTRICAL CABLE SCHEDULE Project No./No. du Sheet/ projet Revision no./ E10 R.018400.002 0

PUBLIC WORKS AND GOVERNMENT

ISSUED FOR TENDER 014/12/1 0 Revision/ Revision Description/Description Date/Date Client/client

Public Works and Government Services Canada Canada Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Klohn Crippen Berger

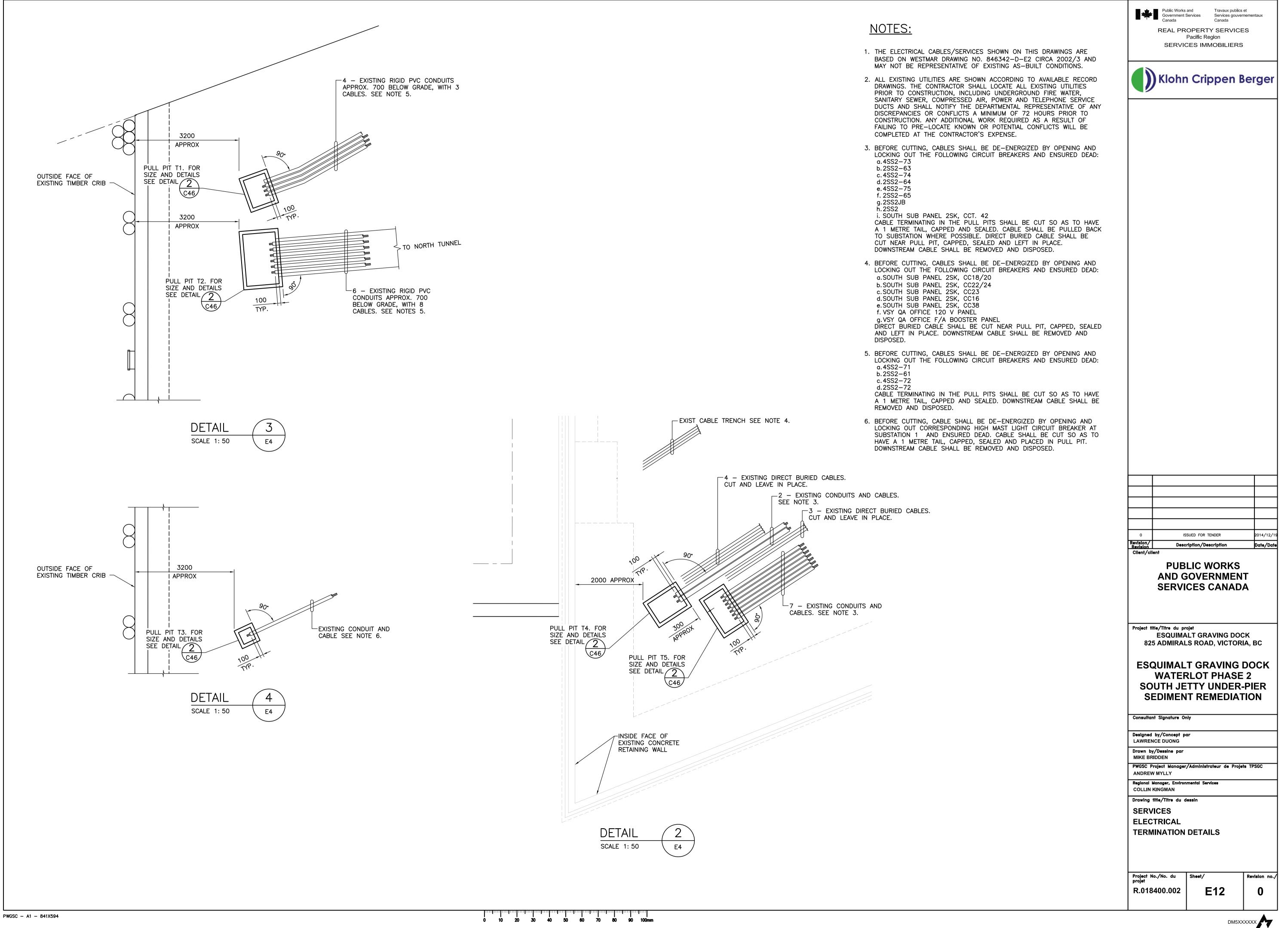


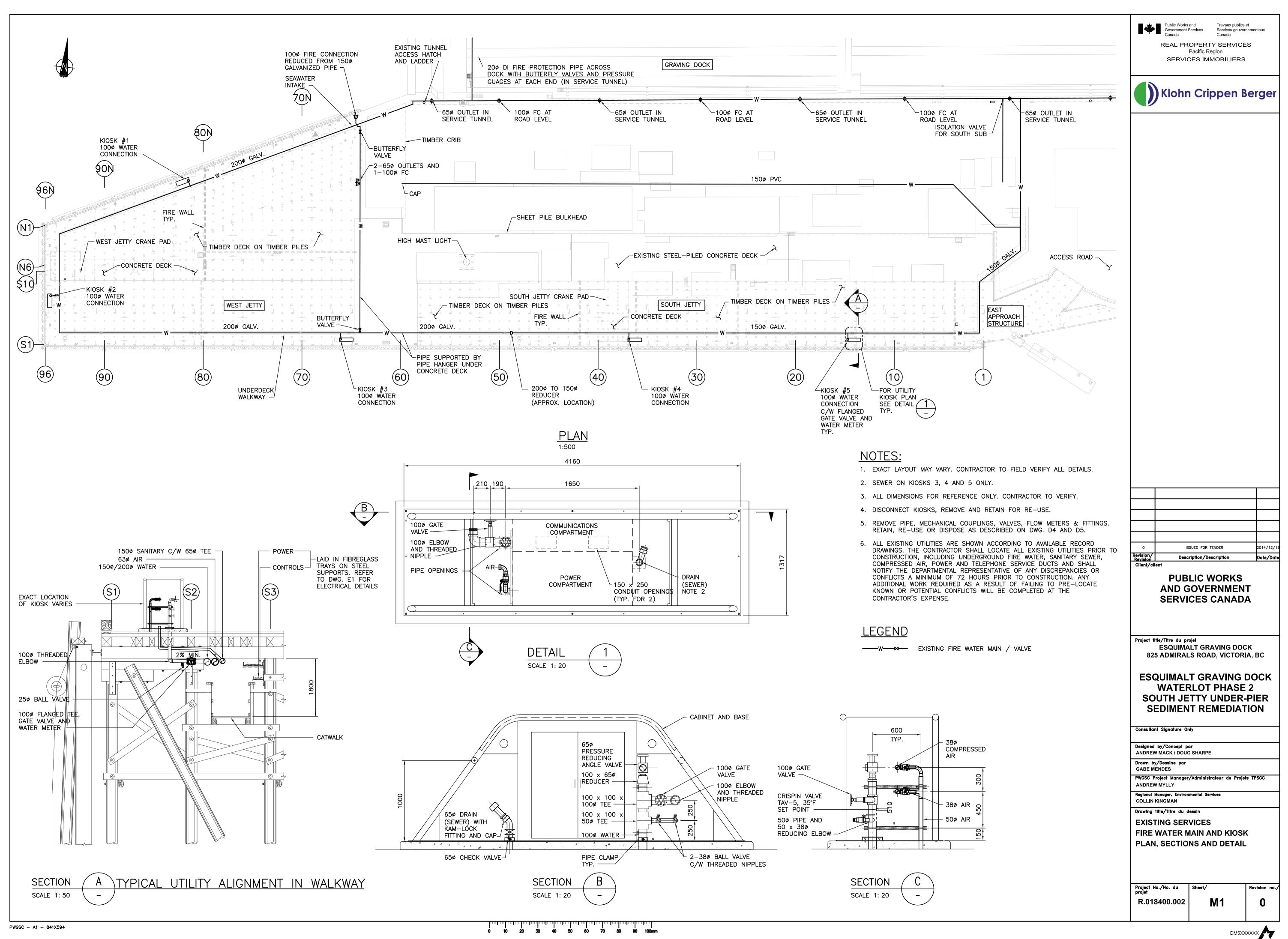
- EXISTING STEEL PIPE PILE

### CORROSION TESTING REQUIREMENTS:

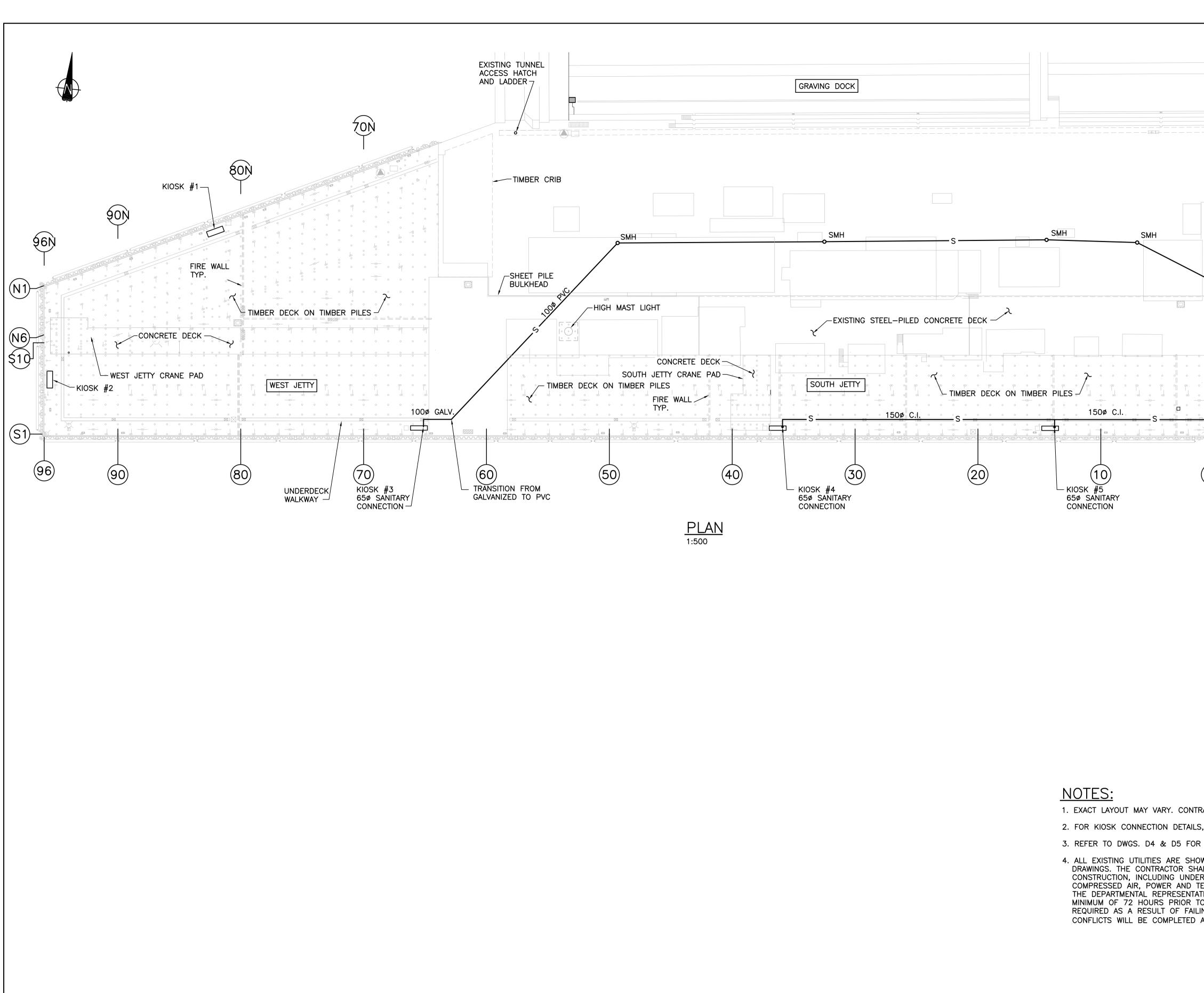
Public Works and Government Services Services gouvernementaux Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Klohn Crippen Berger 1. TEMPORARILY REMOVE, STORE AND REINSTATE ANODES TO ORIGINAL LOCATION AFTER DREDGING AND ENGINEERED CAPPING WORK ARE COMPLETED. 2. DO NOT DAMAGE THE INSULATION ON THE ANODE CABLE DURING REMOVAL 3. 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). 4. REFER TO SPECIFICATION SECTION 02 41 13 FOR ICCP SYSTEM 1. INSPECT AND TEST THE ICCP SYSTEM BEFORE DISCONNECTING AND AFTER REINSTATEMENT TO CONFIRM THAT THE REINSTATED ICCP SYSTEM PROVIDES THE SAME OPERATIONAL PERFORMANCE LEVEL AS PREVIOUSLY EXISTED. CONDUIT PILE WALL ISSUED FOR TENDER 014/12/ Revision/ Revision Description/Description )ate/Date SPCP CABLE IN PE PIPE **Client/client PUBLIC WORKS** AND GOVERNMENT SERVICES CANADA 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 Consultant Signature Only Designed by/Concept par GEOFF COOPER Drawn by/Dessine par ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin SOUTH JETTY **MODIFICATIONS TO** CATHODIC PROTECTION SYSTEM Project No./No. du projet Revision no. Sheet/ R.018400.002 E11 0

Travaux publics et





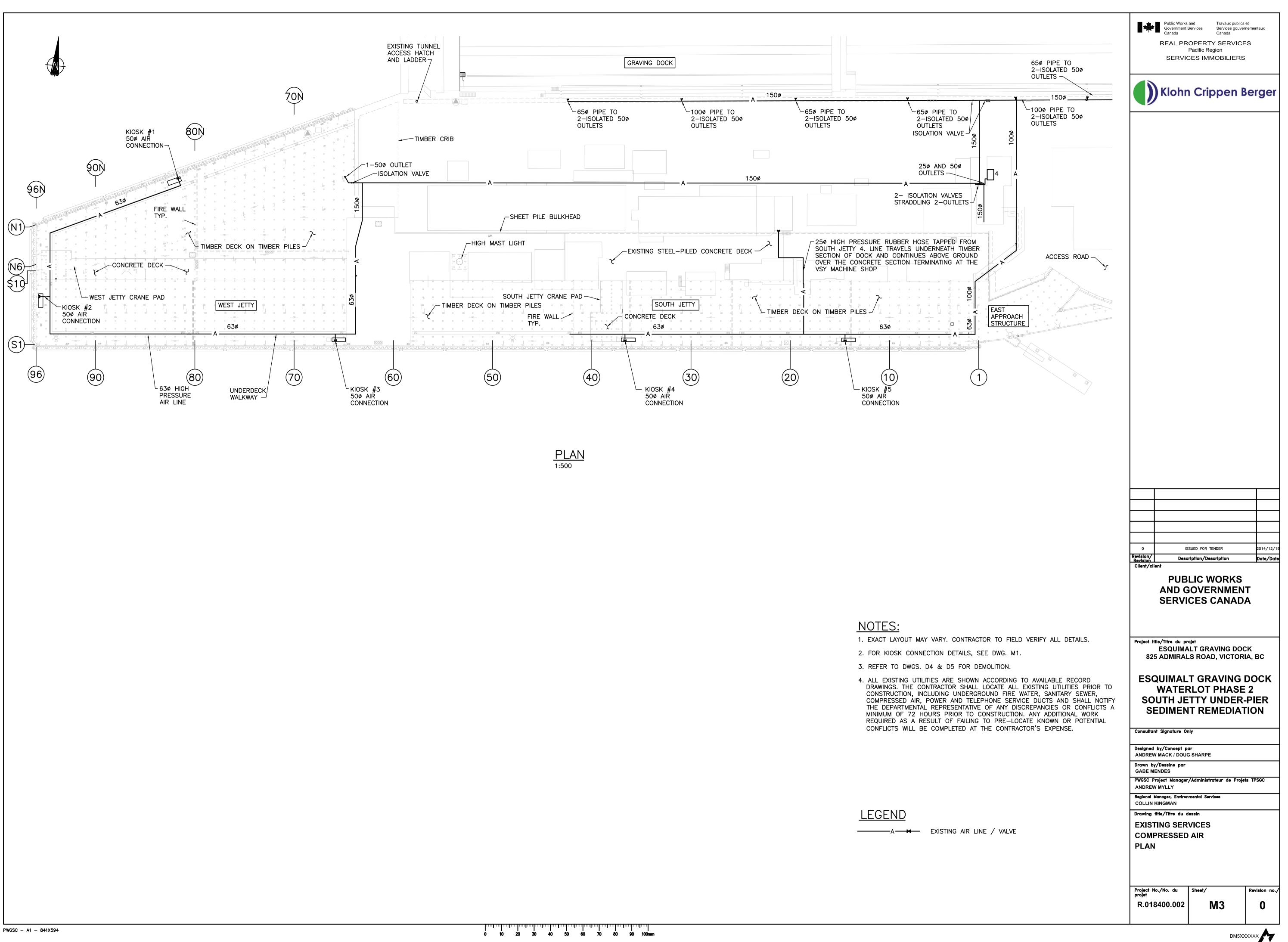
0 10 20 30 40 50 60 70 80 90 100mm

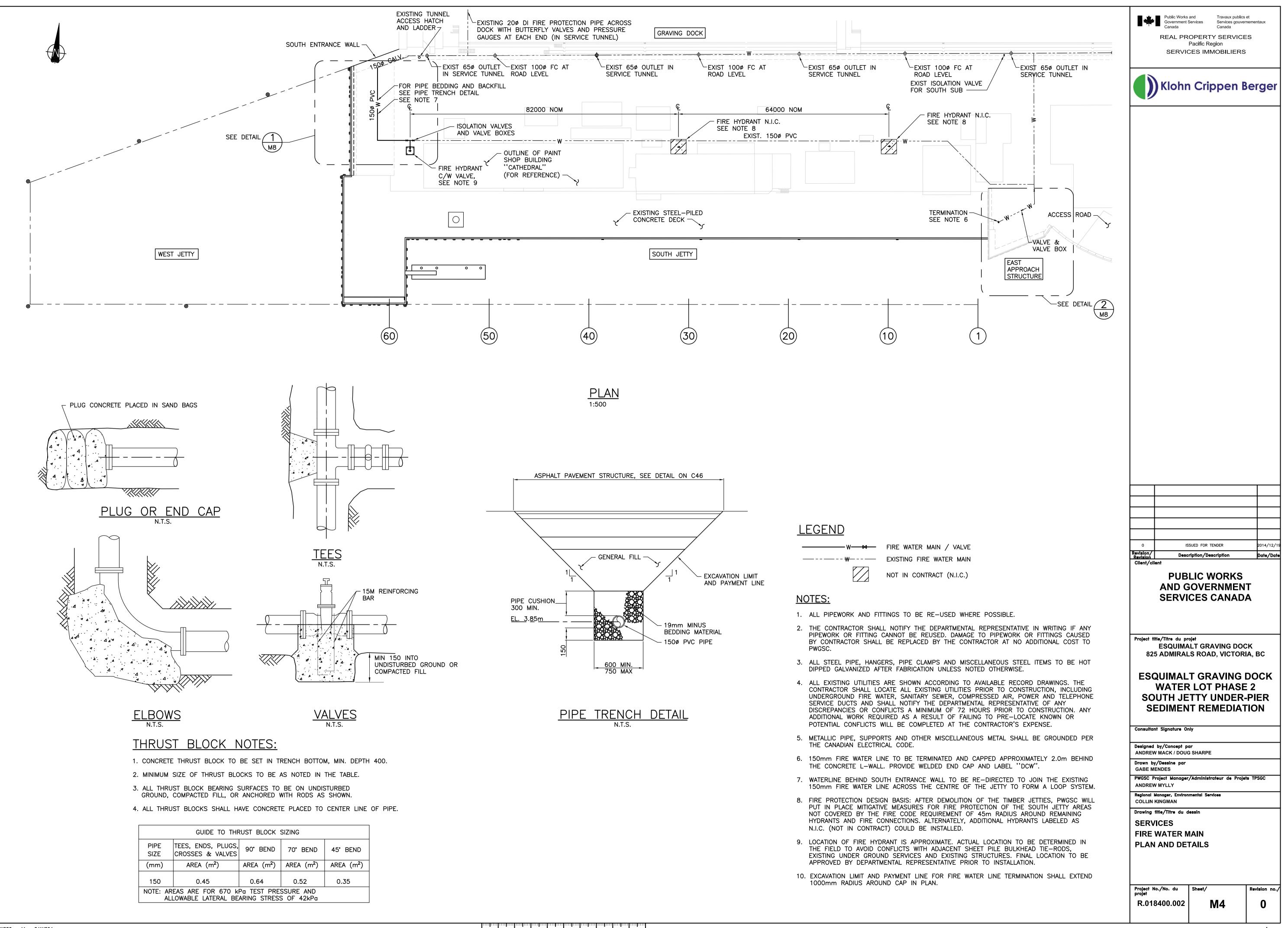


- THE DEPARTMENTAL REPRESENTATI MINIMUM OF 72 HOURS PRIOR TO

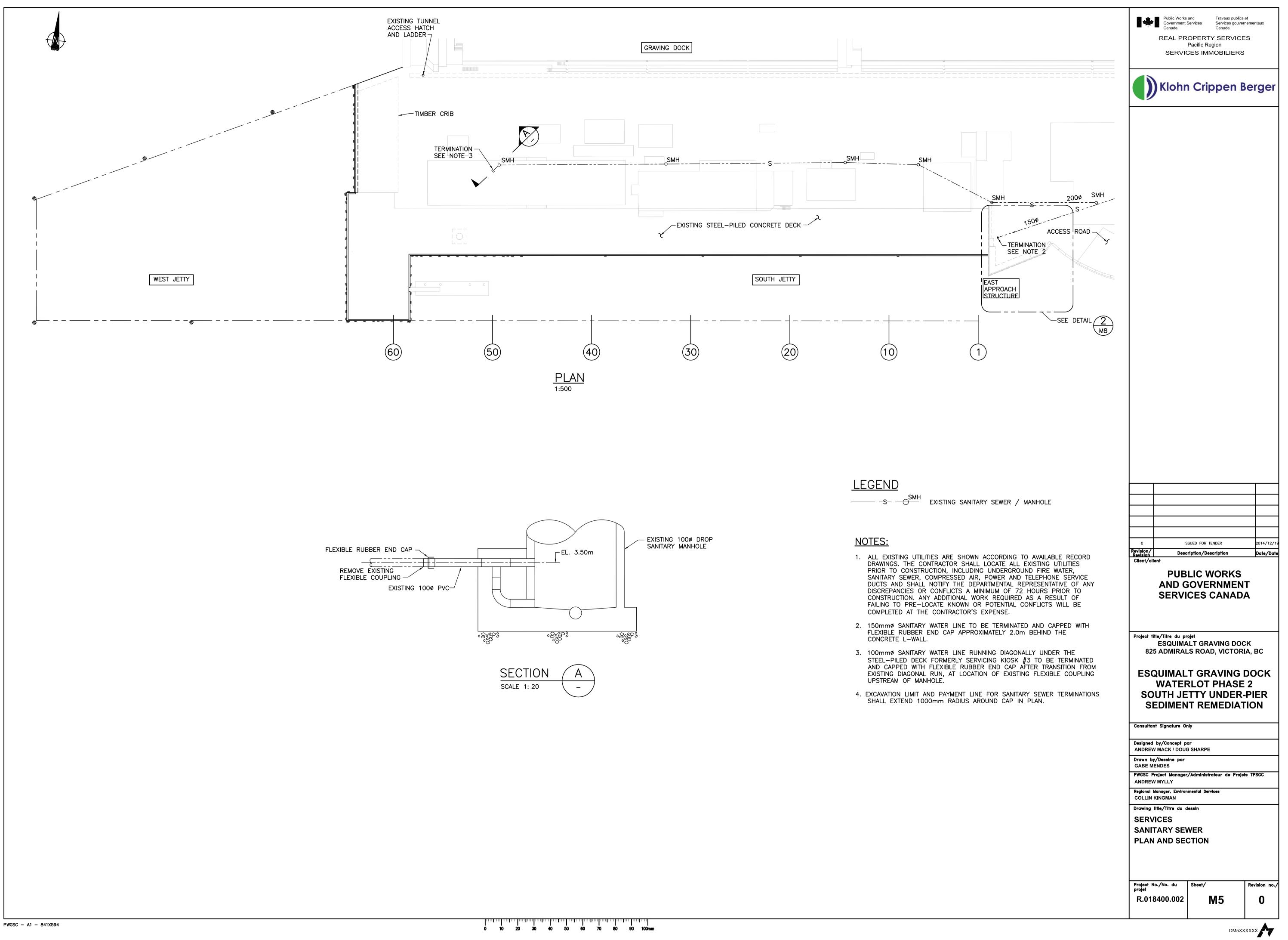
# <u>LEGEND</u> —___s__O^{SMH} existing sanitary

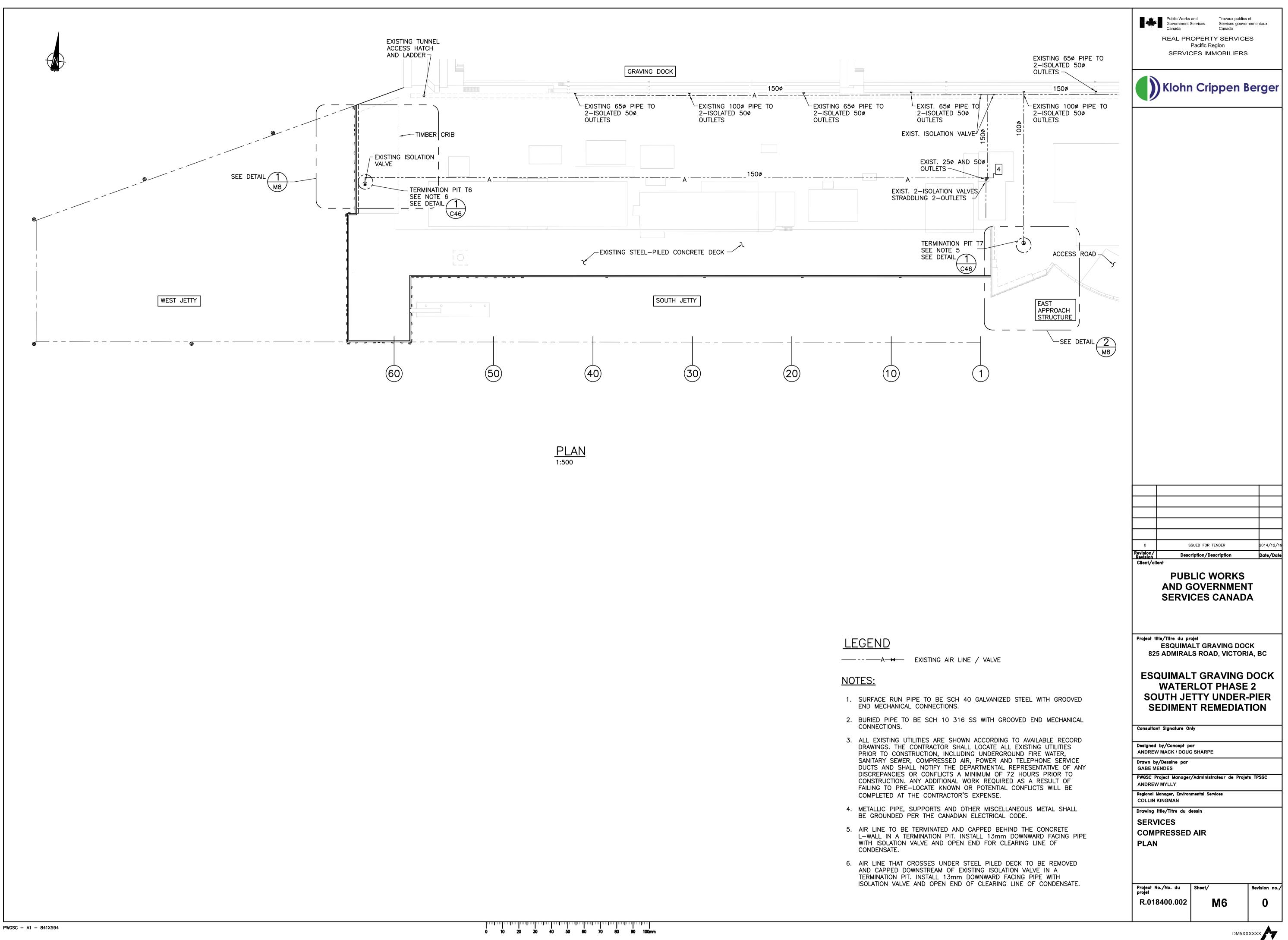
	<b>₩</b>			gouvernementaux	
		SERVIC	CES IMMOBILI		
SMH 200¢ SMH					
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	0 Revision/ Revision Client/cli	Desc ent PUB AND G	SUED FOR TENDER ription/Description LIC WORF OVERNM CES CAN	ENT	
FOR TO FIELD VERIFY ALL DETAILS. EE DWG. M1.			ojet LT GRAVING .S ROAD, VIC1		
MOLITION. ACCORDING TO AVAILABLE RECORD LOCATE ALL EXISTING UTILITIES PRIOR TO OUND FIRE WATER, SANITARY SEWER, PHONE SERVICE DUCTS AND SHALL NOTIFY OF ANY DISCREPANCIES OR CONFLICTS A CONSTRUCTION. ANY ADDITIONAL WORK	ESQUIMALT GRAVING DOCK WATERLOT PHASE 2 SOUTH JETTY UNDER-PIER SEDIMENT REMEDIATION				
TO PRE-LOCATE KNOWN OR POTENTIAL THE CONTRACTOR'S EXPENSE.	Consultant Signature Only Designed by/Concept par ANDREW MACK / DOUG SHARPE				
		Drawn by/Dessine par GABE MENDES			
		PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN			
	Drawing	TING SER	VICES		
SEWER / MANHOLE	SANI ^T PLAN				

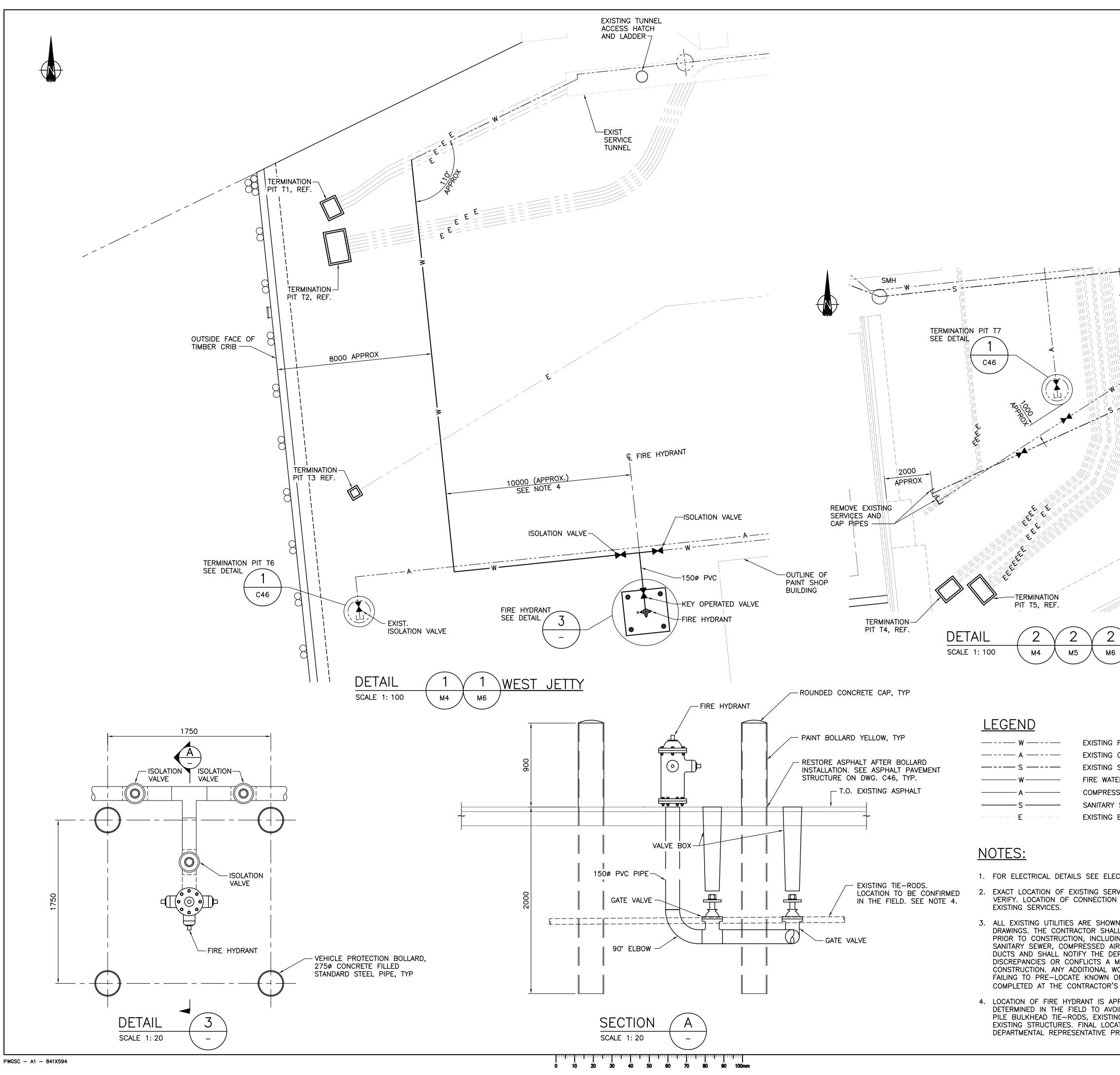




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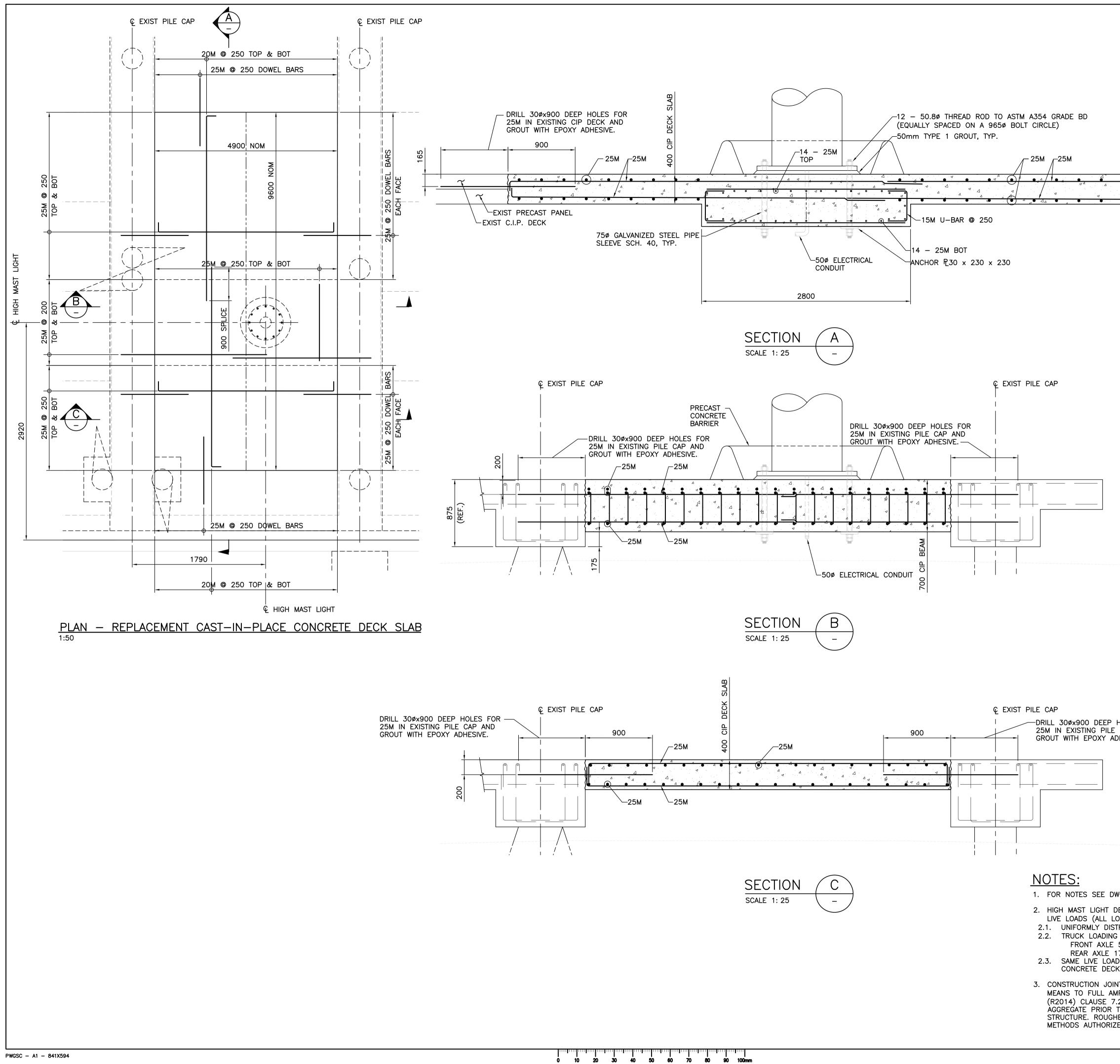






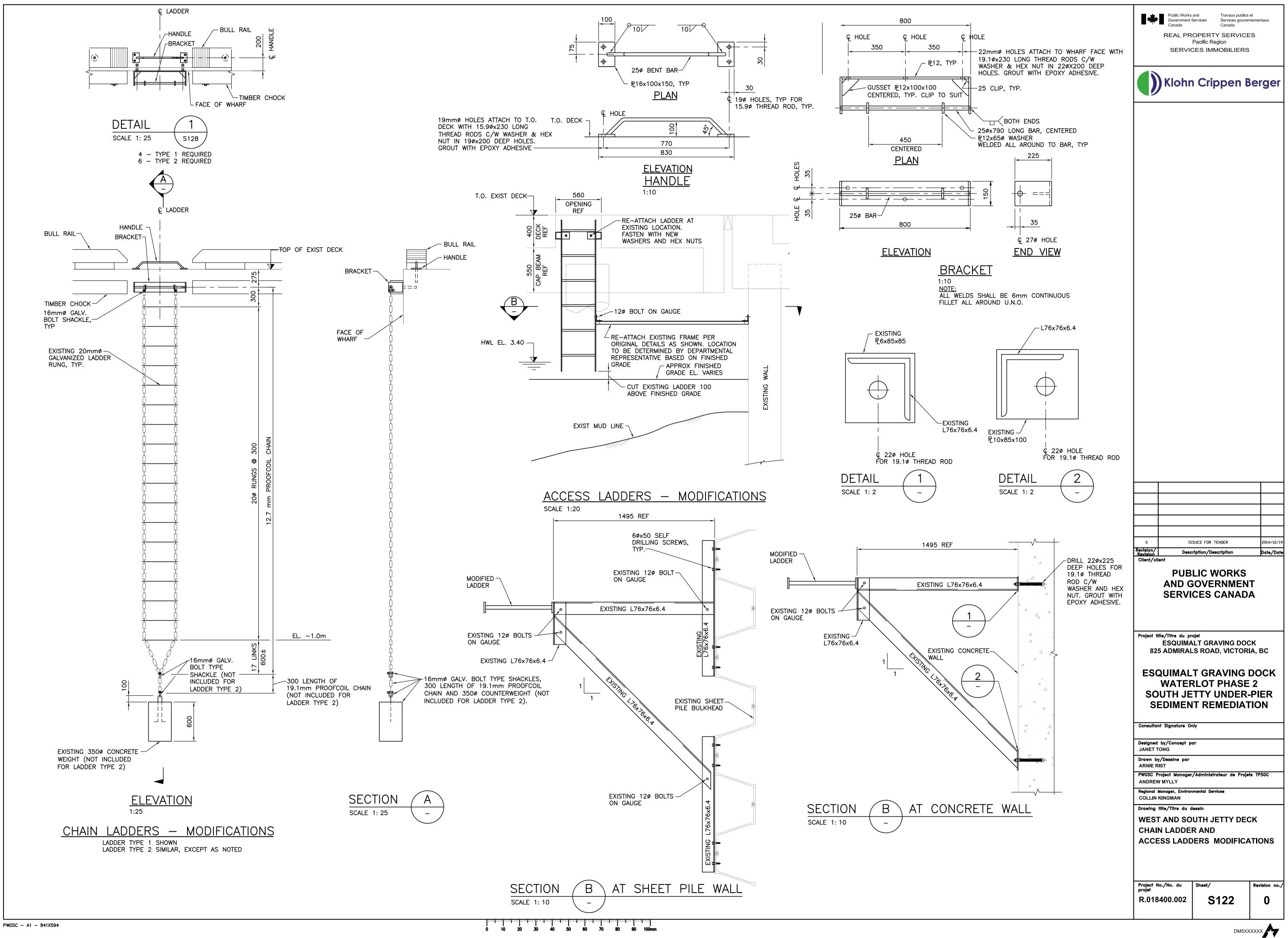
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		Klohr	n Crippen B	Berger
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1111 1111 11111 11111 11111 11111 11111				
SOUTH JETTY	0 Revision/ Revision		SUED FOR TENDER	2014/12/19 Date/Date
	Cilent/cli	PUB AND G	LIC WORKS OVERNMEN CES CANAD	_
FIRE WATER MAIN COMPRESSED AIR LINE		•	ojet LT GRAVING DOO S ROAD, VICTOR	
SANITARY SEWER ER MAIN SED AIR LINE SEWER ELECTRICAL	so	WATEF UTH JE	T GRAVING RLOT PHASE TTY UNDER T REMEDIA	2 -PIER
		nt Signature Or by/Concept po		
CTRICAL DRAWINGS.	Drawn by GABE M		3 SHARPE /Administrateur de Proje	ts TPSGC
N WILL DEPEND ON LOCATION OF	ANDREV Regional COLLIN	V MYLLY Manager, Environ KINGMAN	mental Services	
L LOCATE ALL EXISTING UTILITIES ING UNDERGROUND FIRE WATER, R, POWER AND TELEPHONE SERVICE EPARTMENTAL REPRESENTATIVE OF ANY MINIMUM OF 72 HOURS PRIOR TO VORK REQUIRED AS A RESULT OF OR POTENTIAL CONFLICTS WILL BE S EXPENSE.	SERV FIRE	WATER N COMPRE	IAIN, SANITAR	SEWER
PPROXIMATE. ACTUAL LOCATION TO BE DID CONFLICTS WITH ADJACENT SHEET NG UNDERGROUND SERVICES AND ATION TO BE APPROVED BY RIOR TO INSTALLATION.	projet	lo./No. du 8400.002	Sheet/ M8	Revision no./

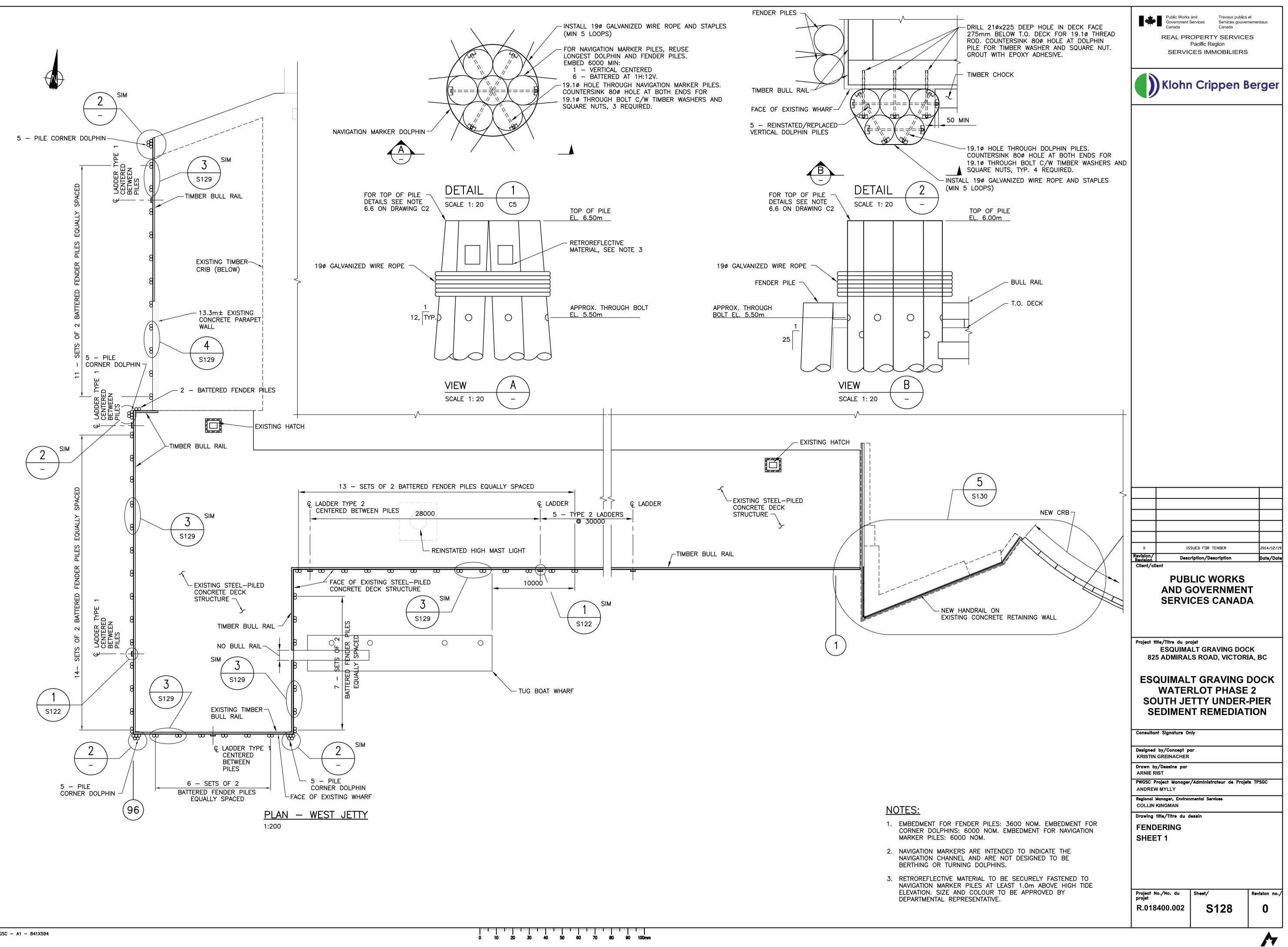
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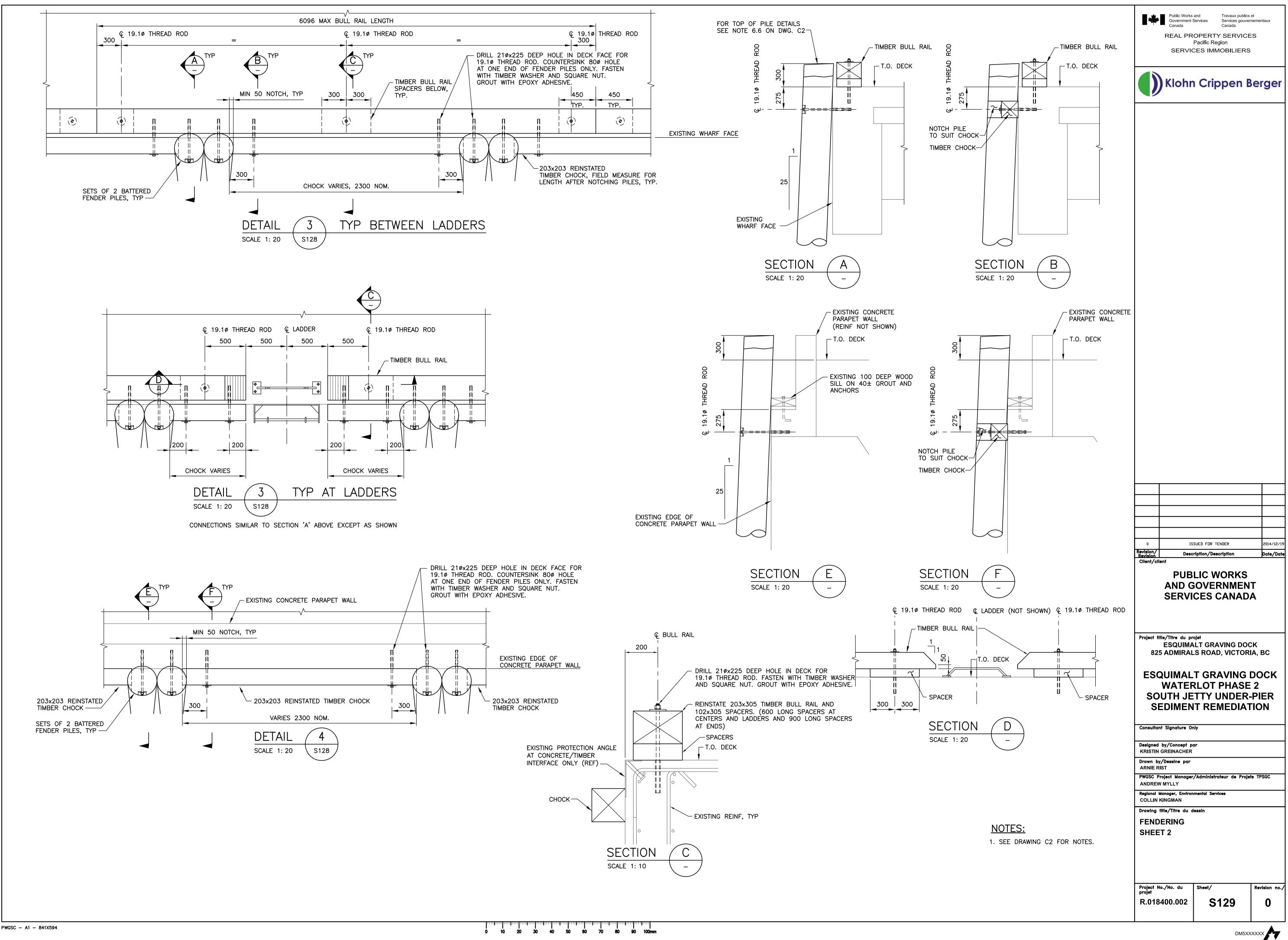


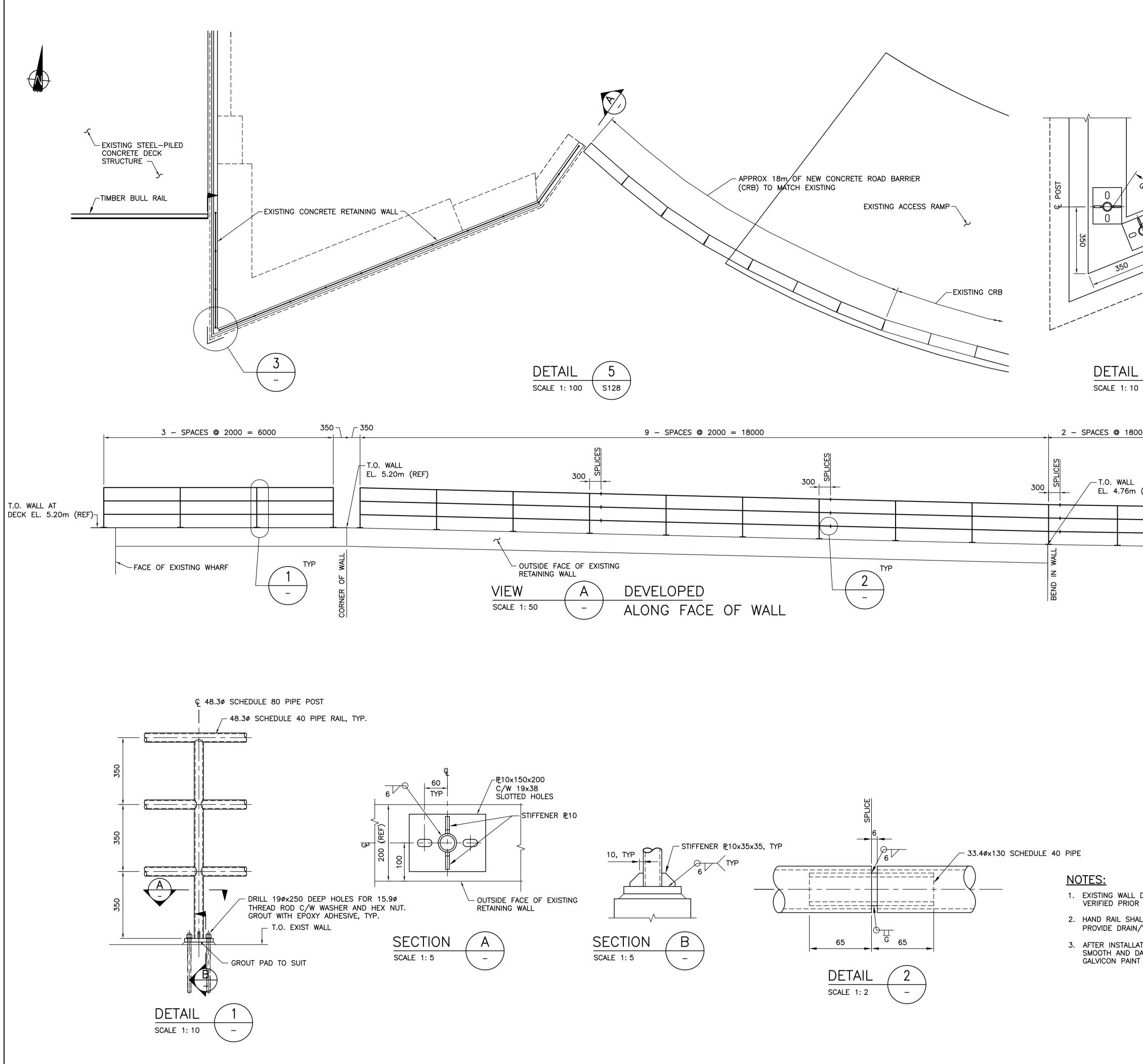
PWGSC - A1 - 841X594

	Public Works and Government Services Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS
DRILL 30Ø×900 DEEP HOLES FOR 25M IN EXISTING CIP DECK AND	Klohn Crippen Berger
GROUT WITH EPOXY ADHESIVE.	
EXIST C.I.P. DECK	
	0 ISSUED FOR TENDER 2014/12/19
	Revision/ Description/Description Date/Date Client/client
	PUBLIC WORKS AND GOVERNMENT SERVICES CANADA
HOLES FOR CAP AND DHESIVE.	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
	Consultant Signature Only
	Designed by/Concept par DHILEEP ABEYGODA Drawn by/Dessine par
	ARNIE RIST PWGSC Project Manager/Administrateur de Projets TPSGC ANDREW MYLLY
NG. C2. DECK SLAB DESIGNED FOR THE FOLLOWING	ANDREW MYLLY         Regional Manager, Environmental Services         COLLIN KINGMAN
OADS ARE UNFACTORED): TRIBUTED LOAD (UDL) : 28.7 kPa (600 psf) 5 (CL-625 PER S6-06) 50 kN (DISTRIBUTED TO 2 WHEELS) 175 kN (DISTRIBUTED TO 2 PAIRS OF WHEELS) DS AS ADJACENT EXISTING STEEL PILED K STRUCTURE.	Drawing title/Titre du dessin CONSTRUCTION AT HIGH MAST LIGHT AREA
NTS SHALL BE ROUGHENED BY MECHANICAL IPLITUDE OF 5mm TO CAN/CSA–A23.1–09 .2.2 TO EXPOSE CLEAN AND SOUND	
2.2 TO EXPOSE CLEAN AND SOUND TO CASTING THE SUBSEQUENT PART OF THE IEN CONCRETE SURFACE BY SUITABLE IED BY DEPARTMENTAL REPRESENTATIVE.	Project No./No. du Sheet/ projet R.018400.002 S110 0

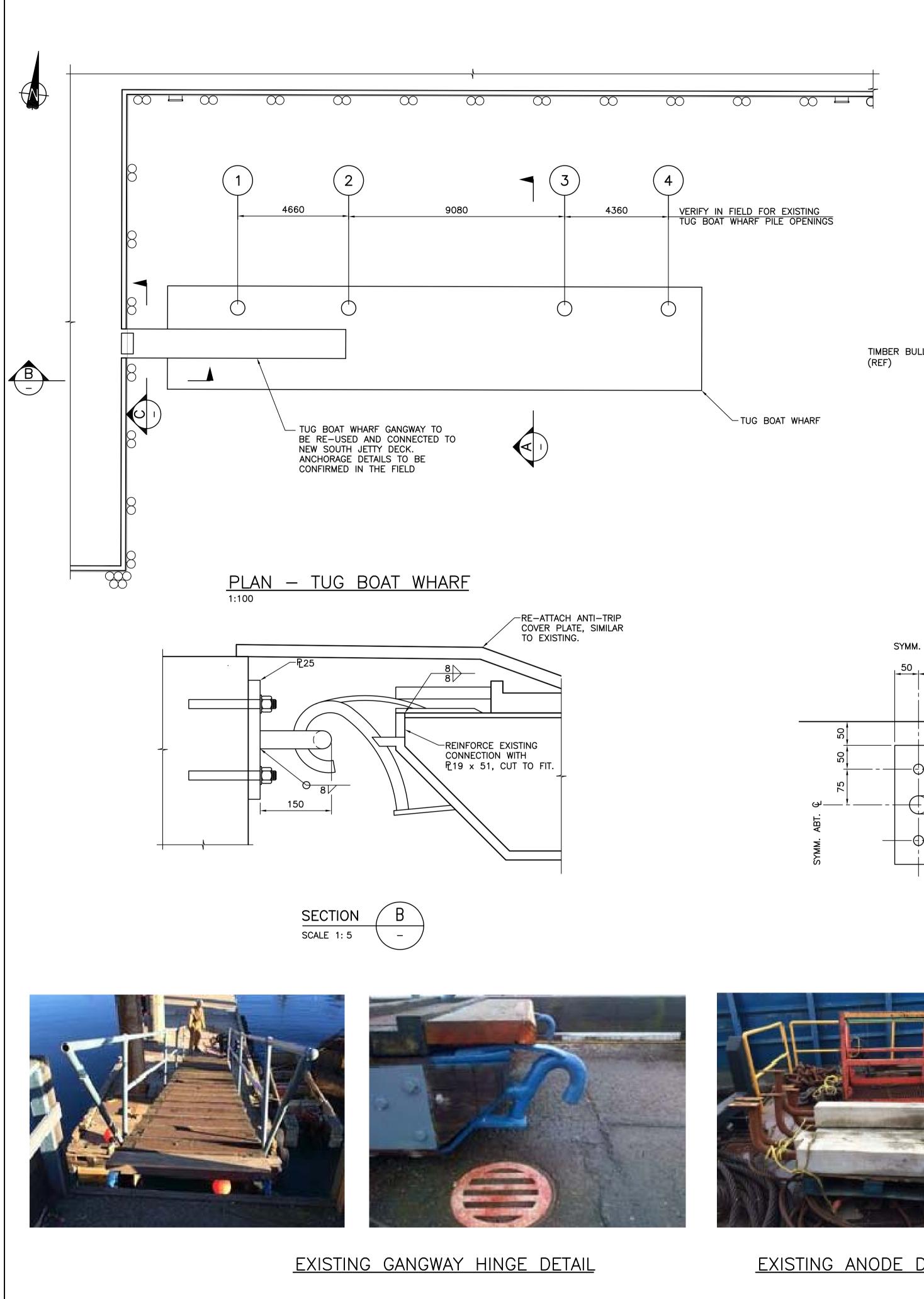








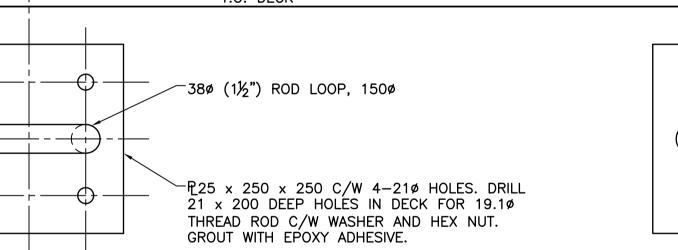
	*	Canada REAL PR		rnementaux ΞS
		Klohr	n Crippen I	Berger
HAND RAIL POST, TYP. RAILS NOT SHOWN FOR CLARITY				
3 - 3 0 = 3600				
(REF) T.O. WALL EL. 4.70m (REF)				
	0	12	SUED FOR TENDER	2014/12/19
	Revision/ Revision Client/cli	ent PUB AND G	ription/Description LIC WORKS OVERNMEN CES CANAD	
	82 ESC SO	5 ADMIRAL QUIMAL WATEF OUTH JE	T GRAVING DO S ROAD, VICTOR C GRAVING RLOT PHASE TTY UNDER	ПА, BC DOCK 2 -PIER
	Designed KRISTIN	nt Signature Or by/Concept p GREINACHER		
DIMENSIONS AND ELEVATIONS SHALL BE FIELD	ARNIE R PWGSC P	roject Manager	/Administrateur de Proje	ots TPSGC
ALL BE HOT DIP GALVANIZED. FABRICATOR SHALL /VENT HOLES IN PIPE SECTIONS AS REQUIRED. ATION GRIND/CLEAN FIELD WELDED EDGES DAMAGED AREAS. TOUCH UP WITH 2 COATS OF T OR APPROVED EQUAL.	ANDREW MYLLY Regional Manager, Environmental Services COLLIN KINGMAN Drawing title/Titre du dessin HAND RAIL			
	projet	lo./No. du 400.002	sheet/ S130	Revision no./

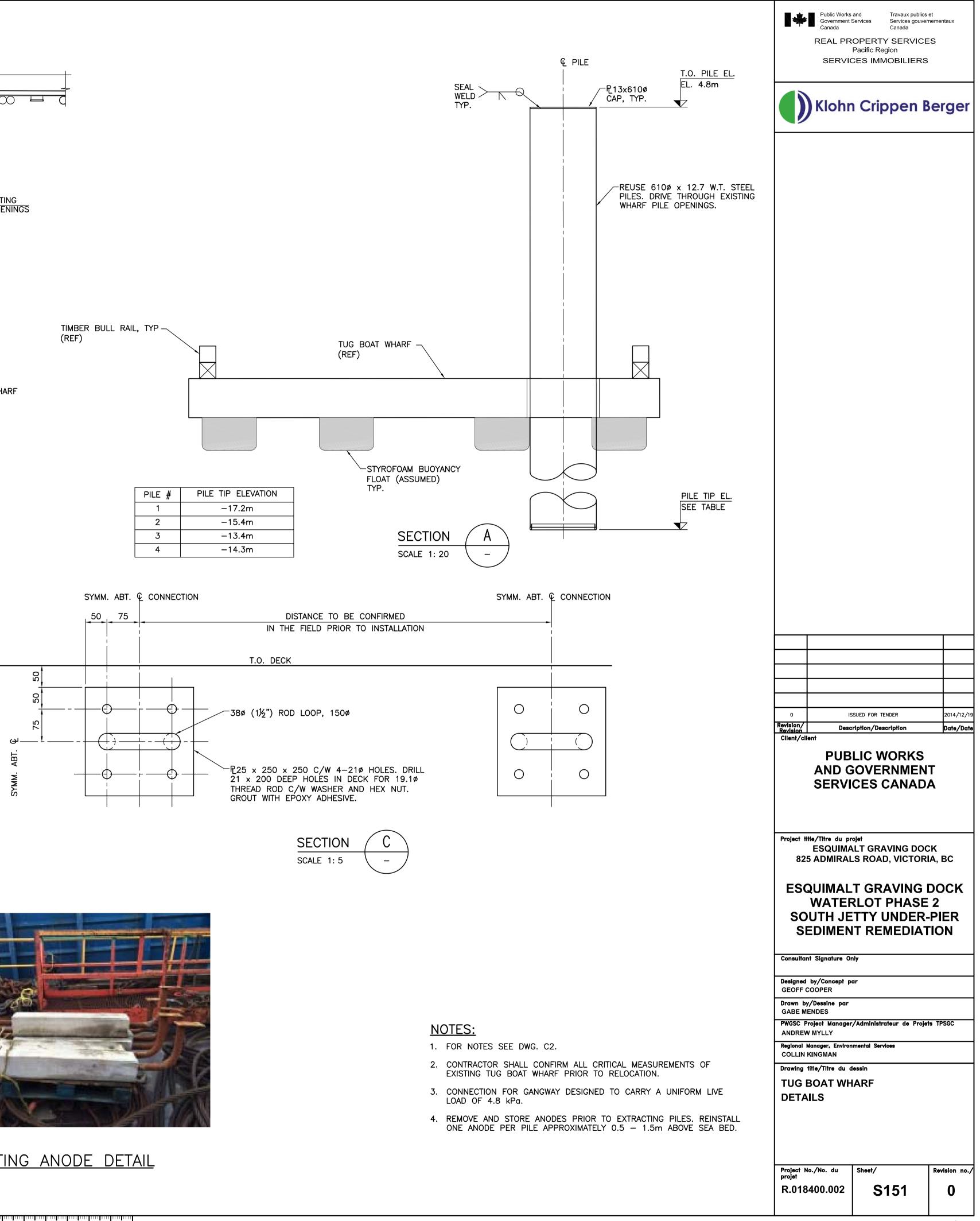


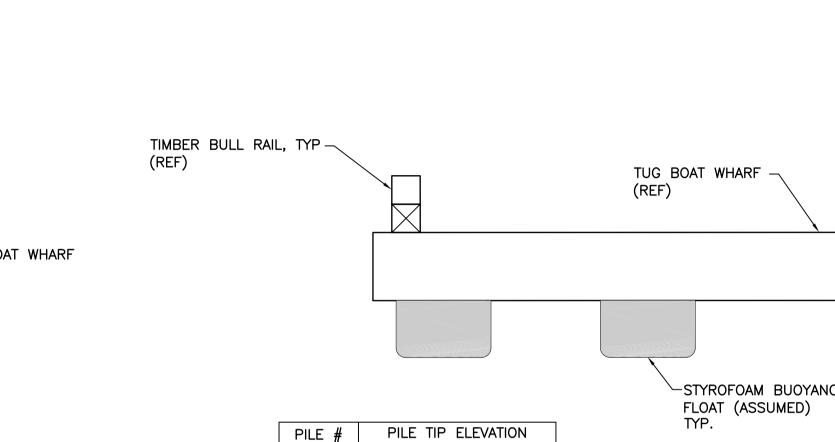
## EXISTING ANODE DETAIL











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