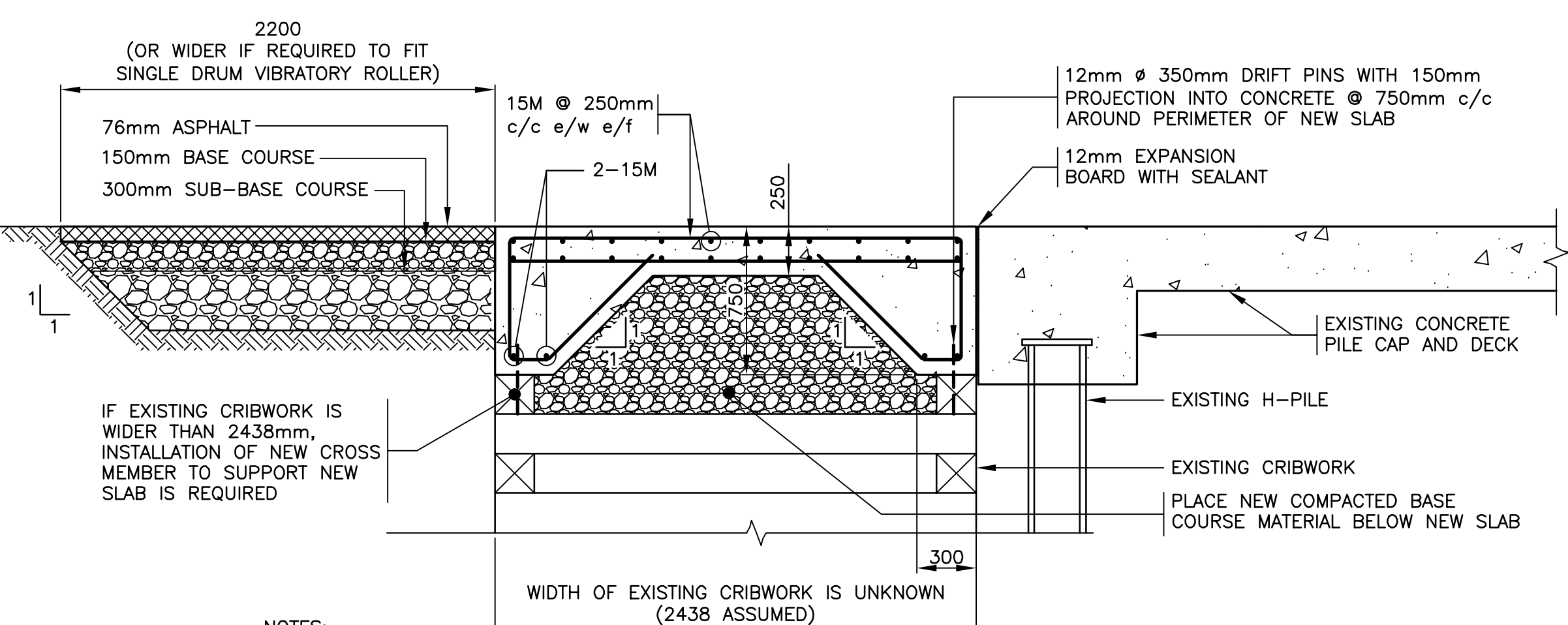
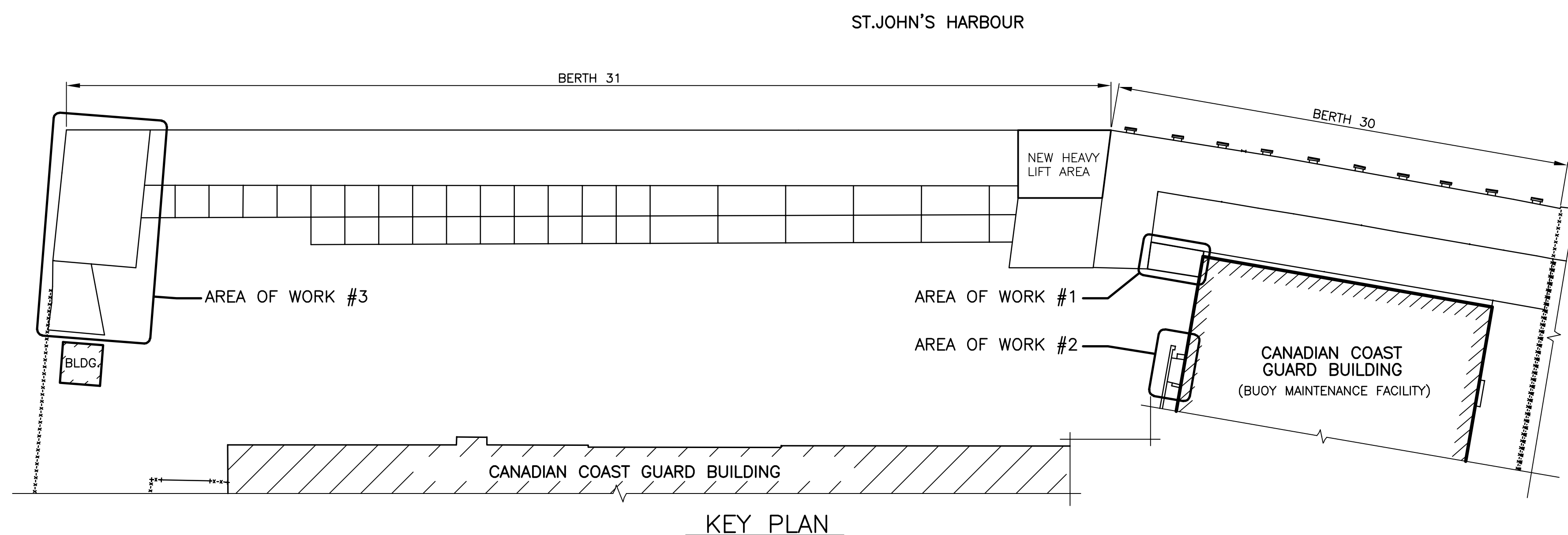


- NOTES:
- ALL FOUR SIDES OF TIMBER CRIB SHALL BE BLOCKED SOLID WITH 200x200 TIMBERS. FASTEN EACH PIECE OF BLOCKING WITH 2-19mm Ø GALVANIZED DRIFT PINS.
 - FILL CRIB WITH EXCAVATED EXISTING MATERIAL AND COMPACT.
 - GRADE NEW ASPHALT AND CONCRETE TO FORM STRAIGHT GRADE FROM EDGE OF EXISTING ASPHALT TO EXISTING DECK.



- NOTES:
- CONTRACTOR SHALL EXCAVATE DOWN TO EXISTING CRIBWORK WITH CARE NOT TO DAMAGE EXISTING TIMBERS. DEPTH OF CRIBWORK IS UNKNOWN. ONCE CRIBWORK IS UNCOVERED, DEPARTMENTAL REPRESENTATIVE WILL ADVISE AS TO WHETHER TWO TIERS OF TIMBERS SHALL BE REMOVED AND REPLACED UP TO A DEPTH OF 1000mm BELOW EXISTING WHARF DECK. CONTRACTOR TO INCLUDE IN SCOPE FOR REMOVAL AND REPLACEMENT OF TWO 2000x2000 TIERS OF 200x200 TIMBERS INSTALLED WITH 19mm Ø GALVANIZED DRIFT PINS AT 1500mm c/c INTO EXISTING TIMBER BELOW.
 - GRADE NEW ASPHALT AND CONCRETE TO FORM STRAIGHT GRADE FROM EDGE OF EXISTING ASPHALT TO EXISTING DECK.

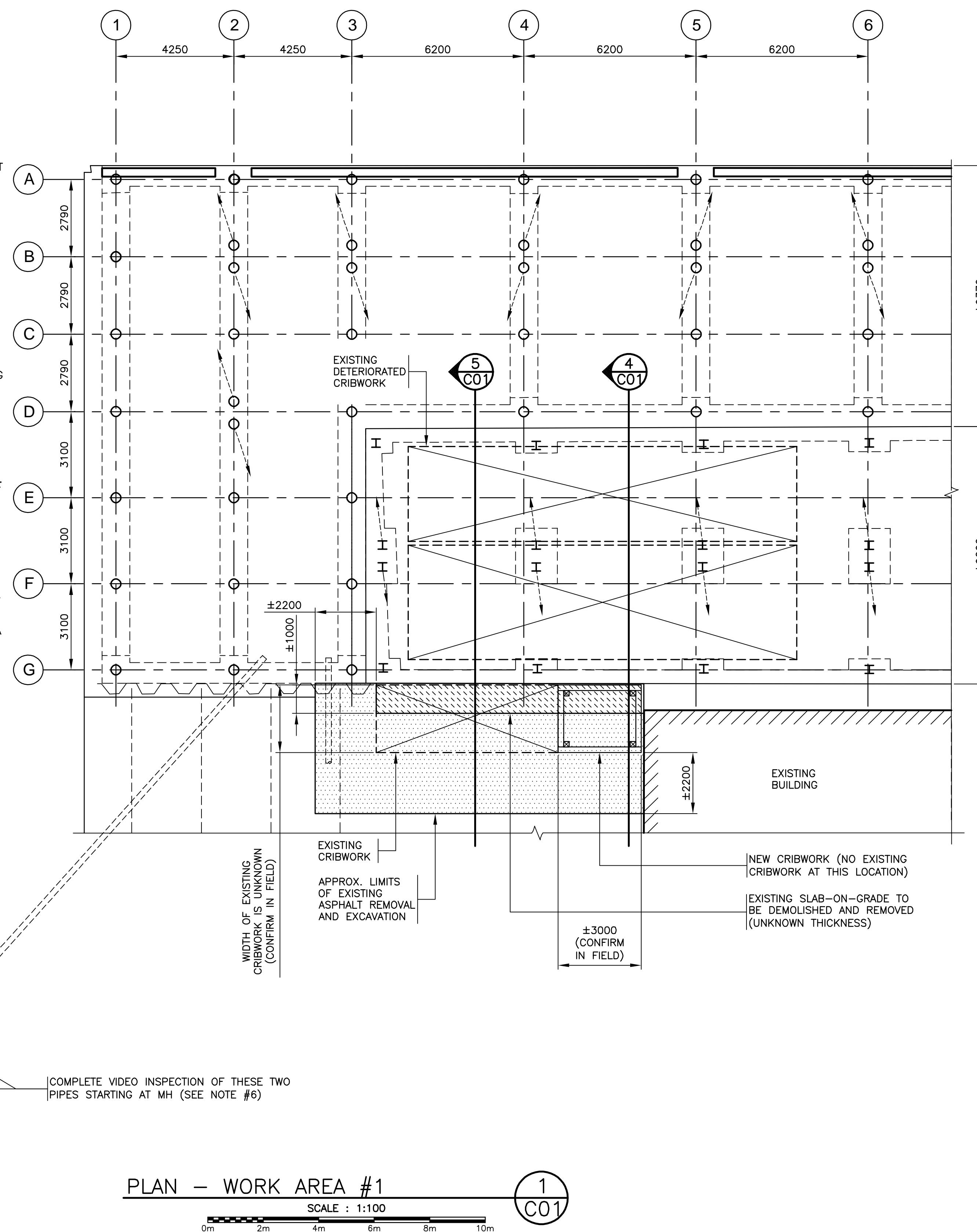


GENERAL NOTES:

- DO NOT SCALE FROM DRAWING.
- ALL DIMENSIONS IN MILLIMETERS.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY PORTION OF THE WORK.
- EXISTING ASPHALT SHALL BE CUT IN CLEAN STRAIGHT LINES AND PROTECTED THROUGHOUT CONSTRUCTION. ANY ASPHALT EDGES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE RECUT BEFORE PLACEMENT OF NEW ASPHALT.
- AFTER COMPLETION OF DEMOLITION AND REMOVAL AND EXCAVATION FOR NEW CRIBWORK AND SLAB-ON-GRADE, DEPARTMENTAL REPRESENTATIVE SHALL REVIEW THE SITE CONDITIONS TO CONFIRM THE REPAIR DETAILS BEFORE PROCEEDING WITH CRIB AND SLAB-ON-GRADE INSTALLATION. CRIB SHALL NOT BE FABRICATED UNTIL EXCAVATION IS COMPLETED AND DEPARTMENTAL REPRESENTATIVE HAS CONFIRMED DIMENSIONS.
- CONTRACTOR SHALL DEMOLISH AND REMOVE EXISTING SLAB-ON-GRADE AND ASPHALT TO THE LIMITS AS SHOWN.
- CONTRACTOR SHALL COMPLETE VIDEO INSPECTION OF THE TWO SEWER PIPES NOTED. INSPECTION SHALL BE DONE FOR A MINIMUM 20m LENGTH FOR EACH PIPE. CONTRACTOR TO PROVIDE WEB LINK OR OTHER DIGITAL FILE OF VIDEO, INCLUDING DOCUMENTATION OF ANY OBSERVED DEFECTS OR OTHER PERTINENT INFORMATION.
- ALL WORK TO BE PERFORMED IN ACCORDANCE WITH APPLICABLE LEGISLATION AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS.
- PROTECT EXISTING WHARF DECK, EXISTING BUILDINGS, AND ANY OTHER EXISTING ITEMS OUTSIDE THE LIMITS OF THE WORK FROM DAMAGE.
- COMPACTION OF GRANULARS BELOW NEW ASPHALT SHALL BE COMPLETED BY A SINGLE DRUM VIBRATORY ROLLER.

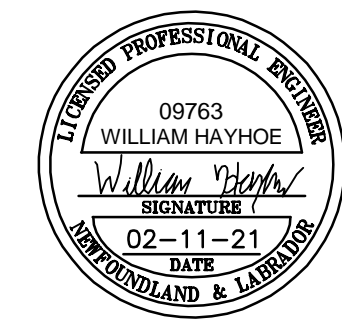
CONCRETE NOTES:

- PERFORM CONCRETE WORK IN ACCORDANCE WITH CSA A23.1-14.
- CONCRETE TO BE CLASS C-1 WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 35 MPa.
- PERFORM REINFORCING WORK IN ACCORDANCE WITH CSA A23.1-14.
- REINFORCING STEEL SHALL CONFORM TO CAN/CSA G30.18-09, GRADE 400R OR 400W.
- GIVEN THE TIMING OF THE WORK, THE COLD WEATHER CONCRETING REQUIREMENTS IN THE SPECIFICATION MUST BE IMPLEMENTED. THE SURFACE BELOW THE SLABS AND TRENCH SHALL BE ENCLOSED AND PREHEATED BEFORE PLACING OF CONCRETE. IMMEDIATELY AFTER PLACING OF CONCRETE THE CONCRETE SHALL BE ENCLOSED AND HEATED ACCORDING TO THE REQUIREMENTS OF THE SPECIFICATION FOR THE FULL 7 DAY CURING PERIOD.



NOTES

- ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEGA PERMIT HOLDER
 This Permit Allows
 DILLON CONSULTING LIMITED
 To Practice Professional Engineering
 in Newfoundland and Labrador.
 Permit No. as issued by PEGAIL: D0161
 which is valid for the year 2021

0	ISSUED FOR TENDER	FEB. 11 2021
B	ISSUED FOR 95% REVIEW	FEB. 9 2021
A	ISSUED FOR 90% REVIEW	JAN. 13 2021

revisions	date
project	project

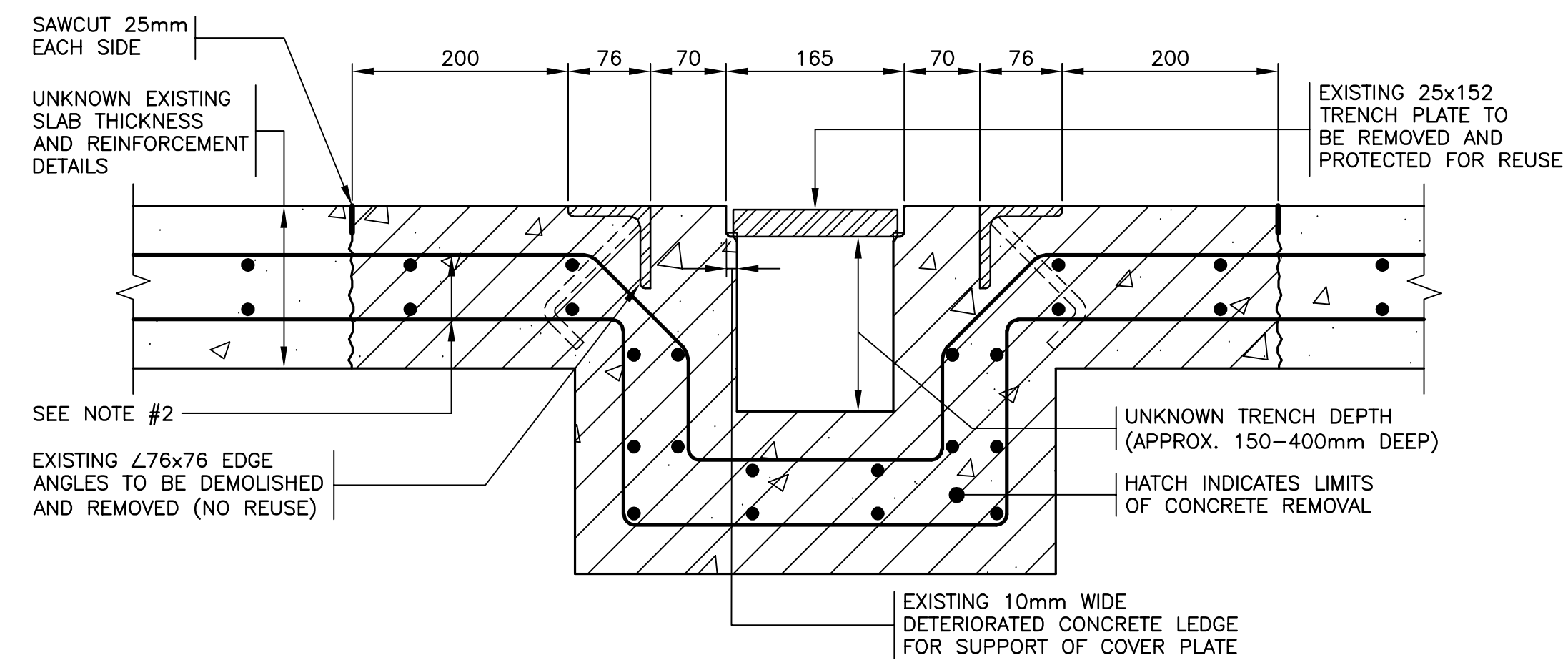
BERTH 30 & 31 REPAIRS
ST. JOHN'S, NL

KEY PLAN AND WORK AREA #1

designed	W. HAYHOE	concu
date	JANUARY 2021	
drawn	P. BAILEY	dessine
date	JANUARY 2021	
approved	S. PEARCE	approuve
date	JANUARY 2021	

Tender Submission
 DFO Project Manager no. du projet
F6879-209008

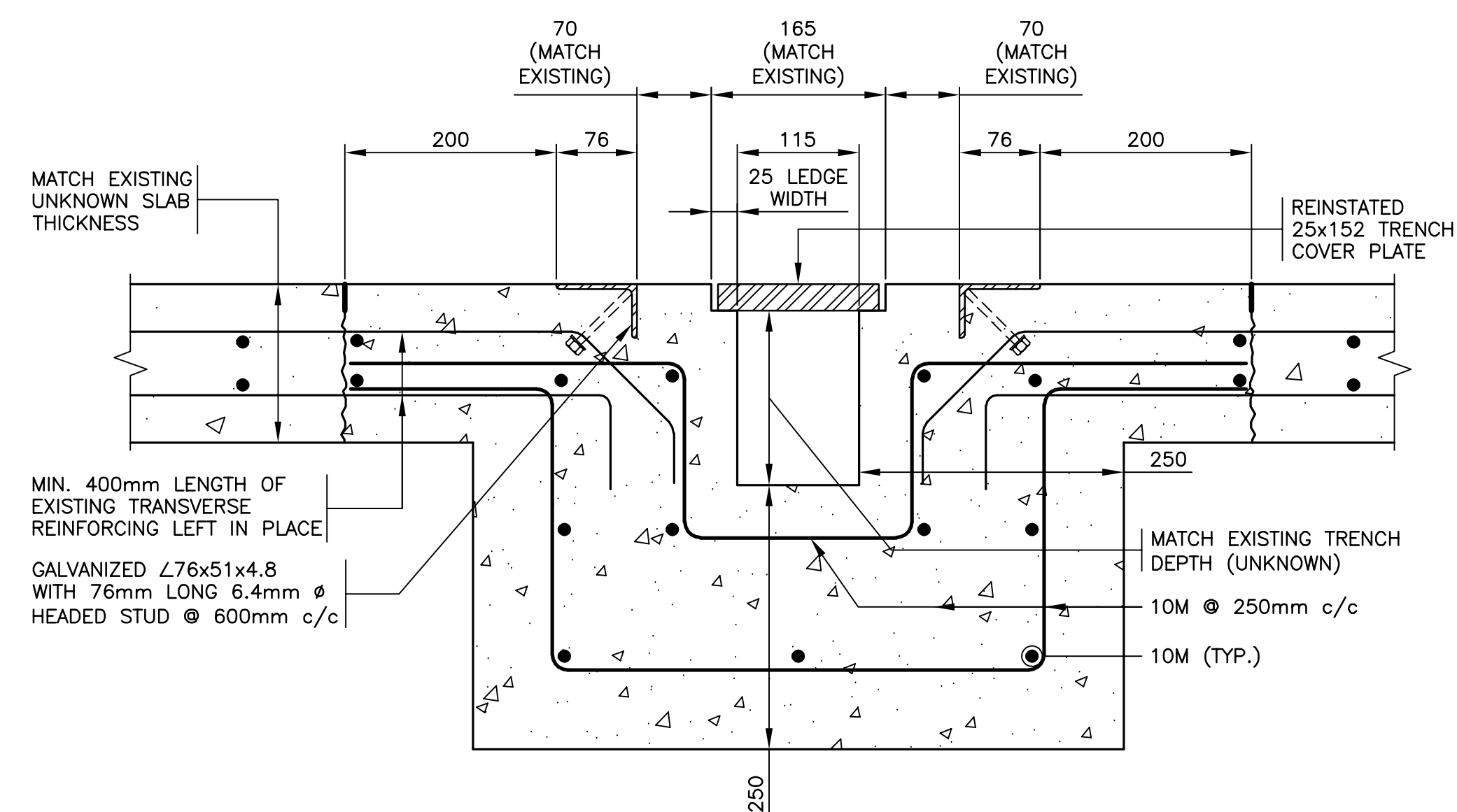
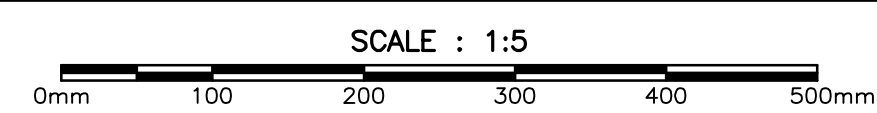
drawing no. no. du dessin
C01 OF 3



NOTES:

1. THICKNESS AND REINFORCING OF EXISTING SLAB AND TRENCH IS UNKNOWN.
2. MINIMUM 400mm LENGTH OF TRANSVERSE REINFORCING TO REMAIN IN PLACE. DAMAGED TRANSVERSE REBAR TO BE REPLACED WITH NEW 10M DOWELS INSTALLED WITH HILTI HY200 EPOXY AND 150mm EMBEDMENT (SPACING OF DOWELS TO MATCH EXISTING REBAR).

SECTION - EXISTING TRENCH REMOVALS 2



NOTES:

1. 75mm COVER WHERE CONCRETE CAST AGAINST EARTH, 60mm COVER AT ALL OTHER LOCATIONS.
2. MATCH EXISTING GRADES AND SLOPE EVENLY BETWEEN.

SECTION - TRENCH REINSTATEMENT 3



4500 LENGTH OF TRENCH TO BE DEMOLISHED AND REINSTATEMENT

STRIP OF SLAB-ON-GRADE EACH SIDE OF TRENCH TO BE REMOVED AND REINSTATEMENT

CLEAN 25mm SAWCUT AT EACH END OF TRENCH. LEAVE 400mm OF EXISTING LONGITUDINAL TRENCH REINFORCING IN PLACE TO LAP NEW REINFORCING.

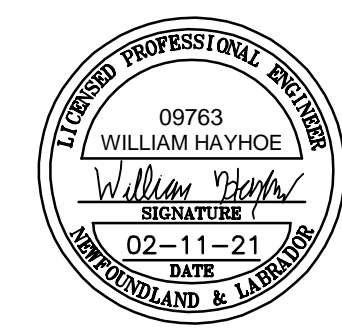
PLAN - WORK AREA #2



1
C02

NOTES

1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
 This Permit Allows
DILLON CONSULTING LIMITED
 To Practice Professional Engineering
 in Newfoundland and Labrador.
 Permit No. as issued by PEGNL 00161
 which is valid for the year 2021

0	ISSUED FOR TENDER	FEB. 11 2021
B	ISSUED FOR 95% REVIEW	FEB. 9 2021
A	ISSUED FOR 90% REVIEW	JAN. 13 2021

revisions	date
project	project

BERTHS 30 & 31 REPAIRS
ST. JOHN'S, NL

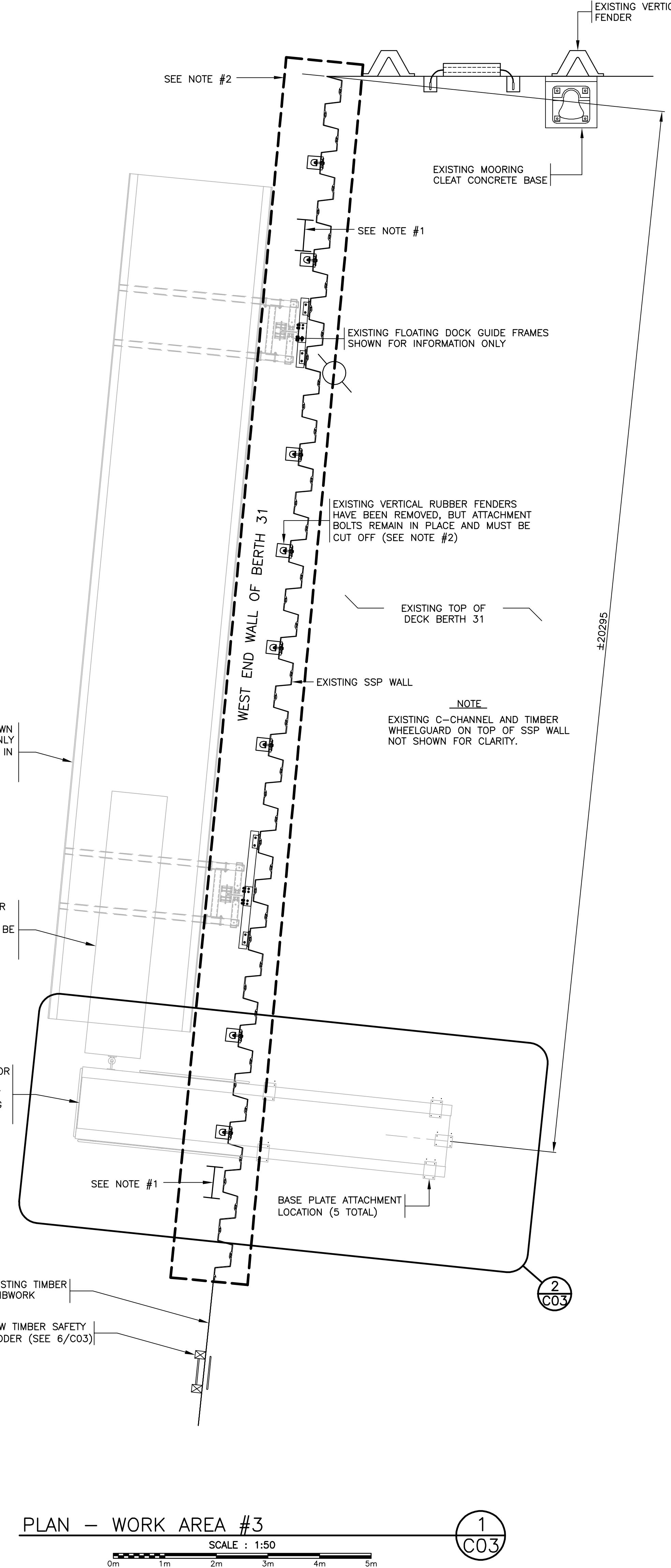
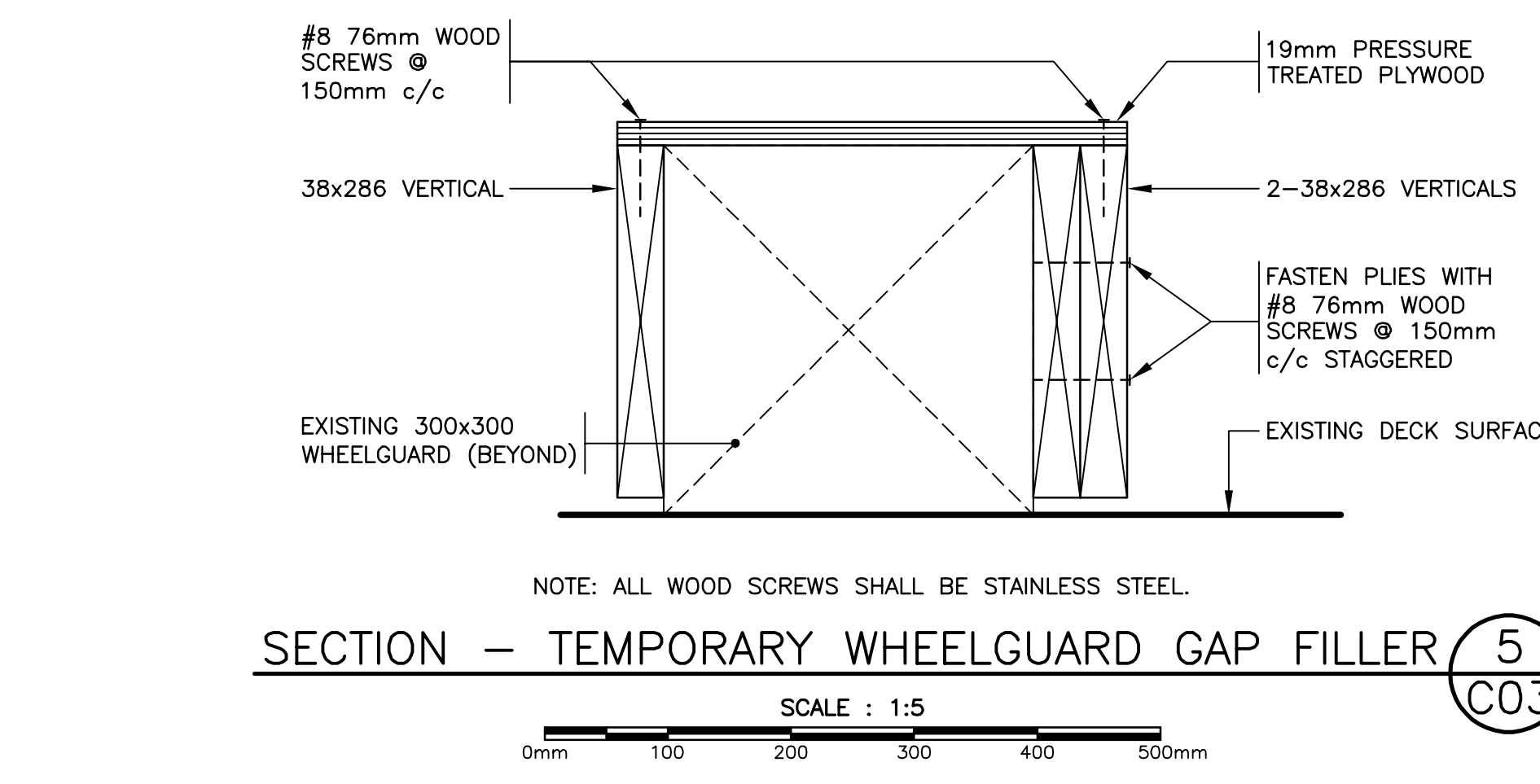
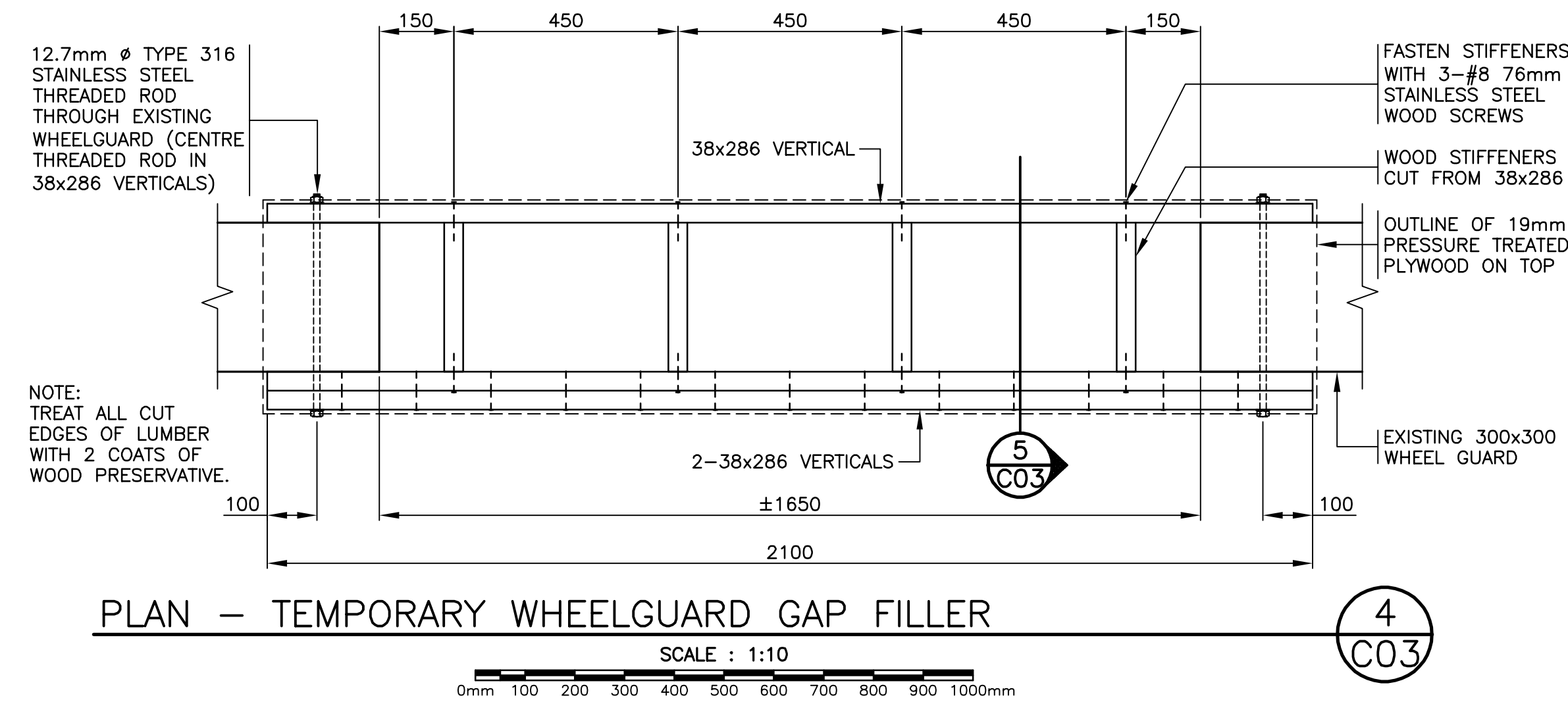
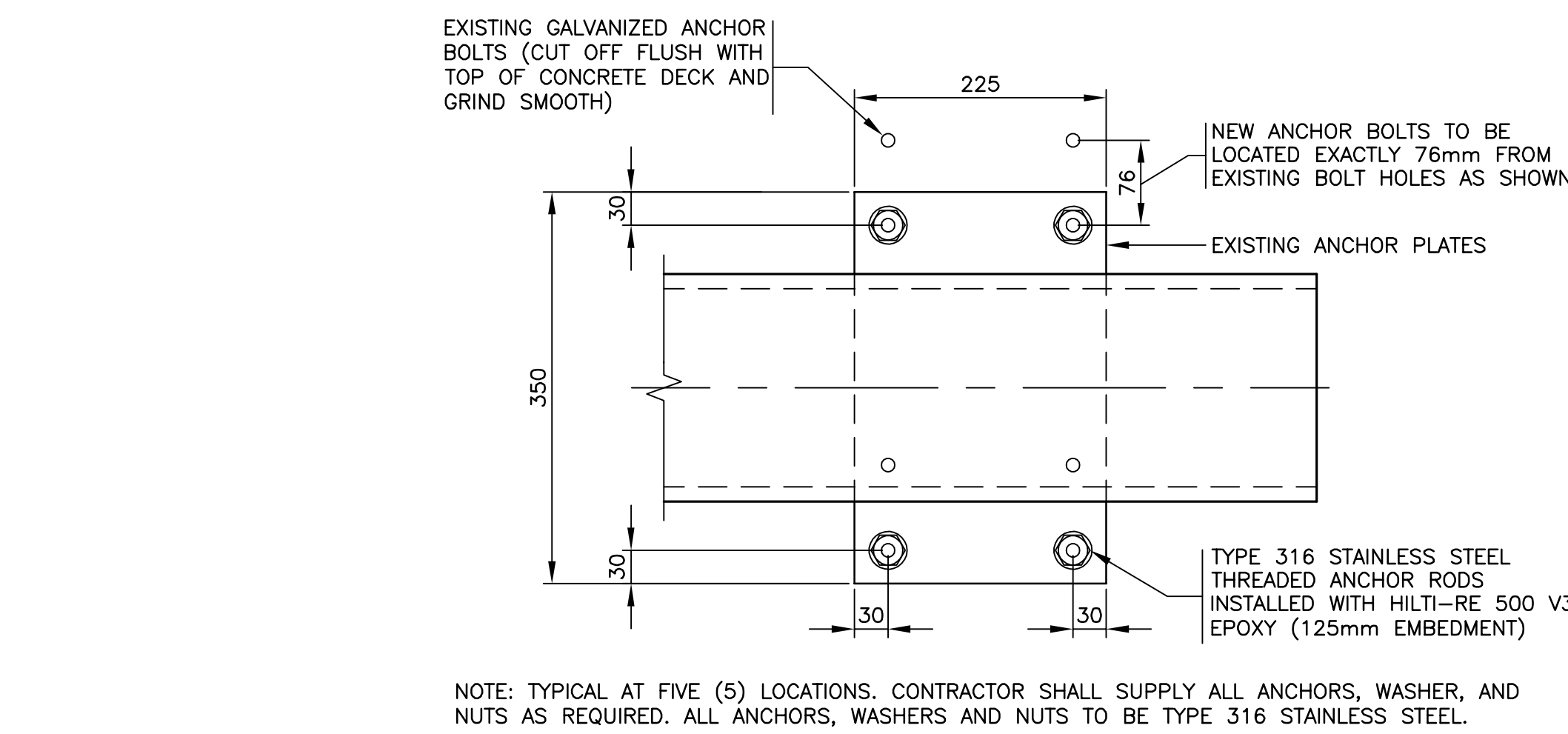
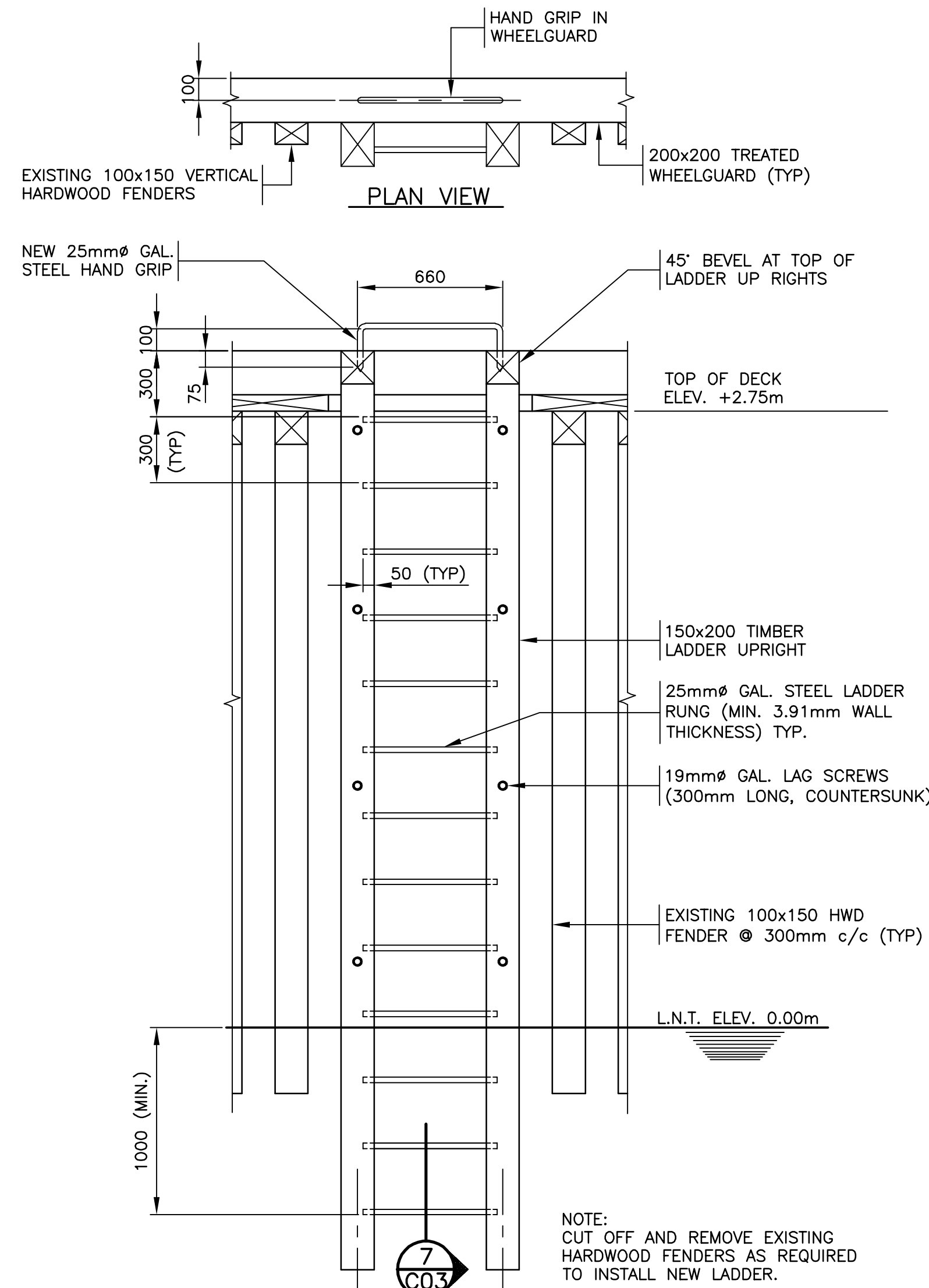
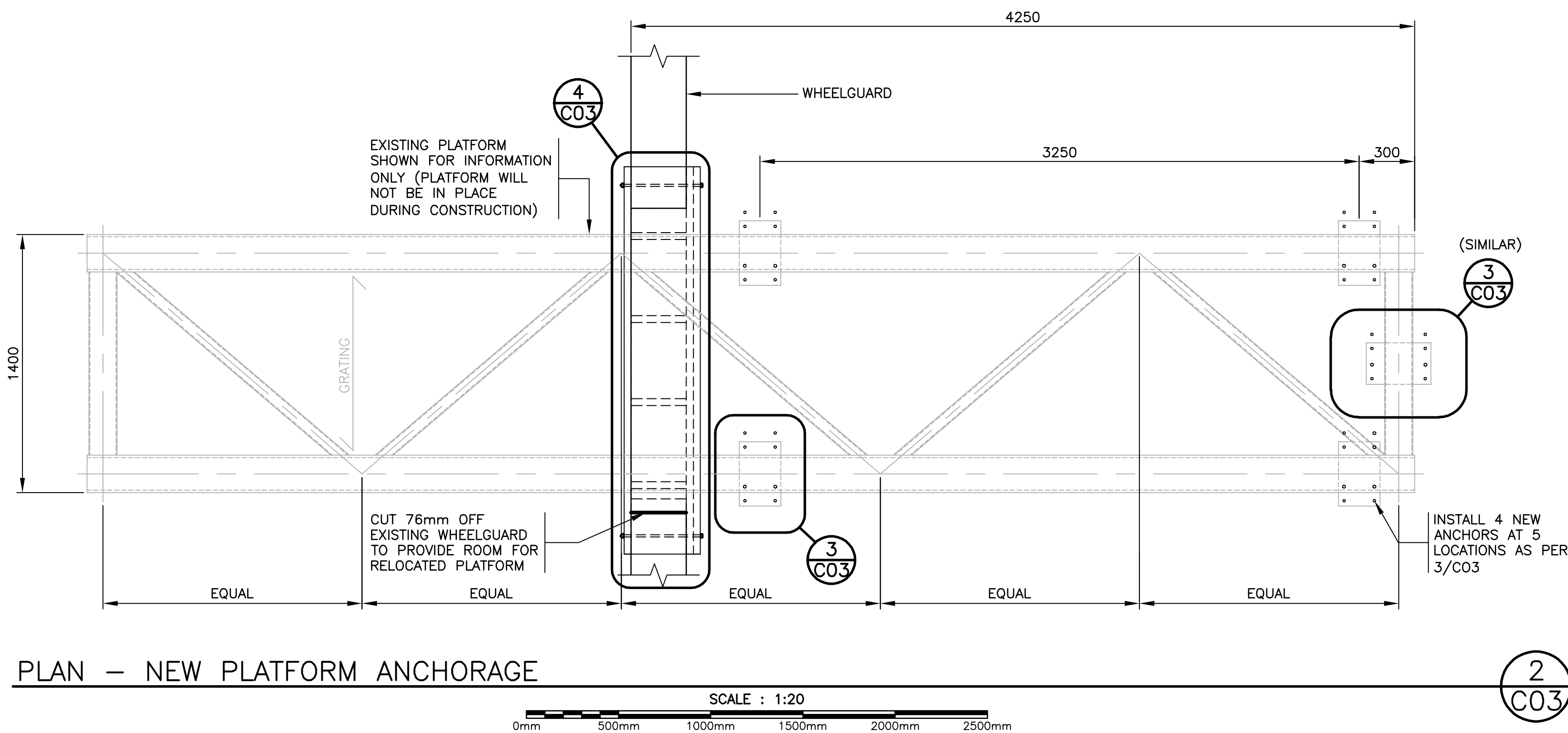
WORK AREA #2

designed	W. HAYHOE	concu
date	JANUARY 2021	
drawn	P. BAILEY	dessin
date	JANUARY 2021	
approved	S. PEARCE	approuve
date	JANUARY 2021	

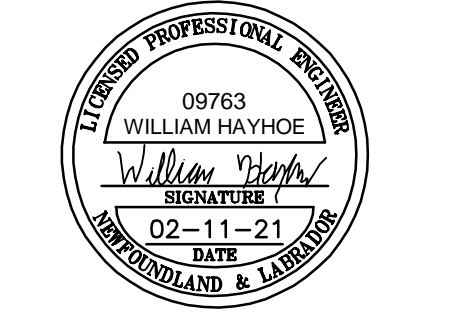
Tender	Submission
DFO Project Manager	no. du projet
project number	F6879-209008
drawing no.	C02 OF 3

NOTES:

- REMOVE TWO EXISTING STEEL SAFETY LADDERS. CUT OFF ALL ATTACHMENT POINTS FOR THE LADDERS FLUSH WITH THE FACE OF THE STEEL SHEET PILING AND GRIND SMOOTH ANY ROUGH EDGES.
- ALONG ENTIRE WEST FACE OF BERTH 31, CUT OFF AND GRIND SMOOTH ALL METAL PROTRUSIONS BEYOND THE FACE OF THE EXISTING SHEET PILING. METAL PROTRUSIONS GENERALLY CONSIST OF OLD BOLTS FOR CONNECTION OF PREVIOUSLY REMOVED VERTICAL FENDERS, OLD ATTACHMENT POINTS FOR STEEL LADDERS, AND OTHER MISCELLANEOUS ITEMS. DO NOT CUT OFF EXISTING U-BOLT ATTACHMENT POINTS FOR FLOATING FENDERS (COORDINATE THIS ITEM WITH THE DEPARTMENTAL REPRESENTATIVE).
- FOR INSTALLATION OF NEW ANCHOR BOLTS TO SUPPORT EXISTING PLATFORM, CONTRACTOR SHALL CONSTRUCT A RIGID TEMPLATE THAT INCLUDES THE BOLT HOLES FOR ALL 5 ANCHOR LOCATIONS (20 BOLT HOLES TOTAL). TEMPLATE MUST BE RIGID AND NOT ALLOW FOR DEFLECTION, WARPING, OR OTHER DAMAGE DURING TRANSPORTATION AND USE. SUBMIT A SKETCH OF PROPOSED TEMPLATE TO DEPARTMENTAL REPRESENTATIVE FOR APPROVAL PRIOR TO FABRICATION. THE CONTRACTOR SHALL VISIT THE CURRENT PLATFORM STORAGE LOCATION ON SUGARLOAF ROAD IN ST. JOHN'S AND FIELD MEASURE ALL EXISTING ANCHOR BOLTS HOLES AND CONSTRUCT THE TEMPLATE TO MATCH EXACTLY. THE CONTRACTOR MUST TRANSPORT THE COMPLETED TEMPLATE TO THE CURRENT STORAGE LOCATION OF THE PLATFORM ON SUGARLOAF ROAD IN ST. JOHN'S AND FIT THE TEMPLATE TO THE EXISTING ANCHOR BOLTS AND FIELD VERIFY THAT ALL 20 BOLTS HOLES IN THE TEMPLATE EXACTLY MATCH THE CURRENT BASE PLATE HOLES IN THE EXISTING PLATFORM. FIELD VISITS TO MEASURE AND VERIFY TEMPLATE BOLT HOLE LOCATIONS MUST BE COORDINATED WITH THE DEPARTMENTAL REPRESENTATIVE.



- NOTES
- ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit Allows
DILLON CONSULTING LIMITED
To Practice Professional Engineering
in Newfoundland and Labrador.
Permit No. as issued by PEGNL 00161
which is valid for the year 2021

0	ISSUED FOR TENDER	FEB. 11 2021
B	ISSUED FOR 95% REVIEW	FEB. 9 2021
A	ISSUED FOR 90% REVIEW	JAN. 13 2021
revisions		date
project		project

BERTHS 30 & 31
REPAIRS
ST. JOHN'S, NL

WORK AREA #3

designed	W. HAYHOE	concu
date	JANUARY 2021	
drawn	P. BAILEY	dessine
date	JANUARY 2021	
approved	S. PEARCE	approuve
date	JANUARY 2021	
Tender		Submission
DFP Project Manager		
project number		no. du projet
	F6879-209008	
drawing no.		no. du dessin