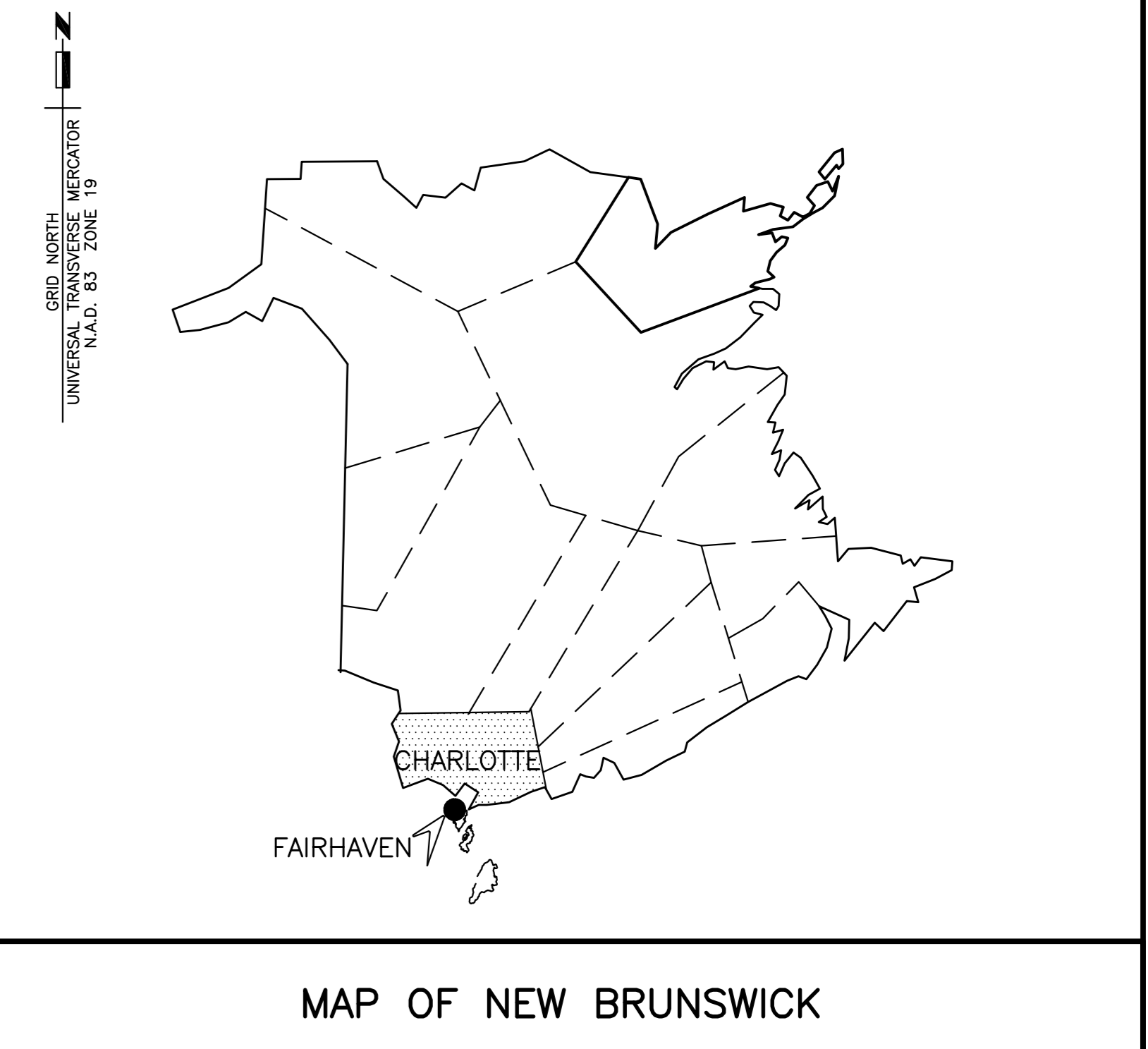


Fisheries and Oceans
Canada

Small Craft Harbours
Maritimes / Gulf Region

Pêches et Océans
Canada

Ports pour Petits Bateaux
Région des Maritimes / Golfe



CROSS-BRACING REPAIRS & SHORE PROTECTION UPGRADE. FAIRHAVEN, DEER ISLAND, NEW BRUNSWICK

DRAWING LIST

MARINE

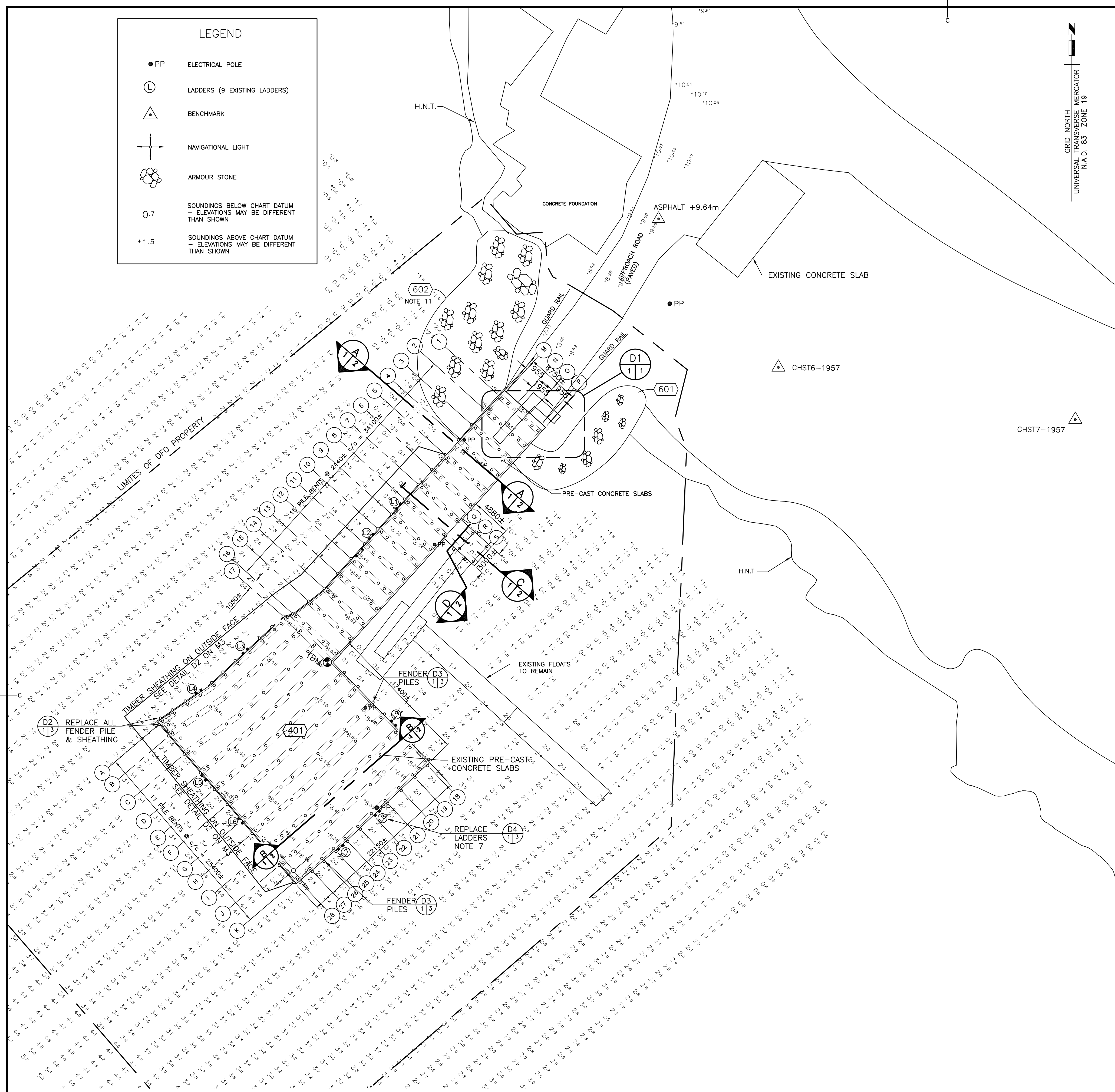
- M1 PLAN OF NEW WORK, ELECTRICAL TRENCH DETAIL AND SECTION.
- M2 TIMBER BRACES SECTIONS
- M3 LADDERS AND SHEATHING, SECTIONS AND DETAILS
- C1 SHORE PROTECTION PLAN AND SECTION

PROJECT NO. C2-00327 (CROSS BRACES PROJECT)

PROJECT NO. C2-00328 (SHORE PROTECTION PROJECT)



LEGEND	
● PP	ELECTRICAL POLE
⊕	LADDERS (9 EXISTING LADDERS)
△	BENCHMARK
⊕	NAVIGATIONAL LIGHT
⊗	ARMOUR STONE
0.7	SOUNDINGS BELOW CHART DATUM = ELEVATIONS MAY BE DIFFERENT THAN SHOWN
*1.5	SOUNDINGS ABOVE CHART DATUM = ELEVATIONS MAY BE DIFFERENT THAN SHOWN



SURVEY NOTES

SURVEY PARTY CHIEF: E. VAN NULAND D. GREEN
 SURVEY VESSEL: RAMPART SURVEYOR
 SURVEY DATE(S): NOVEMBER 4, 2021 & MARCH 16, 2022

SOUNDER TYPE: RESON T-20 MULTIBEAM SYSTEM
 SOUNDER SETTINGS: N/A
 DEPTH DATE USED: N/A
 POSITIONING SYSTEM USED: APPLANIX POS MV
 LAND SURVEY POSITION BY: TRIMBLE R7 RTK

RAW DATA FILE(S): FH075MX.ZIP
 CAD DRAWING FILE(S): FH075TP.DWG

TIDAL REDUCTION SCHEME: REF. TO CHS T6 - 1957 CD ELEV. +12.938m
 REF. TO CHS T7 - 1957 CD ELEV. +12.233m

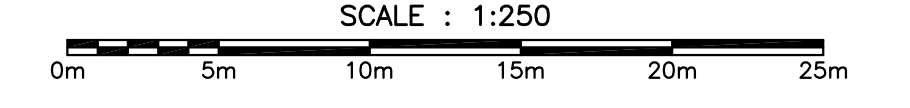
OFFICE PROCESSOR: T. BROTHERS & S. VAUTOUR
 DATE OF PROCESSING: JANUARY 15, 2022 & MARCH 17, 2022

MODE OF PLOTTING: AVERAGE OF AVERAGE
 MATRIX CELL WIDTH X LENGTH: 1.2m x 3.0m

CONTROL POINTS:	PL. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
14297	859125.029	4976704.851	N/A		LRIS CONTROL
CHS76-1957	657143.147	4980924.948	+12.938		CHS MONUMENT
CHS77-1957	657179.392	4980918.512	+12.233		NOT FOUND NOVEMBER 4, 2021
ASPHALT	657128.495	4980943.110	+9.64		PWGS (NAIL IN ASPHALT)
TM			+8.50		TOP OF DECK

NOTE: LINEWORK TAKEN FROM 2006 PLAN WITH EXCEPTION OF THE FLOATING WHARF AND GANGWAY.

SITE PLAN OF NEW WORK



GENERAL NOTES

EXISTING PLAN AND SECTIONS ARE APPROXIMATE ONLY. THE ACTUAL CONSTRUCTION CONFIGURATION AND DETAILS MAY DIFFER THAN SHOWN. CONTRACTOR IS ADVISED TO BECOME FAMILIAR WITH SITE CONDITIONS AND EXISTING CONSTRUCTION DETAILS PRIOR TO SUBMITTING A BID.

CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION OF EXISTING INFRASTRUCTURES.

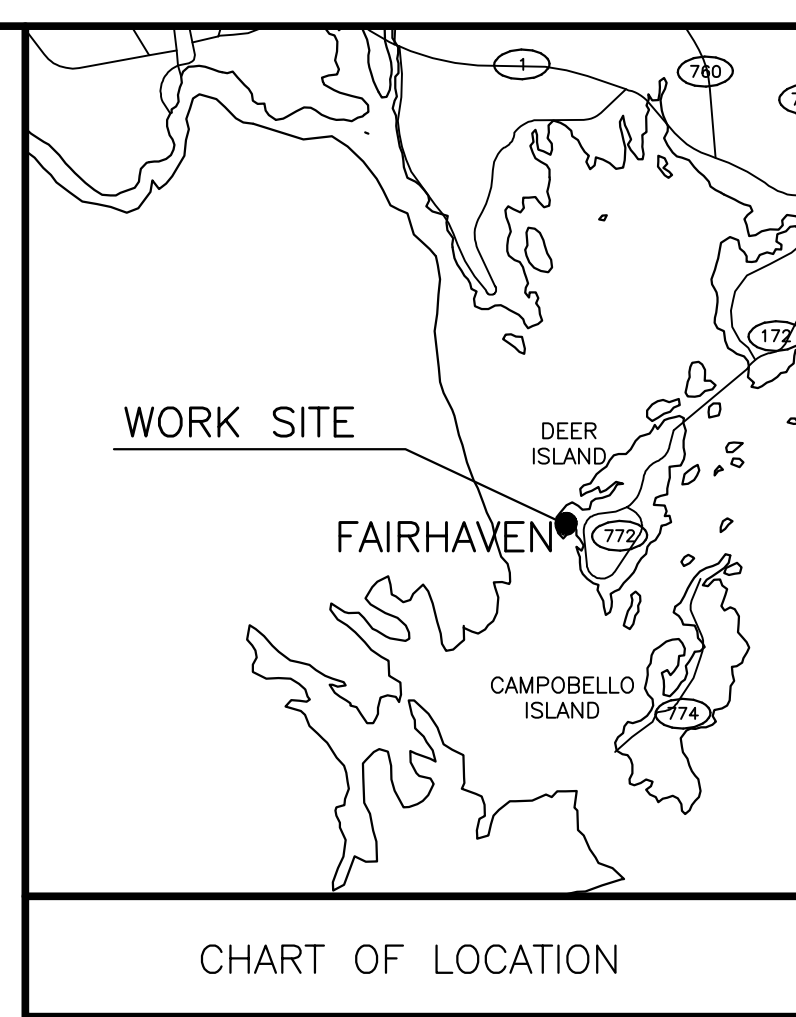
STRUCTURAL INTEGRITY OF THE INFRASTRUCTURE TO BE MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR.

CONTRACTOR IS RESPONSIBLE TO DETERMINE SUITABILITY OF ALL ACCESS STRUCTURES FOR INTENDED LOADS. ENSURE NO PART OF STRUCTURES ARE SUBJECTED TO LOADS THAT WILL ENDANGER ITS SAFETY OR CAUSE DAMAGE.

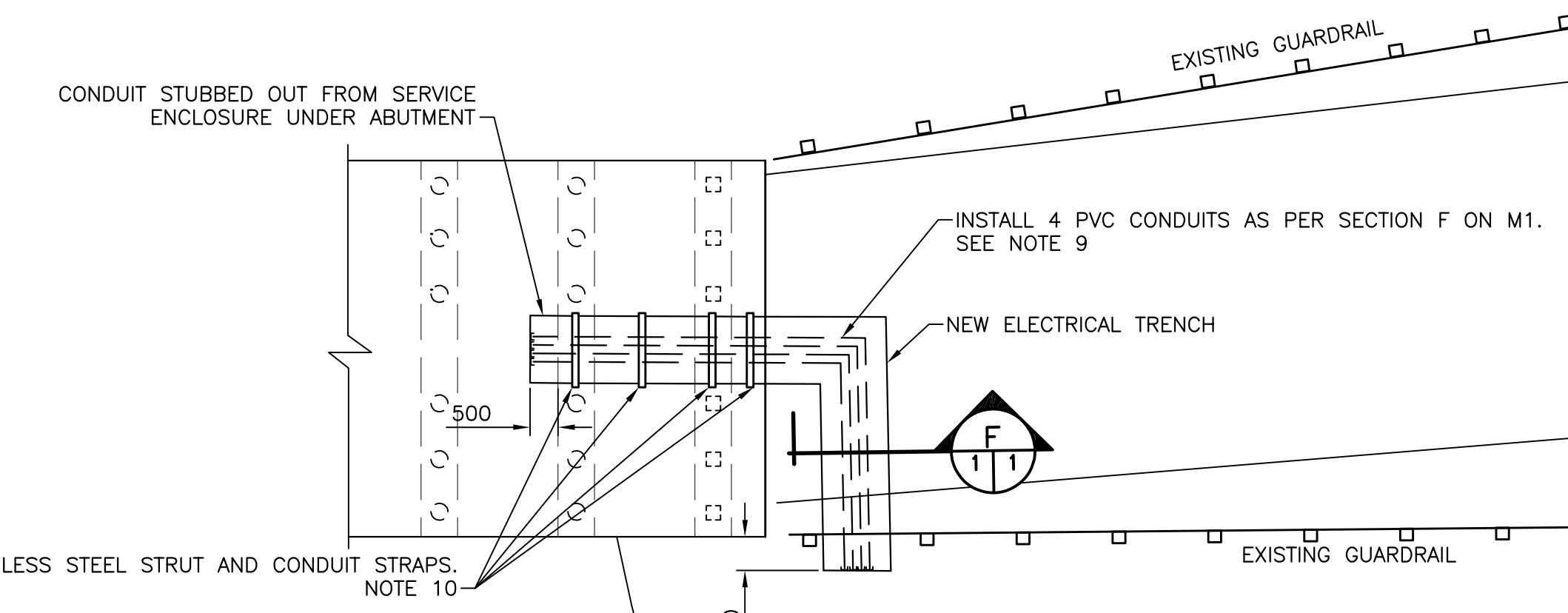
THE CONTRACTOR IS ADVISED THAT SOME FISHERY ACTIVITIES WILL BE IN EFFECT DURING CONSTRUCTION. FISHERMEN, FISH BUYERS, TRAFFIC WILL BE UTILIZING THESE STRUCTURES ON A REGULAR BASIS. COORDINATE WORK ACCORDINGLY WITH DEPARTMENTAL REPRESENTATIVE.

NOTES

- CONTRACTOR TO REUSE EXISTING DRILLED THROUGH HOLES IN ALL LOCATION TO RECONNECT NEW HARDWARE.
- STRUCTURAL INTEGRITY OF THE INFRASTRUCTURE TO BE MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR.
- ALL DIMENSION MEMBER TO BE FIELD VERIFIED BY CONTRACTOR.
- ALL NEW TIMBER PIECES TO BE EXTENDED 300mm BEYOND THE DRILLED THROUGH HOLES.
- ALL CONNECTING HARDWARE TO BE HOT DIPPED GALVANIZED.
- ALL EXISTING TIMBER MEMBERS TO BE REMOVED AND DISPOSED. INCLUDING FENDER PILES, SHEATHING, WALE, CROSS BRACES, LADDERS, ETC.) ALL NEW PRESSURE TREATED TIMBER TO BE REPLACED AS PER SECTIONS A, B, C & D ON DRAWING M2. SHEATHING TO BE INSTALLED AS PER DETAIL D2 ON M3.
- ALL LADDERS TO BE REMOVED AND ASSESSED. ONLY THE GOOD LADDERS DEEMED APPROPRIATE BY THE DEPARTMENTAL REPRESENTATIVE WILL BE REINSTALLED IN THEIR PVIOUS LOCATIONS. NEW LADDER TO BE FABRICATED AS PER DETAIL D4 ON M3. ADDERS DEEMED NOT REUSABLE WILL BE RETURNED TO DEPARTMENTAL REPRESENTATIVE.
- TIMBER WHEELGUARD ARE NOT PART OF THIS CONTRACT.
- 103mm PVC CONDUITS INSTALLED FROM SERVICE OUT TO WHERE ACCESSIBLE UNDER WHARF. ROUTE CONDUITS UNDER EXISTING ELECTRICAL FEED TO WHARF. CAP CONDUITS AT EDGE OF ASPHALT FOR FUTURE SERVICE UPGRADE.
- SECURE CONDUITS TO UNDERSIDE OF WHARF AT NO MORE THAN 1.5m INTERVALS WITH 316 STAINLESS STEEL STRUT AND CONDUIT STRAPS.
- FOR 602 ARMOURSTONE UPGRADE SEE DRAWING C1 OF C1



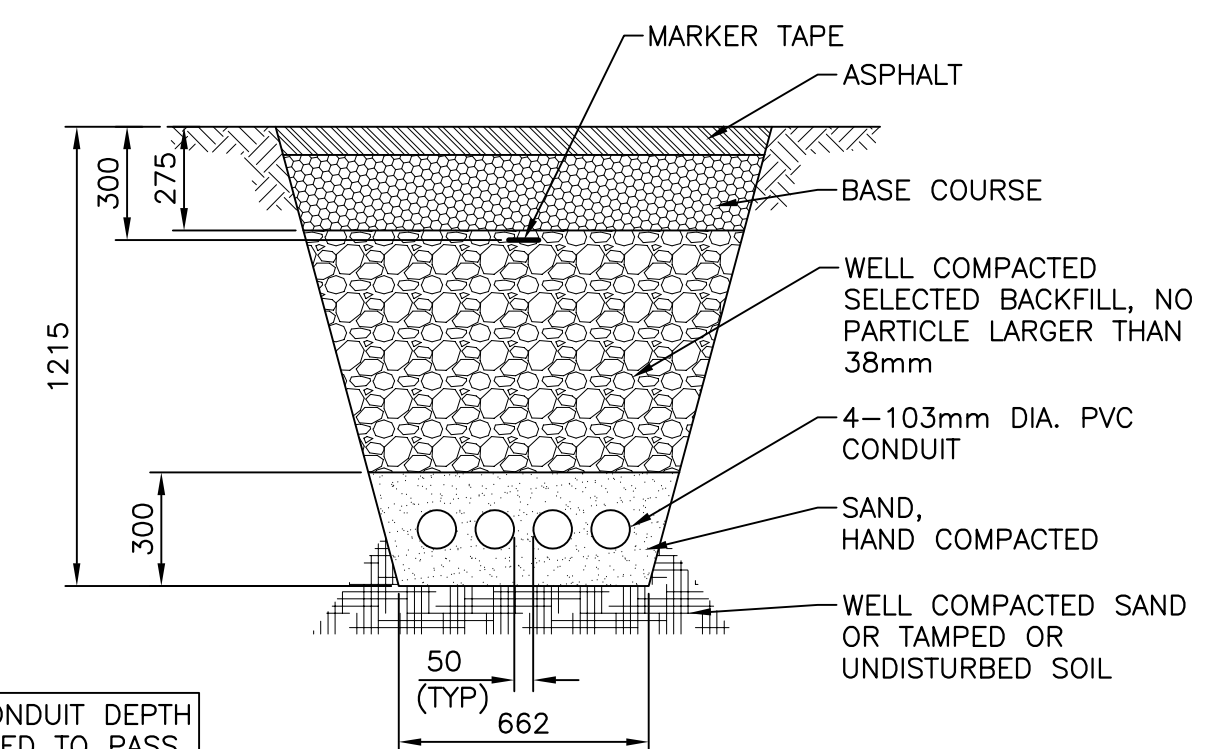
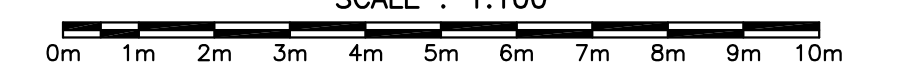
Fisheries and Oceans Pêches et Océans
 Canada Canada
 Small Craft Harbours Ports pour Petits Bateaux
 Maritimes/Gulf Region Région des Maritimes/Golfo



BURIED UTILITIES

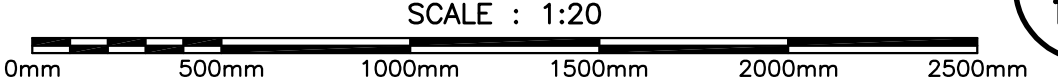
THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING BURIED UTILITIES BEFORE COMMENCING WORK AND WILL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

ELECTRICAL CONDUIT DETAIL



ADJUST CONDUIT DEPTH AS REQUIRED TO PASS UNDER ABUTMENT.

ELECTRICAL CONDUIT TRENCH



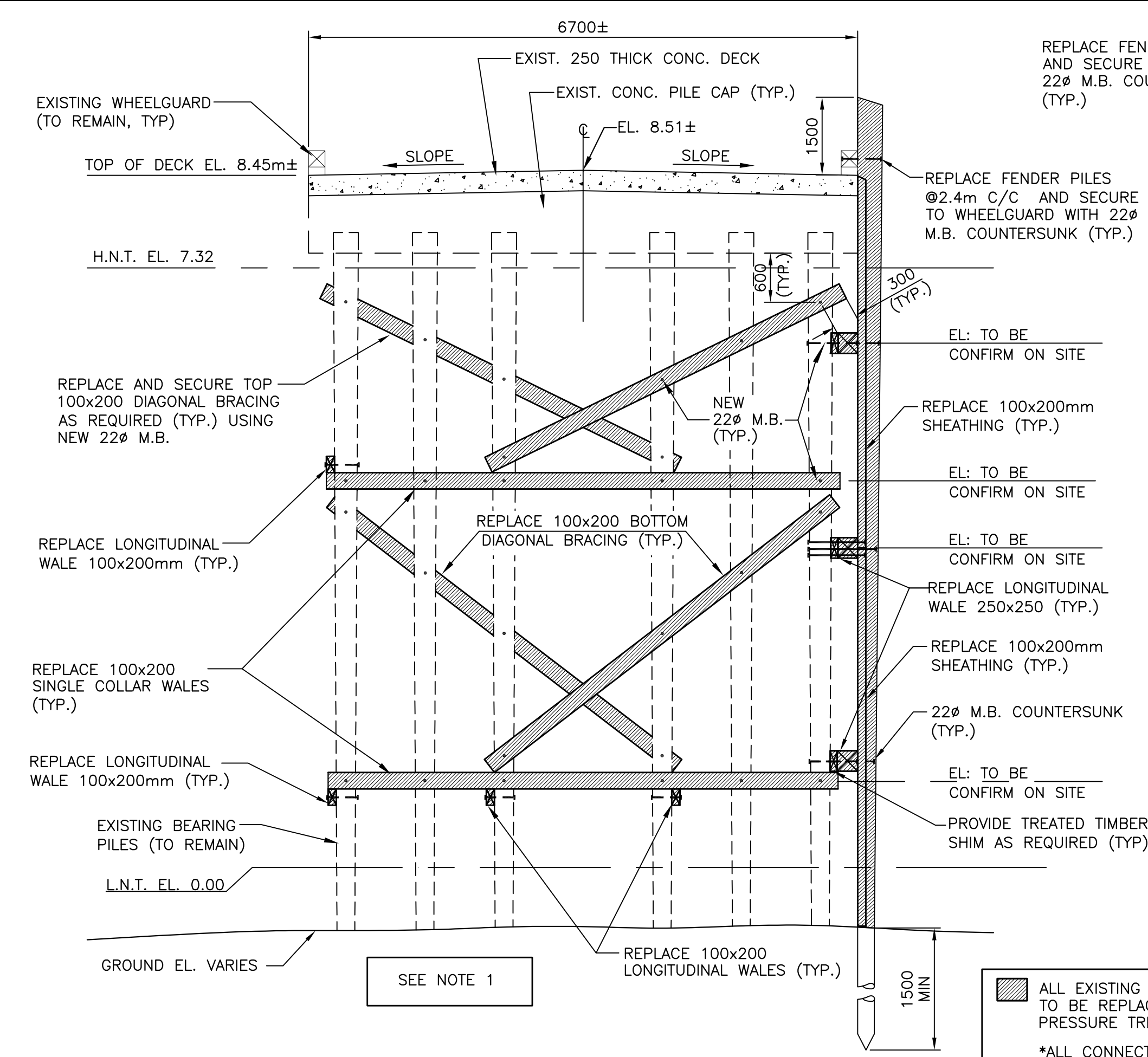
0	ISSUED FOR TENDER	7 APR 2022
revisions		date

CROSS-BRACING REPAIRS & SHORE PROTECTION UPGRADE

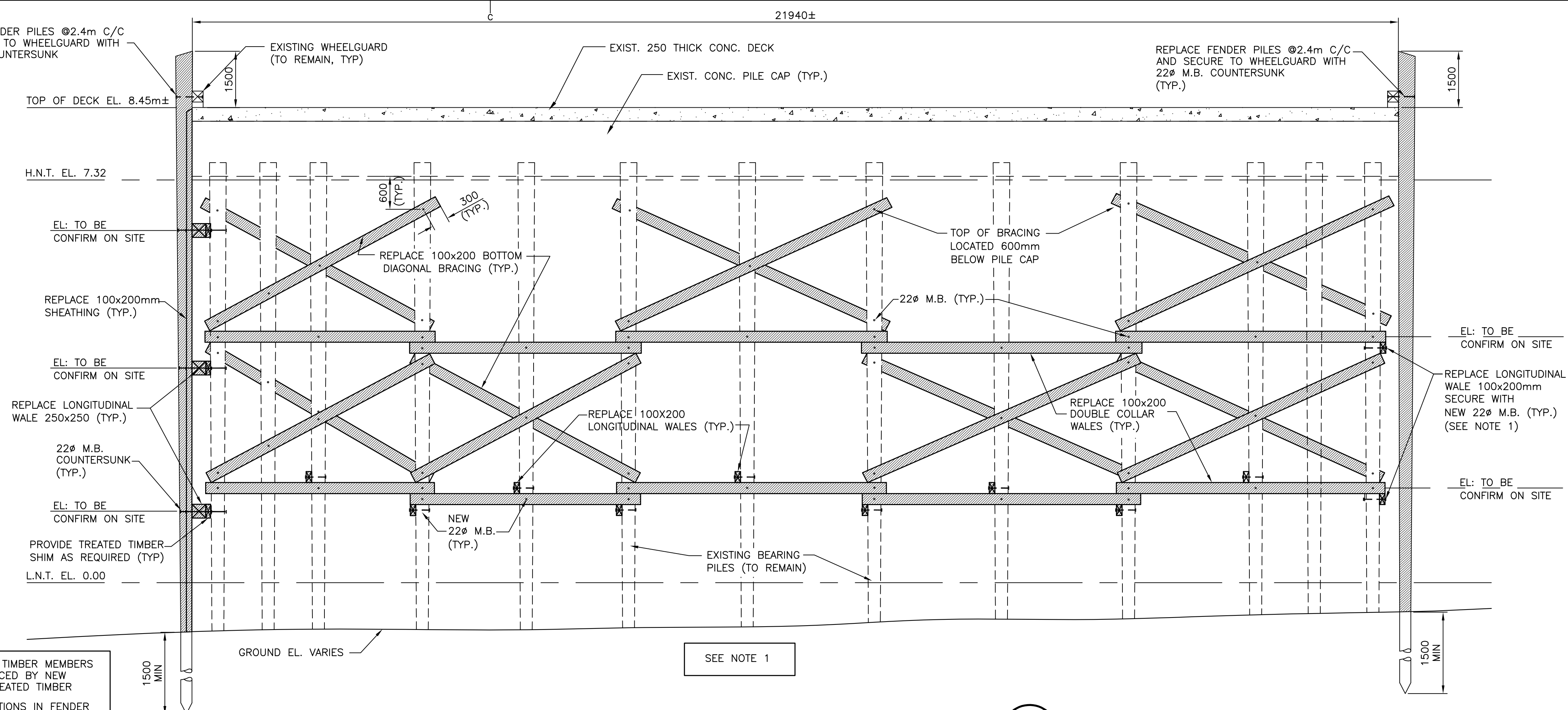
FAIRHAVEN, NB
 DEER ISLAND

PLAN OF NEW WORK ELECTRICAL TRENCH DETAIL AND SECTION

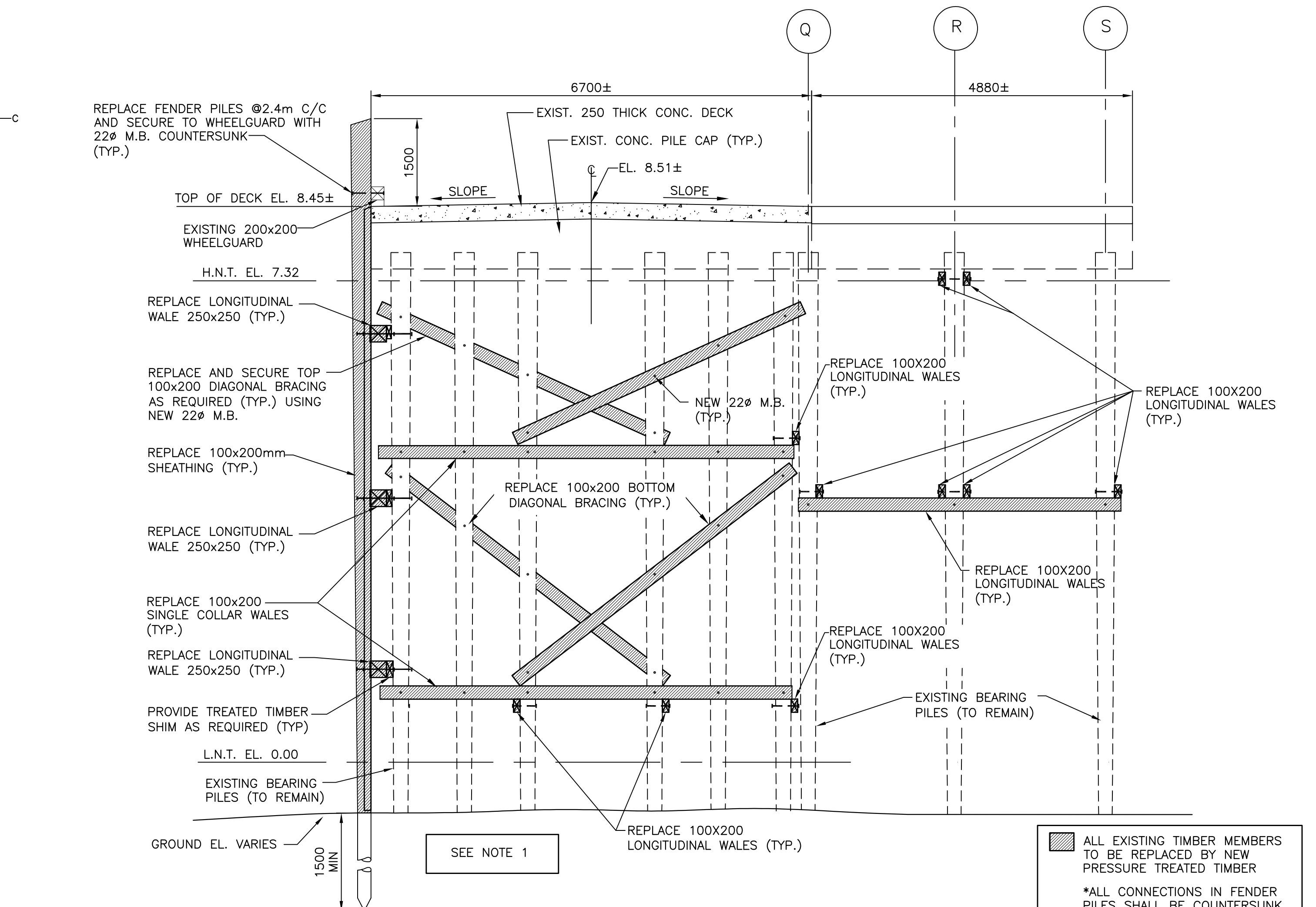
designed R. LOSIER	conçu
date APRIL 2022	
drawn L. RIOUX	dessiné
date APRIL 2022	
approved	approuvé
date	
Tender	Submission
Project Manager	Administrateur de projets
project number	no. du projet
C2-00327	
drawing no.	no. du dessin
M1 of/de M3	



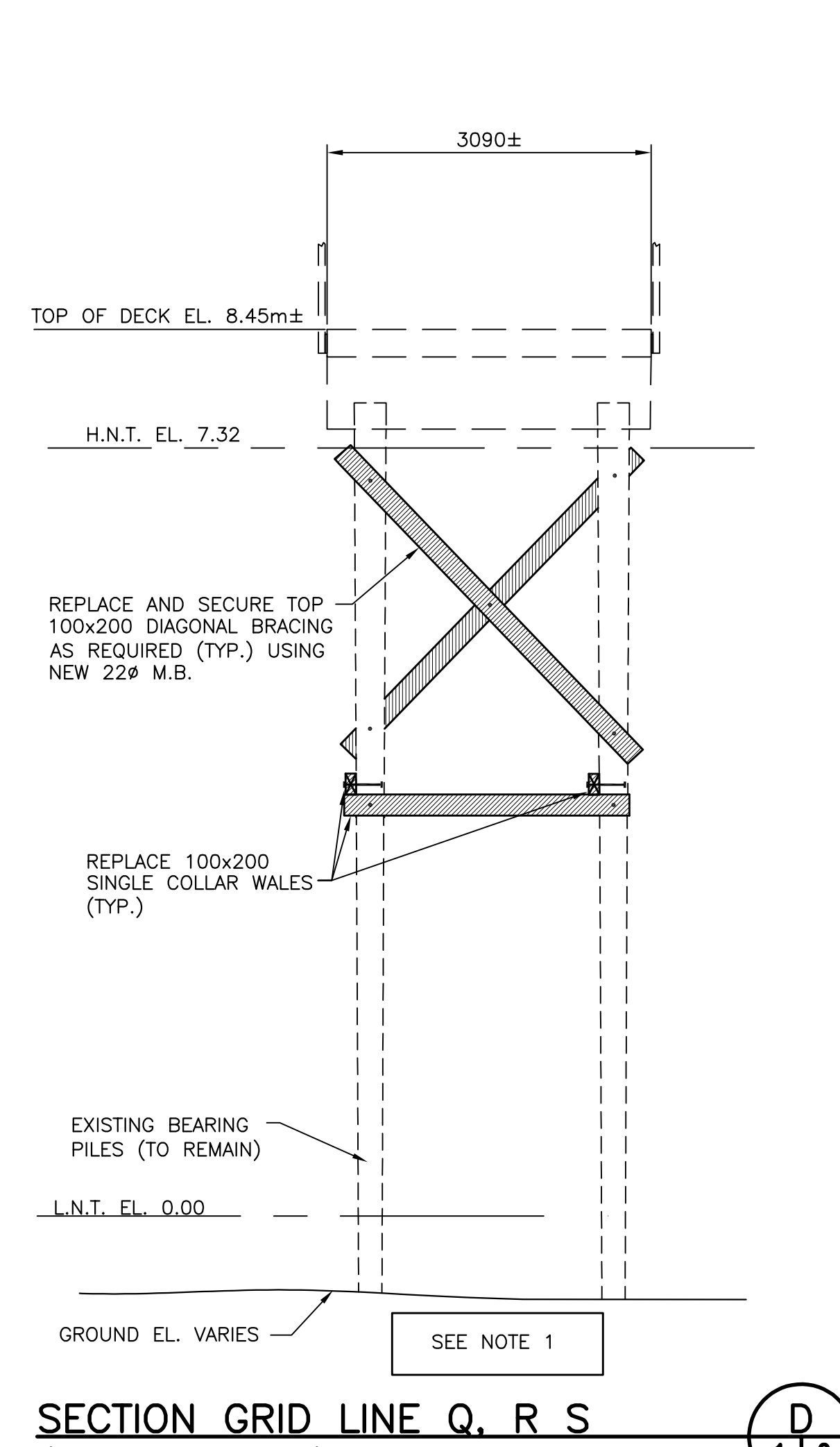
SECTION GRID LINE 2 to 17 (16 LOCATIONS) A
SCALE : 1:50



SECTION GRID LINE A to K (11 LOCATIONS) B
SCALE : 1:50



SECTION GRID LINE 7 AND 8 (2 LOCATIONS) C
SCALE : 1:50



SECTION GRID LINE Q, R S (3 LOCATIONS) D
SCALE : 1:50

NOTES

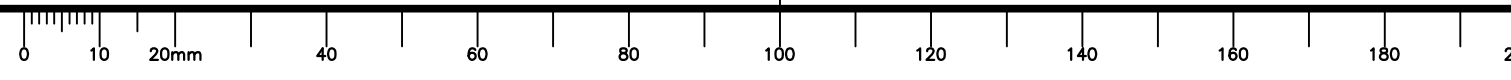
- CONTRACTOR TO REUSE EXISTING DRILLED THROUGH HOLES IN ALL LOCATION TO RECONNECT NEW HARDWARE.
- STRUCTURAL INTEGRITY OF THE INFRASTRUCTURE TO BE MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR.
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- FOR 602 ARMOURSTONE UPGRADE SEE DRAWING C1 of C1

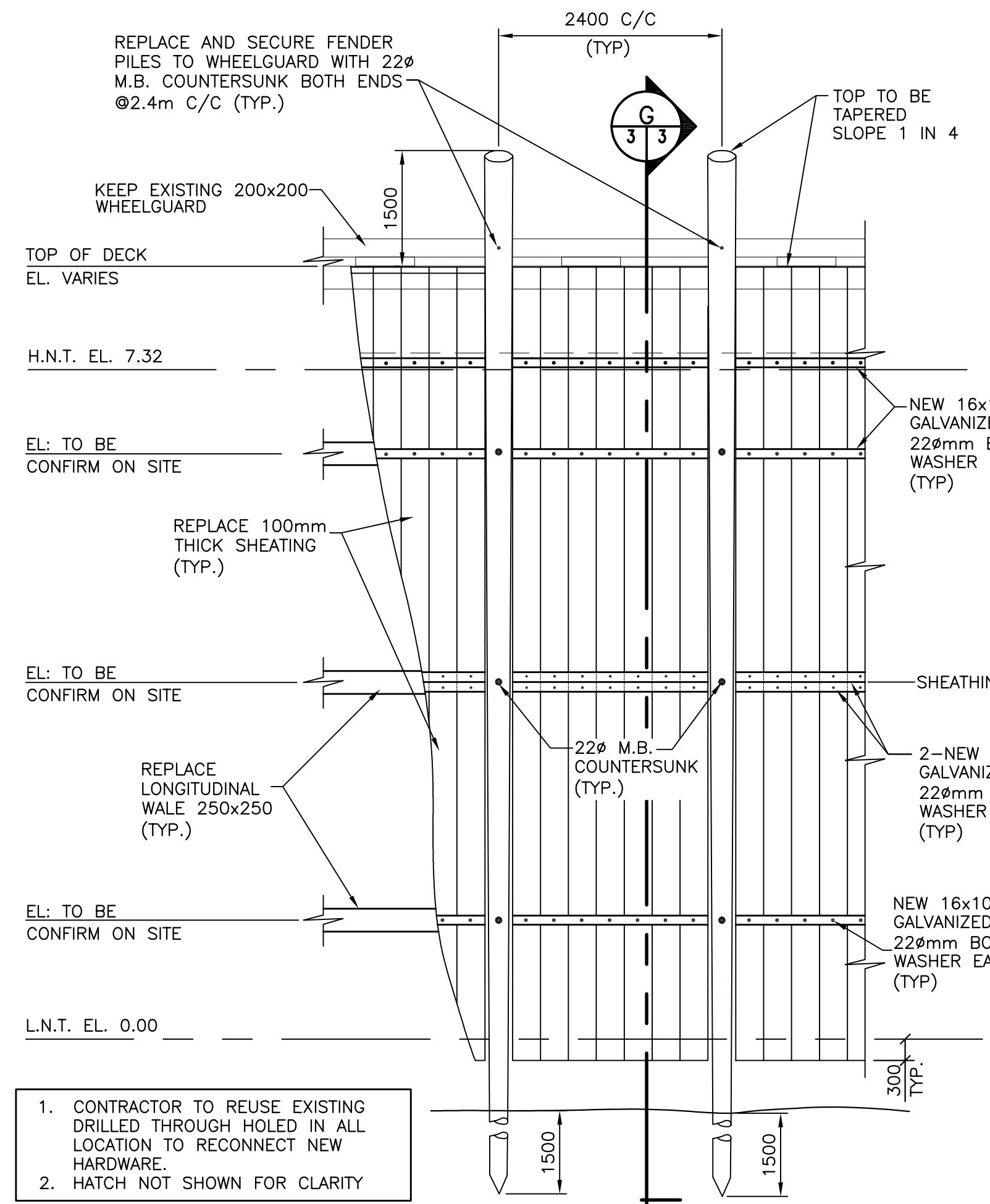
0	ISSUED FOR TENDER	7 APR 2022
revisions		date

project CROSS-BRACING REPAIRS & SHORE PROTECTION UPGRADE
dessin
project FAIRHAVEN, NB DEER ISLAND
dessin

TIMBER BRACES SECTIONS

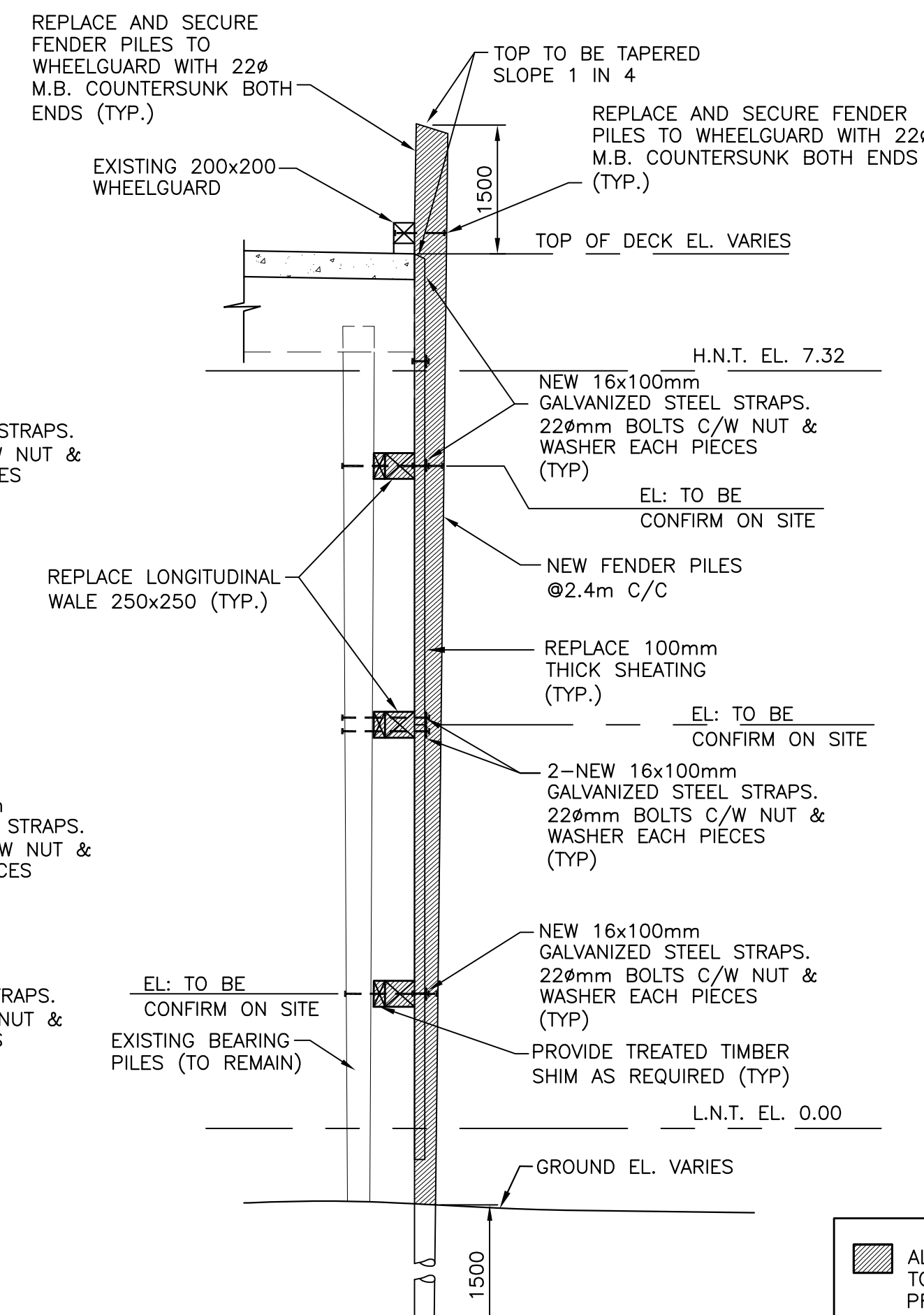
designed R. LOSIER	conçu
date APRIL 2022	
drawn L. RIOUX	dessiné
date APRIL 2022	
approved	approuvé
date	
Tender	Soumission
Project Manager	Administrateur de projets
project number	no. du projet
	C2-00327
drawing no.	no. du dessin
	M2 of/de M3



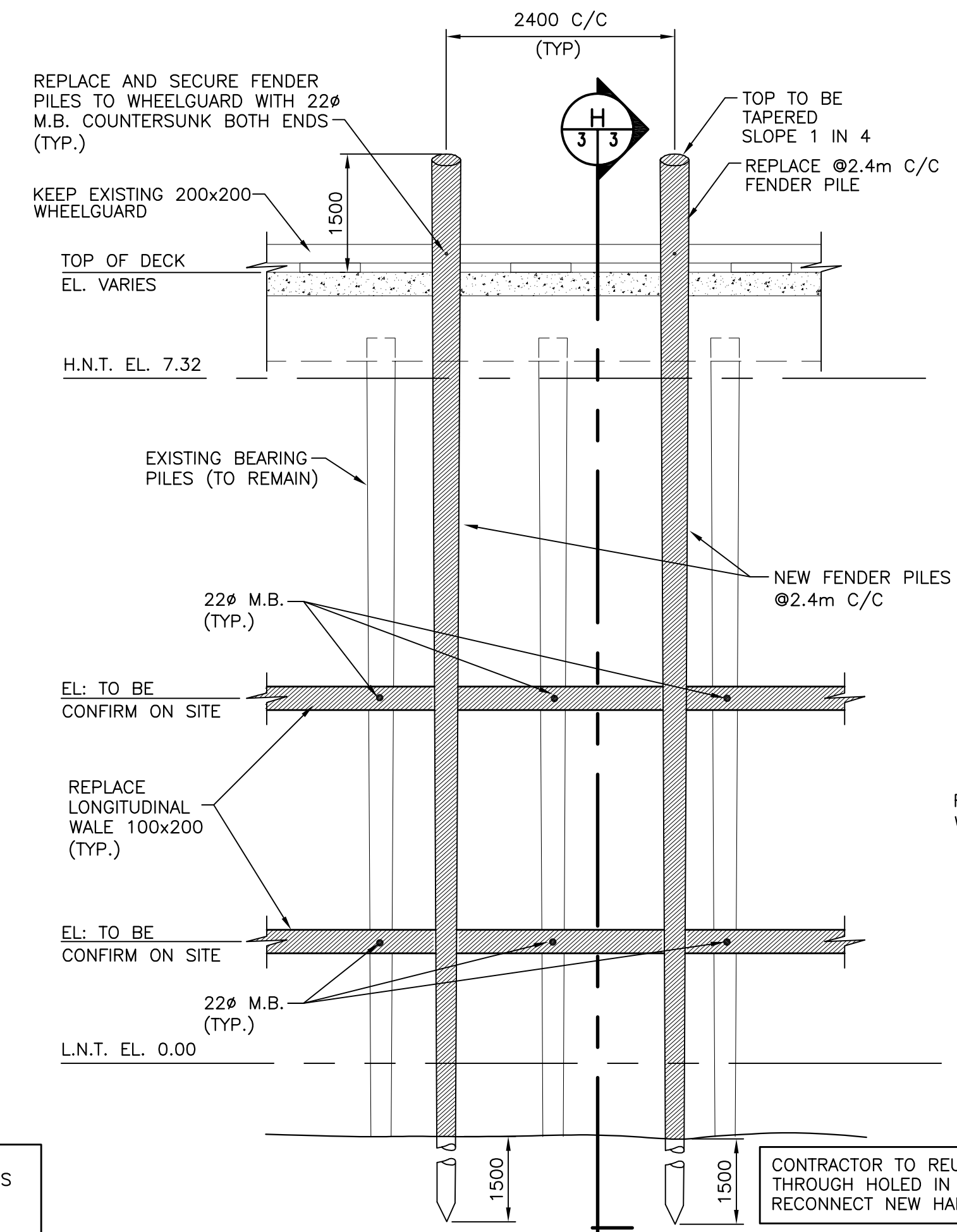


SHEATHING AND FENDER PILE DETAIL D2
FROM GRID LINES "5/A" TO "28/K" 1/3

SCALE : 1:50

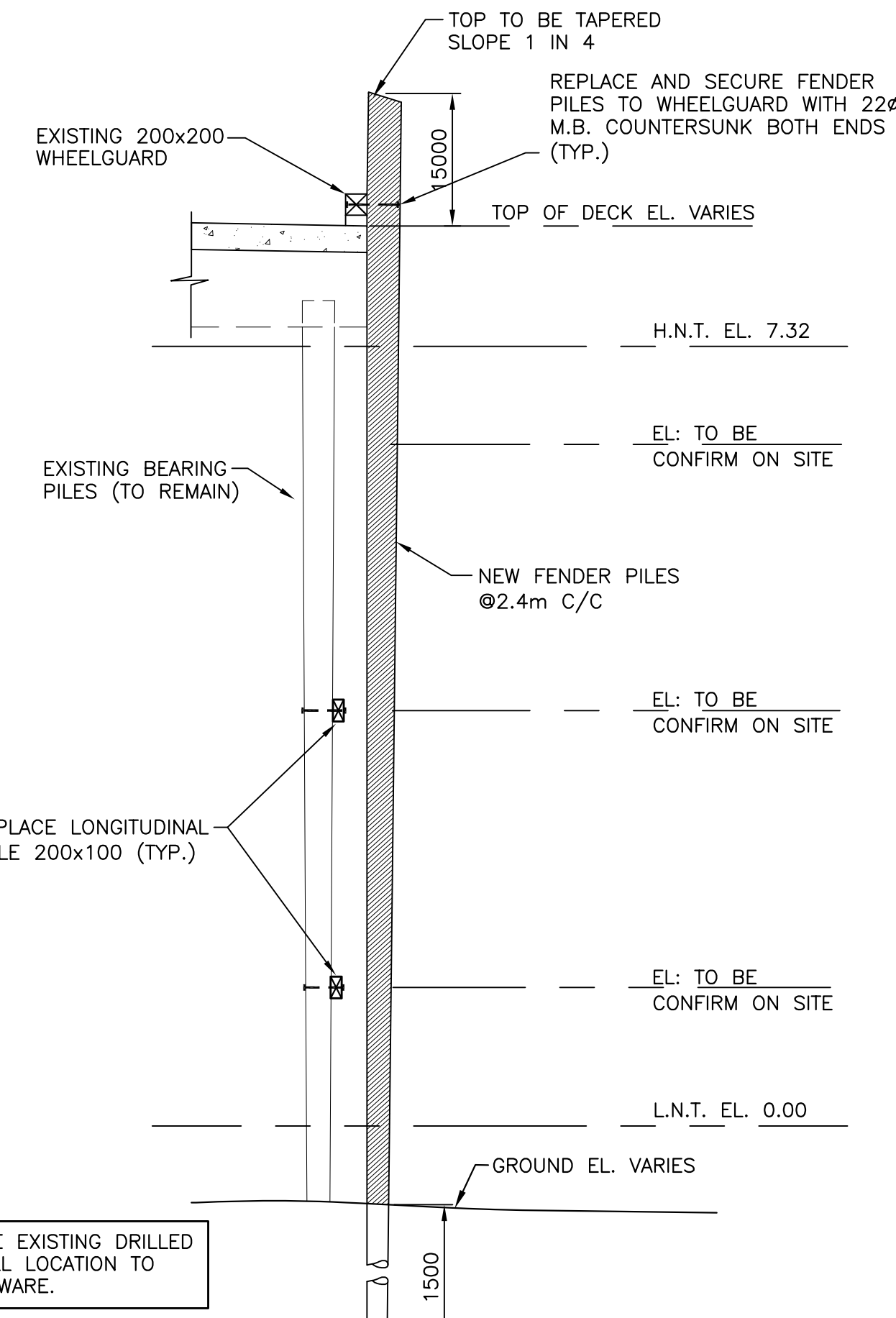


SECTION G 3/3

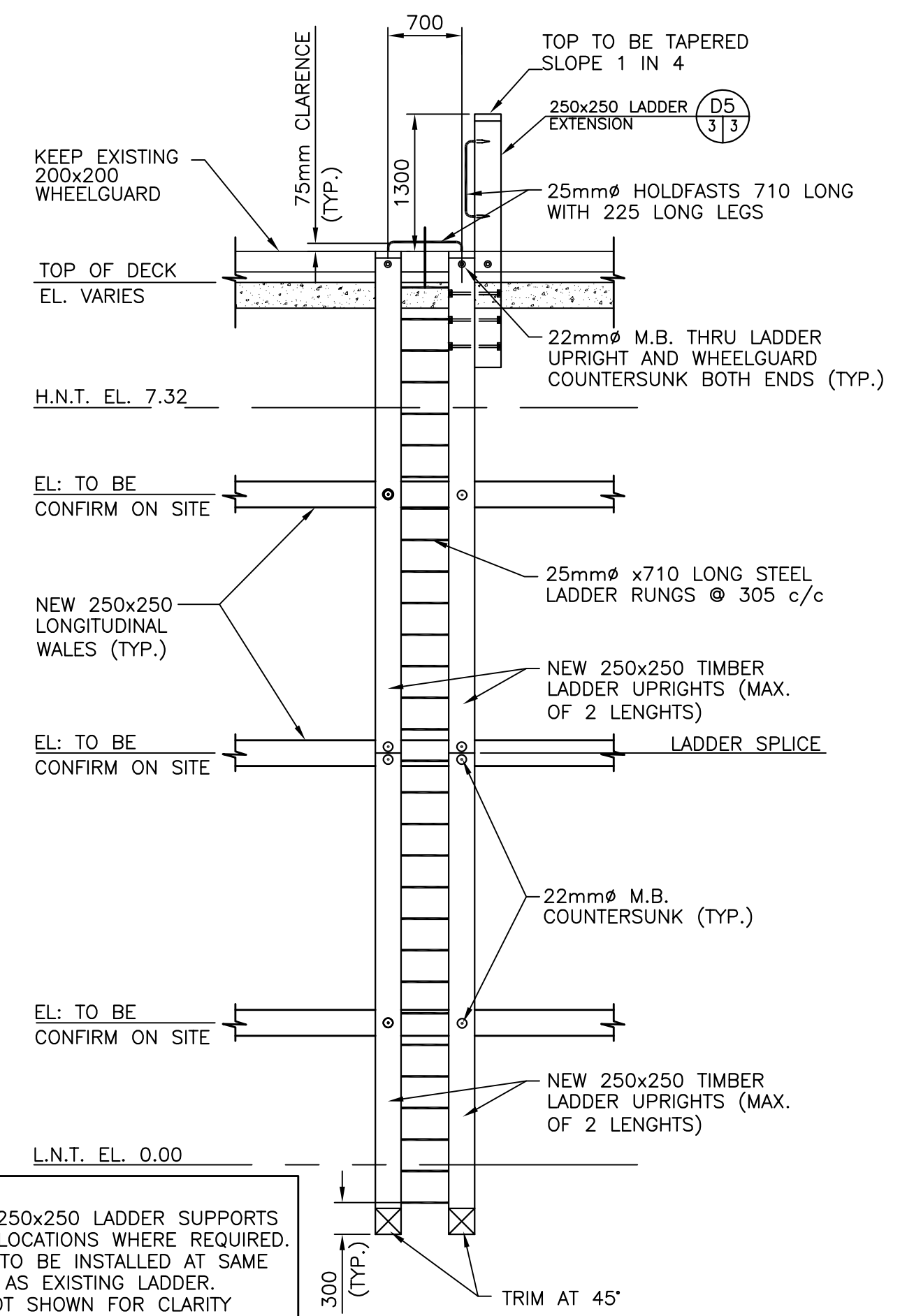


FENDER PILE DETAIL ON GRID LINES "18" AND "K" ONLY D3
1/3

SCALE : 1:50

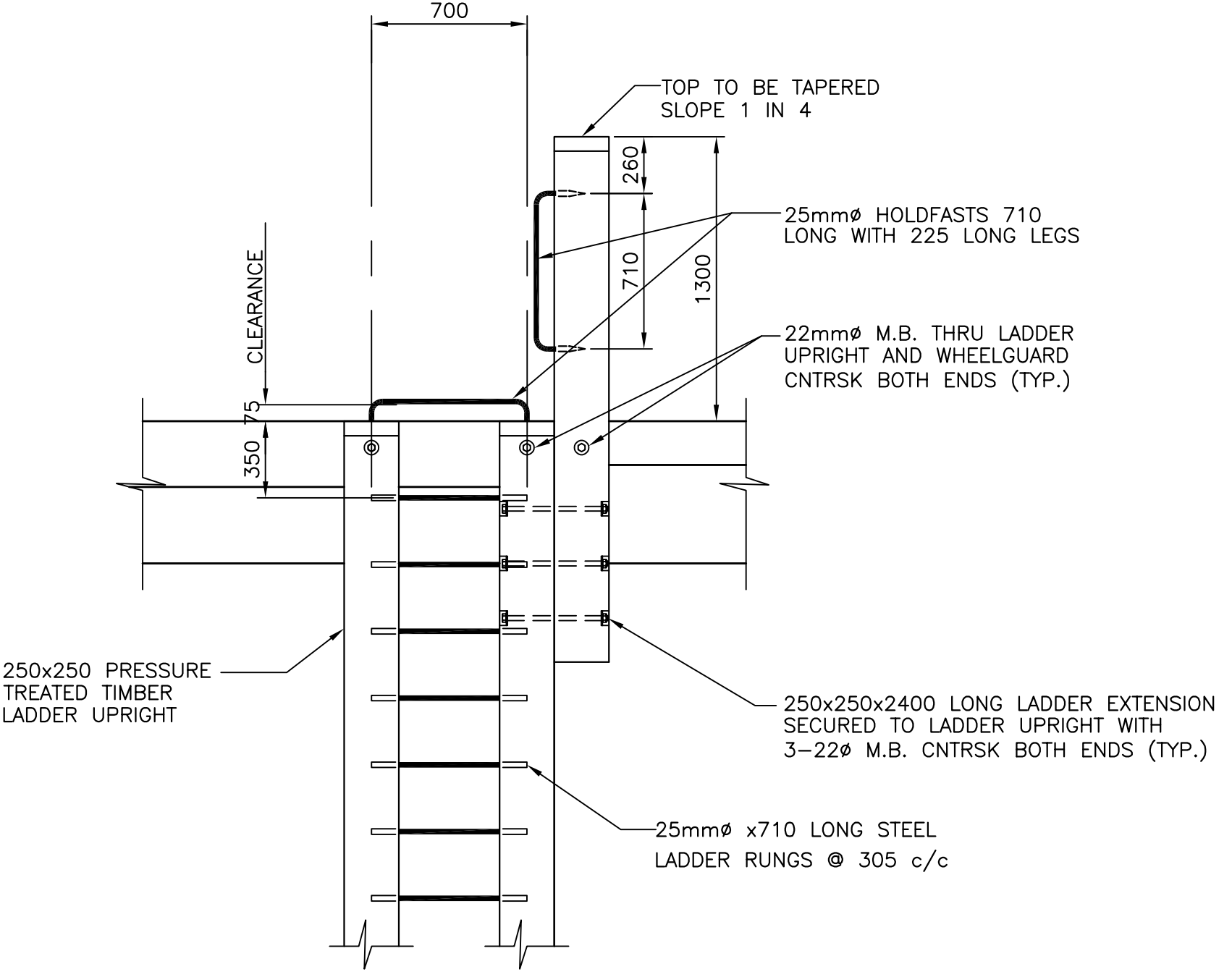


SECTION H 3/3



TYPICAL LADDER DETAIL D4
1/3

SCALE : 1:50



LADDER EXTENSION DETAIL D5
3/3

SCALE: 1:25

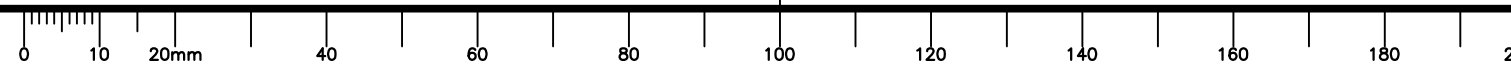
0	ISSUED FOR TENDER	7 APR 2022
revisions		date

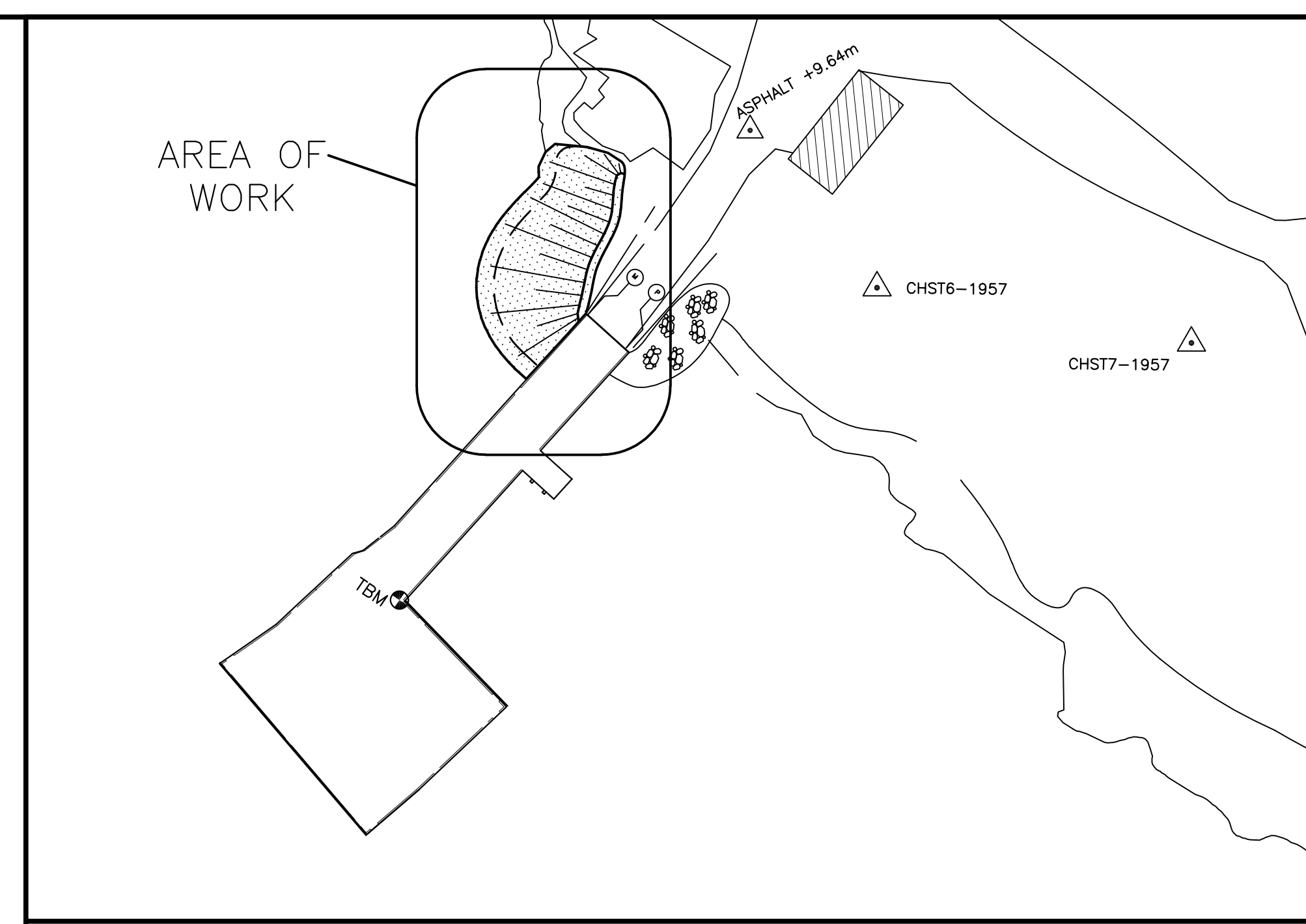
project CROSS-BRACING REPAIRS & SHORE PROTECTION UPGRADE

FAIRHAVEN, NB
DEER ISLAND

LADDERS AND SHEATHING SECTIONS AND DETAILS

designed	R. LOSIER	conçu
date	APRIL 2022	
drawn	L. RIOUX	dessiné
date	APRIL 2022	
approved		approuvé
date		
Tender	<i>R. Losier</i>	Soumission
Project Manager	Administrateur de projets	
project number		no. du projet
	C2-00327	
drawing no.		no. du dessin



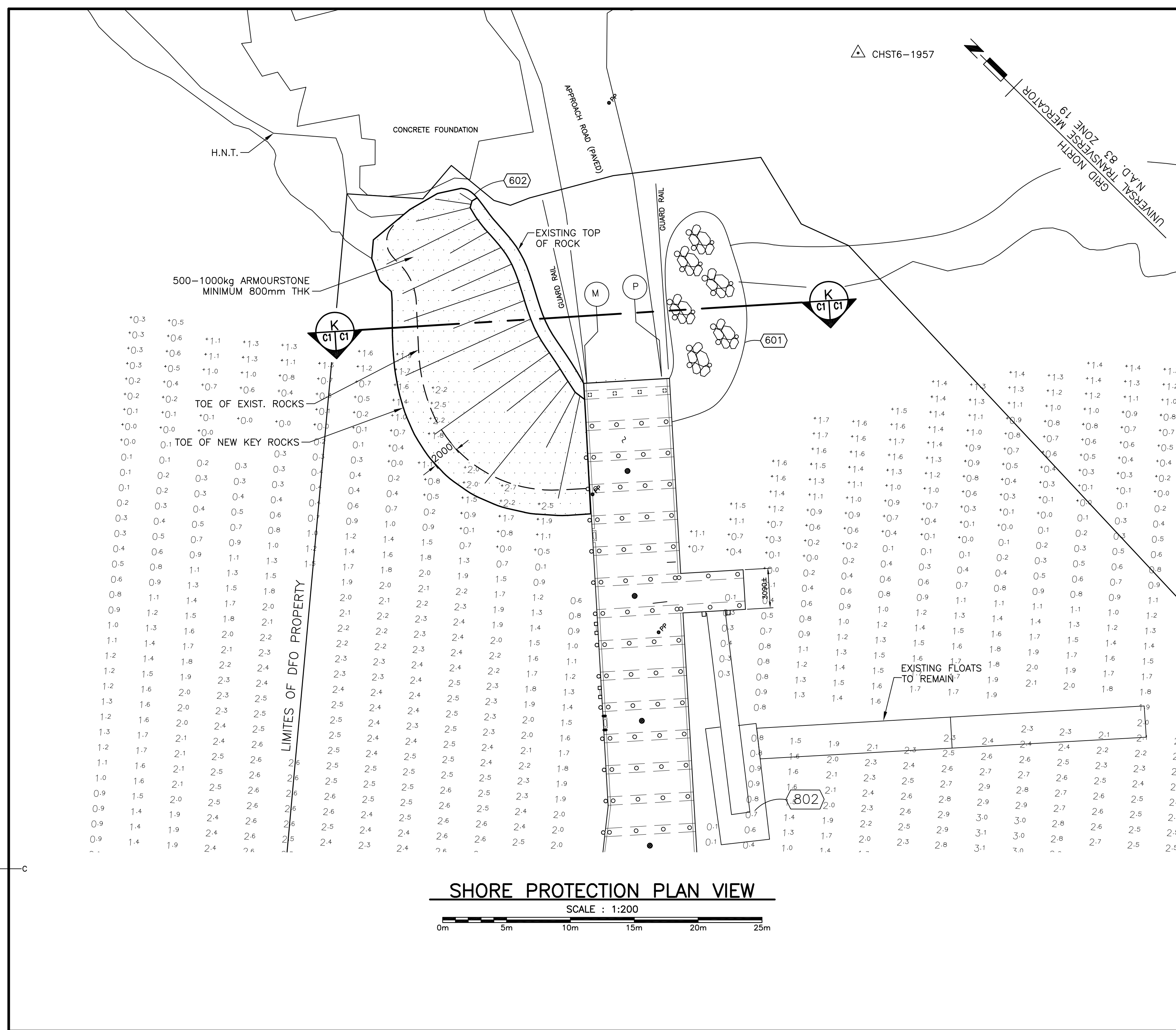


HARBOUR INSET AND CONTROL POINTS

SURVEY NOTES

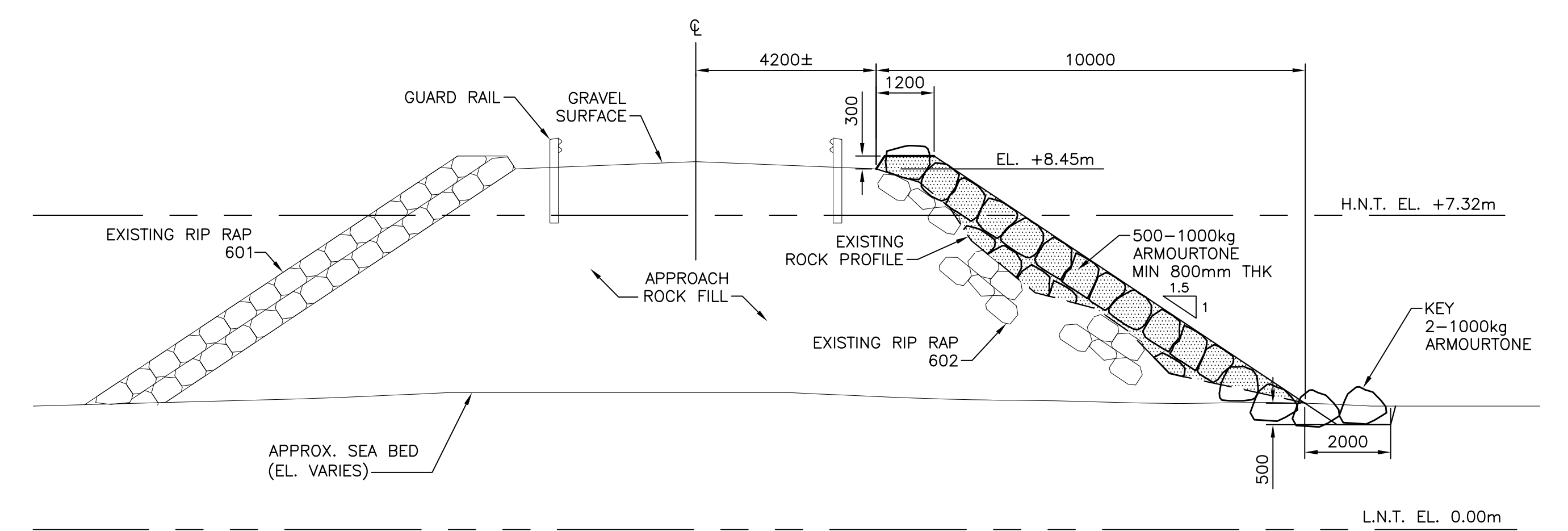
SURVEY PARTY CHIEF: E. VAN NULAND D. GREEN
 SURVEY VESSEL: RAMPART SURVEYOR
 SURVEY DATE(S): NOVEMBER 4, 2021 & MARCH 16, 2022
 SOUNDER TYPE: RESON T-20 MULTI-BEAM SYSTEM
 SOUNDER SETTING: N/A VEL. OF SOUND VARIOUS PROFILES
 DEPTH GATE USED: N/A FRE. OF TRANS. 200 KHz
 POSITIONING SYSTEM USED: APPLANIX POS MV
 LAND SURVEY POSITION BY: TRIMBLE R7 RTK
 RAW DATA FILE(S): FH075MX.ZIP
 CAD DRAWING FILE(S): FH075TP.DWG
 TIDAL REDUCTION SCHEME: REF. TO CHS T6-1957 CD ELEV. +12.938m
 REF. TO CHS T7-1957 CD ELEV. +12.233m
 OFFICE PROCESSOR: T. BROTHERS & S. VAUTOUR
 DATE OF PROCESSING: JANUARY 15, 2022 & MARCH 17, 2022
 MODE OF PLOTTING: AVERAGE OF AVERAGE
 MATRIX CELL WIDTH X LENGTH: 1.2m x 3.0m
 CONTROL POINTS:
 PT. NAME EASTING NORTHING CD ELEV DESCRIPTION
 14297 659125.029 4976704.851 N/A LRIS CONTROL
 CHST6-1957 657143.147 4980824.946 +12.938 CHS MONUMENT
 CHST7-1957 657179.392 4980918.512 +12.233 NOT FOUND NOVEMBER 4, 2021
 ASPHALT 657128.495 4980943.110 +9.64 PWGSC (NAIL IN ASPHALT)
 TBM 657128.495 4980943.110 +8.50 TOP OF DECK

NOTE: LINWORK TAKEN FROM 2006 PLAN WITH EXCEPTION OF THE FLOATING WHARF AND GANGWAY.



SHORE PROTECTION PLAN VIEW

SCALE: 1:200
 0m 5m 10m 15m 20m 25m



SHORE PROTECTION SECTION

SCALE: 1:100
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

0	ISSUED FOR TENDER	7 APR 2022
revisions		date

project CROSS-BRACING REPAIRS & SHORE PROTECTION UPGRADE project
 FAIRHAVEN, NB DEER ISLAND
 drawing dessein

SHORE PROTECTION INSTALLATION, PLAN AND SECTION

designed R. LOSIER	conçu
date APRIL 2022	
drawn L. RIOUX	dessiné
date APRIL 2022	
approved	approuvé

date
 Tender *R. Losier* Soumission
 Project Manager Administrateur de projets
 project number no. du projet

C2-00328

drawing no. no. du dessin
 C1 of/de C1