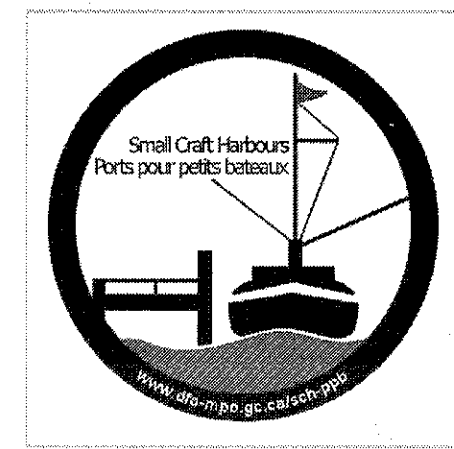




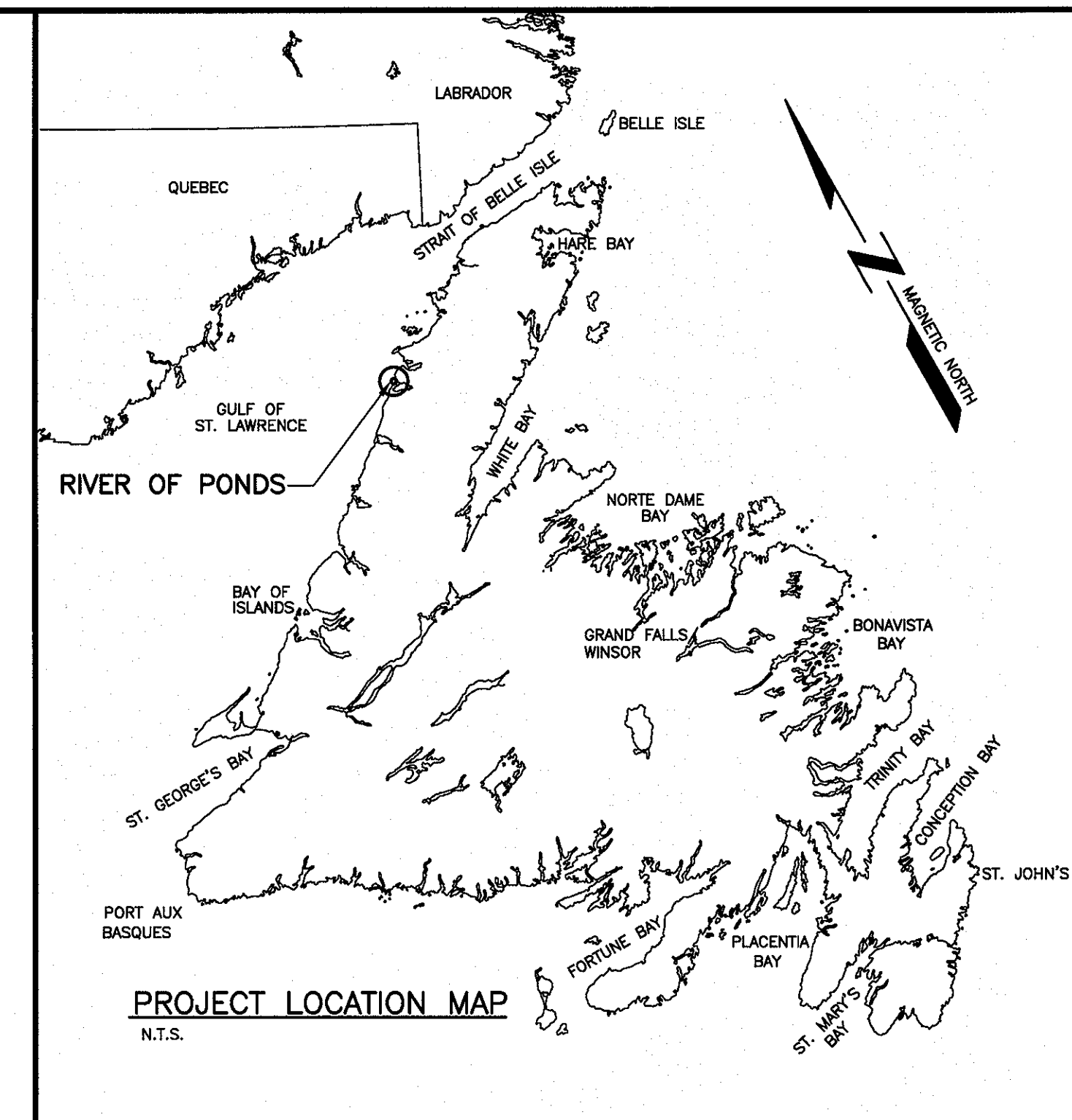
Fisheries and Oceans
Canada

Pêches et Océans
Canada



Small Craft Harbours
Newfoundland Region
St. John's, NL.

Ports Pour Petits Bateaux



PROJECT: SLIPWAY RECONSTRUCTION

RIVER OF PONDS, NL

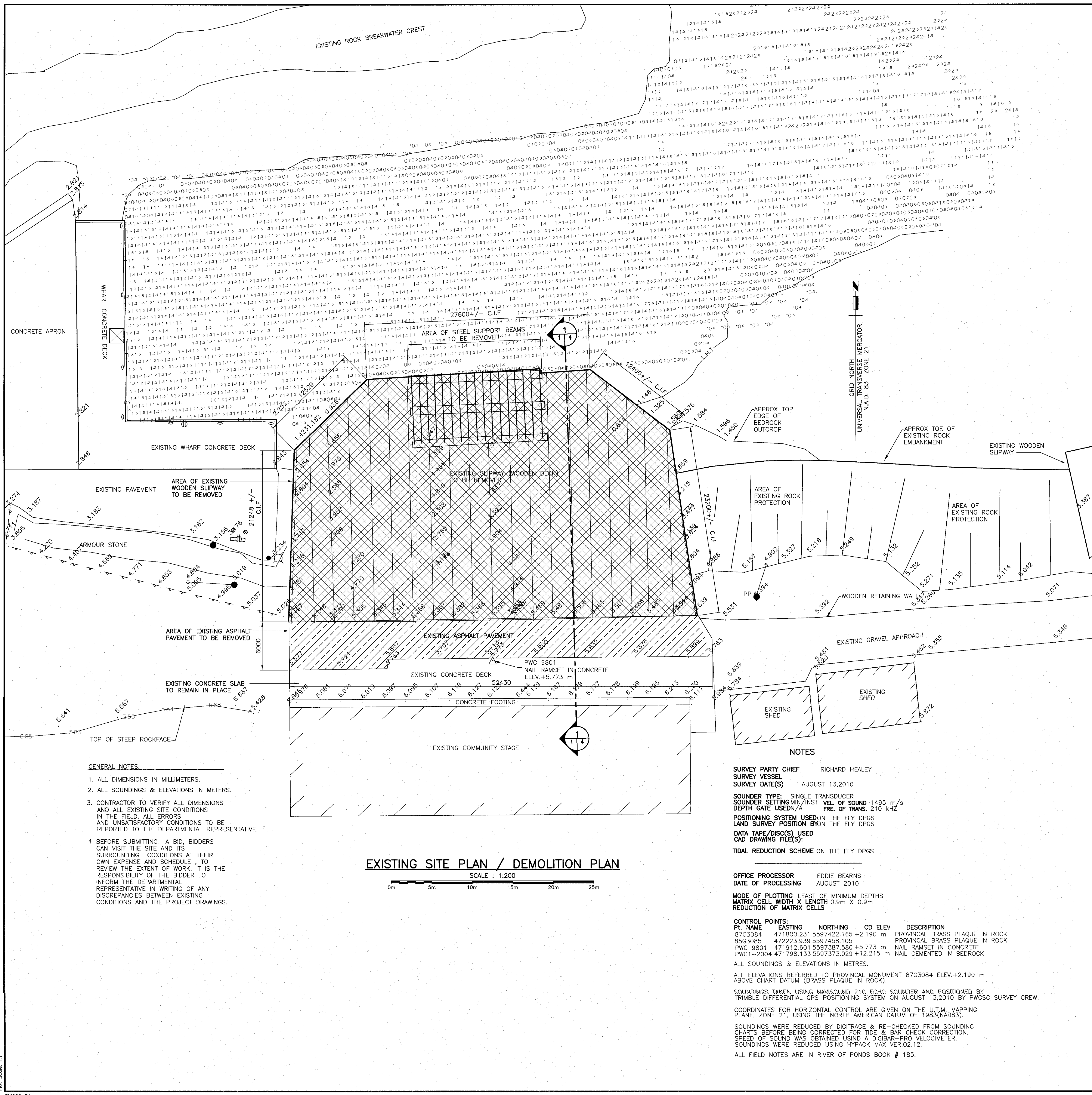
LONG RANGE MOUNTAINS, NEWFOUNDLAND AND LABRADOR

PROJECT NO: 722303

DRAWING LIST

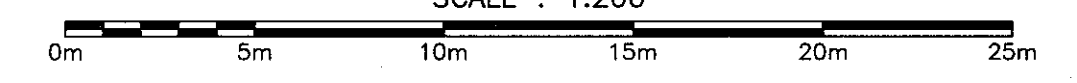
DRAWING NO.	TITLE
1 OF 9	EXISTING SITE PLAN, DEMOLITION PLAN AND LEGEND
2 OF 9	NEW SITE PLAN
3 OF 9	NEW SLIPWAY AND BOAT LAUNCH WAY PLAN
4 OF 9	EXISTING SLIPWAY SECTION AND NEW SLIPWAY SECTION
5 OF 9	BOAT LAUNCH WAY SECTION
6 OF 9	CONCRETE LAUNCH WAY SECTIONS
7 OF 9	MISC. DETAILS
8 OF 9	MISC. DETAILS
9 OF 9	GUIDE RAIL DETAIL, CRIB SECTION AND PRECAST PANEL SECTION & DETAILS





- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETERS.
 2. ALL SOUNDINGS & ELEVATIONS IN METERS.
 3. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ALL EXISTING SITE CONDITIONS IN THE FIELD. ALL ERRORS AND UNSATISFACTORY CONDITIONS TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE.
 4. BEFORE SUBMITTING A BID, BIDDERS CAN VISIT THE SITE AND ITS SURROUNDING CONDITIONS AT THEIR OWN EXPENSE AND SCHEDULE. TO REVIEW THE EXTENT OF WORK, IT IS THE RESPONSIBILITY OF THE BIDDER TO INFORM THE DEPARTMENTAL REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE PROJECT DRAWINGS.

EXISTING SITE PLAN / DEMOLITION PLAN
SCALE : 1:200



LEGEND

- SYMBOLS**
- EXISTING LIFE RING
 - EXISTING HYDRO POLE
 - HORIZONTAL /VERTICAL CONTROL
 - EXISTING GRADE ELEVATION
 - EXISTING B1 CLEAT
 - EXISTING TYPE "A" CLEAT & BLOCK
 - EXISTING POLE WITH LIGHT FIXTURE
 - EXISTING ELECTRICAL PEDESTAL
 - EXISTING LADDER
 - EXISTING WATER CONNECTION
 - EXISTING JIB CRANE BASE
 - ACQUACULTURE
 - ANCHOR BLOCK
 - BOREHOLE
 - INVERT PIPE
 - EXISTING CATCH BASIN
 - VALVES
 - EXISTING HYDRANT
 - LIGHT STANDARD
 - EXISTING MANHOLE
 - SEWER OUTFLOW PIPE
 - SIGN
 - TREE
- LINE TYPE**
- ARMOUR STONE
 - CL. RAILROAD
 - DRAIN PIPE
 - EDGE ROAD / SHOULDER
 - FENCE LINE
 - GUARD RAIL
 - MARSH OUTLINE
 - PROPERTY BOUNDARY
 - RIPRAP
 - TOE OF BANK
 - TREE LINE
 - UNDERGROUND CABLE
- 2.856 INDICATED EXISTING GROUND ELEVATIONS
C.I.F. CONFIRM IN FIELD
L.N.T. LOW NORMAL TIDE
- INDICATES AREA OF EXISTING WOODEN SLIPWAY TO BE REMOVED. (INCLUDING BOTH WOOD AND STEEL SUPPORTS)
 - INDICATES AREA OF EXISTING ASPHALT TO BE REMOVED

NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL
SURVEY DATE(S) AUGUST 13,2010
SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST VEL OF SOUND 1495 m/s
DEPTH GATE USED N/A FREQ. OF TRANS. 210 kHz
POSITIONING SYSTEM USED ON THE FLY DPGS
LAND SURVEY POSITION BY ON THE FLY DPGS
DATA TAPE/DISC(S) USED
CAD DRAWING FILE(S):
TIDAL REDUCTION SCHEME ON THE FLY DPGS

OFFICE PROCESSOR EDDIE BEARNS
DATE OF PROCESSING AUGUST 2010

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH X LENGTH 0.9m X 0.9m
REDUCTION OF MATRIX CELLS

CONTROL POINTS:

PT. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
87C3084	471800.231	5597422.165	+2.190 m	PROVINCIAL BRASS PLAQUE IN ROCK
85C3085	472223.339	5597458.105		PROVINCIAL BRASS PLAQUE IN ROCK
PWC 9801	471912.601	5597387.580	+5.773 m	NAIL RAMSET IN CONCRETE
PWC1-2004	471798.133	5597373.029	+12.215 m	NAIL CEMENTED IN BEDROCK

ALL SOUNDINGS & ELEVATIONS IN METERS.
ALL ELEVATIONS REFERRED TO PROVINCIAL MONUMENT 87G3084 ELEV.+2.190 m ABOVE CHART DATUM (BRASS PLAQUE IN ROCK).

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON AUGUST 13,2010 BY PWSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1983(NAD83).

SOUNDINGS WERE REDUCED BY DIGITRACE & RE-CHECKED FROM SOUNDING CHARTS BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION. SPEED OF SOUND WAS OBTAINED USING A DIGIBAR-PRO VELOCIMETER. SOUNDINGS WERE REDUCED USING HYPACK MAX VER.02.12.

ALL FIELD NOTES ARE IN RIVER OF PONDS BOOK # 185.

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
ANDERSON ENGINEERING CONSULTANTS LTD.
To practice Professional Engineering in Newfoundland and Labrador, Permit No. 06 issued by APECA, 2009. Permit is valid for the year 2010.

W. J. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NEWFOUNDLAND

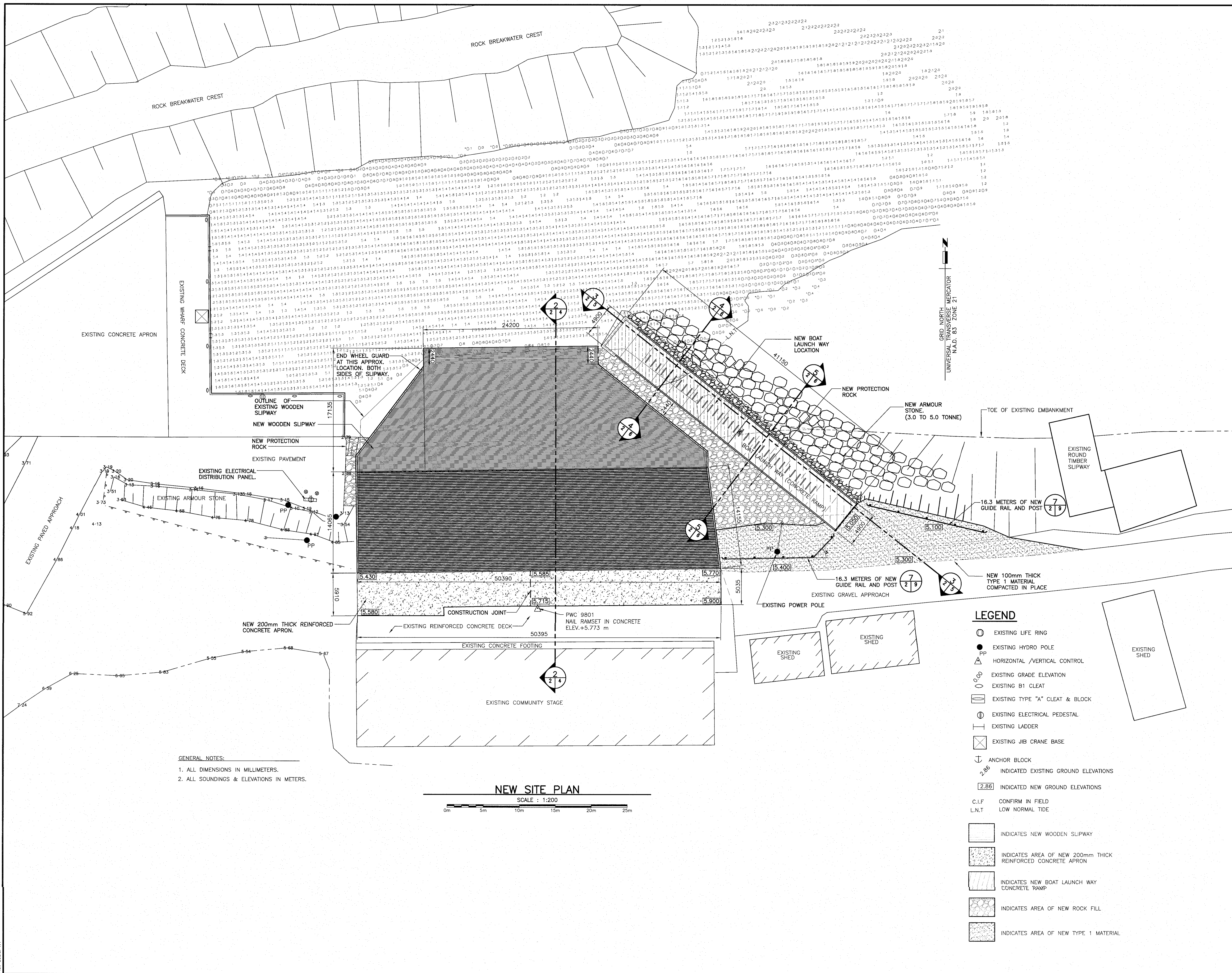
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revisions		date
project		project

SLIPWAY RECONSTRUCTION RIVER OF PONDS, NL

EXISTING SITE PLAN, DEMOLITION PLAN AND LEGEND

designed W.J.ANDERSON concu
date APRIL 2019
draw R.S.H. dessine
date APRIL 2019
approved
date
Tender Paul Penn Submission
DFO Project Manager
project number 722303
drawing no. 1 OF 9

ECM Document No. Not in System



GENERAL NOTES:
 1. ALL DIMENSIONS IN MILLIMETERS.
 2. ALL SOUNDINGS & ELEVATIONS IN METERS.

NEW SITE PLAN
 SCALE : 1:200

- LEGEND**
- EXISTING LIFE RING
 - EXISTING HYDRO POLE
 - △ HORIZONTAL /VERTICAL CONTROL
 - EXISTING GRADE ELEVATION
 - EXISTING B1 CLEAT
 - EXISTING TYPE "A" CLEAT & BLOCK
 - EXISTING ELECTRICAL PEDESTAL
 - ⊥ EXISTING LADDER
 - ⊗ EXISTING JIB CRANE BASE
 - ⊥ ANCHOR BLOCK
 - INDICATED EXISTING GROUND ELEVATIONS
 - 2.86 INDICATED NEW GROUND ELEVATIONS
 - C.I.F CONFIRM IN FIELD
 - L.N.T LOW NORMAL TIDE
 - ▨ INDICATES NEW WOODEN SLIPWAY
 - ▨ INDICATES AREA OF NEW 200mm THICK REINFORCED CONCRETE APRON
 - ▨ INDICATES NEW BOAT LAUNCH WAY CONCRETE RAMP
 - ▨ INDICATES AREA OF NEW ROCK FILL
 - ▨ INDICATES AREA OF NEW TYPE 1 MATERIAL

Fisheries and Oceans Canada **Pêches et Océans Canada**

SMALL CRAFT HARBOURS

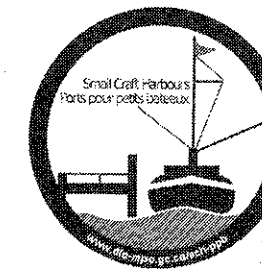
PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
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 American Engineering Consultants Ltd.
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 in Newfoundland and Labrador.
 Permit No. 66 issued by APECO #0092,
 which is valid for the year 2018.

0	ISSUED FOR TENDER	05/04/19
revisions		date
project		project

SLIPWAY RECONSTRUCTION RIVER OF PONDS, NL

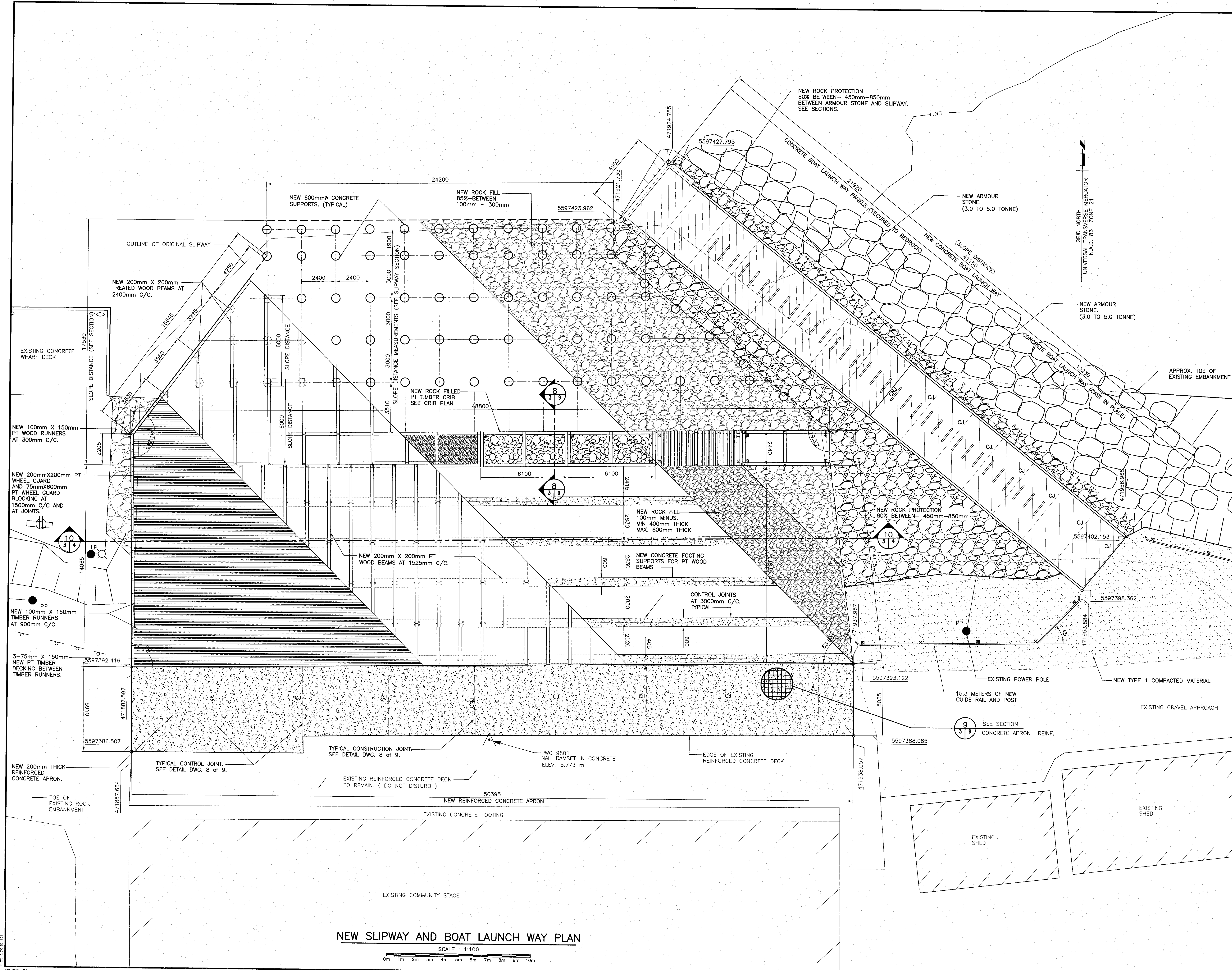
designed	W.J.ANDERSON	concu
date	APRIL 2019	
drawn	R.S.H	essine
date	APRIL 2019	
approved		approve
date		
Tender	<i>Paul Curran</i>	Submission
DFG Project Manager		
project number	722303	no. du projet
drawing no.	2 OF 9	no. du dessin

Plot Scale: 1:1
 PWSC 81



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 which is valid for the year... 2019...

REGISTERED PROFESSIONAL ENGINEER
 W. J. ANDERSON
 PROVINCE OF NEWFOUNDLAND



NEW SLIPWAY AND BOAT LAUNCH WAY PLAN

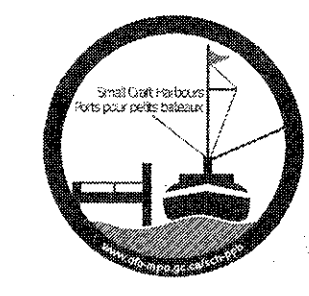
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0	ISSUED FOR TENDER	06/04/19
revisions		date
project		project

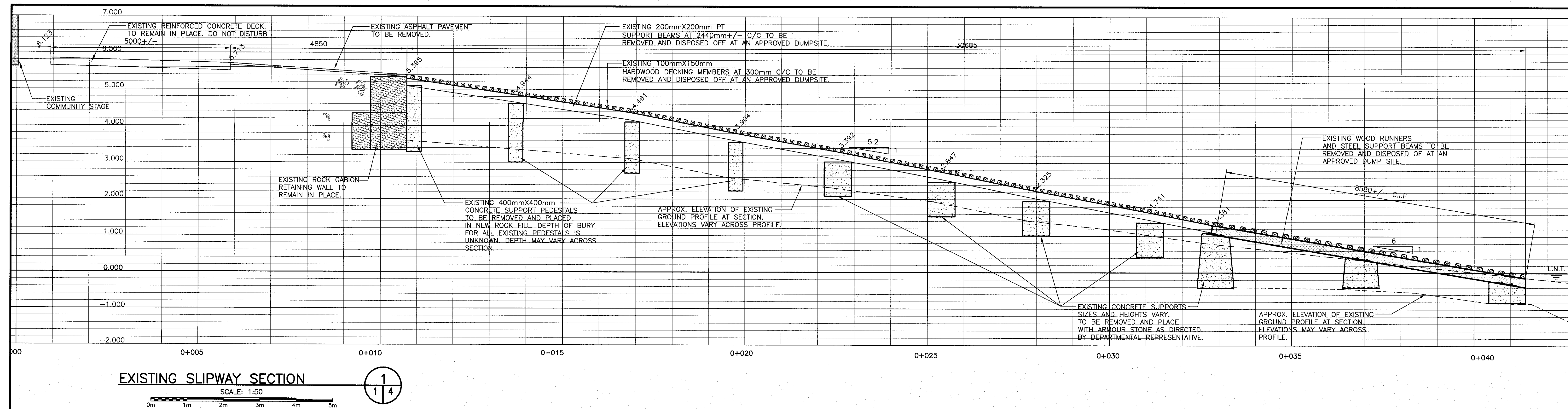
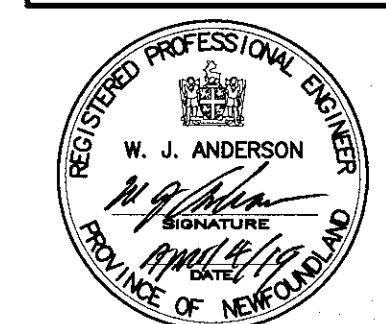
SLIPWAY RECONSTRUCTION RIVER OF PONDS, NL

designed	W.J. ANDERSON	concu
date	APRIL 2019	
drawn	R.S.H	dessine
date	APRIL 2019	
approved		approuve
date		
Tender	<i>Paul Curran</i>	Submission
3FD Project Manager		
project number	722303	no. du projet
drawing no.	3 OF 9	no. du dessin

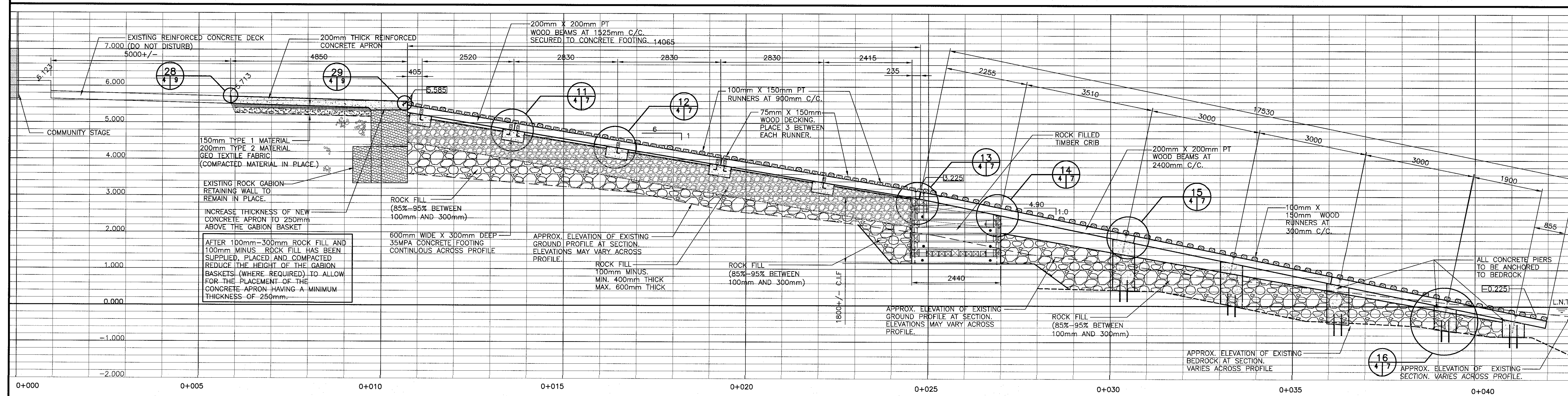
SMALL CRAFT HARBOURS



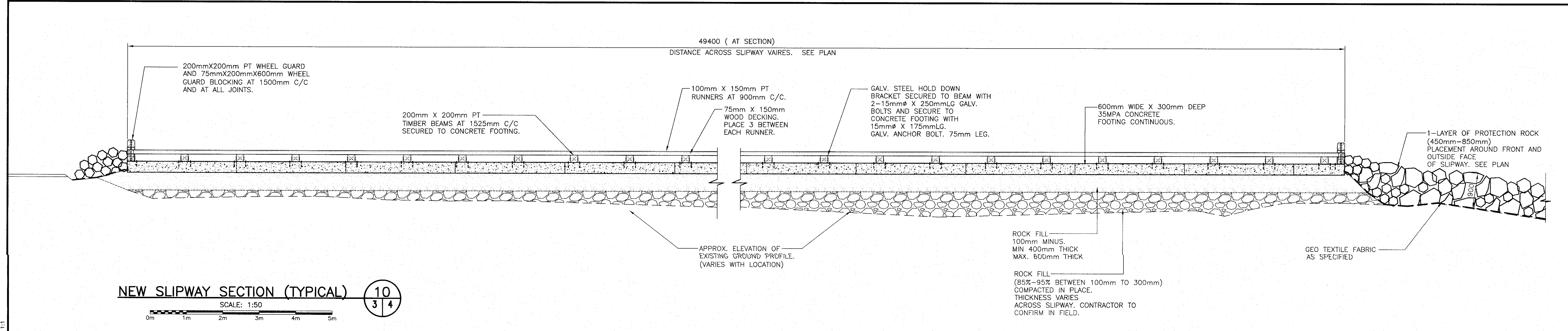
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EXISTING SLIPWAY SECTION
 SCALE: 1:50
 1/4



NEW SLIPWAY SECTION
 SCALE: 1:50
 2/4



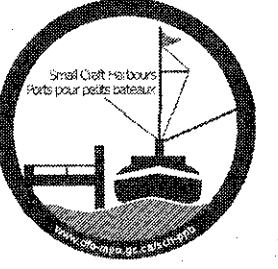
NEW SLIPWAY SECTION (TYPICAL)
 SCALE: 1:50
 3/4

0	ISSUED FOR TENDER	05/04/19
revisions		date
project		project

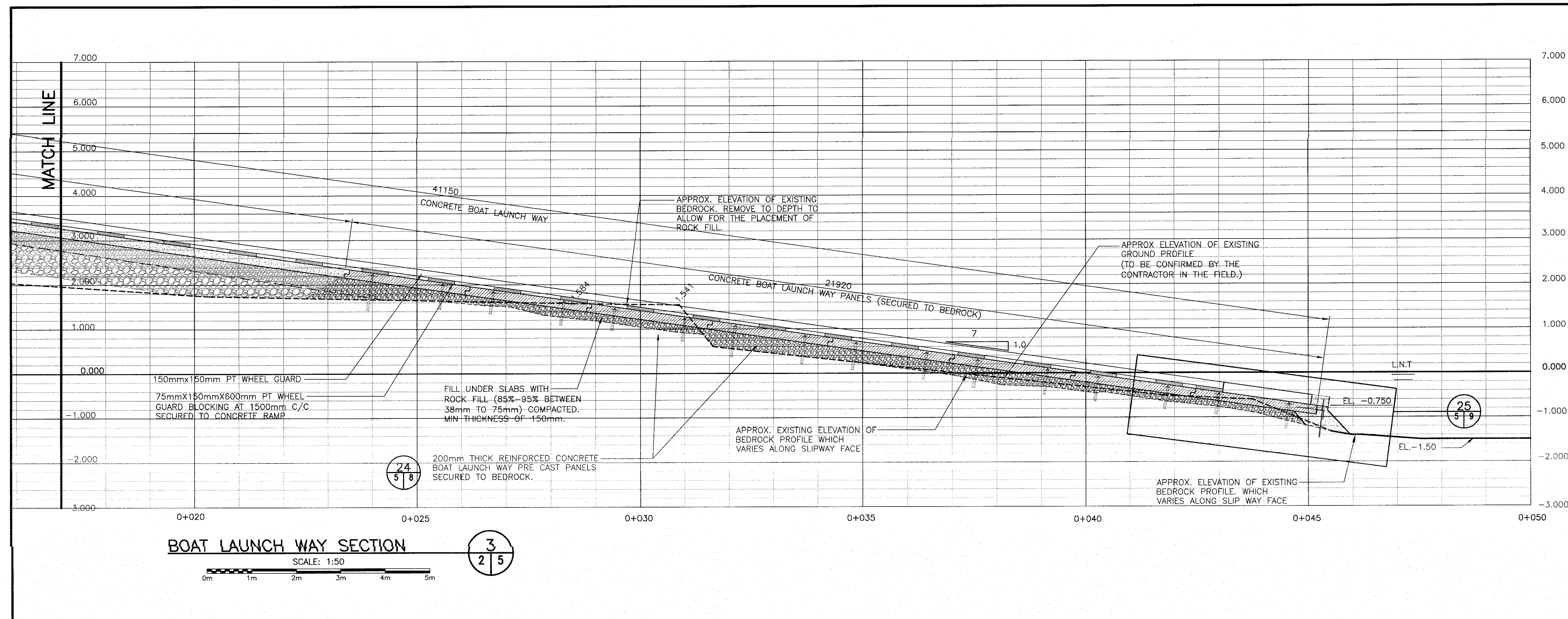
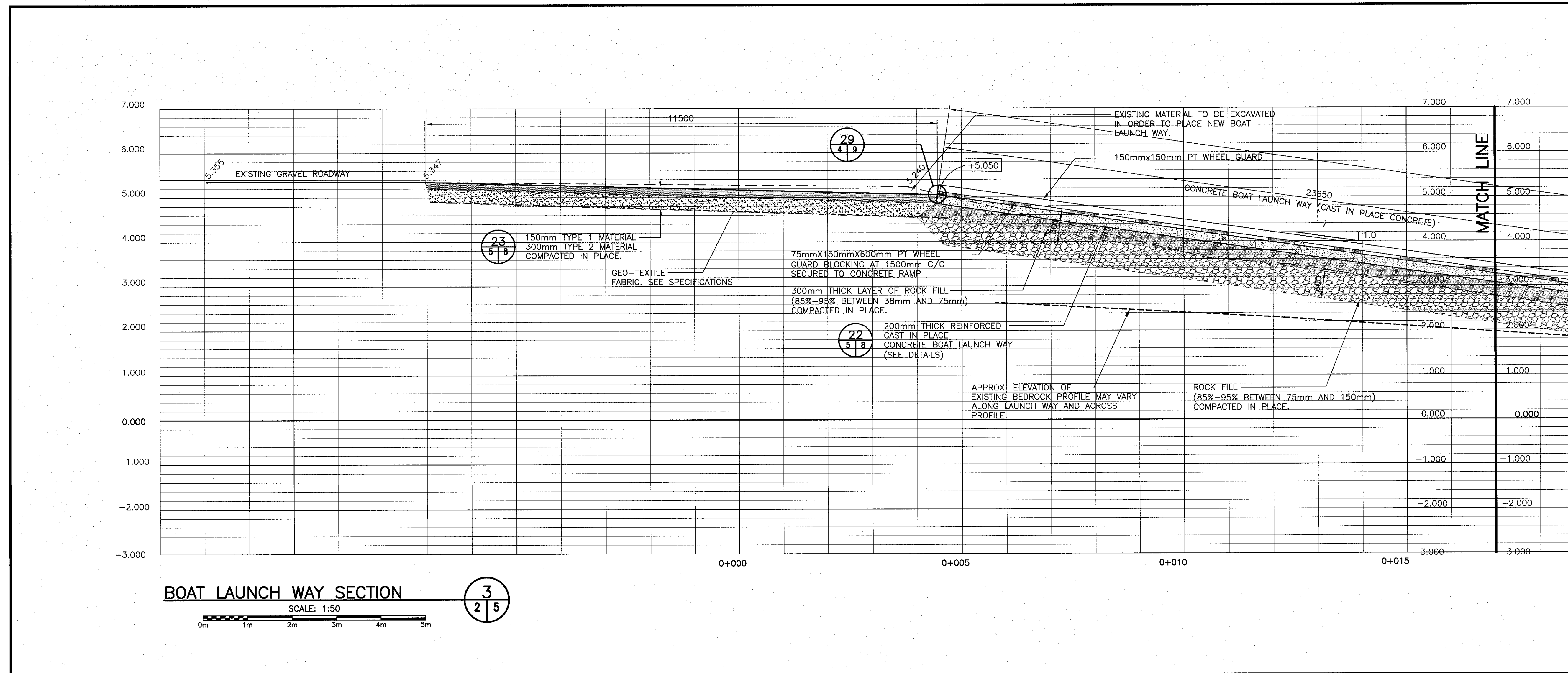
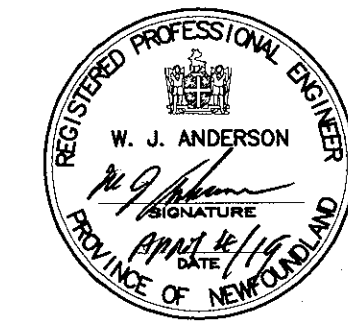
SLIPWAY RECONSTRUCTION RIVER OF PONDS, NL

EXISTING SLIPWAY SECTION AND NEW SLIPWAY SECTION

designed	W.J.ANDERSON	constr.
date	APRIL 2019	
drawn	R.S.H	designer
date	APRIL 2019	
approved		approver
date		
tender	Paul Curran	Submission
DFO Project Manager		
project number	722303	no. du projet
drawing no.	4 OF 9	no. du dessin



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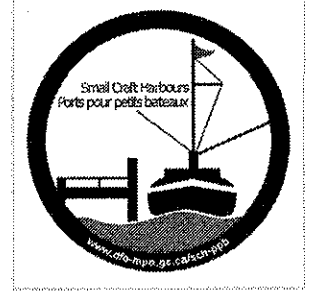
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revisions		date
project		project

**SLIPWAY
 RECONSTRUCTION
 RIVER OF PONDS, NL**

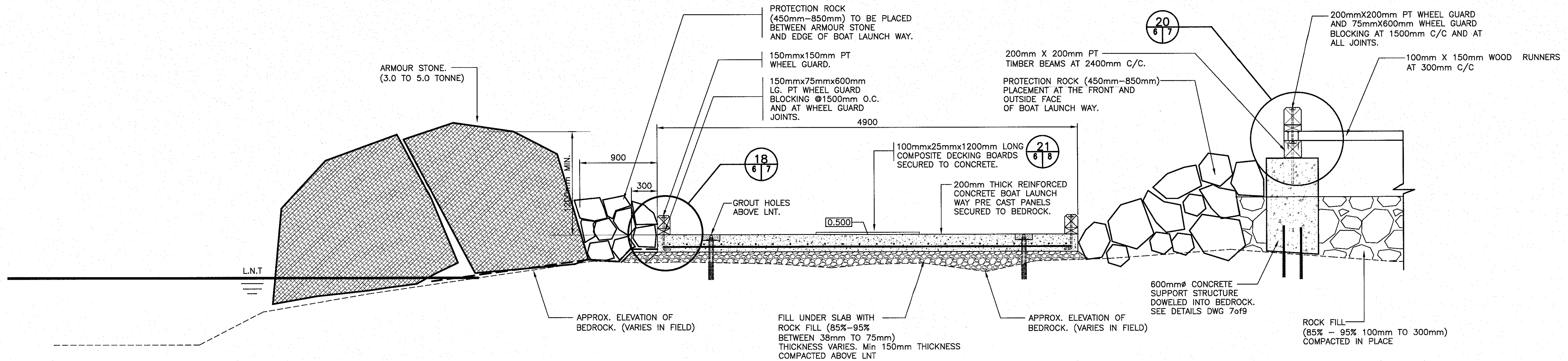
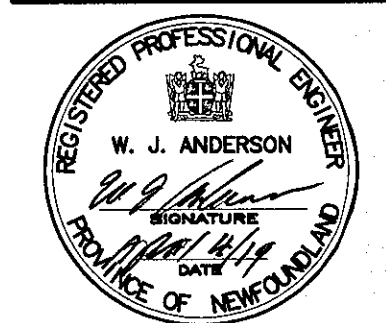
**BOAT LAUNCH WAY
 SECTION**

designed	W.J.ANDERSON	concur
date	APRIL 2019	
drawn	R.S.H	designe
date	APRIL 2019	
approved		approve
date		
Tender	<i>[Signature]</i>	Submission
DFO Project Manager		
project number	722303	no. du projet
drawing no.	5 OF 9	no. du dessin

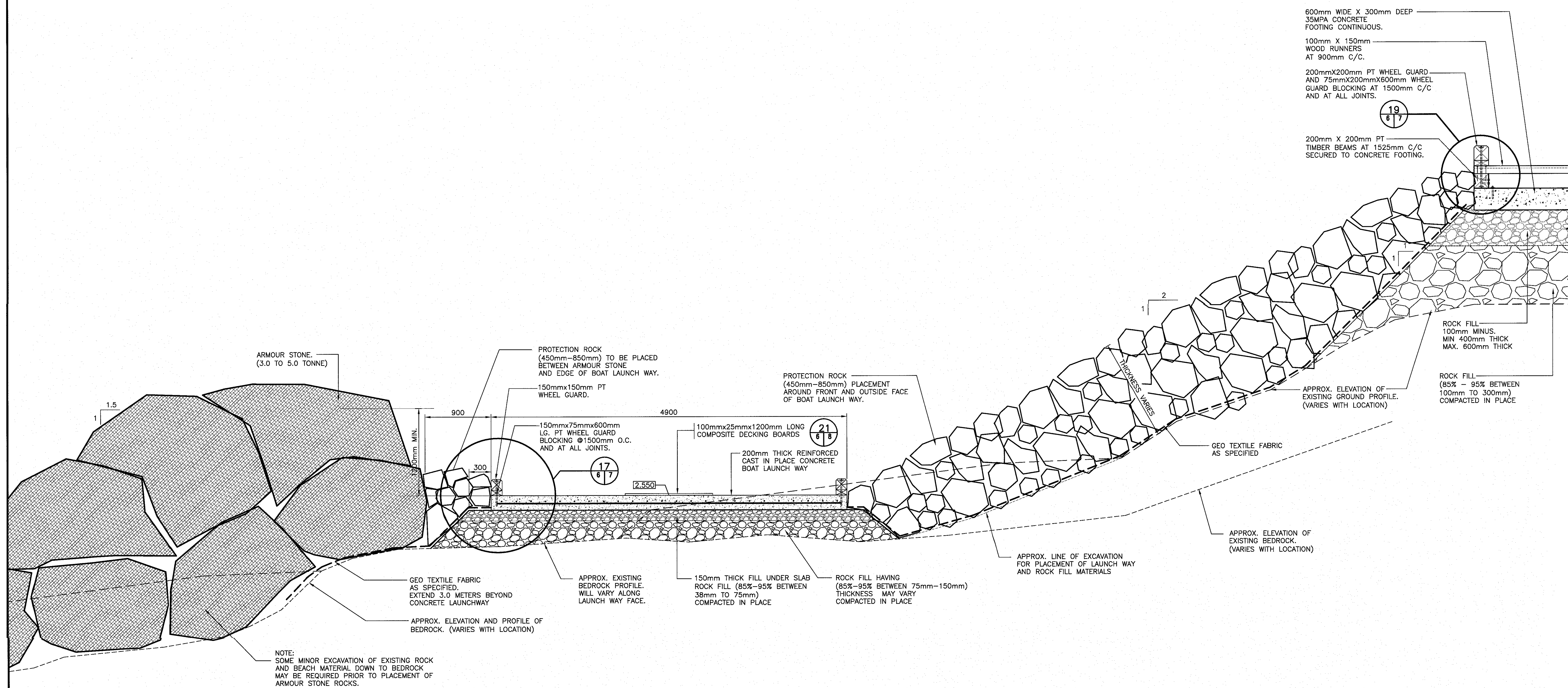
SMALL CRAFT HARBOURS



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CONCRETE LAUNCH WAY SECTION
 SCALE: 1:25
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



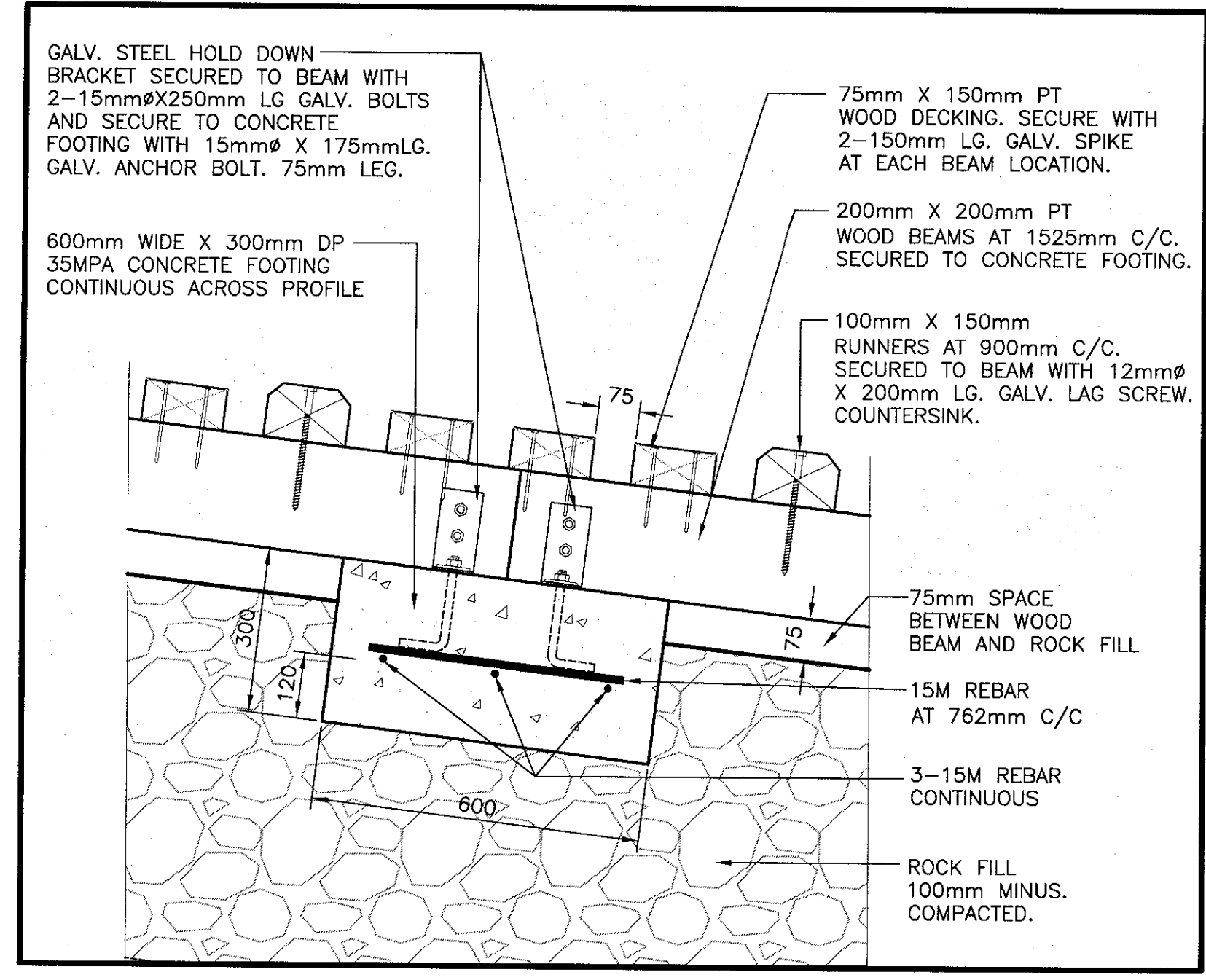
CONCRETE LAUNCH WAY SECTION
 SCALE: 1:25
 0mm 500mm 1000mm 1500mm 2000mm 2500mm

0	ISSUED FOR TENDER	05/04/19
revisions		date
project		project

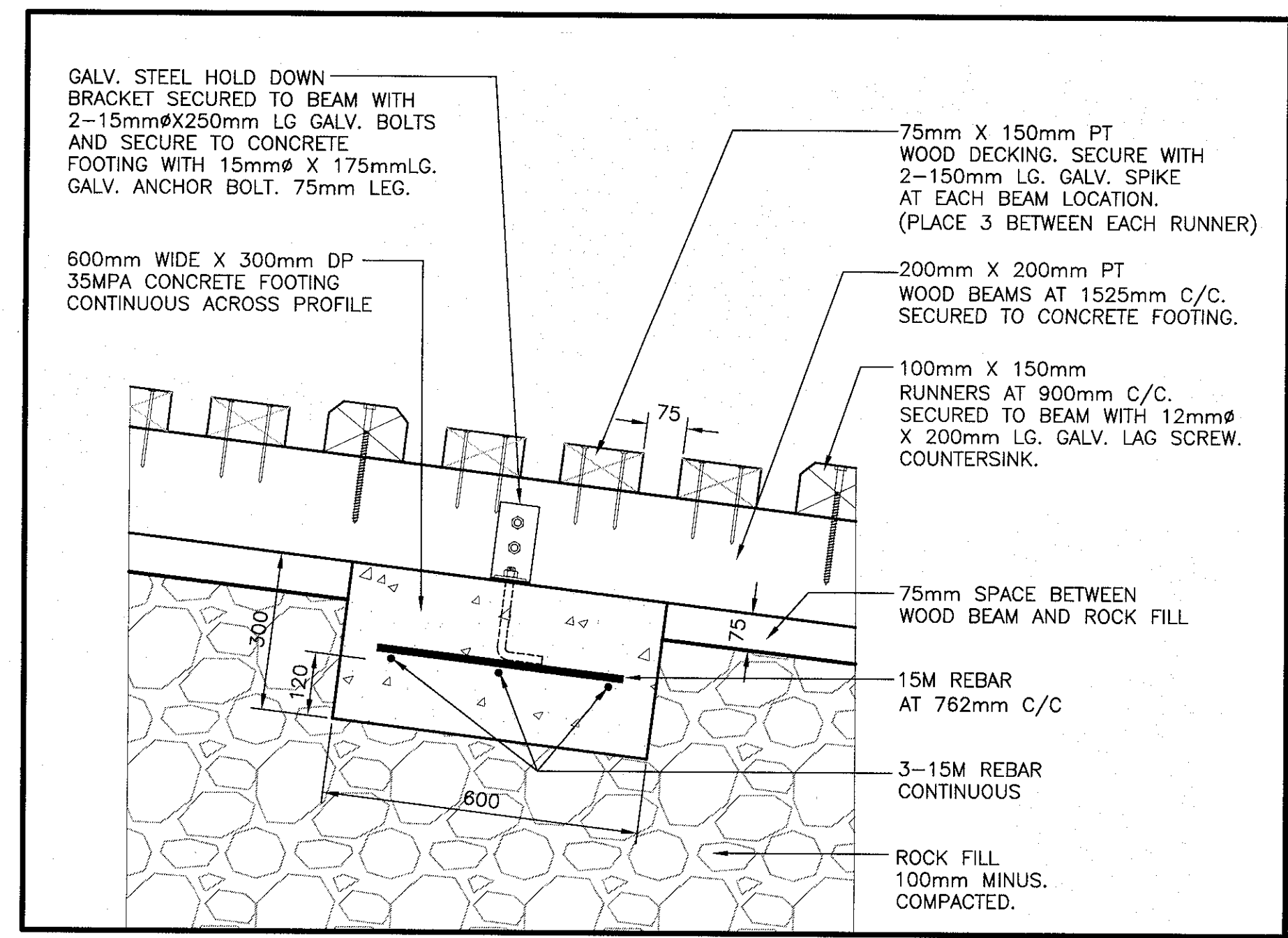
SLIPWAY
 RECONSTRUCTION
 RIVER OF PONDS, NL

CONCRETE LAUNCH WAY
 SECTIONS

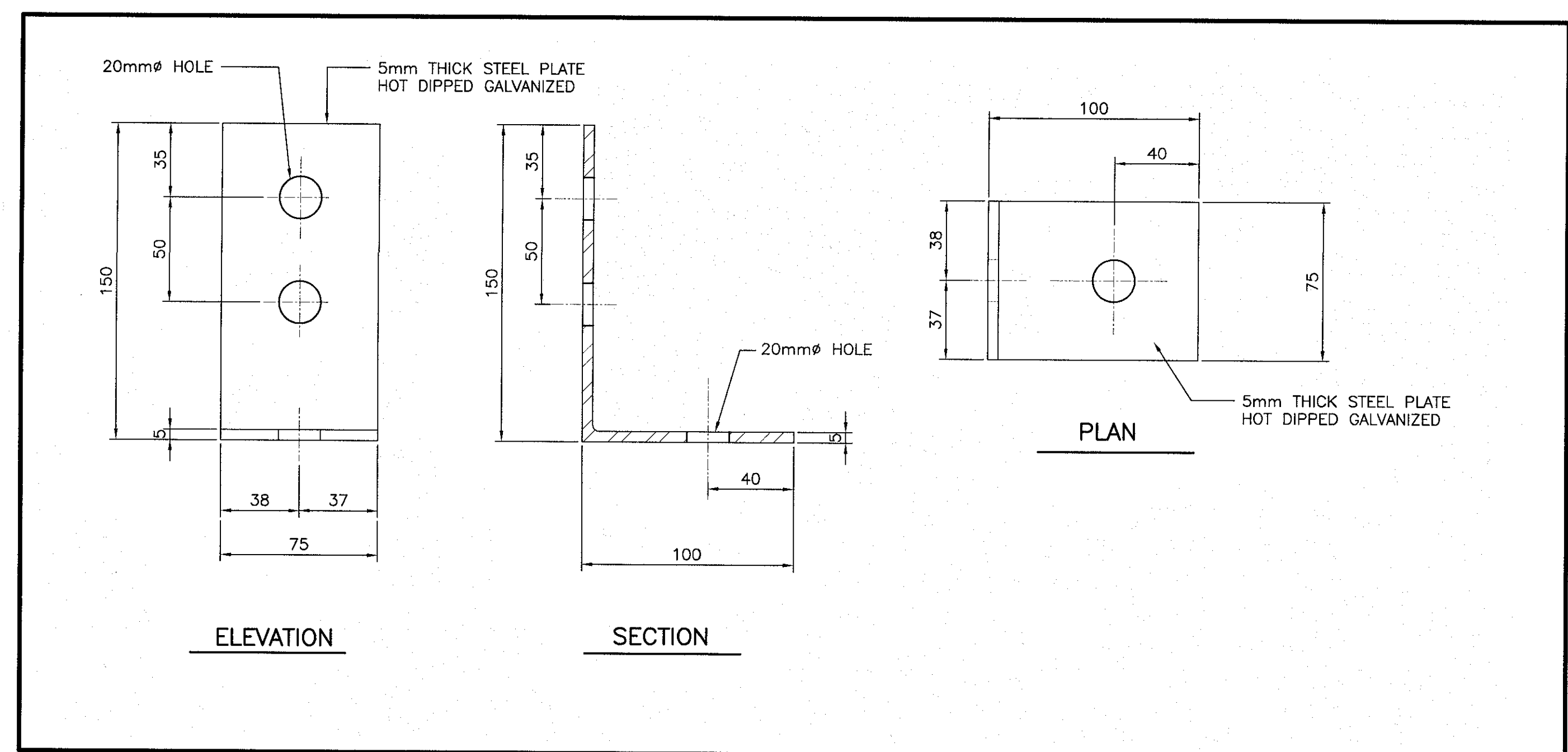
designed	W.J.ANDERSON	concu
date	APRIL 2019	
drawn	R.S.H	designer
date	APRIL 2019	
approved		approved
date		
Tender	Paul Curran	Soumission
DFD Project Manager		
project number	722303	no. du projet
drawing no.	6 OF 9	no. du dessin



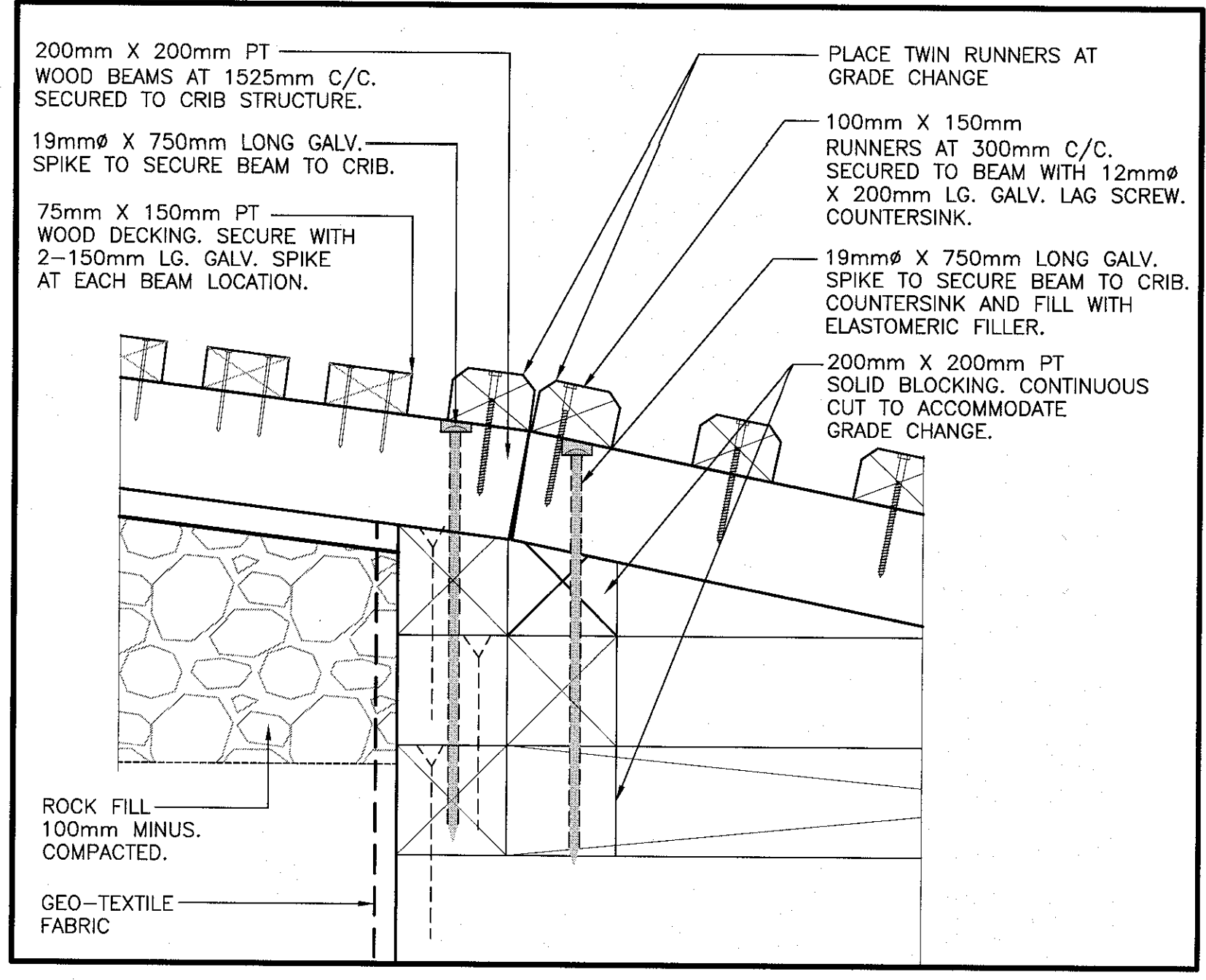
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4/7



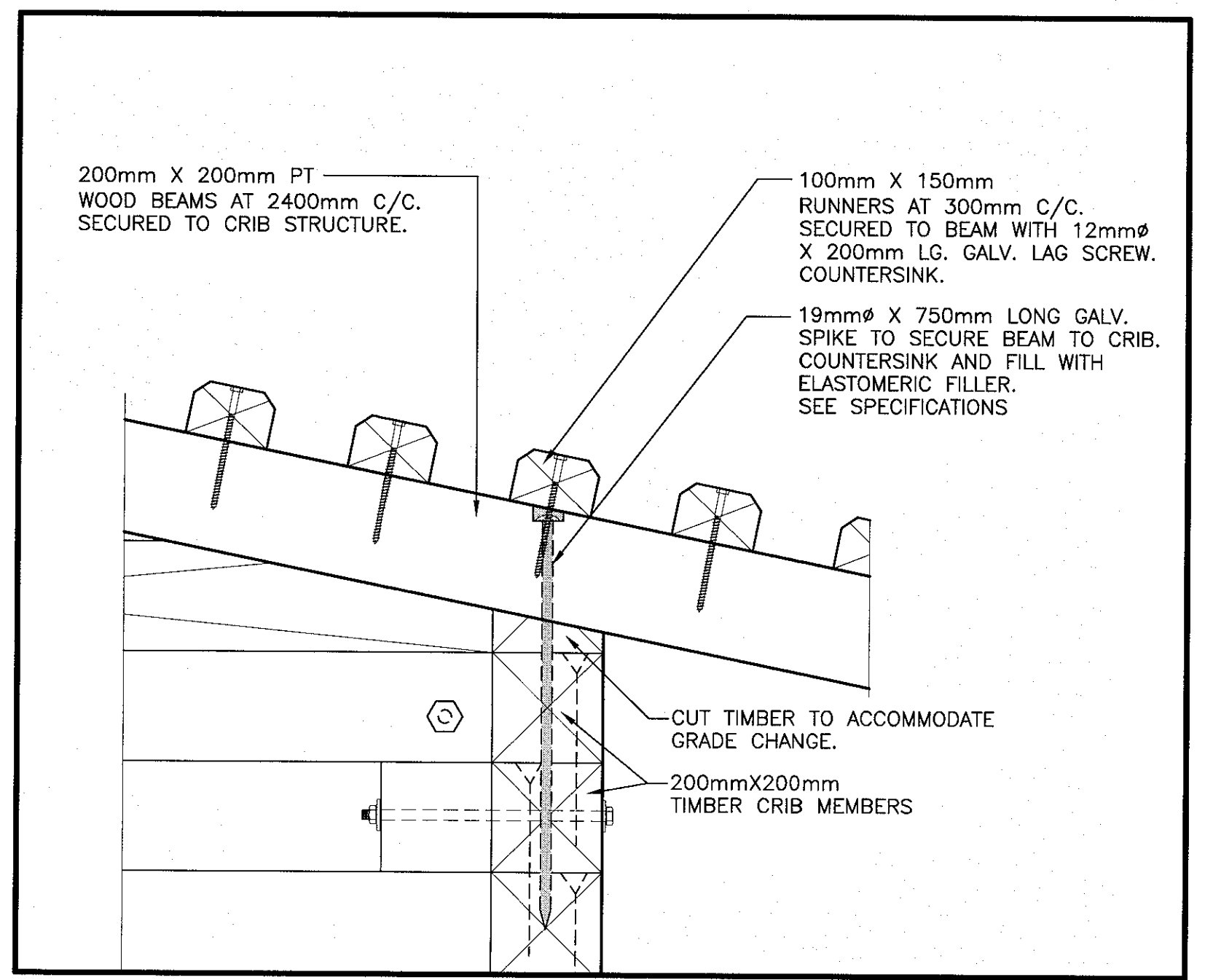
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4/7



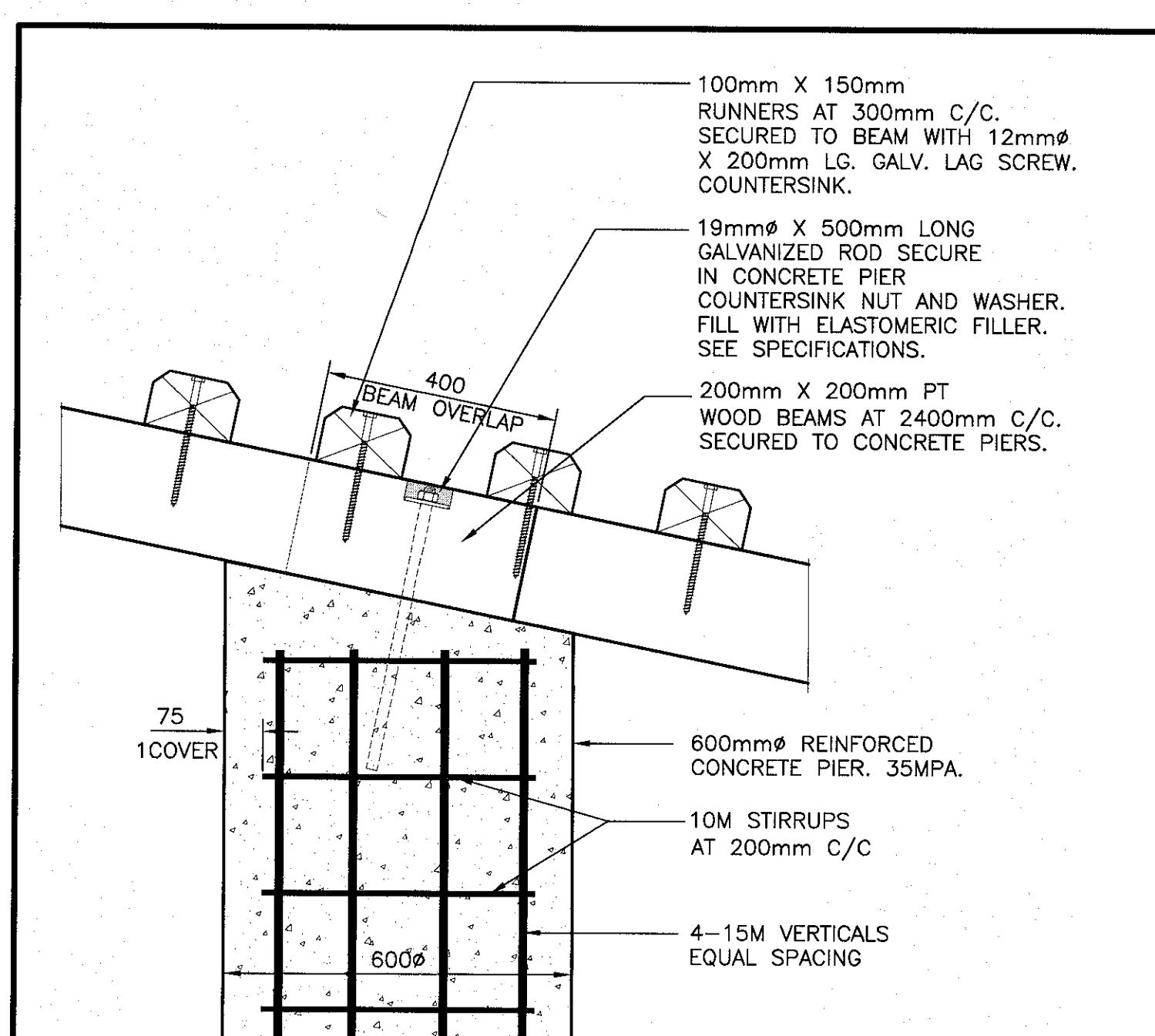
HOLD DOWN BRACKET DETAIL
SCALE : 1:2
ELEVATION SECTION PLAN



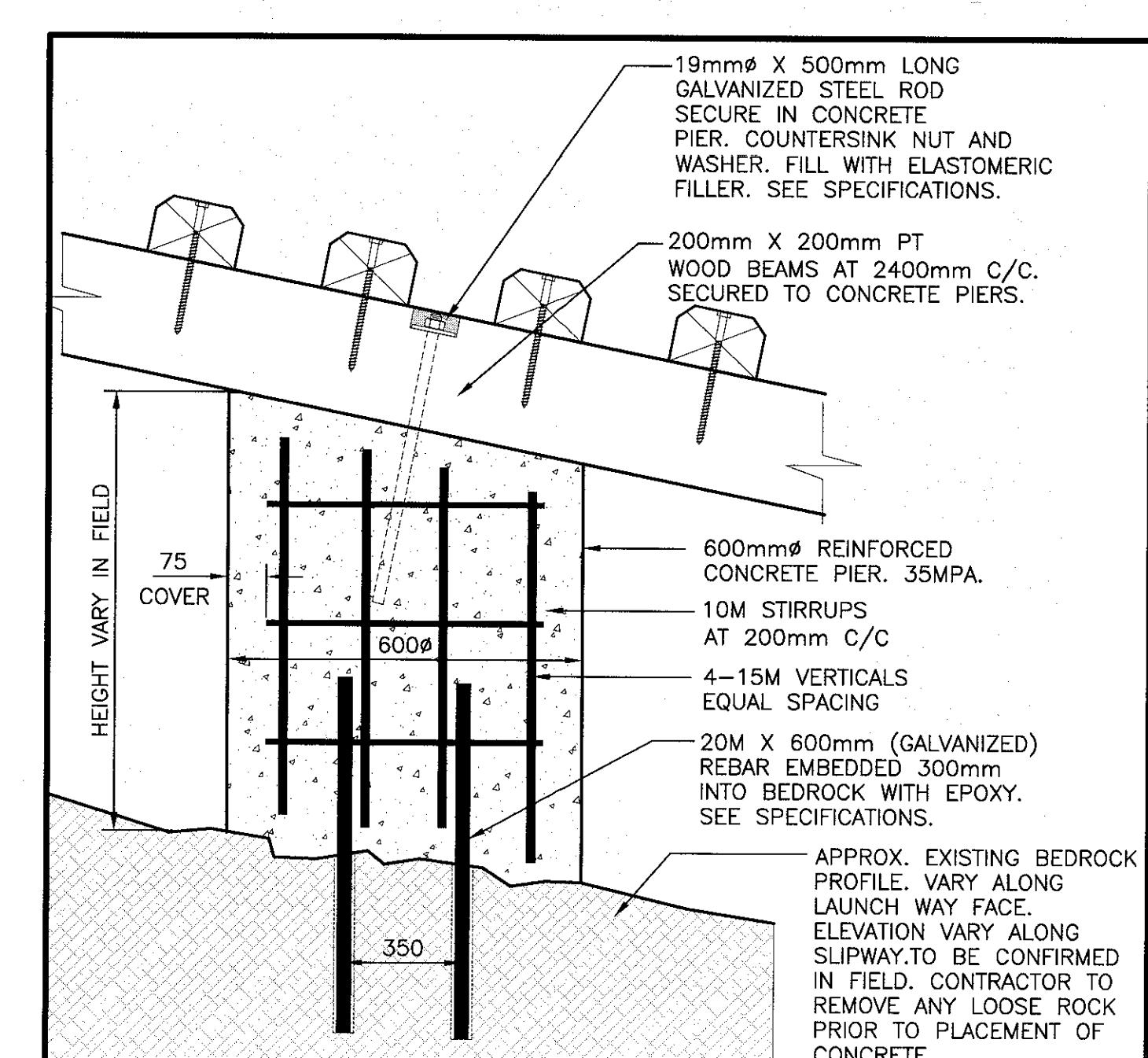
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4/7



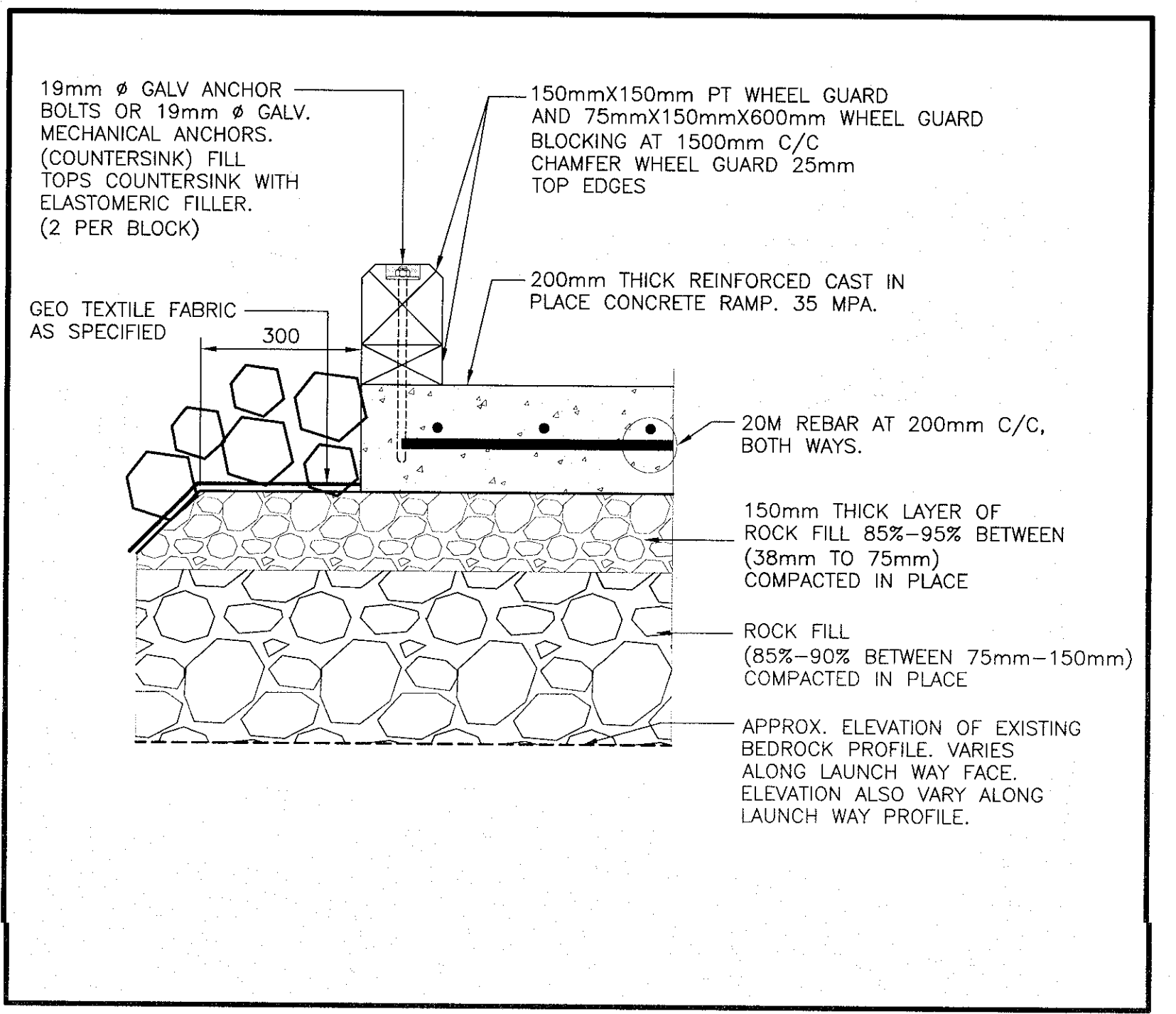
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4/7



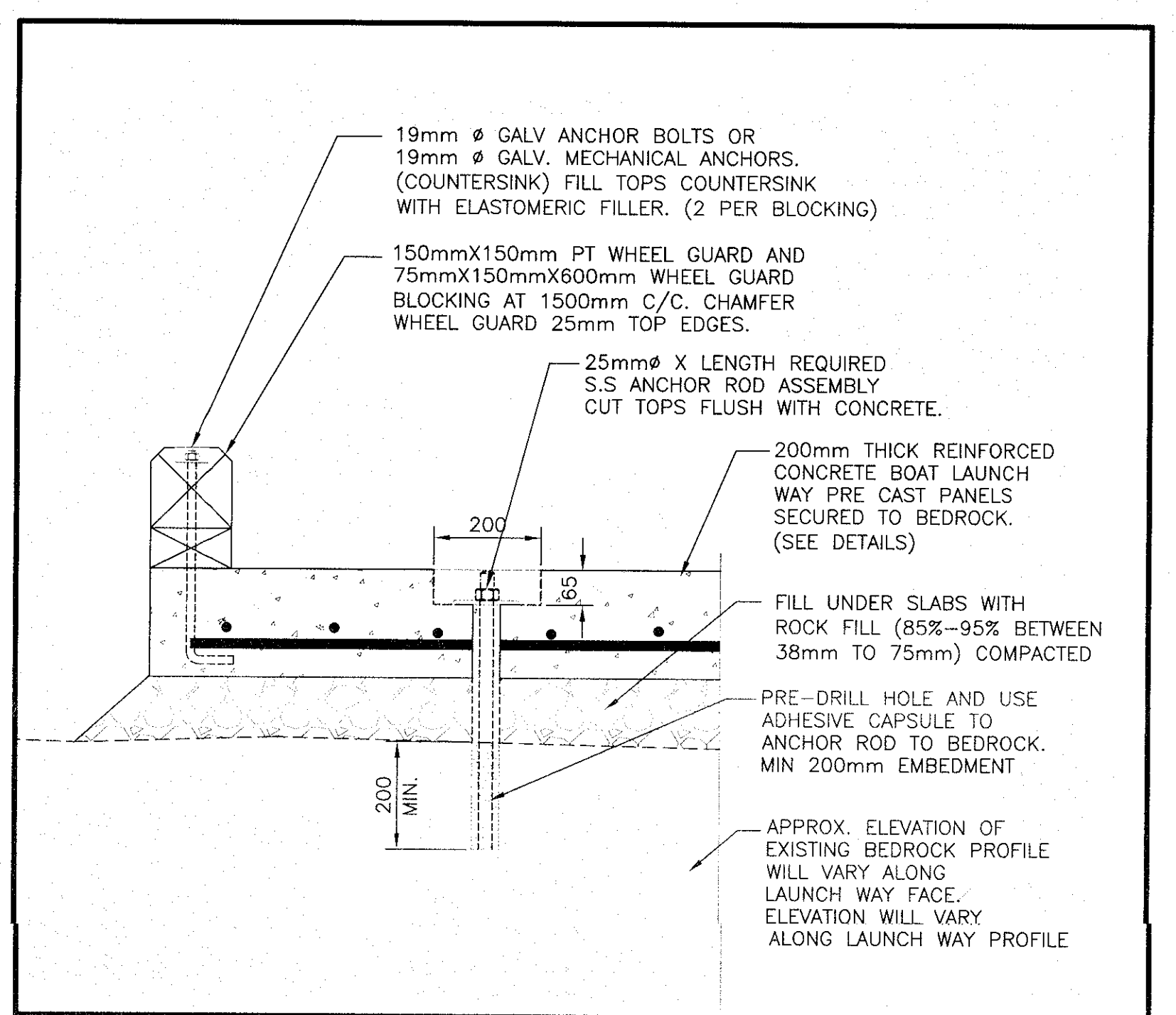
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4/7



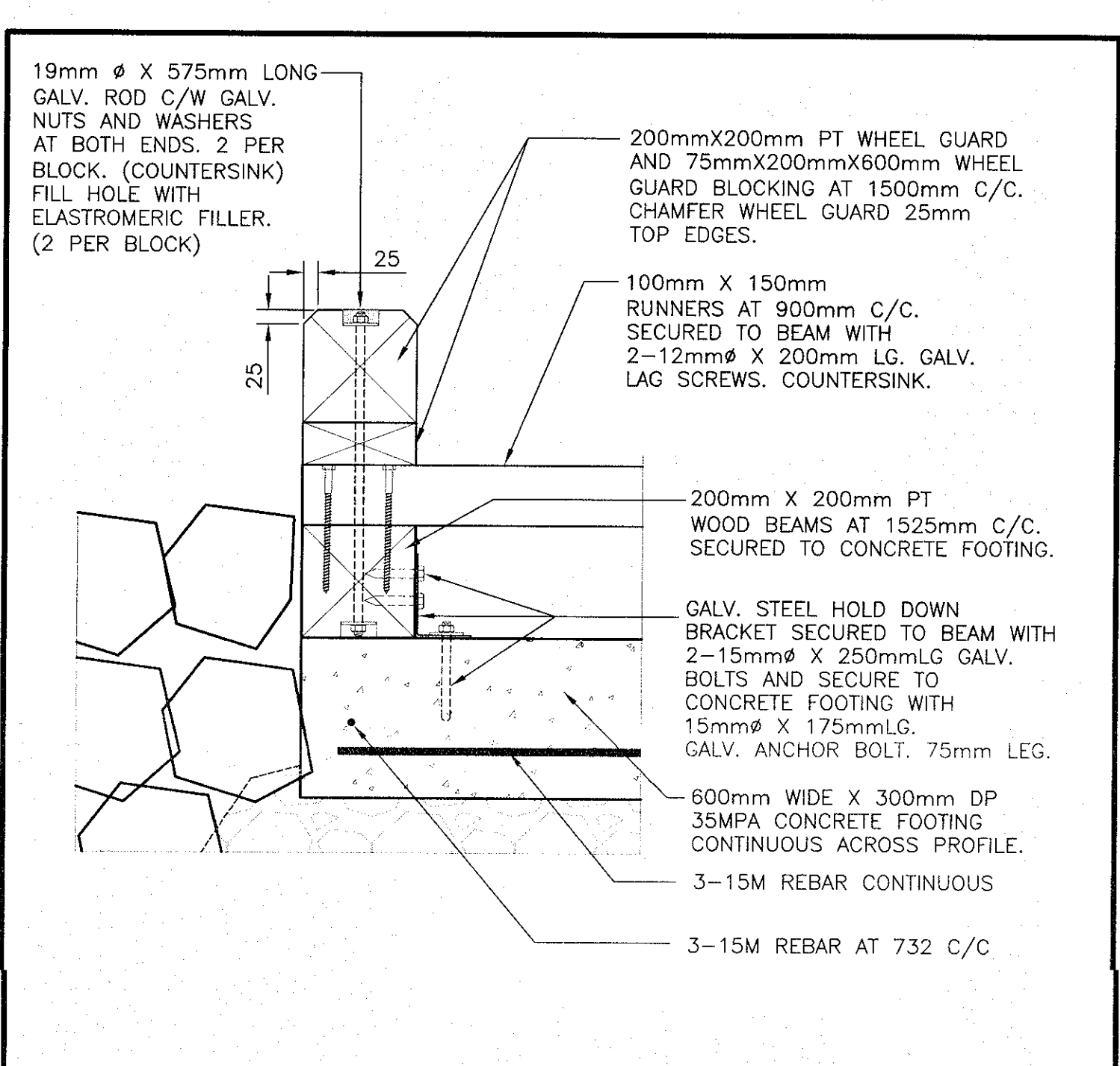
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4/7



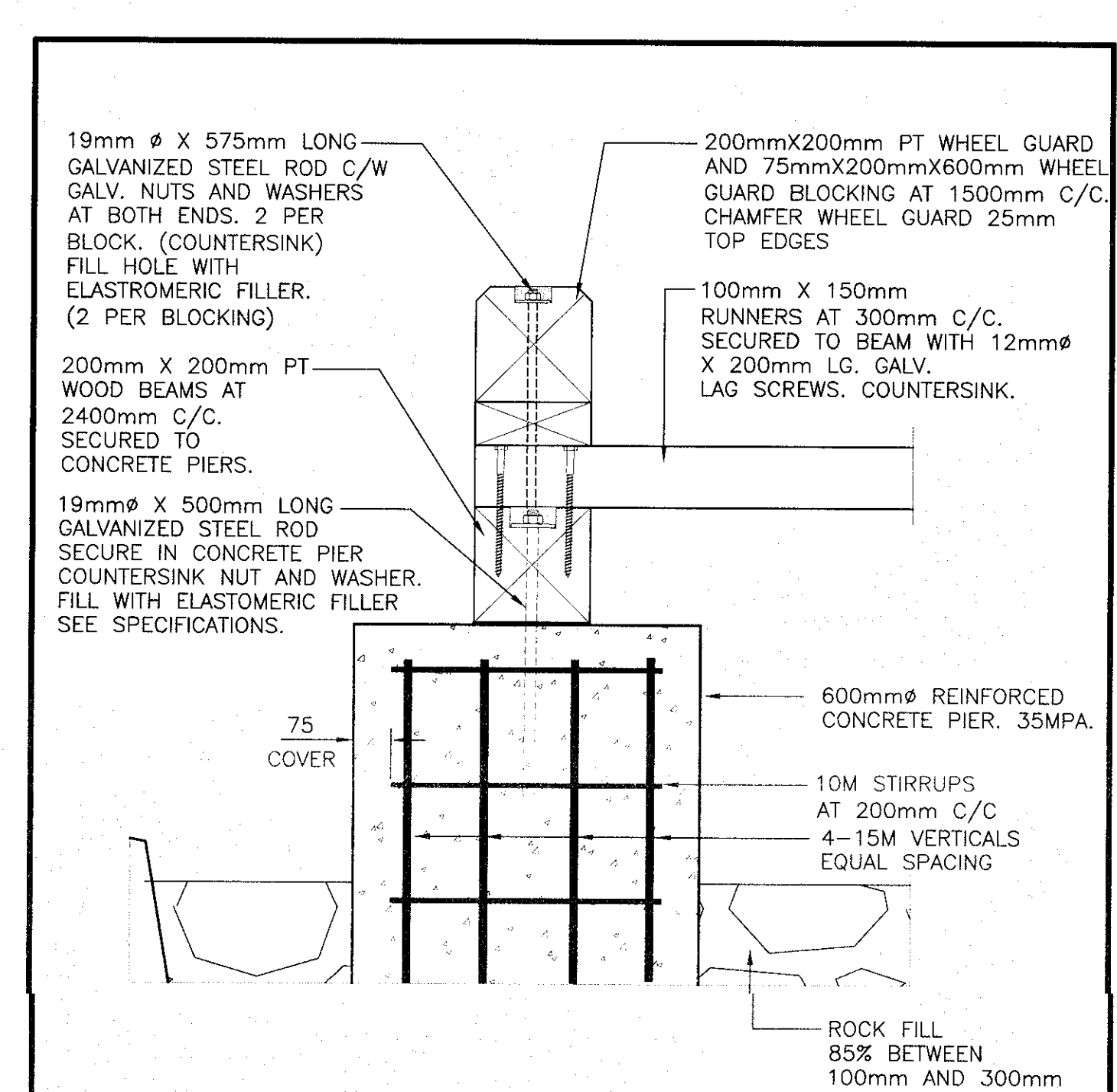
DETAIL
SCALE : 1:10
17
6/7



DETAIL
SCALE : 1:10
18
6/7



DETAIL
SCALE : 1:10
19
6/7



DETAIL
SCALE : 1:10
20
6/7

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

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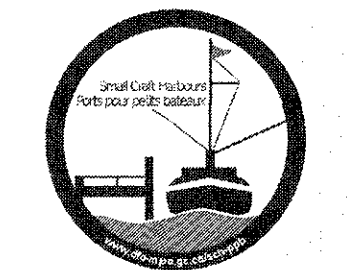
SLIPWAY RECONSTRUCTION RIVER OF PONDS, NL

MISC DETAILS

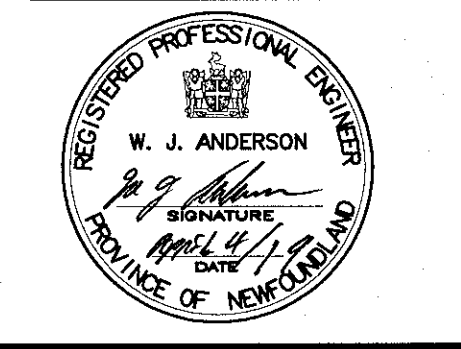
0	ISSUED FOR TENDER	05/04/19
revisions		date
project		project

designed: W.J. ANDERSON
date: APRIL 2019
drawn: R.S.H.
date: APRIL 2019
approved: [Signature]
date: [Signature]
Tender: [Signature]
DFD Project Manager
project number: 722303
drawing no.: 7 OF 9

SMALL CRAFT HARBOURS



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MISC. DETAILS

designed W.J.ANDERSON concd
 date APRIL 2019
 drawn R.S.H. dessine
 date APRIL 2019
 approved approve
 date
 tender Paul Curran Submission
 DFO Project Manager
 project number 722303 no. du projet
 drawing no. 8 OF 9 no. du dessin

0 ISSUED FOR TENDER 05/04/19

revisions date

project project

SLIPWAY RECONSTRUCTION RIVER OF PONDS, NL

designing W.J.ANDERSON concd

date APRIL 2019

drawn R.S.H. dessine

date APRIL 2019

approved approve

date

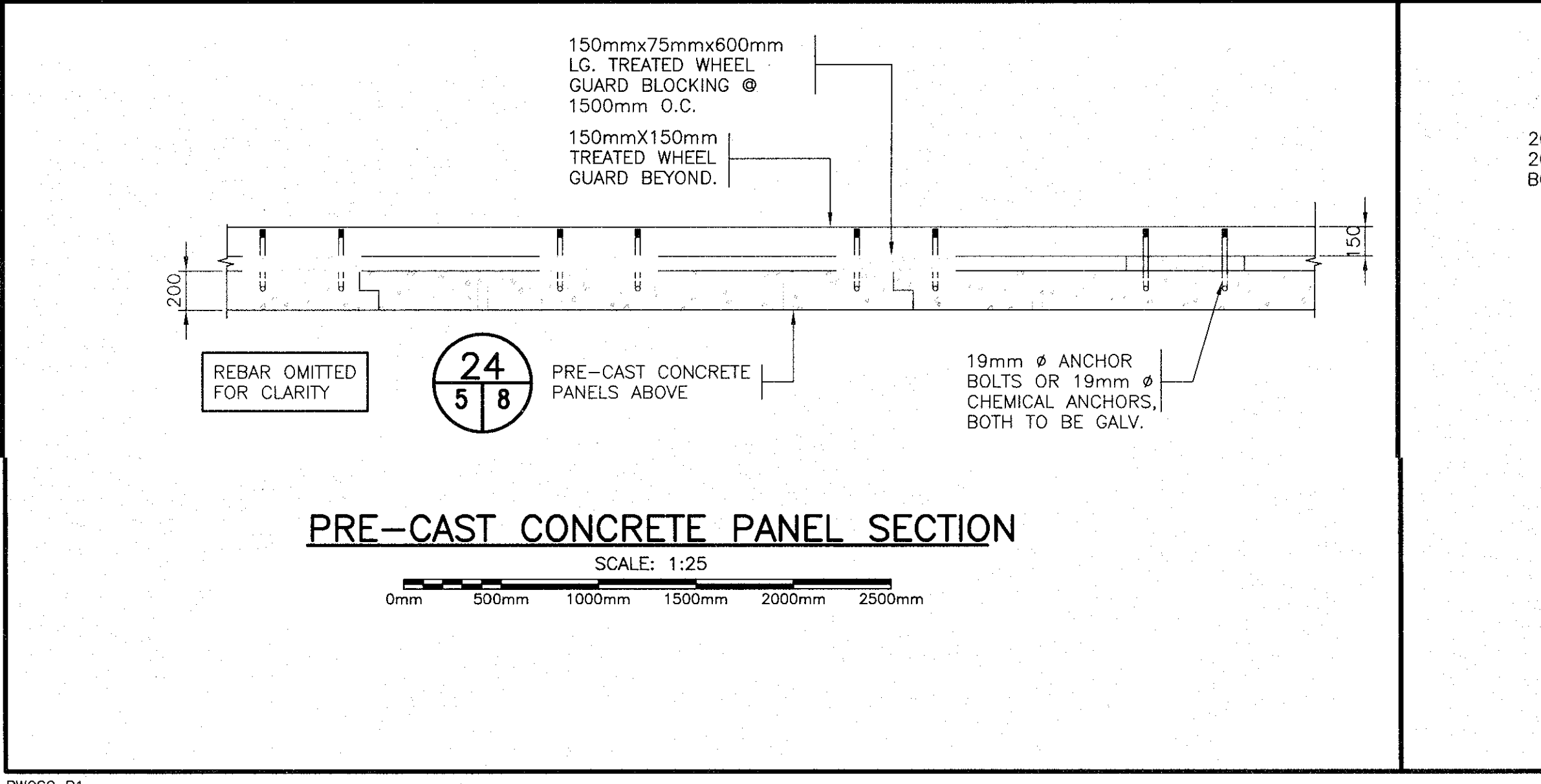
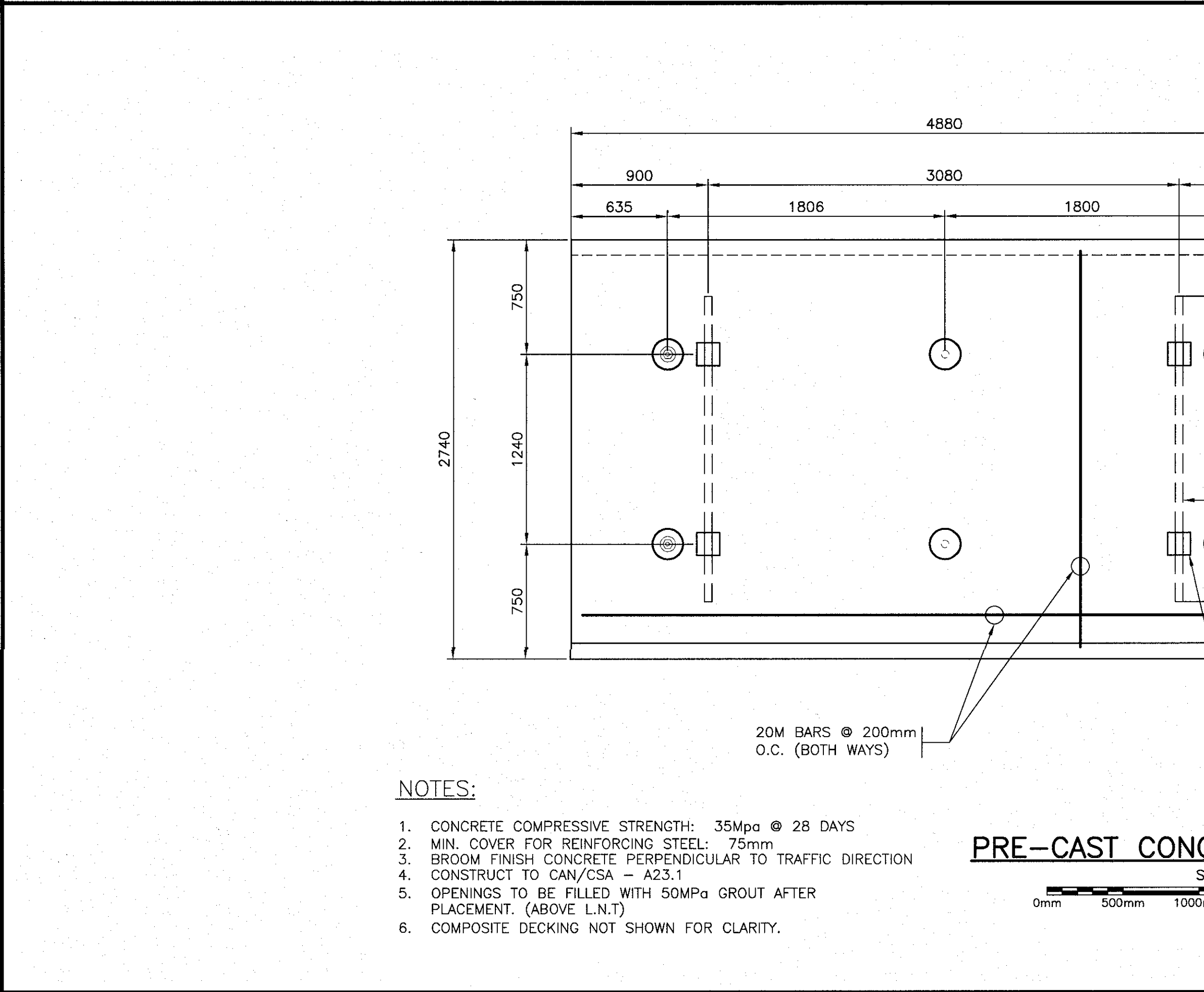
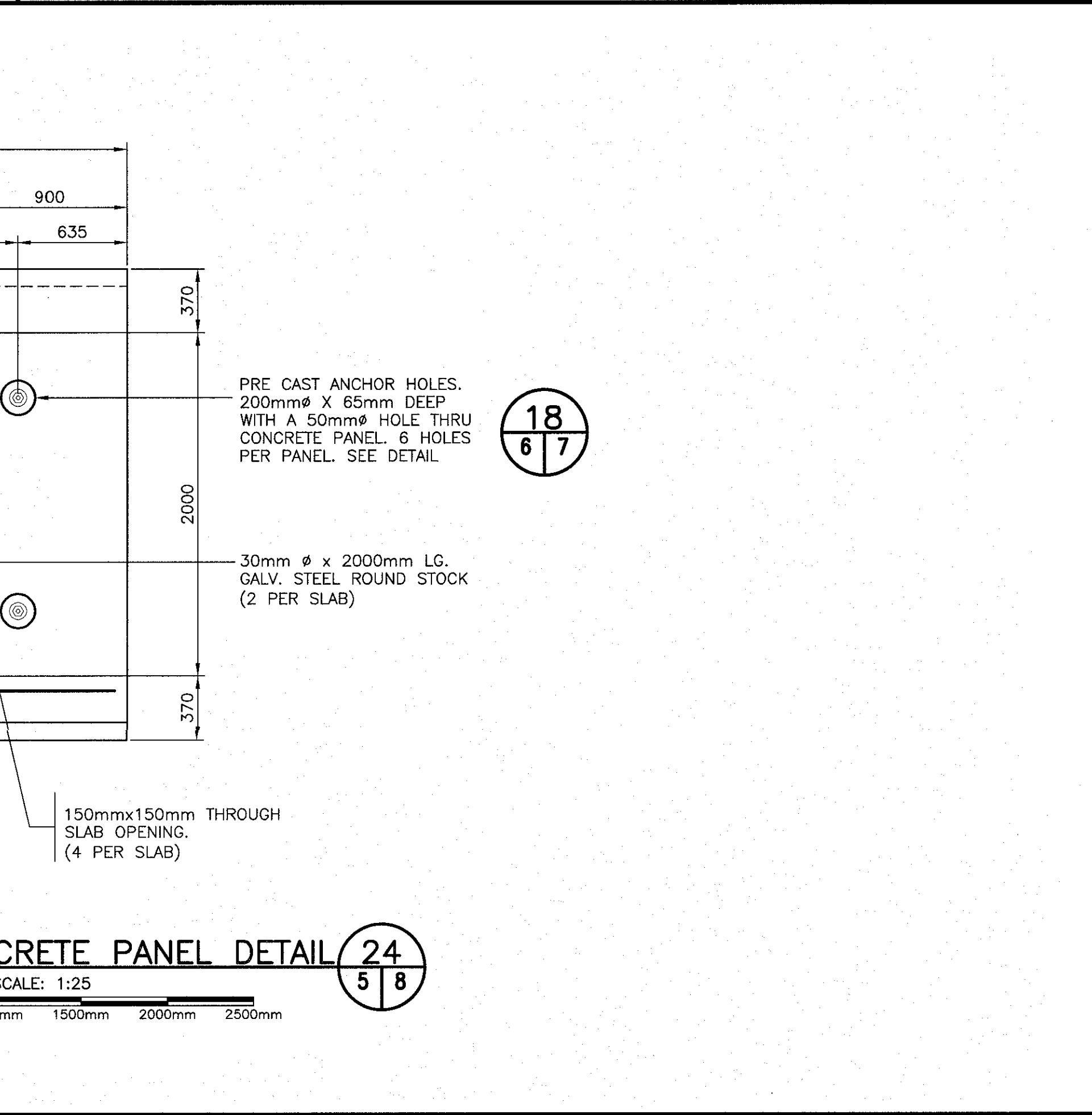
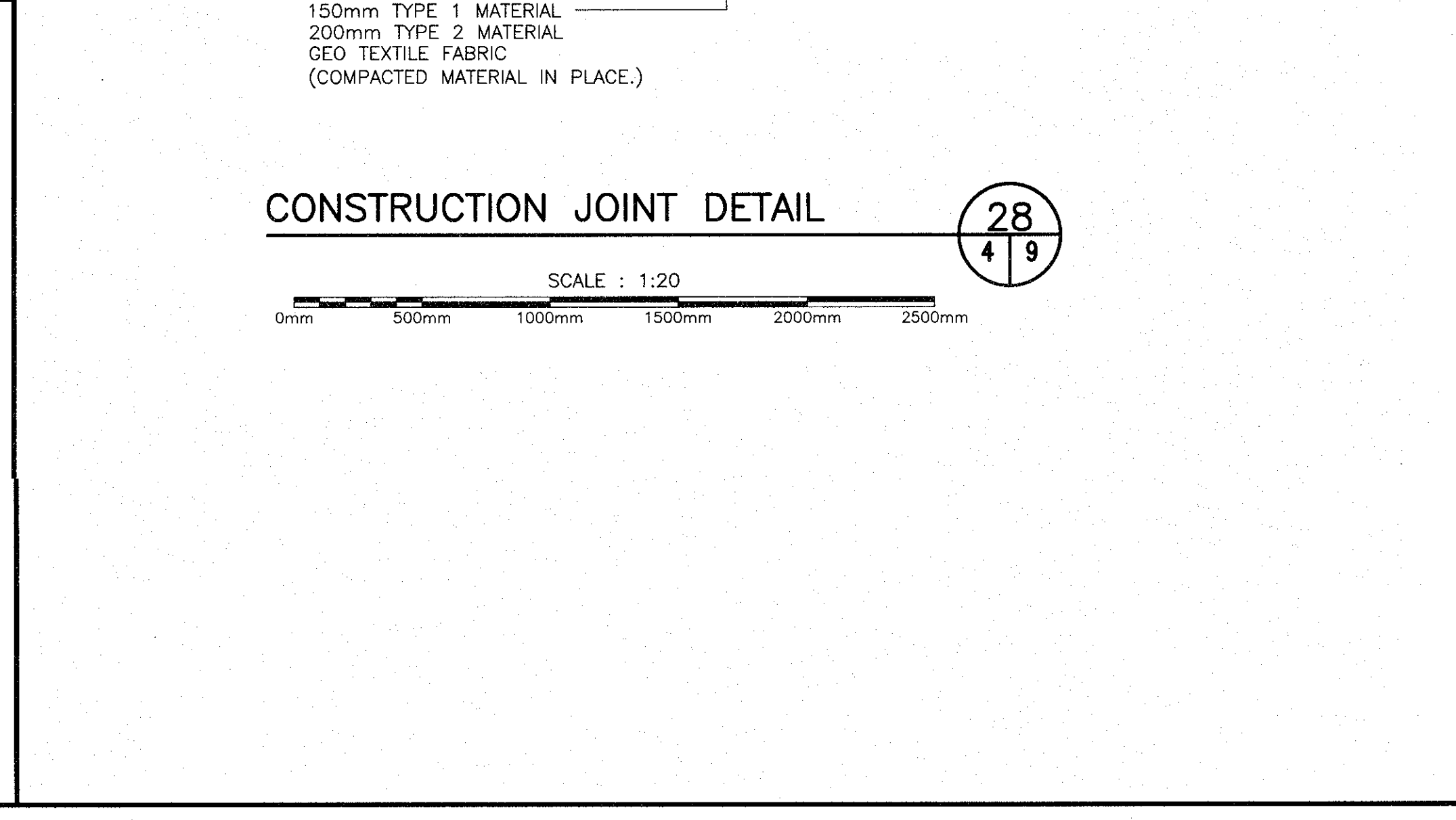
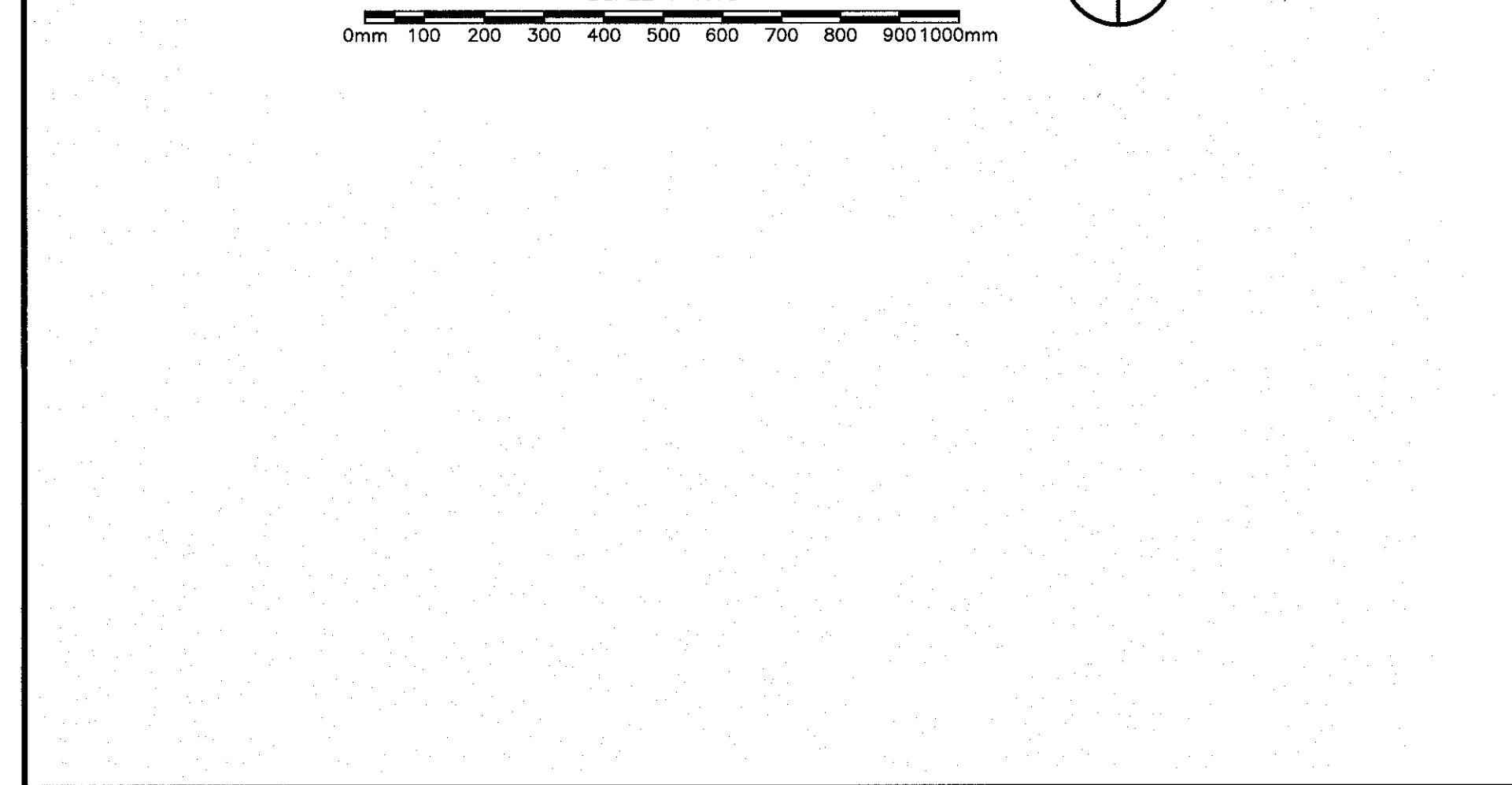
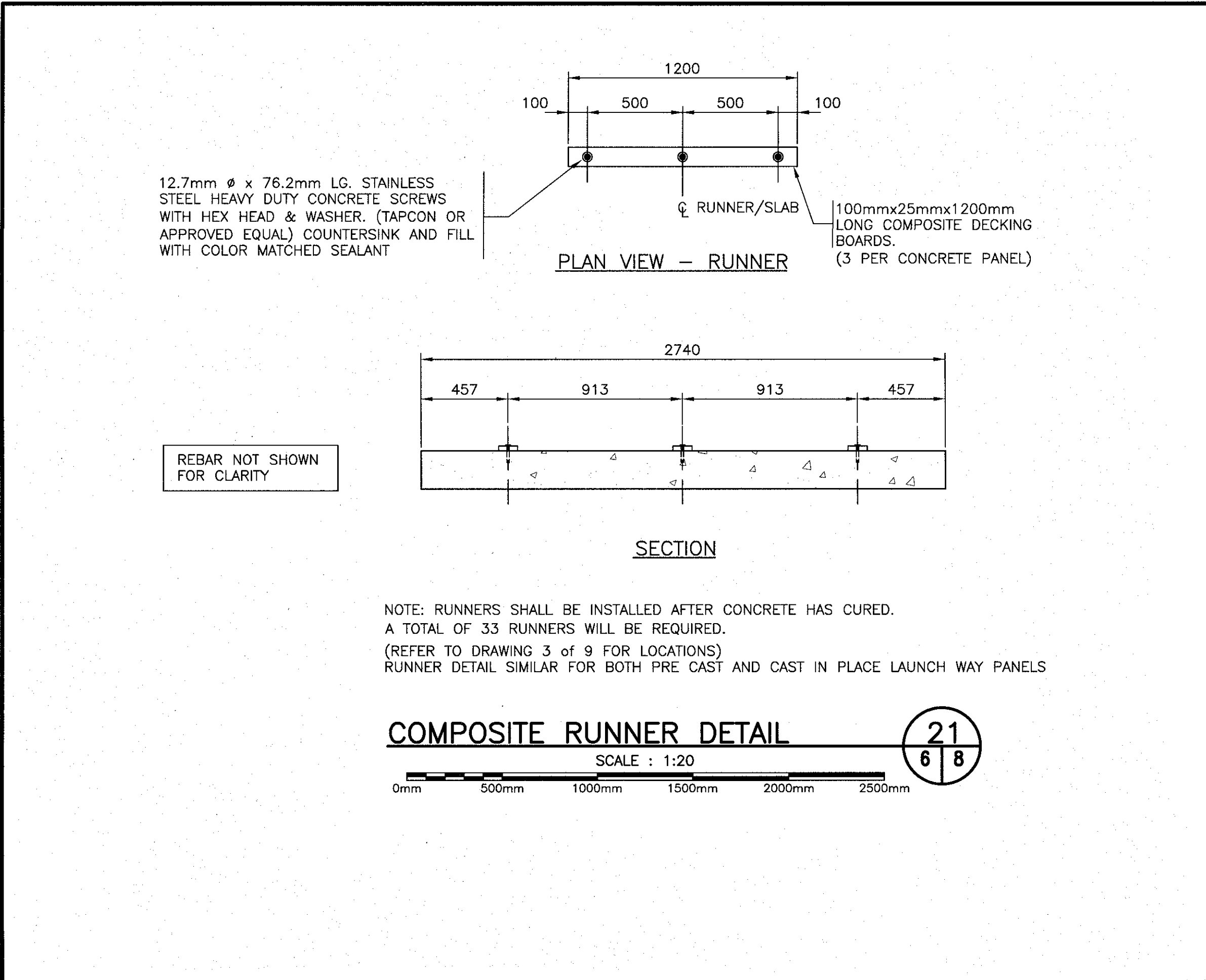
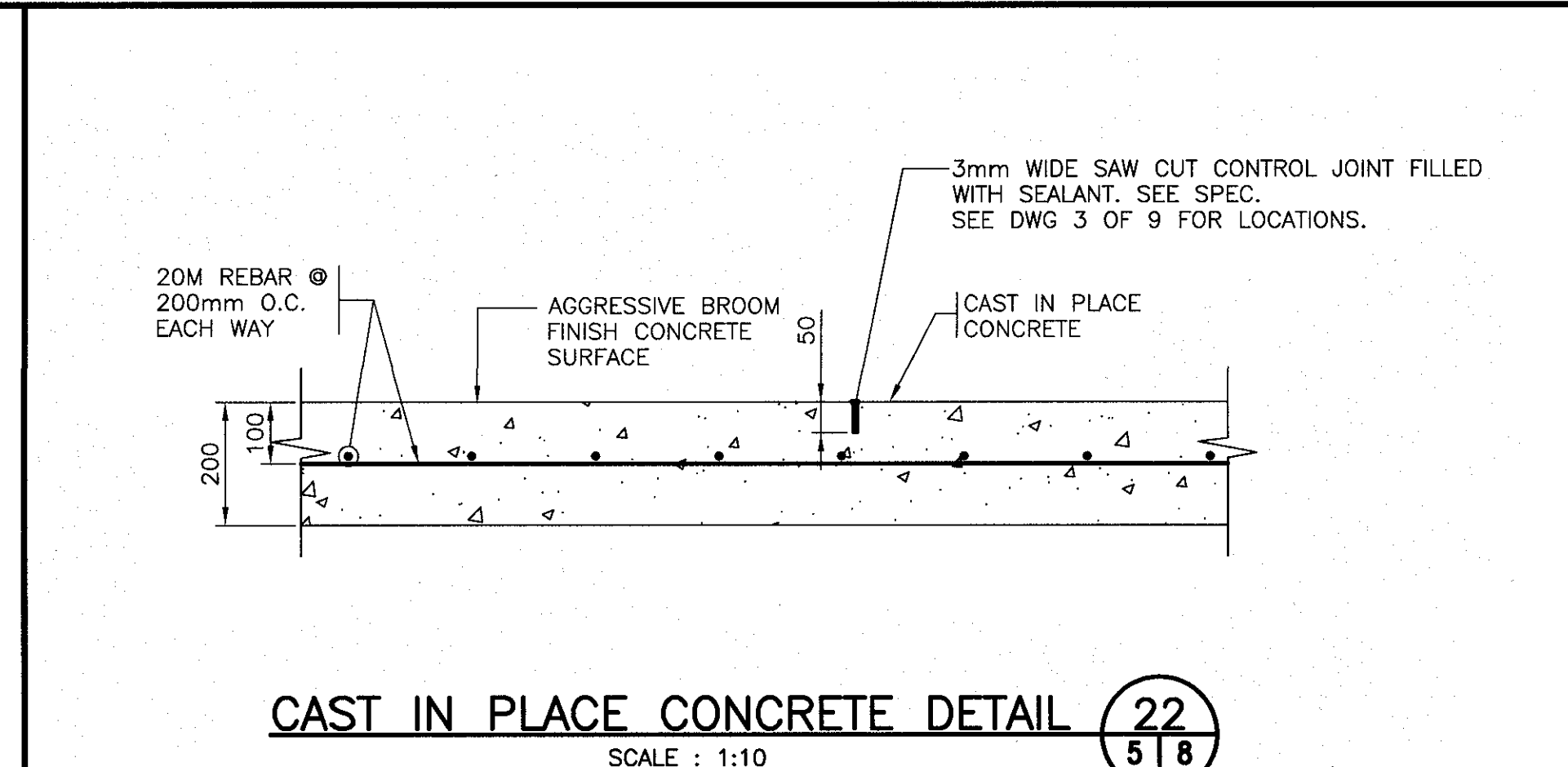
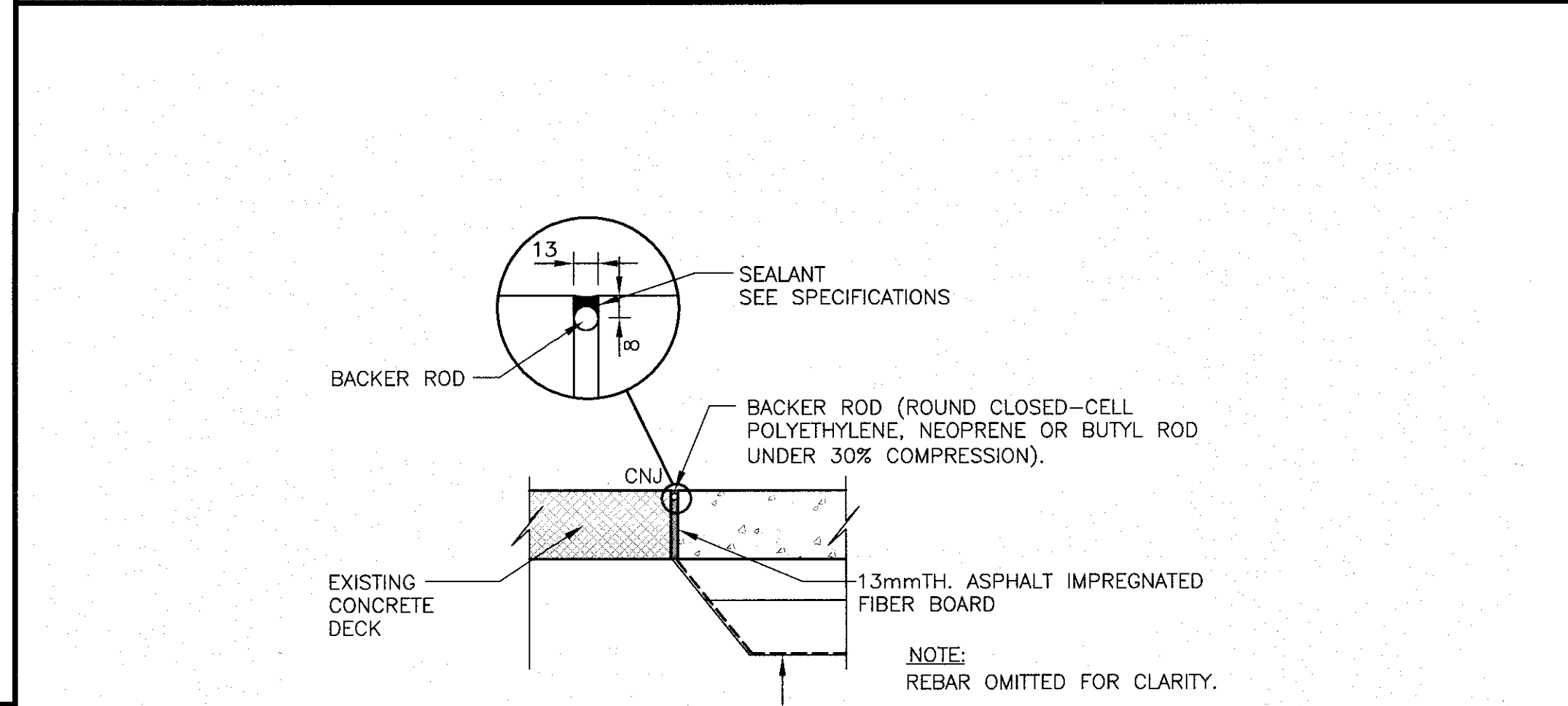
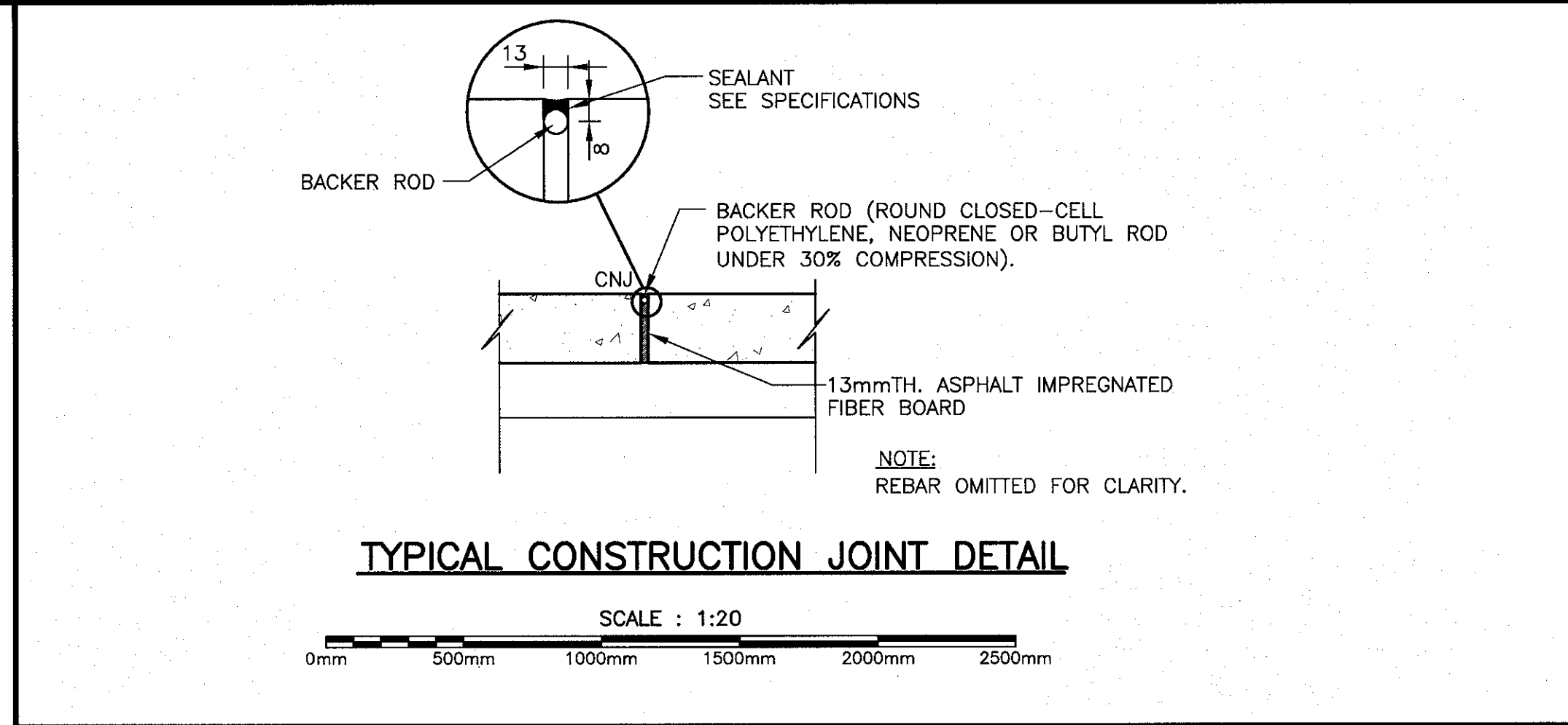
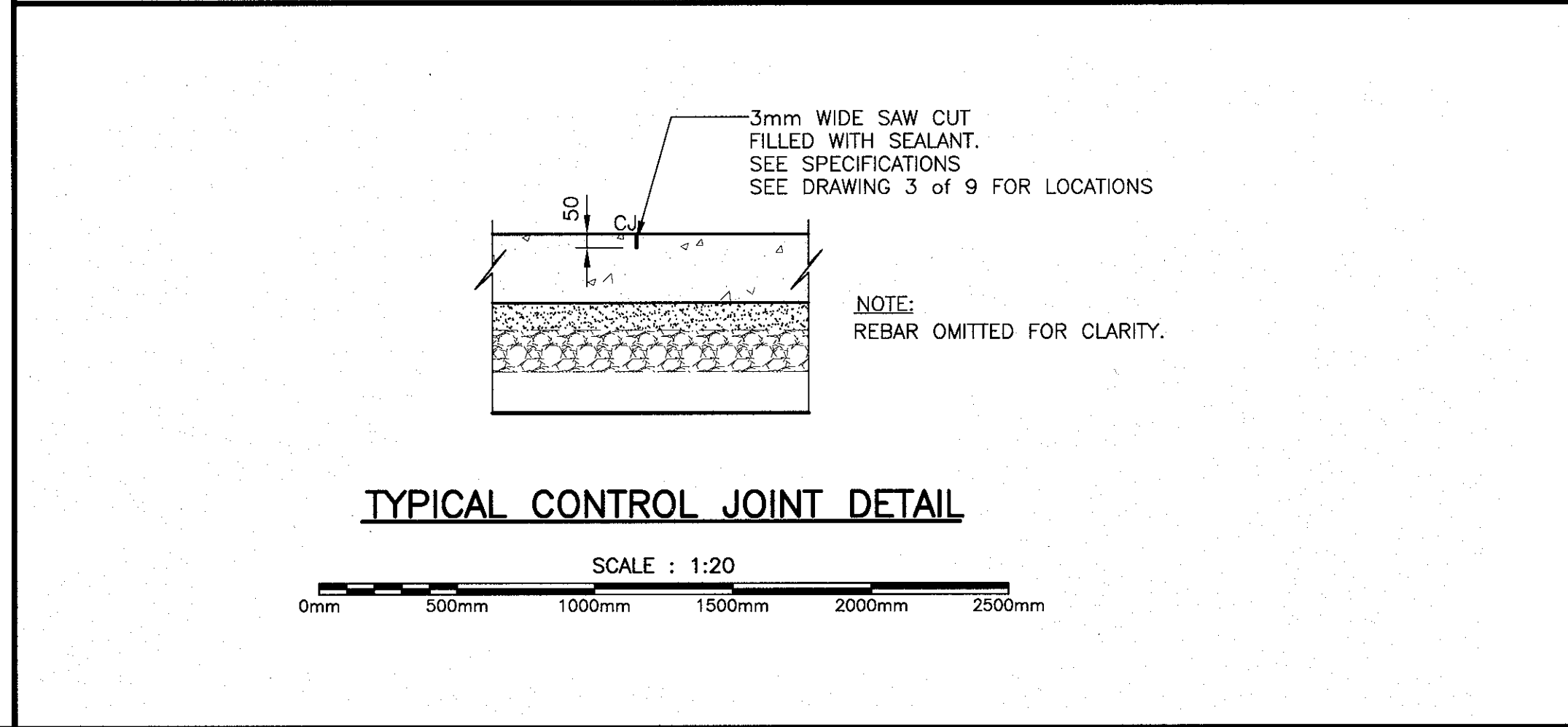
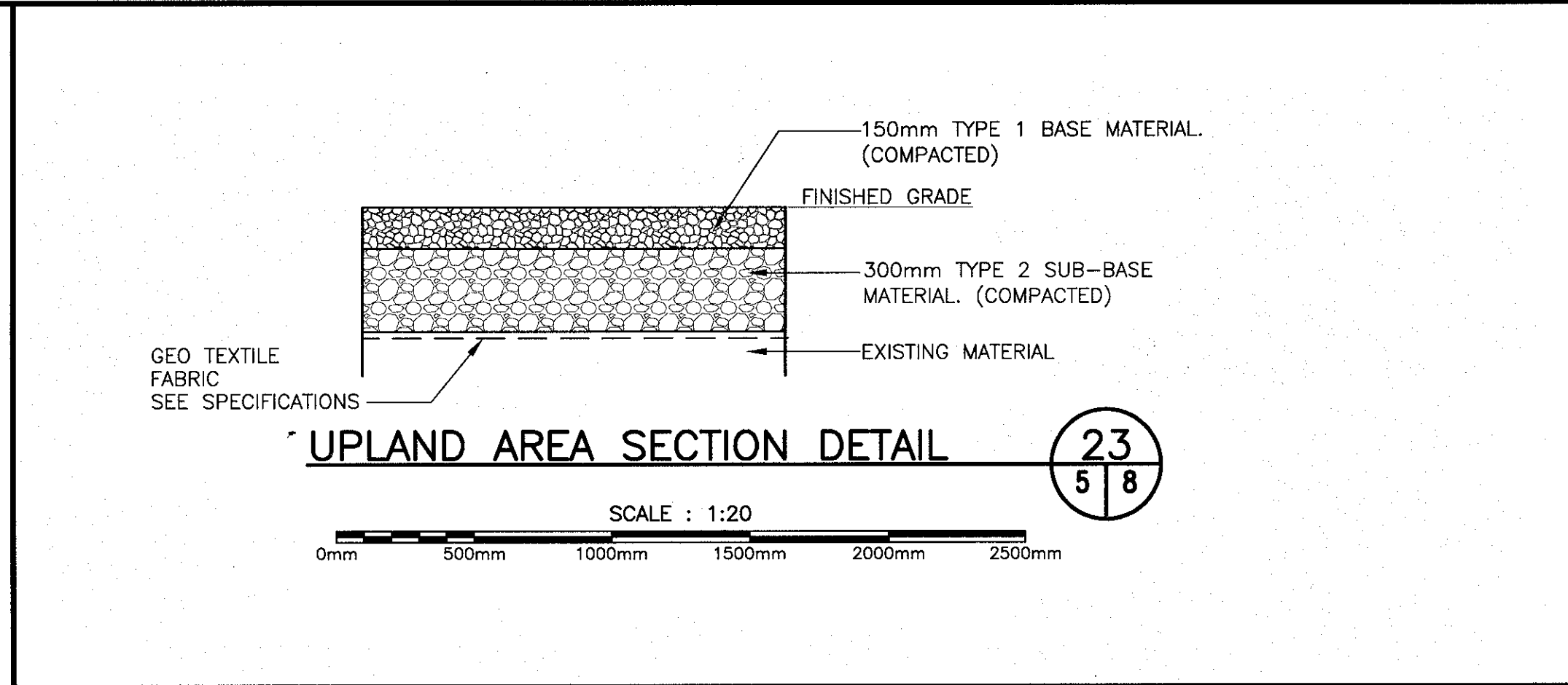
tender Paul Curran Submission

DFO Project Manager

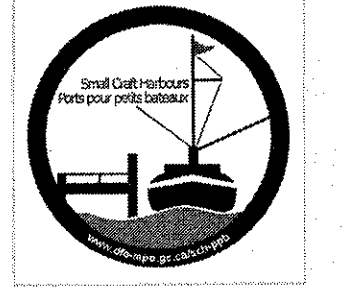
project number 722303 no. du projet

drawing no. 8 OF 9 no. du dessin

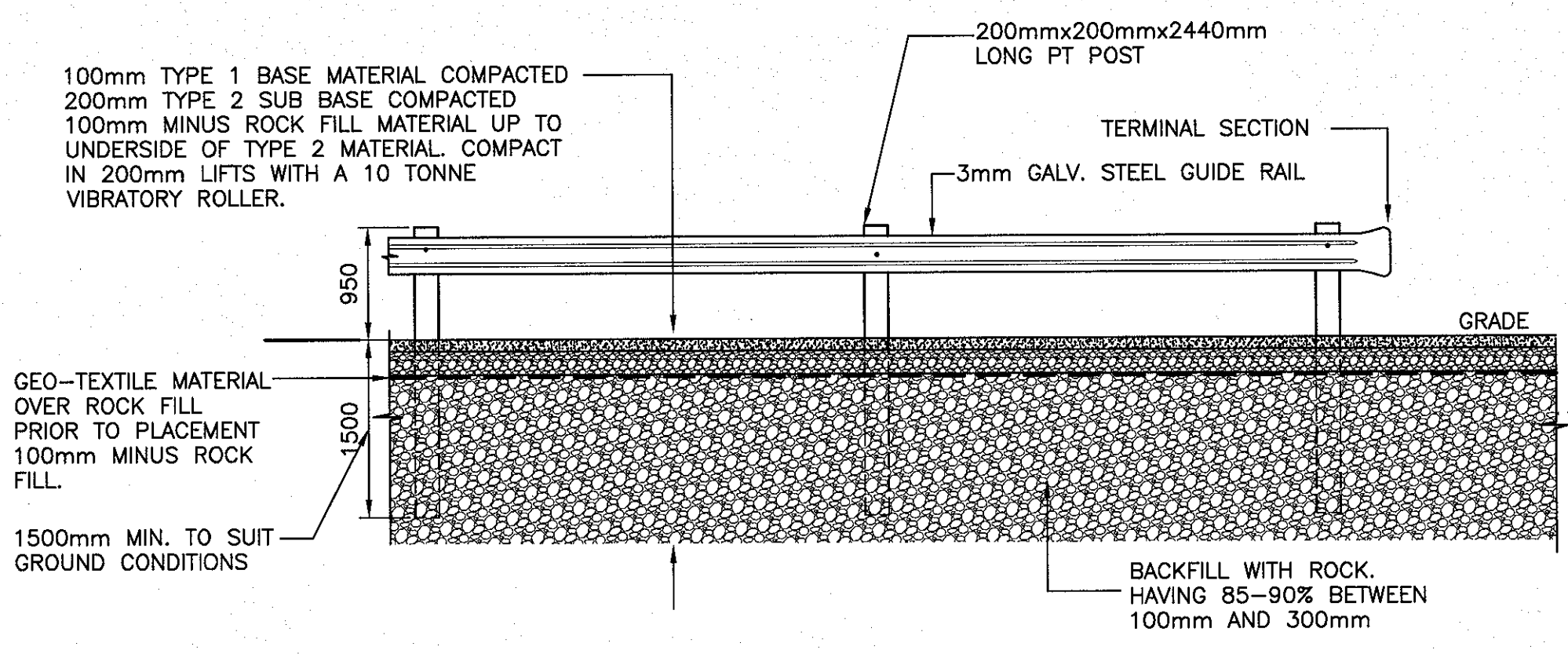
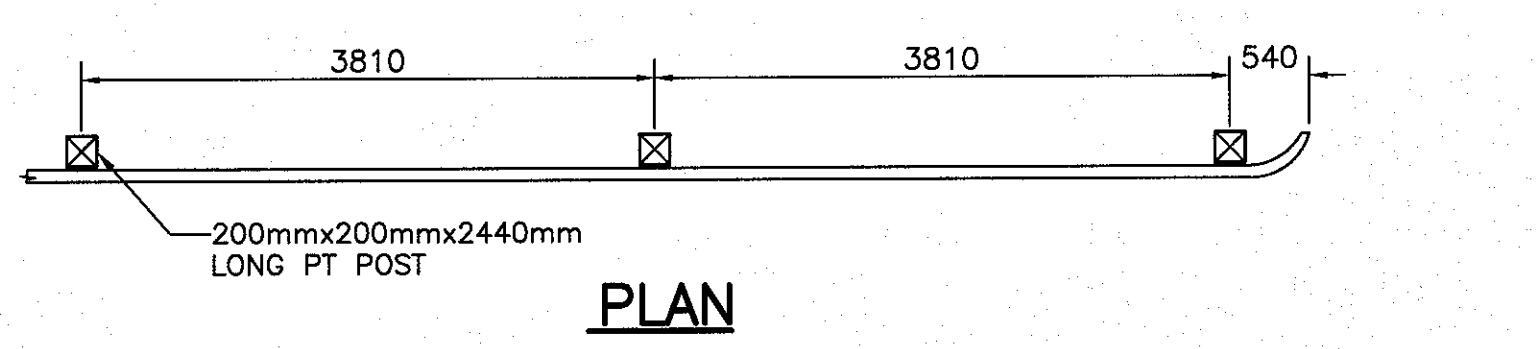
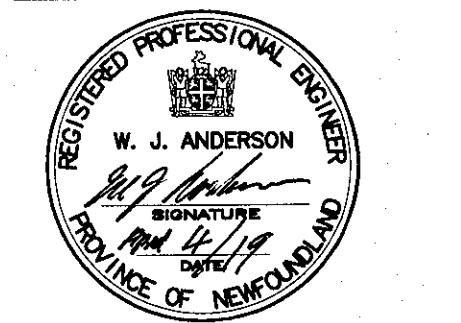
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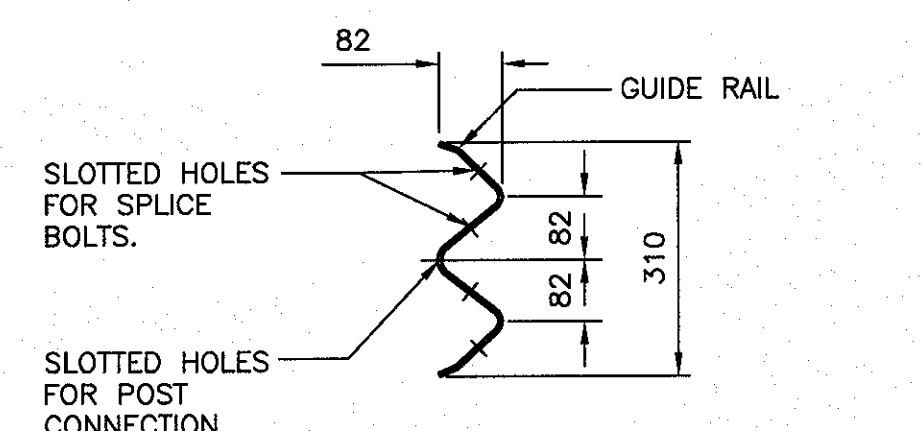
SMALL CRAFT HARBOURS



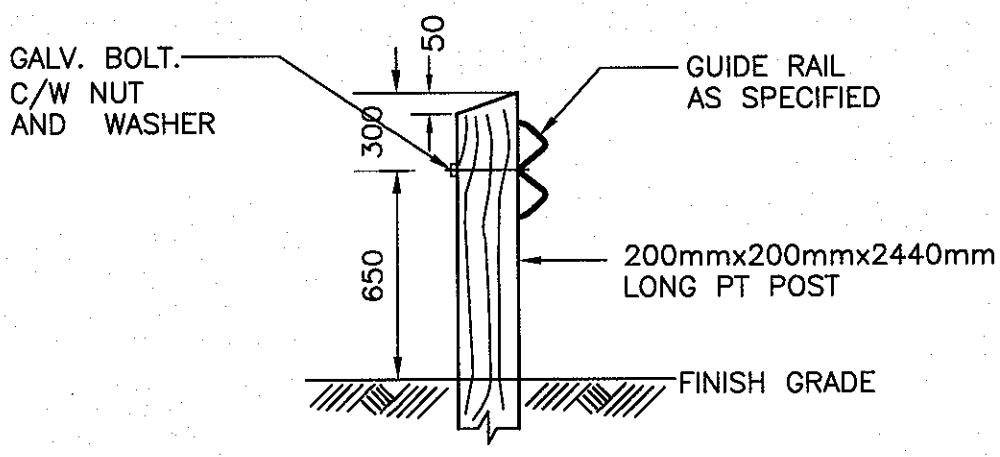
PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
 This Permit Allows
 ANDERSON ENGINEERING CONSULTANTS LTD.
 To practice Professional Engineering
 in Newfoundland and Labrador.
 Permit No. as issued by APEGL 80082...
 which is valid for the year 2019.



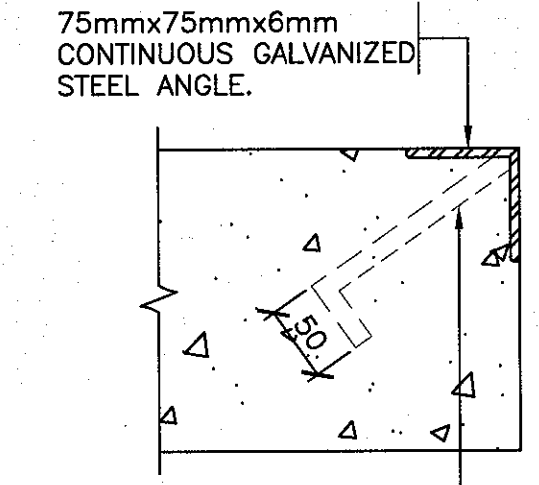
ELEVATION STEEL GUIDE RAIL
 SCALE: 1:50
 0m 1m 2m 3m 4m 5m



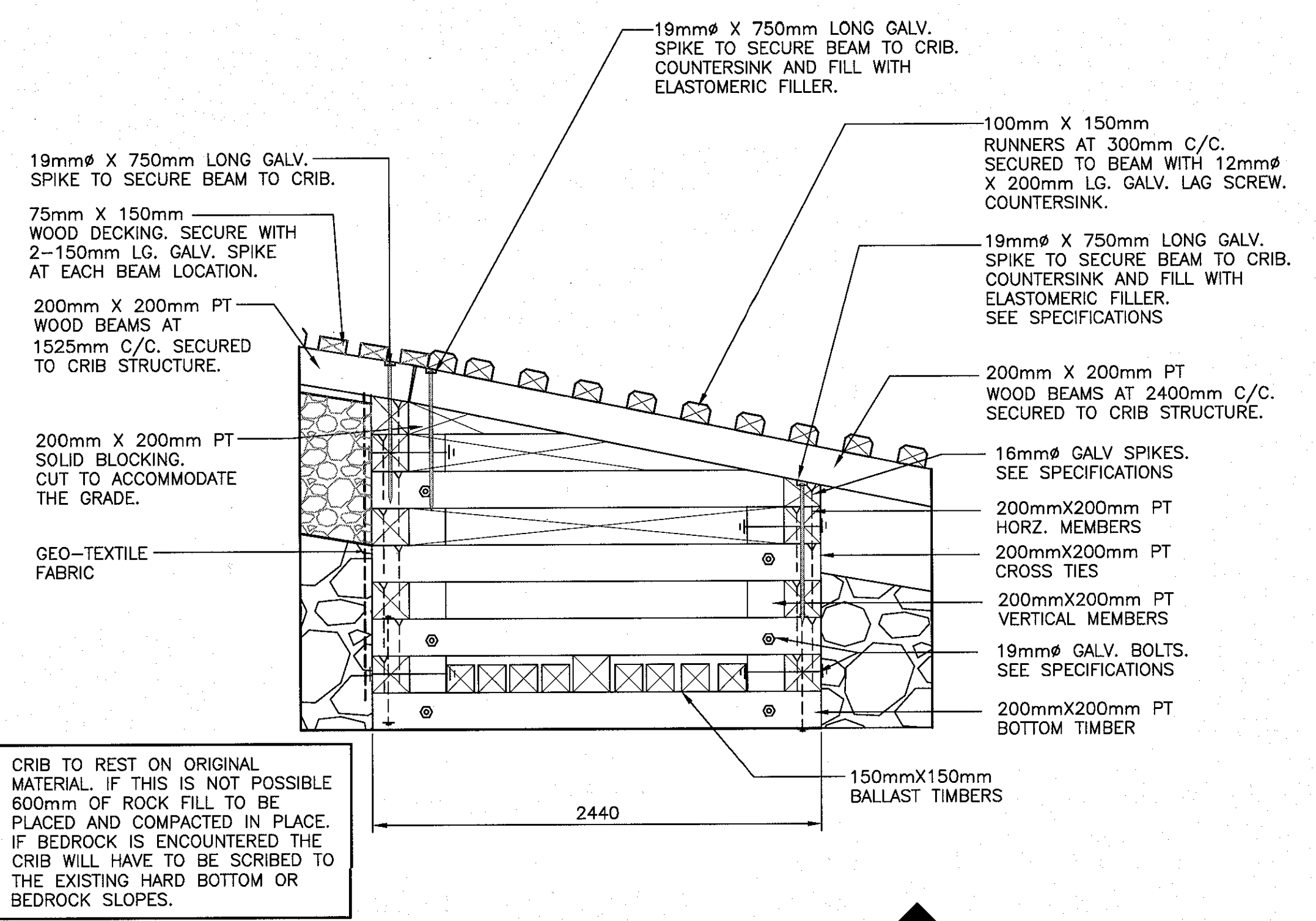
GUIDE RAIL SECTION
 SCALE: 1:10
 0mm 100 200 300 400 500 600 700 800 900 1000mm



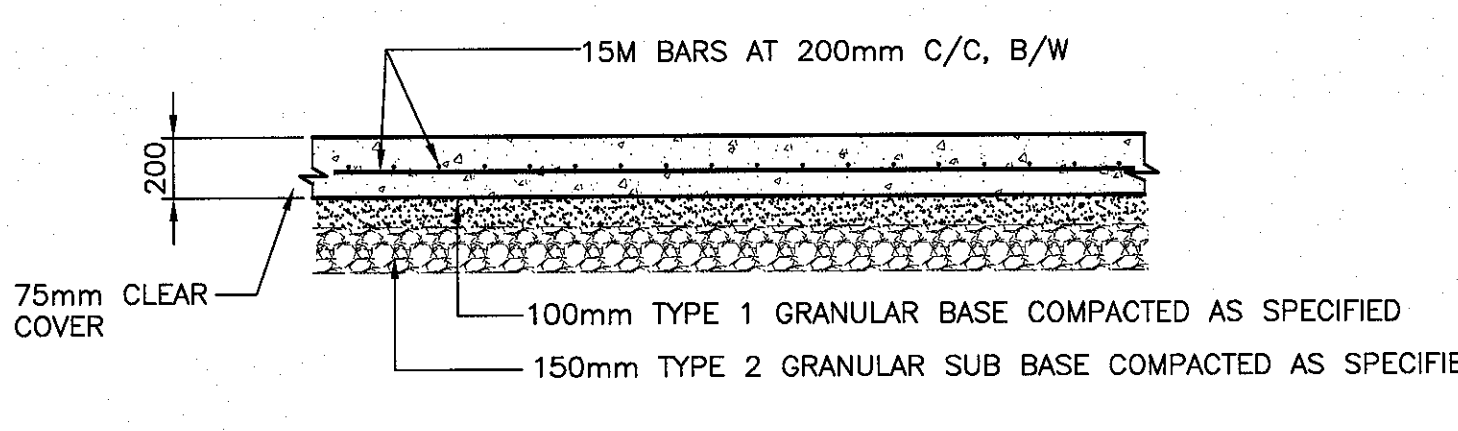
TYPICAL POST DETAIL
 SCALE: 1:25
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



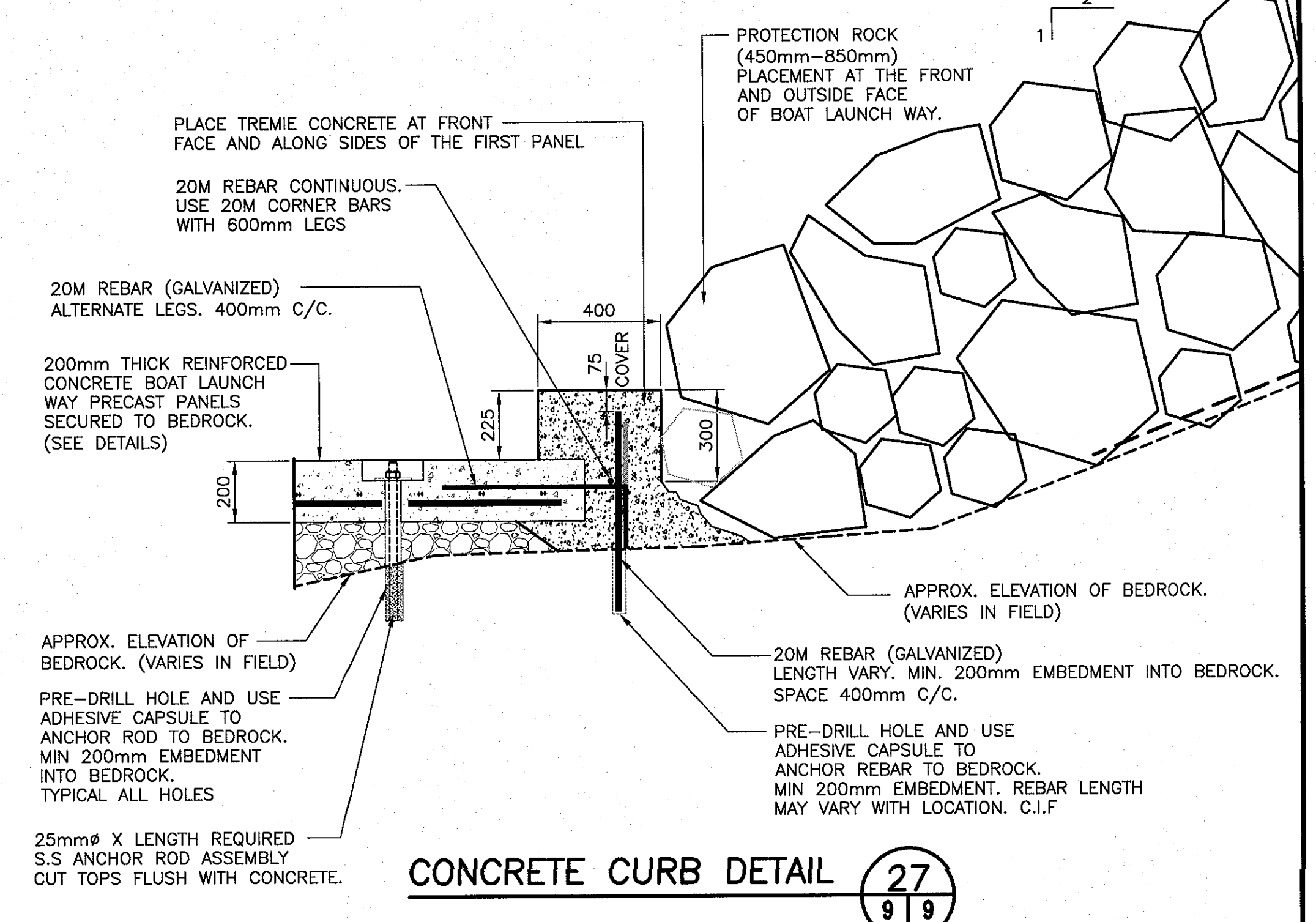
DETAIL - ANGLE EDGE
 SCALE: 1:5
 0mm 100mm 200mm 300mm 400mm 500mm
 29 4 9 29 5 9



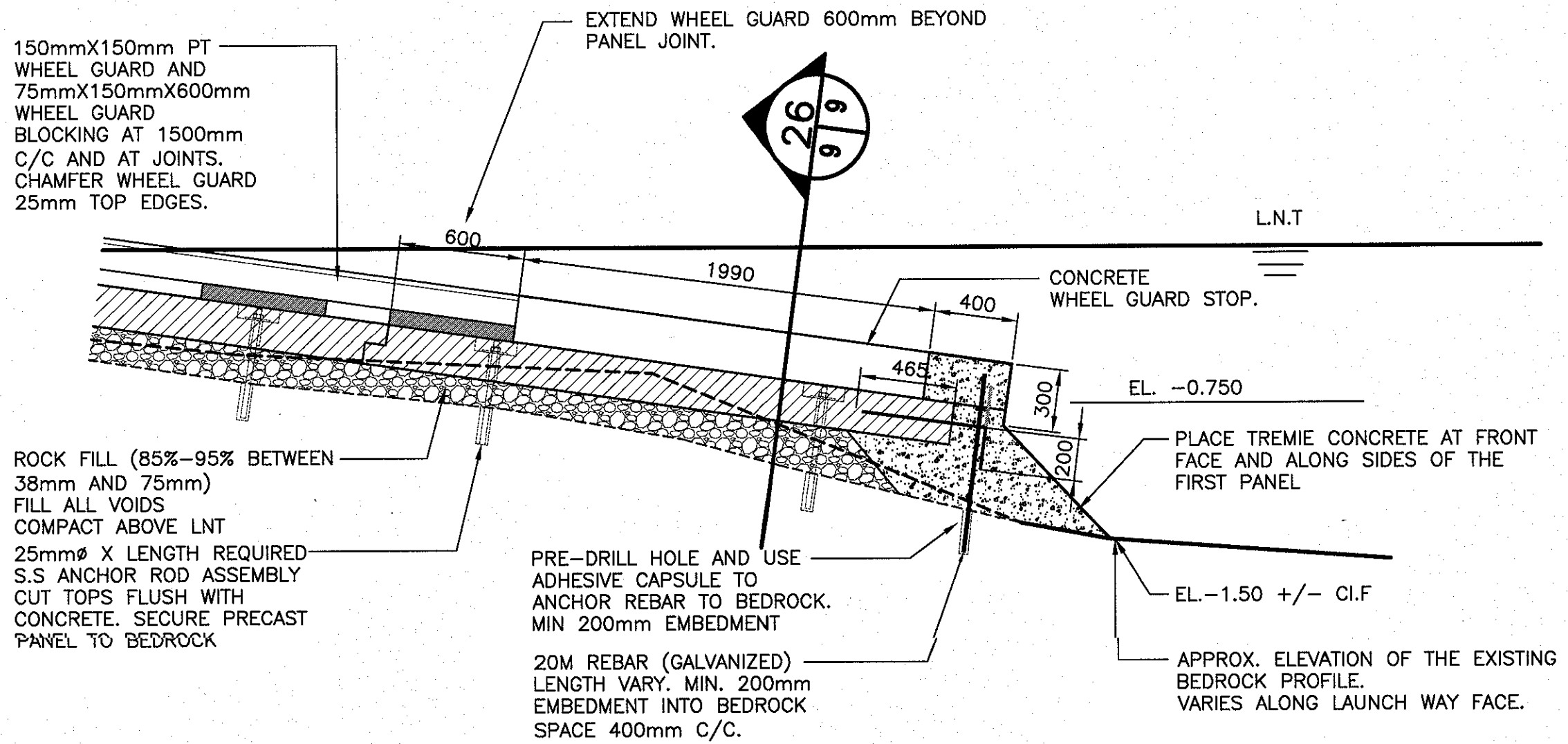
CRIB SECTION
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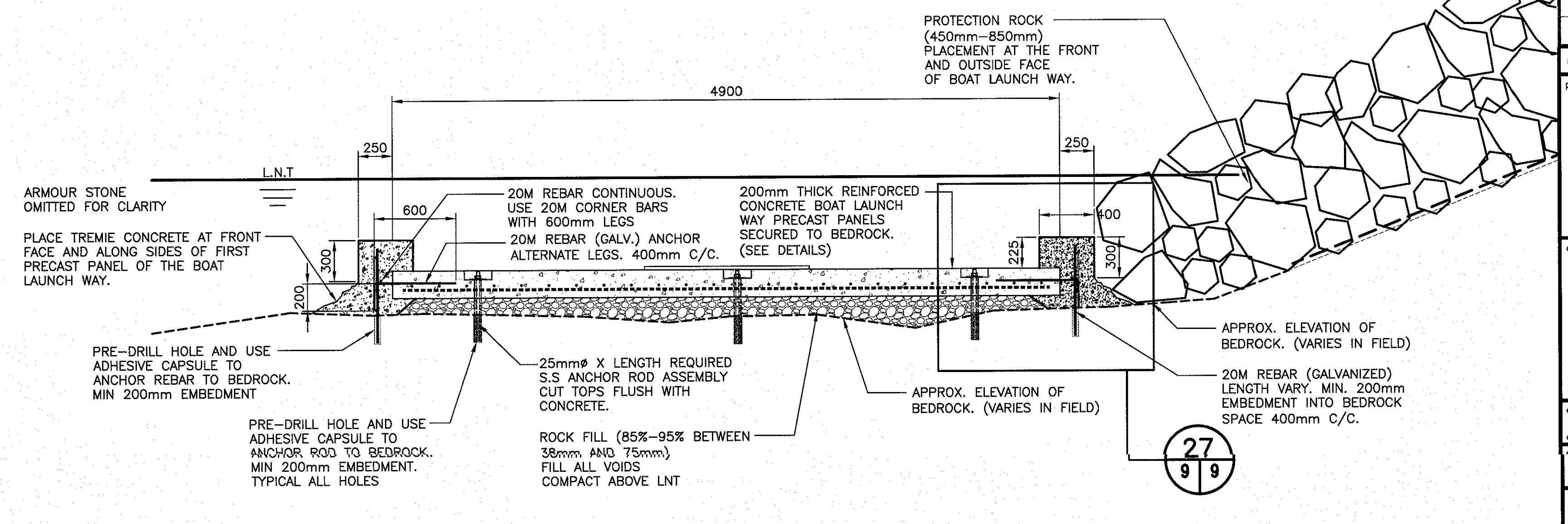
CONCRETE APRON REINFORCING DETAIL
 SCALE: 1:25
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



CONCRETE CURB DETAIL
 SCALE: 1:15
 0m 500mm 1000mm 1500mm



PRECAST PANEL CONCRETE CURB DETAIL
 SCALE: 1:25
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



PRE CAST PANEL CURB SECTION
 SCALE: 1:25
 0mm 500mm 1000mm 1500mm 2000mm 2500mm

ISSUED FOR TENDER	05/04/19
revisions	date
project	project
SLIPWAY RECONSTRUCTION RIVER OF PONDS, NL	
drawing	design
GUIDE RAIL DETAIL, CRIB SECTION AND PRECAST PANEL SECTION & DETAILS	
designed W.J. ANDERSON	concl
date APRIL 2019	design
drawn R.S.H	design
date APRIL 2019	approve
approved	approve
date	Source/Issn
Tender Paul Curran	
DRD Project Manager	
project number 722303	no. du projet
drawing no. 9 OF 9	no. du dessin