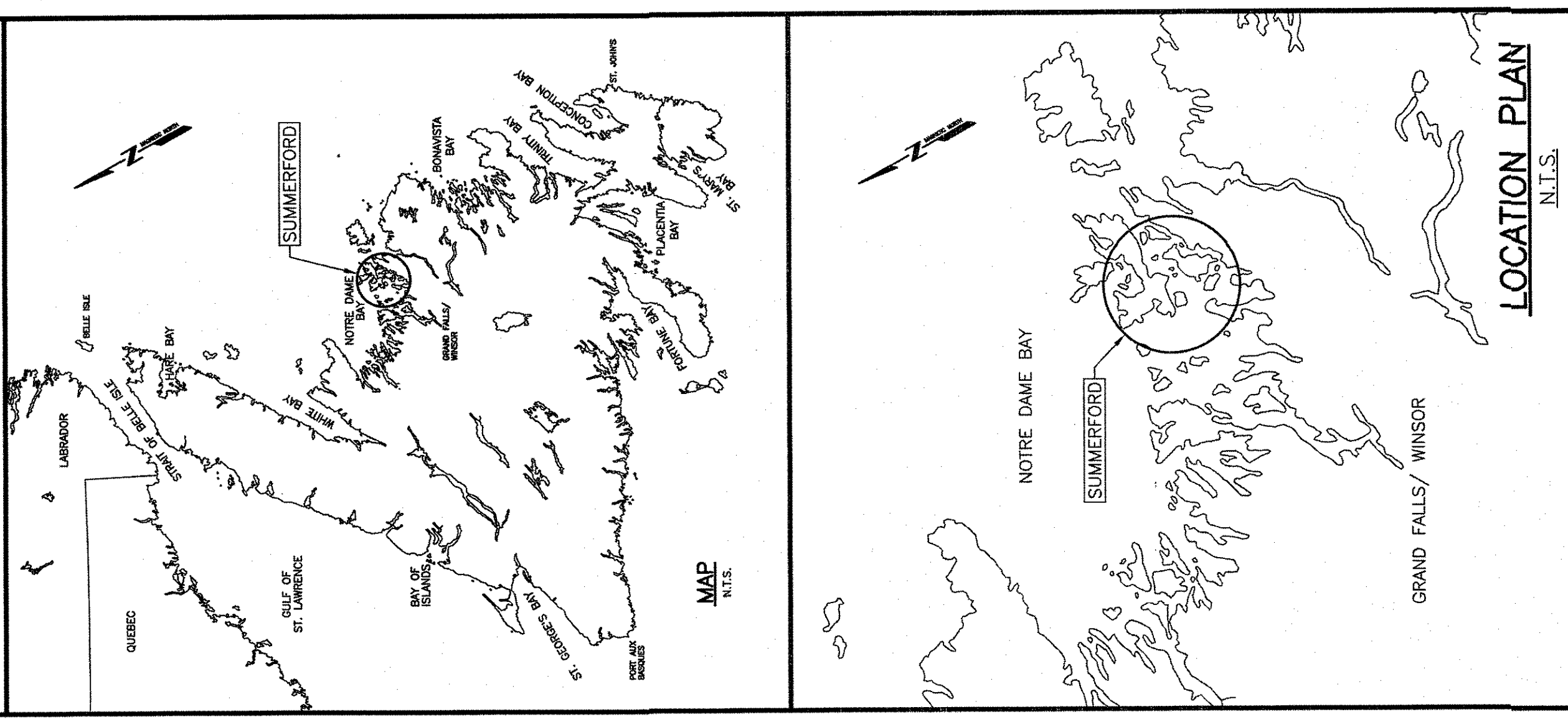
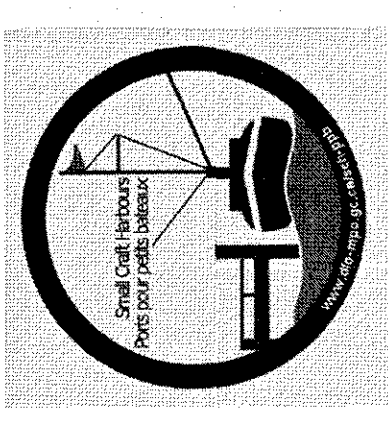


FISHERIES AND OCEANS  
CANADA

SMALL CRAFT HARBOURS



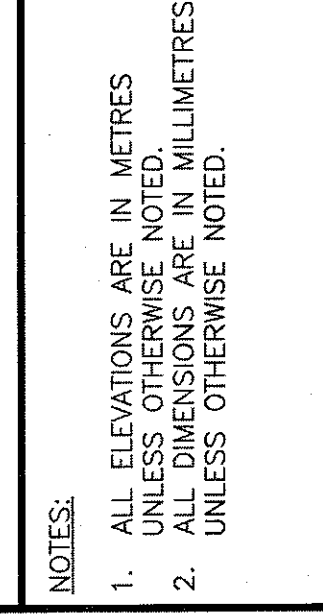
**ELECTRICAL INSTALLATION  
SUMMERFORD  
NEWFOUNDLAND AND LABRADOR**

**PROJECT No. 723249  
ISSUED FOR TENDER**

**LIST OF DRAWINGS:**

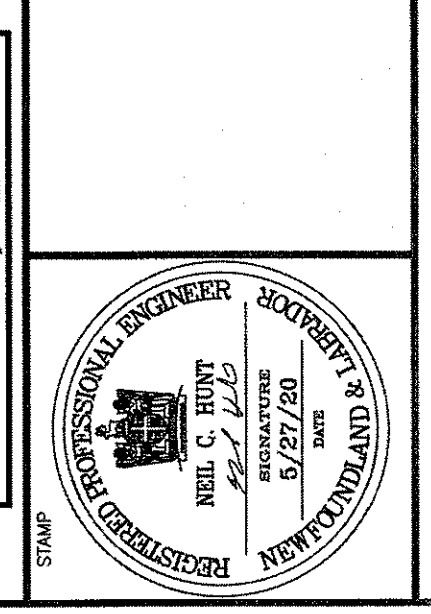
C1 OF 2	NEW SITE PLAN FOR PAVING
C2 OF 2	SECTIONS AND DETAIL
E1 OF 4	SITE PLAN/DEMOLITION LAYOUT
E2 OF 4	SITE PLAN – NEW ELECTRICAL LAYOUT
E3 OF 4	ELECTRICAL DETAILS
E4 OF 4	ELECTRICAL DETAILS





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

PROVINCE OF NEWFOUNDLAND  
PERMIT HOLDER  
This Permit Allows  
APN ENGINEERING INC.  
APN Engineering Inc. is a member of the Professional Engineers and Technicians Association of Newfoundland and Labrador (AETNL) which is a member of the Engineering Council of Canada (ECC).



revision	date	project
B	ISSUED FOR TENDER 5/27/20	
A	ISSUED FOR REVIEW 5/9/20	

**ELECTRICAL INSTALLATION**  
**SUMMERFORD, NL**

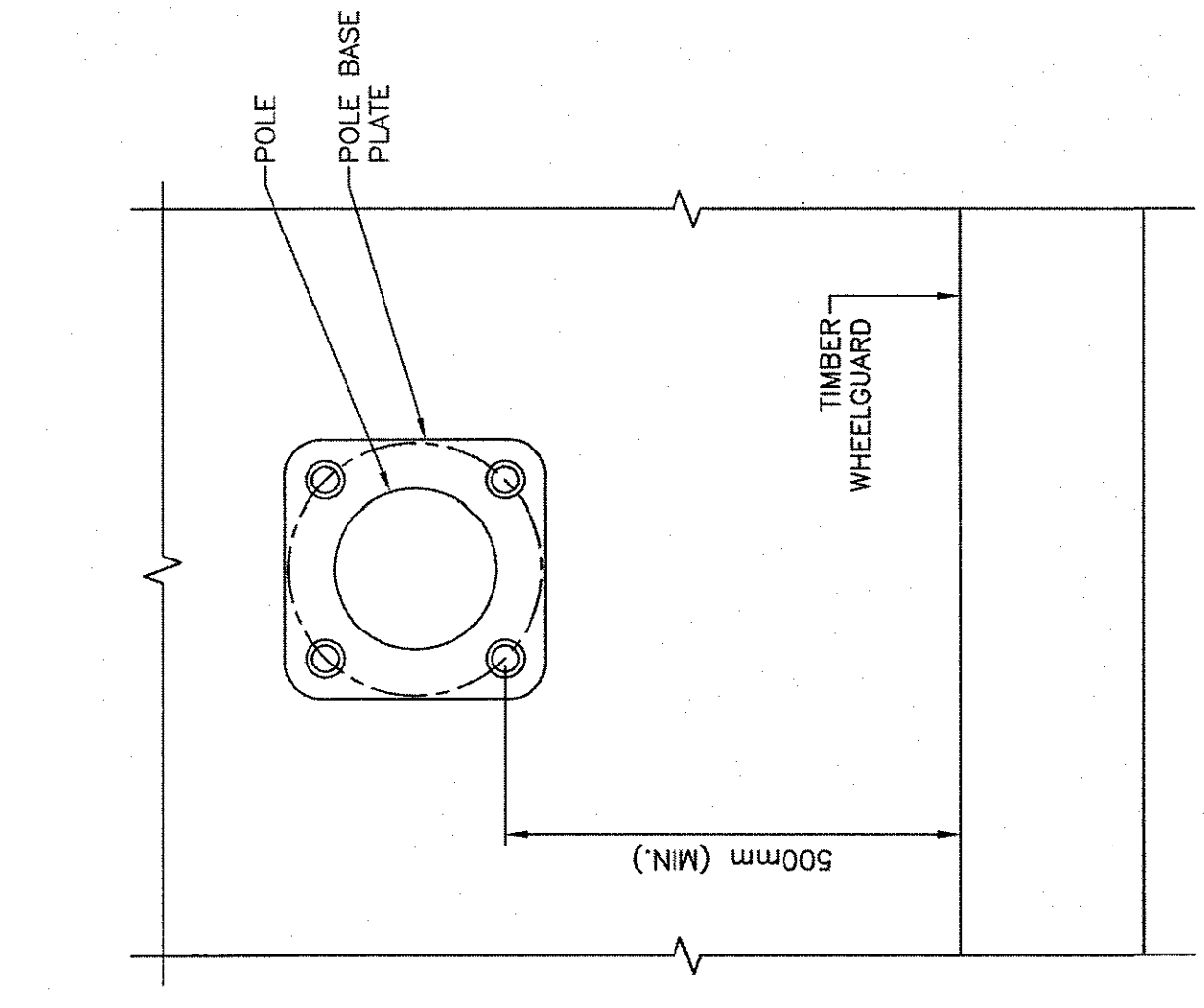
drawing no. design

**SECTIONS AND DETAIL**

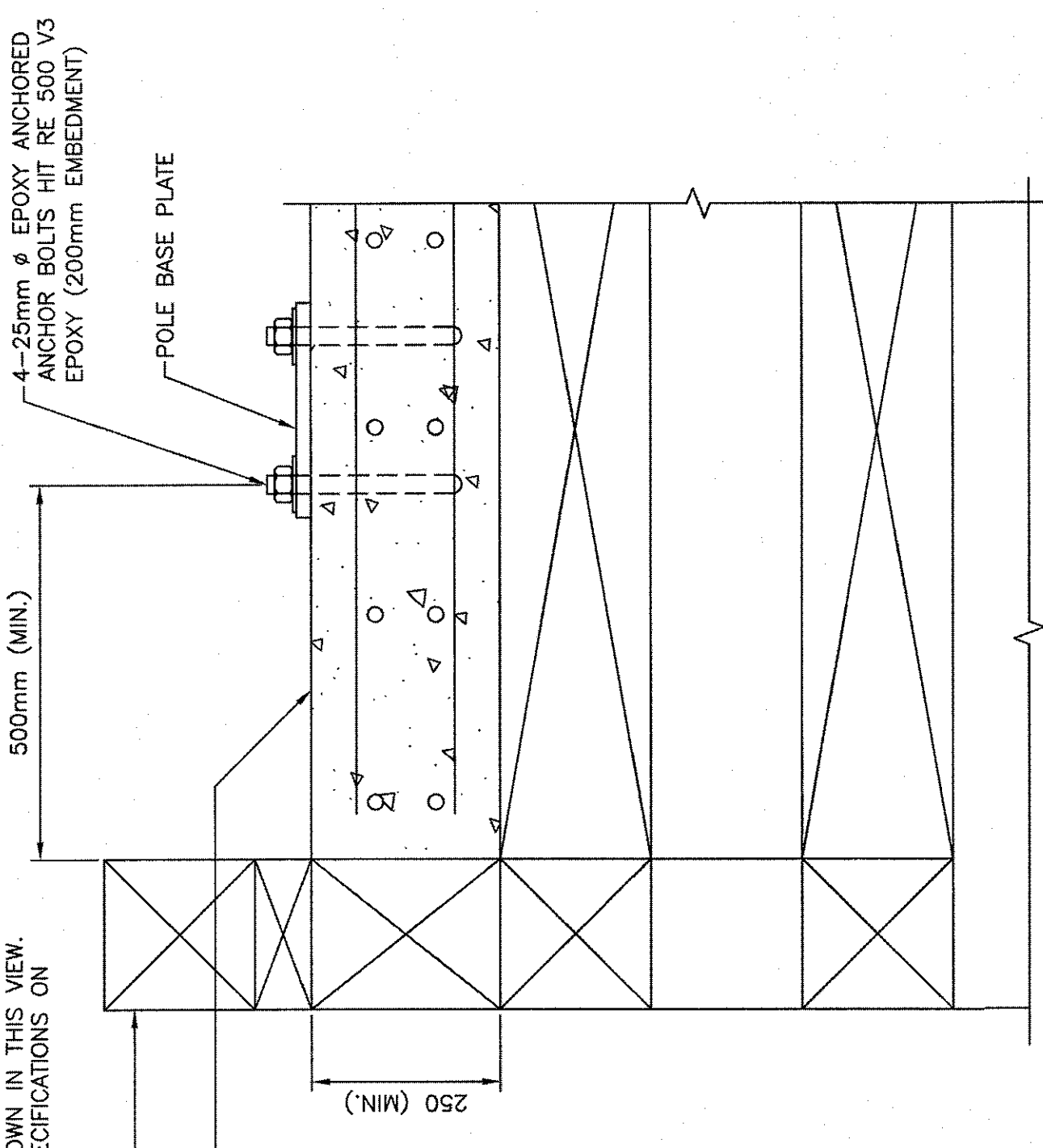
designed N.H.	checked
date MAY 27, 2020	
drawn P.H.	date
date MAY 27, 2020	
approved	approval
by <i>Paul Curran</i>	Signature
title Project Manager	no. of pages
723249	2
drawing no.	no. of sheets
C2	

**POLE SPECIFICATIONS**

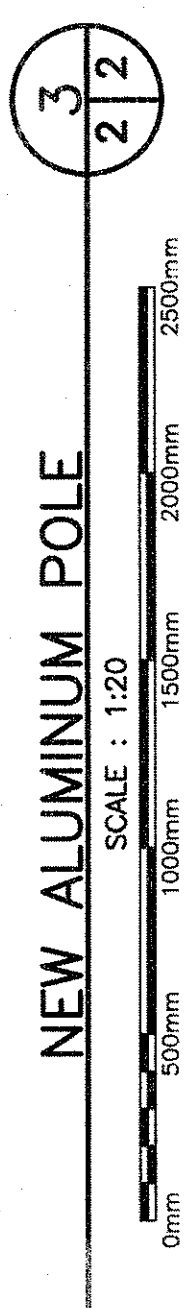
- POLE AND SWAY ARMS AND ALL ASSOCIATED LIGHTS AND ELECTRICAL SHALL BE INSTALLED BY CONTRACTOR. SUPPLY POLE, SWAY ARM AND LIGHTS WHICH IS TO BE PICKED UP BY THE CONTRACTOR AT DFO WAREHOUSE IN MOUNT PEARL POLE TO BE FABRICATED FROM 6063-T4 SEAMLESS ALUMINUM TAPERED ALUMINUM. POLE TOP DIAMETER IS 4 INCHES AND POLE BASE DIAMETER IS 7 INCHES. POLE TO BE COMPLETE WITH ALL NECESSARY HARDWARE. STANDARD OF ACCEPTANCE IS NAPA POLE INDUSTRIES INC. OR APPROVED EQUIVALENT.



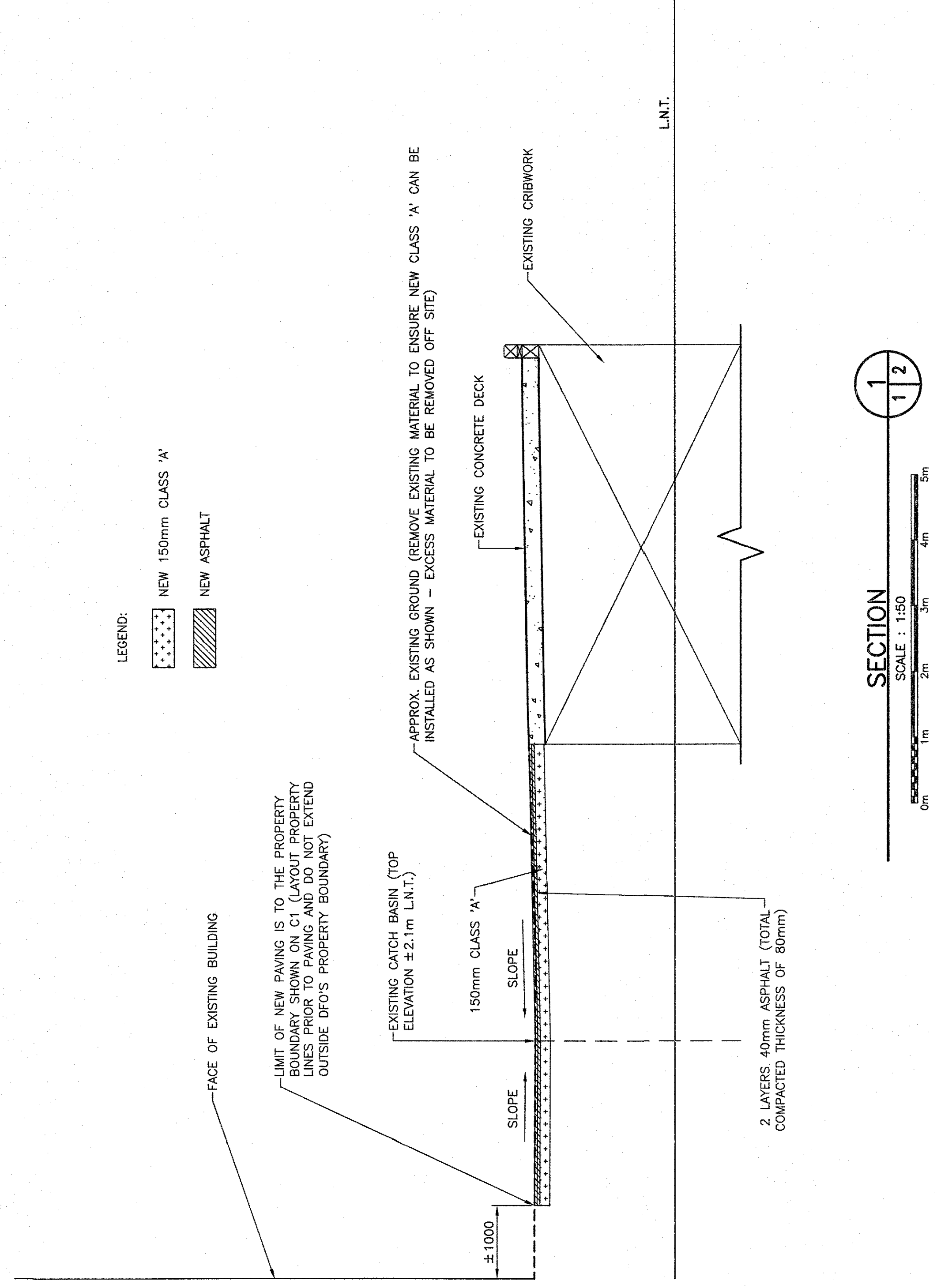
**NOTE:**  
1. POLE NOT SHOWN IN THIS VIEW. SEE POLE SPECIFICATIONS ON THIS PAGE.



**SECTION**

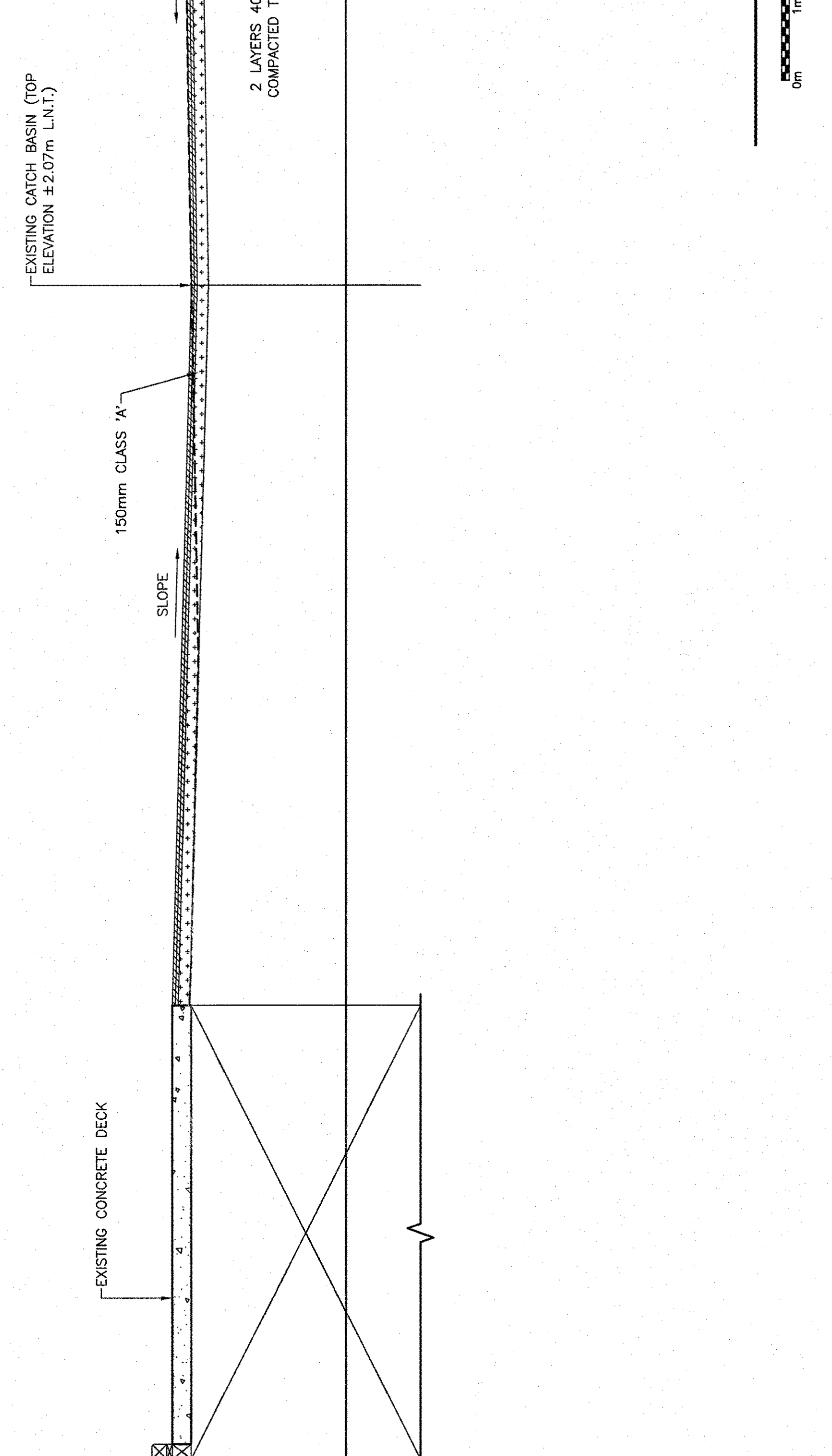


**NEW ALUMINUM POLE**  
SCALE: 1:20



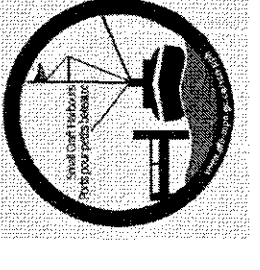
**SECTION 1**  
SCALE: 1:50

**LEGEND:**  
NEW 150mm CLASS 'A'  
NEW ASPHALT

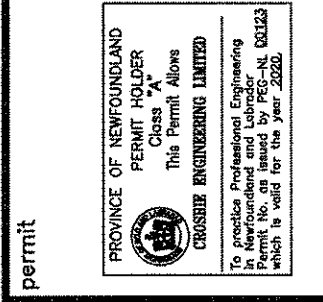
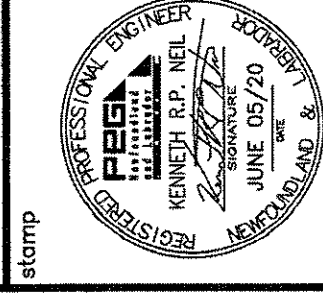


**SECTION 2**  
SCALE: 1:50

**LEGEND:**  
NEW 150mm CLASS 'A'  
NEW ASPHALT



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



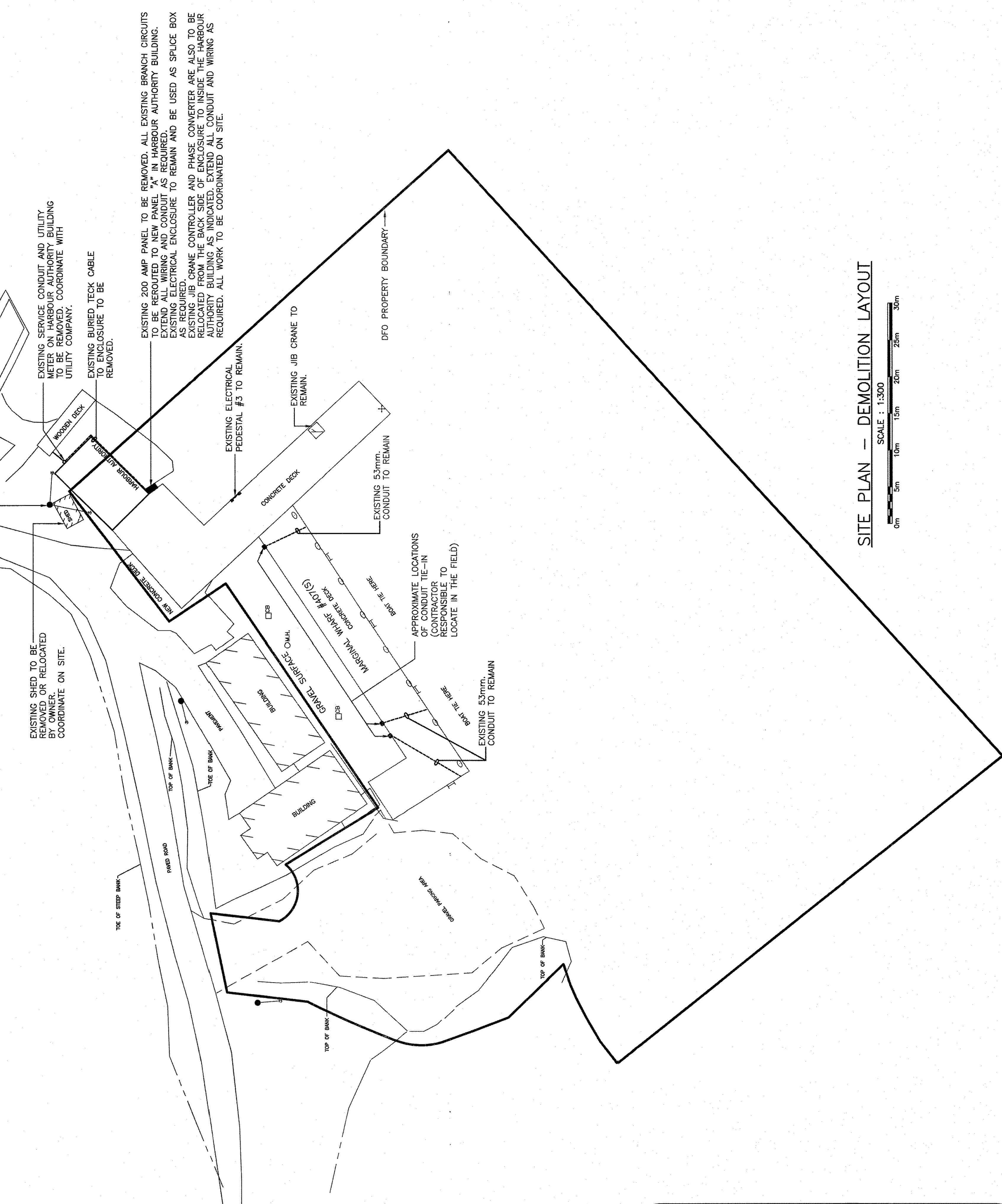
no.	description	date
0	ISSUED FOR TENDER	05/06/20
B	ISSUED FOR REVIEW	07/06/20
A	ISSUED FOR REVIEW	28/04/20
#	REVISION	05/04/17

project name  
**ELECTRICAL INSTALLATION**

client  
**SUMMERFORD, NL**

drawing number  
**SITE PLAN - DEMOLITION LAYOUT**

role	name	date
designed	K.N.	JUNE 2020
drawn	K.N.	JUNE 2020
checked		
approved		
client approved		
drawn by	<i>P. Pauline</i>	
checked by		
approved by		
revision		
no. of sheets		
sheet no.	<b>732249</b>	
drawing no.	<b>E1</b>	



SITE PLAN - DEMOLITION LAYOUT

SCALE : 1:300

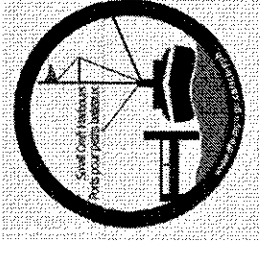
0m 5m 10m 15m 20m 25m 30m

**ELECTRICAL LEGEND**

- LIGHT POLE AND FIXTURES. SEE DETAIL ON DRAWING E3.
- ELECTRICAL PEDESTAL. SEE DETAILS ON DRAWING E3.
- JIB CRANE

**GENERAL NOTES:**

1. CONTRACTOR TO ASSESS WORK AREA IN ADVANCE WITH OWNER REPRESENTATIVE FOR COORDINATION OF RELATED DAILY WORK SCHEDULES, PARKING, BUILDING ACCESS, AND STORAGE OF EQUIPMENT.
2. WORK SHALL BE SCHEDULED DURING NORMAL WORKING HOURS CONTRACTOR MAY WORK AFTER NORMAL WORKING HOURS AS COORDINATED BY OWNER REPRESENTATIVE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP AND DISPOSALS OF WORK AREA ON A DAILY BASIS. AFTER EACH WORKING SHIFT BUILDING TO BE CLEANED AND FREE OF DEBRIS. BUILDING GARBAGE BINS ARE NOT TO BE USED.
4. ANY ELECTRICAL SYSTEM SHUTDOWN TO BE SCHEDULED AFTER NORMAL BUSINESS HOURS AND SHALL BE COORDINATED WITH OWNER REPRESENTATIVE. OWNER REPRESENTATIVE WILL BE GIVEN 5 WORKING DAYS NOTICE IS REQUIRED FOR ANY DISRUPTION.
5. WORK TO BE CARRIED OUT IN CONSIDERATION OF CLIENT COMFORT AND OPERATIONS.
6. ALL WIRING TO BE INSTALLED IN CONDUIT AS INDICATED.
7. ACCESS TO FACILITY TO BE COORDINATED WITH OWNER REPRESENTATIVE.
8. LABEL ALL EQUIPMENT WITH LAMACOID LABELS AS PER SPECIFICATION.
9. ALL EXISTING ELECTRICAL EQUIPMENT REMOVED TO BE TURNED OVER TO OWNER. OWNER REFUSES THEN CONTRACTOR TO REMOVE FROM SITE AND DISPOSE.



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

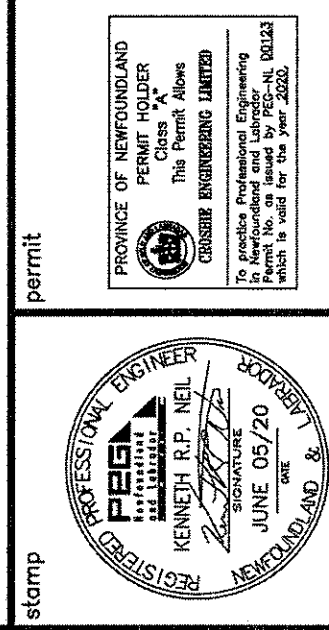
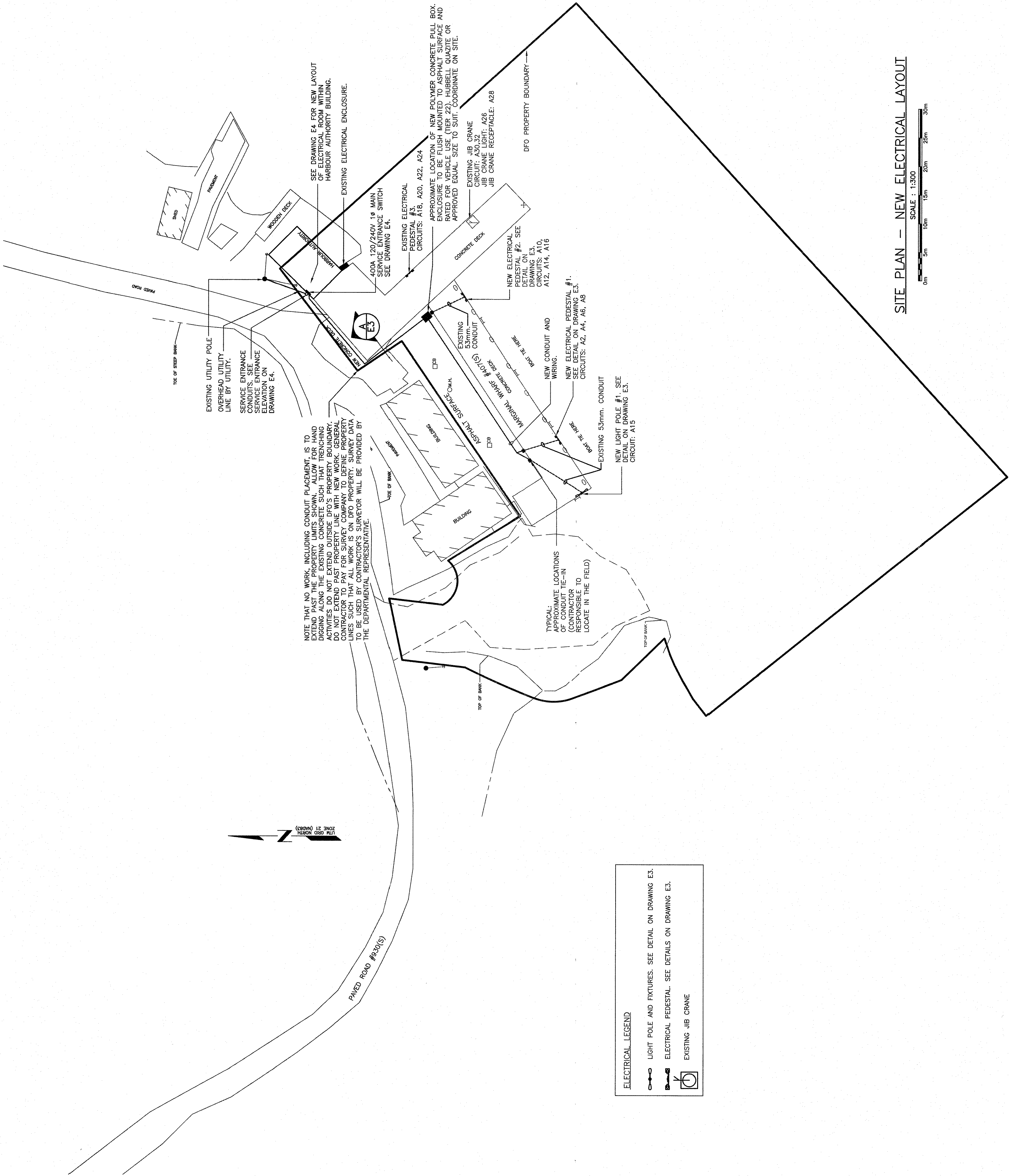


Table with 3 columns: Description, Date, and Status. Rows include: ISSUED FOR TENDER (05/06/20), ISSUED FOR REVIEW (07/06/20), ISSUED FOR REVIEW (28/04/20), REVISION (02/04/21)

ELECTRICAL INSTALLATION  
SUMMERFORD, NL

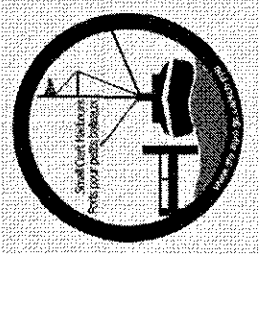
Table with 2 columns: Field, Value. Fields include: drawing (723249), design (K.N.), date (JUNE 2020), designer (K.N.), project (ELECTRICAL INSTALLATION SUMMERFORD, NL), title (SITE PLAN - NEW ELECTRICAL LAYOUT), approver (Paul K.N.), project number (723249), drawing no. (E2)



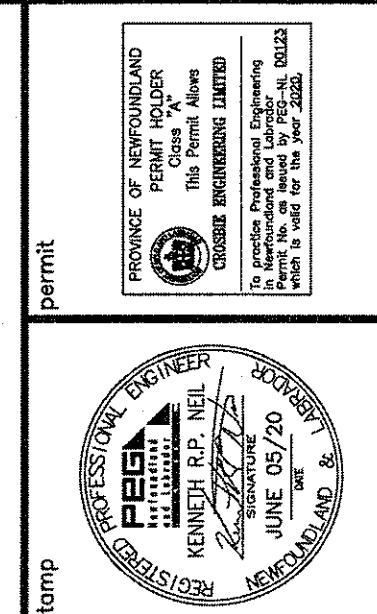
**ELECTRICAL LEGEND**  
○ ● ○ ○ ○ LIGHT POLE AND FIXTURES. SEE DETAIL ON DRAWING E3.  
○ ○ ○ ○ ELECTRICAL PEDESTAL. SEE DETAILS ON DRAWING E3.  
○ ○ ○ ○ EXISTING JIB CRANE

SITE PLAN - NEW ELECTRICAL LAYOUT  
SCALE : 1:300

SMALL CRAFT HARBOURS



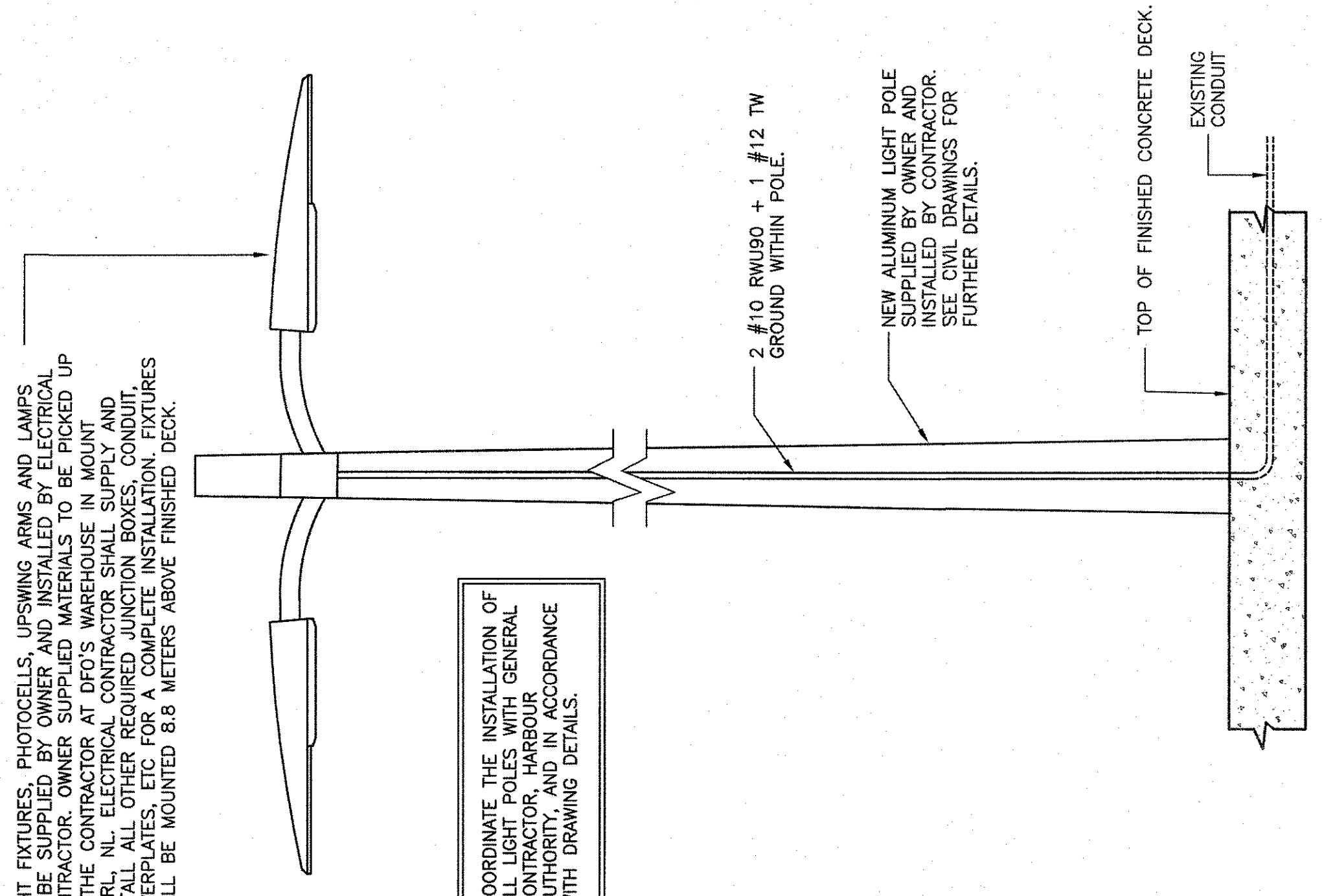
NOTES:  
1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.  
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.



0	ISSUED FOR TENDER	05/06/20
B	ISSUED FOR REVIEW	07/06/20
A	ISSUED FOR REVIEW	26/04/20
#	REVISION	00/00/00

project  
**ELECTRICAL INSTALLATION**  
**SUMMERFORD, NL**

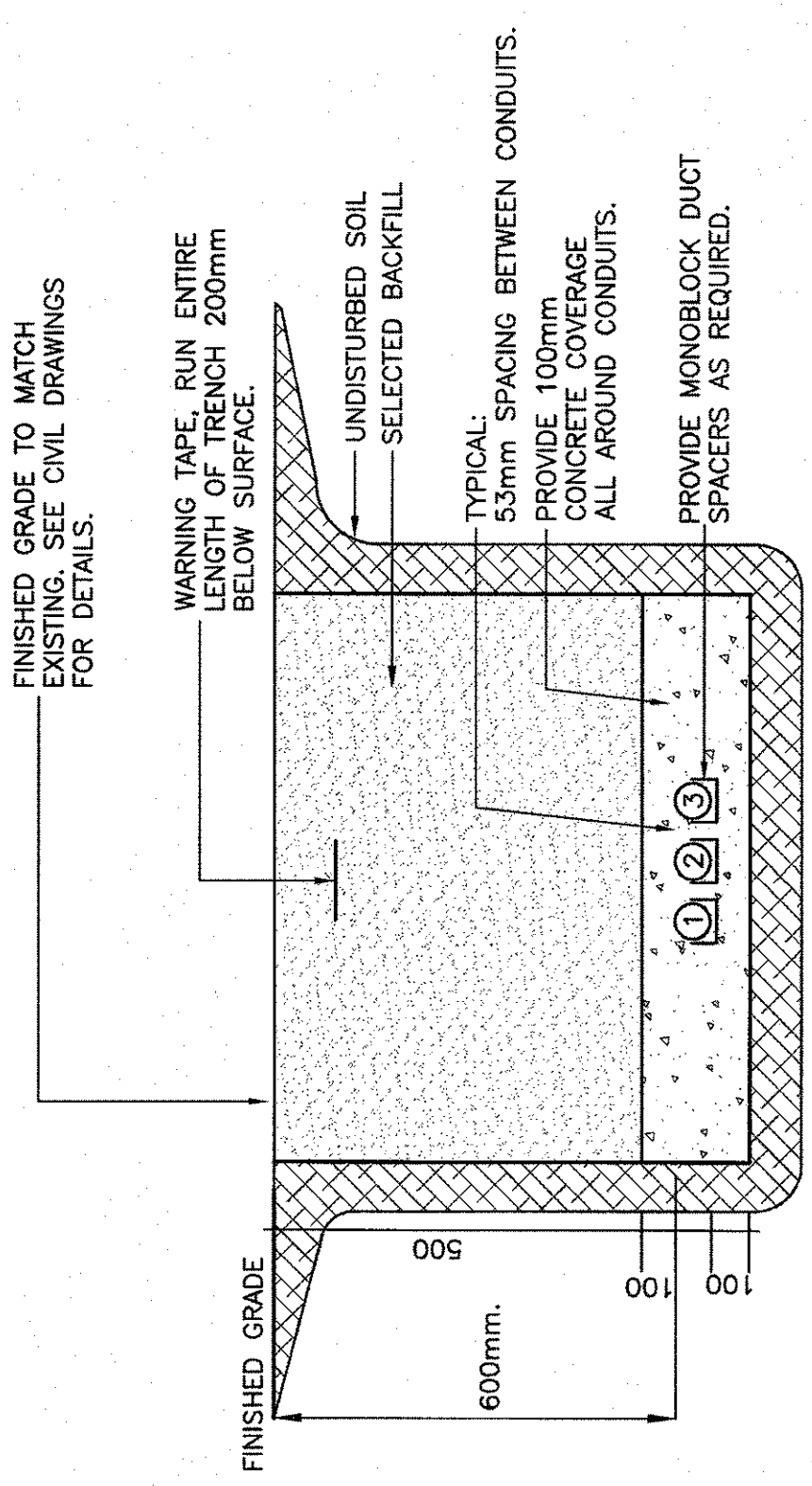
designed K.N.	checked
date JUNE 2020	date
drawn K.N.	date
approved	approved
Tender Paul Turner	Submission
PEB Project Manager	no. du projet
<b>723249</b>	<b>723249</b>
drawing no.	no. du dessin
<b>E3</b>	



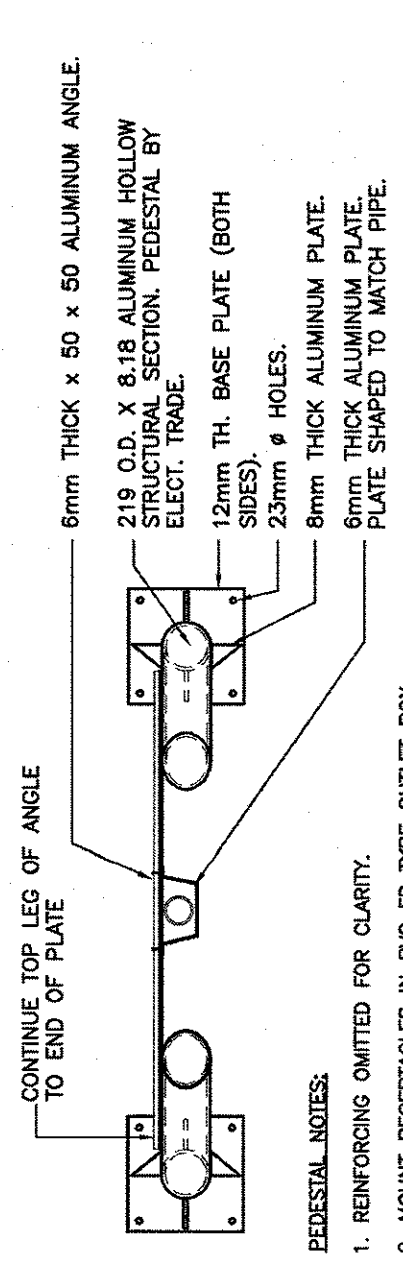
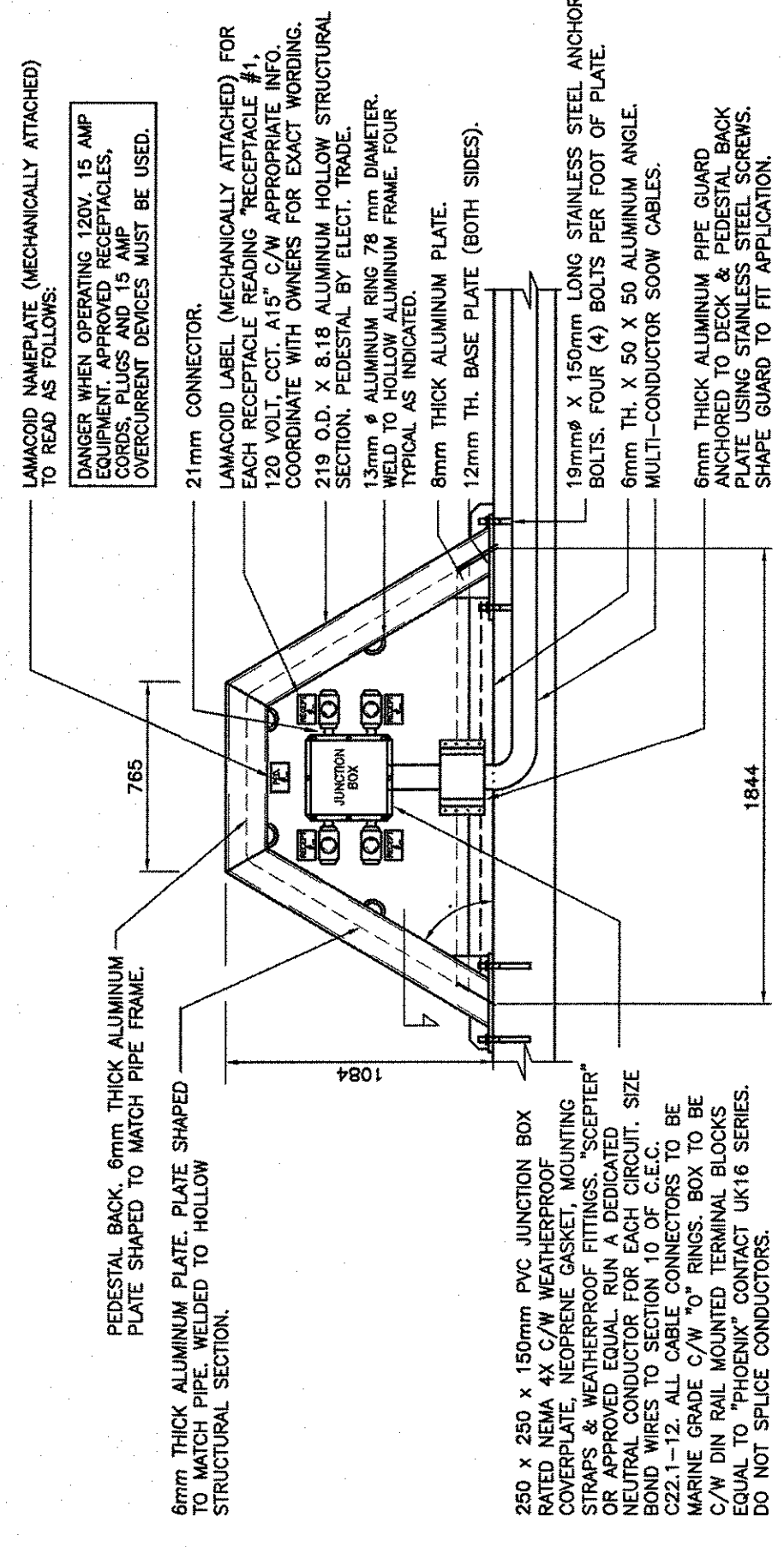
LIGHT POLE DETAIL  
N.T.S.

SYMBOL	UNDERGROUND WIRE AND CONDUIT SIZE
①	2 #10 RWU90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (LIGHT POLE #1)
②	8 #4 RWU90 + 1 #4 TW GROUND IN 53mm RIGID PVC CONDUIT (PEDESTAL #1)
③	8 #6 RWU90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (PEDESTAL #2)

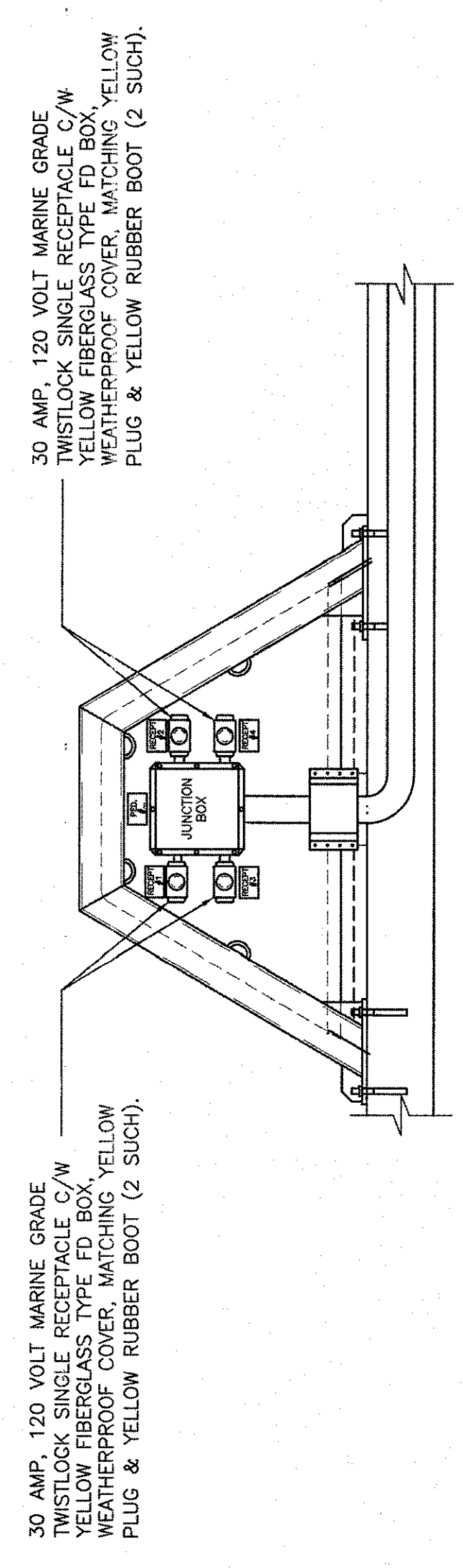
- TRENCHING NOTES:
1. ALL TRENCHES SHALL BE BACKFILLED WITH SELECTED BACKFILL AND TAMPED IN 300mm LAYERS, EXCEPT AT ROAD CROSSINGS WHERE THE BACKFILL SHALL BE THE SAME MATERIAL AS THE ROAD BED AND TAMPED IN 150mm LAYERS. EXCESS FILL SHALL BE PLACED ON TOP TO ALLOW FOR SETTLING.
  2. THE DUCTS SHALL BE SUPPORTED BY APPROVED SPACERS. NO WIRE OR METAL TIES TO BE USED.
  3. COPPER FISH WIRE MINIMUM #8 MUST BE INSTALLED IN ALL DUCTS.
  4. ELECTRICAL DUCT MUST BE RIGID PVC OR APPROVED EQUIVALENT.
  5. ALL DUCTS AND FITTINGS MUST BE CSA APPROVED.
  6. ALL DUCTS ARE TO BE SECURELY CAPPED AT BOTH ENDS.
  7. ALL FITTINGS, COUPLINGS AND ADAPTERS ARE TO BE SOLVENT WELD.



TRENCH DETAIL  
N.T.S.



TYPICAL ELECTRICAL PEDESTAL DETAIL  
SCALE : 1:20



ELECTRICAL PEDESTALS #1, #2  
NOT TO SCALE

