

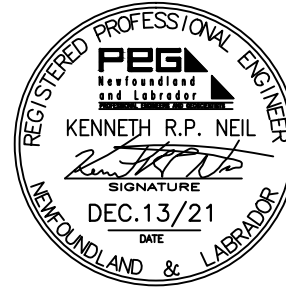
SMALL CRAFT HARBOURS



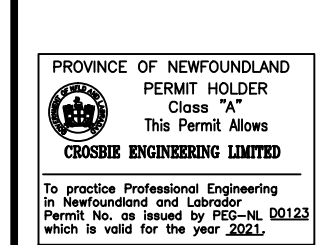
NOTES

- ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- DO NOT SCALE FROM DRAWINGS.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY PORTION OF THIS WORK.

stamp



permit



|   |                              |              |
|---|------------------------------|--------------|
| O | ISSUED FOR TENDER            | DEC 13 2021  |
| D | ISSUED FOR PRE-TENDER REVIEW | NOV 24 2021  |
| C | ISSUED FOR REVIEW            | AUG 24 2020  |
| B | ISSUED FOR REVIEW            | JUNE 11 2020 |
| A | ISSUED FOR REVIEW            | MAY 21 2020  |

| revisions |  | date    |
|-----------|--|---------|
| project   |  | project |

WHARF  
RECONSTRUCTION

HARBOUR GRACE, NL

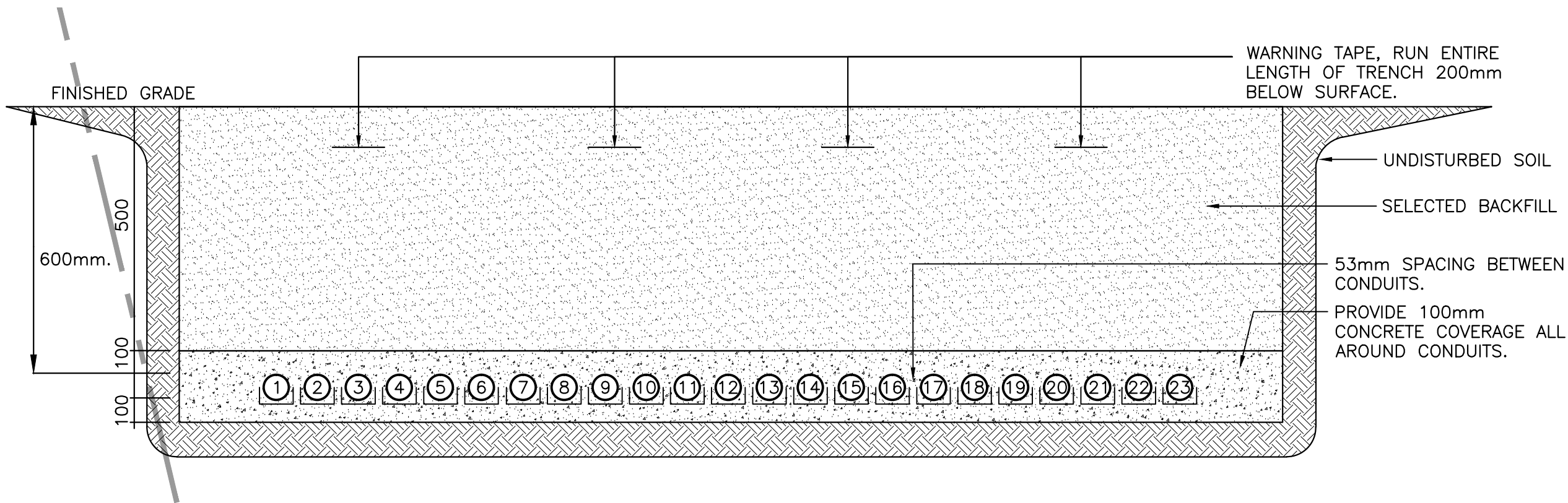
TRENCH DETAILS

|                     |                    |               |
|---------------------|--------------------|---------------|
| designed            | K. NEIL            | concu         |
| date                | DECEMBER 2021      |               |
| drawn               | K. NEIL            | dessine       |
| date                | DECEMBER 2021      |               |
| approved            |                    | approuve      |
| Tender              | <i>Paul Curran</i> | Soumission    |
| DFO Project Manager |                    |               |
| project number      | C2-00201           | no. du projet |
| drawing no.         | E4                 | no. du dessin |

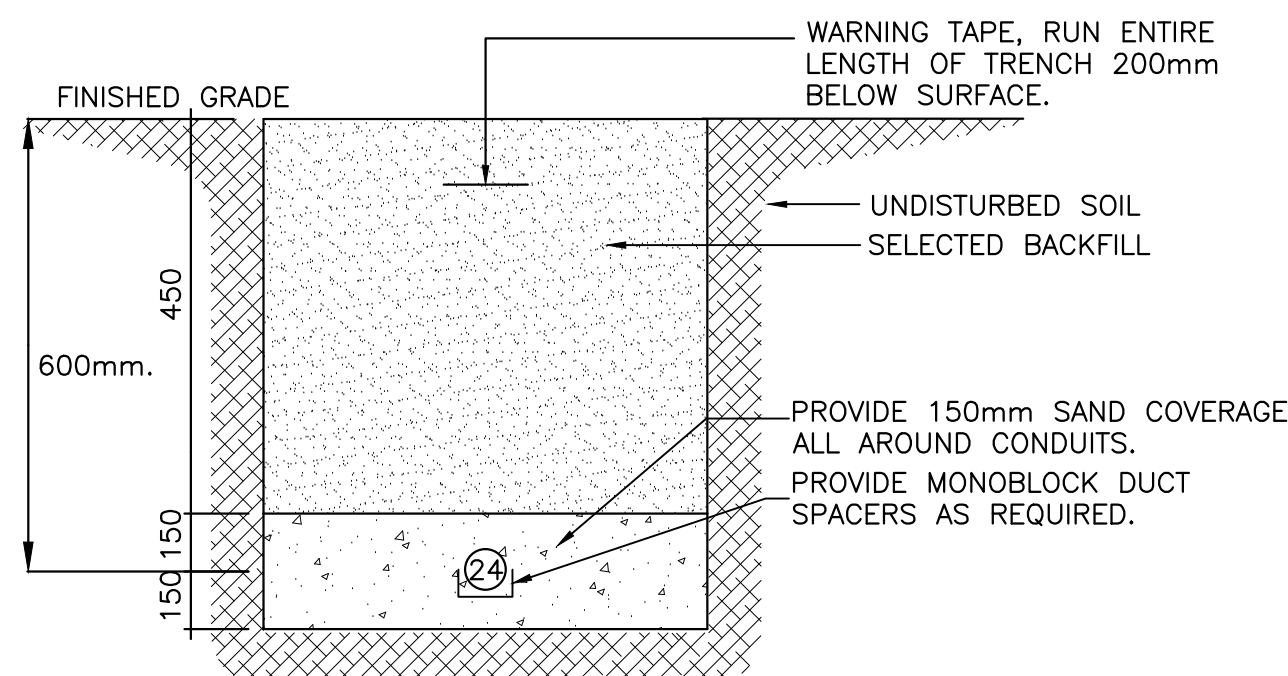
| SYMBOL | UNDERGROUND WIRE AND CONDUIT SIZE  |
|--------|--|
| ①      | 3 #4 RW90 + 4 #2 RW90 + 2 #3 RW90 + 1 #2 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #1)               |
| ②      | 6 #12 RW90 + 4 #10 RW90 + 4 #6 RW90 + 2 #12 TW GROUND + 1 #8 TW GROUND IN 53mm RIGID PVC CONDUIT (JIB CRANE) |
| ③      | 3 #3 RW90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #2 – 50A 120/240V RECEIPT)                |
| ④      | 5 #4 RW90 + 4 #3 RW90 + 1 #3 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #2)                           |
| ⑤      | 2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (NEW LIGHT POLE #1)                                   |
| ⑥      | 5 #6 RW90 + 4 #4 RW90 + 1 #4 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #3)                           |
| ⑦      | 2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (NEW LIGHT POLE #2)                                   |
| ⑧      | 5 #8 RW90 + 4 #6 RW90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #4)                           |
| ⑨      | 2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (NEW LIGHT POLE #3)                                   |
| ⑩      | 5 #8 RW90 + 4 #6 RW90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #5)                           |
| ⑪      | 2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (NEW LIGHT POLE #5)                                   |
| ⑫      | 5 #6 RW90 + 4 #4 RW90 + 1 #4 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #7)                           |
| ⑬      | 2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (NEW LIGHT POLE #6)                                   |
| ⑭      | 3 #3 RW90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #9 – 50A 120/240V RECEIPT)                |
| ⑮      | 5 #4 RW90 + 4 #3 RW90 + 1 #3 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #9)                           |
| ⑯      | 2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (NEW LIGHT POLE #7)                                   |
| ⑰      | 5 #4 RW90 + 4 #2 RW90 + 1 #2 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #11)                          |
| ⑱      | 3 #4 RW90 + 4 #1 RW90 + 2 #3 RW90 + 1 #1 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #12)              |
| ⑲      | 5 #4 RW90 + 4 #3 RW90 + 1 #3 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #10)                          |
| ⑳      | 3 #4 RW90 + 1 #8 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #8 – 50A 120/240V RECEIPT)                |
| ㉑      | 5 #6 RW90 + 4 #4 RW90 + 1 #4 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #8)                           |
| ㉒      | 2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (NEW LIGHT POLE #4)                                   |
| ㉓      | 5 #6 RW90 + 4 #4 RW90 + 1 #4 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #6)                           |
| ㉔      | 6 #4 RW90 + 1 #4 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #13)                                      |

TRENCHING NOTES:

- 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.
- THE DUCTS SHALL BE SUPPORTED BY APPROVED SPACERS. NO WIRE OR METAL TIES TO BE USED.
- COPPER FISH WIRE MINIMUM #8 MUST BE INSTALLED IN ALL DUCTS.
- ELECTRICAL DUCT MUST BE RIGID PVC OR APPROVED EQUIVALENT.
- ALL DUCTS AND FITTINGS MUST BE CSA APPROVED.
- ALL DUCTS ARE TO BE SECURELY CAPPED AT BOTH ENDS.
- ALL FITTINGS, COUPLINGS AND ADAPTERS ARE TO BE SOLVENT WELD.



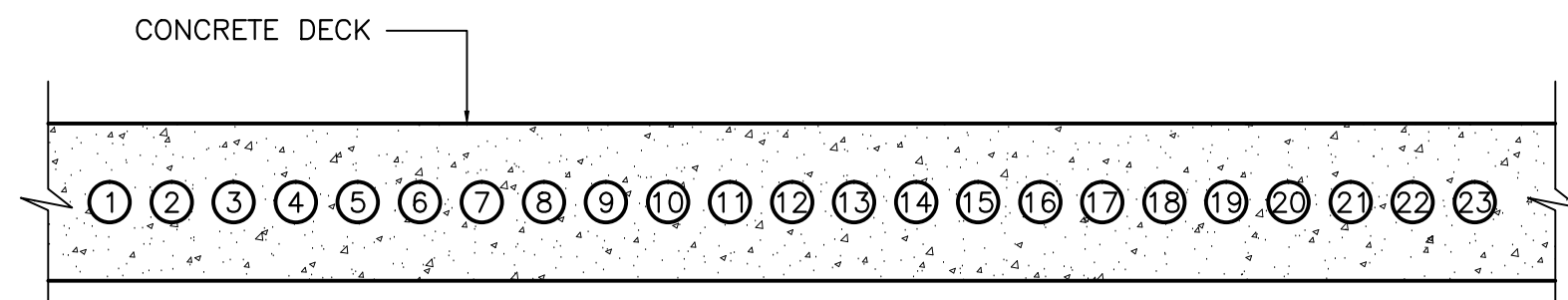
TRENCH DETAIL A  
N.T.S.



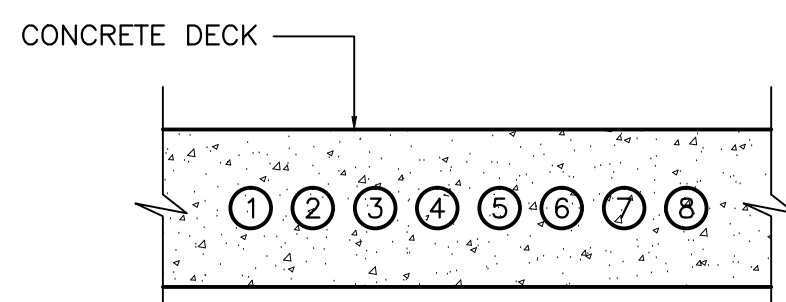
TRENCH DETAIL G  
N.T.S.

NOTES:

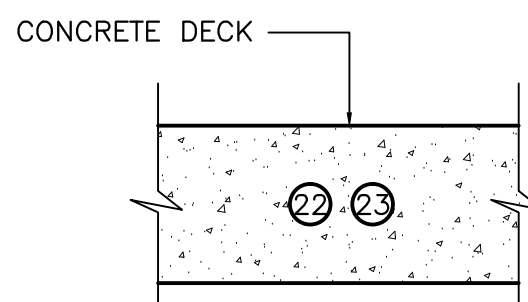
- CONDUIT LOCATIONS ARE APPROXIMATE ONLY. ACTUAL CONDUIT LOCATIONS TO BE COORDINATED ON SITE.
- STEEL REINFORCEMENT OMITTED FOR CLARITY. SEE CIVIL DRAWINGS FOR DETAILS.



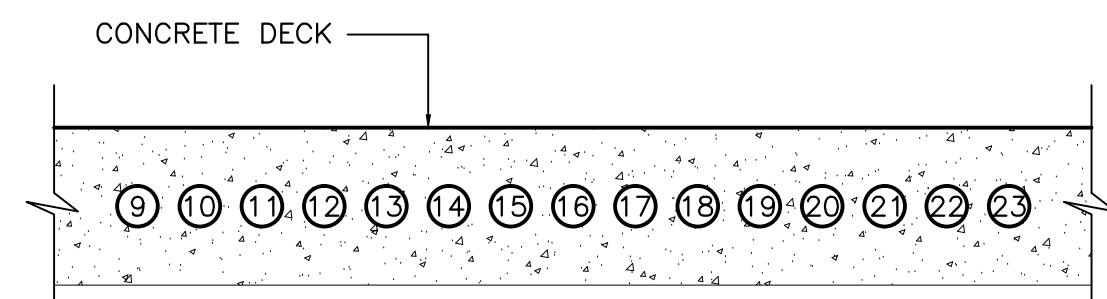
TRENCH DETAIL B  
N.T.S.



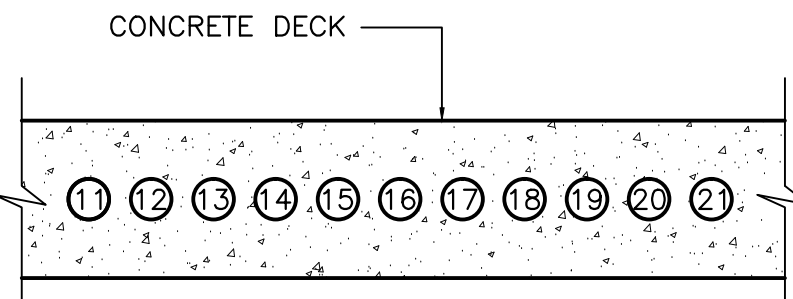
TRENCH DETAIL C  
N.T.S.



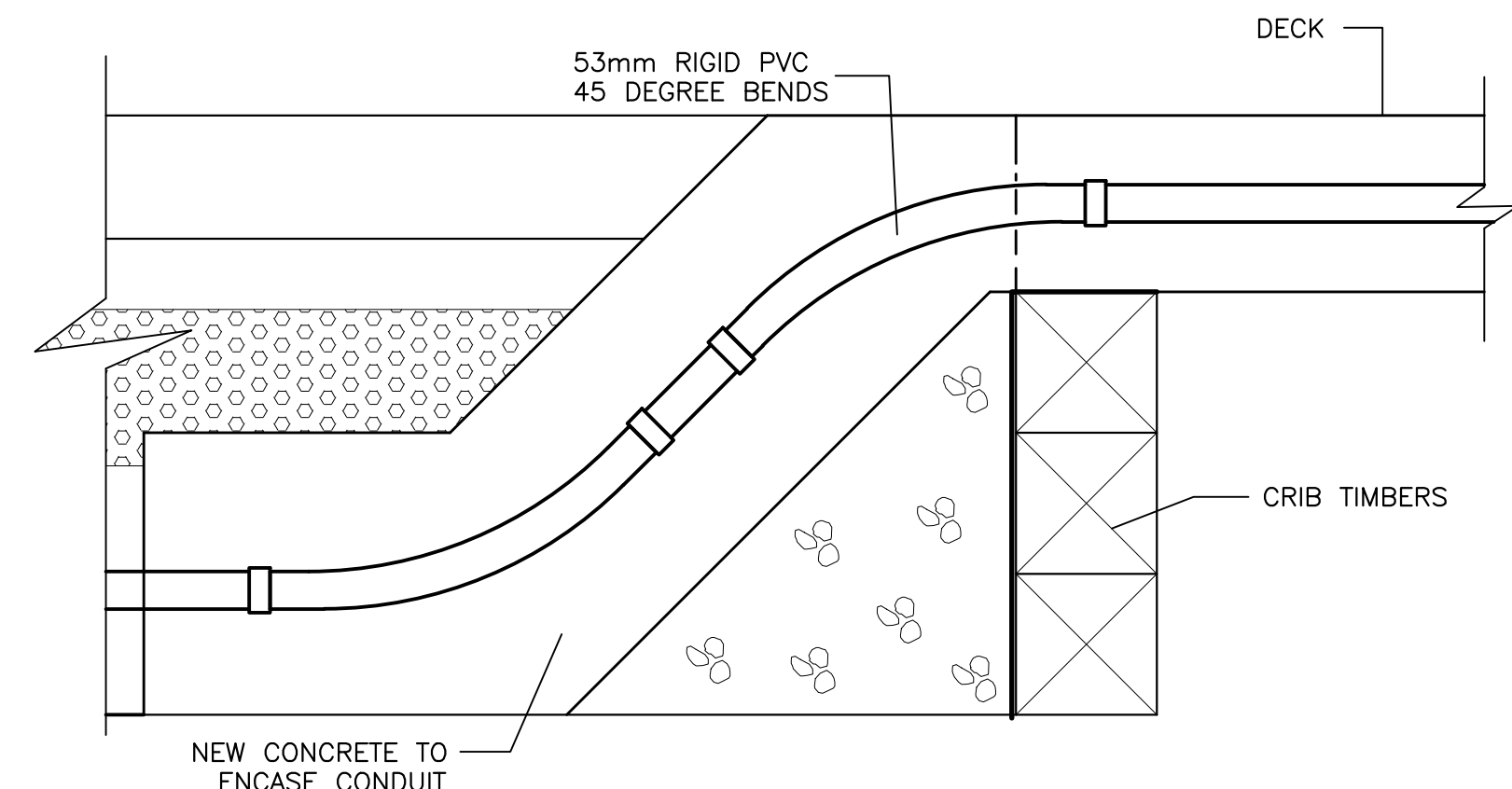
TRENCH DETAIL E  
N.T.S.



TRENCH DETAIL D  
N.T.S.



TRENCH DETAIL F  
N.T.S.



ELECTRICAL CONDUIT TO CONCRETE DECK DETAIL  
N.T.S.