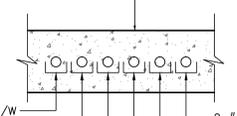


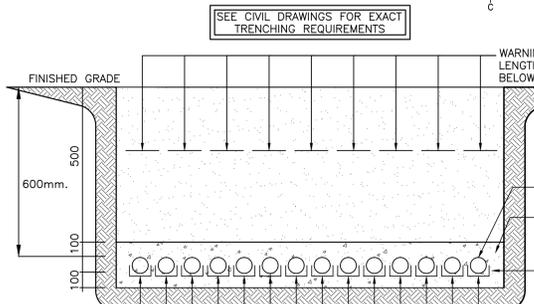
- NOTES:**
- CONDUIT LOCATIONS ARE APPROXIMATE ONLY.
 - STEEL REINFORCEMENT OMITTED FOR CLARITY. SEE CIVIL DRAWINGS FOR DETAILS.

SEE CIVIL DRAWINGS FOR EXACT TRENCHING REQUIREMENTS



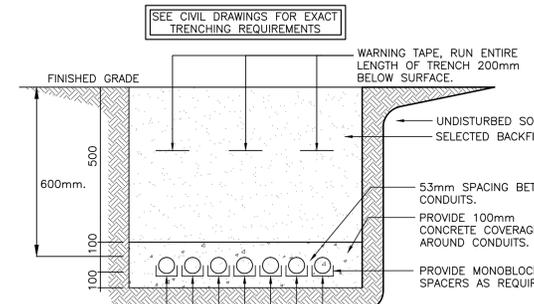
- 53mm RIGID PVC CONDUIT C/W PULL ROPE (SPARE)
- 3 #2/0 RW90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #1: 150A & 100A RECEPTACLES)
- 4 #4 RW90 + 2 #6 RW90 + 3 #8 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #1: 30A AND 20A RECEPTACLES)
- 2 #10 RW90 + 1 #12 TW GROUND IN 53mm RIGID PVC CONDUIT (LIGHT POLE #2)
- 2 #10 RW90 + 1 #12 TW GROUND IN 53mm RIGID PVC CONDUIT (LIGHT POLE #1)
- 53mm RIGID PVC CONDUIT C/W PULL ROPE (NEW PEDESTAL #1: COMMUNICATIONS)

TRENCH DETAIL A
SCALE : N.T.S.



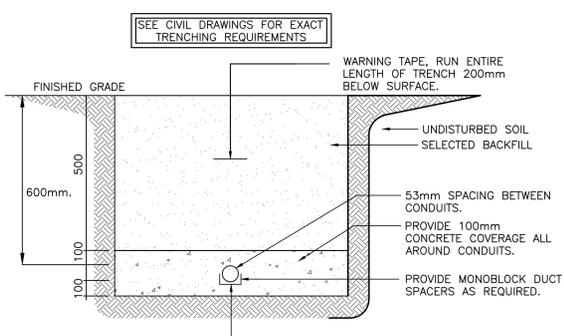
- ONE 41mm PVC CONDUIT FOR POWER CIRCUITS, CONTAINING 2#10AWG (RECEPTACLES), 2#10AWG (LIGHTING), 2#8AWG (HEATING), AND #10AWG BOND
- 12#12AWG + #12AWG BOND IN 41mm PVC CONDUIT FOR FIRE ALARM (OR AS REQUIRED BY SYSTEM MANUFACTURER)
- TWO (2) 2C#16AWG FOR SECURITY SYSTEM (OR AS REQUIRED BY SYSTEM MANUFACTURER) IN 27mm RIGID PVC CONDUIT
- ONE 27mm PVC CONDUIT CONTAINING 4#10 AWG + 2#10 AWG Cu. BOND FOR OVERFILL ALARM SYSTEM.
- 2#12AWG + #12AWG BOND IN 21mm PVC CONDUIT (EXISTING PEDESTAL)
- ONE CAT6 VOICE CABLE IN 21mm PVC CONDUIT (EXISTING PEDESTAL)
- 4#8AWG + 2#10AWG GND IN 27mm PVC CONDUIT (EXISTING PEDESTAL)
- 2#8AWG + #10 GND IN 27mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUIT (FUEL DISPENSER)
- 2C#18AWG SHIELDED TWISTED PAIR FOR LEAK DETECTION PLUS #2/0 FOR DIESEL TANK GROUND IN 27mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUIT (LEAK DETECTION/DIESEL TANK)
- 2C#18AWG SHIELDED TWISTED PAIR FOR LEAK DETECTION PLUS #2/0 AWG FOR WASTE OIL TANK GROUND IN 27mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUIT (LEAK DETECTION/WASTE OIL)
- 21mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUITS, 2#12 + #12 Cu. BOND (OVERFILL ALARM FLOAT SWITCHES)
- 21mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUITS, 2#12 + #12 Cu. BOND (OVERFILL ALARM FLOAT SWITCHES)
- ONE SPARE 53mm PVC CONDUIT (EXISTING PEDESTAL)
- 3#3AWG + #6AWG GND IN 41mm PVC CONDUIT (EXISTING PEDESTAL)

TRENCH DETAIL B
SCALE : N.T.S.

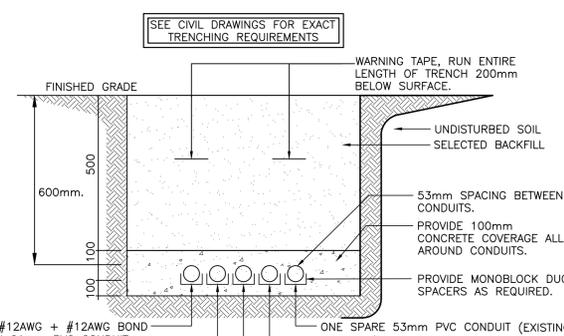


- 2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (LIGHT POLE #3)
- 53mm RIGID PVC CONDUIT C/W PULL ROPE (SPARE)
- 3 #2/0 RW90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #1: 150A & 100A RECEPTACLES)
- 4 #4 RW90 + 2 #6 RW90 + 3 #8 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #1: 30A AND 20A RECEPTACLES)
- 2 #10 RW90 + 1 #12 TW GROUND IN 53mm RIGID PVC CONDUIT (LIGHT POLE #2)
- 2 #10 RW90 + 1 #12 TW GROUND IN 53mm RIGID PVC CONDUIT (LIGHT POLE #1)
- 53mm RIGID PVC CONDUIT C/W PULL ROPE (NEW PEDESTAL #1: COMMUNICATIONS)

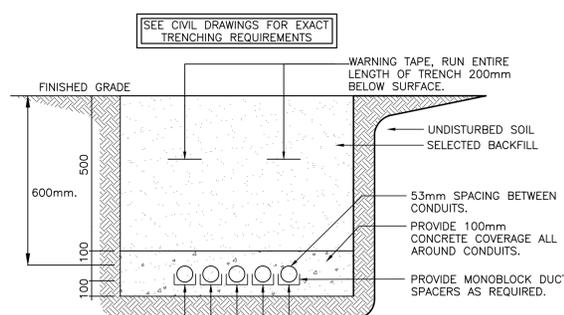
TRENCH DETAIL C
SCALE : N.T.S.



TRENCH DETAIL D
SCALE : N.T.S.

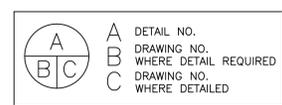


TRENCH DETAIL E
SCALE : N.T.S.

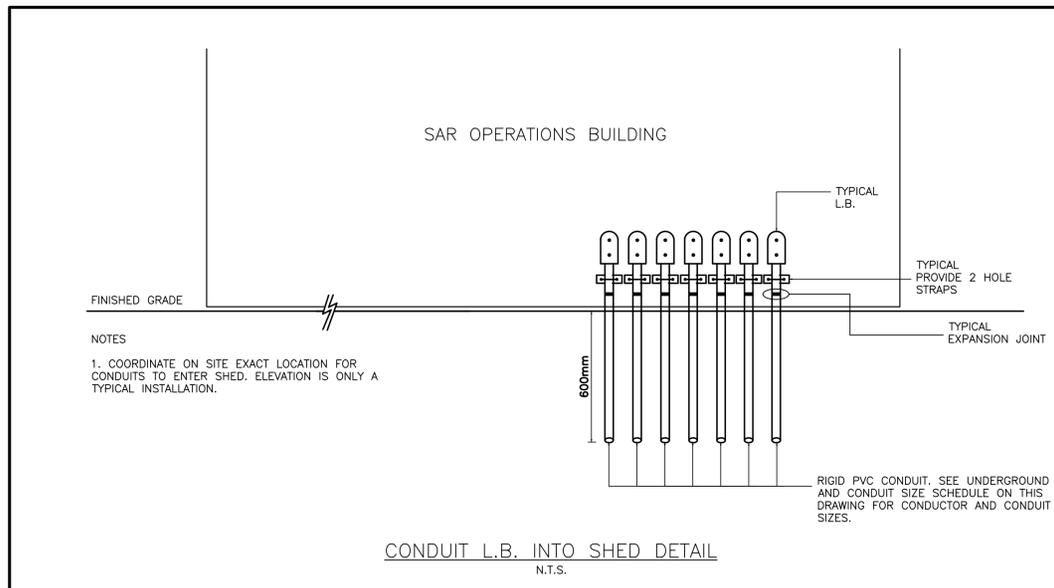


- 2#8AWG + #10 GND IN 27mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUIT (FUEL DISPENSER)
- 2C#18AWG SHIELDED TWISTED PAIR FOR LEAK DETECTION PLUS #2/0 FOR DIESEL TANK GROUND IN 27mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUIT (LEAK DETECTION/DIESEL TANK)
- 2C#18AWG SHIELDED TWISTED PAIR FOR LEAK DETECTION PLUS #2/0 AWG FOR WASTE OIL TANK GROUND IN 27mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUIT (LEAK DETECTION/WASTE OIL)
- 21mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUITS, EACH CONTAINING 2#12 + #12 Cu. BOND (OVERFILL ALARM FLOAT SWITCHES)
- 21mm EPOXY-COATED RIGID GALVANIZED STEEL CONDUITS, EACH CONTAINING 2#12 + #12 Cu. BOND (OVERFILL ALARM FLOAT SWITCHES)

TRENCH DETAIL F
SCALE : N.T.S.



- 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.
 - 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



CONDUIT L.B. INTO SHED DETAIL
N.T.S.

PROVINCE OF NEWFOUNDLAND PERMIT HOLDER Class "A" This Permit Allows CROSSIE ENGINEERING LIMITED To practice Professional Engineering in Newfoundland and Labrador Permit No. as issued by PEC-NL 00123 which is valid for the year 2022.



O	ISSUED FOR TENDER	01/17/22
B	ISSUED FOR REVIEW	12/10/21
A	ISSUED FOR REVIEW	11/05/21
revisions		date

project **CONSTRUCTION & REBURNISHMENT OF BAY CLASS SAR LIFEBOAT MARINE INFRASTRUCTURES BURIN, NL** project

drawing **TRENCH DETAILS** dessin

designed R.J.	conçu
date JANUARY 2022	
drawn K.N.	dessiné
date JANUARY 2022	
approved	approuvé
date	
Tender	Soumission
PWGC Project Manager	Administrateur de projets TP/GC
project number	no. du projet
R.116548.001	
drawing no.	no. du dessin
E3	