2015-02-25 AAP, EIT 2015-02-25

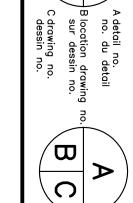
SWW, P. ENG.
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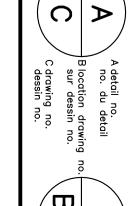
SINGLE REGULAR UNLEADED 120/1/60 GAS & DIESEL SINGLE DIESEL 120/1/60

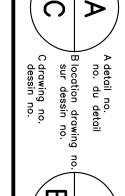
MECHANICAL & ELECTRICAL NOTES AND DETAILS

PARKS CANADA FUEL TANK
SYSTEM REPLACEMENT
CHETICAMP, NS

FOR 95% REVIEW









45. UNLESS SPECIFICALLY STATED OTHERWISE, THE TERMS DEPARTMENTAL REPRESENTATIVE AND ENGINEER WHEN USED IN THE SPECIFICATIONS AND ON THE DRAWINGS SHALL MEAN THE DEPARTMENTAL REPRESENTATIVE (DR) AS DEFINED IN THE GENERAL CONDITIONS OF THE CONTRACT. 43. PARKING FOR CONTRACTORS IS AVAILABLE ON SITE. MAINTAIN ACCESS TO ROADS AT ALL TIMES DURING DURATION OF PROJECT.

42. CONTRACTOR RESPONSIBLE TO ARRANGE OPERATIONS, SITE STORAGE, TEMPORARY WASHROOMS AND FACILITIES DURING THE CONSTRUCTION OF WORK AS REQUIRED FOR THE SAFE STORAGE OF ALL MATERIALS FURNISHED TO OR BY HIM UNTIL IT HAS BEEN INCORPORATED IN THE COMPLETED PROJECT AND ACCEPTED BY THE DEPARTMENTAL REPRESENTATIVE. ANY MATERIAL LOST OR STOLEN OR THAT OTHERWISE DISAPPEARS FROM THE SITE SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

38. WORKERS TO HAVE AND WEAR PERSONAL PROTECTION EQUIPMENT (PPE). 36. WARRANTY: ALL WORK AND EQUIPMENT IN THIS CONTRACT SHALL CARRY A MINIMUM WARRANTY OF TWO YEARS. 37. SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT, TRANSPORTATION AND SUPERVISION TO COMPLETE ALL WORK ASSOCIATES WITH THE ATTACHED DRAWINGS AND SPECIFICATION. 35. CONTRACTOR AND ALL WORKERS TO BE AVAILABLE FOR SAFETY TRAINING SESSIONS REQUIRED BY PARKS CANADA.

33. THE DRAWINGS PROVIDED ARE INTENDED TO CONVEY THE LOCATION OF PIPING AND EQUIPMENT ONLY. THEY SHOULD NOT BE CONSTRUED AS OR OTHERWISE UNDERSTOOD TO BE FABRICATION DRAWINGS. CONTRACTOR TO CONFIRM ALL SITE CONDITIONS PRIOR TO ORDERING AND/OR FABRICATION OF ANY EQUIPMENT. 32. PROVIDE TRAINING ON THE OPERATION, MAINTENANCE AND TROUBLESHOOTING OF THE NEW FUEL SYSTEM AND CONTROLS PROVIDED TO PARKS CANADA STAFF.

LOCATION

27. THIS CONTRACTOR RESPONSIBLE FOR FIRST FILL OF TWO (2) NEW 4,800 LITRE TANKS VIA TRANSFER FROM EXISTING TWO (2) 4,500 LITRE TANKS. TRANSFER OPERATION TO BE IN ACCORDANCE WITH REGULATIONS AND AHJ. NO TRANSFER OF FUEL TO TAKE PLACE UNTIL AS BUILT DRAWINGS ARE PROVIDED, AND EC REGISTRATION NUMBER IS CLEARLY IDENTIFIED. 25. PROVIDE CLEAR IDENTIFICATION ON ALL NEW FUEL PIPING. PROVIDE IDENTIFICATION ON NEW FUEL TANKS, INCLUDING LAMACOID SIGNAGE WITH FILL INSTRUCTIONS & PROCEDURES, TAGGING, ENVIRONMENT CANADA REGISTRATION NUMBER, NO SMOKING, CAPACITIES, FILL AND PRESSURE RATES, FUEL TYPE, WHMIS LABELS, OPERATING SIGNAGE, EMERGENCY CONTACT NUMBER IN CASE OF SPILL, ENVIRONMENT CANADA (EC) IDENTIFICATION NUMBER AND LABELS REQUIRED BY REGULATIONS AND AHJ AS WELL AS IN ACCORDANCE WITH CAN 4-S602.

 
 (mm)
 (mm)
 (LITRES)

 1,296 +/ 3,658 +/ 4,800
 ABOVEGROUND GAS (REGULAR UNLEADED) STORAGE TANK.

 1,296 +/ 3,658 +/ 4,800
 ABOVEGROUND DIESEL STORAGE TANK.
 DIGITAL FUEL MANAGEMENT SYSTEM C/W GRAPHICAL TOUCH-SCREEN, ABILITY MONITOR SUMP SENSORS / LEAK DETECTION AS OUTLINED ON DRAWINGS, 3 SENSORS TOTAL. SYSTEM ALARMS FOR LOW & LOW-LOW LEVEL FUEL, HIGH HIGH-HIGH WATER. 100 MAGNETIC STRIPE KEYCARDS AND HAVE SIMULTANEOUSLY. ABILITY TO

TA( PC-

TAG

IF SITE CONDITIONS PROHIBIT TRENCH AS PER THIS DRAW ADVISE CONSULTANT.

ALL CABLES TO BE LABELED WITH WEATHER PROOF TAGS INDICATION THE DESTINATION OF THE CONDUITS.

USE NEW SOIL FREE FROM LARGE ROCKS OR DEBRIS FOR BACKFILL.

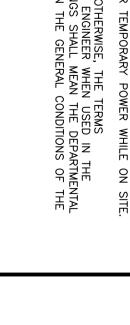
C = COMMUNICATION CONDUIT

100mm PVC CONDUIT FOR UTILITY COMMUNICATIONS

BACKFILLING OF TRENCH IN LAYERS NOT EXCEEDING

(MECHANICALLY TAMPED).

B = SECONDARY VOLTAGE OR BRANCH AND SIZE AS INDICATED.



39. CONTRACTOR TO SUBMIT A HEALTH AND SAFETY PLAN.

40. BECAUSE THIS PROJECT IS IN A NATIONAL PARK, IT IS ESSENTIAL ALL EXISTING FEATURES REMAIN AS FOUND. CONSEQUENTLY, STANDARDS FOR ENVIRONMENTAL PROTECTION AND FOR VISUAL AESTHETICS OF FINAL PRODUCT SHALL BE OF A QUALITY STANDARD. CONTRACT LIMITS SHALL BE STRICTLY ADHERED TO AND CONTRACTOR IS TO TAKE SPECIAL CARE TO MINIMIZE DAMAGE AND DISRUPTION AND PROTECT EXISTING FEATURES. THE DEPARTMENTAL REPRESENTATIVE IS TO BE NOTIFIED IMMEDIATELY IN ANY HISTORIC OR NATURAL RESOURCES ARE LOCATED DURING CONSTRUCTION.

34. CONTRACTOR TO WORK WITH THE DEPARTMENTAL REPRESENTATIVE, AND TESTING AGENCIES TO ASSIST WITH THE COMPLETION OF ANY SOIL TESTING, MATERIAL TESTING OR ADDITIONAL INDEPENDENT THIRD PARTY TESTING BEING COMPLETED BY THE OWNER.

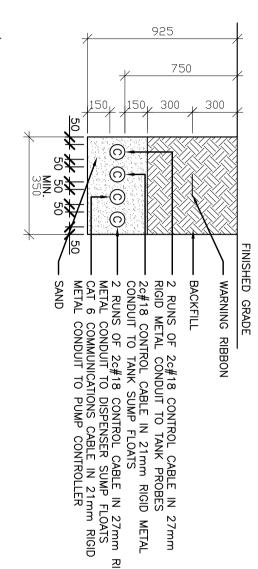
30. CONTRACTOR IS RESPONSIBLE FOR CLEANING, PAINTING AND LABELING ALL EXPOSED AND ACCESSIBLE NEW FUEL PIPING IN ACCORDANCE WITH CODES & STANDARDS. 31. THE WORK MAY BE DONE DURING NORMAL BUSINESS HOURS IF WORK DOES NOT CREATE DISRUPTION TO CLIENT OPERATIONS AND COMFORT. COORDINATE WITH THE DEPARTMENTAL REPRESENTATIVE 24 HOURS BEFORE STARTING WORK. 29. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING, COLLECTING, AND PRESENTING ALL DATA AND INFORMATION REQUIRED FOR APPROVAL AND REGISTRATION OF NEW TANKS AND ABOVEGROUND LINES WITH THE AHJ, ENVIRONMENT CANADA AND THE DEPARTMENT OF ENVIRONMENT. NEW TANKS TO BE INSTALLED AND TAGGED BY CERTIFIED INSTALLER. 28. DRAIN ALL TANKS AND PIPING PRIOR TO START OF WORK. ALL TANKS, PIPING, OIL SLUDGE AND RESIDUE MUST BE DISPOSED IN AN ENVIRONMENTALLY ACCEPTABLE MANNER MEETING ALL LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.



ESCREDAL MOTES:

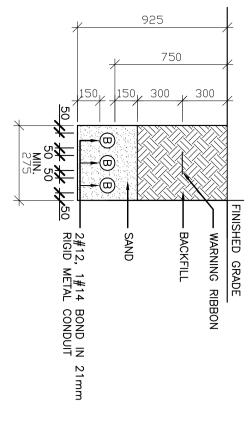
1. THE MORE SHALLER IN MOCORDANICE WITH MATCHAN BUILDING CODE OF CAMBA, AND STEPLUSEE STRANDARDS (ATEST RED) MOT THE MEDICAL SHAPE OF THE CENTRAL SHAPE OF THE C

2#12, 1#14 BOND IN RIGID METAL CONDUIT. TEM WIRING EXISTING
LOADCENTER
(OUTDOOR) **SCHEMATIC** 3c#18 STRANDED SHIELDED CABLE IN 16mm RIGID METAL CONDUIT & 2#12, 1#14 BOND IN 16mm RIGID METAL CONDUIT. EMERGENCY PUSHBUTTON TO BE WIRED THROUGH CONTACTOR. 2#12, 1#14 BOND IN 21n RIGID METAL CONDUIT.



MANAGEMENT ROLLER, FM-1

CAT 6 COMMUNICATIONS 21mm RIGID METAL CON

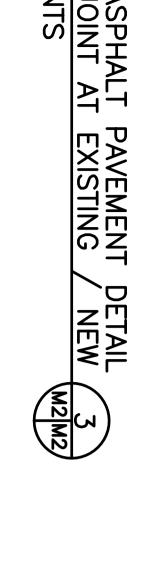


ELECTRICAL NTS

TRENCH

**DETAILS** 

M2M2



ASPH JOIN1 NTS

PAVEMENT EXISTING

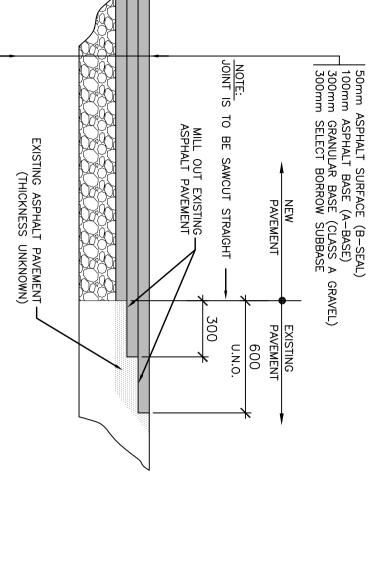
DETAIL / NEW

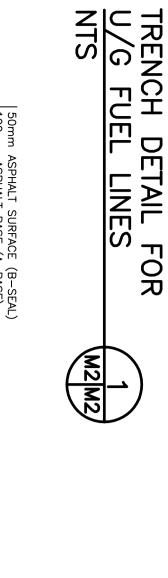
4 M2M2

2#12, 1#14 BOND IN 21mm CONDUIT TO EXISTING LOADCENTER IN OFFICE BUILDING. DETERMINE EXACT LOCATION OF LOADCENTER WITH DEPARTMENTAL REPRESENTATIVE ON SITE.

2c#18 CONTROL CABLE IN CONDUIT (TYPICAL)

SELECT BORROW OR UNDISTURBED SOIL (TYP.)





BOLL NTS

ARD

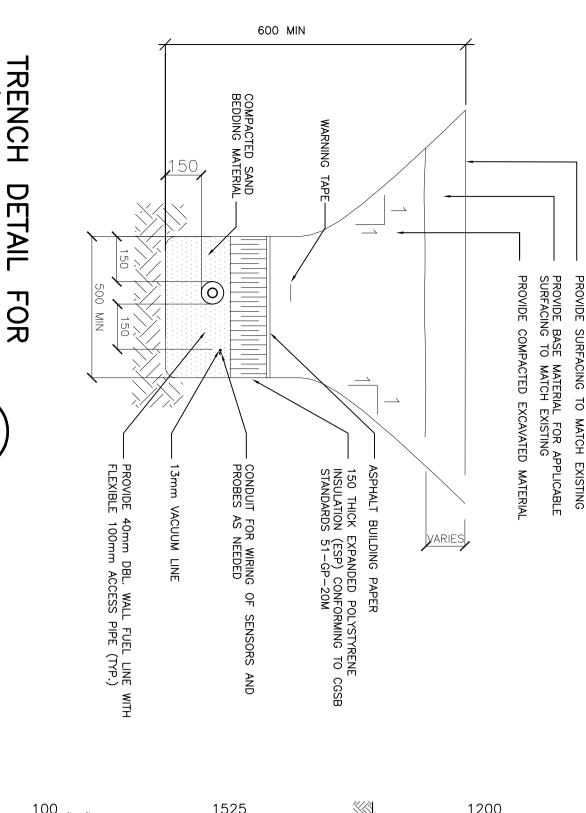
SECTION

- 3 PAIR OF # 15 REBAR ANCHORS WELDED TO S PIPE

- 610 mm DIA. CONC.
CYLINDER WITH TYPE 1 FILL
(GRAVEL) FIRMLY PACKED
AROUND CONCRETE. WRAP
SONOFORM WITH 2 LAYERS
OF 6MIL POLY.

50mm ASPHALT SURFACE (B-SEAL)
100mm ASPHALT BASE (A-BASE)
300mm GRANULAR BASE (CLASS A
300mm SELECT BORROW SUBBASE

SOD OR SEEDED SURFACE FINISH. REFER TO SITE PLAN



4, 6, 4

VIZED (HDG)

N WALL
SOLID WITH
D PIPE TO BE
2 COATS OF

 $\circ$ 

