

ANSI D 864mm x 559mm

Approved: DJ

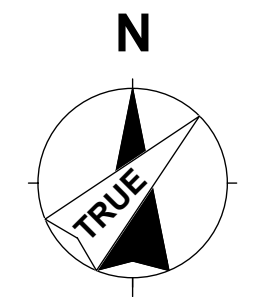
Checked: MB

Project Management Initials:

Last Plotted: 2020-09-23
Filename: 2020072_C106.0.DWG

HAZELDEAN ROAD

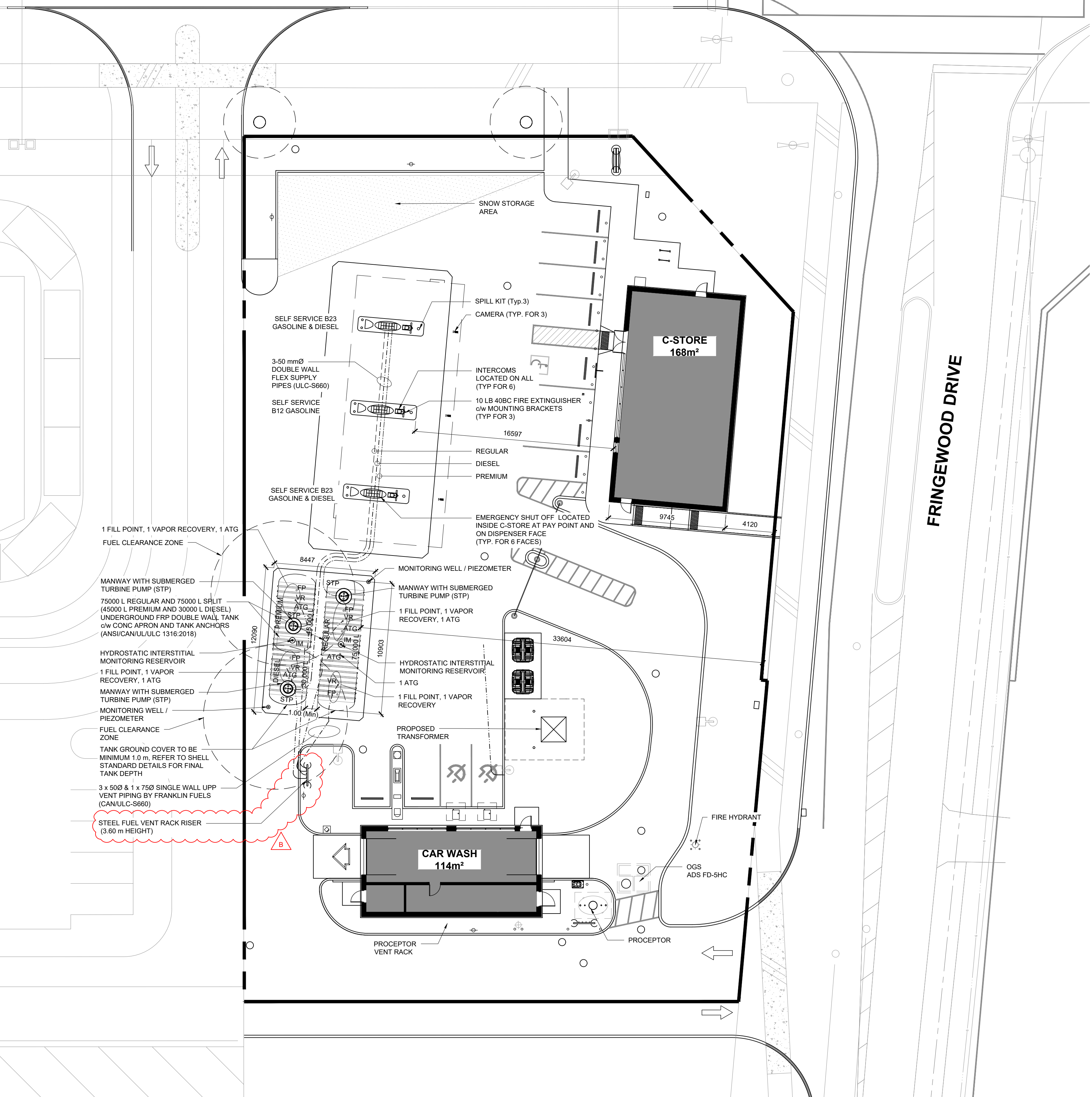
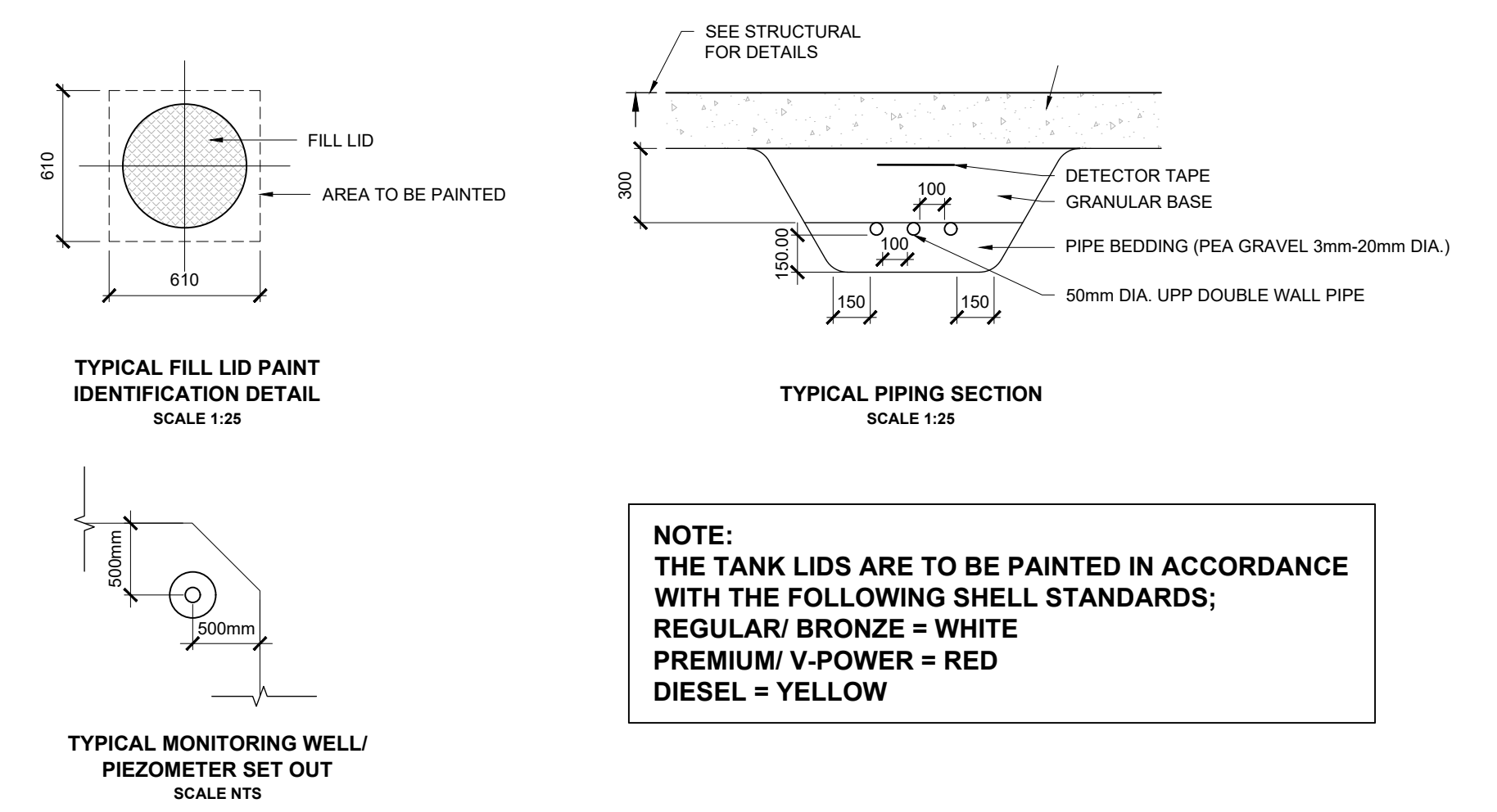
FRINGEWOOD DRIVE



- ### NOTES
- TANKS MANUFACTURED BY ZCL COMPOSITES INC. FOR TYPICAL TANK DETAILS REFER TO ZCL SHOP DRAWINGS. TANKS MUST COMPLY WITH MANUFACTURER'S INSTALLATION MANUAL. INSTALLER TO PROVIDE COMPLETED TANK INSTALLATION CHECKLIST.
 - DOUBLE WALLED FRP (FIBERGLASS REINFORCED PLASTIC) TANKS C/W STP SUMPS AND CONCRETE ANCHORS TO BE SUPPLIED BY AECOM L2 AND INSTALLED BY GENERAL CONTRACTOR (REFER TO SHELL STANDARD PETROLEUM DRAWINGS FOR ALL INSTALLATION DETAILS).
 - GASOLINE PIPING, SUBMERSIBLE PUMPS, SPILL CONTAINMENT SUMPS, OVERALL VALVES, SHEAR VALVES AND ALL ASSOCIATED FITTINGS TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR (REFER TO SHELL STANDARD PETROLEUM DRAWINGS FOR ALL INSTALLATION DETAILS).
 - GASOLINE AND DIESEL SPILL CONTAINMENT SUMPS ARE TO BE FITTED WITH A BRASS METAL TAG SHOWING TANKS CAPACITY IN LITRES AND A PLASTIC TAG INDICATING PRODUCT. THESE TAGS ARE TO BE ATTACHED TO FILL PIPE, BELOW THE SNAP CAP USING A PLASTIC TIE. COLLAR WRAP AND PRODUCT ID SIGNS PROVIDED BY TANK SUPPLIER AND INSTALLED BY GC. FFS DETECTOR TAPE TO BE SUPPLIED AND INSTALLED BY GC. REFER TO PETROLEUM DWG T560.4 FOR SCHEMATIC.
 - CUSTOMER SERVICE UNITS (CSU) TO BE SUPPLIED BY AECOM L2 AND INSTALLED BY CONTRACTOR ON DISPENSER ISLANDS. EXACT LOCATIONS TO BE DETERMINED ON SITE. - TRUCK DIRECTION SIGNS TO BE SUPPLIED BY AECOM L2 AND INSTALLED BY GC IN ACCORDANCE WITH LOCAL CODES. - "NO SMOKING", "TURN OFF IGNITION", "OPERATING INSTRUCTION", "SUITABLE CONTAINER" SIGNS TO BE SUPPLIED BY AECOM L2 AND INSTALLED BY GC (IN ACCORDANCE WITH LOCAL CODES).
 - FILL, PRODUCT INVENTORY SENSOR & RISER PIPES TO BE SUPPLIED AND INSTALLED BY CONTRACTOR. RISERS SHALL BE WRAPPED WITH DENSO TAPE FOR CORROSION PROTECTION.
 - PLASTIC TO STEEL - TRANSITION FOR UPP VENT TO OCCUR AT GRADE, BY GC.
 - PICTURES ARE REQUIRED FOR ALL PIPING RUNS, FOR TANK AND ANCHOR INSTALLATIONS ALONG WITH SUMPS, FUEL LINES, AND VENTS. PHOTOS WILL ALSO INCLUDE EXCAVATION AND BACKFILL OF THE TANK NEST AT ALL HOLD POINTS.
 - UNION AT PIPING CONNECTION TO DISPENSERS SHALL BE 3000 LBS FORGED STEEL.
 - ALL WORK TO BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES INCLUDING NATIONAL AND PROVINCIAL FIRE CODE AND ANY PROVINCIAL AUTHORITY (TSSA). GC IS RESPONSIBLE FOR THE APPLICATION AND REGISTRATION OF THE TANKS AND FUEL SYSTEM PERMIT FROM AHJ AND IS RESPONSIBLE TO DELIVER THIS PERMIT TO AECOM/SHELL.
 - CAMERAS TO BE INSTALLED AT EACH DISPENSER LOCATION AS PER AHJ AECOM L2 TO SUPPLY CCTV EQUIPMENT. GC TO COMPLETE ALL WORK TO ROUGH-IN (I.E. CONDUIT INSTALLATION). CAMACC INSTALLS CABLES AND COMMISSIONS SYSTEMS.
 - NEW VIDEO LOSS SYSTEM INCLUDES: VIDEO LOSS RELAYS, MONITORS AND ASSOCIATED EQUIPMENT INSTALLED IN BACK ROOM, VICINITY OF GAS BAR ELECTRICAL VIDEO LOSS BOARD FOR THE VEEDER-ROOT.
 - FIRE EXTINGUISHERS TYPE 40BC, 10 LBS. COMPLETE WITH MOUNTING BRACKETS TO BE SUPPLIED AND INSTALLED BY GC (TYP. 3 LOCATIONS - ONE PER DISPENSER ISLAND).
 - WAYNE INTERCOMS IN DISPENSERS - GC TO SUPPLY AND INSTALL MASTER IN C-STORE AND CONNECT TO INTERCOM AT PASS-THROUGH BOX AND ON WAYNE DISPENSERS. TWO WAY TYPICAL FOR 6 LOCATIONS - ONE PER EACH SIDE OF DISPENSER.
 - FOR ALL OTHER DETAILS REFER TO SHELL STANDARD PETROLEUM DRAWINGS AND T560 DRAWINGS.
 - TANK EXCAVATION TO BE COMPLETED IN ACCORDANCE WITH LOCAL LAWS AND WORKSAFE REGULATIONS. IN THE EVENT THAT STEEPER SLOPES OR SLOUGHING IS OBSERVED, A GEOTECHNICAL ENGINEER IS TO BE ENGAGED TO REVIEW SIGN-OFF SLOPES AND/OR REMEDIAL MEASURES.
 - PRIOR TO TANK INSTALLATION, A LIFTING PROTOCOL SHALL BE COMPLETED AND AS A MINIMUM PERSONNEL CRANE, TANK STARTING POSITIONS, LIFTING/PUBLIC/OVERHEAD RISKS AND MITIGATIONS SHALL BE IDENTIFIED AND SUBMITTED TO AECOM L2 AS HOLD POINT.
 - CONTRACTOR TO PROVIDE MATERIALS LIST PRIOR TO COMMENCEMENT OF WORK FOR REVIEW AND APPROVAL BY AECOM.
 - PLACE DEADMEN AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. TANKS WILL BE STRAPPED TO THESE ANCHORS AND THE STRAPS MAY ONLY BE CLIPPED TO THE TANKS BY HAND OR WITH THE GENTLE USE OF A RUBBER Mallet. METALLIC HAMMERING IS NOT PERMITTED.
 - ALL UPP INSTALLATION EQUIPMENT AND INSTALLATION PERSONNEL MUST BE CALIBRATED, VALID, AND CERTIFIED WITH UPP. ALL UPP INSTALLATION PERSONNEL MUST BE TRAINED BY FRANKLIN FUELING IN CORRECT AND CURRENT METHODS OF INSTALLATION. AND LEAD INSTALLATION PERSONNEL MUST PROVIDE A CURRENT COPY OF CERTIFICATION.
 - ALL METALLIC CONNECTIONS TO PIPING AND TANKS SHALL BE BONDED AND GROUNDED.
 - PIPING INSTALLER TO REFER TO AECOM L2 TESTING REQUIREMENTS FOR UPP PIPING.
 - PRECISION LEAK TEST TO BE PERFORMED BY A QUALIFIED TESTING AGENCY.
 - GC IS RESPONSIBLE FOR THE COMMISSIONING OF ALL FUEL SYSTEM EQUIPMENT INCLUDING THE WAYNE DISPENSERS AND THE VEEDER ROOT MONITORING SYSTEM. THE CONTRACTOR MUST PROVIDE THE COMMISSIONING DOCUMENTATION TO WAYNE AND ACCUFLO WITH COPIES TO AECOM/SHELL BEFORE THE SITE IS HANDED OVER.
 - PIPING SYSTEM TESTING IS TO BE CONDUCTED IN ACCORDANCE WITH THE SHELL RETAIL SITE PETROLEUM TESTING PROTOCOL.
 - TANK AND DISPENSER APRON SLAB SHALL BE CONSTRUCTED AS PER STRUCTURAL DRAWINGS.
 - CONTRACTOR TO HOLD VALID INSTALLERS CERTIFICATE FOR JURISDICTION (I.E. PM.1 CERTIFICATE) AND SYSTEMS BEING INSTALLED.
 - TANKS TO BE EQUIPPED WITH ALL STAGE 1 VAPOUR RECOVERY EQUIPMENT PER ENVIRONMENTAL REGULATIONS IN JURISDICTION.
 - TANKS ARE EQUIPPED WITH OVERFILL PROTECTION DEVICE CONFORMING TO ULC-S661
 - THERE ARE NO KNOWN WELLS WITHIN 30M OF TANKS AND DISPENSERS.

LEAK DETECTION SYSTEM

- TANK MONITORING SYSTEM EQUIPPED WITH:
- A SUMP SENSOR IN EACH TANK DISPENSER SUMP, INTERCONNECTED WITH THE SYSTEM TO SHUT DOWN THE AFFECTED DISPENSER UNDER ALARM CONDITIONS.
 - A SUMP SENSOR IN EACH TANK SUMP, INTERCONNECTED WITH THE SYSTEM TO SHUT DOWN THE AFFECTED STP UNDER ALARM CONDITIONS.
 - A INTERSTITIAL SENSOR FOR EACH TANK TO PROVIDE AN ALARM TO THE CONSOLE OPERATOR



1 FUEL PIPING PLAN
C106.0 SCALE: 1:200

AECOM

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REGISTRATION

LEGAL DESCRIPTION
PART OF BLOCK 21 OF DRAFT PLAN OF SUBDIVISION OF PARTS OF LOTS 26 AND 27 OF REGISTERED PLAN 4R2506 PART 3, CONCESSION 11, GEOGRAPHIC TOWNSHIP OF GOULBOURN (CITY OF OTTAWA)

ISSUE/REVISION

NO.	DATE	DESCRIPTION
B	2020-09-30	RE-ISSUED FOR SPA
A	2020-03-31	ISSUED FOR SPA
1/R		

DRAWN BY
MB

KEY PLAN

GLOBAL PROJECT ID NUMBER
CAN01444

SHEET TITLE
SITE FUEL PIPING PLAN

CTM DESIGN FILE NAME
2020072_C106.0

SHEET NUMBER
C106.0

CITY FILE NO. 007-20-004
CITY PLAN NO. 18131

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