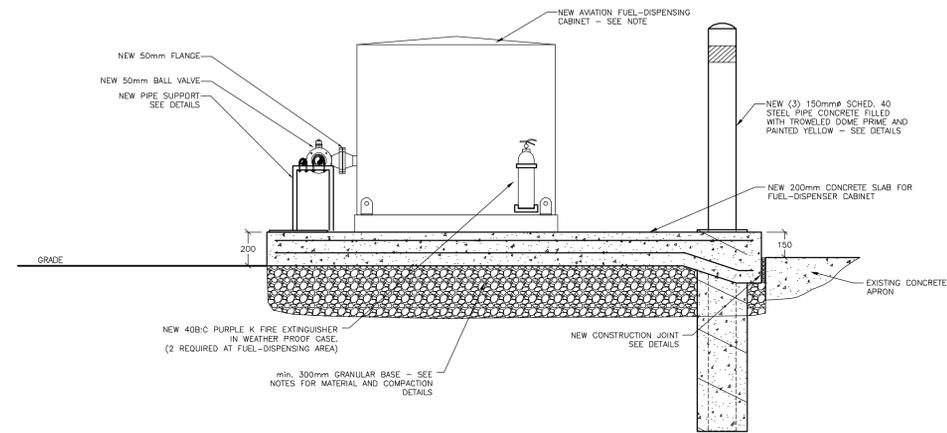
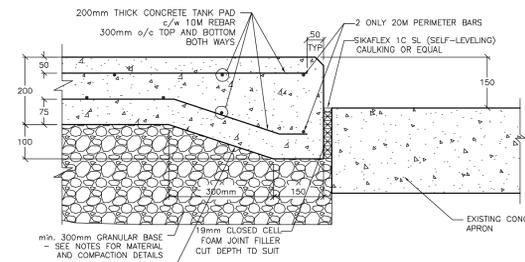


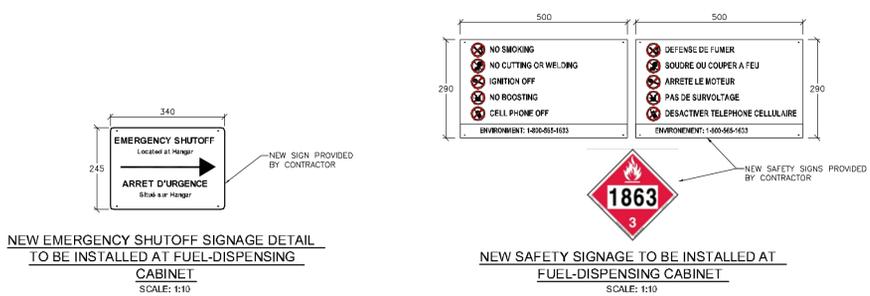
NEW FUEL-DISPENSER CABINET PLAN  
SCALE: 1:20



NEW FUEL-DISPENSER CABINET ELEVATION  
SCALE: 1:20

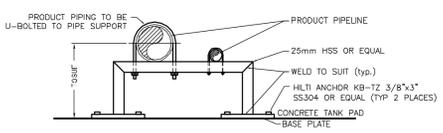


CONCRETE APRON AND CONSTRUCTION JOINT DETAIL  
SCALE: 1:10



NEW EMERGENCY SHUTOFF SIGNAGE DETAIL  
TO BE INSTALLED AT FUEL-DISPENSING  
CABINET  
SCALE: 1:10

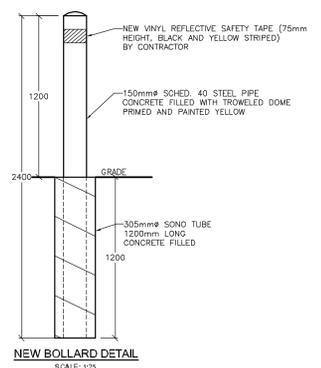
NEW SAFETY SIGNAGE TO BE INSTALLED AT  
FUEL-DISPENSING CABINET  
SCALE: 1:10



PIPE SUPPORT DETAIL  
SCALE: N.T.S.

**THE DISPENSING CABINET IS TO BE SHOP FABRICATED AND COME COMPLETE WITH THE FOLLOWING:**

- STAINLESS STEEL CABINET CONSTRUCTION c/w REMOVABLE DOORS AND CABINET TOP
- STAINLESS STEEL PIPING AND VALVES
- SPILL CONTAINMENT DRIP PAN
- START/STOP SWITCH FOR SUBMERSIBLE PUMP/SOLENOID VALVE
- 3 STAGE JET FUEL FILTER/SEPARATOR APPROVED UNDER E11581 c/w STAINLESS STEEL OR EPOXY LINED CARBON STEEL HOUSING
- THERMAL PRESSURE RELIEF AND AIR ELIMINATOR BOTH CONNECTED TO 20# RETURN LINE TO TANK
- METER COMPLETE WITH DIGITAL DISPLAY
- ELECTRIC REWIND HOSE REEL COMPLETE WITH 30.5m OF 1.5" HOSE AND OVERWING DISPENSING NOZZLE AND CONTROLS
- BONDING REEL AND CLAMP
- GAMMON PRESSURE DIFFERENTIAL GAUGE
- LOW POINT DRAIN ON FILTER SEPARATOR c/w 12# SS PIPING, SPRING RETURN BALL VALVE, CAMLOCK AND DUST CAP
- MILLIPORE TESTING PORT ON INLET AND OUTLET OF FILTER
- 50mm SS BALL VALVE ON OUTLET OF FILTER SEPARATOR
- THERMAL PRESSURE RELIEF ON PIPING BETWEEN METER AND HOSE REEL TIED INTO 20# SS RETURN PIPE BACK TO TANK
- 50mm SS CHECK VALVE ON INLET OF METER



NEW BOLLARD DETAIL  
SCALE: 1:25

- NOTES:
- 1) INSTALLER TO VERIFY LOCATION OF ALL PROPERTY BOUNDARIES, STRUCTURES, UTILITIES, ROADS/DRIVEWAYS, WELLS, WATERCOURSES AND WATERBODIES BEFORE BEGINNING OF WORK.
  - 2) INSTALLER TO ADVISE ENGINEER OF ANY ADDITIONS OR CHANGES TO SITE PLAN RESULTING FROM NOTE 1 PRIOR TO BEGINNING OF WORK.
  - 3) ALL INSTALLATIONS SHALL COMPLY WITH FEDERAL REGULATIONS, THE NATIONAL FIRE CODE OF CANADA, THE CANADIAN ELECTRICAL CODE, STORAGE, B836.14 "HANDLING AND DISPENSING OF AVIATION FUELS AT AERODROMES CODE", AS WELL AS ANY OTHER COVERING CODES AND INSTALLATION PRACTICES.
  - 4) THE EMERGENCY STOP BUTTONS SHALL SHUT DOWN ALL POWER TO THE SUBMERSIBLE PUMP, CABINET & SOLENOID WHEN PRESSED.
  - 5) THE EMERGENCY STOP BUTTON MUST BE REMOTELY LOCATED, c/w SIGNAGE (7-30m FROM THE DISPENSING AREA) (CLEARLY VISIBLE FROM FUEL-DISPENSING AREA).
  - 6) CONTRACTOR TO VERIFY INTEGRITY OF TANK INTERSTITIAL VACUUM PRIOR TO INSTALLATION.
  - 7) SYSTEM OWNER TO ENSURE MEASURES ARE TAKEN TO PREVENT UNAUTHORIZED ACCESS TO THE STORAGE TANK AND AUXILIARY EQUIPMENT.
  - 8) ALL NEW EQUIPMENT SHALL BE UL/C LISTED AND INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
  - 9) OWNER IS RESPONSIBLE TO ENSURE AN APPROPRIATE EMERGENCY PLAN IS IMPLEMENTED TO MEET THE REQUIREMENTS OF THE CANADIAN ENVIRONMENTAL PROTECTION ACT, STORAGE TANK SYSTEMS FOR PETROLEUM PRODUCTS AND ALLIED PETROLEUM PRODUCTS REGULATIONS, 2008 (CEPA) SECTIONS 30-32.
  - 10) PRIOR TO OPERATION, AS BUILT DRAWINGS BEARING AN ENGINEER'S STAMP MUST BE COMPLETED.
  - 11) SPILL KIT AND/OR ABSORBENT MATERIAL REQUIRED AT FUEL-DISPENSING AREA.
  - 12) CONCRETE SPECIFICATIONS:  
SOIL BEARING CAPACITY: 1500psf min.  
CONCRETE STRENGTH: 35MPa @ 28 DAYS, 5% TO 8% AIR ENTRAINMENT.  
FINISH: BROOM, ADD ONE COAT SEALING/CURING COMPOUND, ALL OUTSIDE EDGES OF CONCRETE TO BE TOOLED A MINIMUM OF 38mm WIDE.  
REBAR: 400MPa
  - 13) DO NOT UNDERMINE OR COMPROMISE ANY FOOTINGS OR FOUNDATION STRUCTURES. ALWAYS BE AWARE OF THE LOCATION OF EXISTING UTILITIES AND OVERHEAD POWER LINES.
  - 14) EXCAVATION TO BE BACKFILLED WITH 31.5mm CRUSHED GRAVEL.
  - 15) ALL FILL WILL BE PLACED IN LIFTS NOT EXCEEDING 300mm IN LOOSE THICKNESS AND BE COMPACTED THROUGHOUT THE LIFT THICKNESS TO A MAXIMUM OF THE MATERIAL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY. DEPENDING ON THE COMPACTOR EQUIPMENT, THINNER LIFTS MAY BE NECESSARY IN ORDER TO ACHIEVE THE SPECIFIED COMPACTION CRITERIA.
  - 16) IF FURTHER CLARIFICATIONS ARE REQUIRED ON EQUIPMENT OR THE INSTALLATION OF EQUIPMENT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST CLARIFICATIONS FROM THE CONSULTANT.
  - 17) THESE DRAWINGS TO BE USED FOR GENERAL GUIDANCE SHOWING APPROXIMATE EQUIPMENT ARRANGEMENT ONLY.
  - 18) THE SYSTEM IS REQUIRED TO BE EQUIPPED WITH THE FOLLOWING FEATURES:  
- OVERFILL PREVENTION VALVE  
- ANTI-SIPHON DEVICE OR N.C. SOLENOID VALVE c/w THERMAL RELIEF  
- SPILL CONTAINMENT BOX  
- PTA CONTAINMENT CURB  
- EMERGENCY SHUT-OFF DEVICE FOR ALL POWER TO SYSTEM  
- 2 x 40B-C FIRE EXTINGUISHERS (PURPLE K PREFERRED)  
- FULLY STOCKED SPILL KIT  
- EMERGENCY AND SAFETY SIGNAGE
  - 19) ENVIRONMENT CANADA NUMBER REQUIRED TO BE POSTED AT THE FILL PIPE CONNECTION OF EACH STORAGE TANK
  - 20) OWNER MUST NOTIFY ENVIRONMENT CANADA WITH IN 60 DAYS ONCE REGULATED SYSTEMS ARE REMOVED (CEPA SECTION 44)



NOTE: THIS DRAWING ILLUSTRATES INFORMATION SPECIFIC TO A STANTEC CONSULTING LIMITED PROJECT AND MUST NOT BE USED FOR OTHER PURPOSES.

APP'D NO.	DETAILS	DATE
-	ISSUED FOR TENDER	15 12 07
-	ISSUED FOR CLIENT REVIEW	15 11 26
REVISIONS		
REFERENCES		
PROJECT: JET A1 DISPENSING SYSTEM REPLACEMENT		
SITE ADDRESS: CCG HANGAR SHEARWATER 12 WING SHEARWATER, DARTMOUTH, NS		
CLIENT: DFO RPSS		
JOB No.: 121611747	SCALE: AS NOTES	DATE: 15/11/20
DRAWN BY: JCB	DESIGNED BY: ERF	APPROVED BY: DT
DRAWING TITLE: PHASE 2 NEW FUEL-DISPENSER CABINET PLAN, ELEVATION & GENERAL ARRANGEMENT		