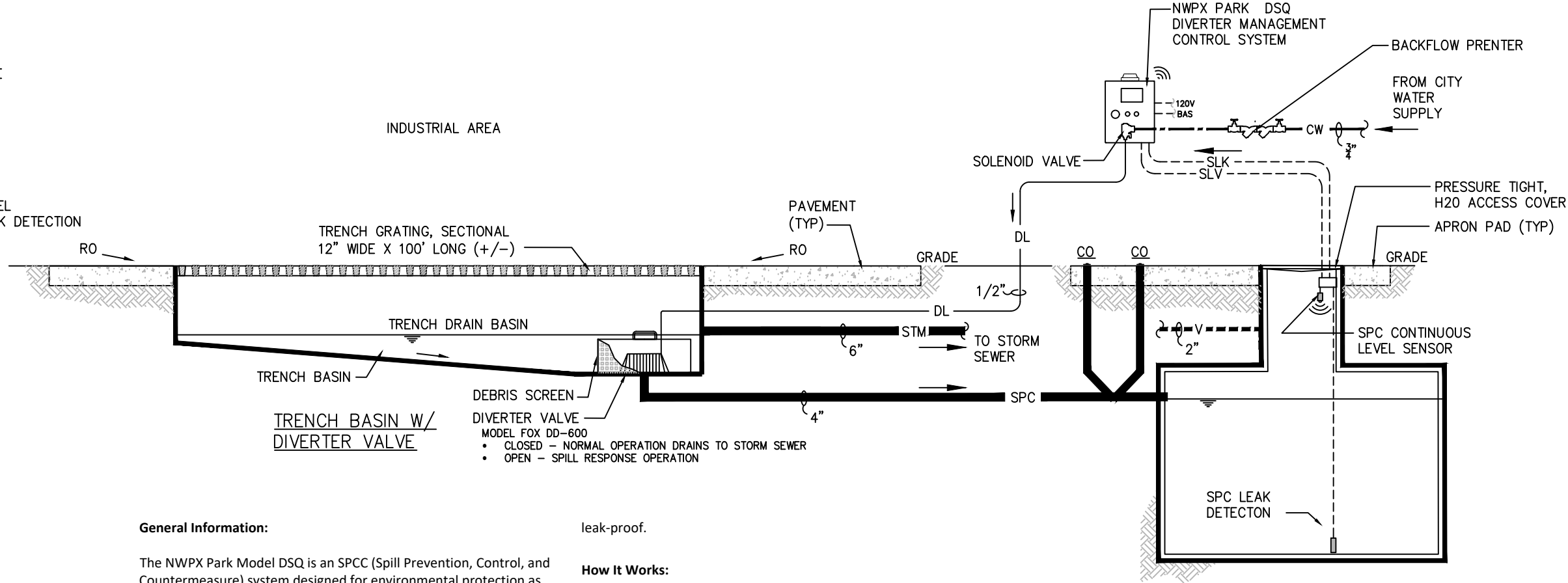


- LEGEND
- CW – CITY WATER (POTABLE)
 - SAN – SANITARY LINE
 - STM – STORM LINE
 - SPC – SPILL CONTAINMENT LINE
 - RO – RUNOFF
 - DL – DRIVE LINE, 1/2" COPPER
 - CO – CLEAN OUT
 - HLA – HIGH OIL LEVEL ALARM
 - FSV – FLOAT SENSOR (DIV)
 - FLW – FLOW SWITCH (OPT)
 - BAS – BUILDING AUTOMATION
 - SLV – CONTAINMENT TANK LEVEL
 - SLK – CONTAINMENT TANK LEAK DETECTION



General Information:

The NWPX Park Model DSQ is an SPCC (Spill Prevention, Control, and Countermeasure) system designed for environmental protection as mandated by the federal Clean Water Act. Outdoor areas, exposed to rainwater, require protection from hazardous hydrocarbons and chemical spills. Designed for unroofed outdoor areas such as wash racks, parking lots, loading docks, and industrial zones, this environmental control system enables user management of stormwater runoff. It allows for uncontaminated rainwater to drain to the storm sewer and enables the diversion of polluted runoff or accidental spills to a containment tank.

System Components:

Trench Drain - The trench drain system ensures the capture of all area drainage runoff. The trench basin, constructed from heavy-duty steel with an integral frame, is designed with the necessary slope. It's equipped with traffic-duty, ductile iron sectional grating that is removable for easy trench inspection and cleaning.

Diversion Valve - A hydraulically activated diverter valve offers reliable, intrinsically safe diversion of runoff. This valve is listed with Uniform Plumbing Code (UPC). The valve, a FOX Environmental Model DD, is located within the trench basin.

Control System - The DSQ control system serves as the central intelligence for continuous management. It features monitoring and alerts for the spill containment tank's full level and leak detection, as well as spill response, ensuring efficient and responsive control over the system's functionality.

Containment Tank - A double-wall containment tank provides safe containment for hazardous spills. Made of lined concrete, fiberglass, or stainless steel, the tank is designed to be chemical-proof and

leak-proof.

How It Works:

Trench Basin Configuration

The trench basin can be designed in various lengths, with the grating flush with the pavement level. The minimum depth of the trench bottom is 6 inches, and it typically slopes at 1% to 2% per linear foot. For example, a trench that is 10 feet long will be 6 inches deep at the shallow end and 8.5 inches deep at the deep end with a 2% slope. At the deep end, there are two outlets: one leading to the Stormwater Sewer and the other to the Spill Tank. The Spill Tank Outlet features a diverter valve located near the bottom of the trench, protected by a debris screen to capture coarse solids. The Stormwater Outlet is situated at a slightly higher elevation than the Spill Tank Outlet in the trench basin.

Normal Operation

When the protected area is in normal use, the trench drain collects any and all liquids that may fall on the pavement, including incidental moisture or precipitation. The Diverter Valve remains CLOSED, causing the basin to fill to the level of the Stormwater Outlet before exiting the trench basin.

Spill Response Operation

In the event of a spill or routine wash-down of the protected area, the control panel includes a manual emergency override button. This button activates the diversion valve to OPEN, allowing all liquids from the trench to drain into the containment tank. The diverter valve will stay in this open position until it is manually reset to CLOSE. Removal of captured spill materials from the containment tank, in compliance with environmental regulations, is recommended for optimal safety.

INDUSTRIAL SPCC SYSTEM

Applications:

- Fuel loading racks
- Gas stations & fueling pads
- Aircraft fueling aprons
- Vehicle & equipment wash bays
- Truck & bus maintenance yards
- Rail yards
- Marinas & boat washdowns
- Chemical loading/unloading areas
- Tank farms & bulk storage terminals
- Dumpster & trash compactor areas
- Recycling & scrap metal facilities
- Fire station wash racks
- Military washdown/decon areas
- Mining equipment wash areas
- Power plant transformer containment areas
- Industrial process washdown pads
- Airport deicing pads
- Emergency hazmat response areas
- Oil & gas drilling sites

NWPX PARK Model DSQ Spill Control and Countermeasures System:

Efficient Water Runoff Management - Elevate your environmental protection with the NWPX Park Model DSQ, the ultimate SPCC system for outdoor areas. Perfect for parking lots, loading docks, and industrial zones, it smartly manages water runoff, ensuring only clean water makes its way into sewers.

Features:

- Trench Drain
- 3-Way Flow Diversion Operation (Storm Sewer or Spill Containment Tank)
- Spill Containment Tank
- Control System

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PROJECT: .	
CUSTOMER: .	
ENGINEER: .	
ORDER #: .	
PROJECT #: .	LOCATION: .
DATE : .	
INDUSTRIAL SPCC SYSTEM SPILL CONTROL & COUNTERMEASURES	
PM .	ENV .
ENG CE	DWG. NO.
DATE 03/27/26	DSQ-S-1200-SPC-DD3-06-RTCP
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