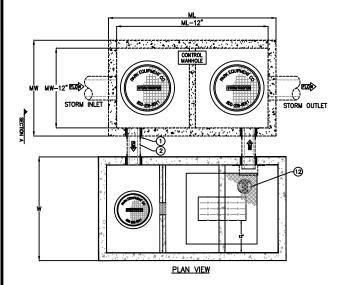
STORMTROOPER, U.S. PATENT 7,470,361



GENERAL INFORMATION

THE STORMTROOPER® AQ STORMWATER INTERCEPTOR IS DESIGNED TO RECEIVE & TREAT STORMWATER RUNOFF ON A GRAVITY-FLOW AND ONCE-THROUGH

GUARANTEED PERFORMANCE

PRE-ENGINEERED COALESCING MEDIA PACKS ARE UTILIZED FOR ENHANCED SEPARATION WHICH PROVIDE SUPERIOR PERFORMANCE COMPARED TO OTHER SEPARATORS WHICH UTILIZE BAFFLES OR DIVERTERS.

### **APPLICATIONS**

THE PARKUSA STORMTROOPER INTERCEPTOR IS DESIGNED FOR STORMWATER RUNOFF FROM COMMERCIAL & INDUSTRIAL APPLICATIONS
WHERE EXCESSIVE POLLUTANTS MAY HARM THE ENVIRONMENT OR DAMAGE SEWER SYSTEMS.

### BY-PASS DESIGN

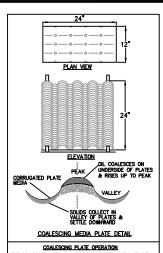
A BY-PASS MANHOLE DIVERTS STORMWATER DURING HEAVY PEAK STORM PERIODS. THIS ALLOWS FOR OPTIMAL INTERCEPTOR SIZING.

#### MAINTENANCE

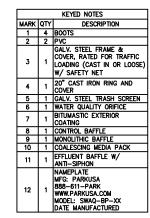
THE PARK STORMTROOPER INTERCEPTOR REQUIRES SOLIDS ARE REMOVED FROM THE STORMWATER VIA BAFFLES AND COALESCING MEDIA.

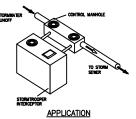
THESE POLLUTANTS ARE REMOVED FROM THE SEPARATOR WHEN SERVICED BY A LICENSED VACUUM TRUCK OPERATOR.

USE SWAQ-BYPASS IF DESIGN FLOW EXCEEDS FLOW RATE SHOWN IN SCHEDULE



COALESCING PLATE. OPERATION
THE COALESSING BUMPA PACKING LOSSETS OF CLOSELY SPACED
CORFUGATED PLATES MANAFACTURED WITH AN OLEOPHILLO (OL
ATTHACHING) MARRIEM. THE PATEMENT PLATES ARE DUTTON
STREET, PRINCIPLE. THE CORRECTION PATEMENT AND DUTTON
SHELL PRINCIPLE. THE CORRECTION PATEMENT INDUCES A
UNISSORAL LAWARS FLOW OF THE CUT WATER MOUTHE, UNDER
LAMBAR FLOW CONSTITUTION, BUOVARDY FORCES CAUSE OIL
LAMBAR FLOW CONSTITUTION, BUOVARDY FORCES CAUSE
UNISSORAL LAWARS FLOW OF THE UNDERSICE SHIPPACES OF THE
CEPHILLE PLATES. MSAIL CLI, DIRECTIST TIED OT COALESCE
HITO SHEETS OF OIL ON THE UNDERSICE SHIPPACES OF THE
CEPHILLE PLATES. MSAIL CLI, DIRECTIST TIED OT COALESCE
HITO SHEETS OF OIL ON THE UNDERSICE SHIPPACES OF THE
FLUB FLOW CONSTITUTIVE ON THE UNDERSICE SHIPPACES OF THE
FLUB FLOW CONSTITUTIVE OF THE ONE SHIPPACES ON OUT THE
SARVIAGE IN LARGE CLOSULES THROUGH WEEP HALES OR OUTTHES





	FLOW RATE (gpm)	TOTAL SURFACE AREA (SQ FT)	MAX EFFECTIVE DRAINAGE (ACRES)	DIMENSIONS					
MODEL NO.				LENGTH L	WIDTH W	HEIGHT H	MINIMUM SETTLING DEPTH	CONTROL MANHOLE LENGTH (ML)	CONTROL MANHOLE WIDTH (MW)
SWAQ-BP-05	420	100	0.13	7'-10"	4'-4"	7'-0"	4'-0"	7'-0"	4'-0"
SWAQ-BP-10	600	149	0.20	8'-8"	5'-0"	7'-0"	4'-0"	7'-0"	4'-0"
SWAQ-BP-20	1000	248	0.33	11'-0"	6'-0"	7'-6"	4'-0"	11'-0"	4'-0"
SWAQ-BP-25	1440	369	0.50	13'-0"	7'-0"	8'-0"	4'-0"	11'-0"	4'-0"
SWAQ-BP-40	2250	588	0.79	16'-0"	8'-6"	8'-0"	4'-0"	16'-0"	4'-0"
SWAQ-BP-70	2720	730	0.98	18'-0"	9'-0"	6'-10"	4'-0"	16'-0"	4'-0"
SWAQ-BP-110	4000	913	1.23	21'-2"	11'-2"	6'-10"	4'-0"	16'-0"	4'-0"

# (4) 6" (5) (10) 6 **⑦** (9) 8

ELEVATION

# **SPECIFICATIONS**

ACCESS:

CONCRETE: DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.

GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING REINFORCEMENT: TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

MANHOLE FRAMES, COVERS OR GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30. MANHOLE SHALL HAVE 30 INCH INSIDE DIAMETER AND

BE TRAFFIC DUTY.

GALVANIZED STEEL SKID-RESISTANT DOUBLE LEAF H-20 RATED. HATCHWAYS:

# ENGINEERING DATA

INTERCEPTOR IS STRUCTURALLY AND HYDRAULICALLY ENGINEERED CONFORMING TO REGULATORY STANDARDS. NOMINAL CAPACITY AS INDICATED.

FIELD EXCAVATION AND PREPARATION SHALL BE COMPLETED PRIOR TO DELIVERY OF INTERCEPTOR. USE DIMENSIONAL DATA AS SHOWN.









STORMWATER INTERCEPTOR MODEL SWAQ 05 THRU 110 WITH BYPASS

PC DRN ENG DWG. NO. DATE 2023

SWAQ-BP-1

REV.

@ ParkUSA. ALL RIGHTS RESERVED.