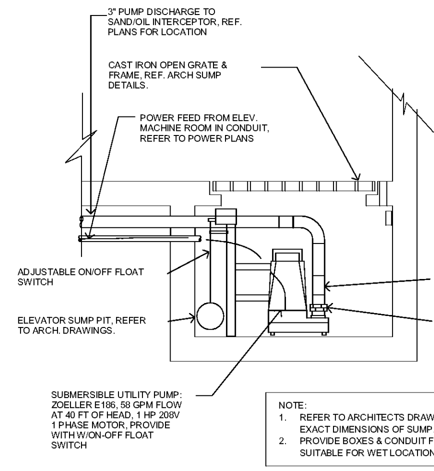
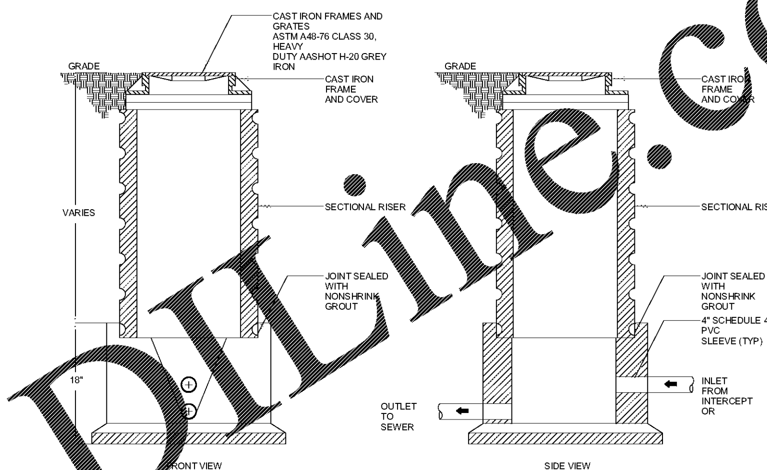
NO	REVISION / SUBMISSIONS	DATE

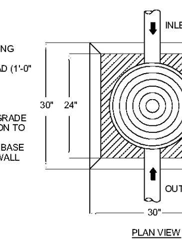


NOTE:
1. REFER TO ARCHITECTS DRAWINGS FOR EXACT DIMENSIONS OF SUMP.
2. PROVIDE BOXES & CONDUIT FITTINGS SUITABLE FOR WET LOCATIONS.

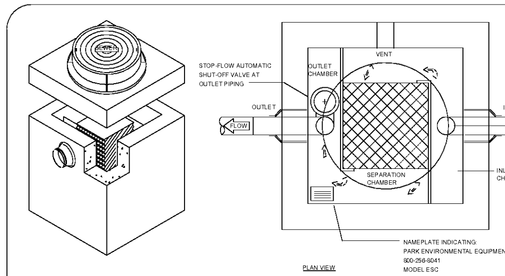
4 ELEVATOR SUMP DETAIL
SCALE: N.T.S.



NOTES:
1. USE 15" T&G R.C.P. FOR INSTALLATION 6'-0" DEEP AND LESS
2. USE 24" T&G R.C.P. FOR INSTALLATION GREATER THAN 6'-0" DEEP (STD RING AND MH COVER REQUIRED)
3. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE)
4. INSTALLATION INSIDE BUILDING MUST BE POURED IN PLACE (15" MIN) NO CONCRETE PIPE IS PERMITTED (AIR - TIGHT COVER REQUIRED)
5. LAWN INSTALLATION - MUST BE 4" ABOVE FINISHED GRADE.
6. DRIVE AND SIDEWALK INSTALLATION - MUST BE BROUGHT TO FINISHED GRADE
7. MUST BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.
8. CLASS C CONCRETE WITH A DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. BASE UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AN FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH



2 SAMPLE WELL DETAIL
SCALE: N.T.S.



HOW TO SPECIFY

ESC-XXX-XXX

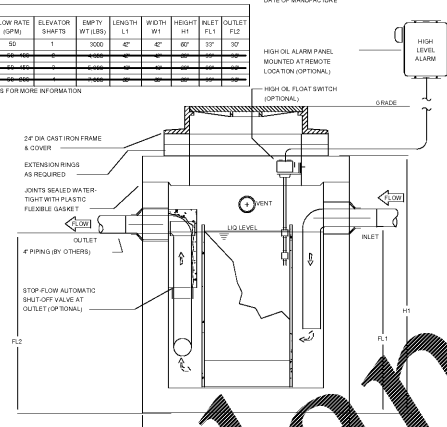
SEPARATOR SIZE
100 - 100 GALLON
150 - 150 GALLON
200 - 200 GALLON
350 - 350 GALLON
ETC...

MAXIMUM FLOW RATE
50 - 50 GPM
100 - 100 GPM
ETC...

ELEVATOR SEPARATOR SCHEDULE

MODEL NO.	CAPACITY USGal	OIL SPILL CAP (GAL)	FLOW RATE (GPM)	ELEVATOR SHAFTS	EMPTY WT (LBS)	LENGTH L1	WIDTH W1	HEIGHT H1	INLET FL1	OUTLET FL2
ESC-100	100	50	50	1	3000	42"	42"	60"	33"	30"
~~ESC-150~~	~~150~~	~~75~~	~~50 - 100~~	~~2~~	~~4,000~~	~~42"~~	~~42"~~	~~60"~~	~~33"~~	~~30"~~
~~ESC-200~~	~~200~~	~~100~~	~~50 - 150~~	~~3~~	~~5,000~~	~~48"~~	~~48"~~	~~60"~~	~~35"~~	~~30"~~
~~ESC-300~~	~~300~~	~~150~~	~~50 - 200~~	~~4~~	~~7,000~~	~~60"~~	~~60"~~	~~60"~~	~~35"~~	~~30"~~

OTHER SIZES ARE AVAILABLE. CONTACT US FOR MORE INFORMATION



PARK ES Separator
Local codes typically use the ASME A17.1/CSA B 44-07 - "Safety Code for Elevators and Escalators" for elevator designs. The ASME standard requires that each elevator shaft have a pump/drain capable of removing a minimum of 3000 gal/hr (50 gal/min) of water per shaft.

This wastewater should be treated prior to discharging into the local sewer. The PARK Elevator Separator is designed for this purpose.

Series ESC coalescing plate separators are designed to receive oily wastewater by gravity or pump flow and process it on a once-thru or circulating basis. There are no moving parts to fail or that require expensive maintenance.

Guaranteed Performance
Pre-engineered coalescing media packs are utilized for enhanced separation which provide SUPERIOR performance compared to other separators which depend on baffles only.

Applications
The Park ESC Separator is specifically designed for elevator sumps which are subject to contamination from the elevator equipment. The separator will remove hydraulic and lubrication oils which could be harmful to the city sewer.

Fail-Safe Design
An automatic stop-valve is built into the separator which STOPS flow when separator reaches maximum oil capacity.

Maintenance
The Park ES Separator only requires minimal maintenance. Oils are removed from the separator by a licensed disposal company.

Call
Contact Engineering Dept. @ for specific performance information.

EPA

ASPE MEMBER

GUARANTEED PERFORMANCE FOR CO... PENETRATION ... SANITARY SEWER 200 PPM STORM SEWER ...

Specifications

CONCRETE : Class 1 concrete with of 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. Rated for H-20 Loading.

REINFORCEMENT: Grade 60 reinforced. No. 4 steel rebar to conform to ASTM ... on required centers or equal. Bar bending and placement shall conform the ... standards.

C.I. CASTINGS: Cast iron ... and grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30.

Engineering Data
Interceptor is structurally and hydraulically engineered conforming ... Uniform Plumbing Code. Nominal total liquid capacity ... oil holding capacity as indicated. Recommended for flow rates ... 200 GPM ... Park for proper ... Manufacturer shall ... performance ... water seperation certified by licensed professional ... Field excavation and preparation ... be completed prior to delivery of interceptor. Use dimensions as shown.

PROJECT :	
CUSTOMER :	
ARCHITECT :	
ENGINEER :	
ORDER # :	
DATE :	

PARK ENVIRONMENTAL EQUIPMENT 8002568041

ExpecttheBest

ELEVATOR SEPARATOR
MODEL ESC

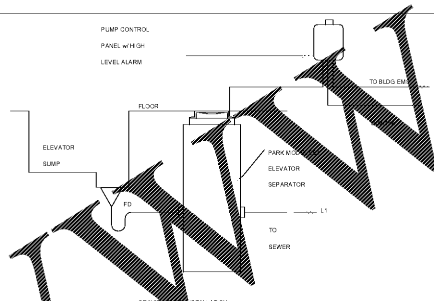
SCALE	DWG. NO.	REV.
NONE		
DATE 12/08	ESC-1.A	A

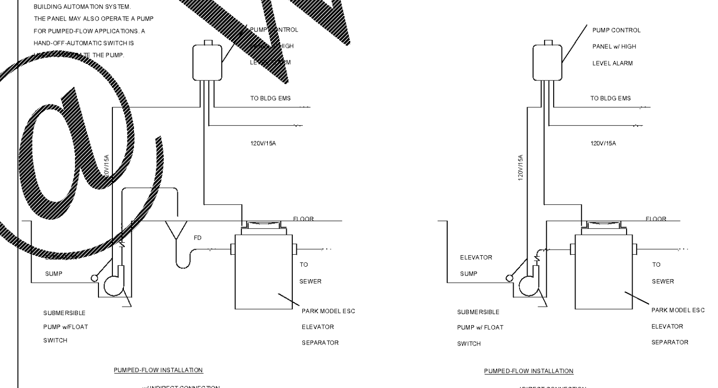
ELEVATOR SEPARATOR
100 GALLON

OPTIONAL SUBMERSIBLE PUMP
A SUBMERSIBLE PUMP IS RECOMMENDED FOR LOW TO HIGH PUMPED FLOW APPLICATIONS. THE SUBMERSIBLE PUMP MOVES THE WASTEWATER MINIMIZING THE EMULSIFICATION OF ANY TRACE OIL. THE PUMP IS ELECTRIC 120V, AND CAN BE OPERATED MANUALLY OR OPERATED AUTOMATICALLY. THESE PUMPS ARE GOOD FOR FLOW RATES OF 5 TO 50 GPM.

OPTIONAL DIAPHRAGM PUMP
A DIAPHRAGM PUMP IS RECOMMENDED FOR VERY LOW PUMPED FLOW APPLICATIONS. THE DIAPHRAGM PUMP MOVES THE WASTEWATER WITHOUT EMULSIFYING ANY TRACE OIL. THE PUMP IS ELECTRIC 120V, AND CAN BE OPERATED MANUALLY OR OPERATED AUTOMATICALLY. THESE PUMPS ARE LIMITED TO LOW FLOW RATES UP TO 3 GPM.

OPTIONAL CONTROL PANEL
A CONTROL PANEL IS AVAILABLE TO ALERT PERSONNEL OF HIGH OIL LEVEL, OR HIGH WATER LEVEL IN THE SUMP. THE PANEL HAS AUDIBLE AND VISUAL ALARMS. DRY CONTACTS ARE USED TO TIE INTO THE BUILDING AUTOMATION SYSTEM. THE PANEL MAY ALSO OPERATE A PUMP FOR PUMPED-FLOW APPLICATIONS. A HAND-OFF-AUTOMATIC SWITCH IS ... THE PUMP.





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HOW TO SPECIFY:

MODEL NUMBER: ES30-HX-PXX

PANEL CONFIGURATION
N - NONE
H - HIGH LEVEL ALARM
P - PUMP CONTROL w/ HIGH LEVEL ALARM

PUMP CAPACITY (GPM)
00 - NO PUMP
05 - 5 GPM
10 - 10 GPM
ETC...

CONFIRM INSTALLATION OPTION WITH AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

PROJECT :	
CUSTOMER :	
ARCHITECT :	
ENGINEER :	
ORDER # :	
DATE :	

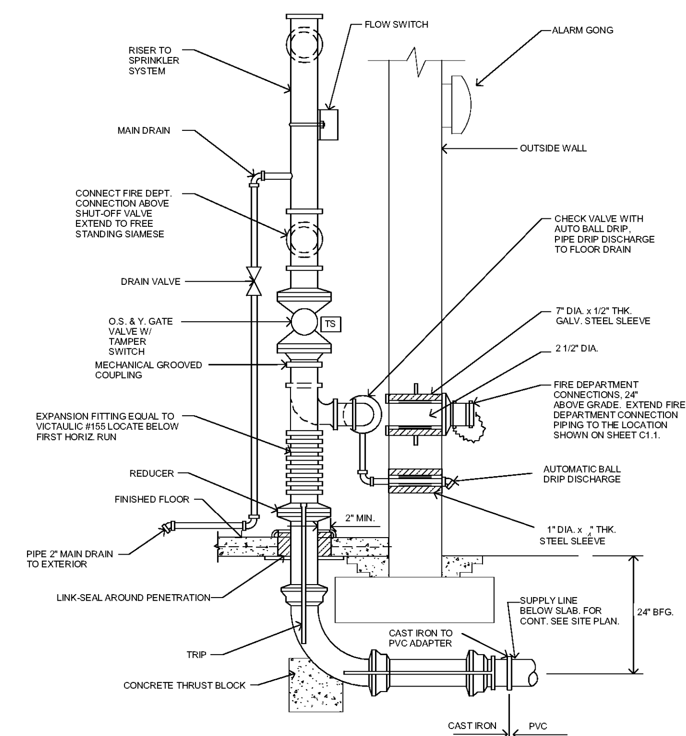
PARK ENVIRONMENTAL EQUIPMENT 8002568041 www.parkUSA.com

ExpecttheBest

Esc Elevator Oil-Water Separator
Installation Diagrams

SCALE	DWG. NO.	REV.
NONE		
DATE 12/08	ESC-1.B	A

3 SAND/OIL SEPARATOR DETAIL
SCALE: N.T.S.



NOTE: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

1 FIRE CONNECTION PIPING SCHEMATIC
SCALE: N.T.S.

JOHN A. TUTEN & ASSOCIATES
ARCHITECTS
4680 U.S. HIGHWAY 17 NORTH
BRUNSWICK, GEORGIA 31525
www.johntuten.com

GLYNN ACADEMY HIGH SCHOOL
SCIENCE BLDG. (5015) MODERNIZATION
1001 MANSFIELD ST. BRUNSWICK GA, 31520
GLYNN COUNTY BOARD OF EDUCATION

CAPITAL OUTLAY
PROJECT # TBD
SYSTEM CODE: 663
SCHOOL CODE: 4752
FTE: 1793

PLUMBING DETAILS

GEORGIA REGISTERED No. 23205 PROFESSIONAL ENGINEER D. J. PENN

ISSUED FOR:
BID SET

JV, MP
DRAWN BY
DPCE
CHECKED BY
DJP
APPROVED BY
01/18/19
PROJECT DATE
1802
PROJECT NUMBER

SHEET NUMBER:
P5.02

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dpce
DON PENN CONSULTING ENGINEER
1301 SOLANA BLVD.
BLDG. 1 | SUITE 1420
WESTLAKE, TX 76262
O 817.410.2858 | F 817.251.8411

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