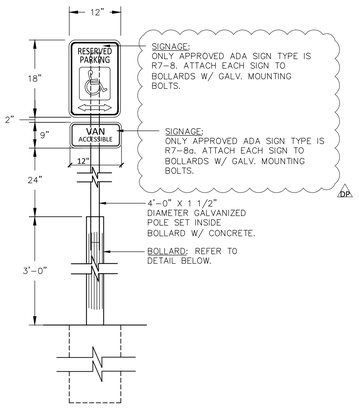
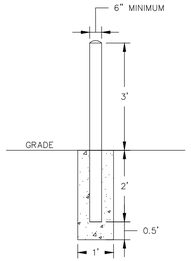
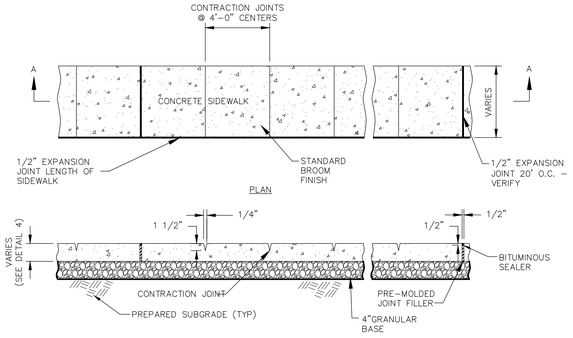




NOTE
BOLLARDS MUST BE STEEL PIPE (6" MINIMUM) AND FILLED WITH CONCRETE.

BOLLARD DETAIL
SCALE: NO SCALE

1 C4.0 HANDICAP PARKING SIGN
NO SCALE

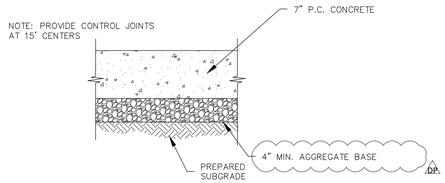


SECTION A-A

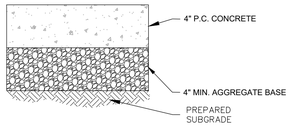
2 C4.0 TYPICAL SLAB JOINT DETAILS
NO SCALE

SUBGRADE PREPARATION NOTE

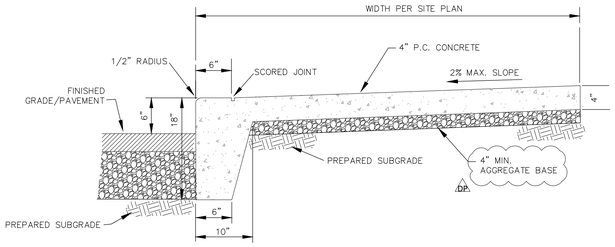
ALL EXPOSED AND/OR DISTURBED GRANULAR BASE AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF OPTIMUM DENSITY IN ACCORDANCE W/ASTM D 1557 AT OPTIMUM MOISTURE CONTENT AND TO A MINIMUM DEPTH OF 8" – ALL SUBGRADE SOIL AREAS EXPOSED BY EXCAVATIONS AND GRADING SHALL BE COMPACTED TO A MINIMUM OF 95% OF OPTIMUM DENSITY IN ACCORDANCE W/ASTM D 1557 AT OPTIMUM MOISTURE CONTENT AND TO A MINIMUM DEPTH OF 12" – FILL WHERE REQUIRED SHALL BE PLACED IN LIFTS NOT TO EXCEED 8" LOOSE MEASURE AND SHALL BE COMPACTED AS OUTLINED ABOVE – THE ON SITE TESTING COMPANY SHALL PROVIDE TESTING AND INSPECTION OF THE SOIL WORK PRIOR TO PLACING CONCRETE



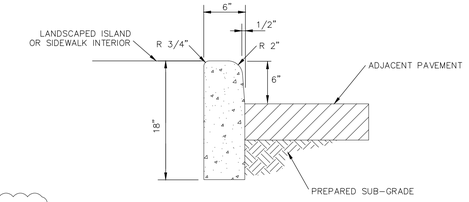
3 C4.0 CONCRETE PAVEMENT DETAIL
NO SCALE



4 C4.0 CONCRETE SIDEWALK DETAIL
NO SCALE



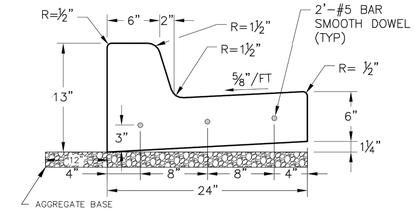
5 C4.0 COMBINATION CURB & SIDEWALK DETAIL
NO SCALE



6 C4.0 BARRIER CURB DETAIL
NO SCALE

NOTES:
1. ALL CONCRETE SHALL MEET THE CONCRETE MIX REQUIREMENTS IN DESIGN AND CONSTRUCTION MANUAL LS SECTION 2604.2.A.
2. ALL CONSTRUCTION MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL ORDINANCES.
3. ANY UNSUITABLE SOIL (AS DETERMINED BY SOILS ENGINEER) BELOW STRUCTURE SHALL BE REMOVED AND REPLACED WITH SELECT EARTHEN MATERIAL COMPACTED IN PLACE WITH VIBRATORY TAMPER.
4. PROVIDE 1/2" EXPANSION JOINTS AT 20' CENTERS.

DP



STRAIGHT BACK CURB & GUTTER
(TYPE CG-1)

7 C4.0 CONCRETE CURB AND GUTTER DETAIL
NO SCALE

DP

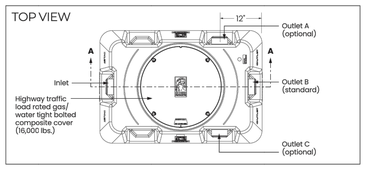
SPECIFICATIONS

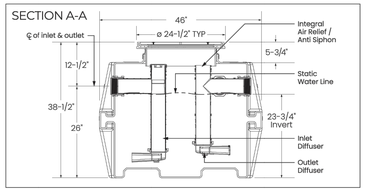
NOTES
1. 4" plain end inlet/outlet
2. Unit weight - w/composite covers: 130 lbs.; w/cast iron covers: 210 lbs. (For wet weight add 1,041 lbs.)
3. Maximum operating temperature: 150° F continuous
4. Capacities - Liquid: 125 gal.; Grease: 653 lbs. Solids: 19.2 gal.
5. Built-in Flow control. For series installations, only install flow control on the first unit in the series if necessary.
6. For gravity drainage applications only.
7. Do not use for pressure applications.
8. Cover placement allows full access to tank for proper maintenance.
9. Vent not required unless per local code.
10. Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping. For series installations, the top of the inlet diffuser on the first unit in the series must be sealed.
11. Integral air relief / Anti-siphon / Sampling access.
12. Fixed outlet models (-FO) have outlet permanently welded at the factory in the straight-through (B) position.

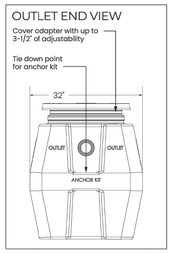
DIFFUSION FLOW TECHNOLOGY
The inlet diffuser splits influent into three paths, creating laminar flow and utilizing the entire liquid volume of the tank for efficient grease separation. The calibrated openings greatly reduce effluent turbulence. The effluent enters the main chamber without disturbing the existing grease or sediment layers. The integral air relief / anti-siphon in the top of the outlet diffuser allows pressure stabilization within the unit during operation. The bottom of the outlet diffuser allows only effluent which is free of grease to exit the tank. It can easily be attached to any of the three outlets provided to ease job site piping layouts.

ENGINEER SPECIFICATION GUIDE
Schier Great Basin™ grease interceptor model # GB-75 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (type C) and CSA B481.1 with field adjustable riser system, built-in flow control and three outlet options. Interceptor flow rate shall be 75 GPM. Interceptor grease capacity shall be 653 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

CERTIFIED PERFORMANCE
Great Basin hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.







Rated Grease Capacites for Units Piped in Series

No. of Units in Series	Removal Efficiency	
	100 GPM	
	96.6%	99%*
2	1,522 lbs.	861 lbs.
3	2,175 lbs.	1,598 lbs.
4	3,044 lbs.	2,335 lbs.
5	3,697 lbs.	3,072 lbs.
6	4,566 lbs.	3,809 lbs.
7	5,219 lbs.	4,546 lbs.
8	6,088 lbs.	5,283 lbs.

Units piped in series are certified to ASME A112.14.3 (Type C) and CSA B481.1 and include an internal flow control. External flow control with vent not required. Testing was peformed on a series installation of 2 GB-75 units, capacities for more than 2 units piped in series were calculated using the results of the 2-series test.

* Satisfies Miami DERM 99% efficiency requirements

SCHIER LIFETIME GUARANTEED GREASE INTERCEPTORS

MODEL NUMBER: GB-75 | **DESCRIPTION:** 75 GPM Polyethylene Grease Interceptor

PART #: 4045-001-02 | DWG BY: B. Karrer | DATE: 4/29/2020 | REV: | ECO:

9506 Woodend Road | Edwardsville, KS 66111 | Tel: 913-951-3300 | www.schierproducts.com

8 C4.0 GREASE TRAP DETAIL
NO SCALE

CC

CASCO CIVIL
A CASCO Diversified Corporation Company
12 Summers Drive, Suite 100, St. Louis, MO 63143 T: 314.821.1100

BUILDING RENOVATION
155 SW M-150 HIGHWAY
LEE'S SUMMIT, MO 64082

CONSTR. DOC. & REVISIONS

No.	Description	Date
DP	Development Plan Response	06-17-20
CC	City Comments	06-30-20

CASCO DIVERSIFIED CORPORATION
CERTIFICATE OF AUTHORITY
#000613 12/31/21

STATE OF MISSOURI
THOMAS E. BUERK III
NUMBER PE-2018000174
PROFESSIONAL ENGINEER

06/30/20

PROFESSIONAL OF RECORD
Buerk III, Thomas E.
License NO. PE-2018000174
Expiration Date 12/31/20

Drawn By/Checked By:	MEB/TEB
Project Number	320488
Permit Date	06-30-20

SITE DETAILS

C4.0