RENOVATION BUILDING

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



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

Drawn By/Checked By: MEB/TEB Project Number 06-17-20 Permit Date

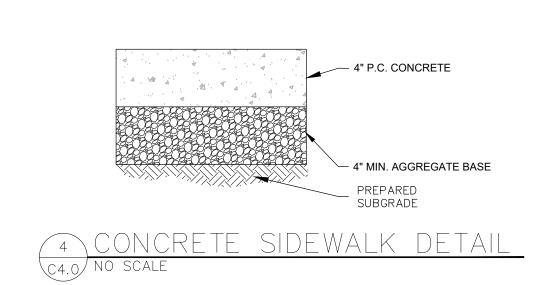
SITE DETAILS

CONTRACTION JOINTS ⊚ 4'-0" CENTERS CONCRETE SIDEWALK 1/2" EXPANSION ∽STANDARD └-1/2" EXPANSION JOINT LENGTH OF BROOM JOINT 20' O.C. -FINISH SIDEWALK VERIFY - 1/2" 1 1/2" — - BITUMINOUS CONTRACTION JOINT PRE-MOLDED JOINT FILLER--PREPARED SUBGRADE (TYP) - 4"GRANULAR

SECTION A-A

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



PREPARED

SUBGRADE

NCONCRETE PAVEMENT DETAIL

─ 7" P.C. CONCRETE

4" MIN. AGGREGATE BASE

LANDSCAPED ISLAND OR SIDEWALK INTERIOR \ ADJACENT PAVEMENT PREPARED SUB-GRADE

ALL CONSTRUCTION MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL ORDINANCES.

NOTES:

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.

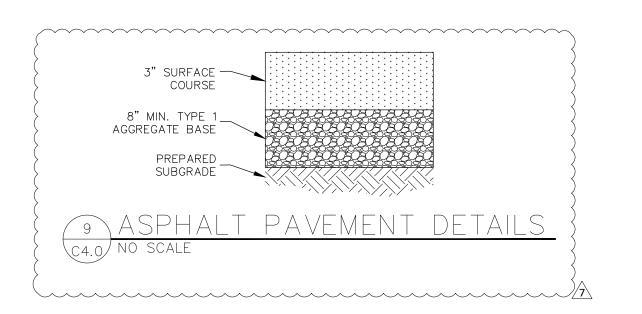
1. ALL CONCRETE SHALL MEET THE CONCRETE MIX REQUIREMENTS IN

DESIGN AND CONSTRUCTION MANUAL LS SECTION 2604.2.A.

NOTE: PROVIDE CONTROL JOINTS AT 15' CENTERS

4. PROVIDE 1/2" EXPANSION JOINTS AT 20' CENTERS.





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

C4.0 NO SCALE

RESERVEI PARKING

3'-0"

GRADE

ONLY APPROVED ADA SIGN TYPE IS R7-8. ATTACH EACH SIGN TO BOLLARDS W/ GALV. MOUNTING

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R7-8a. ATTACH EACH SIGN TO BOLLARDS W/ GALV. MOUNTING

-4'-0" X 1 1/2"

— 6" MINIMUM

BOLLARDS MUST BE STEEL PIPE (6" MINIMUM)

1 HANDICAP PARKING SIGN

TOP VIEW

Hiahway traffic

oad rated gas/

water tight bolted composite cover (16,000 lbs.)

SECTION A-A

 \mathbb{Q} of inlet & outlet -

38-1/2"

AND FILLED WITH CONCRETE.

SCALE: NO SCALE

POLE SET INSIDE

DIAMETER GÁLVANIZED

BOLLARD W/ CONCRETE.

- <u>BOLLARD</u>: REFER TO DETAIL BELOW.

- 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

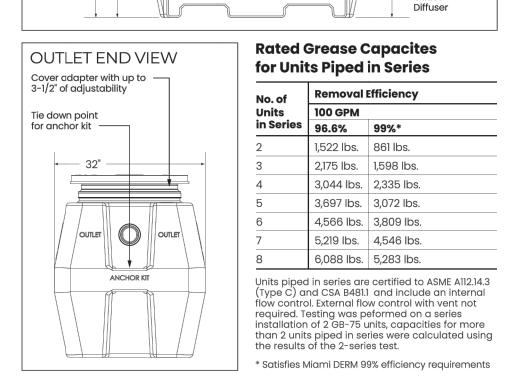
three outlets provided to ease job site piping layouts. **ENGINEER SPECIFICATION GUIDE**

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.





← Ø 24-1/2" TYP —

Air Relief /

5-3/4"

_ Anti Siphon

Water Line

Diffuser



8 GREASE TRAP DETAIL
C4.0 NO SCALE

COMBINATION CURB & SIDEWALK DETAIL

SCORED JOINT

1/2" RADIUS

FINISHED

GRADE/PAVEMENT -

PREPARED SUBGRADE -

-2'-#5 BAR SMOOTH DOWEL (TYP) $-R = \frac{1}{2}$ " **13**" ∠ AGGREGATE BASE

> STRAIGHT BACK CURB & <u>GUTTER</u> (TYPE CG-1)

7 CONCRETE CURB AND GUTTER DETAIL C4.0 NO SCALE

WIDTH PER SITE PLAN

> PREPARED SUBGRADE

— 4" P.C. CONCRETE

2% MAX. SLOPE

AGGREGATE BASE