This form has been completed by : _____ Date: _____
(Form to be completed by the Consulting Engineer and included with plans on the initial submittal)

UTILITIES DEPARTMENT

ENGINEERING

GREASE INTERCEPTOR CHECKLIST

SWSR# _____
Utilities Staff _____
Date _____

DISCLAIMER - This checklist is provided to Consulting Engineers for the express purpose of assisting them in compiling design plans for submittal to the Pierce County Utilities Department. This checklist is merely a guide to assist the design engineer in providing the minimum information required for plan submittal. This checklist should be utilized in conjunction with the grease interceptor standard plans in completing your design. The complexity of your design may require additional information not included on this checklist. This checklist may be revised from time to time and the design engineer should insure that he/she has the most recent copy prior to compiling a design.

GENERAL

	YES	NO	(Items #1 - #9 must be on plans)
1.	__	__	Project Name: _____
2.	__	__	Project Address: _____
3.	__	__	Engineer Name: _____
4.	__	__	Address: _____
5.	__	__	Phone: _____
6.	__	__	Owner Name: _____
7.	__	__	Address: _____
8.	__	__	Phone: _____
9.	__	__	Parcel No.(s): _____

	YES	NO	
10.	__	__	Field topography provided by the engineer or surveyor for the firm designing this project. If not the currently licensed surveyor/engineer, the field topography was provided by _____.
11.	__	__	Vicinity Map, identify project location on map.
12.	__	__	Plans stamped, signed and dated by licensed Engineer.
13.	__	__	Plan sizes (18" x 24" minimum, 24" x 36" maximum).
14.	__	__	Approval signature block in upper right hand corner.
15.	__	__	"This construction plan expires one (1) year from date of approval", inside or under signature block.
16.	__	__	Engineering scale and north arrow, north arrow to top, left or right of page.
17.	__	__	Adjacent roads identified. Include edge of pavement, road centerline, utilities, shoulder ditch, etc.
18.	__	__	All buildings on parcel shown on plans.
19.	__	__	Floor plan and plumbing drawing of existing/proposed building which the interceptor is serving, showing how all fixtures (floor drains, sinks, dishwashers, etc.) are to be discharged through the interceptor. Also, route for facilities not discharged through interceptor (restrooms, etc.).
20.	__	__	If internal plumbing change required, then note on plans "Pierce County Building Department plumbing permit required for all internal plumbing changes" (existing structures only).
21.	__	__	All existing/proposed utilities shown on plans.
22.	__	__	Contour interval two feet and/or spot elevations (if not enough change in grade to show two foot contours) to confirm proper cover and slope of pipes.
23.	__	__	Pierce County Datum, location and elevation.
24.	__	__	Bearing and distance for all property lines.
25.	__	__	Interceptor design to be on one sheet, if at all possible.
26.	__	__	Standard Pierce County Utilities construction notes for grease interceptor

	YES	NO	
			shown on plans.
27.	__	__	Verify the correct invert elevation at point of connection to the existing sewer line or side sewer stub.
28.	__	__	All existing and proposed manholes, cleanouts and sewer lines, located on or adjacent to parcel? (label existing sewer lines as dashed lines, and proposed sewer lines as solid lines).
29.	__	__	Is the length, size, slope and type of pipe shown on the plans? (minimum 6" pipe).
30.	__	__	Any ductile iron pipe used must be class 52.
31.	__	__	Minimum cover over pipe: Driving Area: 5 Feet (PVC), 3 Feet (D.I.); Non-Driving Area: 3 Feet (PVC), 3 Feet (D.I.)
32.	__	__	All building sewers shall have a 2% minimum slope.
33.	__	__	Manholes and cleanouts located outside of paved areas require watertight locking lids and concrete collars.
34.	__	__	All utilities crossing sewer lines must have proper vertical clearance. The standard vertical separation for water lines is 3 feet above the sewer line and 1.5 feet for all other utilities. Concrete encasement will be allowed for water mains crossing at less than 3 feet but no closer than 1.5 feet. The sanitary sewer encasement shall be 10 feet on each side of the crossing.
35.	__	__	Parallel sewer and water lines must have ten (10) feet of horizontal separation.
36.	__	__	Straight alignment between manholes and/or cleanouts.
37.	__	__	Cleanouts are required at 100 foot intervals for 6" pipe that does not terminate in a manhole. Maximum length is 200 feet.
38.	__	__	350 L.F. maximum between manholes.
39.	__	__	Interceptor Sizing Criteria Based on 1988 Uniform Plumbing Code - Appendix "H". The number of meals per peak hour used to size the interceptor shall not be less than the total seating capacity of the restaurant.
40.	__	__	Sizing calculations shall be shown on the plans.

	YES	NO	
41.	__	__	Fast food establishments shall not be sized based on single service kitchen values.
42.	__	__	"MiniMarket" type establishments may base peak meal per hour value on 70% of total occupancy.
43.	__	__	Each business for which an interceptor is required shall have an interceptor which shall serve only the business.
44.	__	__	Plans must list and show all plumbing fixtures connected to the interceptor.
45.	__	__	The interceptor shall be installed as close as possible to source of grease.
46.	__	__	The interceptor shall be located where it is easily accessible for inspection and maintenance.
47.	__	__	Must maintain a minimum 1:1 slope set back from base of building foundation to the bottom of excavation where interceptor is to installed.
48.	__	__	Venting must be from interceptor access manholes or as approved by the Utilities Department.
49.	__	__	Size of venting in accordance with chapters 4, 5, & 7 of Uniform Plumbing Code.
50.	__	__	Interceptor detail (top and side views) must include:
	__	__	a. Invert elevations at inlet and outlet.
	__	__	b. Elevation at base of interceptor, top of interceptor, and at ground level over interceptor.
	__	__	c. Manufacture and Model Numbers of all manufactured units.
	__	__	d. Interceptor size (gallons) and interior dimensions (height to designed water level, width and length) to insure that proper volume is provided. The minimum size is 750 gallons.
	__	__	e. A six (6) inch diameter cleanout (Straight Tee Riser) is required on the outlet side of the Interceptor.
	__	__	f. Additional test tee located downstream from "Y" wherein the effluent from interceptor has been combined with the effluent from the restrooms and/or other facilities not allowed to be connected to the interceptor.

YES NO

__ __ g. 24 inch minimum access hole(s) with gas tight manhole frame and cover.

__ __ h. Minimum of two (2) compartments with fittings designed for grease retention.

__ __ i. Adequate number of access manholes to provide for cleaning all compartments of interceptor.

__ __ j. If the interceptor is in a traffic area or loading area, adequate reinforcement is required to insure that it can sustain HS 20 loading.

__ __ k. All sewer line connections to the interceptor shall be core drilled and sealed with non-shrink grout.

__ __ l. Interceptor Vault shall be waterproofed with coal tar epoxy or Utilities Department approved equal.

SUBMITTAL REQUIREMENTS

YES NO

51. __ __ A $50.00 non-refundable deposit review fee for plan review and inspection plus $185.00 for a sewer service permit for a total of $235.00 must be paid at the time of plan submittal. The check shall be made out to Pierce County.

52. __ __ Submittal is to include a completed current Time and Materials Account Information Form to designate who will be responsible for additional time and materials should they exceed the amount of the deposit.

53. __ __ Two (2) sets of plans are required for the initial submittal. Once the plans are ready for approval, the Utilities Department will require five (5) sets of plans for signature.

(Date: September 16, 1991)
(Revised September 14, 1993; Minor Revision May 23, 2002)

YES NO