

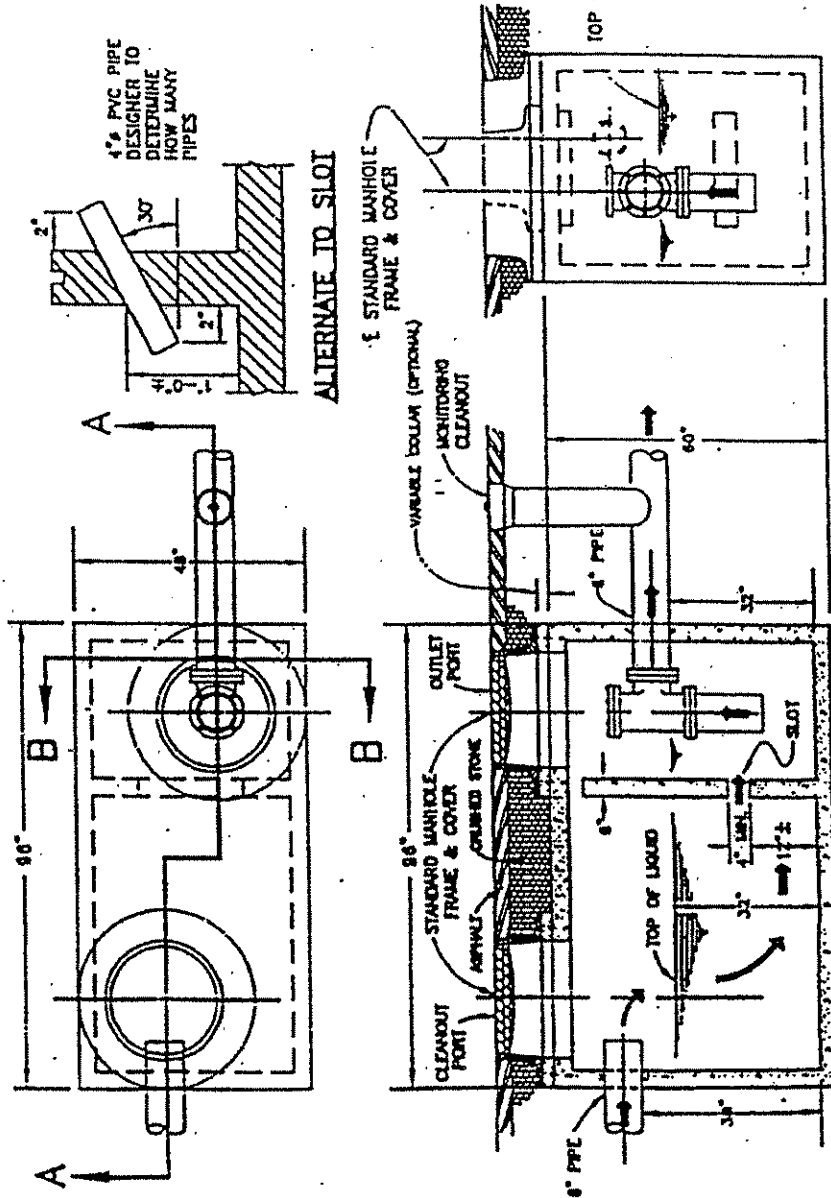
Grease Trap Specifications:

- A. Use: The grease trap is to be used as a floating liquid and solid separation unit prior to allowing wastewater containing oils, greases and fats to flow into the Lake in the Hill's Sanitary District sewer. Garbage grinders (disposals) should not be on a connection upstream of a grease trap.
- B. Location: The final end of the trap should be located a distance not more than five (5) feet from the outer perimeter of the structure at a point nearest the area where the separate kitchen line emerges from the building. The effluent line is to be connected to the public sewer. In addition, the tank must be located in a position accessible to fault-clearing trucks. Both cleanout and outlet ports must be fitted with a standard traffic manhole and frame, and cover.
- C. Construction: Cast iron or PVC piping shall be used for the influent to the grease trap. The effluent pipe to the public sewer may be cast iron or other materials meeting the local and state plumbing code. The joints shall be of watertight construction. Joints to outside of trap may be flexible material.

D. Design and Sizing:

- 1) Items to consider in the design of a grease trap are:
 - a) Accessibility of the trap to assure convenience in cleaning and removal of accumulated grease.
 - b) The distance between inlet pipe and outlet pipe shall be maintained so that adequate separation of grease and wastewater occurs, and short circuiting is minimized.
 - c) Venting is not necessary for units that have piping of sufficient size such that siphonage of the outlet pipe is unlikely.
 - d) Monitoring cleanout required on discharge pipe.
- 2) Requirement: This plan shown hereon represents one concept only of a trap of 1000 gallon capacity of liquid when in operation.

E. Structural Design: It is the responsibility of the applicant to provide structural design (concrete thickness and composition with appropriate reinforcing steel) to meet the anticipated live and dead loads.



**1000 GALLON
CONCRETE GREASE TRAP**

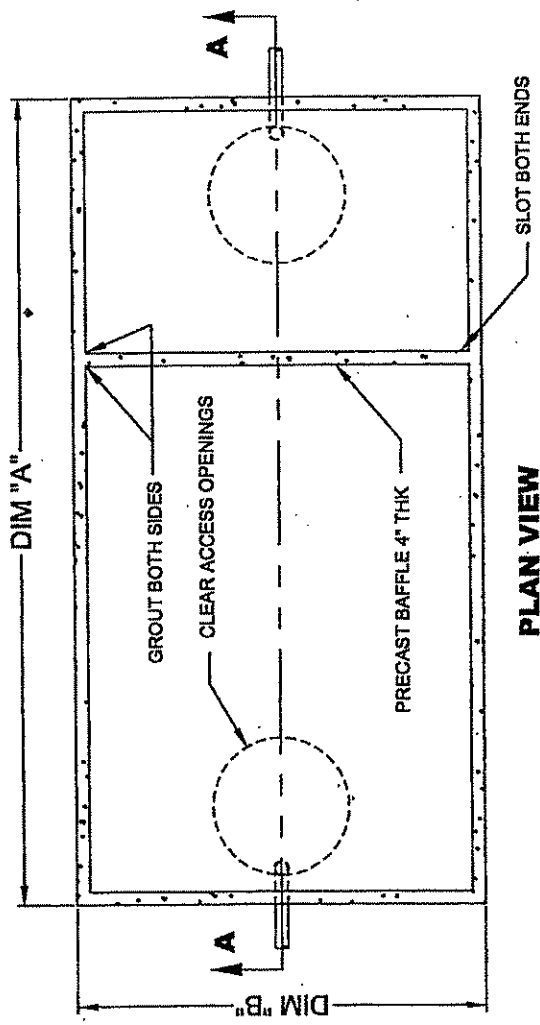
(NEW BUILDING)

SECTION B-B

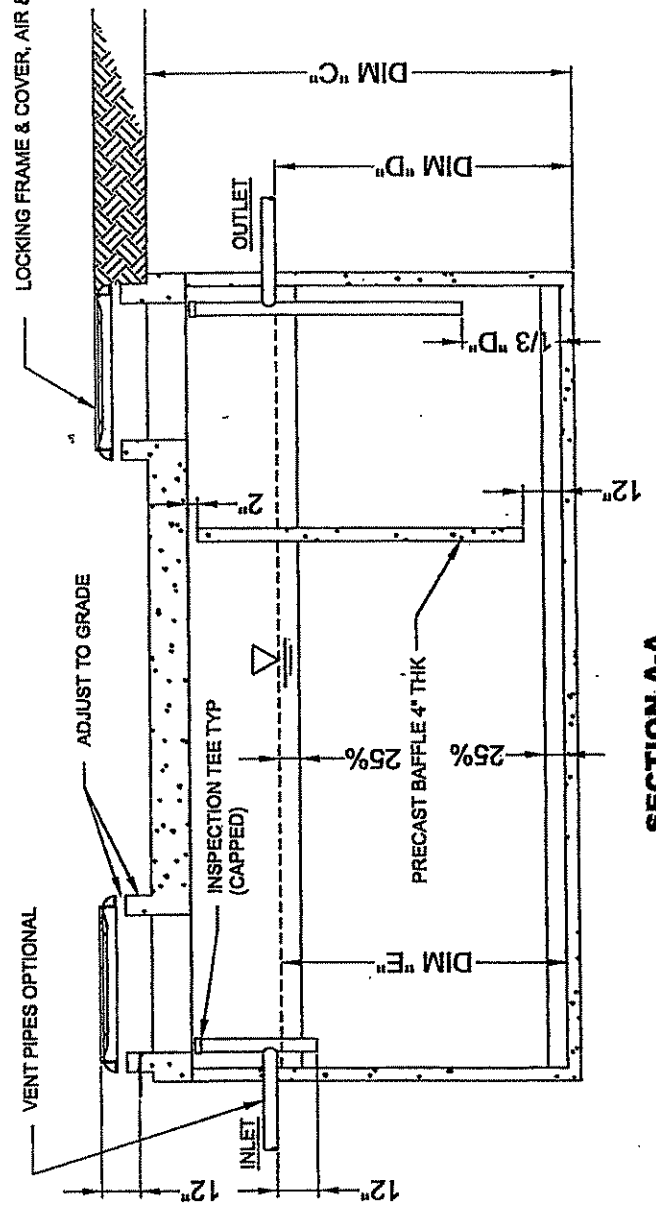
SECTION A-A

SIZING CHART

GALLON CAPACITY	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
600	7'-0"	4'-8"	7'-0"	3'-6"	3'-2"
750	7'-0"	4'-8"	7'-0"	4'-3"	3'-11"
1000	9'-0"	5'-0"	7'-2"	4'-2"	3'-10"
1250	9'-0"	5'-0"	7'-2"	5'-2"	4'-10"
1500	11'-2"	5'-8"	7'-2"	4'-4"	4'-0"
1750	11'-2"	5'-8"	7'-2"	4'-11"	4'-7"
2000	12'-8"	6'-8"	8'-0"	4'-7"	3'-10"
2500	12'-8"	6'-8"	8'-0"	5'-6"	4'-9"
2750	12'-8"	6'-8"	8'-0"	6'-0"	5'-3"
3000	15'-7"	9'-7"	8'-6.5"	5'-0"	3'-9"
4000	15'-7"	9'-7"	8'-6.5"	6'-3"	5'-0"
5000	19'-11"	9'-11"	8'-11"	6'-2"	4'-9"
6000	19'-11"	9'-11"	10'-5"	7'-2"	5'-8"
7000	20'-6"	10'-6"	10'-9"	7'-6"	6'-0"



PLAN VIEW

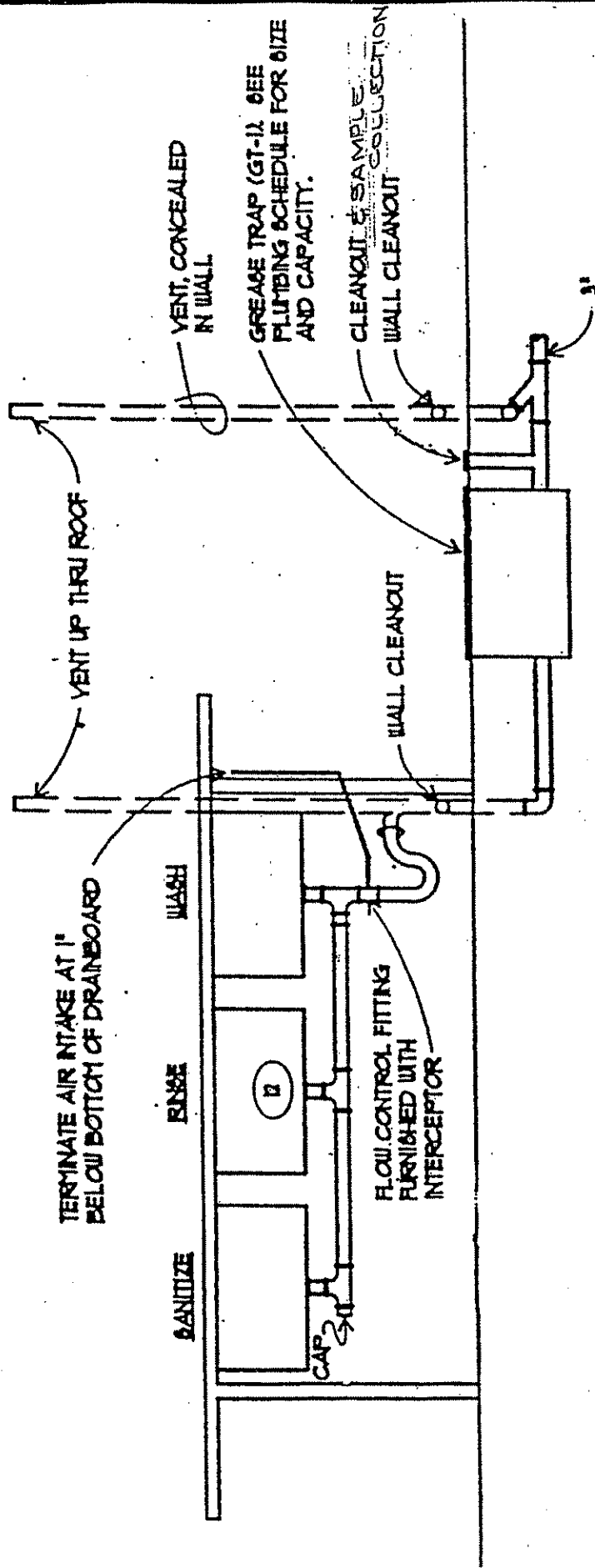


SECTION A-A

NOTES:

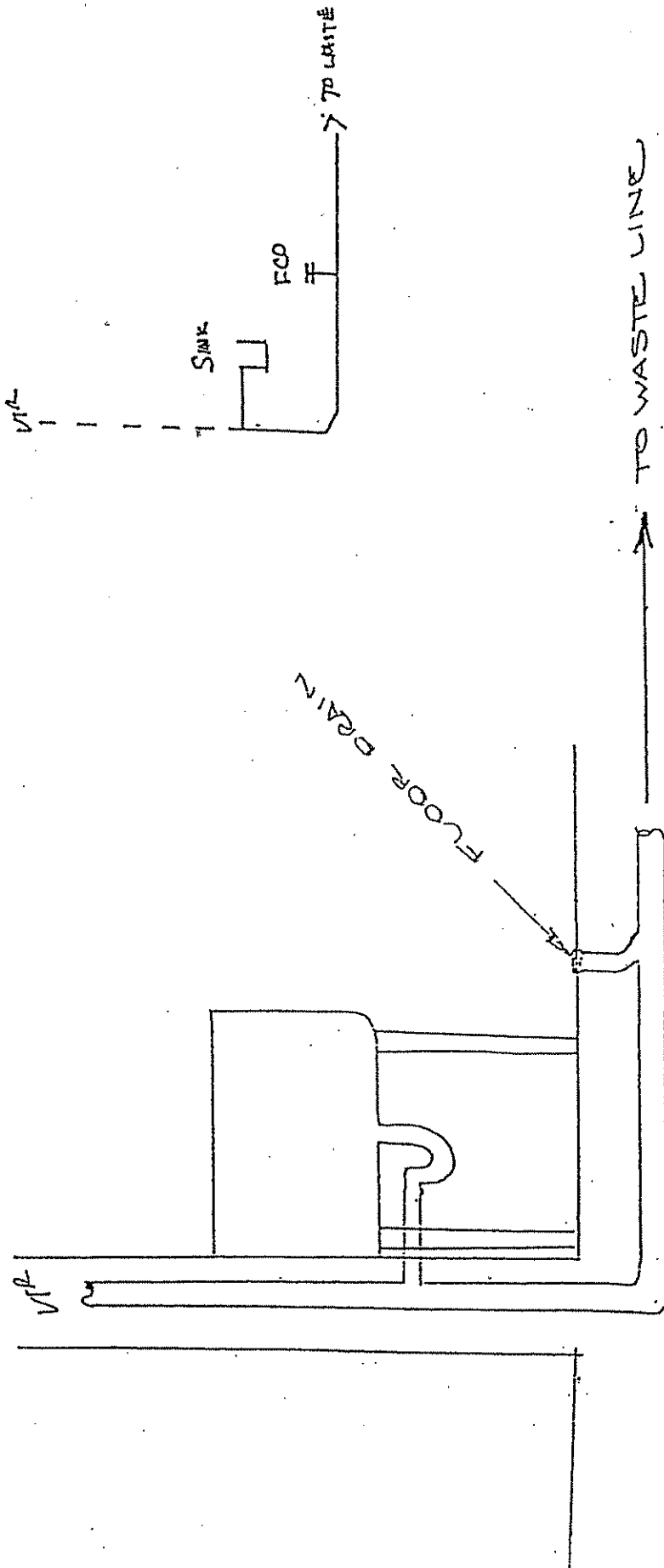
1. CONCRETE: 28 DAY f_c 4500 psi
2. REBAR: ASTM A615 GRADE 60
3. MESH: ASTM A185 GRADE 65
4. DESIGN: AC1318-83 BUILDING CODE
ASTM C857 MINIMUM STRUCTURAL DESIGN
LOADING FOR UNDERGROUND PRECAST
CONCRETE UTILITY STRUCTURES
5. LOADS: H-20 TRUCK WHEEL W/30X IMPACT PER AASHTO
6. FILL W/CLEAN WATER PRIOR TO START UP OF SYSTEM
7. CONTRACTOR TO SUPPLY & INSTALL ALL PIPING AND
SANITARY TEES, 4 CLEANOUTS, FOR CLEANING TOWARD
TRAP AND FOR CLEANING AWAY FROM TRAP ON BOTH THE
INLET AND OUTLET/ALT. DUAL SWEEP CLEAN OUTS
8. GRAY WATER ONLY, BLACK WATER SHALL BE CARRIED
BY SEPARATE SEWER.

(STRUCTURAL DESIGN IS THE RESPONSIBILITY OF THE APPLICANT)

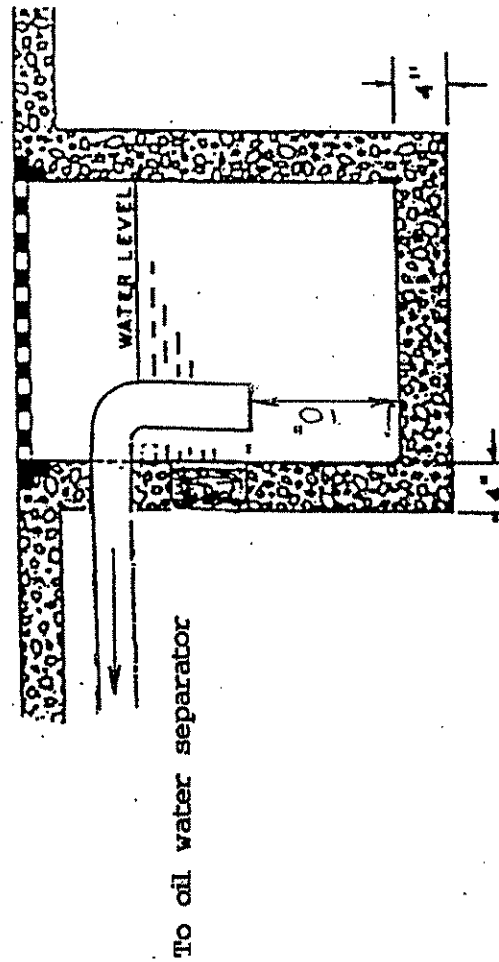


3-COMP SINK & GREASE TRAP DETAIL (EXISTING BUILDING)
 SCALE: NO SCALE

TYPICAL PHOTO / X-RAY PROCESSOR SINK DISCHARGE
MONITORING ACCESS POINT



TYPICAL SAND TRAP FOR VEHICLE WASH/SERVICE BAY



*Garage Sand Trap. A garage sand trap shall be constructed of concrete with a heavy cover or grate. The minimum size shall be 2 feet by 4 feet and shall have sufficient depth so that there is at least a 10-inch vertical distance between the bottom of the outlet elbow and the bottom of the trap. Sand traps shall be provided with a 4-inch vent.

