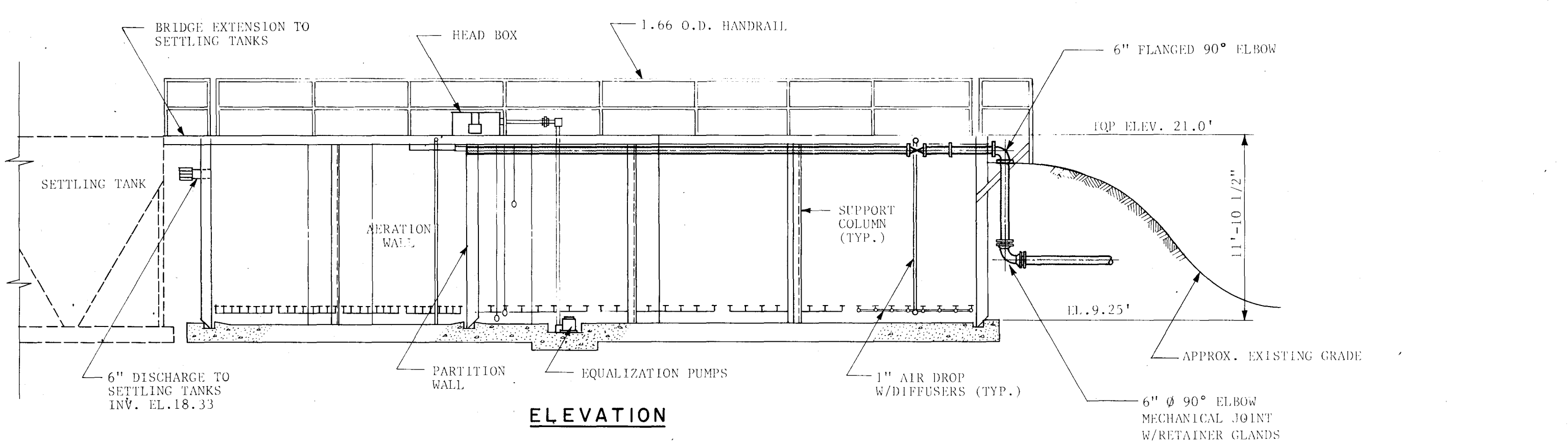
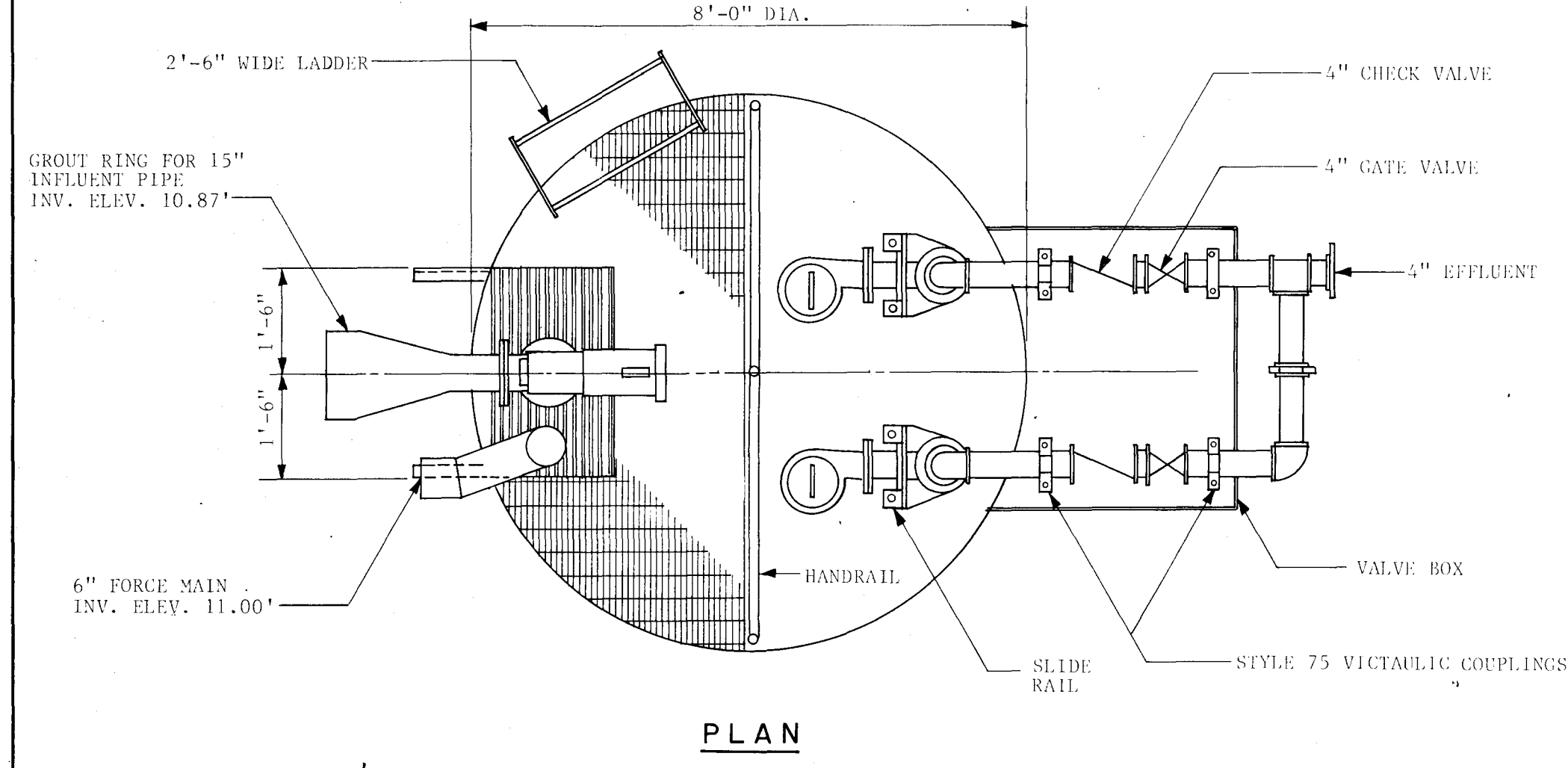


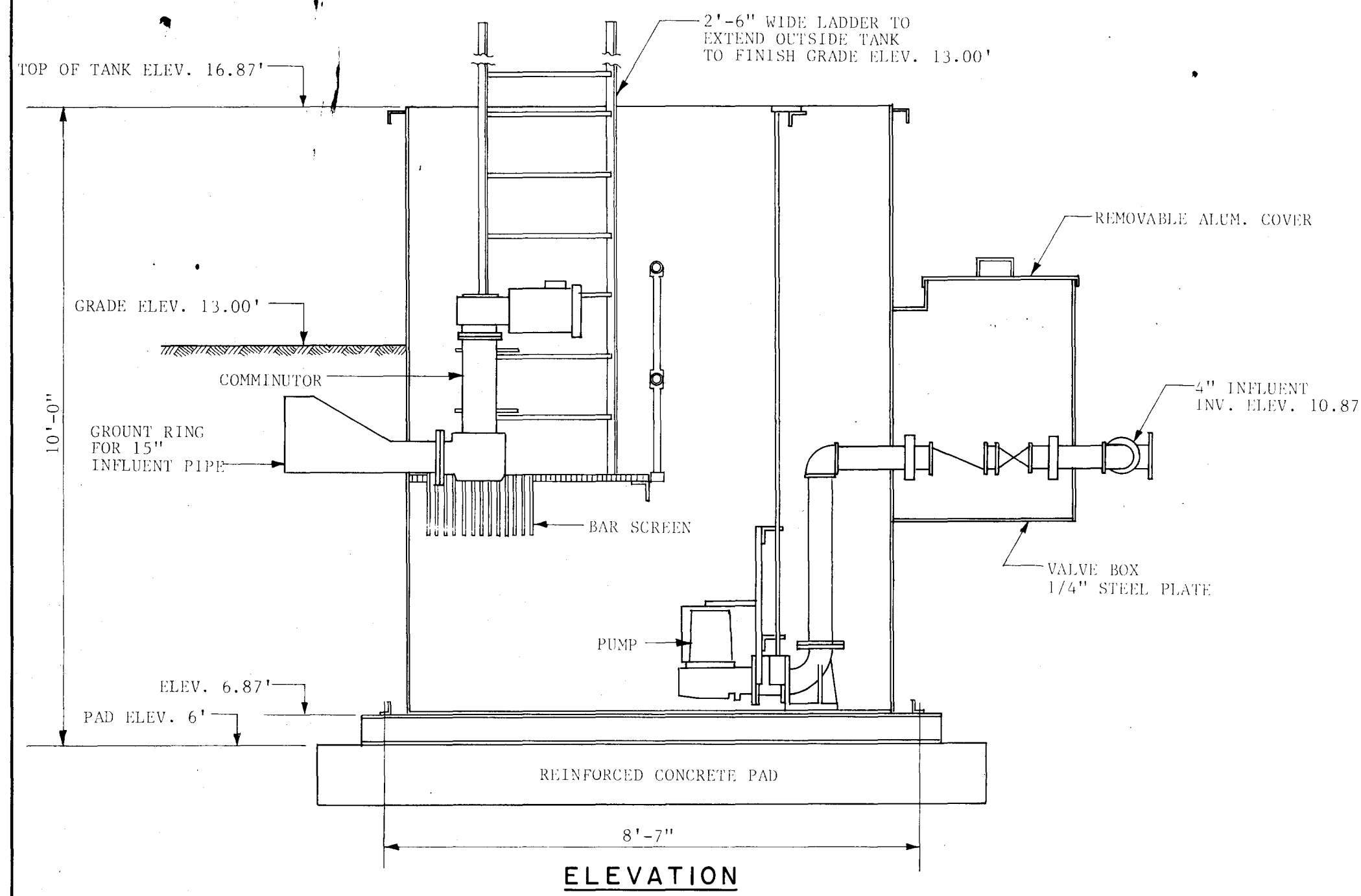
PLAN



SEWAGE TREATMENT PLANT  
NOT TO SCALE



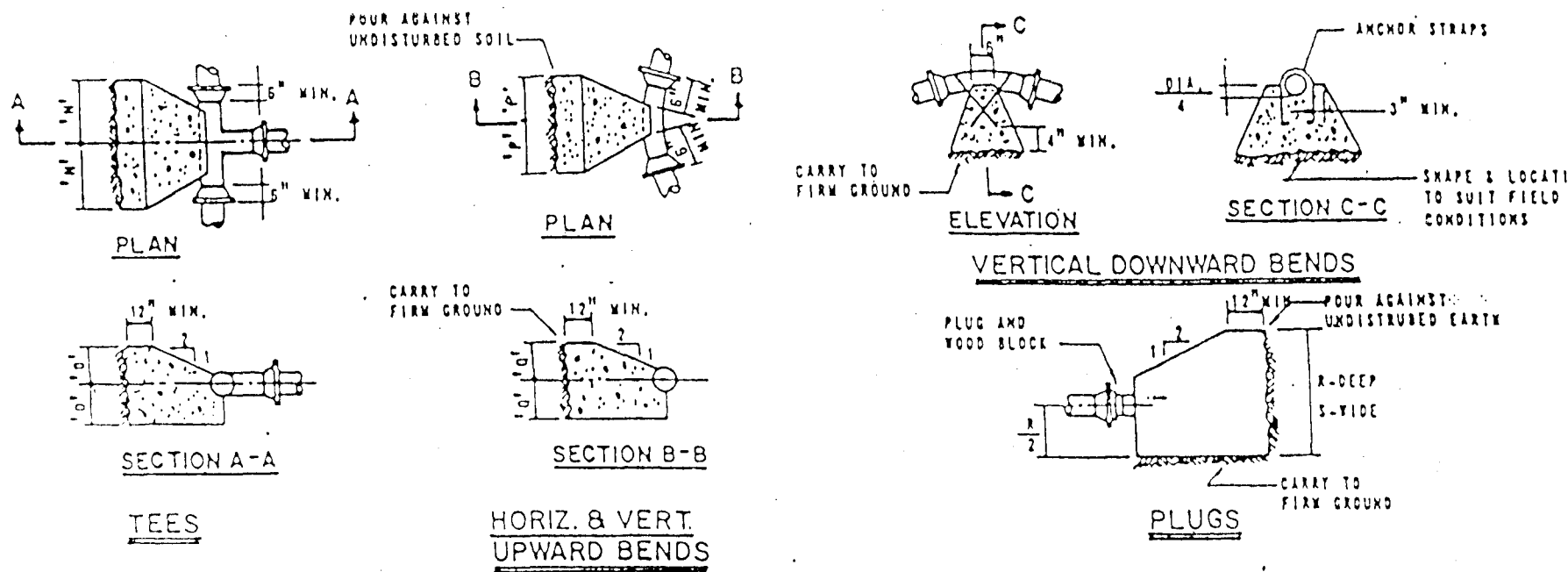
PLAN



ELEVATION

PUMPING STATION 001 TO BE ABANDONED  
NOT TO SCALE

- GENERAL NOTES FOR THE ABANDONMENT OF THE PUMP STATION
- THE GOVERNMENT WILL RETAIN THE FOLLOWING EQUIPMENT AFTER THE PUMP STATION IS ABANDONED:
    - BOTH SEWAGE LIFT PUMPS
    - COMMUNICATOR
    - PUMP CONTROL CENTER
    - COMMUNICATOR CONTROL CENTER
    - EXISTING DISCHARGE CHECK AND GATE VALVES (TWO EACH).
  - THE ELECTRICAL SERVICE TO THIS STRUCTURE WILL BE DISCONNECTED AT THE SUPPLY SOURCE, AND THE ELECTRICAL SERVICE AND INFLUENT AND EFFLUENT PIPING SEALED AND ABANDONED IN PLACE.
  - THE STRUCTURE ITSELF WILL BE DEMOLISHED AND COMPLETELY REMOVED ALL EXCEPT FOR THE REINFORCED CONCRETE PAD, THEN BACKFILL THE AREA WITH SAND TO ONE FOOT BELOW GRADE AND THE GROUND SURFACE RESTORED BY TOPSOIL AND SEEDING.

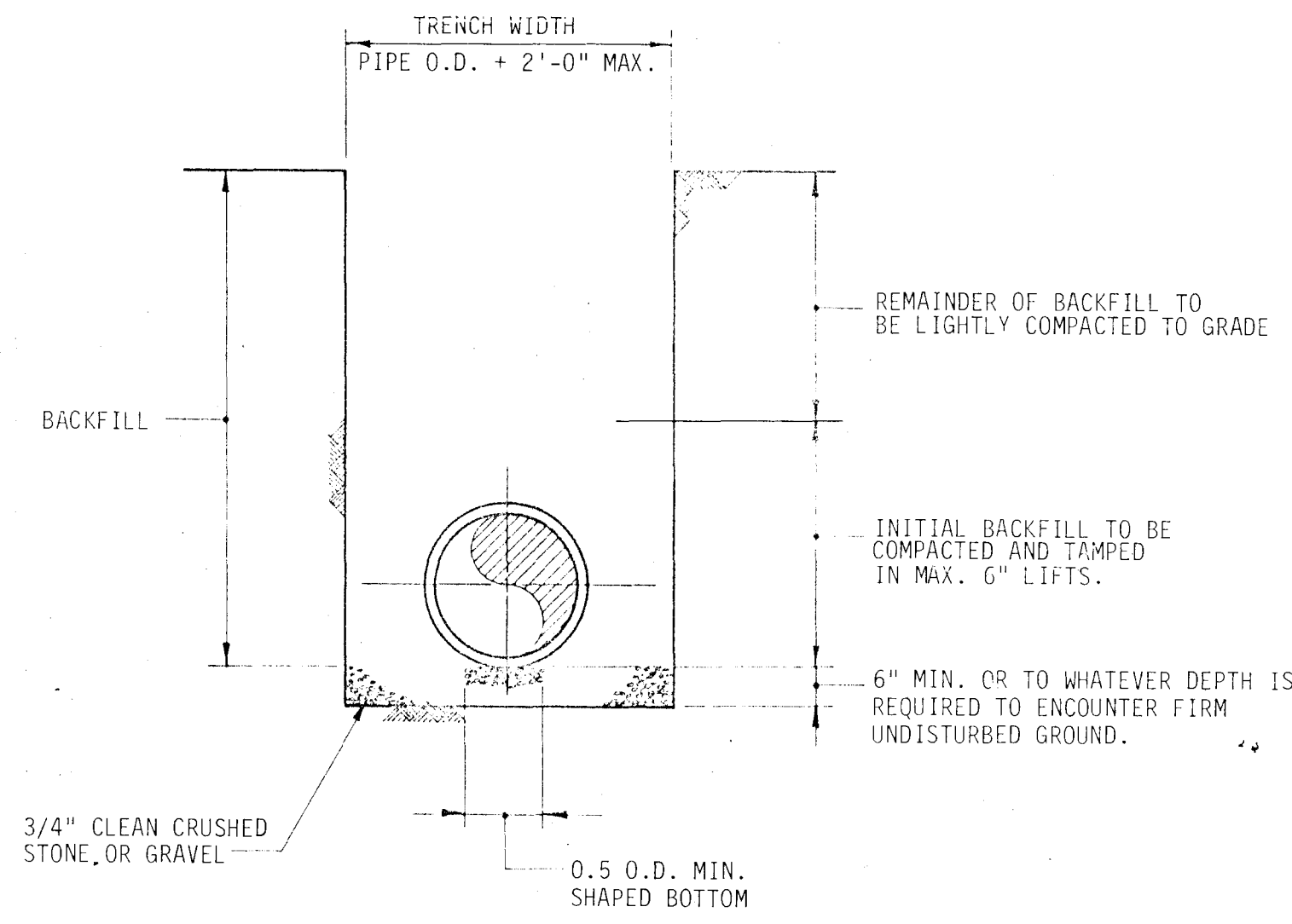


DESCRIPTION	DIMENSION	4" Ø	6" Ø	8" Ø	10" Ø	12" Ø	14" Ø	24" Ø
TEES	N	0'-2"	0'-10"	1'-2"	1'-5"	1'-8"	1'-11"	3'-2"
	O	0'-2"	0'-10"	1'-2"	1'-5"	1'-8"	1'-11"	3'-2"
90° BENDS	Q	0'-9"	1'-0"	1'-2"	1'-5"	1'-8"	2'-0"	3'-2"
	P	0'-9"	1'-0"	1'-2"	1'-5"	1'-8"	2'-0"	3'-2"
45° BENDS	R	0'-7"	0'-9"	1'-0"	1'-3"	1'-5"	1'-8"	2'-0"
	S	0'-7"	0'-9"	1'-0"	1'-3"	1'-5"	1'-8"	2'-0"
22 1/2° BENDS	T	0'-5"	0'-7"	0'-9"	0'-11"	1'-0"	1'-3"	1'-5"
	U	0'-5"	0'-7"	0'-9"	0'-11"	1'-0"	1'-3"	1'-5"
11 1/4° BENDS	V	0'-4"	0'-5"	0'-6"	0'-8"	0'-9"	0'-10"	1'-0"
	W	0'-4"	0'-5"	0'-6"	0'-8"	0'-9"	0'-10"	1'-0"
VERT. DOWNWARD	X	MIN. CONC. ANCHORAGE	.6 C.Y.	1.1	1.9	2.8	3.9	11.9
	Y	MIN. CONC. ANCHORAGE	.3 C.Y.	.6 C.Y.	1.1	1.6	2.1	6.6
VERT. UPWARD	Z	MIN. CONC. ANCHORAGE	.3 C.Y.	.6 C.Y.	1.1	1.6	2.1	6.6
	AA	MIN. CONC. ANCHORAGE	.2 C.Y.	.3 C.Y.	.5 C.Y.	.7 C.Y.	1.0	3.8
PLUGS	BB	R	1'-2"	1'-8"	2'-0"	2'-10"	3'-0"	3'-10"
	CC	S	1'-2"	1'-8"	2'-0"	2'-10"	3'-0"	3'-10"

THRUST BLOCKS DESIGNED FOR 150 LB. PER SQ. IN. TEST PRESSURE & 2,000 LB. PER SQ. FT. SOIL PRESSURE.  
\* MIN. CONC. ANCHORAGE WITHOUT BACKFILL AND NO GROUND WATER CONDITION.

SIZE	STRAP SIZE
4" Ø	#3 BAR
6" Ø	#4 BAR
8" Ø	#5 BAR
10" Ø	#6 BAR
12" Ø	#7 BAR
14" Ø	#8 BAR
24" Ø	3"x1 1/2" - FLAT

THRUST BLOCK DETAILS  
NOT TO SCALE



SECTIONAL ELEVATION OF MINIMUM STANDARD PIPE BEDDING  
NOT TO SCALE

- GENERAL NOTES:
- ENTIRE 6-INCH FORCE MAIN SHALL BE CONSTRUCTED TO INCLUDE THOSE PORTIONS WITHIN THE TREATMENT PLANT AND ALSO EXTENDED THROUGH THE WALL OF THE EQUALIZATION TANK INTO THE AERATION TANK.
  - EXISTING 4-INCH AND 6-INCH SANITARY SEWER REACHES WILL BE SEALED AND ABANDONED IN PLACE.
  - THE FORCE MAIN WILL BE 6-INCH DIAMETER DUCTILE IRON PIPE LOCATED ALONG AN ALIGNMENT TO AVOID THE EXISTING FACILITIES, AND ALSO ENTERING THE SEWAGE TREATMENT PLANT AT THE EXISTING INFLUENT LOCATION.
  - ALL VALVES, PIPE, AND OTHER FITTINGS REQUIRED TO COMPLETE THE EQUALIZATION TANK BY-PASS SHALL BE FURNISHED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT.
  - MANHOLES TO BE ABANDONED SHALL HAVE THE ENDS OF THE PIPE REMAINING BE SEALED WITH BRICKS AND MORTAR. THE STRUCTURE ITSELF BE DEMOLISHED TO TWO FEET BELOW GRADE AND THEN BACKFILLED WITH SAND TO ONE FOOT BELOW GRADE AND THE GROUND SURFACE RESTORED BY TOPSOIL AND SEEDING.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND ALSO COMPLIANCE WITH ALL THE REQUIREMENTS OF THE STATE OF NEW JERSEY CONSTRUCTION SAFETY CODE AS WELL AS THOSE REQUIREMENTS AS OUTLINED IN THE SPECIFICATIONS.
  - THE CONTRACTOR SHALL NOTE THAT THE EXISTING PIPELINES MAY NOT BE ABANDONED UNTIL THE NEW PIPELINES ARE INSTALLED, TESTED AND THE FLOW THEN DIVERTED.
  - THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT AND LABOR TO INSTALL HYDRAULIC CEMENT AND ACRYLIC POLYMER MODIFIED HYDRAULIC WATERPROOF COATING AS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
  - THE CONTRACTOR SHALL CAREFULLY READ ALL CONTRACT DOCUMENTS AND STUDY ALL CONTRACT DRAWINGS AND SPECIFICATIONS AND HIS PROPOSAL IS DEEMED TO INCLUDE EVERYTHING REQUIRED TO MAKE THE PROJECT COMPLETE IN EVERY RESPECT, WHETHER OR NOT SPECIFICALLY SHOWN OR SPECIFIED.

NJ013\_0191

SYMBOL		DESCRIPTION	DATE	APPROVED
REVISIONS				
Elson T. Killam Associates, Inc. Environmental and Hydraulic Engineers 27 Beaker Street - Madison, New Jersey 07041		UNITED STATES ARMY TRAINING CENTER AND FORT DIX DIRECTORATE OF ENGINEERING AND HOUSING FORT DIX, NEW JERSEY 08640		
DRAWN E.T. DESIGNED I.P.H. CHECKED J.G.C. FP&P DIV B&G DIV UTL DIV	FACILITY NO. <b>PEDRICKTOWN</b> <b>ARMY SUPPORT FACILITY</b> <b>SANITARY SEWER IMPROVEMENTS</b> PEDRICKTOWN, NEW JERSEY		CONSTRUCTION DETAILS SCALE AS NOTED DATE 6/6/86 PR. NR. GM 13 84	
USING AGENCY RECOMMENDED APPROVED	DIRECTOR OF ENGINEERING AND HOUSING		DRAWING NUMBER 84-13-02 SHEET 2 OF 2	