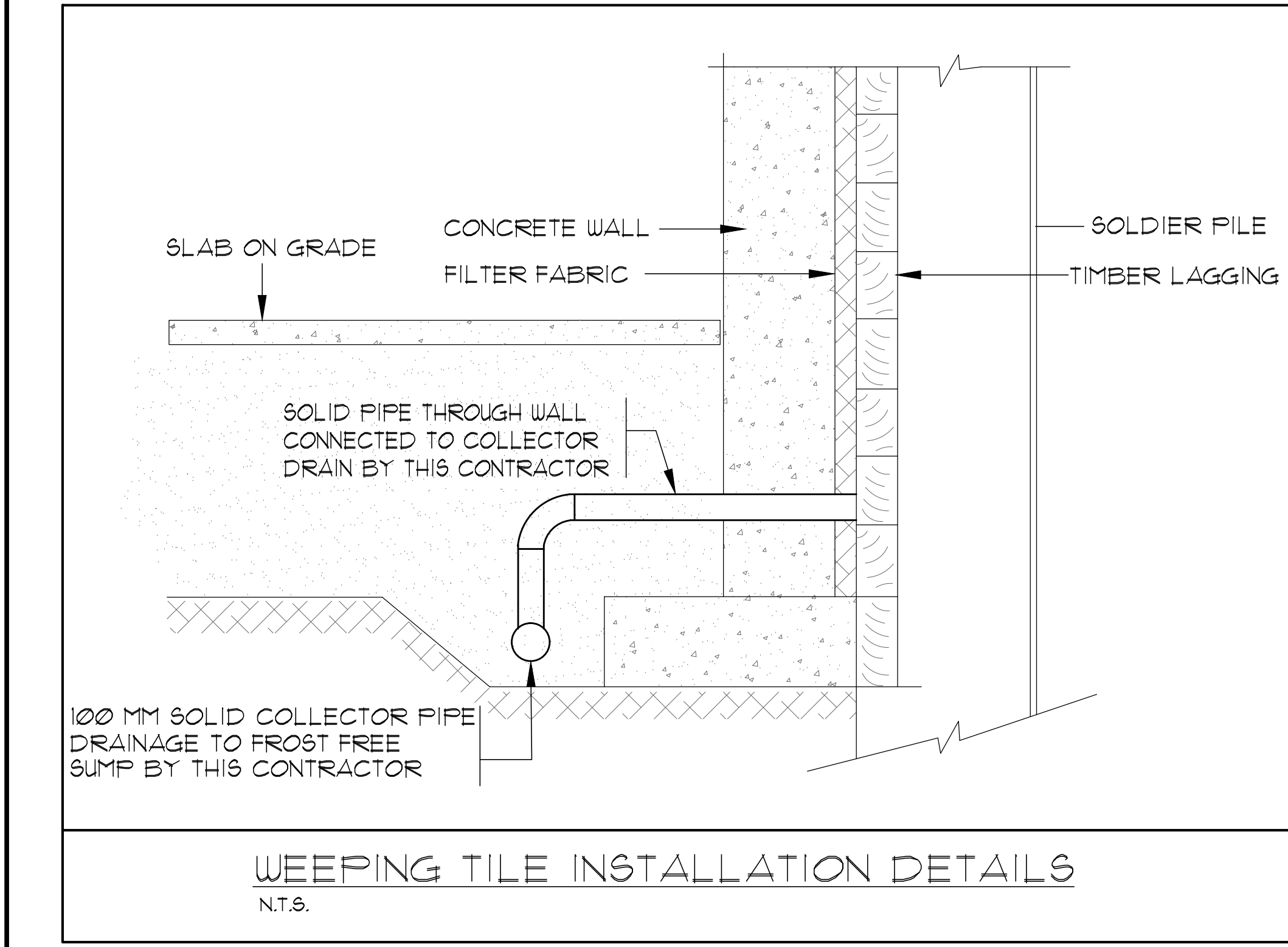
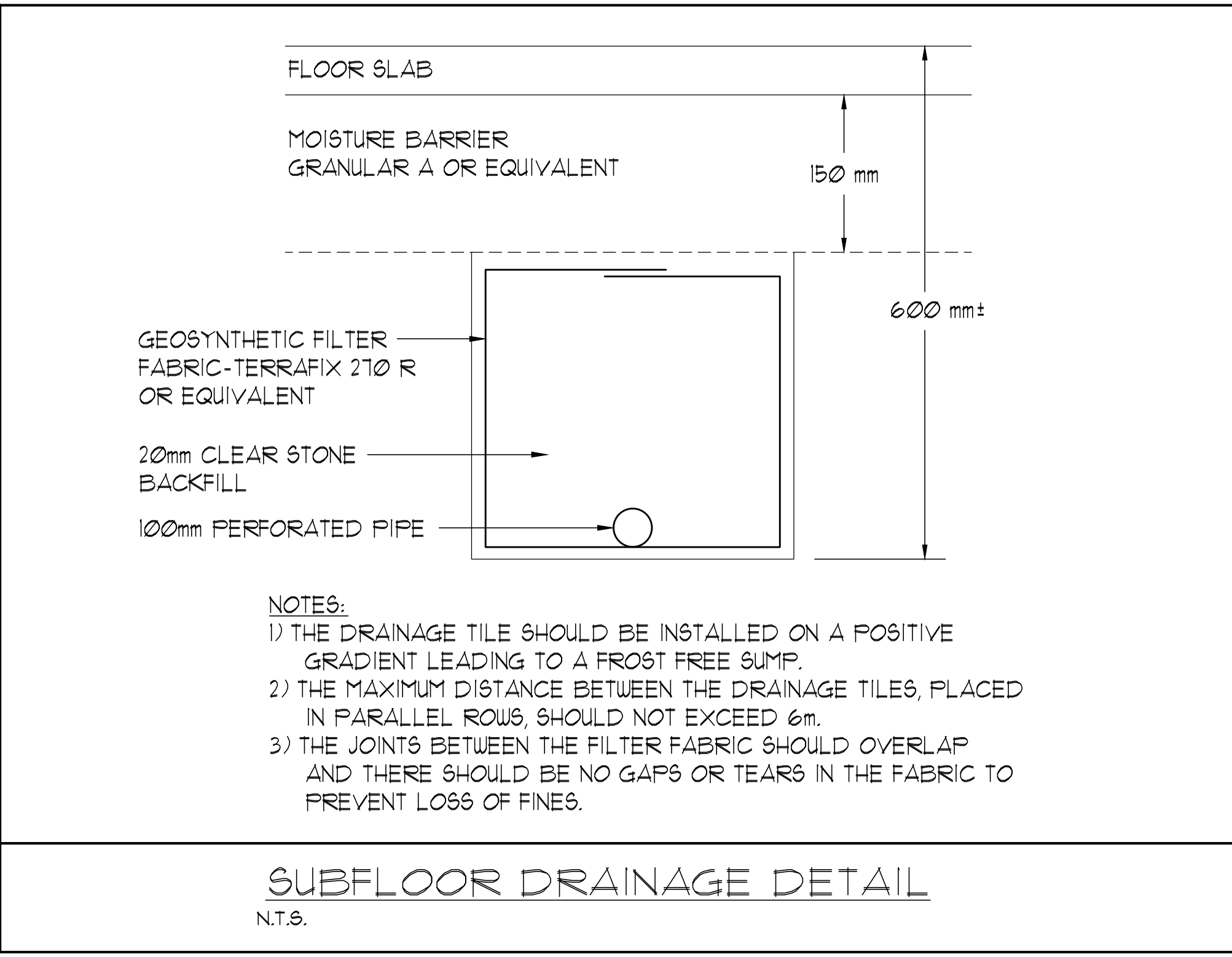
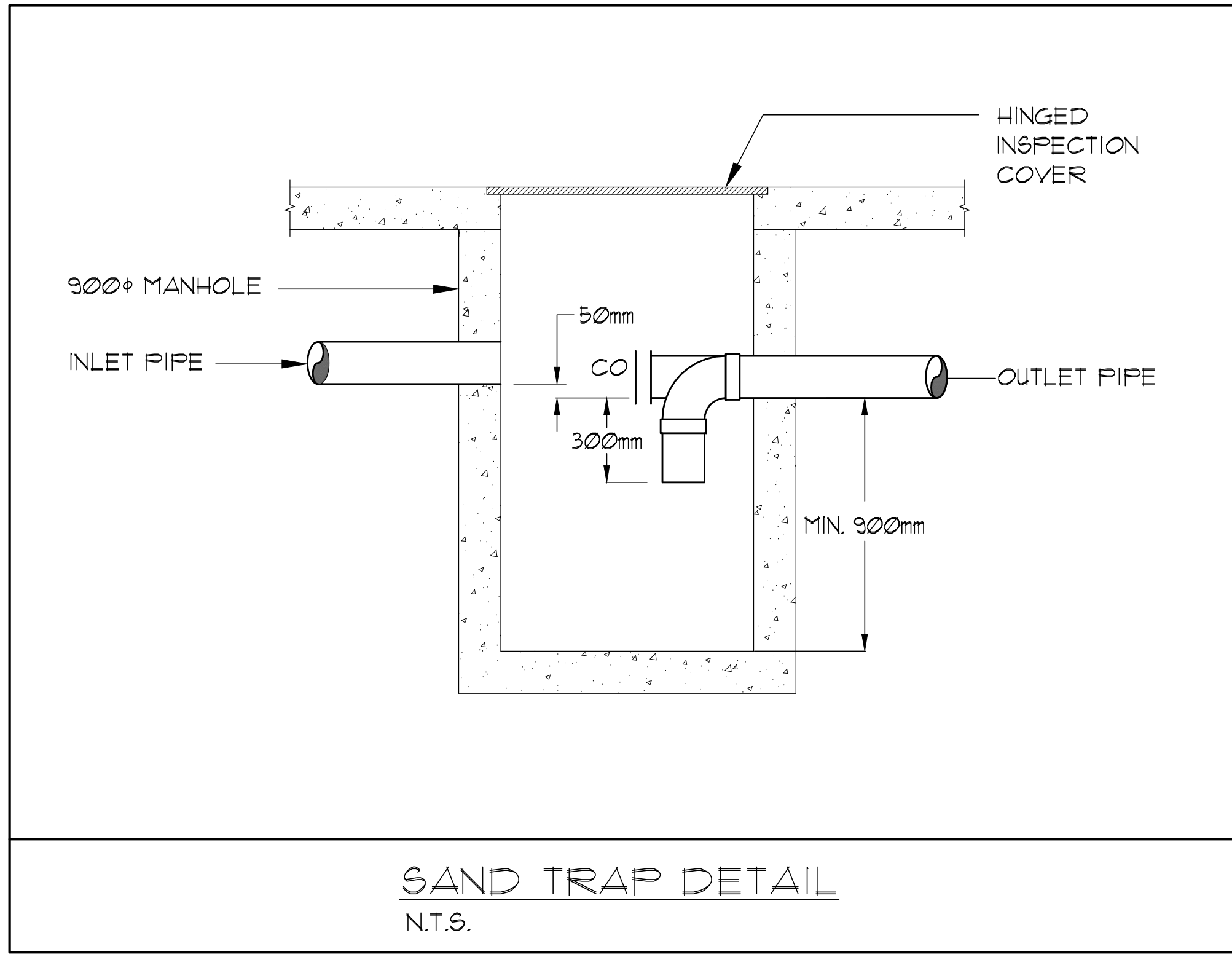




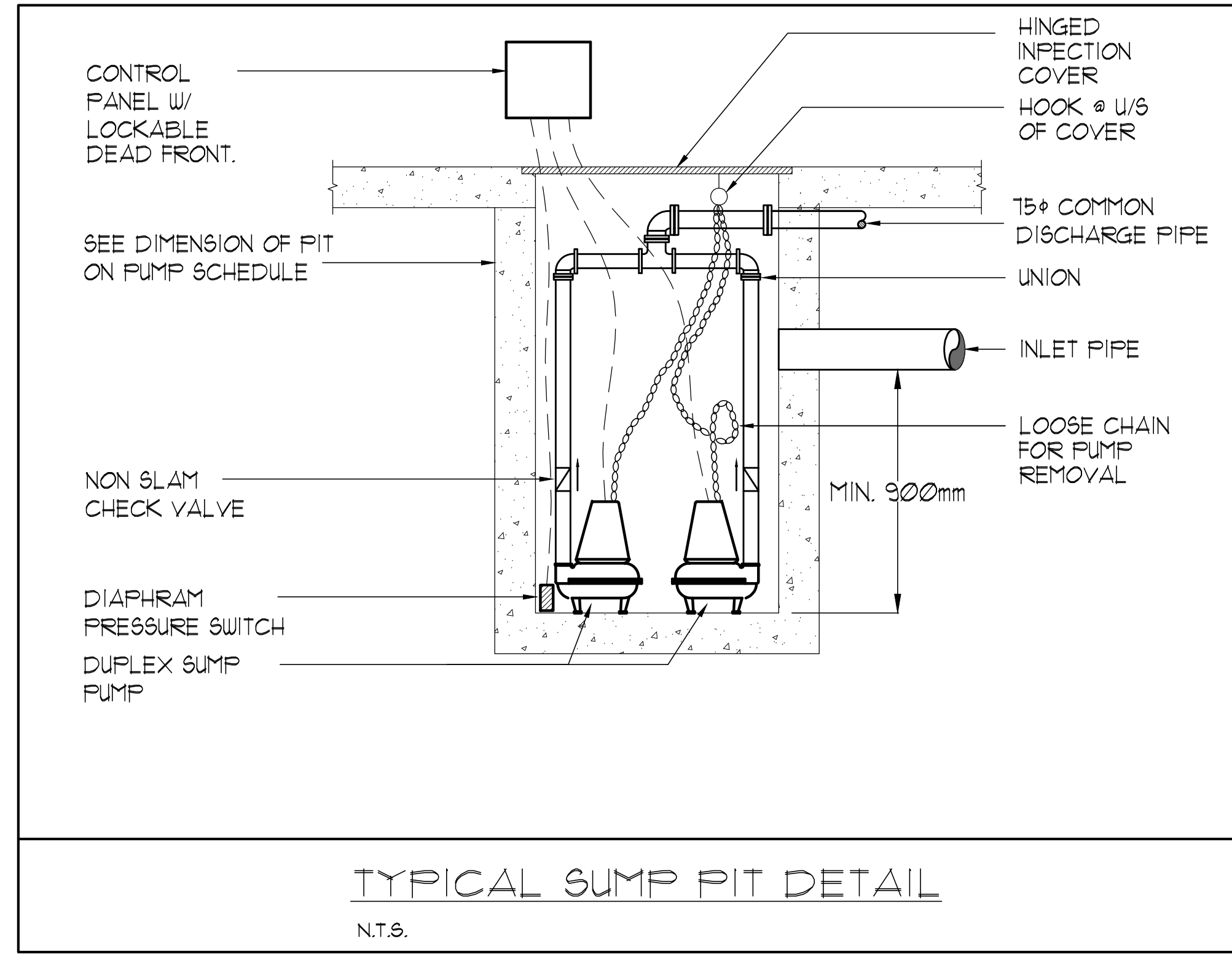
WEEPING TILE INSTALLATION DETAILS
NTS.



SUBFLOOR DRAINAGE DETAIL
NTS.



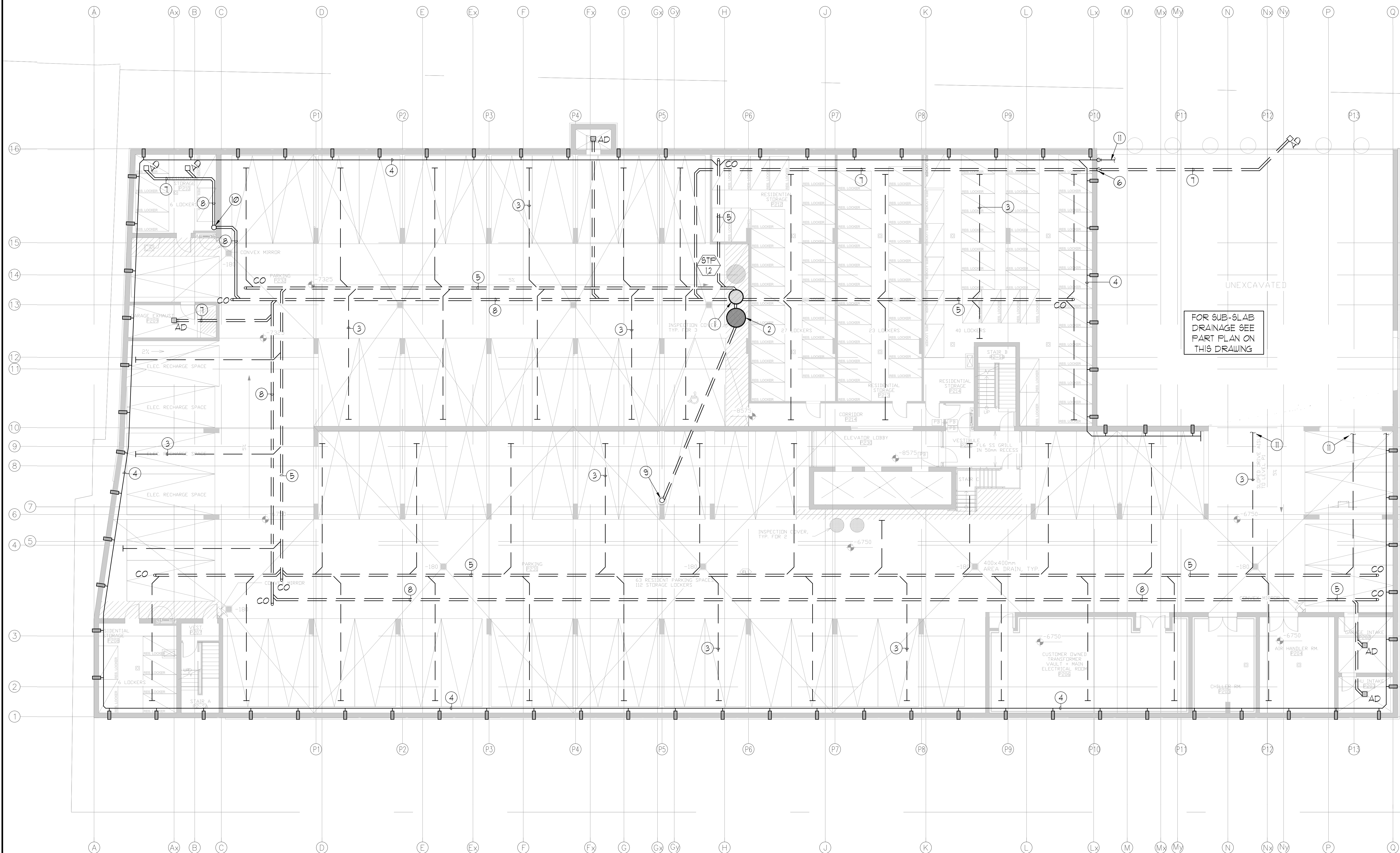
SAND TRAP DETAIL
NTS.



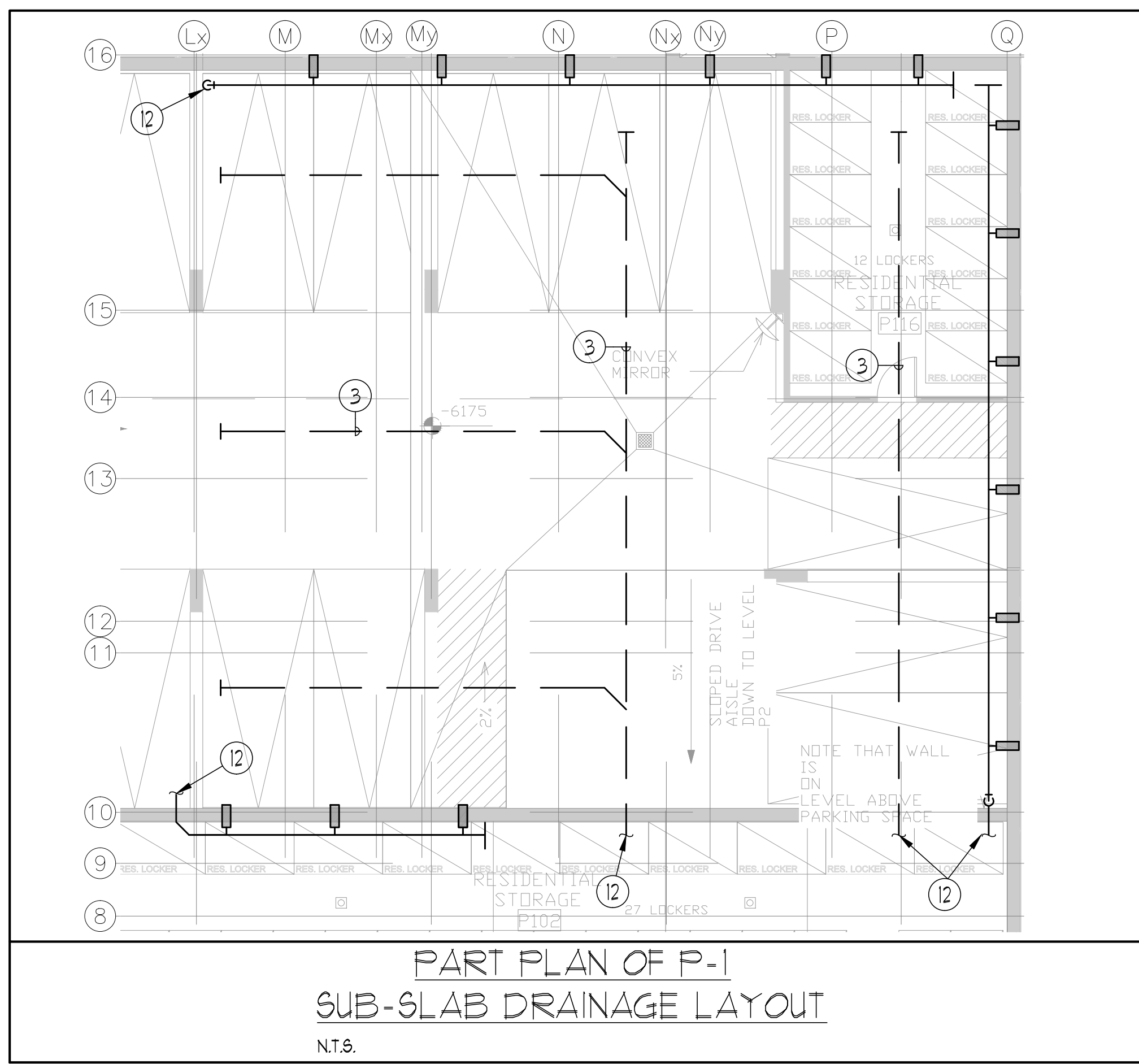
TYPICAL SUMP PIT DETAIL
NTS.

REFER TO DWG. M-2 FOR GENERAL AND ACOUSTIC NOTES	
2550mm CLEAR FLOOR TO UNDERSLAB	
NOTES:	
1	SAND TRAP. SEE DETAIL ON THIS DRAWING.
2	STORM SUMP PUMP PIT. FOR EQUIPMENT SCHEDULE OF PUMP AND PIT SIZE SEE DETAIL ON THIS DRAWING.
3	100+ SUB-FLOOR WEEPING TILE @ 1%. SEE SUB-FLOOR DRAINAGE DETAIL ON THIS DRAWING. (TYPICAL)
4	100+ SOLID COLLECTOR PIPE @ 1%. SEE WEEPING TILE INSTALLATION DETAIL ON THIS DRAWING. (TYPICAL)
5	150+ SOLID COLLECTOR PIPE @ 1%.
6	100+ STM FROM ABOVE AND DOWN.
7	100+ STM @ 1%.
8	150+ STM @ 1%.
9	15+ STM PUMPED UP C/W HEAT TRACING. HEAT TRACING BY DIV. 16. INSULATION AND JACKET BY THIS CONTRACTOR.
10	150+ STM DOWN C/W CLEANOUT AT BASE.
11	FOR CONTINUATION SEE PART PLAN ON THIS DRAWING.
12	FOR CONTINUATION SEE SUB-SLAB DRAINAGE LAYOUT ON THIS DRAWING.

LEGEND MECHANICAL	
SYMBOL	DESCRIPTION
[Symbol]	SUPPLY AIR DUCT/PIPE
[Symbol]	SUPPLY AIR TRUNK/PIPE
[Symbol]	RETURN AIR TRUNK/PIPE
[Symbol]	RETURN AIR GRILLE
[Symbol]	EXHAUST AIR GRILLE
[Symbol]	SUPPLY DUCT DOWN
[Symbol]	RETURN DUCT UP
[Symbol]	RETURN DUCT DOWN
[Symbol]	EXHAUST DUCT UP
[Symbol]	EXHAUST DUCT DOWN
[Symbol]	FIRE DAMPER
[Symbol]	BALANCING DAMPER
[Symbol]	MOTORIZED DAMPER
[Symbol]	MOTORIZED FIRE DAMPER
[Symbol]	BACKDRIFT DAMPER
[Symbol]	OPPOSED BLADE VOLUME CONTROL DAMPER
[Symbol]	CALL LOCKING BACKDRIFT
[Symbol]	TUNING VANES
[Symbol]	FLEXIBLE CONNECTION
[Symbol]	ACOUSTIC INSULATION
[Symbol]	TYPE OF EQUIPMENT
[Symbol]	SAFETY EXIST CONNECTION
[Symbol]	TYPE OF DUCT/PIPE OR GRILLE
[Symbol]	CALL LOCKING BACKDRIFT
[Symbol]	APPROX. 1/2" OR 1/4" (1/2" OR 1/4")
[Symbol]	STARTER / 3 PHASE / PHASE
[Symbol]	IN-SITE EXIST EXIST EXIST
[Symbol]	FAN SWITCH / IN-SITE EXIST EXIST EXIST
[Symbol]	CO SENSOR
[Symbol]	GAS LINE
[Symbol]	GAS METER
[Symbol]	GAS STOP
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	SANITARY ABOVE GRADE
[Symbol]	SANITARY BELOW GRADE
[Symbol]	STORM ABOVE GRADE
[Symbol]	STORM BELOW GRADE
[Symbol]	DOMESTIC COLD WATER
[Symbol]	DOMESTIC HOT WATER
[Symbol]	DOMESTIC HOT WATER RECIRCULATION
[Symbol]	SANITARY VENT
[Symbol]	WATER PETER
[Symbol]	FLOOR DRAIN
[Symbol]	FLOOR DRAIN
[Symbol]	ROOF DRAIN
[Symbol]	SLAB DRAIN
[Symbol]	AREA DRAIN
[Symbol]	BIL LEVEL AREA DRAIN
[Symbol]	CATCH BASIN
[Symbol]	SANITARY TRAP
[Symbol]	ELBOW UP
[Symbol]	ELBOW DOWN
[Symbol]	WALL CLEANOUT
[Symbol]	FLOOR CLEANOUT
[Symbol]	HOSE BIBB
[Symbol]	NON-FREEZE HOSE BIBB
[Symbol]	GROUSE VALVE
[Symbol]	GATE VALVE
[Symbol]	BALL VALVE
[Symbol]	BUTTERFLY VALVE
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	CHECK VALVE
[Symbol]	CAP
[Symbol]	COMPRESSED AIR OUTLET
[Symbol]	BACKFLOW PREVENTER
[Symbol]	CIRCUIT BALANCING VALVE
[Symbol]	MULTIPLE PIPES
[Symbol]	- DENOTES NO. OF PIPES
[Symbol]	TEMPERATURE SENSOR
[Symbol]	THERMISTOR
[Symbol]	2-WAY MODULATING VALVE
[Symbol]	3-WAY MODULATING VALVE
[Symbol]	C/W 1/2" BUSHING 4 1/2" PLUG
[Symbol]	FLOOR ELEVATION ABOVE LEVEL
[Symbol]	FLOOR ELEVATION BELOW LEVEL
[Symbol]	BEACON FLOOR TO US BEACON



QTY.	DESCRIPTION
2	BARNES 2SE-554L SUBMERSIBLE PUMPS INSIDE A 300MM+ SUMP PIT, EACH C/W 1/2 HP, 575 VOLT, 3 PHASE, 60 CYCLE MOTOR WITH 30 FT POWER CORD, 2" N.P.T. DISCHARGE, HANDLES 2" DIAMETER SOLIDS AND DELIVERS 35 U.S. G.P.M. AT 22 FT TOTAL HEAD.
1	LDP 575 DUPLEX ELECTRICAL ALTERNATOR, STARTER AND CONTROL PANEL, WITH LOCKABLE DEAD-FRONT, 575 VOLT, 3 PHASE, 60 CYCLE C/W H.O.A. SELECTOR SWITCHES, RUN LIGHTS, THERMAL OVERLOAD HEATERS TO SUIT PUMP MOTORS WITH RESET BUTTON, AND CIRCUIT BREAKERS IN EEMAC 3R ENCLOSURE.
4	L5 20 MECHANICAL LEVEL SENSORS, 1 FOR PUMP 'ON', 1 FOR PUMP 'OFF', 1 FOR BOTH PUMPS 'ON', AND 1 FOR ALARM LEVEL.
1	LHW 115 HIGH WATER ALARM PANEL, 115 VOLT, 1 PHASE WITH PILOT LIGHT, ON-OFF-TEST SWITCH, BUZZER AND EXTRA RELAY FOR REMOTE SIGNALING, IN EEMAC 1 ENCLOSURE.
1	TRIM BAR CURB FRAME C/W CHECKERED COVER PLATE IN 2 SECTIONS, FOR INSPECTION AND ACCESS.



NOVA	ENGINEERING
175 West Beaver Creek Road Unit 31 Richmond Hill, Ontario L4B 3M1 Tel: 905.882.5445 Fax: 905.882.5447	
DRAWING TITLE P-2 FLOOR PLAN SUB-SLAB DRAINAGE LAYOUT	
PROJECT TITLE 60 ALEXANDRA PARK BLOCK II 38 CAMERON STREET TORONTO	
DRAWN BY G.S.	CHECKED BY E.P.
DATE FEB, 13	SCALE 1:100
PROJECT NUMBER 1313	DRAWING NUMBER M-2
	OF 43