

CONVENTIONAL SYSTEM NOTES

- DESIGN, CONSTRUCTION, MATERIAL STANDARDS, MINIMUM SEPARATION DISTANCES, AND INSPECTION REQUIREMENTS SHALL COMPLY WITH THE LATEST EDITION OF THE NEW YORK STATE DEPARTMENT OF HEALTH PUBLICATIONS: RURAL WATER SUPPLY AND NYCRR PART 75A WASTEWATER TREATMENT-INDIVIDUAL HOUSEHOLD SYSTEMS.
- BUILDER SHALL VERIFY GRADE OF SOIL PIPE AT BUILDING PRIOR TO CONSTRUCTION OF SYSTEM.
- ABSORPTION TRENCHES SHALL BE APPROXIMATELY 18"-24" DEEP.
- THE AREA IMMEDIATELY UP-SLOPE OF THE SYSTEM SHALL BE GRADED SO AS TO DIRECT ANY SURFACE RUNOFF AROUND THE SYSTEM.
- NO WELLS, PONDS, WATER COURSES OR NYSDEC WETLANDS EXIST WITHIN 100 FEET OF PROPOSED SEWAGE DISPOSAL SYSTEM.
- NO ROOF, FOOTING, FLOOR, COOLING WATER, BACKWASH DRAINS ETC. SHALL BE CONNECTED TO THE SEPTIC SYSTEM.
- OWNER IS TO BE PROVIDED A COPY OF THE APPROVED PLAN BY THE DESIGN ENGINEER.
- THERE SHALL BE NOT CHANGES ON THESE PLANS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- PROJECT IN NOT WITHIN WATERSHED DISTRICT.
- PROJECT IS NOT WITHIN 100 YEAR FLOOD PLAIN.
- NO VEHICULAR PARKING OR TRAFFIC SHALL BE ALLOWED ON ANY PORTION OF THE SEPTIC SYSTEM.
- A LICENSED ENGINEER/ARCHITECT SHALL SUPERVISE CONSTRUCTION IN ACCORDANCE WITH THE APPROVED PLAN AND SUPPLEMENTAL DATA.
- THE UDIG NY SHALL BE CONSULTED WITH PRIOR TO ANY EXCAVATION ASSOCIATED WITH APPROVED PORTIONS OF THE PROJECT.
- SYSTEM IS NOT DESIGNED TO ACCOMMODATE WASTEWATER FROM GARBAGE GRINDER OR HOT TUB.

COVERING

- PLACE 4 IN. MINIMUM OF GOOD QUALITY TOPSOIL OVER THE ENTIRE SYSTEM AND SEED AND MULCH.

INSPECTION

THE ENGINEER SHALL MAKE THE FOLLOWING INSPECTIONS OF THE DESIGNED SYSTEM:

- AFTER PLACEMENT OF PIPING, TANKS PRIOR TO ANY BACKFILL.
- COMPLETION INCLUDING GRADING, PLACEMENT OF TOPSOIL & SEEDING.
- IT IS THE OWNERS RESPONSIBILITY TO CONTACT THE ENGINEER FOR ABOVE NOTED INSPECTIONS. IF WORK COMMENCES WITHOUT THE NOTED INSPECTIONS, THE ENGINEER WILL NOT BE ABLE TO CERTIFY THE SYSTEM AS BUILT PER PLAN AND THE TOWN WILL NOT BE ABLE TO GRANT A CERTIFICATE OF OCCUPANCY (C.O.).

DESIGN CRITERIA

- 15 EMPLOYEES AT 15 GALLONS PER DAY EQUALS 225 GALLONS PER DAY FLOW
- EXISTING TERRAIN APPROXIMATELY 3-5 PERCENT SLOPE.
- PERCOLATION RATE: 0-10 MIN/INCH ON-SITE MATERIAL, APPLICATION RATE 0.90 GPD/S.F. ACTUAL PERCOLATION RATE AT 20" DEPTH = 3 MINUTES/INCH SOIL: MEDIUM BROWN SAND, GROUNDWATER ENCOUNTERED @ 60"

CALCULATIONS:

1. REQUIRED LATERAL LENGTH: $(225 \text{ GPD}) / (0.90 \text{ GPD/SF}) (2 \text{ LF}/2\text{SF}) = 125 \text{ LF}$.
USE (3) 50' LATERALS = 150 LF.

SYSTEM STRUCTURES

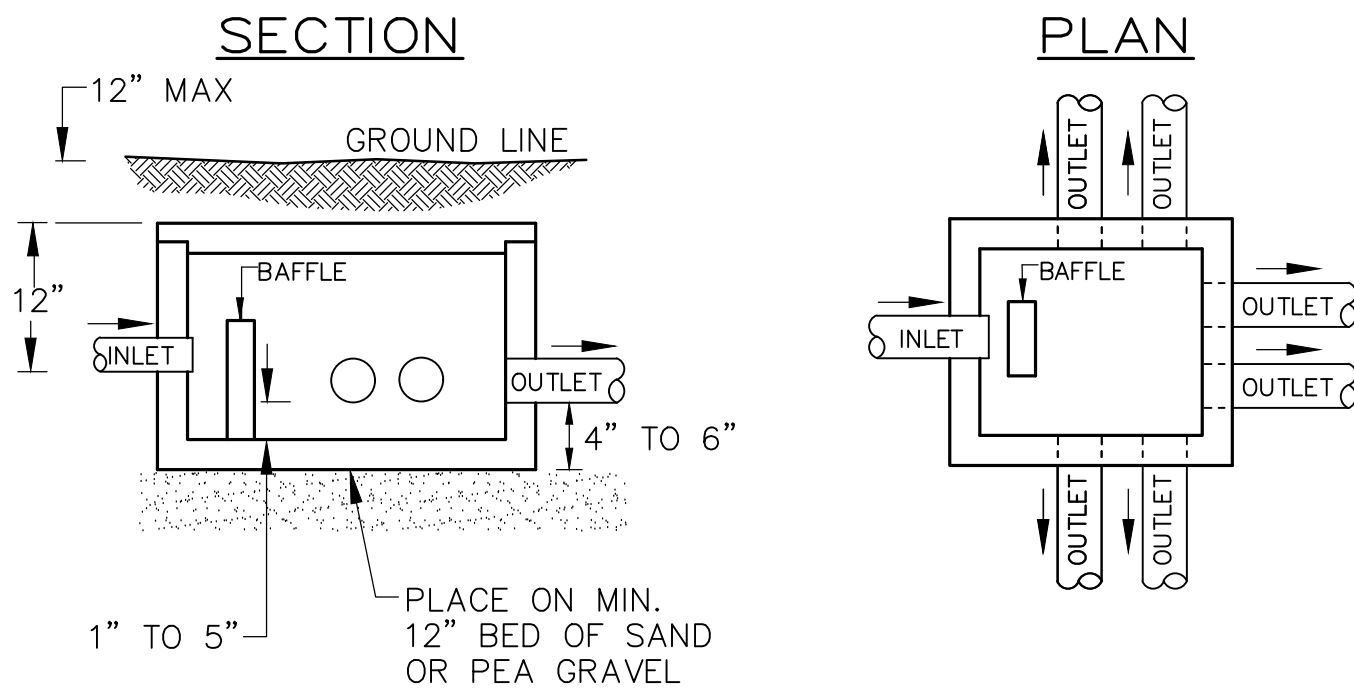
- SEPTIC TANK SHALL BE 1250 GAL. DUAL COMPARTMENT PRECAST SEAMLESS CONCRETE TANK BY GUARDIAN CONCRETE, INC. OR EQUIVALENT.
- DISTRIBUTION BOX TO BE PRECAST CONCRETE BOX AND COVER DB-6 (6) OUTLET BY GUARDIAN CONCRETE, INC. OR EQUIVALENT.

PIPING

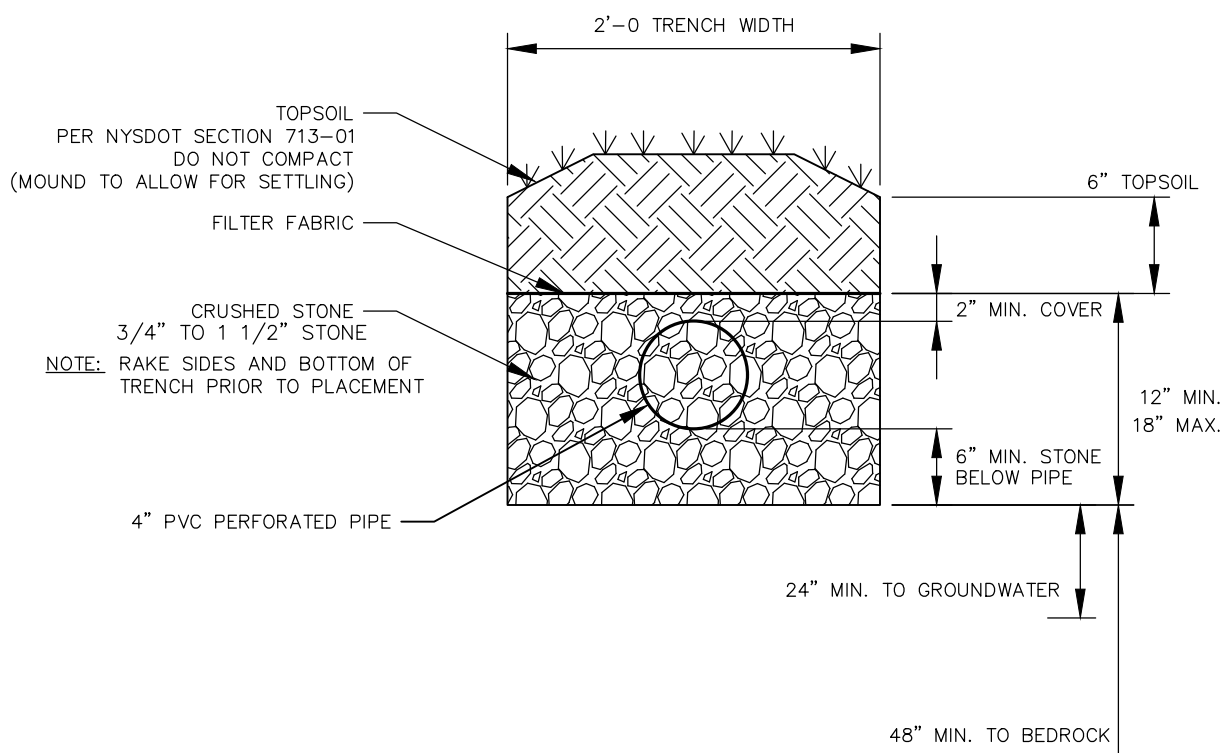
- STRUCTURE TO SEPTIC TANK SHALL BE 4" SCH 40 PCV WITH TIGHT JOINTS, MINIMUM SLOPE = 1/4 IN. PER FOOT.
- SEPTIC TANK TO DISTRIBUTION BOX SHALL BE 4" SCH 40 PVC WITH TIGHT JOINTS, MINIMUM SLOPE = 1/8 IN. PER FOOT.
- DISTRIBUTION BOX TO LATERALS SHALL BE 4" SDR35 PVC WITH TIGHT JOINTS, MINIMUM SLOPE = 1/8 IN. PER FOOT.
- DISTRIBUTION LATERALS SHALL BE 4" PERFORATED PVC WITH TIGHT JOINTS, SLOPE: 1/32 - 1/16 IN. PER FOOT.

**** MINIMUM SEPARATION DISTANCES ****

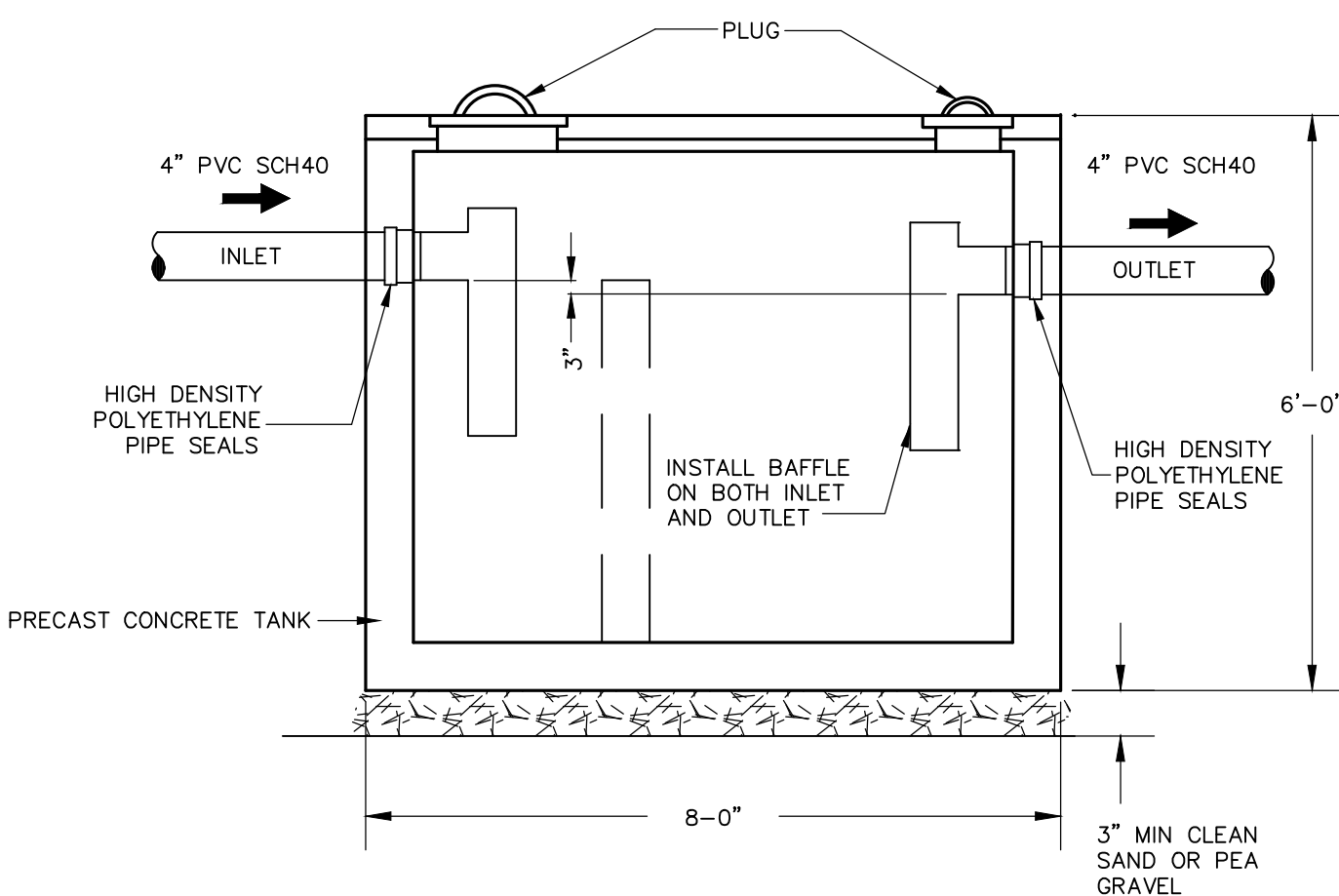
HOUSE TO SEPTIC TANK	10' MIN
HOUSE TO TOE OF FILL, D-BOX, ABSORPTION FIELD	20' MIN
PRIVATE WELL TO TOE OF FILL	*100' MIN
PRIVATE WELL TO D-BOX	100' MIN
PRIVATE WELL TO SEPTIC TANK	50' MIN
ABSORPTION FIELD TO STREAM, RIVER OR WETLANDS	100' MIN.
PROPERTY LINE TO TOE OF FILL, BUILDING SEWER, SEPTIC TANK, D-BOX, ABSORPTION FIELD	10' MIN
DRAINAGE DITCH TO SEPTIC TANK	10' MIN
DRAINAGE DITCH TO D-BOX, ABSORPTION FIELD	20' MIN
WASTEWATER TREATMENT SYSTEM AND FRACTURED BEDROCK	100' MIN
*200' MIN. WHEN WELL IS DOWNGRADIENT OF ABSORPTION FIELD.	



3 TYPICAL PRECAST DISTRIBUTION BOX DETAIL
GUARDIAN CONCRETE, INC. OR ACCEPTABLE EQUAL N.T.S.



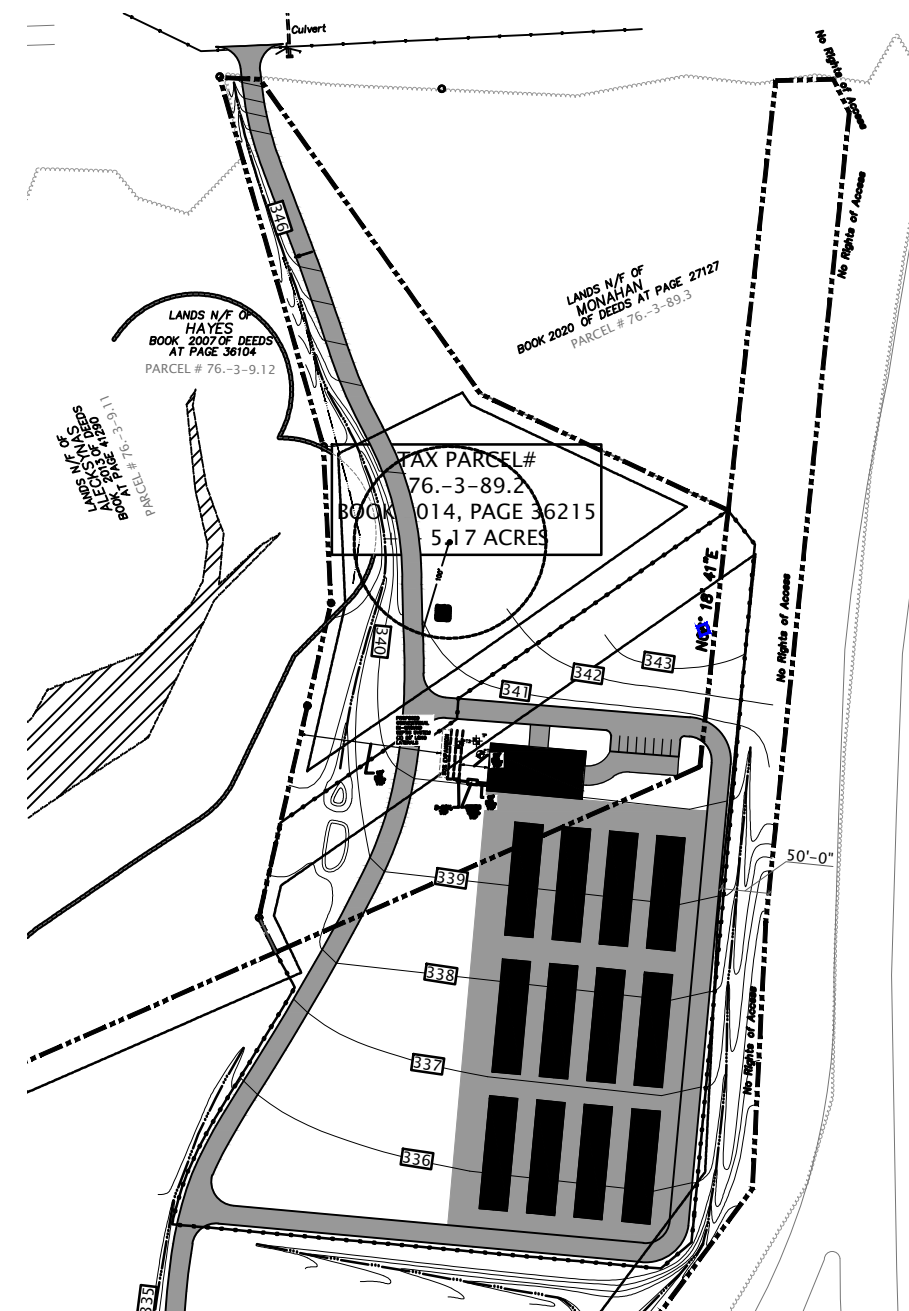
4 TYPICAL TRENCH SECTION
(NOT TO SCALE)



5 1,250 GALLON DUAL COMPARTMENT SEPTIC TANK (SEAMLESS)
GUARDIAN CONCRETE INC. OR EQUIVALENT NOT TO SCALE

OWNER/APPLICANT:
SHANGRI-LA REAL ESTATE HOLDINGS, LLC
10 LICARDO LANE
SARATOGA SPRINGS, NY 12866

TAX MAP ID: 76-3-89.3
NOTE: 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONTACT 811 DIG NY TO LOCATE ALL UNDERGROUND UTILITIES.



2 OVERALL PLAN
SCALE: 1"=200'

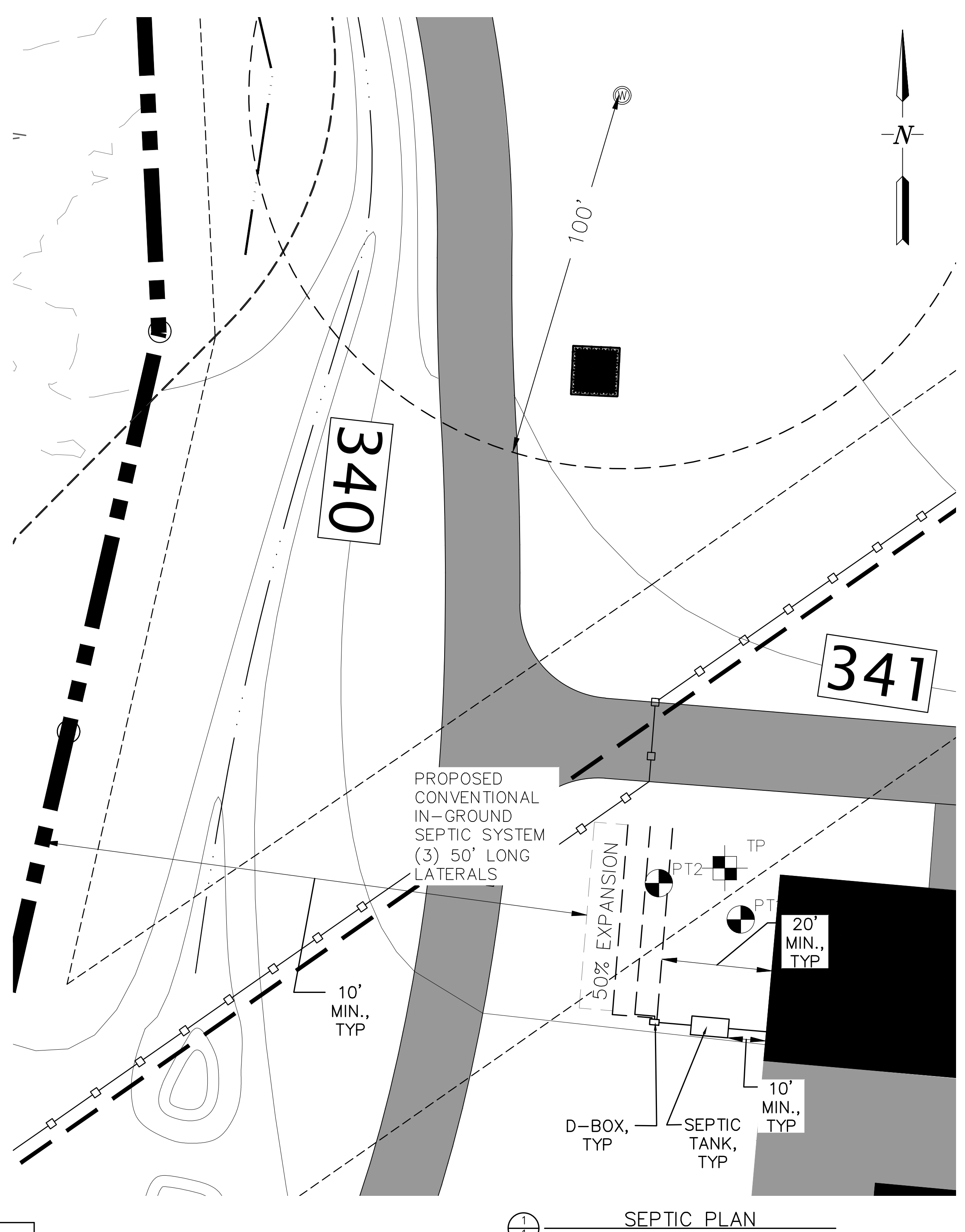
PERCOLATION DATA

TEST NUMBER	PERC TEST DEPTH	STABILIZED PERC RATE
PT-1	20"	2MIN 53SEC
PT-2	20"	3MIN 33SEC

TEST PIT LOG

TEST PIT NUMBER	DEPTH	TEST PIT DATA
TP-1	0 - 60"	MEDIUM BROWN SAND
	60" - 96"	MEDIUM BROWN/GRAY SAND WATER @ 60"

PERCOLATION TESTS PERFORMED ON 09/12/24 BY C. PAGAN OF INGALLS & ASSOCIATES, LLP



1 SEPTIC PLAN
SCALE: 1"=20'

LEGEND

WELL LOCATION	⊙
PROPOSED SEPTIC LATERAL	---
PROPOSED SEPTIC TANK	□
PERC PIT LOCATION	PT1
TEST TEST LOCATION	TP1

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NOT FOR CONSTRUCTION

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<p>NO. DATE</p>	<p>REVISIONS</p>	<p>DATE: 10/18/24 DRAWN BY: CWP CADD FILE: 22-122 Septic Exit 17</p>	<p>CHECKED BY: D.F.J. JOB NO. 22-122 SCALE: AS NOTED SHEET 1 OF 1</p>