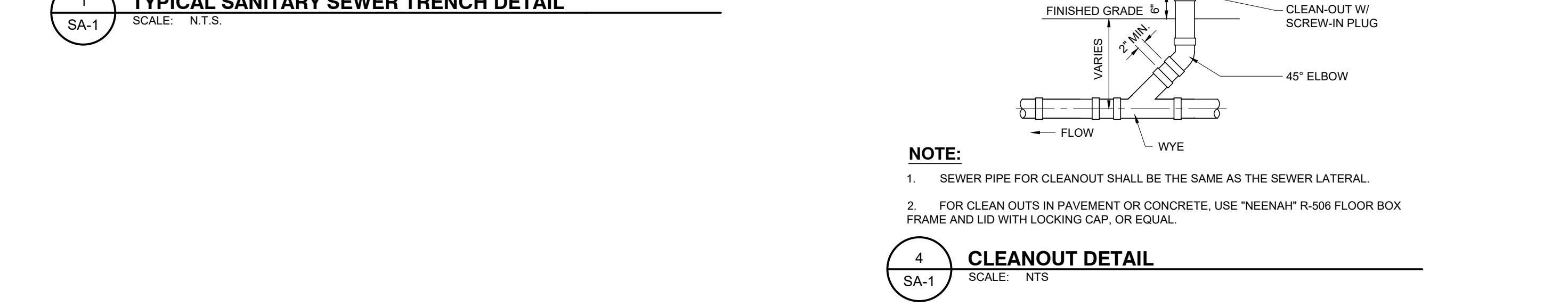


**1 TYPICAL SANITARY SEWER TRENCH DETAIL**  
SCALE: N.T.S.

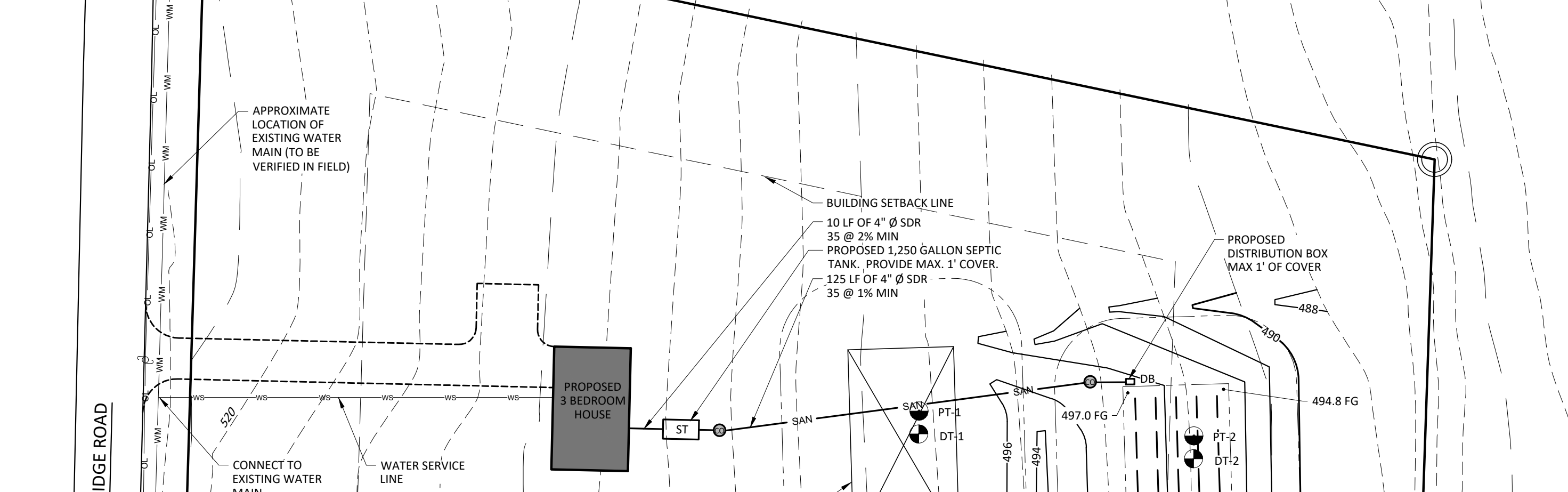
**2 PRECAST DISTRIBUTION BOX DETAIL - MODEL NO. DB-9/8**  
SCALE: N.T.S.



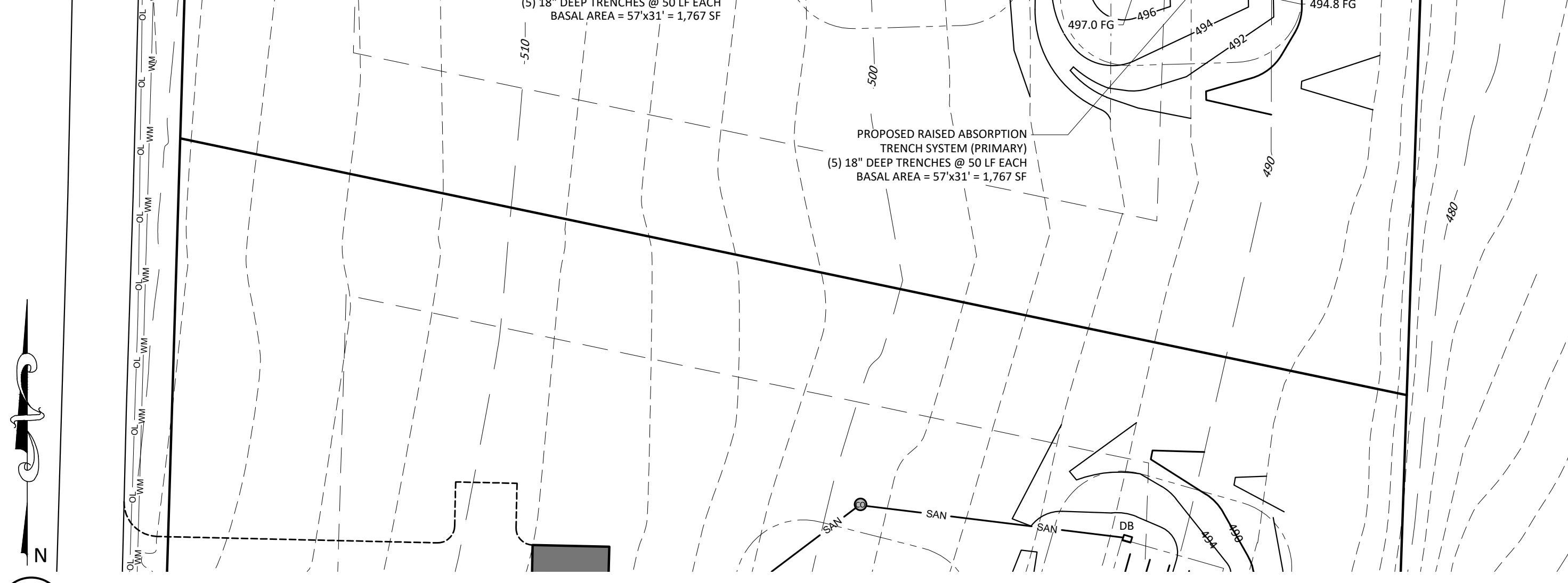
**3 RAISED SYSTEM SECTION DETAIL**  
SCALE: N.T.S.

**4 CLEANOUT DETAIL**  
SCALE: N.T.S.

**5 ABSORPTION TRENCH DETAIL**  
SCALE: N.T.S.



**6 PRECAST SEPTIC TANK DETAIL - 1,250 GALLON LOW PROFILE**  
SCALE: N.T.S.



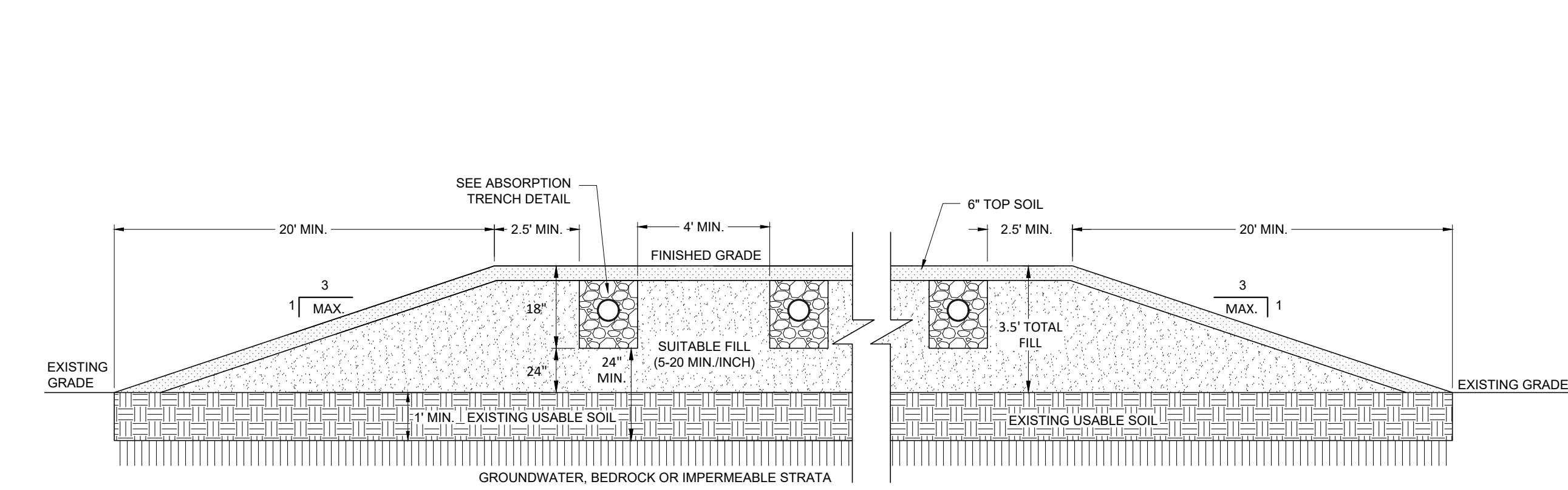
**7 TYPICAL COPPER WATER SERVICE TAPS**  
SCALE: N.T.S.

**8 DOMESTIC SERVICE W/ CURB BOX**  
SCALE: N.T.S.

**9 WATER MAIN / SANITARY / STORM SEWER SEPARATION DETAIL**  
SCALE: N.T.S.

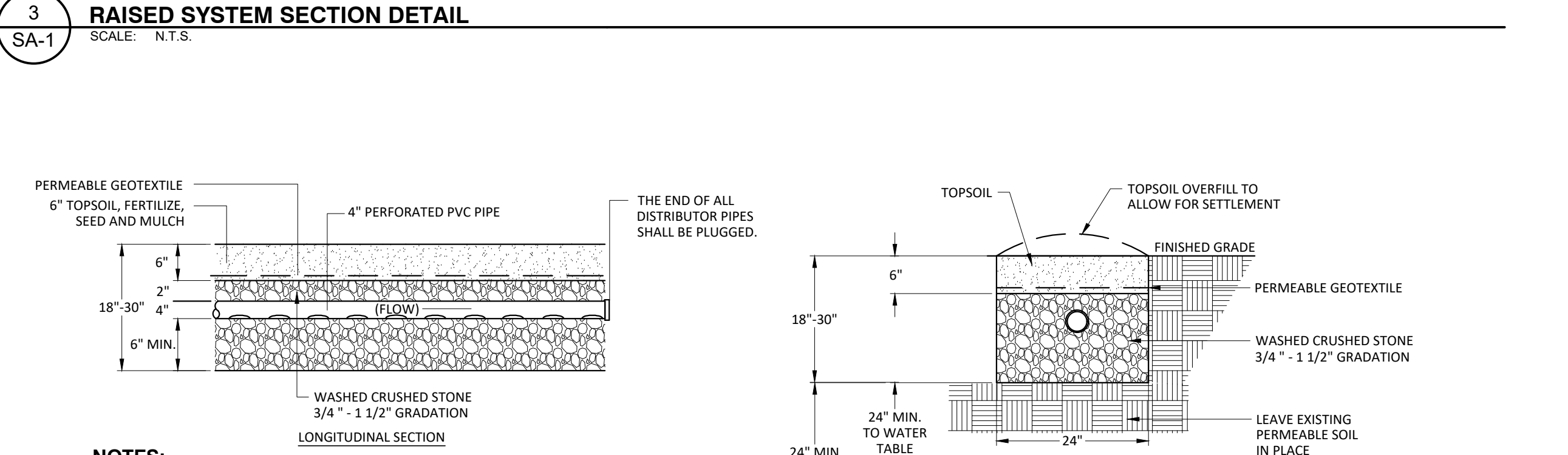


**10 PROPOSED WASTEWATER DISPOSAL PLAN**  
SCALE: 1"=30'



**LEGEND**

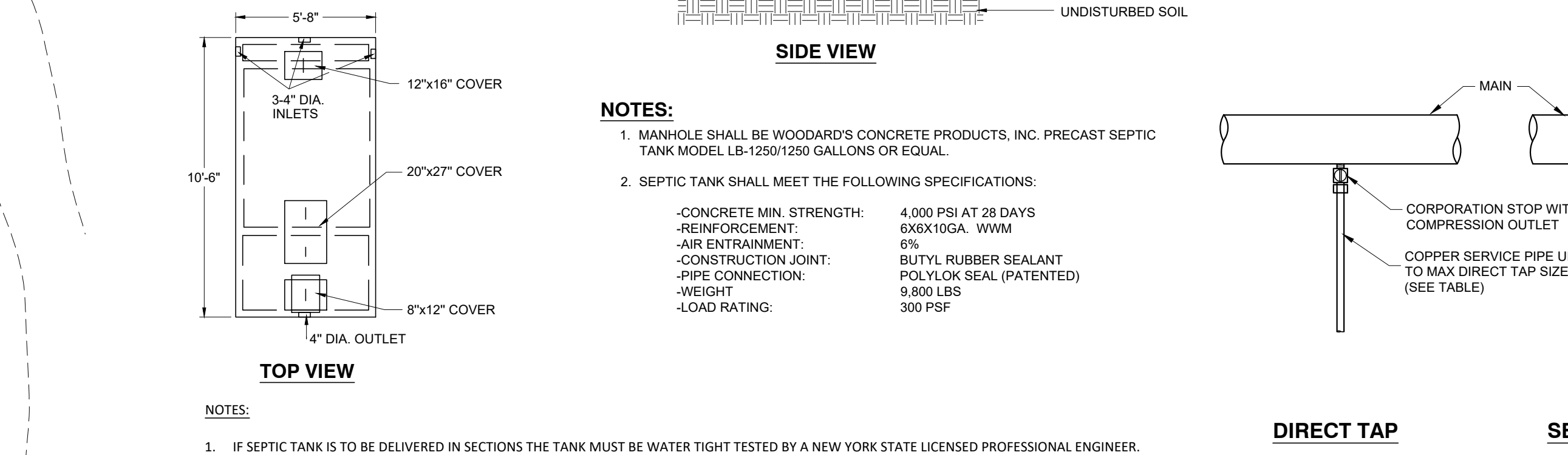
**LOCATION MAP**  
SCALE: 1"=2,000'



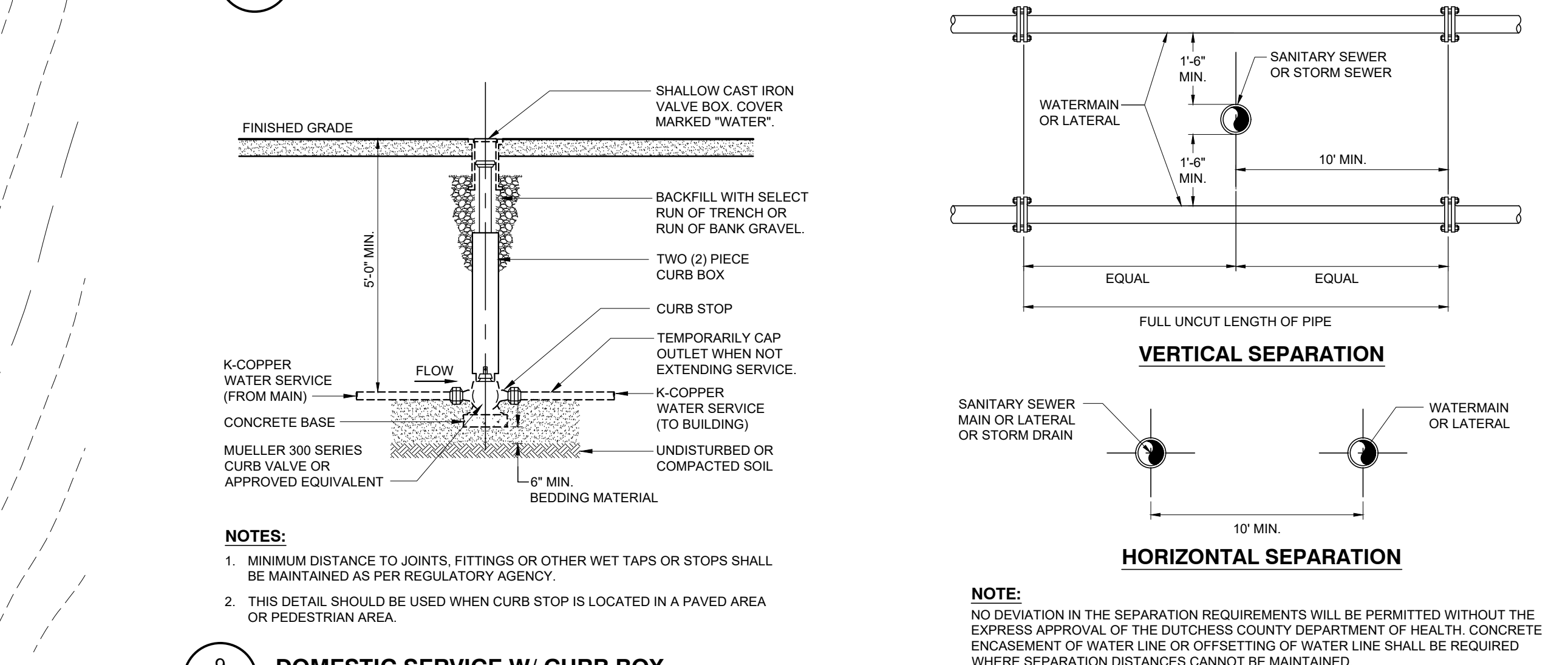
**WASTEWATER SYSTEM DESIGN CALCULATIONS**

**SITE NOTE**  
1. MUNICIPAL WATER PROVIDED AT SITE.

PIPE SIZE (INCHES)	THICKNESS CLASS	WALL THICKNESS (INCHES)	MAX TAP SIZE (INCHES)
4"	52	0.29	3/4
6"	52	0.31	1
8"	52	0.33	1-1/4
10"	52	0.35	1-1/2
12"	52	0.37	2
14"	52	0.39	2
16"	52	0.40	2
18"	52	0.41	2
20"	52	0.42	2
24"	52	0.44	2

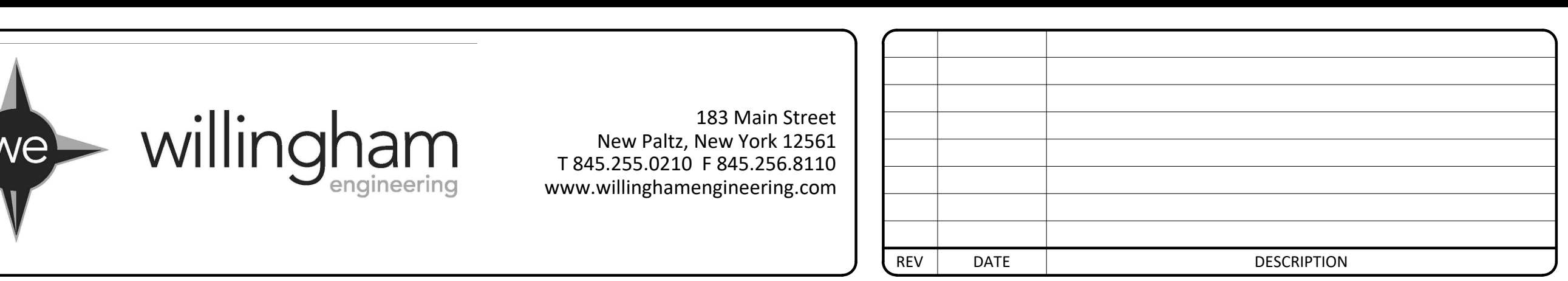


**7 TYPICAL COPPER WATER SERVICE TAPS**  
SCALE: N.T.S.



**8 DOMESTIC SERVICE W/ CURB BOX**  
SCALE: N.T.S.

**9 WATER MAIN / SANITARY / STORM SEWER SEPARATION DETAIL**  
SCALE: N.T.S.



**10 PROPOSED WASTEWATER DISPOSAL PLAN**  
SCALE: 1"=30'

SECTION/BLOCK/LOT:	108-2-34.211 (LOT 1)
PARCEL AREA:	2.0 ACRES
OWNER:	SHIRLEY D SARINSKY LIVING TRUST 33 BEAR RUN ROAD SHOKAN, NY 12481

ZONE:	RAG-1
CURRENT USE:	VACANT
PROPOSED USE:	RESIDENTIAL

ITEM	REQUIRED
MINIMUM LOT AREA	1 AC
MINIMUM LOT WIDTH	150'
MINIMUM LOT DEPTH	200'
MINIMUM FRONT YARD	50'
MINIMUM REAR YARD	75'
MINIMUM SIDE YARD	35/80'
MAXIMUM BUILDING COVERAGE	20%
MINIMUM AGRICULTURAL SETBACK	75'
MAXIMUM BUILDING HEIGHT	35'

**GENERAL WASTEWATER SYSTEM NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF "APPENDIX 75-A OF PART 75 OF THE NYS HEALTH CODE," NEW YORK STATE DEPARTMENT OF HEALTH AND THE NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS, LATEST EDITION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
- NO PROPOSED WELLS WITHIN 100' OF A SEPTIC SYSTEM.
- NO PROPOSED SEPTIC SYSTEMS WITHIN 100' OF A WELL.
- ALL PIPE PENETRATIONS AND UNUSED OUTLETS IN THE SEPTIC TANK AND DISTRIBUTION BOX MUST BE SEALED WITH GROUT.
- NO TRENCHES SHALL BE INSTALLED IN WET OR FROZEN SOIL.
- PERFORATED PIPING IN THE ABSORPTION TRENCHES SHALL BE SLOPE PER DETAIL. THE ENDS OF ALL DISTRIBUTION LATERALS SHALL BE CAPPED.
- ROOF AND FOOTING DRAIN PIPES MUST EXTEND TO DAYLIGHT AND NOT BE DIRECTED ONTO THE SEPTIC FIELD AREA.
- LOW FLOW WATER SAVING FIXTURES SHALL BE USED. GARBAGE GRINDER DEVICES ARE NOT ALLOWED.
- ALL TREES WITHIN 10 FEET OF THE SEPTIC FIELD AREA MUST BE REMOVED PRIOR TO THE INSTALLATION OF THE SEPTIC FIELD.
- NO DRIVEWAYS, ROADWAYS, OR PARKING AREAS SHALL BE CONSTRUCTED OVER ANY PORTION OF THE WASTEWATER DISPOSAL SYSTEM.
- HEAVY EQUIPMENT MUST BE KEPT AWAY FROM THE DRAINAGE FIELD, SINCE THE WEIGHT OF THE EQUIPMENT MAY PERMANENTLY ALTER SOIL CHARACTERISTICS DUE TO COMPACTION.
- THERE SHALL BE NO BENDS IN THE RAW SEWER LINE.
- OBJECTS AND STRUCTURES SUCH AS SWIMMING POOLS, SHEDS OR DECKS SHALL NOT BE CONSTRUCTED ABOVE SEPTIC TANKS, DISTRIBUTION BOXES, AND ABSORPTION AREAS.
- THE CWT'S IS NOT DESIGNED TO RECEIVE MACERATED WASTEWATER FROM GARBAGE GRINDERS OR INTERNAL SEWAGE PUMP STATIONS.

PERCOLATION RATE (MINUTES/INCH)	APPLICATION RATE (GAL./DAY/SQ. FT.)
1 - 5	1.20
6 - 7	1.0
8 - 10	0.80
11 - 15	0.80
16 - 20	0.70
21 - 30	0.60
31 - 45	0.50
46 - 60	0.45

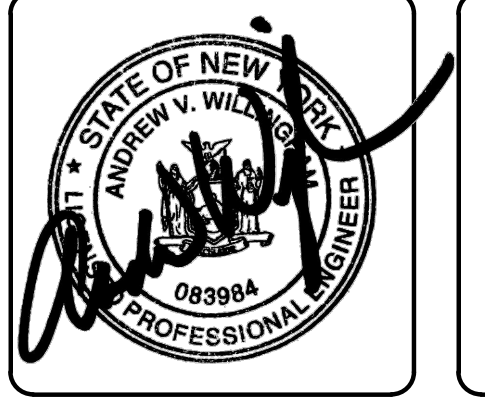
**WASTEWATER APPLICATION RATES**

TEST	ROCK DEPTH	WATER DEPTH	SOIL PROFILE
DT-1	--	--	0'-8" TOPSOIL 6'-23" SILTY LOAM 23'-42" MOTTLED CLAY
DT-2	--	--	0'-6" TOPSOIL 6'-22" SILTY LOAM 22'-35" MOTTLED CLAY

NOTE: DEEP TESTS WERE COMPLETED ON DECEMBER 14, 2022 IN THE PRESENCE OF ULSTER COUNTY DEPARTMENT OF HEALTH REPRESENTATIVE CHRIS KRESSER.

TEST	HOLE DEPTH	STABILIZED RATE
PT-1	12"	54 M
PT-2	12"	52 M

NOTE: PERCOLATION TESTING WAS CONDUCTED BY WILLINGHAM ENGINEERING ON DECEMBER 19, 2022.



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UNDER ARTICLE 145 (ENGINEERING), SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW, IT IS UNLAWFUL FOR ANY PERSON TO ALTER ANY ITEM ON THIS DRAWING, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LICENSED SURVEYOR. IF ANY ITEM IS ALTERED, THE ALTERING ENGINEER AND/OR SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



REV	DATE	DESCRIPTION

**SANITARY WASTEWATER DISPOSAL PLAN**

**THE SHIRLEY D. SARINSKY LIVING TRUST (LOT 1)**

RIDGE ROAD

TOWN OF MARLBOROUGH, ULSTER COUNTY, NEW YORK

DRAWN BY	MLT <th>CHECKED BY</th> <td> </td>	CHECKED BY	
DATE	01/16/23 <th>SCALE</th> <td>AS NOTED</td>	SCALE	AS NOTED
PROJECT NO.	22089 <th>SHEET NO.</th> <td> </td>	SHEET NO.	
SHEET NO.	SA-1 (11) <th> </th> <td> </td>		