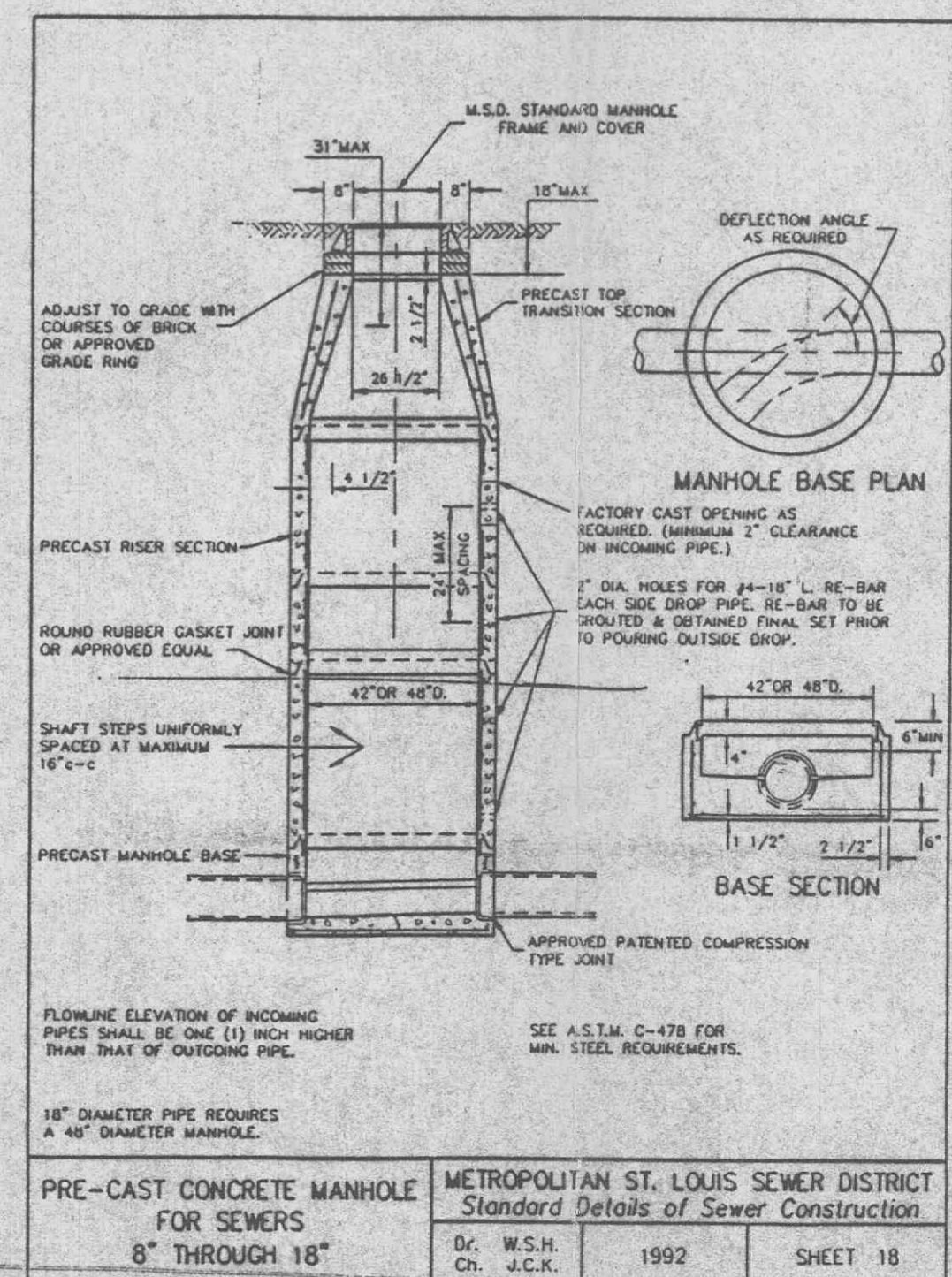
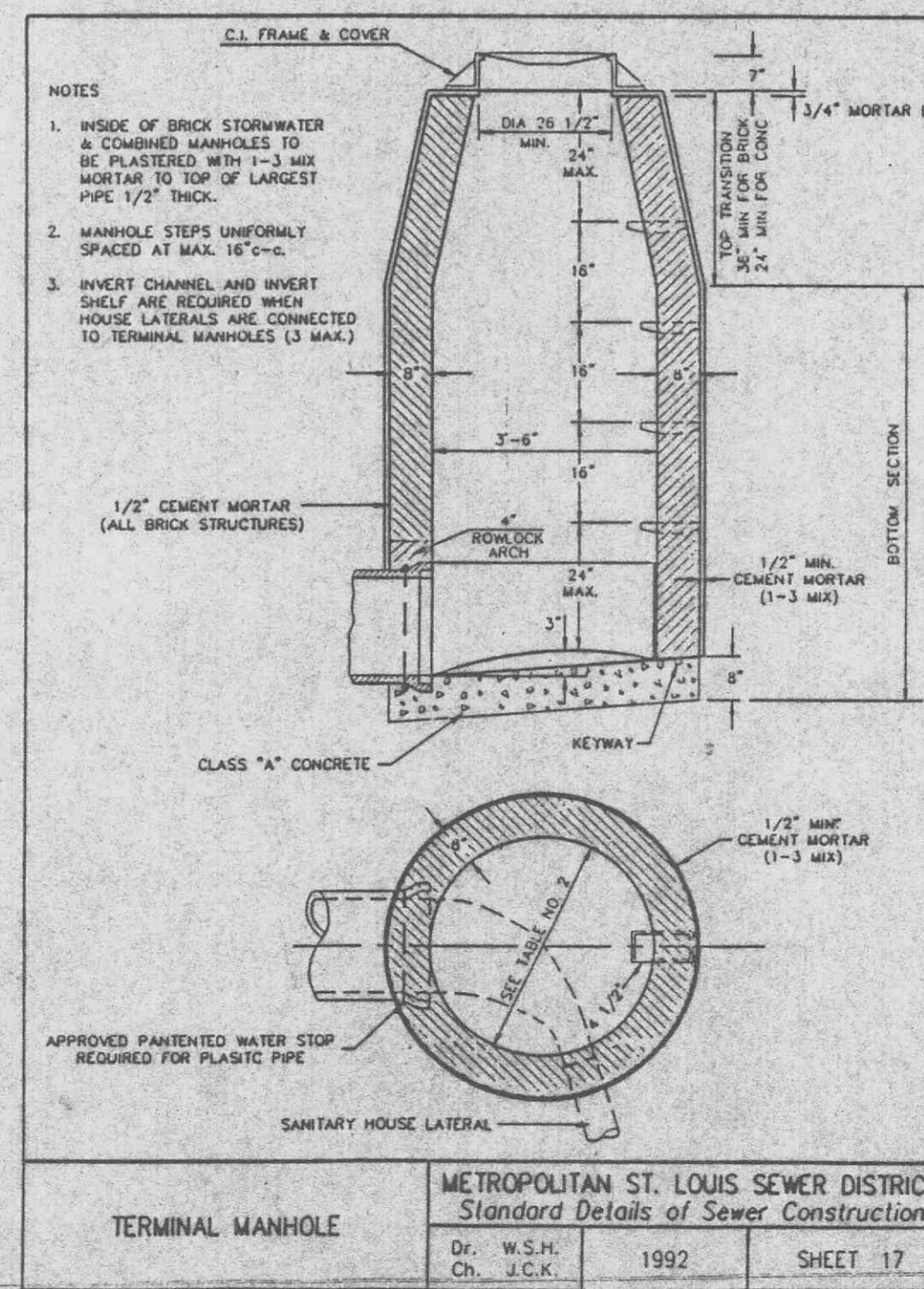
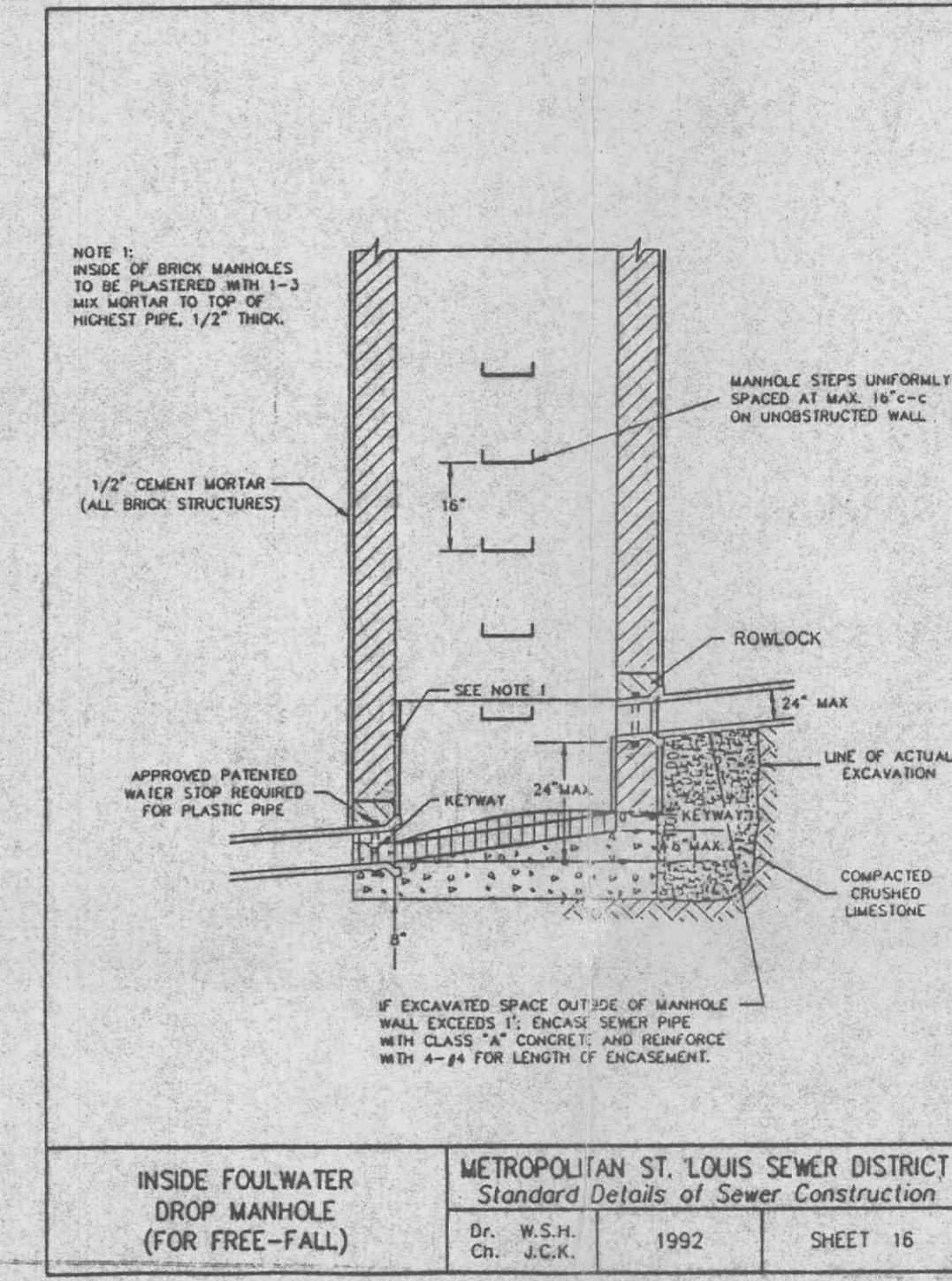
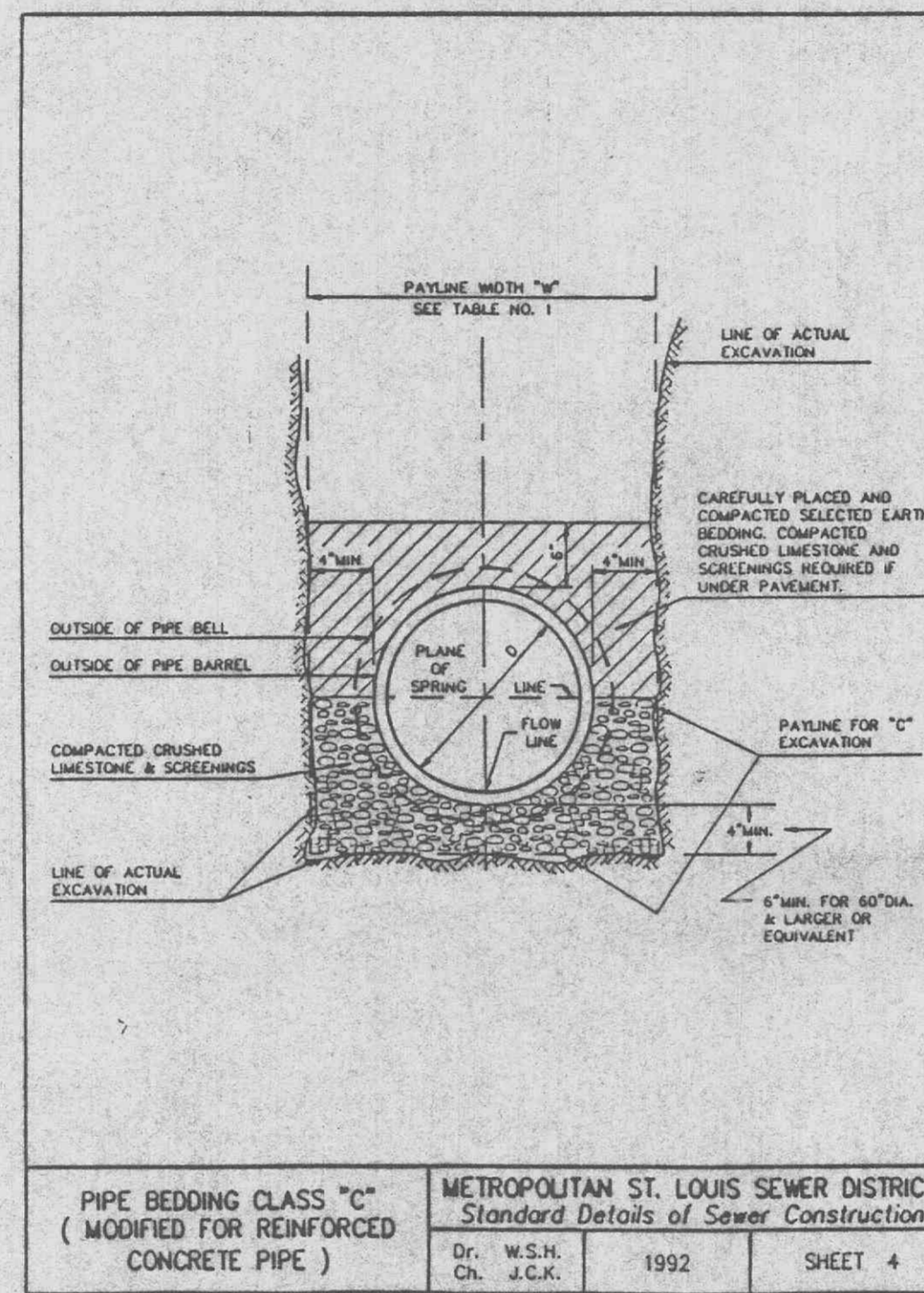


A PARTIAL SANITARY SEWER PLAN FOR
THE CROSSINGS
 A TRACT OF LAND IN
 SECTION 21, 22, U.S. SURVEY 63 AND 3070,
 TOWNSHIP 47 NORTH, RANGE 3 EAST,
 ST. CHARLES COUNTY, MISSOURI

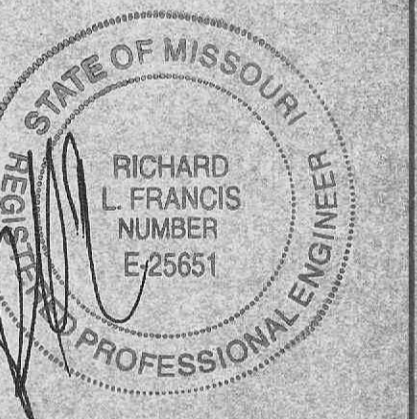
GENERAL NOTES:

- 1) UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.
- 2) ALL MANHOLE AND INLET TOPS BUILT WITHOUT ELEVATIONS FURNISHED BY THE ENGINEER WILL BE THE RESPONSIBILITY OF THE SEWER CONTRACTOR.
- 3) 8" P.V.C. SANITARY SEWER PIPE SHALL MEET THE FOLLOWING STANDARDS. A.S.T.M.-D-3034 SDR-35, WITH WALL THICKNESS COMPRESSION JOINT A.S.T.M.-D-3212. AN APPROPRIATE RUBBER SEAL WATERSTOP AS APPROVED BY THE SEWER DISTRICT SHALL BE INSTALLED BETWEEN P.V.C. PIPE AND MASONRY STRUCTURES.
- 4) EASEMENTS SHALL BE PROVIDED FOR SANITARY SEWERS. SEE EXHIBIT FOR LOCATION AND SIZE OF EASEMENTS.
- 5) ALL SANITARY MANHOLES SHALL BE WATERPROOFED ON THE EXTERIOR IN ACCORDANCE WITH MISSOURI DEPARTMENT OF NATURAL RESOURCES SPECIFICATIONS 10 CSR-8.120 (7).
- 6) BRICK SHALL NOT BE USED ON MANHOLES.
- 7) THE CITY OF O'FALLON SEWERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OF SANITARY SEWERS FOR COORDINATION AND INSPECTION.
- 8) ALL STORM AND SANITARY TRENCH BACKFILLS SHALL BE WATER JETTED. GRANULAR BACKFILL WILL BE USED UNDER PAVEMENT AREAS.
- 9) ALL PVC SANITARY SEWER PIPE IS TO BE SDR-35 OR EQUAL WITH "CLEAN" 1/2" TO 1" GRANULAR STONE BEDDING UNIFORMLY GRADED. THIS BEDDING SHALL EXTEND FROM 4" BELOW THE PIPE TO SPRINGLINE OF PIPE. IMMEDIATE BACKFILL OVER PIPE SHALL CONSIST OF SAME SIZE "CLEAN" OR MINUS STONE FROM SPRINGLINE OF PIPE TO 12" ABOVE THE TOP OF PIPE.
- 10) CONCRETE PIPE JOINTS SHALL BE MSD TYPE "A" APPROVED COMPRESSION-TYPE JOINTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR JOINTS FOR CIRCULAR CONCRETE SEWER AND CULVERT PIPE, USING FLEXIBLE, WATER-TIGHT, RUBBER-TYPE GASKETS ASTM C443. BAND-TYPE GASKETS DEPENDING ENTIRELY ON CEMENT FOR ADHESION AND RESISTANCE TO DISPLACEMENT DURING JOINTING SHALL NOT BE USED.
- 11) GAS, WATER AND OTHER UNDERGROUND UTILITIES SHALL NOT CONFLICT WITH THE DEPTH OR HORIZONTAL LOCATION OF EXISTING OR PROPOSED SANITARY SEWERS.
- 12) EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.
- 13) PRE-MANUFACTURED ADAPTERS SHALL BE USED AT ALL PVC TO DIP CONNECTIONS. RUBBER BOOT / MISSION-TYPE COUPLINGS WILL NOT BE ALLOWED.



PREPARED FOR:
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DISCLAIMER OF RESPONSIBILITY
 I hereby certify that the documents intended to be authenticated by my seal are limited to this sheet and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.



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REVISIONS	
8/4/98	REVISIONS
8/17/98	CITY COMMENTS

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APPROVED
 8/17/98
 Sean Cadell

07-17-98
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