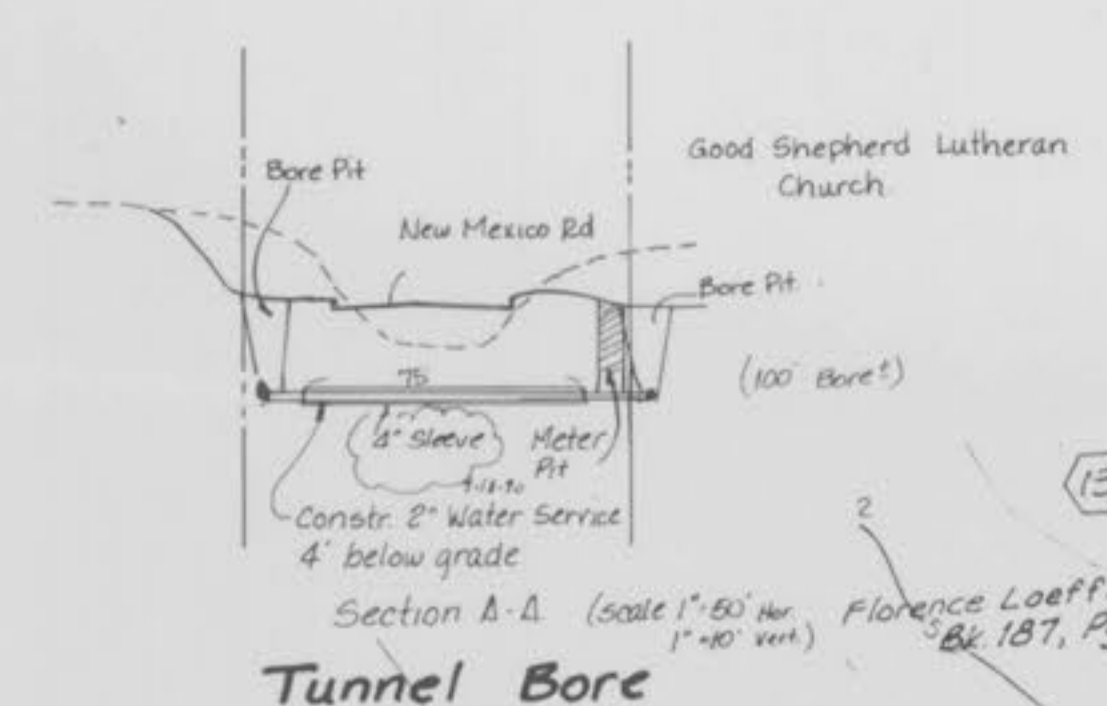
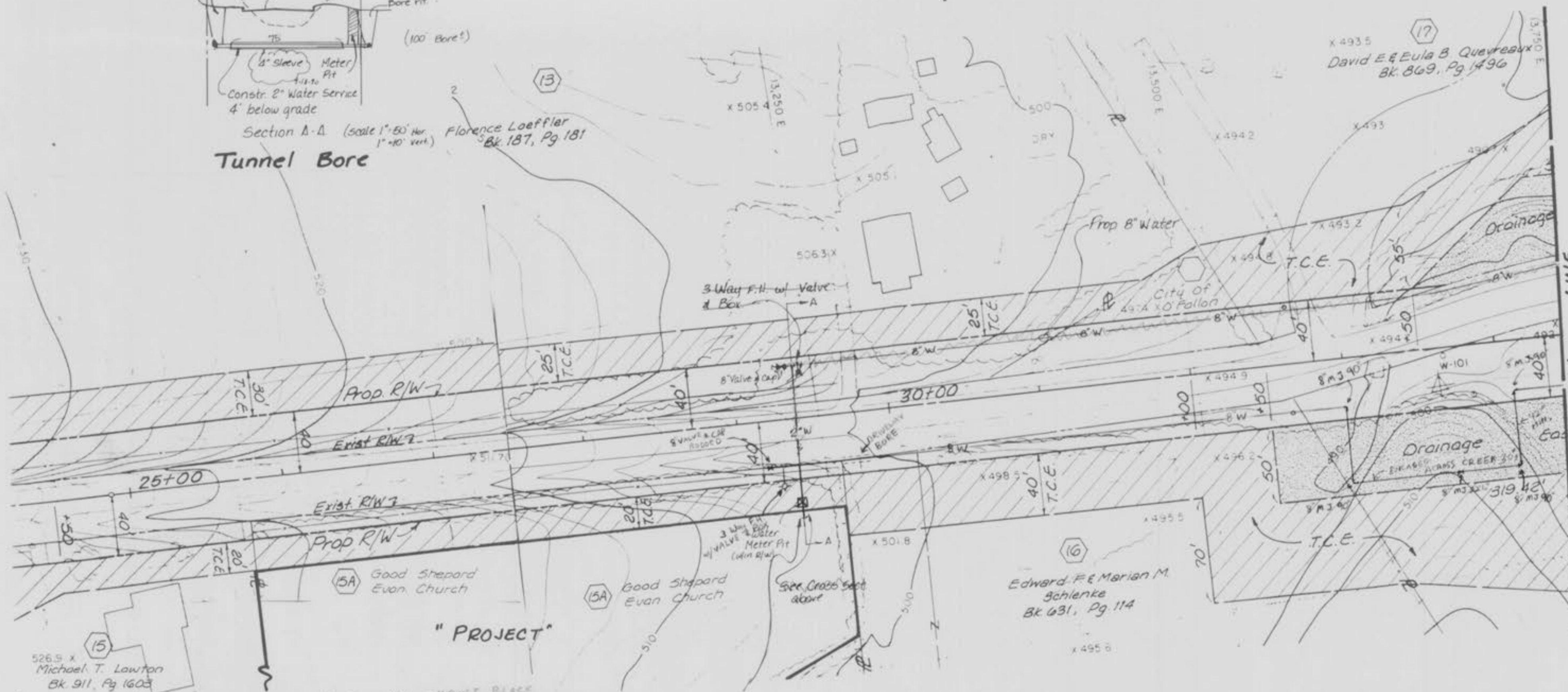




Note: The 8" water line extension must go under or around the 2" Box Culverts the cross Mexico Rd. (Per City of O'Fallon)



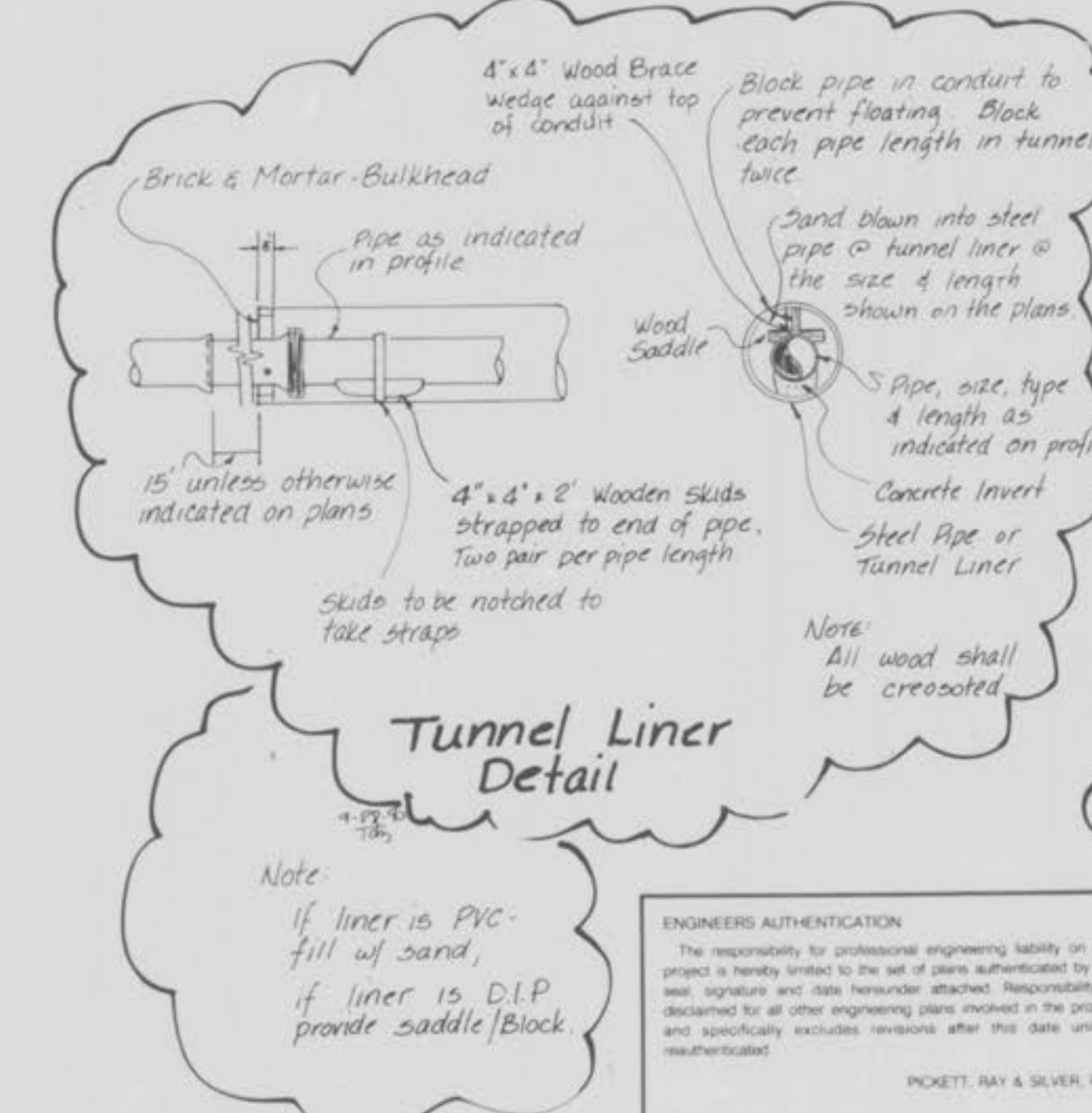
Tunnel Bore



NOTE:
Underground utilities and structures have been plotted from available information and therefore, their location must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction.

NOTE - ALL THREAT BLACK TO CITY STAND.
TRACE WIRE FROM HYDRANT TO HYDRANT THROUGH VALVES.
ALL LINE WITHIN PERM. EASEMENTS.

2" water line for service shall be bored under Mexico Rd.



Tunnel Liner Detail

Note:
if liner is PVC fill w/ sand,
if liner is D.I.P provide saddle/block

- General Notes:
1. All disturbed areas shall be seeded & mulched
 2. The proposed line shall be constructed within the Right-of-Way.
 3. Water lines, valves, sleeves, meters & etc. shall meet all specifications & installed requirements of the local governing authority.
 4. All cast iron pipe for water mains shall conform to AWWA specifications C-101.4 for C-101. The cast iron fittings shall conform to AWWA specification C-110. All rubber gasket joints for water cast iron pressure pipe & fittings shall conform to AWWA spec C-110.
 5. All water hyd. valves shall be cast iron & installed in accordance w/ Plans & details.
 6. Contractor shall provide an as-built drawing for water extension (lengths & number of valves) 106.

ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authorized by the seal, signature and date hereunder attached. Responsibility is declared for all other engineering plans involved in the project and specifically excludes revisions after this date unless reauthorized.

PICKETT RAY & SILVER

Civil Engineers
Planners
Land Surveyors

"Water Line Extension"
Good Shepherd Lutheran Church
"AS BUILTS" 6-2-92
BY LAD.

DRAWN <i>tdh</i>	DATE 8-18-90	3
CHECKED	DATE	
FIELD BOOK	PROJECT # 90007	3
	JOB ORDER #	

Rev. 2 9-28-90 To City of O'Fallon
Rev. 1 8-27-90 To City of O'Fallon Comments