

CALVARY BAPTIST CHURCH

OFFSITE SANITARY SEWER LINE

CITY OF O'FALLON GENERAL NOTES

1. Gas, water and other underground utilities shall not conflict with the depth or horizontal locations of existing and proposed sanitary and storm sewers, including house laterals.
2. Underground utilities have been plotted from available information and, therefore, their locations must 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 grading or construction of improvements.
3. Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR-35.
4. Storm sewers 18" in diameter or smaller shall be ASTM C-14.
5. Storm sewers 21" in diameter or larger shall be ASTM C-76, Class II.
6. All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class III) unless noted otherwise in the plans.
7. Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M-36, A.A.S.H.O. See plans for gauge.
8. All filled places under buildings, proposed sanitary and storm sewer lines, and/or paved areas including trench backfills shall be compacted to 90% of maximum density as determined by the "Modified A.A.S.H.O. T-180 Compaction Test" (ASTM D-1557) unless otherwise specified by the local governing authority specifications. All tests will be verified by a soils engineer.
9. All earthen filled places within State, County, or City roads (Highways) shall be compacted to 95% of maximum density as determined by the "Standard Proctor Test A.A.S.H.O. T-99" (ASTM D-698) unless otherwise specified by local governing authority specifications. All tests will be verified by a soils engineer.
10. All storm and sanitary trench backfills shall be water jetted. Granular fill will be used under paved areas.
11. Easements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plot. See record plat for location and size of easements. This does not apply to house laterals.
12. No area shall be cleared without the permission of the developer.
13. All grades shall be within 0.2 feet (more or less) of those shown on the grading plan.
14. No slope shall be greater than 3:1 and shall be either sodded or seeded and mulched.
15. Hazard markers will consist of three (3) standard specification, "Manual on Uniform Traffic Control Devices," end of roadway markers mounted on two (2) pound "U" channel sign post. Each marker shall consist of an eighteen (18) inch diamond reflectorized red panel. The bottom of each panel shall be mounted a minimum of four (4) feet above the elevation of the pavement surface.
16. All manhole and curb inlet tops built without elevations furnished by the Engineer will be the responsibility of the sewer contractor. At the time of construction stake-out of the sewer lines, all curb and grate inlets will be face staked. If normal face stakes fail in line with sewer construction, the Engineer will set these stakes on a double offset. It shall be the responsibility of the sewer contractor to preserve all face stakes from destruction.
17. All standard street curb inlets to have front of inlet 2 feet behind curb.
18. The minimum vertical distance from the low point of the basement to the flowline of a sanitary sewer at the corresponding house connection shall not be less than the diameter of the sanitary sewer plus a vertical distance not less than two and one-half feet (2-1/2').
19. Water lines, valves, sleeves, meters and etc., shall meet all specifications and installation requirements of the local governing authority.

LOCATION MAP



DRAWING INDEX

Sheet	Description
1	COVER SHEET
2	SITE PLAN
3	SANITARY SEWER PROFILE
4-5	DETAIL SHEETS

LEGEND

●	Sanitary Sewer (Proposed)	⊗	Sanitary Structure	R.C.P.	Reinforced Concrete Pipe
○	Sanitary Sewer (Existing)	⊗	Storm Structure	C.M.P.	Corrugated Metal Pipe
—■—	Storm Sewer (Proposed)	⊗	Test Hole	C.I.P.	Cast Iron Pipe
—□—	Storm Sewer (Existing)	⊗	Power Pole	P.V.C.	Polyvinyl Chloride
—x—	Water Line & Size	⊗	Light Standard	V.C.P.	Vitrified Clay Pipe
—EX—	Existing water line	⊗	Double Water Meter Setting	C.O.	Clean Out
⊕	Test & Valve	⊗	Single Water Meter Setting	V.T.	Vent Trap
⊕	Hydrant	C.I.	Curb Inlet	T.B.R.	To Be Replaced
⊕	Cap	S.C.I.	Skewed Curb Inlet	T.B.R. & R.	To Be Replaced
18	Lot or Building Number	D.C.I.	Double Curb Inlet	T.B.P.	To Be Proposed
—x—	Existing Fence Line	G.I.	Grate Inlet	T.B.A.	To Be Abolished
⊕	Existing Tree Line	A.I.	Area Inlet	B.C.	Base Of Concrete
⊕	Street Sign	D.A.I.	Double Area Inlet	T.C.	Top Of Concrete
⊕	Existing Contour	C.C.	Concrete Callar	T.W.	Top Of Water
⊕	Proposed Contour	F.E.	Flared End Section	B.W.	Base Of Water
⊕	Grouted Rip-Rap	E.P.	End Pipe	(TYP)	Typical
⊕	End of Lateral	E.D.	Energy Dissipator	M.H.	Manhole
⊕	Asphalt Pavement	C.P.	Concrete Pipe	U.N.O.	Unless Noted
⊕	Concrete Pavement	U.I.P.	Use In Place		

REVISIONS

PICKETT RAY & SILVER

Celebrating 25 Years of Service

ENGINEERS AUTHENTICATION The responsibility for professional engineering liability on this project is hereby limited to the set of plans submitted by the user, signature and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in the project and specifically includes revisions after this date unless re-authenticated. PICKETT, RAY & SILVER, INC.	DEVELOPER PREPARED FOR: CALVARY BAPTIST CHURCH 1147 HIGHWAY P O'FALLON, MISSOURI 63366 (314) 240-4299
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DRAWN <u>KJD</u> DATE <u>4-2</u> CHECKED <u>VC</u> DATE <u>4-2</u>	PROJECT # <u>95-</u> JOB ORDER # <u>34</u>
FIELD BOOK 609	PROJECT # 95- JOB ORDER # 34