PLANS FOR CONSTRUCTION OF
SANITARY SEWERS, STORM SEWERS,
GRADING, PAVING, AND WATER MAINS
FOR

BAYFIELD

PART OF FRACTIONAL SECTION 5, T.46N.-R3E.

ST. CHARLES COUNTY, MISSOURI

Bayfield Grading & Drainage

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 improvements.

2) All Manhole and Inlet tops built without elevations furnished by the Engineer will be the responsibility of the Sewer Contractor.

3) All Standard Curb Inlets to have front of inlet 2' (foot) behind curb.

4) Storm Sewers 18" diameter and smaller shall be A.S.T.M. C-14 unless otherwise shown on the plans.

5) Storm Sewers 21" diameter and larger shall be A.S.T.M. C-76, Class II minimum, unless otherwise shown on the plans.

6) All storm sewer pipe in the right-of-way shall be Reinforced Concrete Pipe (A.S.T.M. C-76 Class II Minimum.)

7) Corrugated Metal Pipe shall conform to the standard specifications for corrugated culvert pipe M36, AASHO. See plans for gauge.

8) 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-1212. An appropriate rubber seal waterstop as approved by the sewer district shall be installed between P.V.C. pipe and masonry structures.

9) All filled places, including trench backfills, under buildings, proposed storm and sanitary sewer lines and/or paved areas, shall be compacted to 90% of maximum density as determined by the "Modified AASHO T-180 Compaction Test." (A.S.T.M.-D-1557) All filled places within public roadways shall be compacted to 90% of maximum density as determined by the "Standard Proctor Test AASHO T-99, Method C" (A.S.T.M. D-698)

10) All trench backfills within the public R.O.W., shall be granular backfill. Granular backfill shall be water jetted to attain proper compaction. Trench backfills under paved areas, outside of public R.O.W. may be granular backfill in lieu of the earth backfill compacted to 90% of the Modified AASHO Compaction Test.

11) All sanitary house connections have been designed so that the minimum vertical distance from the low point of the basement to the flow line of a sanitary sewer at the corresponding house connection is not less than the diameter of the pipe plus a vertical distance of 2½ feet.

12) No area shall be cleared without the permission of the Project Engineer.

13) All grades shall be within 0.2 feet of those shown on the grading plan.

14) No slope shall be steeper than 3:1 or as called for in the Soils Report for the project. All slopes shall be sodded or seeded and mulched.

15) Barricades will consist of three standard specification "Manual or Uniform Traffic Control Devices," end of roadway markers mounted 4' above pavement on two pound "U" channel sign post. Each marker shall consist of an 18" diamond reflectorized red panel.

16) All construction & materials used shall conform to current St. Charles County Standards.

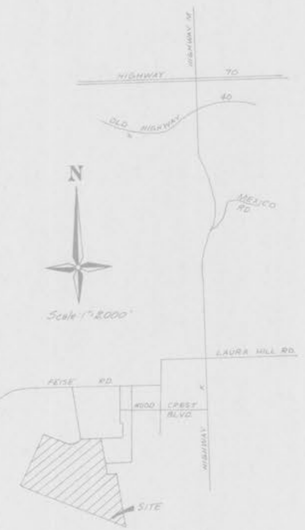
17) All P.V.C. sanitary sewer pipe to have crushed stone bedding uniformly graded between 1" and ¼" size. This bedding shall extend from 6" below the pipe to 7/10 of the pipe depth above the bottom of the pipe.

18) All soils tests shall be verified by a Soils Engineer concurrent with the grading and backfilling operations.

19) Easements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plat. See record plat for location, size of easements.

20) Cul-de-sac islands shall be designated as common ground on the record plat.

KEY MAP



LOCATION MAP

LEGEND

C.I.	Curb Inlet
D.C.I.	Double Curb Inlet
A.I.	Area Inlet
M.H.	Manhole
F.E.	Flared End Section
E.P.	End Pipe
C.P.	Concrete Pipe
R.C.P.	Reinforced Concrete Pipe
C.M.P.	Corrugate Metal Pipe
C.I.P.	Cast Iron Pipe
P.V.C.	Poly Vinyle Chloride
C.O.	Clean Out
⊕	Fire Hydrant
□	Storm Sewer
○	Sanitary Sewer
670	Existing Contour
670	Proposed Contour
	Street Sign
T.H.	T.H. Elevation of House Connection
F.L.	F.L. of Sanitary Sewer
177	Lot Number

DEVELOPMENT NOTES

1) Present Zoning R-1E Single Family

2) Minimum lot size 7,000 square feet

3) Tract is served by the following:
   a) Duckett Creek Sewer District
   b) St. Charles County Water District No. 2
   c) Cuivre River Electric & Mo. Edison Electric Co.
   d) St. Charles Gas Company
   e) Continental Telephone Co.
   f) Fort Zumwalt School District
   g) O'Fallon Fire District

4) Number of lots proposed 373

5) A 25' building set back line shall be established for all lots.

6) Benchmark: P.K. Nail in Power Pole, 18"± above existing ground, 87'± East of center line of Amarillo Drive & 38'± North of center line of Feise Road. Elevation: 621.79 (U.S.G.S. Datum)

INDEX

APPROVED
3-29-88
GBA

GEORGE BUTLER ASSOCIATES, INC.
SUITE 200 - 225 SOUTH MAIN ST.
O'FALLON, MISSOURI 63366

RECEIVED MAR 29 1988

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724-3330 946-6388

HAROLD J. BAX NUMBER E-17969 STATE OF MISSOURI

ENGINEER HAROLD J. BAX P.E.

DEVELOPER:
COMMUNITY SAVINGS SERVICE
2 COMMUNITY FEDERAL CENTER
ST. LOUIS, MO. 63136

DATE: January 24 1988 REVISED 3/18/88

ORDER NO. 87-1200 SHEET 1