

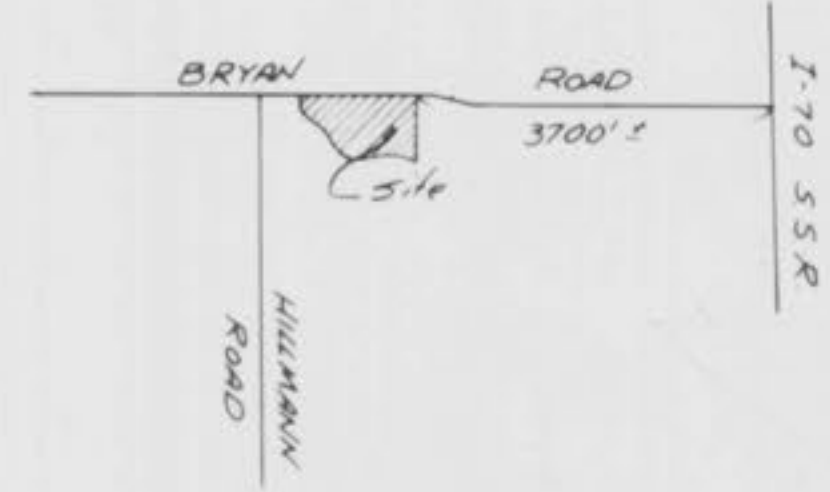
~~PLANS FOR CONSTRUCTION OF  
SANITARY SEWERS STORM SEWERS  
GRADING PAVING AND WATER MAINS  
FOR~~

# SANITARY SEWER & WATER MAIN "AS-BUILTS" HILL SIDE MOBILE MANOR

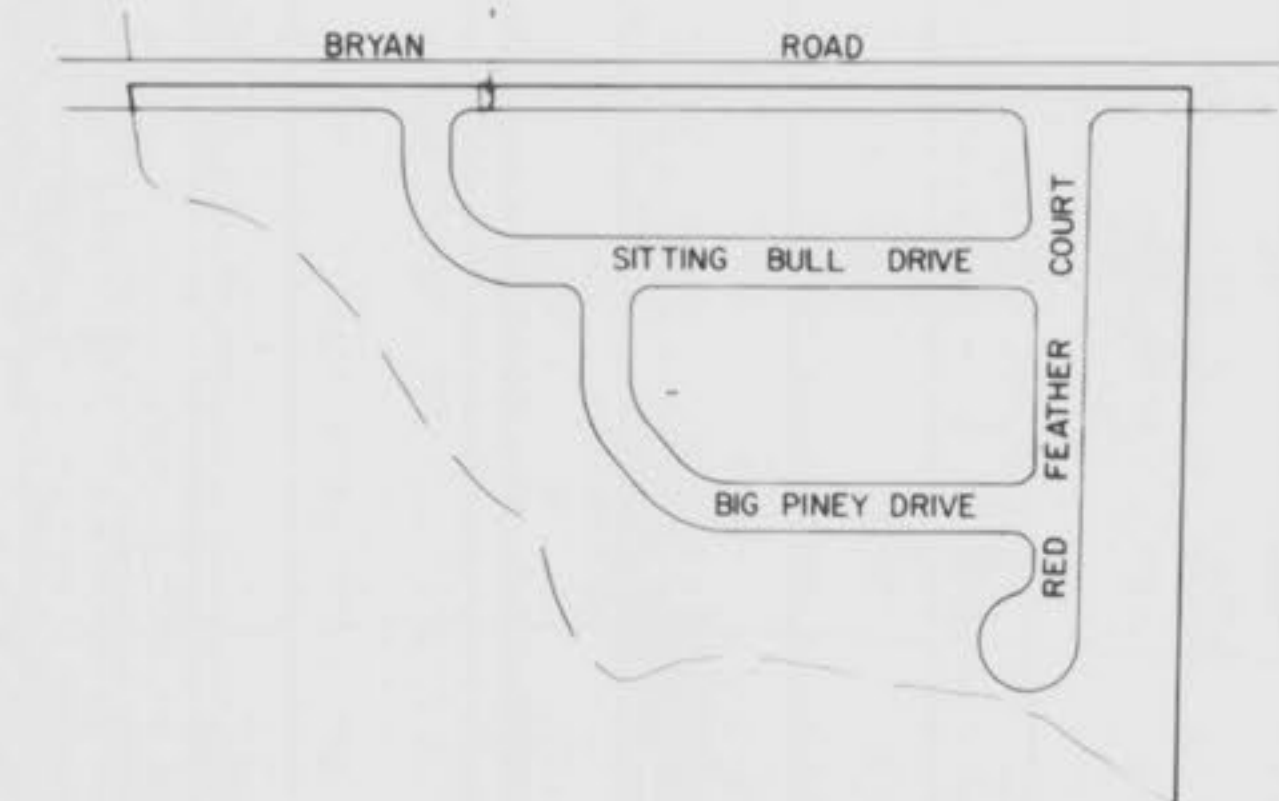
PART OF SECTION 31  
T. 47 N. R. 3 E., IN THE CITY OF O'FALLON  
ST. CHARLES COUNTY, MO.

### GENERAL NOTES

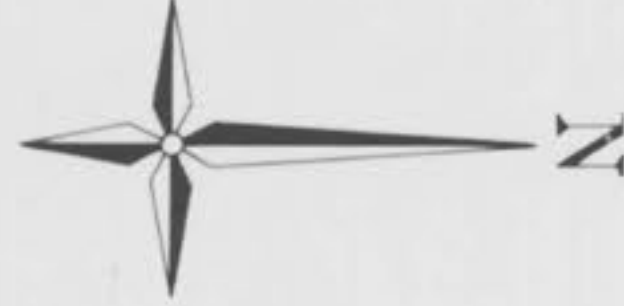
- 1) Underground utilities have been plotted from available information and therefore their locations shall be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall 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, AASHTO. 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-3212. 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 AASHTO 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 AASHTO T-99, Method A" (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 AASHTO Compaction Test.
- 11) No area shall be cleared without the permission of the Project Engineer.
- 12) All grades shall be within 0.2 feet of those shown on the grading plan.
- 13) No slope shall be steeper than 2:1 or as called for in the Soils Report for the project. All slopes shall be sodded or seeded and mulched.
- 14) All construction & materials used shall conform to current St. Charles County & City of O'Fallon Standards.
- 15) All P.V.C. sanitary sewer pipe to have crushed stone bedding uniformly graded between 1" and 1/2" size. This bedding shall extend from 6" below the pipe to 7/10 of the pipe depth above the bottom of the pipe.
- 16) All soils tests shall be verified by a Soils Engineer concurrent with the grading and backfilling operations.
- 17) Basements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plat. See record plat for location size of easements.
- 18) Entrance island shall be designated as common ground on the record plat.
- 19) A 50' Building Line shall be established along Bryan Road.
- 20) An 8' Building Line shall be established along all other public Right-of-Ways.
- 21) Site is served by:  
City of O'Fallon Sewers & Water  
Mo. Edison or Cuvre River  
Continental Telephone Company  
Port Zumat R-2 School District  
O'Fallon Fire District



**LOCATION MAP**



**KEY MAP**



### DEVELOPMENT NOTES

Present Zoning - R-5  
Minimum Lot Size - 3000 Sq Ft.  
Number of Lots Proposed - 55

Benchmark: Old # in Center of West Handwall  
of culvert, Located 19' West of E of Bryan Rd.  
8'158' South of E of Sunburst. Elevation 580.08  
(U.S.G.S. Datum) Per Pickett, Ray & Silver.

### 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 Vinyl Chloride (Plastic Pipe)
- C.O. Clean Out
- ▽ Fire Hydrant
- Storm Sewer
- Sanitary Sewer
- Existing Contour
- Proposed Contour
- + Street Sign
- F.L. Elevation of House Connection
- F.L. of Sanitary Sewer
- 23 Lot Number

### INDEX

- Sheet 1 Cover Sheet
- Sheet 2 Flat Plan
- Sheet 3 Grading Plan
- Sheet 4 Street & Drainage Profiles
- Sheet 5 Sanitary Sewer Profiles
- Sheet 6 Drainage Area Map
- Sheet 7 Construction Details



This is to certify that the Sanitary Sewer & Water Main "AS-BUILT" locations were located in the field and are correctly shown herein.

*Thomas E. Smith*  
Thomas E. Smith MO Reg. L.S.#1462

**BAX ENGINEERING CO., INC.**  
523 South Fifth Street St. Charles, MO. 63301  
P.O. Box 887 St. Louis, MO. 63011  
724-3330 946-6588

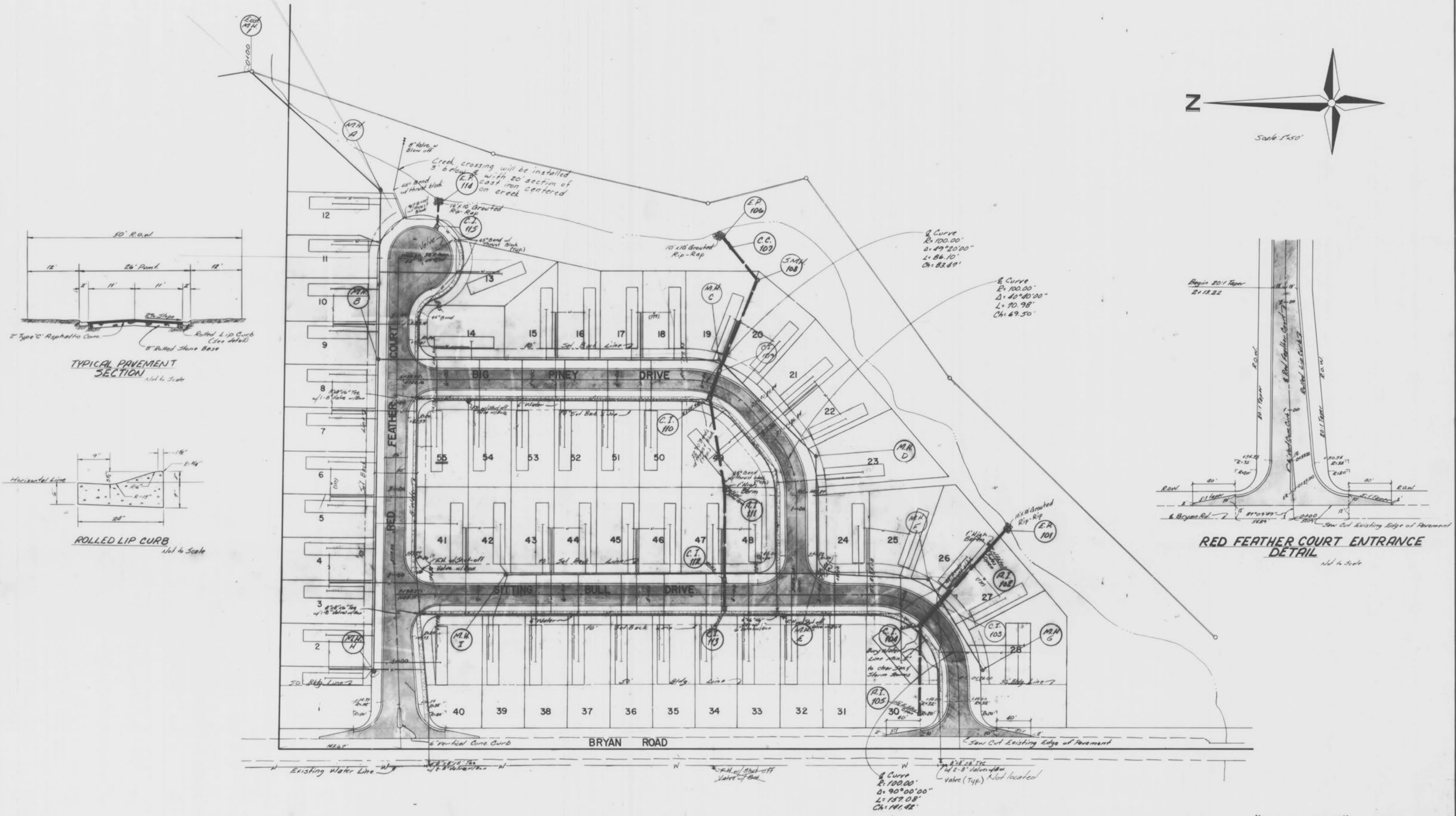
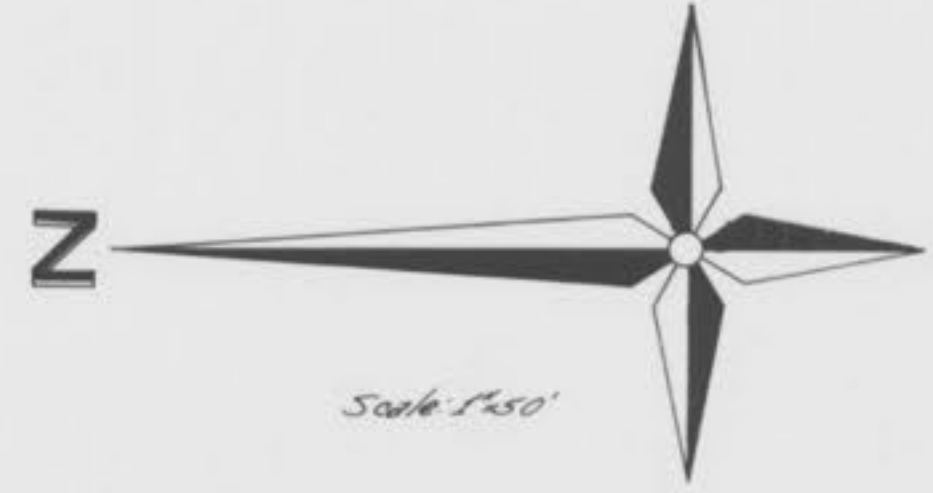
DEVELOPER:  
**ESTHER HUSE, ETAL.**  
RTE. 6 BOX 383  
O'FALLON, MO. 63366

DATE JANUARY 3, 84 REV     

ENGINEER:  
HAROLD J. BAX P.E.

ORDER NO. 83-1077 SHEET 1 OF 7

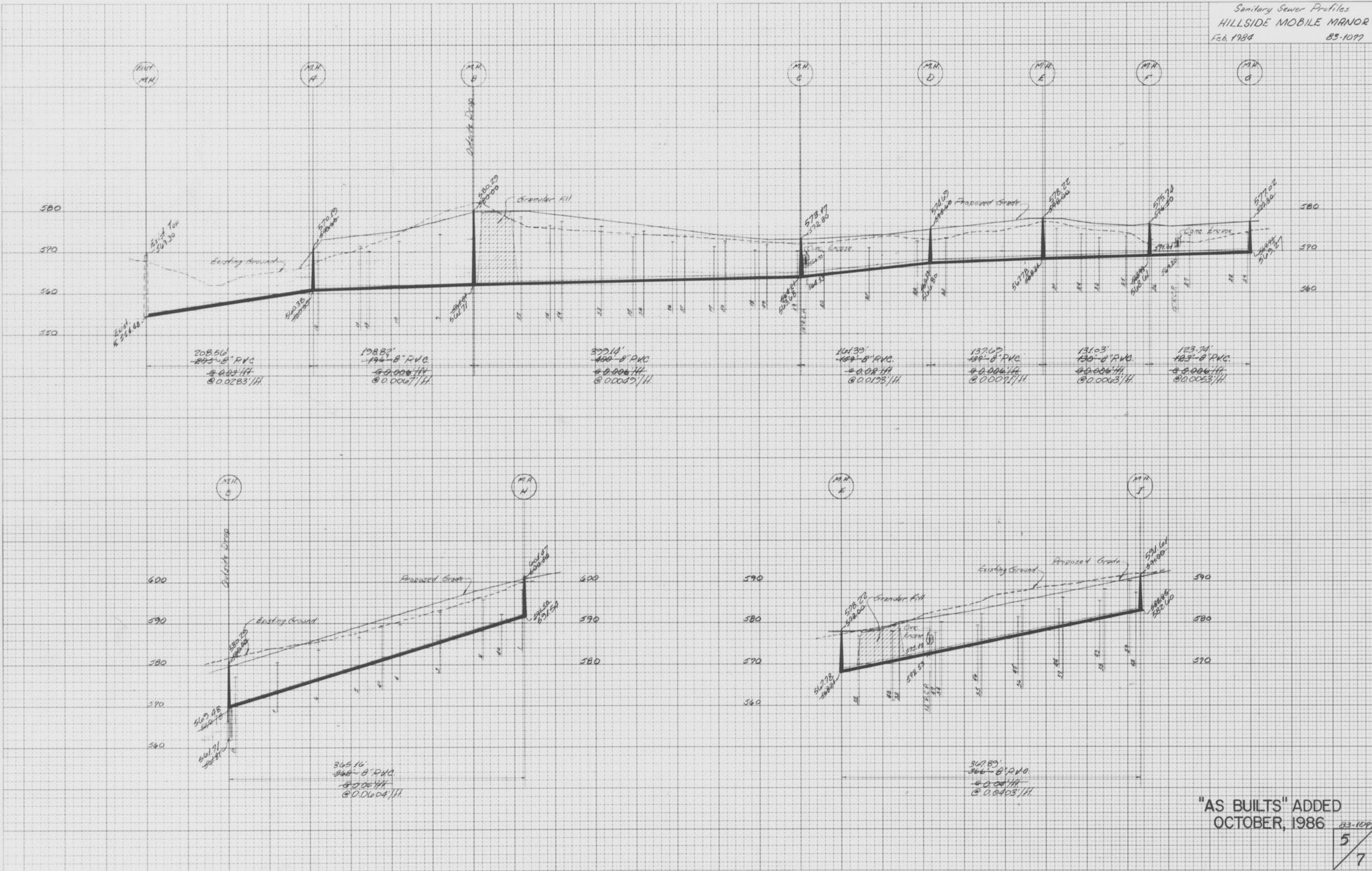
PROPERTY OF  
CITY OF O'FALLON  
BUILDING DEPARTMENT



"AS BUILT" ADDED  
 OCTOBER, 1986

FINAL SURVEY  
 DATE: 10/1/86

ORIGINAL SURVEY  
 DATE: 10/1/86



"AS BUILTS" ADDED  
 OCTOBER, 1986

5  
7