

# HIGHWAY "K" COMMERCIAL AREA

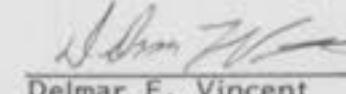
## SANITARY SEWER EXTENSION

A TRACT OF LAND BEING PART OF U.S. SURVEY 55,  
TOWNSHIP 47 NORTH, RANGE 3 EAST  
ST. CHARLES COUNTY, MISSOURI

### 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-76.
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 II) 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 98% of maximum density as determined by the "A.A.S.H.O. T-99 Standard Proctor Test" (ASTM D-698) unless otherwise specified by the local governing authority specifications. All tests will be verified by a soils engineer.
9. All earth-filled places within State, County, or City roads (highways) shall be compacted to 98% of maximum density as determined by the "Standard Proctor Test A.A.S.H.O. T-99" (ASTM D-698) unless otherwise specified by the 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 plot 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 "Marker on Uniform Traffic Control Devices," mounted on roadside poles, 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 stakes out of the sewer lines, all curb and grate nests will be face staked. If normal face stakes fall in line with sewer line construction, the Engineer will set these stakes on a double offset. It shall be the responsibility of the sewer contractor to preserve the 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 of 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.

This is to certify to THE CITY OF O'FALLON that these "As-Built" Sanitary Sewer plans are based on actual field surveys conducted during JUNE, 1995 and the results are shown here on.

by Pickett Ray & Silver  
  
Delmar F. Vincent  
MO R.L.S. No 1869  
8/3/95  
Date

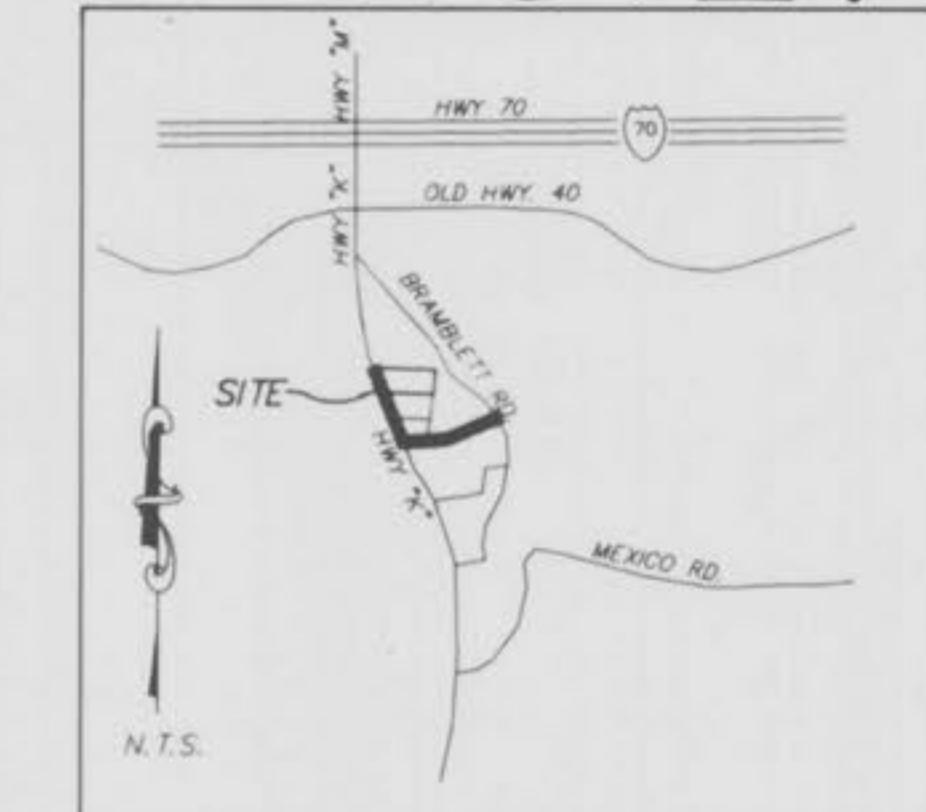
# PICKETT RAY & SILVER

Civil Engineers  
Planners  
Land Surveyors

333 Mid Rivers Mall Dr.  
St. Peters, MO 63376  
397-1211 FAX 397-1044

Celebrating 25 Years of Service

### LOCATION MAP "AS-BUILTS"



#### BENCH MARKS

BM #2-83 Highway plans for relocation of Highway "K" "□" square on concrete light standard base 97 feet right at Station 12+43 New Highway "K."

Elev. 574.04

TBM #3-83 80d Spike in base of power pole near northeast corner of Thoele Property at Bramblett Road.

Elev. 567.41

#### UTILITY COMPANIES

T.C.I. Cable Company  
4160 Old Mill Parkway  
St. Peters, Missouri 63376  
Attn: Mr. Rick Macios  
Phone: (314) 441-7737

G.T.E. Telephone Company  
1000 G.T.E. Drive  
Building "E"  
Wentzville, Missouri 63385  
Attn: Mr. Larry Norris  
Phone: (314) 639-3928

Union Electric Company  
200 Calhoun Road  
Wentzville, Missouri 63385  
Attn: Mr. Ralph Cronk  
Phone: (314) 327-6203

City of O'Fallon (Zoning) (Storm Sewer)(Water)  
138 South Main  
O'Fallon, Missouri 63366  
Phone: (314) 240-2000

Missouri State Highway Department (Entrance Permits)  
1590 Woodlawn Dr.  
Chesterfield, Missouri 63017  
Attn: Bill Angel  
Phone: (314) 340-4100

St. Charles Gas Corporation  
#1 Westbury Square  
Building "D"  
St. Charles, Missouri 63301  
Attn: Mr. Gene Bohne  
Phone: (314) 946-8937

Advanced Water Resources (Sanitary Sewer)  
205 East Elm Street  
Jefferson, MO 63360  
Attn: Greg Johnson  
Phone: (314) 281-2858

O'Fallon Fire Protection  
119 East Elm Street  
O'Fallon, Missouri 63366  
Attn: Chief David House  
Phone: (314) 272-3493

Proposed Contour

Grouted Rip-Rap

End of Lateral

Energy Dissipator

Manhole

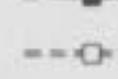
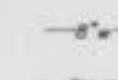
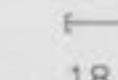
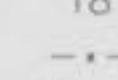
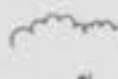
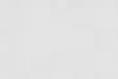
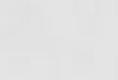
Concrete Pavement

Concrete Pipe

### DRAWING INDEX

Sheet	Description
1	COVER SHEET
2	PLAN AND PROFILE
3	PLAN AND PROFILE
4	PLAN AND PROFILE
5	SEWER DETAILS

### LEGEND

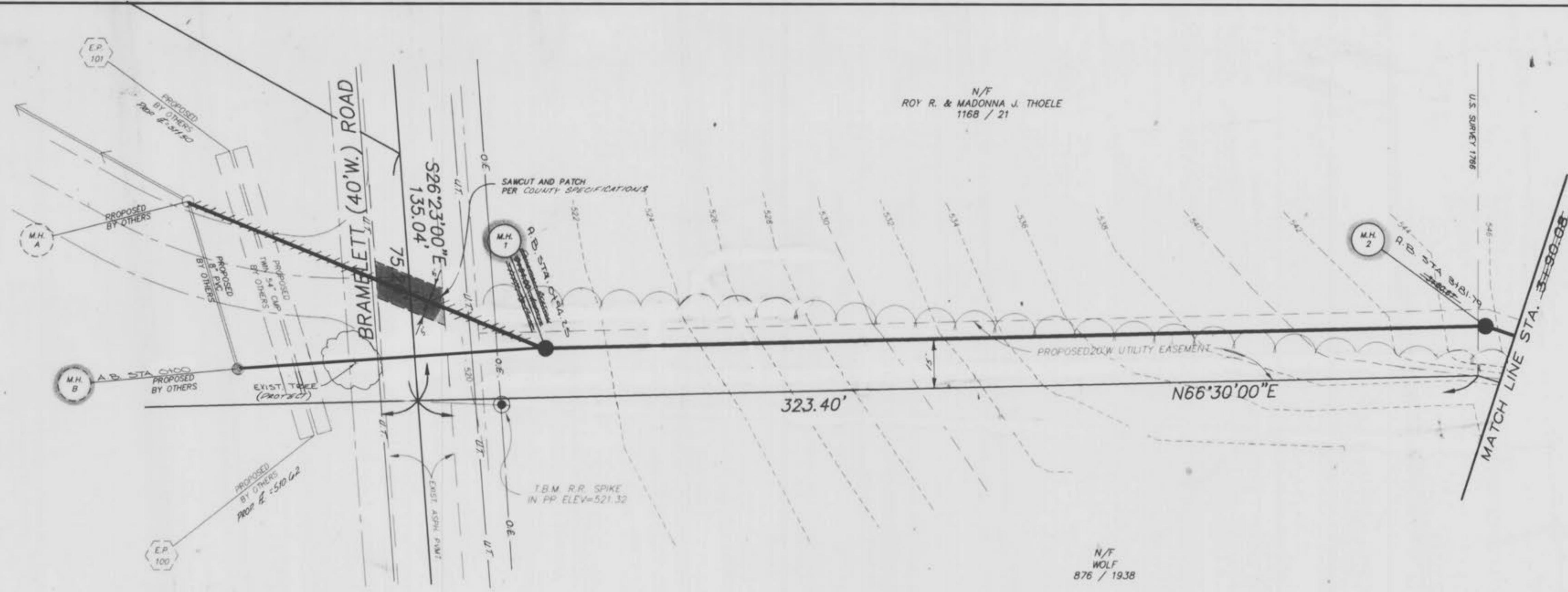
 Sanitary Sewer (Proposed)	R.C.P. Reinforced Concrete Pipe
 Sanitary Sewer (Existing)	C.M.P. Corrugated Metal Pipe
 Storm Sewer (Proposed)	C.I.P. Cast Iron Pipe
 Storm Sewer (Existing)	P.V.C. Polyvinyl Chloride
 Water Line & Size	V.C.P. Vitrified Clay Pipe
 Light Standard	
 Double Water Meter Setting	
 Single Water Meter Setting	C.O. Clean Out
 Curb Inlet	V.T. Vent Trap
 Skewed Curb Inlet	T.B.R. To Be Removed
 Existing Fence Line	T.B.R.R. To Be Removed & Relocated
 Grade Inlet	T.B.P. To Be Protected
 Area Inlet	T.B.A. To Be Abandoned
 Double Area Inlet	B.C. Base Of Curb
 Concrete Collar	T.C. Top Of Curb
 Flared End Section	T.W. Top Of Wall
 End Pipe	B.W. Base Of Wall
 Grouted Rip-Rap	(TYP) Typical
 Energy Dissipator	U.N.O. Unless Noted Otherwise
 Manhole	U.I.P. Use In Place

REV 4/14/95 A.B. MH.F.A.  
REV 1-25-95 PER CITY COMMENTS  
REV 12-21-94 PER CITY COMMENTS

DEVELOPER	
PREPARED FOR: THOELE OIL INC. 1703 N. FORTH STREET ST. CHARLES, MO 63301 (314) 774-1617	
CONTACT: MR. ROY THOELE	
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DRAWN R.D.W. DATE 11-16-94 CHECKED R.J.T. DATE 11-16-94	1
FIELD BOOK 376 PROJECT # 87-059 JOB ORDER # 32361	5

"AS-BUILTS" *Handwritten Signature* *As-Built*

11-00-94



**UTILITY NOTE:**

UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

NOTE: SHADED "BALLOONS"  
INDICATE "AS-BUILT" STRUCTURES.



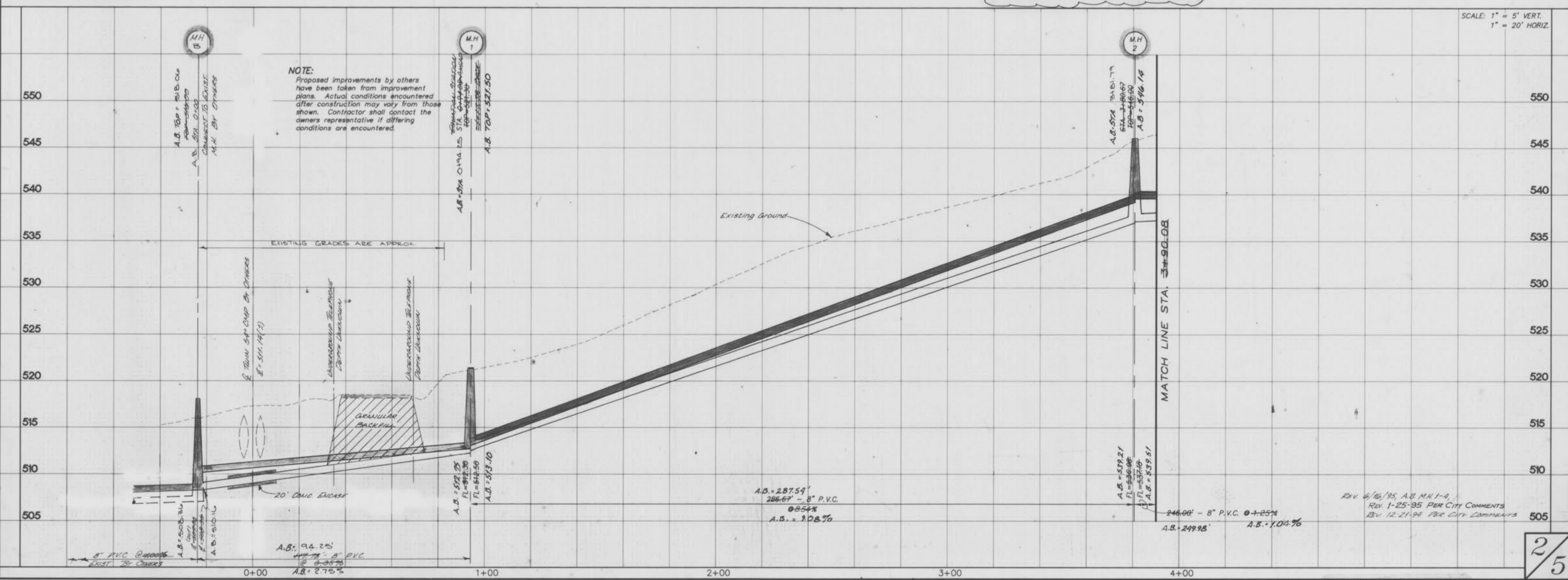
GRAPHIC SCALE

0      20      40

( IN FEET )

1 inch = 20 ft.

SCALE: 1" = 5' VERT.  
1" = 20' HORIZ.



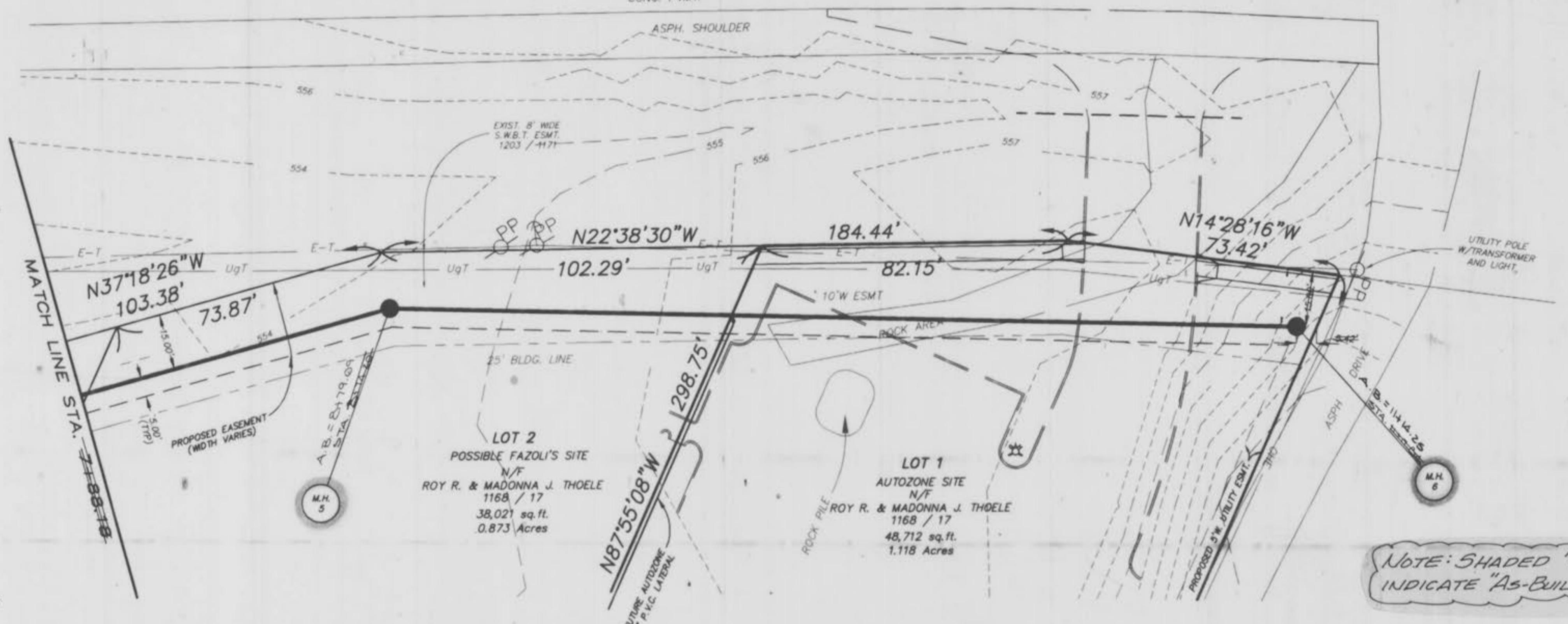
REV. 6/16/95, A.B.M.H.1-4,  
REV. 1-25-95 PER CITY COMMENTS  
REV. 12-21-99 PER CITY COMMENTS

2  
5



MISSOURI STATE HIGHWAY "K"  
(VARIABLE WIDTH)

CONC. PVMT.

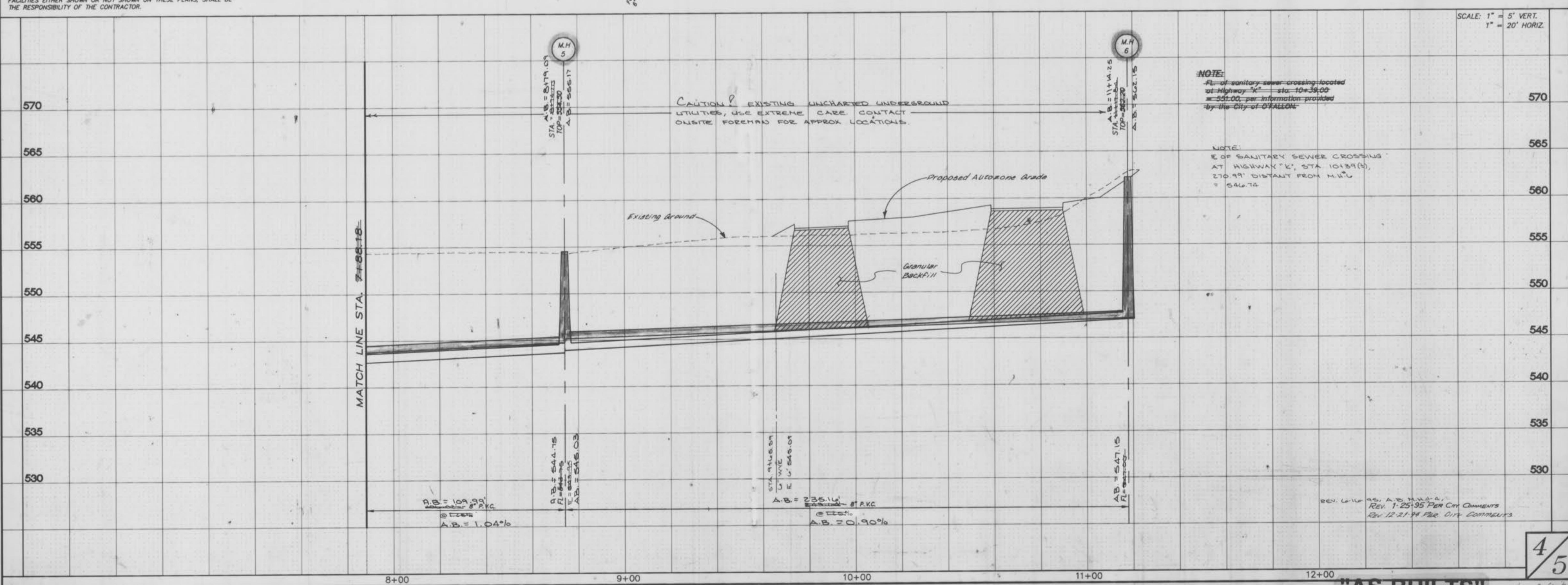


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GRAPHIC SCALE  
20 0 20 40  
(IN FEET)  
1 inch = 20 ft.

SCALE: 1" = 5' VERT.  
1" = 20' HORIZ.



REV. 1-25-95 PER CITY COMMENTS  
REV. 12-21-94 PER CITY COMMENTS

4  
5

"AS-BUILTS"

by E. Sambur  
as-built