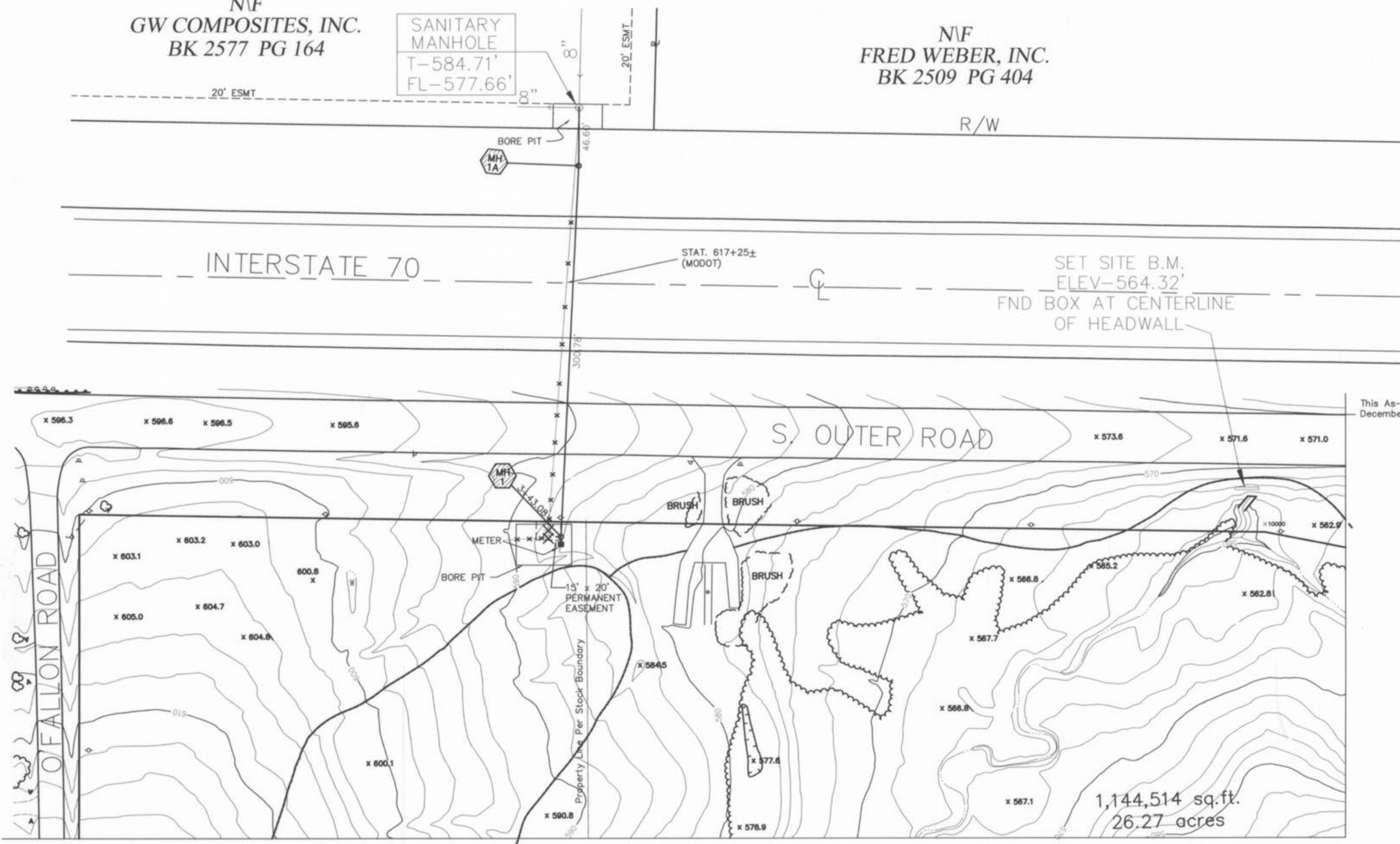
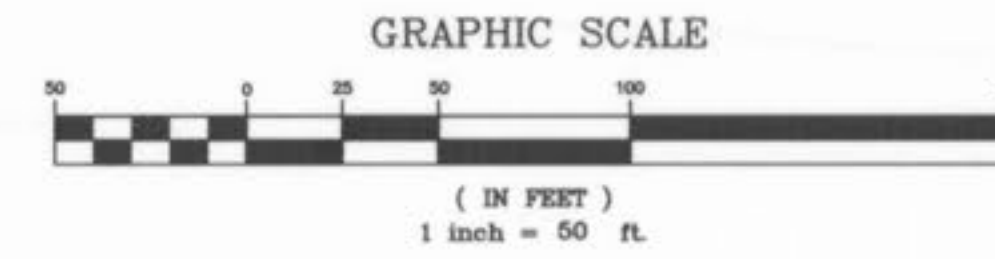


N/F
GW COMPOSITES, INC.
BK 2577 PG 164

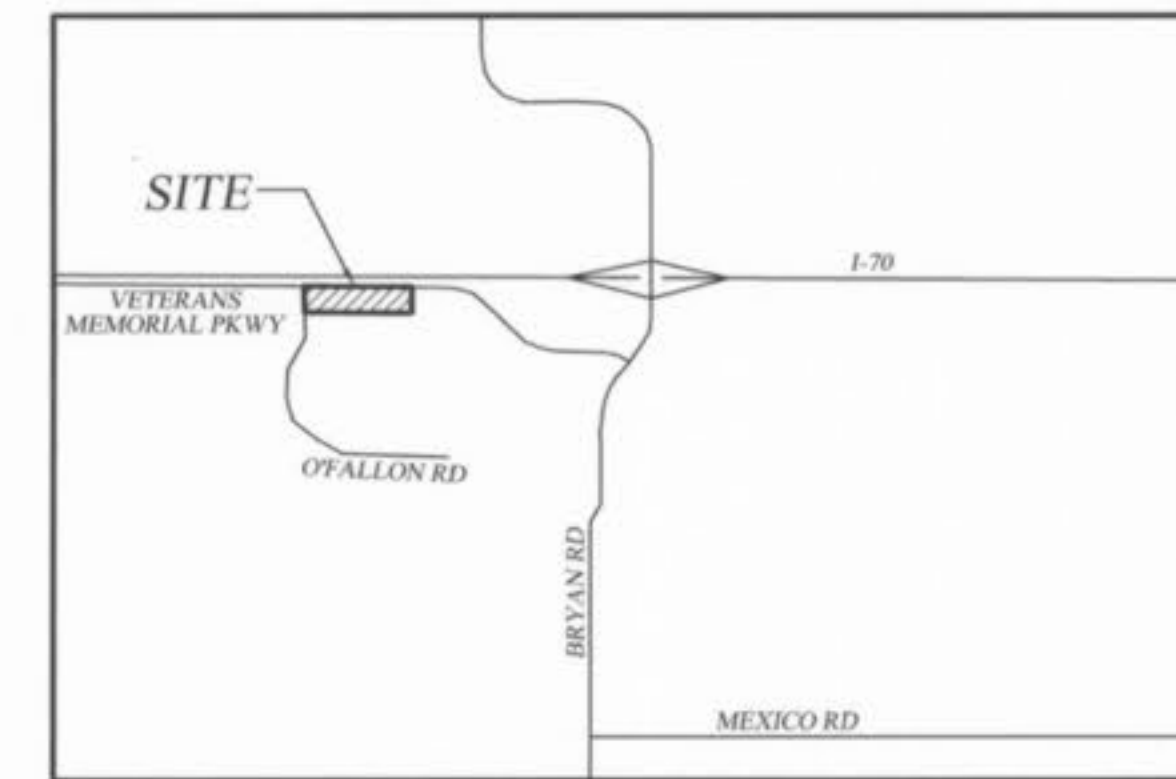
SANITARY
MANHOLE
T-584.71'
FL-577.66'

N/F
FRED WEBER, INC.
BK 2509 PG 404



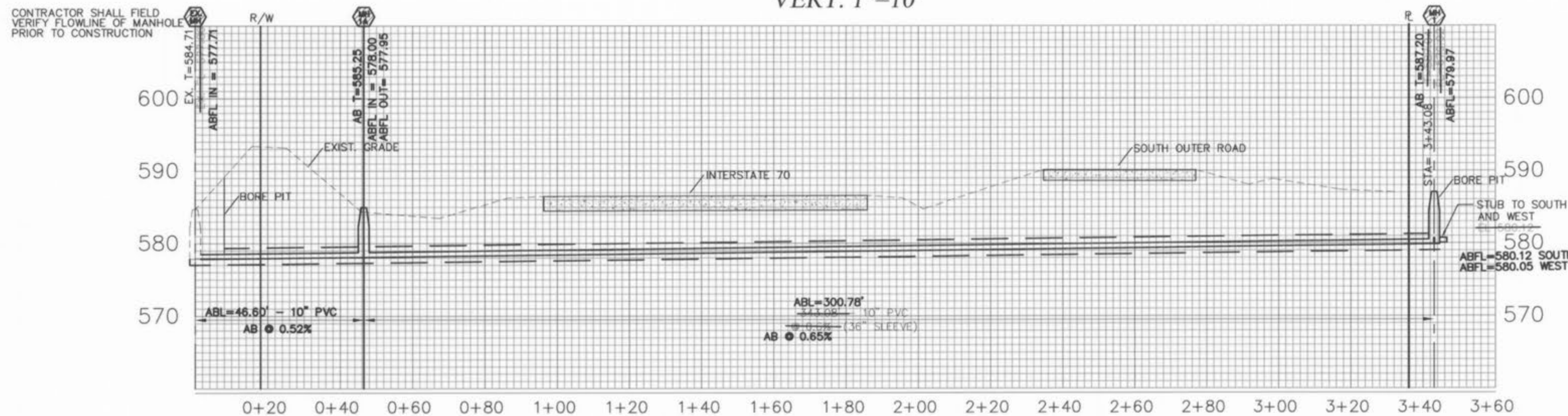
This As-Built Drawing is based on field measurements conducted during December 2004 and the results are shown hereon.

By: *James R. Chervek* 1-11-05
JAMES R. CHERVEK, P.L.S., #2211
STATE OF MISSOURI
PICKETT, RAY & SILVER'S CORPORATE
REGISTRATION NO. LS-54-D

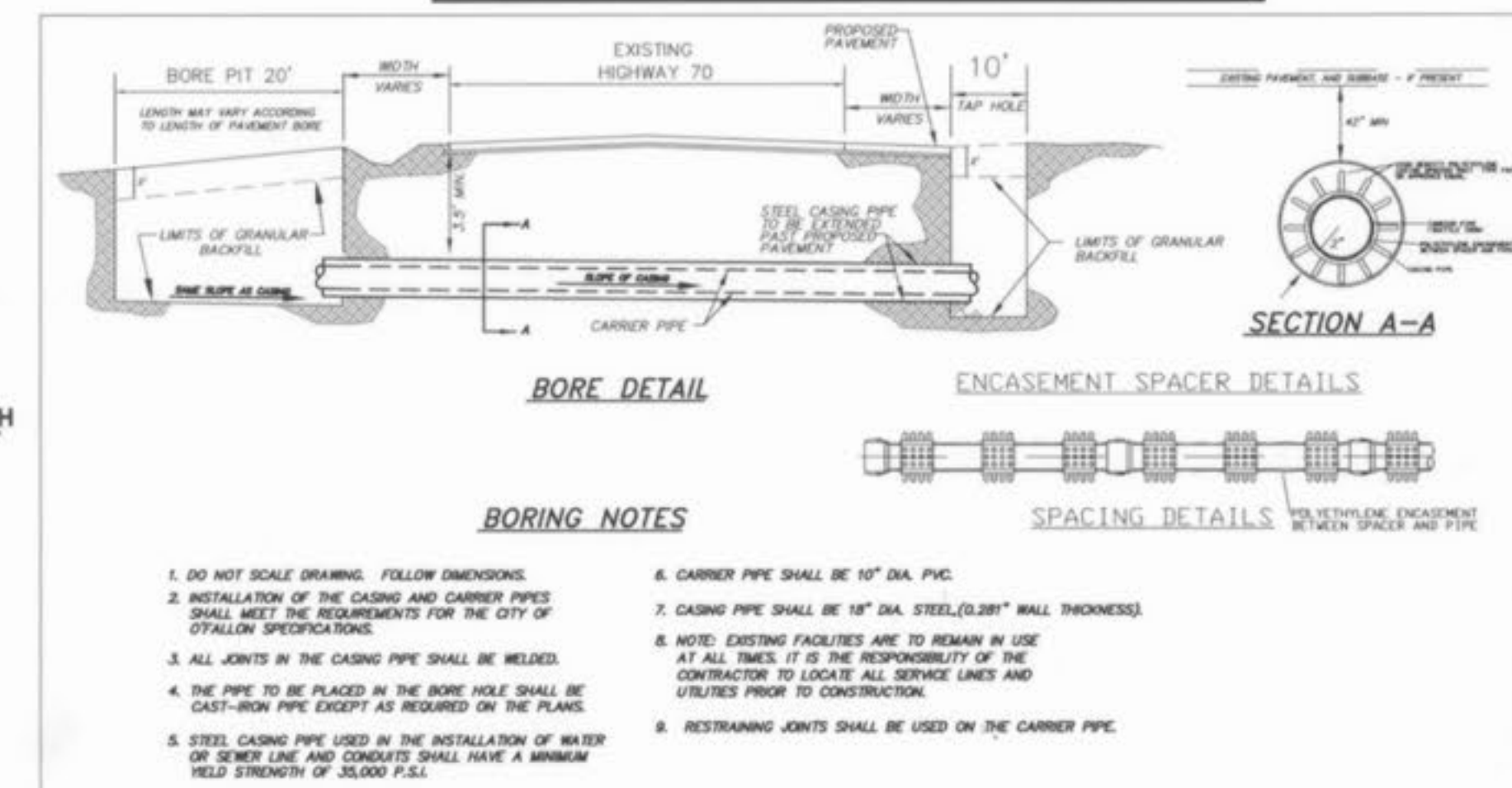


LOCATION MAP

CROSS SECTION @ STA. 617+25±
SCALE: HORIZ. 1"=20'
VERT. 1"=10'



ENCASEMENT SPACER DETAIL



PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS

DOUGLASS TRACT
PART OF U.S. SURVEY 1780
T47N, R2E ST. CHARLES CO. MO.
Prepared For:
DOUGLASS PROPERTIES

NO.	DATE	REVISIONS
1	10/15/01	"BORE PIT" - MISC
2	05/20/03	UN-PLANCE NOTE
3	06/24/03	BORE PIT REVISIONS / SLOPE
4	09/04/03	PER CITY OF OFALLON COMMENTS
5	10/28/03	CHANGED SLEEVE SIZE
6	12/17/03	PER CITY OF OFALLON COMMENTS
7	4/19/04	Per. MOST (M. Heston) - Bore to cell. cell. sh. shall
8	12/13/04	As-Built

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

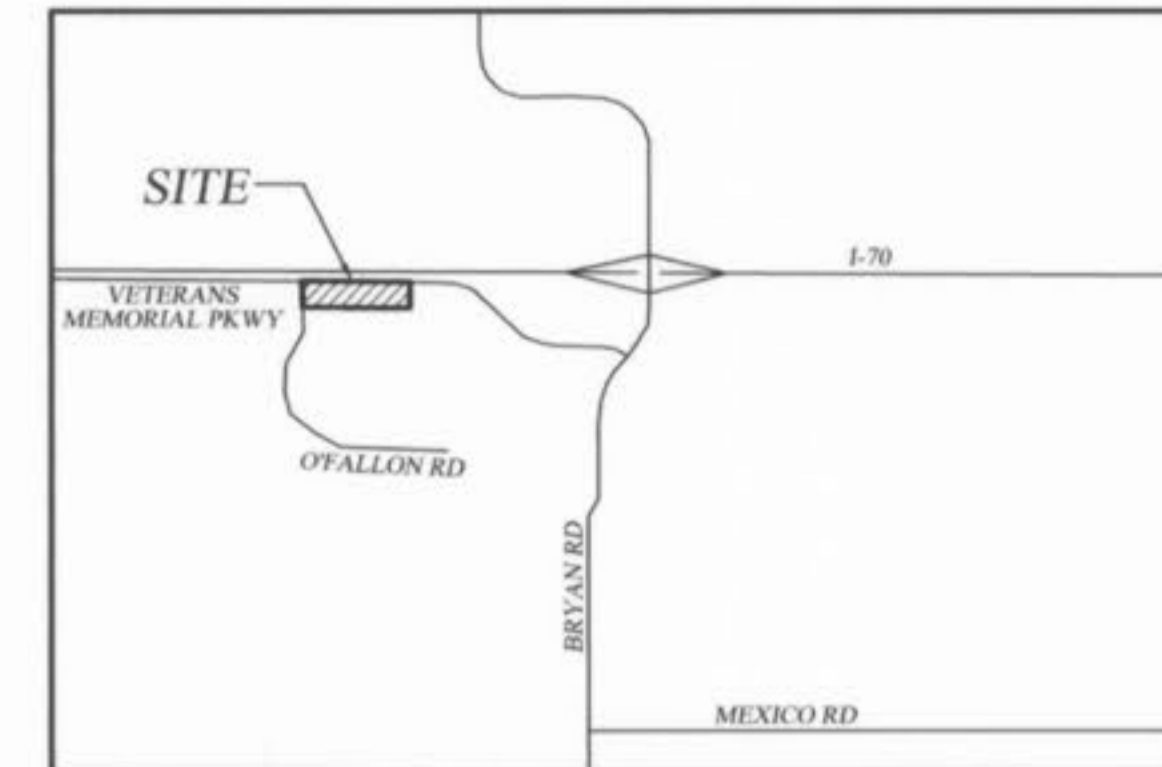
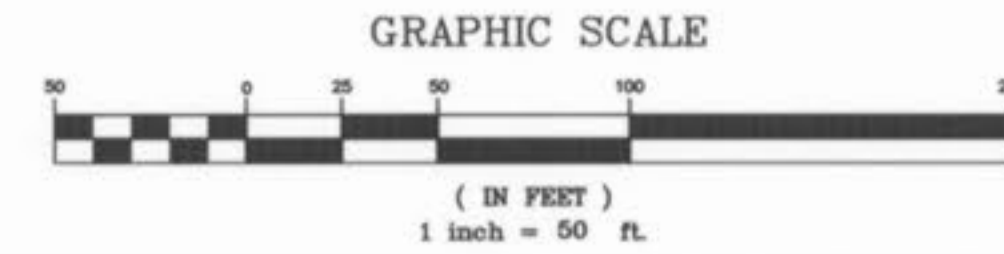
DRAWN	DATE
ABK	07-18-01
CHECKED	DATE
T.DIETZ	07-18-01
PROJECT # 010030ADO.DOR	
TASK # X	FIELD BOOK X

DOUGLASS TRACT
SANITARY SEWER BORE
SHEET 1 OF 1

NF
GW COMPOSITES, INC.
BK 2577 PG 164

SANITARY
MANHOLE
T-584.71'
FL-577.66'

NF
FRED WEBER, INC.
BK 2509 PG 404

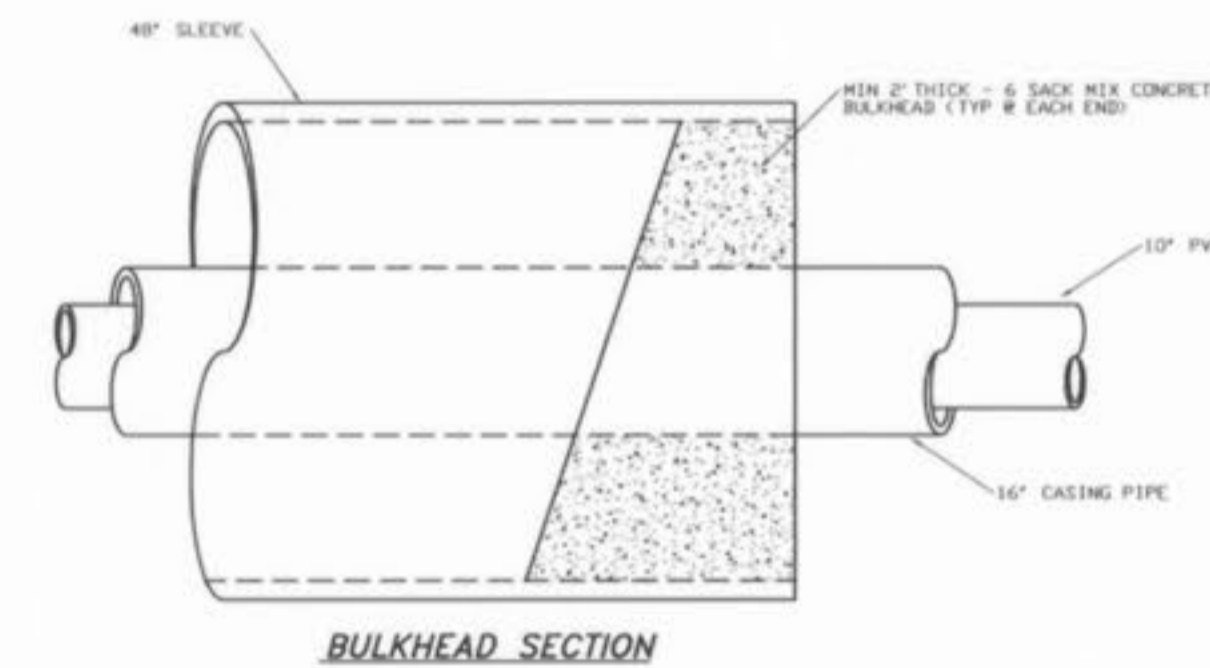


LOCATION MAP

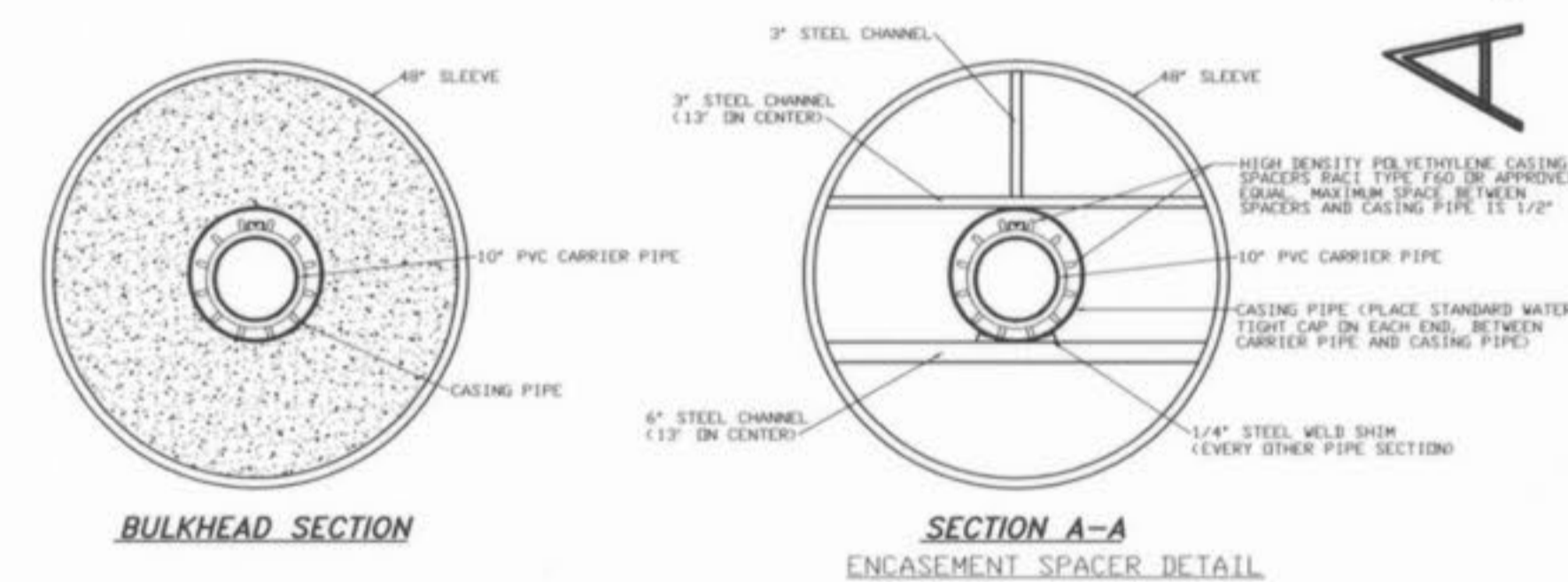
This As-Built Drawing is based on field measurements conducted during Dec. 2004 & Aug. 2005 and the results are shown hereon.

By: *James R. Chervek* 8-30-05
JAMES R. CHERVEK, P.L.S., #2211
STATE OF MISSOURI

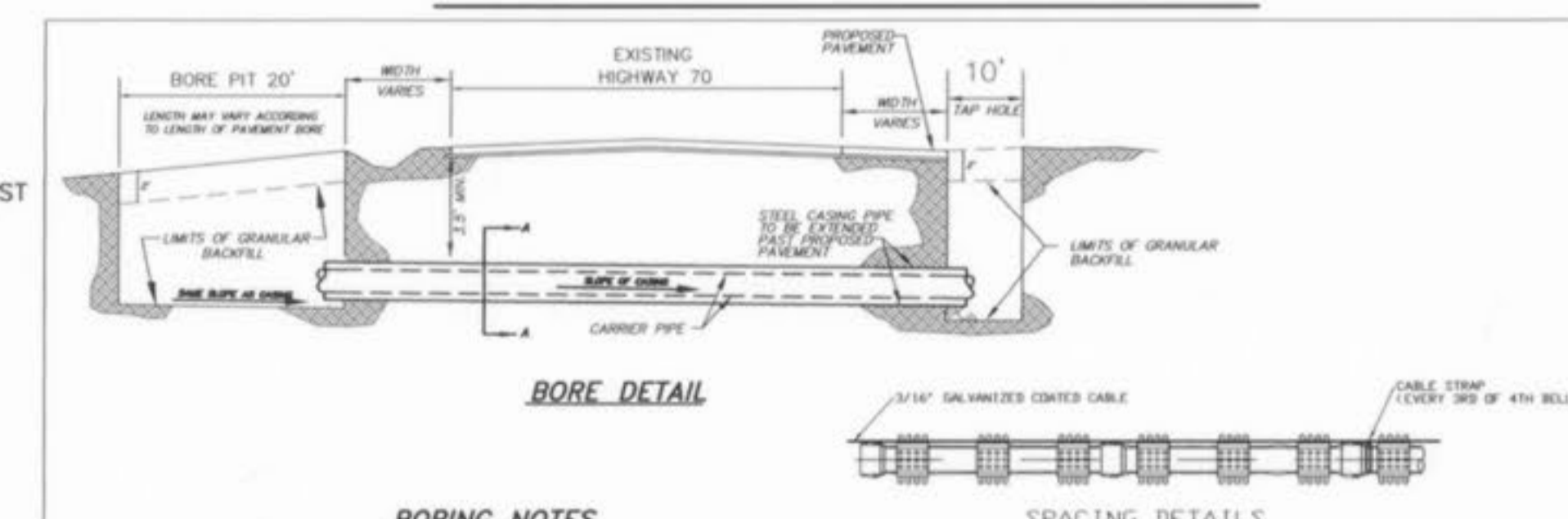
PICKETT, RAY & SILVER'S CORPORATE
REGISTRATION NO. LS-54-D



BULKHEAD SECTION

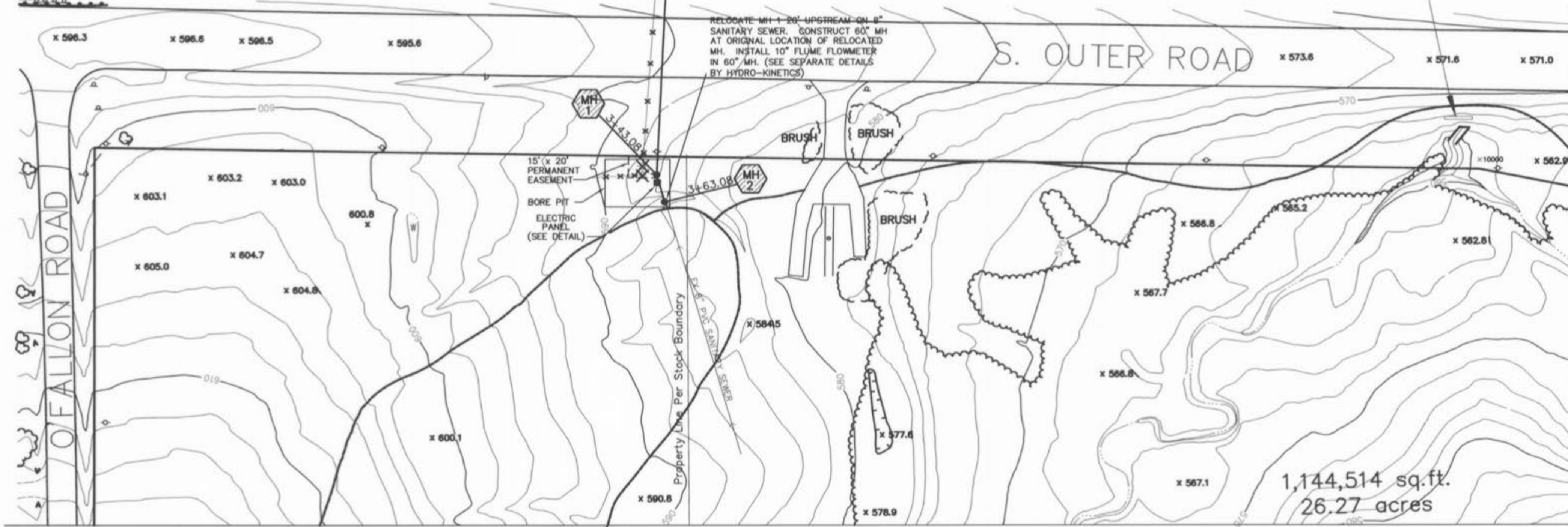


ENCASEMENT SPACER DETAIL



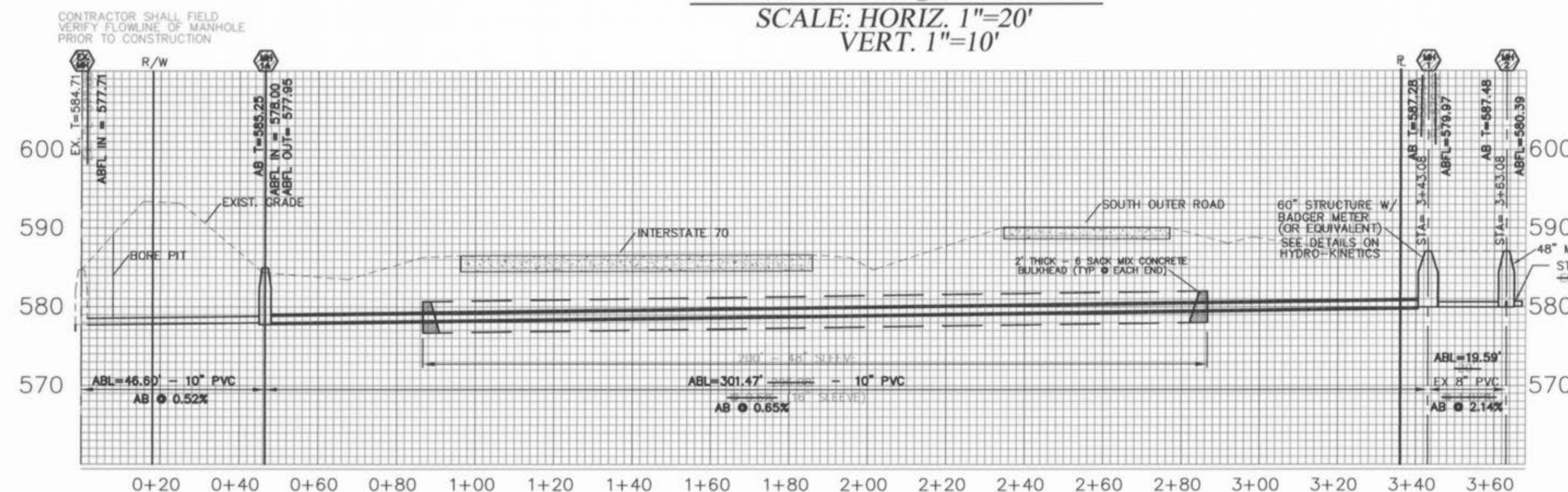
BORING DETAIL

- BORING NOTES**
- DO NOT SCALE DRAWING. FOLLOW DIMENSIONS.
 - INSTALLATION OF THE CASING AND CARRIER PIPES SHALL MEET THE REQUIREMENTS FOR THE CITY OF OFALLON SPECIFICATIONS.
 - ALL JOINTS IN THE CASING PIPE SHALL BE WELDED.
 - THE PIPE TO BE PLACED IN THE BORE HOLE SHALL BE CAST-IRON PIPE EXCEPT AS REQUIRED ON THE PLANS.
 - STEEL CASING PIPE USED IN THE INSTALLATION OF WATER OR SEWER LINE AND CONCRETE SHALL HAVE A MINIMUM YIELD STRENGTH OF 30,000 P.S.I.
 - CARRIER PIPE SHALL BE 10" DIA. PVC.
 - CASING PIPE SHALL BE 16" DIA. STEEL, 0.281" WALL THICKNESS.
 - NOTE: EXISTING FACILITIES ARE TO REMAIN IN USE AT ALL TIMES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SERVICE LINES AND UTILITIES PRIOR TO CONSTRUCTION.
 - RESTRAINING JOINTS SHALL BE USED ON THE CARRIER PIPE.



1,144,514 sq. ft.
26.27 acres

CROSS SECTION @ STA. 617+25±
SCALE: HORIZ. 1"=20'
VERT. 1"=10'



PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS
333 Mid Rivers Mill Drive
St. Peters, MO 63376
Phone (636) 397-1211
Fax (636) 397-1104

DOUGLASS TRACT
PART OF U.S. SURVEY 1780
T47N, R2E ST. CHARLES CO. MO.
Prepared For:
DOUGLASS PROPERTIES

REVISIONS	NO.	DATE	BORE PIT REVISIONS / SLOPE
1	3	06/24/03	BORE PIT REVISIONS / SLOPE
2	4	09/04/03	PER CITY OF OFALLON COMMENTS
3	5	10/28/03	CHANGED SLEEVE SIZE
4	6	12/17/03	PER CITY OF OFALLON COMMENTS
5	7	4/19/04	PER MOISTURE ANALYSIS, REVISION TO SLOPE
6	8	12/13/04	REVISION PER CITY OF OFALLON
7	9	2/11/05	REVISION PER CITY OF OFALLON
8	10	2/19/05	REVISION PER CITY OF OFALLON
9	11	2/24/05	REVISION PER CITY OF OFALLON
10	12	4/15/05	ADDED FLOWMETER STRUCTURE

ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.
PICKETT, RAY & SILVER, INC

DRAWN: ABK DATE: 07-18-01
CHECKED: T. DIETZ DATE: 07-18-01
PROJECT # 010030ADD.00R
TASK # X FIELD 962 BOOK

DOUGLASS TRACT
SANITARY SEWER BORE
SHEET 1 OF 1
© Copyright 2001 by Pickett, Ray & Silver Inc.

AS-BUILTS 8/31/05