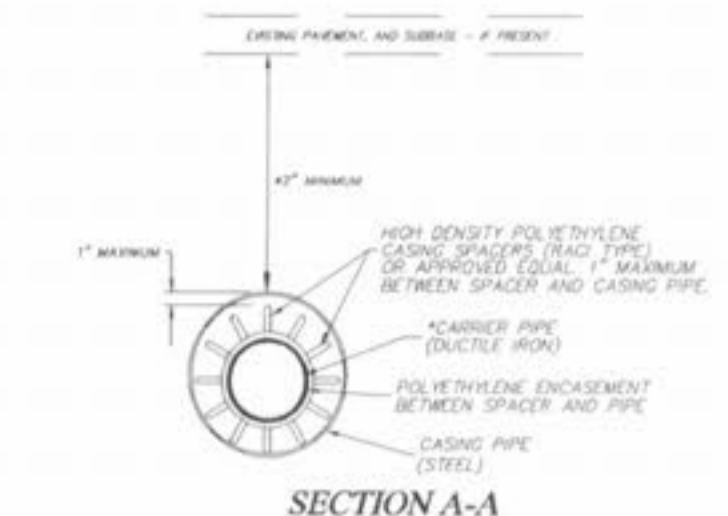


**BORE DETAIL**

**BORING NOTES**

- DO NOT SCALE DRAWING. FOLLOW DIMENSIONS.
- INSTALLATION OF THE CASING AND CARRIER PIPES SHALL MEET THE REQUIREMENTS FOR THE CITY OF FALLON 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 SERVICE LINE AND CONDUITS SHALL HAVE A MINIMUM YIELD STRENGTH OF 33,000 P.S.I.
- CARRIER PIPE SHALL BE 12" DIA. D.I.P.
- CASING PIPE SHALL BE 20" DIA. STEEL, (0.25" WALL THICKNESS).
- 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.
- DESIGNER SHALL SUBMIT CARRIER PIPE AND CASING PIPE SIZE AND COMBINATION FOR REVIEW AND APPROVAL.

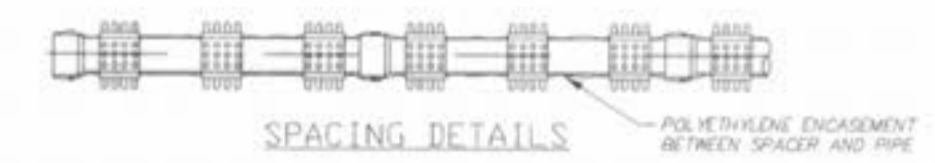
CASING PIPE DIA. (INCHES)	WALL THICKNESS (INCHES)
18.25, 22	0.250
24.38	0.281
28.30, 32.34	0.312
36.38, 40.48	0.344



**SECTION A-A**

**ENCASUREMENT SPACER DETAILS**

\* NOTE: CASING PIPE MUST BE LARGE ENOUGH TO ACCOMMODATE FLANGE SIZE OF DUCTILE IRON PIPE.



**SPACING DETAILS**

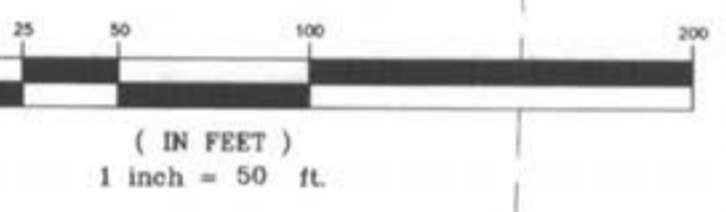
**NOTE:**  
 WATER LINE AS CONSTRUCTED TO BE CENTERED IN 10' W. EASEMENT  
 ALL 45° & 22.5° PVC FITTINGS SHALL BE RESTRAINED WITH EBAA IRON INC. SERIES 2500 RESTRAINTS OR APPROVED EQUAL.  
 ALL PVC JOINTS WITHIN 10' OF THE 22.5° HORIZONTAL BENDS SHALL BE RESTRAINED WITH EBAA IRON INC. SERIES 1500 OR SERIES 1600 BELL RESTRAINT HARNESS OR APPROVED EQUAL.  
 ALL PVC JOINTS WITHIN 21' OF THE 45° HORIZONTAL BENDS SHALL BE RESTRAINED WITH EBAA IRON INC. SERIES 1500 OR SERIES 1600 BELL RESTRAINT HARNESS OR APPROVED EQUAL.  
 ALL DIP JOINTS WITHIN 16' OF THE 45° HORIZONTAL BENDS SHALL BE RESTRAINED WITH EBAA IRON INC. SERIES 1700 MEGALUG RESTRAINT HARNESS OR APPROVED EQUAL.

SEE SHEET 58A

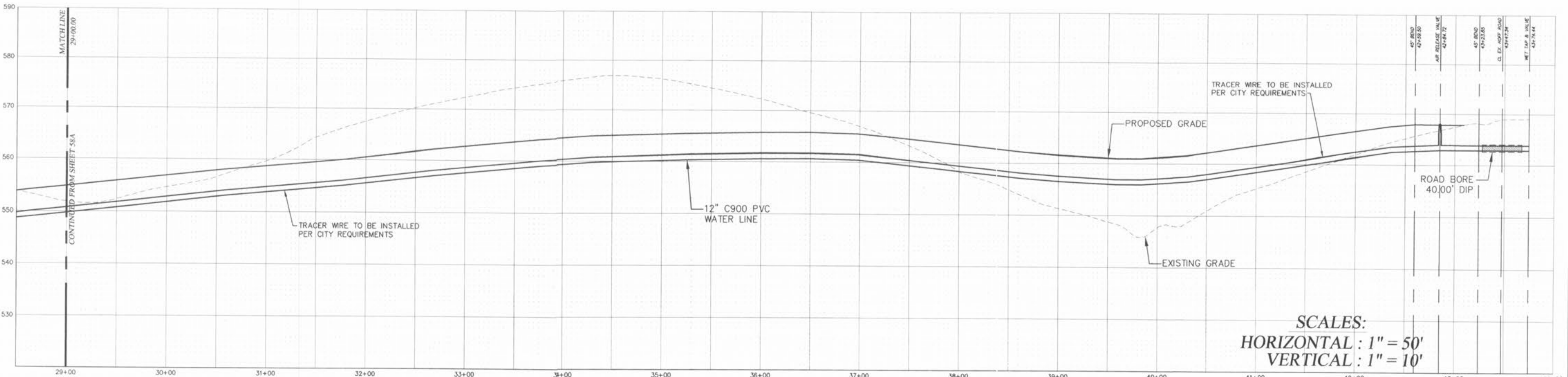
**HOFF INDUSTRIAL DRIVE**  
 (100' WIDE / PUBLIC)

ROAD BORE  
 SEE DETAIL ABOVE

**GRAPHIC SCALE**



**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.



**SCALES:**  
 HORIZONTAL : 1" = 50'  
 VERTICAL : 1" = 10'

P & Z NO. 2603.01

**PICKETT RAY & SILVER**  
 CIVIL ENGINEERS  
 PLANNERS  
 LAND SURVEYORS

333 Mid Rivers Mall Drive  
 St. Peters, MO 63376  
 Phone (636) 397-1211  
 Fax (636) 397-1104

**BROOKSIDE VILLAGE A**  
 OFF-SITE WATER PLANS

Prepared For:  
**SUMMIT POINTE L.C.**

239 FOX HILL ROAD  
 ST. CHARLES, MO. 63301  
 (636) 946-0000

REVISIONS NO.	DATE	REV. PER CITY COMMENTS
3	8/11/05	REV. PER CITY COMMENTS 7/26/05
6	9/19/05	REV. PER CITY COMMENTS 9/12/05
7	11/04/05	REV. OFF-SITE WATER PER CLIENT
10	12/22/05	REV. OFF-SITE WATER PER CITY

**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.**  
 STATE OF MISSOURI  
 REGISTERED PROFESSIONAL ENGINEER  
 ELMER ANDERSON  
 NUMBER: E-16146  
 12/23/05

<b>DRAWN</b>	R.D.W.	<b>DATE</b>	02/15/05
<b>CHECKED</b>	D.W.D.	<b>DATE</b>	02/15/05
<b>PROJECT #</b>	03029.SUPO.01R		
<b>TASK #</b>	002	<b>FIELD BOOK</b>	847