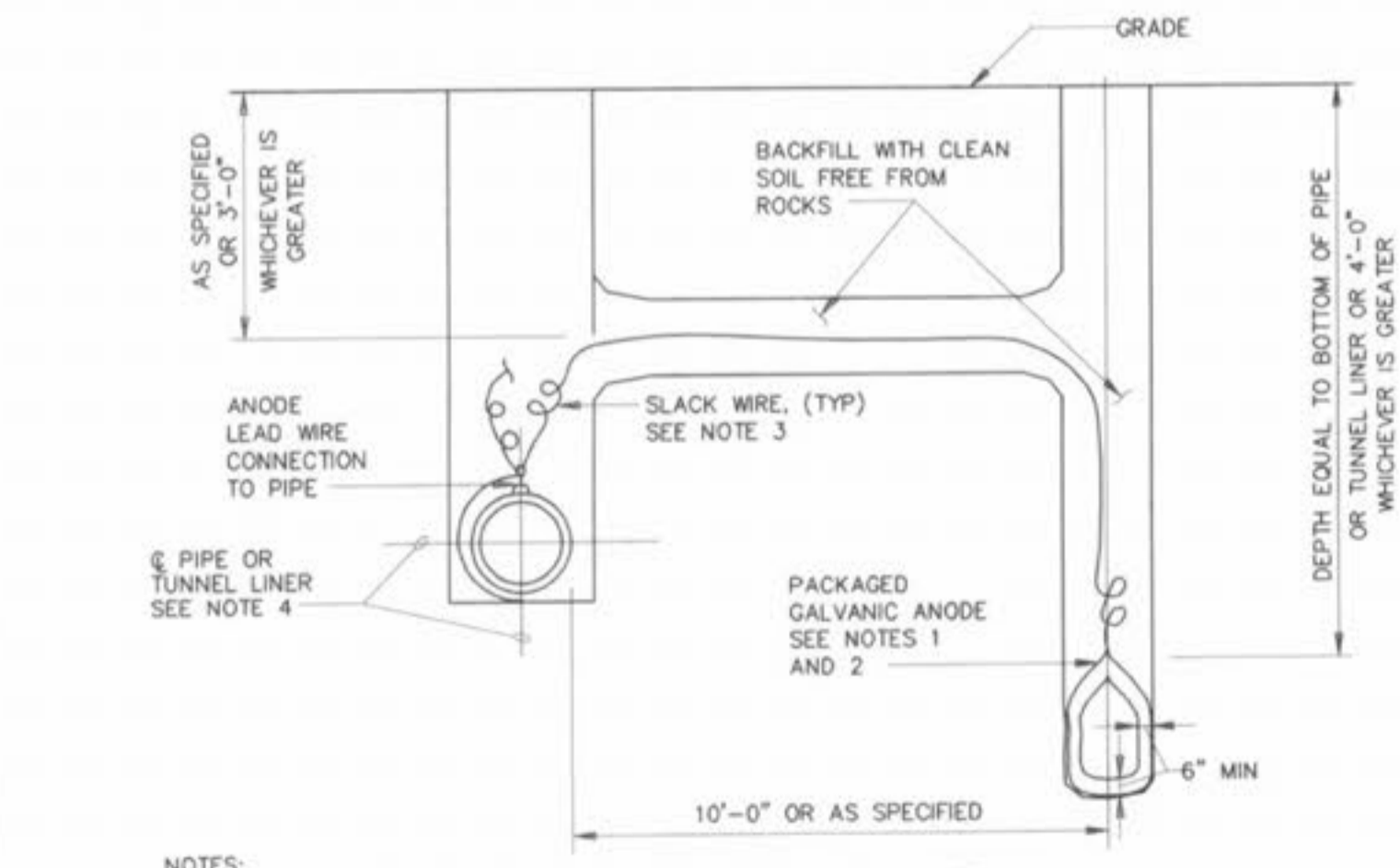


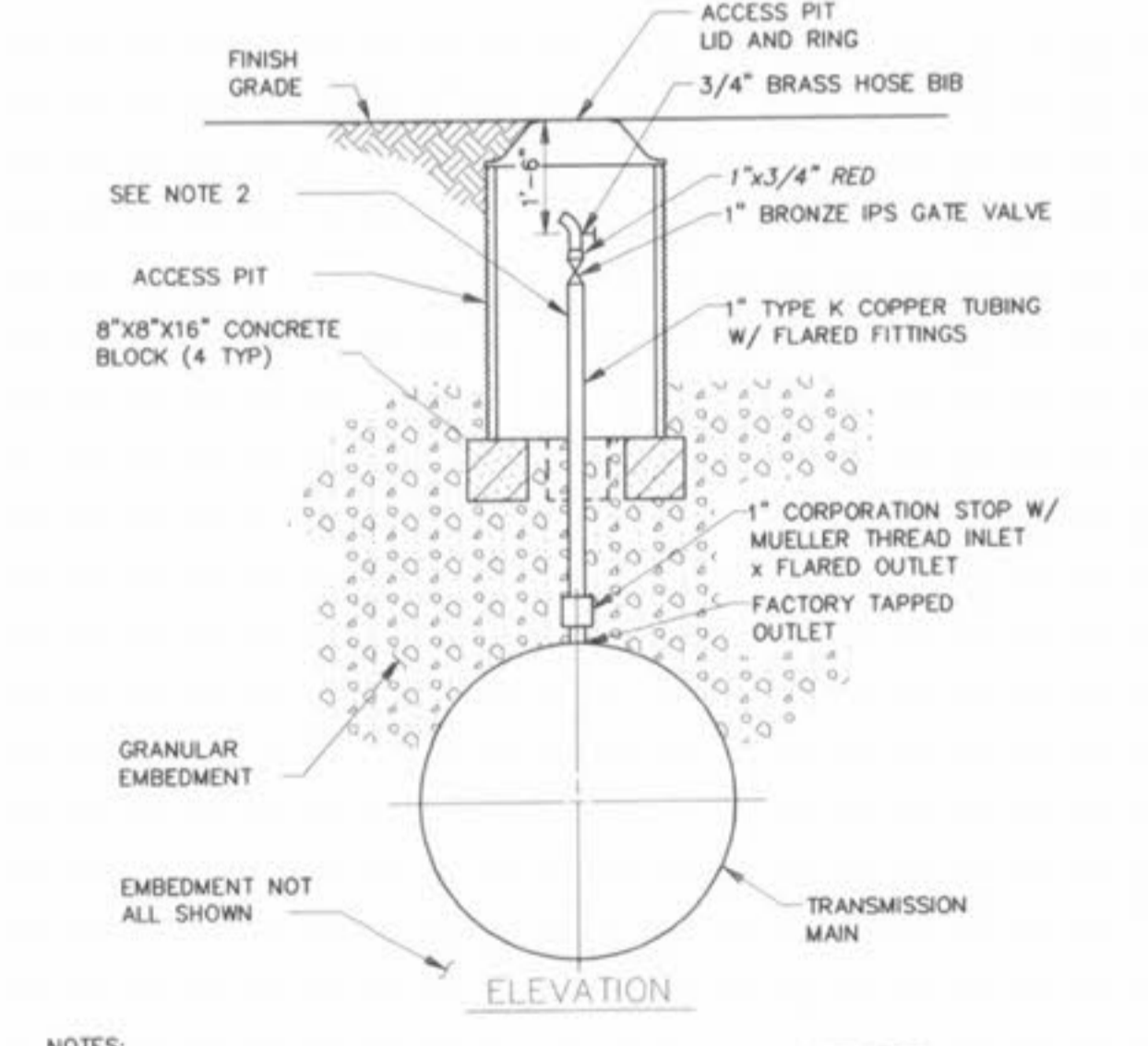
- NOTES:
- CONTRACTOR TO OBTAIN RIGHT-OF-WAY CONSTRUCTION UTILITY PERMIT FROM THE JOHNSON COUNTY KANSAS PUBLIC WORKS DEPARTMENT AND NOTIFY THEM FOR INSPECTION PRIOR TO ANY REPAIRS. SEE APPENDIX C OF THE SPECIFICATIONS FOR COPY OF UTILITY PERMIT FORM.
  - ACTUAL TRENCH SIDESLOPE TO BE DETERMINED BY CONTRACTOR IN ACCORDANCE WITH OSHA STANDARDS.
  - SEE PLAN SHEETS FOR LOCATION OF TRANSMISSION MAIN WITHIN STREET AND ROADWAYS.
  - THE DIMENSION OF THE GRANULAR EMBEDMENT ABOVE THE TOP OF THE TRANSMISSION MAIN SHALL BE 1/8 TIMES COVER, 6" MIN.
  - ASPHALTIC CONG BASE COURSE OR CONG CAP AS REQUIRED BY APPLICABLE CITY OR COUNTY.

STREET TRENCHING DETAIL AND CROSSING SECTION  
NO SCALE



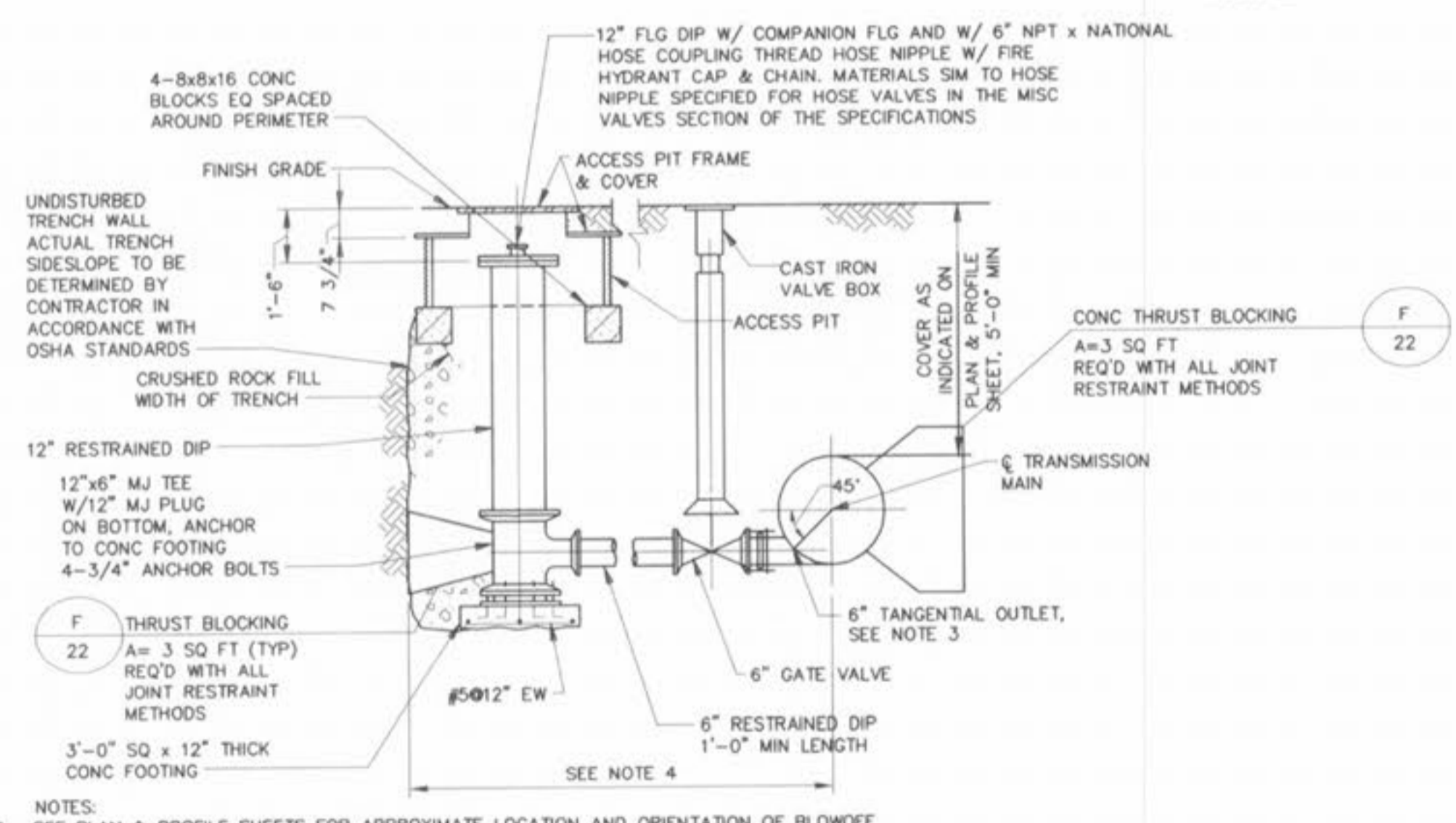
- NOTES:
- ANODE SHALL BE LOWERED INTO HOLES WITH A ROPE. ANODE SHALL NOT BE SUSPENDED BY THE LEAD WIRE.
  - AT LEAST 5 GALLONS OF WATER SHALL BE POURED OVER THE ANODE BEFORE BACKFILLING.
  - ALL LEAD WIRES SHALL BE INSTALLED WITH A MINIMUM OF 18 INCHES OF SLACK IN EACH PLACE INDICATED TO PREVENT BREAKAGE OF WIRE DUE TO BACKFILL SETTLEMENT.
  - A SACRIFICIAL ANODE IS TO BE INSTALLED AT EACH END OF TUNNEL LINER. WHEN THE TRANS MAIN IS PCCP, AN ANODE IS ALSO TO BE INSTALLED ON THE PCCP AT EACH END OF THE TUNNEL LINER.

ANODE INSTALLATION FOR STEEL PIPE ADAPTERS FOR PCCP ALTERNATIVE AND FOR TUNNEL LINERS  
NO SCALE



- NOTES:
- SEE PLAN AND PROFILE SHEETS FOR LOCATIONS OF MANUAL AIR RELEASE VALVE ASSEMBLIES. WHERE THE TRANSMISSION MAIN IS UNDER PAVEMENT, MANUAL AIR RELEASE VALVE ASSEMBLY IS TO BE INSTALLED REMOTE FROM TRANSMISSION MAIN AS DETERMINED IN THE FIELD BY THE ENGINEER BASED UPON THE CONDITIONS ENCOUNTERED.
  - EXPOSED PIPING, FITTINGS, AND VALVES IN ACCESS PIT TO BE WRAPPED WITH 1" THICK INSULATION.

MANUAL AIR RELEASE VALVE ASSEMBLY  
NO SCALE



- NOTES:
- SEE PLAN & PROFILE SHEETS FOR APPROXIMATE LOCATION AND ORIENTATION OF BLOWOFF FACILITY. PRECISE LOCATION OF OUTLET, RISER PIPE, AND ACCESS PIT IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER BASED UPON THE CONDITIONS ENCOUNTERED.
  - ALL JOINTS TO BE RESTRAINED.
  - AT THE OPTION OF THE CONTRACTOR, THE VALVE CONNECTION TO THE TANGENTIAL OUTLET MAY BE MADE BY ONE OF THE FOLLOWING METHODS: A) A TYTON JOINT GATE VALVE AND FIELD LOCK RESTRAINED PUSH-ON JOINT, B) A M.J. GATE VALVE AND GRIP RING PIPE RESTRAINER BY ROMAC INDUSTRIES, INC., C) A M.J. GATE VALVE AND A PLAIN END OUTLET WITH A WELDED GLAND AND ANCHORED COUPLING.
  - SEE PLAN FOR MAXIMUM DISTANCE FROM TRANSMISSION MAIN TO PERMANENT EASEMENT. IF BLOWOFF FACILITY CANNOT BE INSTALLED WITHIN THE MAXIMUM DISTANCE, ADD A 90° BEND AFTER THE VALVE AND INSTALL 6" PIPING PARALLEL TO THE TRANSMISSION MAIN.

BLOWOFF FACILITY  
NO SCALE

**PICKETT RAY & SILVER**

333 Mid Rivers Mall Drive  
St. Peters, MO 65376  
Phone (636) 397-1211  
Fax (636) 397-1104

CIVIL ENGINEERS  
PLANNERS  
LAND SURVEYORS

WELLINGTON PARK  
CONSTRUCTION DETAILS

Prepared For:  
**THE JONES COMPANY**  
Building Heroes Since 1927  
a CENTEX Company

16440 CHESTERFIELD GROVE BLVD  
CHESTERFIELD, MO 63005  
(314) 335-7587

REVISIONS	DATE

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	E.J.S.	DATE	03-04-03
CHECKED		DATE	
PROJECT #	02077.JCCH.00R	TASK #	6
FIELD	1997B	BOOK	821

WELLINGTON PARK  
CONSTRUCTION DETAILS

SHEET 22 OF 23

© Copyright 2003 by Pickett, Ray & Silver Inc.