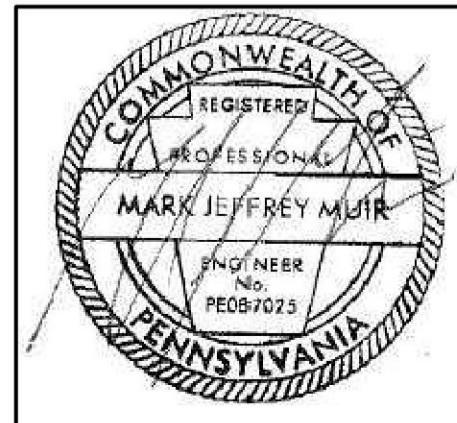


**GENERAL NOTES**

1. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF CARLOAD EXPRESS PIPELINE SPECIFICATIONS.
2. PIPE LINE AND CROSSING TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LAST APPROVED AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION SPECIFICATIONS FOR PIPELINES CONVEYING FLAMMABLE AND NON-FLAMMABLE SUBSTANCES.
3. BLASTING NOT PERMITTED
4. VENTS TO BE INSTALLED A MINIMUM OF 4 FT ABOVE GROUND.
5. NO WORK IS ALLOWED WITHIN 25 FT OF THE NEAREST TRACK UNLESS PROTECTED BY A RAILROAD FLAGMAN. WHEN TRAINS APPROACH THE WORK SITE, ALL ACTIVITY WITHIN 50 FEET OF THE TRACK SHALL STOP UNTIL THE ENTIRE LENGTH OF THE TRAIN HAS PASSED THE WORK SITE.

PLAN  
1"=20'

**A-2022-3036803**  
**CERTIFIED CORRECT PLANS**  
 Approved by Bureau of Technical Utility Services  
**PA PUBLIC UTILITY COMMISSION**  
 ATTEST Secretary



PRELIMINARY

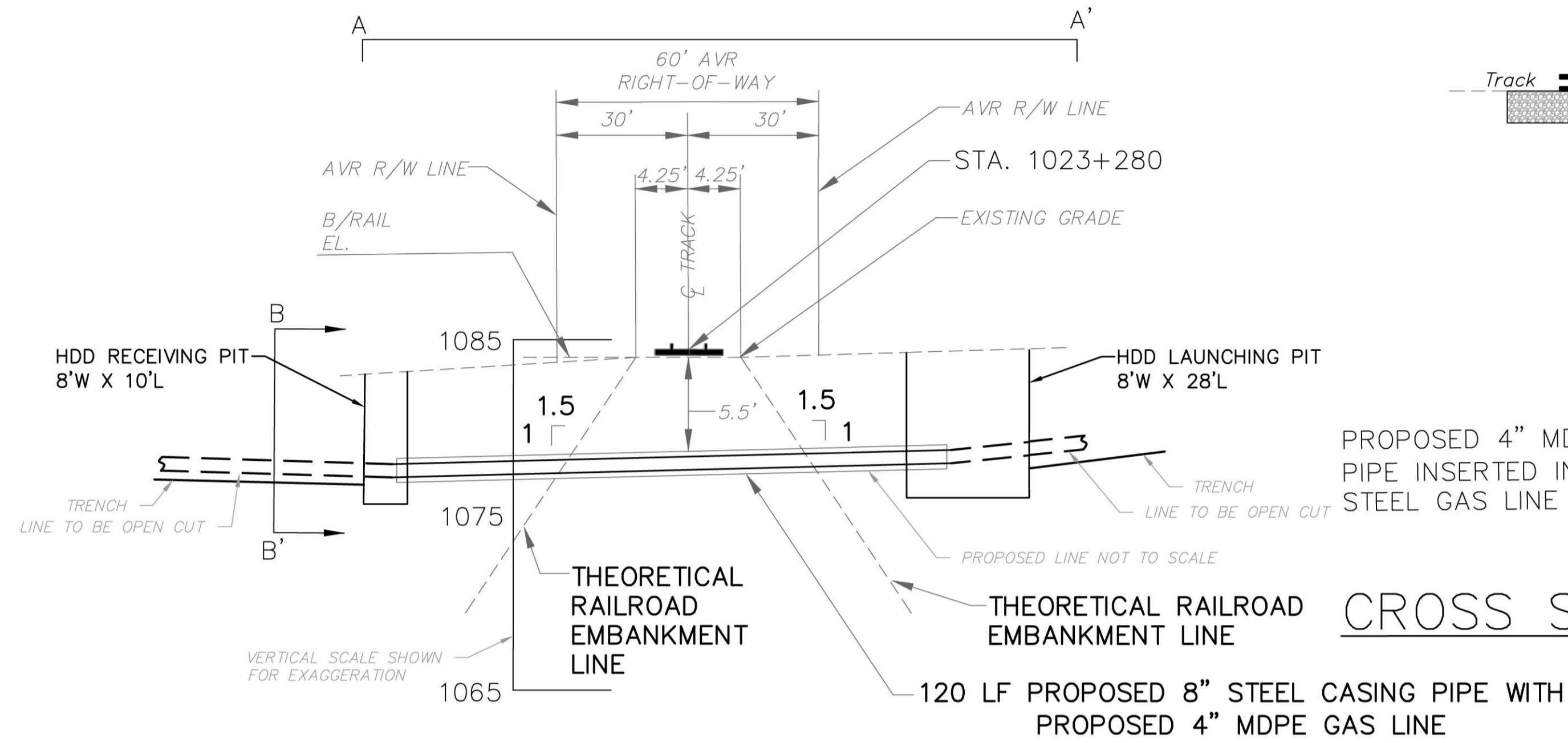
REVISION	DRAWING HISTORY	BY & DATE
0	DRAWING DESCRIPTION	XXX: XX/XX/XXXX
A.B.C.	DESIGN	XXX: XX/XX/XXXX
1.2.3	AS-BUILT DESIGN	XXX: XX/XX/XXXX

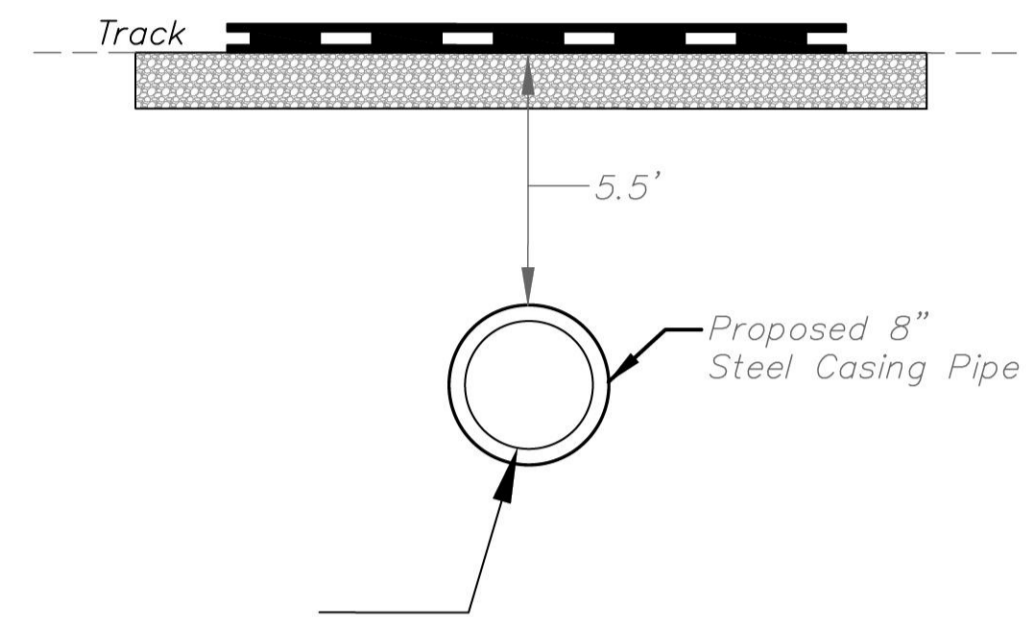
TEST FOR (SIZE) STL/PLA	XX/XX/XXXX
DESIGN PRESSURE	90 PSIG
MAOP	60 PSIG
TEST PRESSURE MIN.	_____ PSIG
TEST PRESSURE MAX.	_____ PSIG
ACTUAL TEST PRES.	_____ PSIG
OPERATING PRESSURE	_____ PSIG
MIN.	_____ PSIG
MAX.	_____ PSIG
CLASS LOCATION	3
DESIGN FACTOR	_____
STEEL PIPE PO #	PO#
PRESSURE TEST	YES / NO
TEST MEDIUM	AIR

WORK ORDER NUMBER:		23GTREN-PHASE 4 AREA 4A	
THOMAS EIGHTY FOUR RD (S.R.1055), EIGHTY FOUR, PA			
NORTH STRABANE TWP, WASHINGTON, PA			
DESIGNED	EADS	DATE	XX/XX/XXXX
DRAWN	J. NIDER	DATE	XX/XX/XXXX
CHECKED	D. WALKER	DATE	XX/XX/XXXX
DATE	02/06/2023	DATE	XX/XX/XXXX
SCALE	AS NOTED	SHEET	01 OF 02
GO WITH	YES/NO/NA	GAS	YES/NO/NA



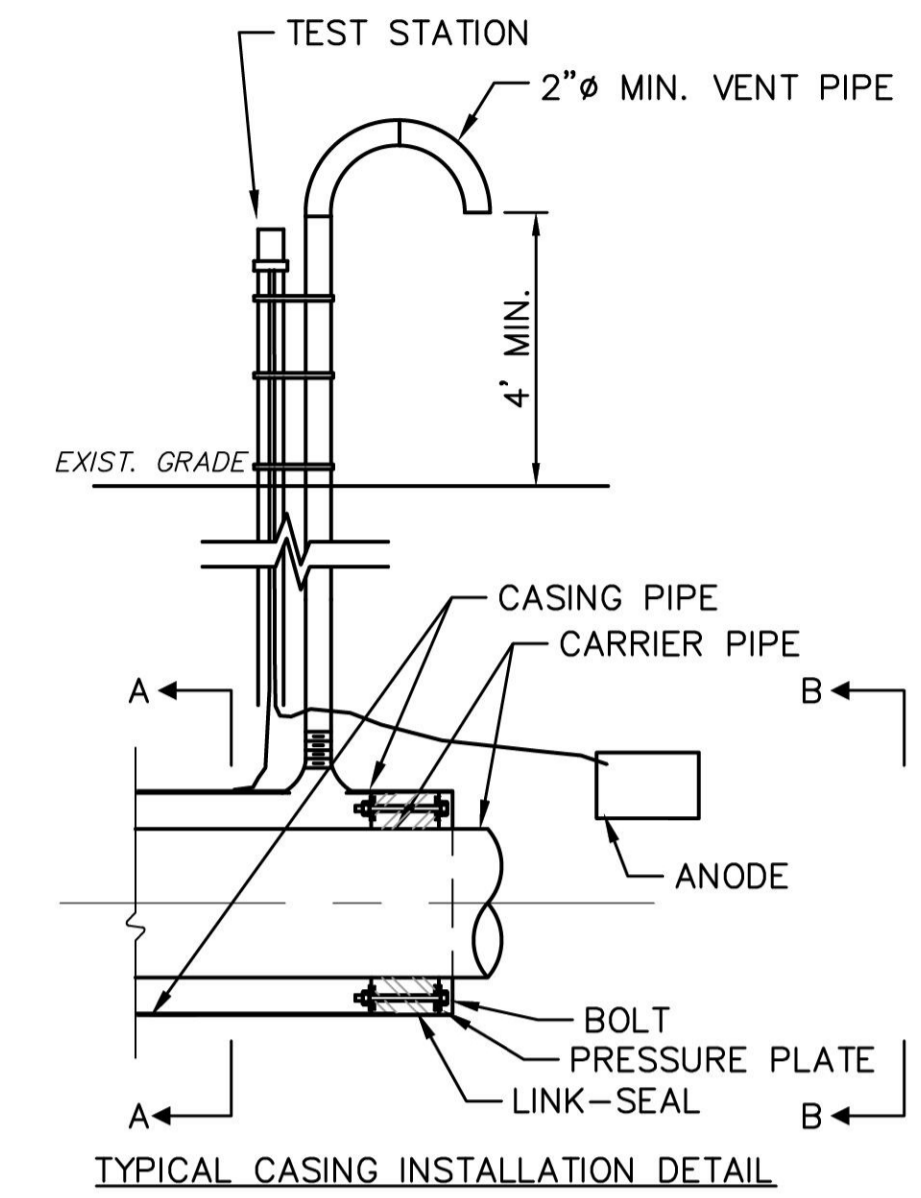
PROFILE VIEW A-A'



PROPOSED 4" MDPE PIPE INSERTED IN 8" POWER CRETE STEEL GAS LINE

CROSS SECTION VIEW B-B

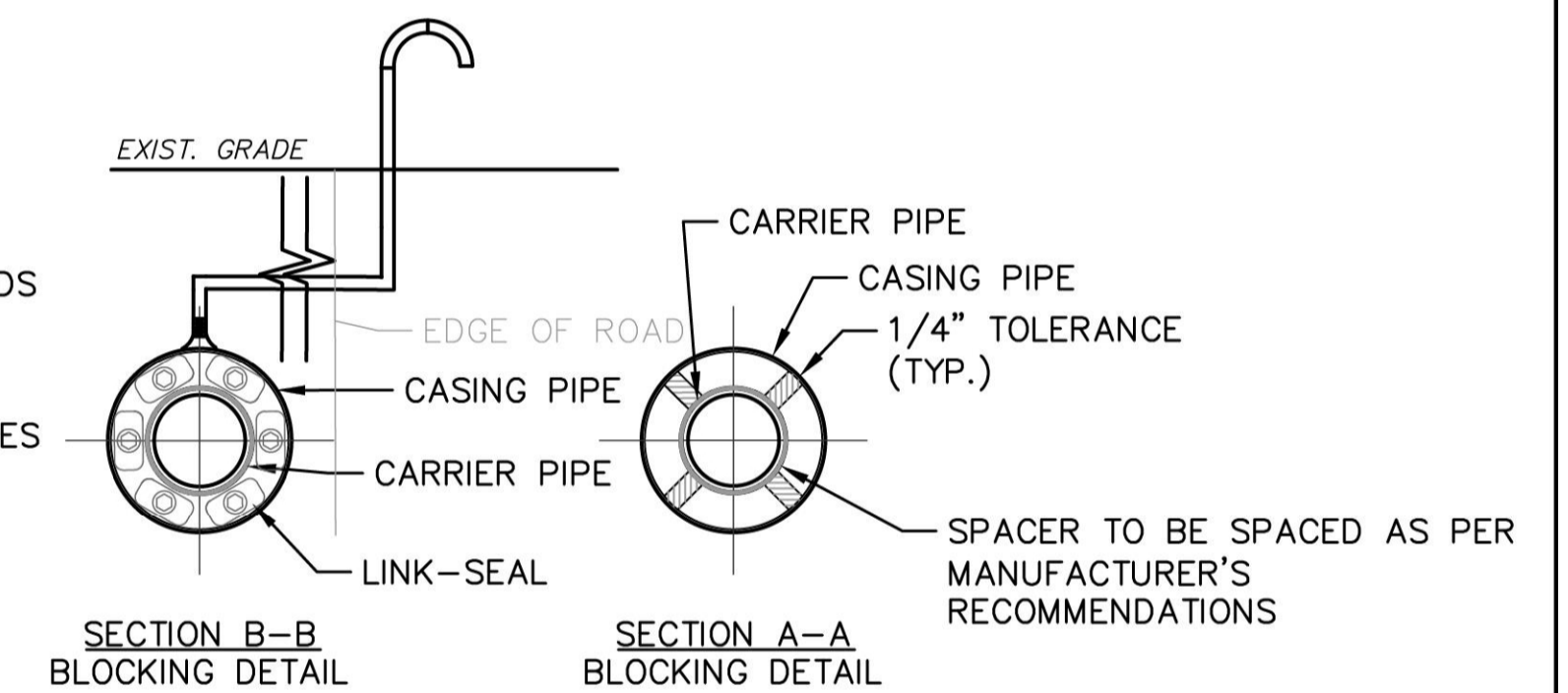
V.90.1-10  
 B



TYPICAL CASING INSTALLATION DETAIL

NOTE:

1. LINK SEAL TO BE LOCATED AT BOTH ENDS OF THE CASING PIPE.
2. VENT PIPES SHALL BE LOCATED ON THE BOTH ENDS OF CASING PIPE.
3. VENT PIPES SHALL BE AT LEAST 4 FT. VERTICALLY, FROM AERIAL ELECTRIC WIRES OR GREAT IS REQUIRED BY NATIONAL ELECTRICAL SAFETY CODE (ANSI C2)

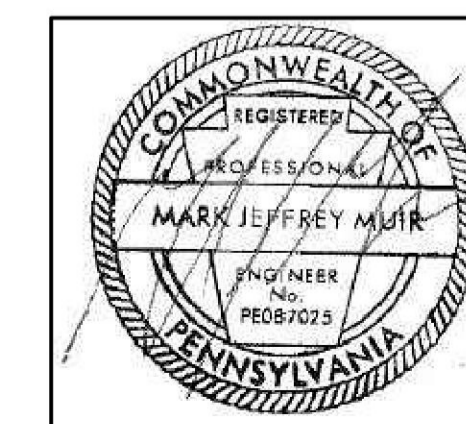


SECTION B-B BLOCKING DETAIL

SECTION A-A BLOCKING DETAIL

GENERAL NOTES

1. REFER TO BORING INTERIM GUIDELINES AND ENGINEERING SPECIFICATIONS IN THE APPLICATION PACKAGE FOR ADDITIONAL INFORMATION AND GUIDANCE.
2. LOCATE ALLEGHENY VALLEY RAILROAD'S SIGNAL FACILITIES AND/OR WARNING DEVICES AT PROPOSED FACILITY CROSSING LOCATION, I.E. CANTILEVERS, FLASHERS, GATES AND SHOW CLEARANCES.
3. CASING PIPE MUST BE SEALED TO PREVENT ENTRANCE OF FOREIGN MATERIALS
4. IF APPLICABLE, HDPE DR 11 OR BETTER MUST BE USED.
5. YOUR DRAWING MUST SHOW ALL SETS OF TRACTS PRESENT AT THE PROPOSED UTILITY CROSSING LOCATION.
6. CARLOAD EXPRESS BORE PLAN TEMPLATE AND FRACTION MITIGATION PLAN TO BE SUBMITTED TO CARLOAD EXPRESS FOR REVIEW AND APPROVAL PRIOR CONSTRUCTION.



PRELIMINARY

TEST FOR (SIZE)* STL/PLA	XX/XX/XXXX
DESIGN PRESSURE	90 PSIG
MAOP	90 PSIG
TEST PRESSURE MIN.	HRS. 0 PSIG
TEST PRESSURE MAX.	PSIG
ACTUAL TEST PRES.	HRS. 0 PSIG
OPERATING PRESSURE	PSIG
MIN.	PSIG
MAX.	PSIG
CLASS LOCATION	3
DESIGN FACTOR	FACTOR
STEEL PIPE PO #	PO#
PRESSURE TEST	YES / NO
TEST MEDIUM	AIR

REVISION	DRAWING HISTORY	BY & DATE
0	DRAWING DESCRIPTION	XXX: XX/XX/XXXX
A.B.C.	DESIGN	XXX: XX/XX/XXXX
1.2.3	AS-BUILT DESIGN	XXX: XX/XX/XXXX

WORK ORDER NUMBER:  
 23GTREN-PHASE 4 AREA 4A

THOMAS EIGHTY FOUR RD (S.R.1055), EIGHTY FOUR, PA  
 NORTH STRABANE TWP, WASHINGTON, PA

DESIGNED: EADS DATE: XX/XX/XXXX SCALE: AS NOTED  
 DRAWN: J. NIDER CHK: D. WALKER SHEET: 02 OF 02  
 DATE: 02/06/2023 DATE: XX/XX/XXXX GO WITH: YES/NO/NA