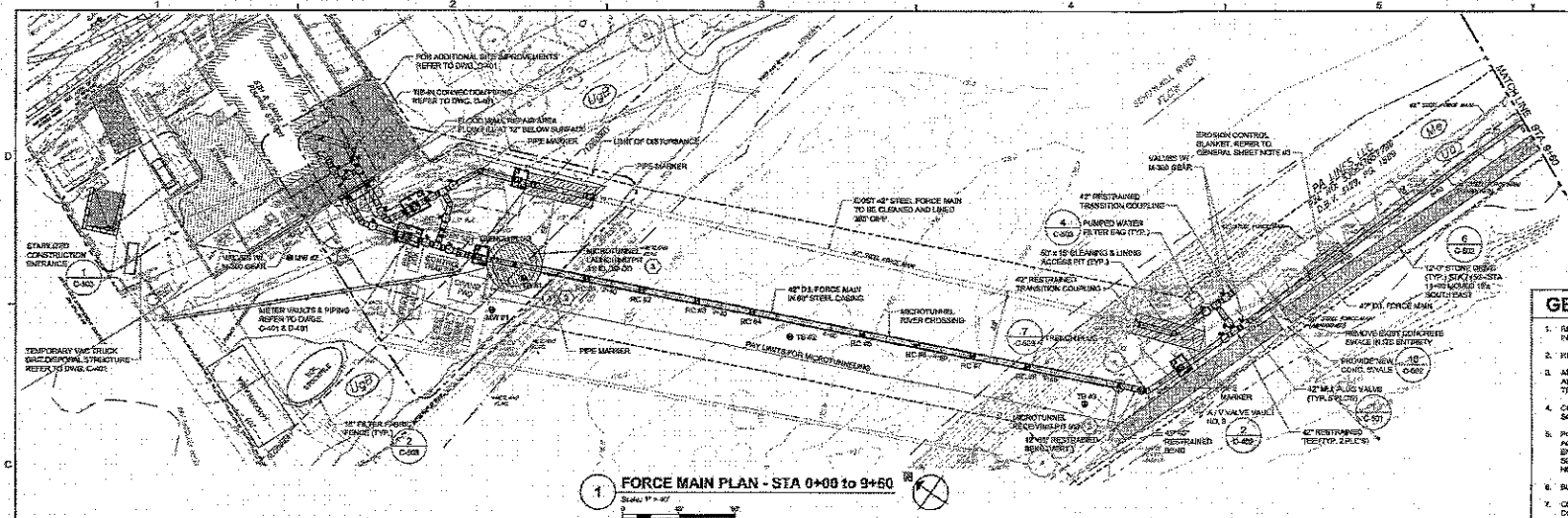
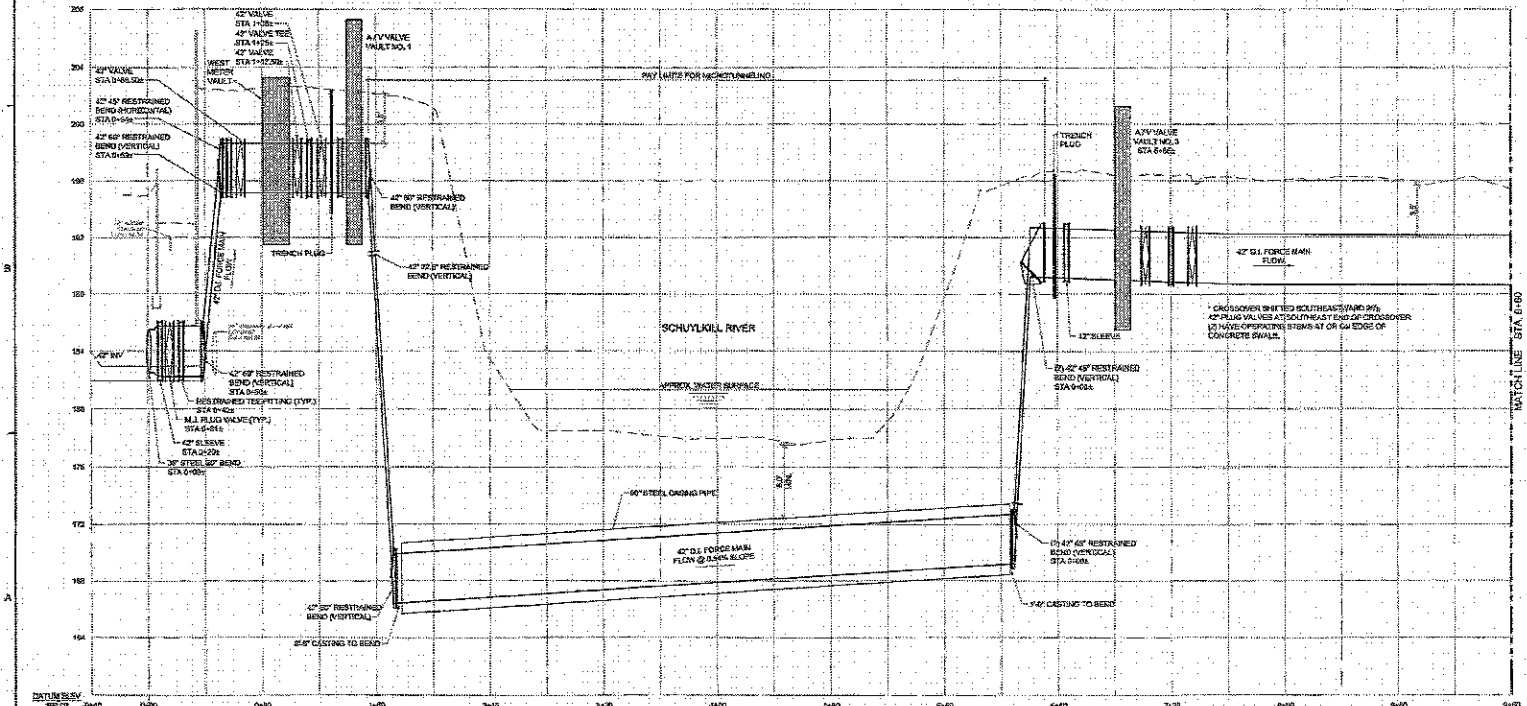


1 FORCE MAIN PLAN - STA 0+00 to 9+60

Scale: 1" = 40'



A FORCE MAIN PROFILE - STA 0+00 to 9+60

Scale: 1" = 40' HORZ.
1" = 4' VERT.

GENERAL SHEET NOTES

1. REFER TO DRAWING G-001 FOR GENERAL PROJECT NOTES, DRAWING INDEX & DRAWING CONVENTIONS.
2. REFER TO DRAWING G-002 FOR SYMBOLS, ABBREVIATIONS & LEGENDS.
3. ALL DISTURBED GRASS AREAS WILL BE STABILIZED WITH SOD, AMENDMENTS AND A DEEP ROOTING MEADOW MIX. PROVIDE TEMPORARY EROSION CONTROL BLANKET, MAG-SS.
4. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF NORFOLK SOUTHERN'S NSCE-6 SPECIFICATIONS.
5. PIPELINE 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.
6. BLASTING NOT PERMITTED.
7. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT PA ONE CALL AND THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PRIVATE UTILITY LOCATING COMPANY TO LOCATE ALL EXISTING UTILITIES ON PRIVATE PROPERTY. CONTRACTOR SHALL REPAIR ALL DAMAGED UTILITIES AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR TO DESIGN ALL SHEETING AND BRACING FOR HIS WORK. THE DESIGN OF THIS SHEETING AND BRACING SHALL BE BY A PENNSYLVANIA LICENSED PROFESSIONAL ENGINEER. ALL DESIGN SHALL BE APPROVED BY NORFOLK SOUTHERN PRIOR TO COMMENCING ANY WORK.
9. TWO (2) ABANDONED 36-INCH STEEL FORCE MAIN LOCATED PARALLEL TO EXISTING 42-INCH STEEL FORCE MAIN. LOCATION UNKNOWN.
10. FOR DETAILED BORING LOGS REFER TO THE GEOTECHNICAL REPORT IN THE PROJECT MANUAL.

SHEET KEYNOTES

1. 50' x 75' MINIMUM STAGING AREA FOR MICROTUNNELING LAUNCH SITE. SETUP DOES NOT INCLUDE STOCKPILING.
2. TYPICAL MICROTUNNELING EQUIPMENT LAYOUT FOR PRESENTATION PURPOSES ONLY. CONTRACTOR SHALL SUBMIT PROPOSED STAGING AREA LAYOUT PLAN.
3. MICROTUNNEL LAUNCHING AND RECEIVING PIT LAYOUT FOR PRESENTATION PURPOSES ONLY. CONTRACTOR SHALL SUBMIT PROPOSED PIT DESIGN IN ACCORDANCE WITH THE SPECIFICATIONS AND SI TO INCLUDE, BUT NOT LIMITED TO, SHEETING AND BRACING OF PIT, DEWATERING, PIT FOUNDATION, PIPE FOUNDATION, PIPE SUPPORT THROUGH PIT, PIPE TENSION REQUIREMENTS AND BACKFILLING.

RECORD DRAWING NOTES

1. CONSTRUCTED PER PLAN UNLESS OTHERWISE SHOWN OR INDICATED.
2. POINTYARD PIPING IN CONVEYANCE SEE SHEET D-401 FOR DETAIL AND MEASUREMENTS.
3. PIPE MARKERS PLACED AT VALVES OUTSIDE OF CONCRETE SWALE.
4. SEE PROFILE FOR FITTING STATION LOCATION.

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RECORD DRAWING PREPARED BY PJDT CONSTRUCTION DATE 09/11/2015

NO.	DATE	REVISIONS/ISSUES	BY	APP'D
1	11/04/15	RECORD DRAWINGS	BWD	

CITY OF READING
READING, BERKS COUNTY, PENNSYLVANIA
42-INCH FORCE MAIN - 6TH & CANAL PS TO ANGELICA CREEK
CITY OF READING PROJECT #2001-12
CIVIL / EROSION & SEDIMENTATION CONTROL
FORCE MAIN PLAN & PROFILE - STATION 0+00 to 9+60

SCALE	AS NOTED
PROJECT NO.	15442
DRAWN BY	RJW
APPROVED BY	MJS
DRAWING NO.	6410.05
DRAWING NO.	C-101