DART DESIGN STANDARDS
CHECKLIST FOR
PIPELINES CONVEYING FLAMMABLE SUBSTANCES
BENEATH RAILROAD TRACK

PROJECT NAME	
DATE	DART – GEC NUMBER (DART Use Only)

Instructions: Complete the checklist by checking the appropriate response for each item. Return the completed checklist with the "Standard Application." This checklist provides, but is not limited to, the most common design and construction standards DART may require. DART reserves the right to apply additional standards other than those listed on the checklist. Explain each N/A response in the space provided for additional comments.

#	Item	Yes	N/A	DART Use[1]
1	The application includes a drawing showing a plan, cross section and details for the crossing.			
2	The drawing shows the track station or milepost number of the crossing.			
3	The drawing shows the DART right of way and public right of way boundaries in relation to the crossing.			
4	The drawing shows lines under railway tracks to be encased across the full width of the right of way.			
5	The drawing shows lines to be installed under tracks by boring or jacking. (AREMA 5.1.2.b)[2]			
6	The drawing shows lines crossing tracks approximately and preferably at right angles thereto but in no case at less than a 45 degree angle. (AREMA 5.1.2.c)			
7	Where practicable the drawing shows lines crossing where the tracks are carried on an embankment. (AREMA 5.1.2.c)			
8	In accordance with AREMA 5.1.2.e emergency procedures are provided with the application.			
9	The drawing shows pipelines marked in accordance with AREMA 5.1.2.g and DART 6.9 on page 6-38.			
10	The drawing shows steel carrier pipe meets the hoop stress requirements of AREMA 5.1.3.1.			
11	The drawing shows plastic pipe material complies with AREMA 5.1.4.d.			
12	The drawing shows casing pipe joints and diameter comply with AREMA 5.1.5.a.			
13	The drawing shows the casing pipe wall thickness complies with AREMA 5.1.5, Table 1-5-1.			

[1] DART Use
CON – Concur with applicant
DNC – Do Not Concur with applicant

[2] AREMA References are found in Manual for Railway Engineering, Volume 1, Chapter 1, "Roadway and Ballast", Section 5, "Pipelines." DART reference is found in the *DART Light Rail Project Design Criteria Manual.*

#	Item	Yes	N/A	DART Use[1]
14	The drawing shows the casing pipe minimum yield strength to be 35,000 psi. (AREMA 5.1.5.1)			
15	The drawing shows casing pipe to be constructed to the requirements of AREMA 5.1.6.a.			
16	The drawing shows, where casing and/or carrier pipe is cathodically protected, a suitable test to ensure that other railway structures and facilities are adequately protected from the cathodic current in accordance with AREMA 5.1.6.b.			
17	The drawing shows all installation methods comply with AREMA 5.1.6.1.			
18	The drawing shows the casing pipe buried in accordance with AREMA 5.1.6.2.1.			
19	The drawing defines the carrier pipe inspection and testing requirements. (AREMA 5.1.6.3)			
20	The drawing shows the casing is sealed in accordance with AREMA 5.1.6.4.			
21	The drawing shows the casing pipe to be vented in accordance with AREMA 5.1.6.5.			
22	The drawing shows shut off valves to be installed in accordance with AREMA 5.1.6.6.			
23	When lines are to be laid longitudinally on ROW the drawing shows them to be located in accordance with AREMA 5.1.6.7.			
24	The drawing shows the plan data provided in accordance with AREMA 5.1.7.			

Additional Comments: