

Reference Library

DESC Design and Installation Manual - Version 3.1 June 10, 2022

[REFERENCES](#) | [FIGURES AND DRAWINGS](#) | [FORMS AND REPORTS](#)

REFERENCES		
Title	Format	Where referenced
Breakaway Connector Setup	.pdf	1015 - Horizontal Directional Drilling (HDD)
EFV Line Protection Calculator	.xls	1025 - Excess Flow Valves (EFV)
Excess Flow Valves and Split Branch Services Rev 2	.pdf	1025 - Excess Flow Valves (EFV)
Minimum Drilling Fluid Requirements	.pdf	1015 - Horizontal Directional Drilling (HDD)
Minimum Pullback Time	.pdf	1015 - Horizontal Directional Drilling (HDD)
Pipe Detail Identification	.pdf	4010 - Documentation of Pipeline Construction
Script for Customer Calls	.pdf	1018 - New Gas Install Service Order Process
Steel Pipe and Fittings Table	.pdf	1040 - Steel Pipe and Fittings
Summary Guidelines for Gas Service Line	.pdf	1018 - New Gas Install Service Order Process
Thrust and PreReam Time	.pdf	1015 - Horizontal Directional Drilling (HDD)
Welding Manual	online manual	1010 - Construction Specifications
X-Ray Identification	.pdf	4010 - Documentation of Pipeline Construction

FIGURES AND DRAWINGS		
(all in PDF format)		
Title	Drawing No.	Where referenced
Asphalt Repair - High Volume - Trench	1.02.220	1010 - Construction Specifications
Asphalt Repair - Low Volume - Trench	1.02.200	1010 - Construction Specifications
Concrete Repair - Trench	1.02.100	1010 - Construction Specifications
Construction Entrances	1.04.200	1010 - Construction Specifications
Distance from Impoundment Area to Buildings and Property Lines	Chart 1	1070 - Temporary LNG Installation Guidelines
Farm Tap High Pressure Service Assembly	4.02.105	1025 - Excess Flow Valves (EFV)
Field Change Flow Path	Chart 1	1006 - Field Changes
Gas Pipeline Marker - Waterway Crossing - Large	1.01.250	1035 - Pipe Markers
Gas Pipeline Marker - Waterway Crossing - Small	1.01.252	1035 - Pipe Markers
Pipeline Marker - Gas Distribution Sign	1.01.100	1035 - Pipe Markers
Pipeline Marker - High Pressure Sign	1.01.111	1035 - Pipe Markers
Pipeline Marker - Gas Pipeline Sign (Alternate Method)	1.01.110	1035 - Pipe Markers
Plastic Tapping Tee - Conventional Fusion	2.01.120	1020 - Service Lines 3020 - Fusion Procedures
Plastic Tapping Tee - Mechanical	3.01.120	1020 - Service Lines
Purge Stack - Horizontal Main Outlet	2.07.110	1010 - Construction Specifications
Purge Stack - Service Line	3.04.100	1020 - Service Lines

Purge Stack - Temporary Riser	2.07.120	1010 - Construction Specifications
Purge Stack - Vertical Main Outlet	2.07.100	1010 - Construction Specifications
Regulator Vent, For Underground Enclosure.	4.03.115	1023 - Installation of Customer Metering
Residential Meter Set, Typical Horizontal Vent	4.03.105	1023 - Installation of Customer Metering
Residential Meter Set, Typical Installation	4.03.100	1023 - Installation of Customer Metering
Residential Meter Set, Typical Vertical Vent	4.03.106	1023 - Installation of Customer Metering
Right of Way Marker - Boundary Indicator	1.01.150	1035 - Pipe Markers
Sediment Tubes	1.04.110	1010 - Construction Specifications
Service Riser	3.03.100	1020 - Service Lines
Silt Fencing	1.04.100	1010 - Construction Specifications
Splice Kit Connection	1.05.110	3050 - Installation of Plastic Pipe
Split bolt connection	1.05.100	3050 - Installation of Plastic Pipe
Steel Tapping Tee - Mechanical	3.01.110	1020 - Service Lines
Steel Tapping Tee - Weld, Flanged Cap	2.01.101	1020 - Service Lines
Steel Tapping Tee - Weld, Threaded Cap	2.01.100	1020 - Service Lines
Temporary Site Drawing (Example)	1.01.1070	1070 - Temporary LNG Installation Guidelines
Test Point - Above Ground	2.06.110	3050 - Installation of Plastic Pipe
Test Point - Flush Mounted	2.06.100	3050 - Installation of Plastic Pipe
Tiered Engineering Design Review Flow Path	Chart 2	1005 - Tiered Engineering Design Review Process
Tiered Engineering Design Review Roles	Chart 1	1005 - Tiered Engineering Design Review Process
Trace Safe to Trace Safe Connector	1.05.200	3050 - Installation of Plastic Pipe
Trace Safe to 12 Gauge Wire	1.05.210	3050 - Installation of Plastic Pipe
Trace Safe Locator Lug	1.05.220	3050 - Installation of Plastic Pipe
Trace Safe Main to Lateral Connector	1.05.230	3050 - Installation of Plastic Pipe
Transition Fabrication detail	(none)	1045 - Best Practices for ILI - Transmission Pipelines - New Construction and Retrofits
Trench Detail - Main in ROW	2.02.100	1010 - Construction Specifications 3050 - Installation of Plastic Pipe
Trench Detail - Main within SCDOT ROW	2.02.200	1010 - Construction Specifications 3050 - Installation of Plastic Pipe
Trench Detail - Service in ROW (Non SCDOT)	3.02.100	1020 - Service Lines 3050 - Installation of Plastic Pipe
Trench Detail - Service on private property	3.02.300	1020 - Service Lines 3050 - Installation of Plastic Pipe
Trench Detail - Service within SCDOT ROW	3.02.200	1020 - Service Lines 3050 - Installation of Plastic Pipe
Typical "NG Connection", Meter Set and Water Heater	4.03.110	1023 - Installation of Customer Metering
Zap-Lok Pipeline System	2.12.100	1015 - Horizontal Directional Drilling (HDD)

FORMS AND REPORTS		
(all in PDF format unless otherwise noted)		
Title	Form number	Where referenced
Add / Modify Aboveground Pipeline Record	DESC OM-501	4010 - Documentation of Pipeline Construction
Add / Modify Pipe Record	DESC OM-501	4010 - Documentation of Pipeline Construction

Add / Modify / Remove Valve Record	DESC OM-501	4010 – Documentation of Pipeline Construction
Add / Modify / Verify Transmission Record	DESC OM-501	4010 – Documentation of Pipeline Construction
Add / Remove Fitting Record for Mains	DESC OM-501	4010 – Documentation of Pipeline Construction
Annual Equipment Evaluation Form for Non-Satisfactory Tests	DI 2100	2100 - Design
Checklist for Services to Existing Residential	DI 1018	1018 - New Gas Install Service Order Process
Cover Sheet	Attachment	4010 – Documentation of Pipeline Construction
Directional Drilling As-Built Form	DI 1015	1015 - Horizontal Directional Drilling (HDD)
Field Change Form	Attachment 1	1006 - Field Changes
General Field Procedure Example (Word file)	Example 1	1004 - Project Control Procedure Creation Process
HDD Emergency Response Checklist	DI 1015	1015 - Horizontal Directional Drilling (HDD)
HDD Pre-Bore Checklist	DI 1015	1015 - Horizontal Directional Drilling (HDD)
Inspector's Checklist	DI 1010	1010 - Construction Specifications
MAOP Verification Form (Excel)	Attachment	4010 – Documentation of Pipeline Construction
Pipe Detail Form	Attachment	4010 – Documentation of Pipeline Construction
Pipe Detail Identification	Attachment	4010 – Documentation of Pipeline Construction
Pipeline Test Report	1050	4010 – Documentation of Pipeline Construction
Qualification Record	DI 3040	3040 - Qualifying Persons to Join Plastic
Service Order Request Form	DI 1018	1018 - New Gas Install Service Order Process
Service Order Page 2 Template	DI 1018	1018 - New Gas Install Service Order Process
SWPPP Inspection Form	DI 1010	1010 - Construction Specifications
Transmission Project Records Checklist	Attachment	4010 – Documentation of Pipeline Construction
Weld Location File (Excel)	Attachment	4010 – Documentation of Pipeline Construction
Weld Location Spreadsheet	Attachment 1	4010 – Documentation of Pipeline Construction
Welder Stencil	Attachment	4010 – Documentation of Pipeline Construction
Welder X-Ray ID	Attachment	4010 – Documentation of Pipeline Construction
X-Ray Identification	Attachment	4010 – Documentation of Pipeline Construction

(UNCONTROLLED IF PRINTED)