

DAY 1

FUNDAMENTALS & MANUFACTURING

TITLE	COURSE	SECTION
ACPA Then and Now	Course 1	1.1
Pipe & Soil Fundamentals	Course 2	2.1
Design Fundamentals		2.2
Pipe Materials (Plastic, RCP, Metal)	Course 3	3.1
Concrete Pipe Ingredients		3.2
Manufacturing Methods: Batching and Reinforcing	Course 4	4.1
Manufacturing Methods: Wetcast, Drycast, Curing		4.2
Product Testing: Quality Control	Course 5	5.1

DAY 2

BOX CULVERT AND PRE-INSTALLATION INSPECTION

TITLE	COURSE	SECTION
Box Culvert Fundamentals and Installation	Course 6a	6.1
Box Culvert Fundamentals and Installation		6.2
Box Culvert End Sections and Special Precast Options	Course 6b	6.3
Accelerated Precast Construction (APC)		6.4
Pre-Installation Inspection: Inspection Milestones	Course 7	7.1
Pre-Installation Inspection: Onsite Inspection		7.2
Pipe Repair	Course 8	8.1

DAY 3

INSTALLTION & POST INSTALLATION INSPECTION

TITLE	COURSE	SECTION
Installation Fundamentals: Pipe Fundamentals and Soil Basics	Course 9a	9.1
Installation Fundamentals: Introduction to Trenches		9.2
Standard Installations: Excavation, Foundation, & Bedding	Course 9b	9.3
Standard Installations: Placing, Joining, and Backfill		9.4
Post Installation Inspection: Introduction	Course 10a	10.1
Post Installation Inspection: Understanding Cracks		10.2
Post Installation Inspection: Tools, Processes and Evaluation	Course 10b	10.3

DAY 4

PIPE MATERIAL SELECTION & DESIGN CONSIDERATIONS

TITLE	COURSE	SECTION
Resiliency	Course 11a	11.1
Sustainability		11.2
Durability	Course 11b	11.3
Hydraulics	Course 11c	11.4
Structural Design	Course 12	12.1