

Subject Index

I

100 years, 91-101

A

AASHTO, 132-149
 abrasion resistance, 3-19
 acceptance, 279-286
 antioxidant depletion, 113-131
 axial strain, 380-393
 axial stress, 380-393

B

bends, 150-161
 butt fusion, 150-161

C

capacity, 3-19
 CCTV, 279-286
 cell classification, 82-88
 certification, 73-81
 chamber, 132-149
 chlorinated polyvinylchloride, CPVC, 269-278
 corrosion resistance, 3-19
 corrugated, 91-101
 corrugated pipe, 20-34
 corrugated polyethylene pipe, 20-34, 173-189
 CPVC, 252-268
 crack resistance, 3-19
 cracks deformation, 279-286
 creep, 229-251
 culvert, 20-34, 91-101
 cyclic pressure, 3-19

D

D 3350, 82-88
 deflection, 3-19, 162-170
 design, 56-72, 162-170, 380-393
 design basis, 3-19
 design factor, 35-55
 directional drilling, 380-393

E

embodied energy, 3-19
 environment, 3-19
 environmental stress cracking, 269-278
 environmental stress cracking (ESC), 252-268

F

fatigue, 229-251
 fiberglass, 150-161
 fire sprinkler pipe, 269-278
 fitting manufacture, 150-161
 flexible pipe, 162-170
 fracture mechanics, 173-189
 fracture mechanics behavior, 35-55
 fused joints, 3-19, 331-351
 fusion, 360-379

G

gas distribution, 289-308
 gas pipe, 289-308
 glycol, 269-278
 green, 3-19

H

HDPE, 91-101, 173-189
 health, 3-19
 high density polyethylene, 380-393
 high pressure, 289-308
 horizontal directional drilling, 3-19,
 331-351, 360-379
 horizontal directional drilling (HDD),
 216-228
 hydrostatic design stress, 35-55

I

inspection, 279-286
 installation, 162-170, 229-251
 integrated joint restraint, 150-161
 internally restrained joint, 216-228
 investigation, 229-251

J

joint leakage, 3-19
 joint restraint, 3-19

L

land drainage, 20-34
 landfills, 113-131
 leachate collection pipes, 113-131
 long-term hydrostatic strength, 35-55
 long-term strength, 3-19

M

materials, 82-88
 microbially induced corrosion
 inhibitor, 269-278
 modeling, 360-379

N

notch ring compression test, 173-189
 NSF 14, 73-81
 nylon-11, 289-308

P

PA-11, 289-308
 PACP, 279-286
 perforations, 113-131
 permeation, 3-19
 pipe, 20-34, 73-81, 91-101, 252-268,
 279-286, 380-393
 pipe history, 20-34
 pipe specifications, 20-34
 pipe testing, 20-34
 plastic, 73-81, 91-101
 plastic pipe, 56-72, 289-308, 331-351
 plastic steam conduit, 320-328
 polyamide-11, 289-308
 polyethylene, 20-34, 82-88, 91-101
 polyethylene pipe, 331-351
 polysulfone fittings, 320-328
 polyvinyl chloride pipe, 331-351
 pull force, 360-379
 PVC fabricated fittings, 150-161
 PVC pipe, 3-19, 216-228, 360-379

R

rapid crack propagation, 331-351
 root intrusion, 3-19

S

safety, 3-19
 service factor, 35-55
 service life, 91-101, 173-189, 380-393
 soil-structure interaction, 162-170

standard, 73-81
 standards, 35-55
 steam heating system, 320-328
 storm sewer, 20-34
 stormwater, 132-149
 strength, 3-19, 56-72
 stress, 56-72
 stress crack resistance, 173-189
 stress cracking, 173-189
 structural plastic, 229-251
 sustainable, 3-19

T

tapping, 3-19
 tees, 150-161
 terminology, 279-286

test protocol, 173-189
 thermoplastic, 56-72, 132-149
 thermoplastics pressure pipe, 35-55
 time effects, 162-170
 time lag, 162-170
 trenchless, 3-19
 trenchless installation, 380-393
 trenchless technology, 331-351
 tubing, 320-328

V

viscoelastic, 3-19

W

wyes, 150-161