

NASSCO'S PIPELINE ASSESSMENT & CERTIFICATION PROGRAM (PACP)©

Section 4—Continuous Defect Coding

<p>“TRULY” 4-1</p> <p>“Truly” continuous defects run along the sewer without any interruption for more than 3 feet.</p> <p>Examples:</p> <ul style="list-style-type: none"> - Longitudinal Fractures - Cracks 	<p>“REPEATED” 4-1</p> <p>“Repeated” continuous defects occur at regular intervals along the sewer. These occur at pipe joints and include:</p> <ul style="list-style-type: none"> -Encrustation -Open Joints -Circumferential Fractures
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Section 5—Structural Defect Coding (Module 6A)

<p>C CRACK 5-1</p> <p>CL Longitudinal 5-2</p> <p>CC Circumferential 5-2</p> <p>CM Multiple 5-2</p> <p>CS Spiral 5-2</p>	<p>F FRACTURE 5-7</p> <p>FL Longitudinal 5-7</p> <p>FC Circumferential 5-7</p> <p>FM Multiple 5-7</p> <p>FS Spiral 5-7</p>	<p>B BROKEN 5-15</p> <p>BSV -Soil Visible Beyond Defect 5-15</p> <p>BV V -Void Visible Beyond Defect 5-15</p>	<p>H HOLE 5-17</p> <p>HSV -Soil Visible Beyond Defect 5-17</p> <p>HV V -Void Visible Beyond Defect 5-17</p>	<p>D DEFORMED 5-19</p> <p>DV Deformed Vertically (brick) 5-19</p> <p>DH Deformed Horizontally (brick) 5-19</p>	<p>X COLLAPSE 5-23</p> <p>XP Pipe Collapse 5-23</p> <p>XB Brick Collapse 5-23</p>	<p>J JOINT 5-27</p> <p>JO Joint Offset (Displaced) 5-27</p> <p>JS Joint Separated (Open) 5-27</p> <p>JA Joint Angular 5-27</p>
<p>S SURFACE DAMAGE 5-32</p> <p>SRI Roughness Increased 5-32</p> <p>SRIM -Mechanical 5-33</p> <p>SRIC -Chemical Attack 5-33</p> <p>SRIZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SAV Aggregate Visible 5-32</p> <p>SAVM -Mechanical 5-33</p> <p>SAVC -Chemical Attack 5-33</p> <p>SAVZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SAP Aggregate Projecting 5-32</p> <p>SAPM -Mechanical 5-33</p> <p>SAPC -Chemical Attack 5-33</p> <p>SAPZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SAM Aggregate Missing 5-32</p> <p>SAMM -Mechanical 5-33</p> <p>SAMC -Chemical Attack 5-33</p> <p>SAMZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SRV Reinforcement Visible 5-32</p> <p>SRVM -Mechanical 5-33</p> <p>SRVC -Chemical Attack 5-33</p> <p>SRVZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SRP Reinforcement Projecting 5-32</p> <p>SRPM -Mechanical 5-33</p> <p>SRPC -Chemical Attack 5-33</p> <p>SRPZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SRC Reinforcement Corroded 5-32</p> <p>SRCM -Mechanical 5-33</p> <p>SRCC -Chemical Attack 5-33</p> <p>SRCZ -Not Evident 5-33</p>
<p>S SURFACE DAMAGE 5-32</p> <p>SMW Missing Wall 5-33</p> <p>SMWM -Mechanical 5-33</p> <p>SMWC -Chemical Attack 5-33</p> <p>SMWZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SSS Surface Spalling 5-33</p> <p>SSSM -Mechanical 5-33</p> <p>SSSC -Chemical Attack 5-33</p> <p>SSSZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SZ Other 5-33</p> <p>SZM -Mechanical 5-33</p> <p>SZC -Chemical Attack 5-33</p> <p>SZZ -Not Evident 5-33</p>	<p>S SURFACE DAMAGE 5-32</p> <p>SCP Corrosion (metal pipe) 5-33</p>	<p>LF LINING FAILURE 5-46</p> <p>LFD Detached Lining 5-46</p> <p>LFDE Defective End 5-46</p> <p>LFB Blistered Lining 5-46</p> <p>LFCS Service Cut Shifted 5-46</p> <p>LFAC Abandoned Connection 5-46</p>	<p>LF LINING FAILURE 5-46</p> <p>(continued)</p> <p>LFOC Overcut Service 5-46</p> <p>LFUC Undercut Service 5-46</p> <p>LFBK Buckled Lining 5-46</p> <p>LFW Wrinkled Lining 5-46</p> <p>LFZ Other 5-46</p>	<p>WF WELD FAILURE 5-58</p> <p>WFL Longitudinal 5-58</p> <p>WFC Circumferential 5-58</p> <p>WFM Multiple 5-58</p> <p>WFS Spiral 5-58</p> <p>WFZ Unidentified 5-58</p>
<p>RP POINT REPAIR 5-64</p> <p>RPR Pipe Replaced 5-64</p> <p>RPRD -Defective 5-64</p> <p>RPP Patch Repair 5-64</p> <p>RPPD -Defective 5-64</p>	<p>RP POINT (cont) REPAIR 5-64</p> <p>RPL Localized Lining 5-64</p> <p>RPLD -Defective 5-64</p> <p>RPZ Other 5-64</p> <p>RPZD -Defective 5-64</p>	<p>BRICKWORK 5-70</p> <p>DB Displaced 5-70</p> <p>MB Missing 5-70</p> <p>DI Dropped Invert 5-70</p>	<p>BRICKWORK 5-70</p> <p>(continued)</p> <p>MM Missing Mortar 5-70</p> <p>S -Small 5-70</p> <p>M -Medium 5-71</p> <p>L -Large 5-71</p>			

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Section 6—Operational and Maintenance (Module 6B)

D DEPOSITS 6-1 DA Attached 6-1 DAE -Encrustation 6-2 DAGS -Grease 6-2 DAR -Ragging 6-2 DAZ -Other 6-2	D DEPOSITS 6-1 (continued) DS Settled 6-1 DSF -Fine 6-2 DSGV -Gravel 6-2 DSC -Hard/Compacted 6-2 DSZ -Other 6-2	D DEPOSITS 6-1 (continued) DN Ingress 6-1 DNF -Fine Material 6-3 (silt & sand) DNGV -Gravel 6-3 DNZ -Other 6-3	R ROOTS 6-7 RF Fine 6-7 RFB -Barrel 6-7 RFL -Lateral 6-7 RFC -Connection 6-7	R ROOTS 6-7 (continued) RM Medium 6-7 RMB -Barrel 6-7 RML -Lateral 6-7 RMC -Connection 6-7	R ROOTS 6-7 (continued) RB Ball 6-7 RBB -Barrel 6-7 RBL -Lateral 6-7 RBC -Connection 6-7	R ROOTS 6-7 (continued) RT Tap 6-7 RTB -Barrel 6-7 RTL -Lateral 6-7 RTC -Connection 6-7
I INFILTRATION 6-13 IW Weeper 6-13 ID Dripper 6-13 IR Runner 6-13 IG Gusher 6-13	OB OBSTACLES/Obstructions 6-19 OBB Brick or Masonry 6-19 OBM Pipe Material in Invert 6-19	OB OBSTACLES/Obstructions (cont) 6-19 OBI Object protruding through wall 6-19 OBJ Object wedged in joint 6-19	OB OBSTACLES/Obstructions (cont) 6-19 OBC Object through connection/junction 6-19 OBP External Pipe Cable 6-19	OB OBSTACLES/Obstructions (cont) 6-19 OBS Built into structure 6-20 OBN Construction Debris 6-20 OBR Rocks 6-20 OBZ Other 6-20	V VERMIN 6-31 VR Rat 6-31 VC Cockroach 6-31 VZ Other 6-31	

Section 7—Construction Features Coding (Module 6C)

T TAP 7-1 TF Factory Made (junction) 7-1 TFA -Active 7-2 TFB -Abandoned 7-2 TFC -Capped 7-2 TFD -Defective 7-2	T TAP (continued) 7-1 TB Break In/Hammer (connection) 7-2 TBI -Intruding 7-2 TBA -Active 7-2 TBB -Abandoned 7-2 TBC -Capped 7-2 TBD -Defective 7-2	T TAP (continued) 7-1 TS Saddle (connection) 7-2 TSI -Intruding 7-2 TSA -Active 7-2 TSB -Abandoned 7-2 TSC -Capped 7-2 TSD -Defective 7-2	IS INTRUDING SEAL MATERIAL 7-8 ISSR Sealing Ring 7-8 ISSRH -Hanging 7-8 ISSRB -Broken 7-8	IS INTRUDING SEAL MATERIAL 7-8 (continued) ISGT Grout 7-8 ISZ Other 7-8	L LINE 7-11 (of sewer) LL Left 7-11 LLU Left & Up 7-11 LLD Left & Down 7-11 LR Right 7-11	L LINE 7-11 (of sewer) (continued) LRU Right & Up 7-11 LRD Right & Down 7-11 LU UP 7-11 LD Down 7-11
A ACCESS POINT 7-13 AMH Manhole 7-13 AWA Wastewater Access 7-13 ADP Discharge Point 7-13 ATC Tee Connection 7-13	A ACCESS POINT (continued) 7-13 AOC Other Special Chamber 7-14 AM Meter 7-14 AWW Wet Well 7-14 AJB Junction Box 7-14	A ACCESS POINT (continued) 7-13 ACO Clean Out 7-14 ACOM -Mainline 7-14 ACOP -Property 7-14 ACOH -House 7-14	A ACCESS POINT (continued) 7-13 ACB Catch Basin 7-14 AEP End of Pipe 7-14			

Section 8—Miscellaneous Features Coding (Module 6D)

M MISC. FEATURES 8-1 MCU Camera Underwater 8-1 MGO General Observation 8-1 MGP General Photograph 8-1	M MISC. FEATURES (cont) 8-1 MSC Shape/Size Change 8-1 (Sewer Dims/Vertical/Horizontal) MJL Joint Length Change 8-1	M MISC. FEATURES (cont) 8-1 MLC Lining Change 8-1 MMC Material Change 8-2 MSA Survey Abandoned 8-2 MWL Water Level 8-2 MWLS -sag 8-2	M MISC. FEATURES (cont) 8-1 MWM Water Mark 8-2 MY Dye Test 8-2 MYV -Dye Visible 8-2 MYN -Not Visible 8-2
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