

# NDDOT APPROVED ABBREVIATIONS

D-20-1

<p>abn - abandoned                  abut - abutment                  ac - acres                  adj - adjusted                  aggr - aggregate                  ahd - ahead                  align - alignment                  al - alley                  alt - alternate                  alum - aluminum                  A - ampere                  &amp; - and                  appr - approach                  approx - approximate                  ACP - asbestos cement pipe                  asph - asphalt                  AC - asphalt cement                  a - at                  atten - attenuation                  Ave - Avenue                  avg - average                  ADT - average daily traffic                  az - azimuth                  bk - back                  BF - back face                  bs - backsight                  balc - balcony                  barr - barricade                  btry - battery                  brg - bearing                  BI - beehive inlet                  beg - begin                  BM - bench mark                  bkwy - bikeway                  bit - bituminous                  blk - block                  Bd Ft - board feet                  bk - back/back                  BH - bore hole                  BS - both sides                  Blvd - Boulevard                  bot - bottom                  bndry - boundary                  BC - brass cap                  brkwy - breakaway                  br - bridge                  bldg - building                  BLM - Bureau of Land Management                  BV - butterfly valve                  byp - bypass                  C Gdrl - cable guardrail                  calc - calculate                  cd - candle                  CIP - cast iron pipe                  CB - catch basin                  CRS - cationic rapid setting                  C G - cattle guard                  C to C - center to center                  CL or C - centerline                  cm - centimeter                  ch - chain                  Ch Bk - channel block                  Ch Ch - channel change                  chk - check                  cir - circle                  cl - class                  cl - clay                  Cl F - clay fill                  Cl Hvy - clay heavy                  Cl Lm - clay loam                  clr - clear                  Cl&amp;Gr - clearing &amp; grubbing                  Co S - coal slack                  comb - combination                  coml - commercial                  compr - compression                  CADD - computer aided drafting &amp; design                  conc - concrete                  cond - conductor                  const - construction                  cont - continuous                  contr - contraction/contractor                  CP - control point                  coord - coordinate                  cor - corner                  corr - corrected                  CAES - corrugated aluminum end section                  CAP - corrugated aluminum pipe                  CMES - corrugated metal end section                  CMP - corrugated metal pipe                  CPVCP - corrugated polyvinyl chloride pipe                  CSES - corrugated steel end section</p>	<p>CSP - corrugated steel pipe                  Co - County                  Ct - Court                  C - coulomb                  crse - course                  C Gr - course gravel                  CS - course sand                  XArm - cross arm                  XBuck - cross buck                  XSec - cross sections                  Xing - crossing                  crn - crown                  CF - cubic feet                  m3 - cubic meter                  m3/s - cubic meters per second                  CY - cubic yard                  CY/Mi - cubic yards per mile                  culv - culvert                  C&amp;G - curb &amp; gutter                  CI - curb inlet                  CR - curb ramp                  CS - curve to spiral                  c - cut                  Dd Ld - dead load                  defl - deflection                  defm - deformed                  deg (or D) - degree                  dlnt - delineate                  dlnt - delineator                  depr - depression                  desc - description                  det - detail                  dtr - detour                  dia - diameter                  dir - direction                  dist - distance                  DM - disturbed material                  DB - ditch block                  DG - ditch grade                  dbl - double                  dn - down                  drwg - drawing                  dr - drive                  drwy - driveway                  DI - drop inlet                  ea - each                  esmt - easement                  E - East                  elast - elastomeric                  elec - electrical                  EDM - electronic distance meter                  elev (or El) - elevation                  ellipt - elliptical                  emb - embankment                  emuls - emulsion/emulsified                  ES - end section                  engr - engineer                  eq - equal                  eq - equation                  exc - excavation                  exst - existing                  exp - expansion                  Expy - Expressway                  E - external of curve                  extru - extruded                  F - Fahrenheit                  F - farad                  FS - far side                  Fed - Federal                  FHWA - Federal Highway Administration                  FP - feed point                  ft - feet/foot                  fn - fence                  Fn P - fence post                  FO - fiber optic                  FB - field book                  FD - field drive                  f - fill                  FS - fine sand                  FH - fire hydrant                  fl - flange                  flrd - flared                  FES - flared end section                  F Bea - flashing beacon                  FL - flow line                  ftg - footing                  FM - force main                  fs - foresight                  fnd - found                  fdn - foundation                  frac - fractional                  frwy - freeway</p>	<p>frt - front                  FF - front face                  F Disp - fuel dispenser                  FFP - fuel filler pipes                  FLS - fuel leak sensors                  furn - furnished                  gal - gallon                  galv - galvanized                  Gs L - gas line                  Gs V - gas valve                  GVP - gas vent pipe                  GV - gate valve                  ga - gauge                  geod - geodetic                  GIS - Geographical Information System                  G - giga                  GPS - Global Positioning System                  grd - graded/grade                  gr - gravel                  grnd - ground                  GWM - ground water monitor                  gdrl - guardrail                  gtr - gutter                  H Plg - H piling                  hdwl - headwall                  ha - hectare                  ht - height                  HI - height or instrument                  hel - helical                  H - henry                  Hz - hertz                  HM - high mast                  HP - high pressure                  HPS - high pressure sodium                  hwy - highway                  h or hr - hour(s)                  hyd - hydrant                  id - identification                  in or " - inch                  ID - inside diameter                  inst - instrument                  intchg - interchange                  intmdt - intermediate                  intscn - intersection                  inv - invert                  I Pn - iron pin                  IP - iron pipe                  IM - iron monument                  jt - joint                  J - joule                  jct - junction                  K - kelvin                  kN - kilo newton                  kPa - kilo pascal                  kg - kilogram                  kg/m3 - kilogram per cubic meter                  km - kilometer                  K - Kip(s)                  LS - Land Surveyor (licensed)                  LSIT - Land Surveyor In Training                  ln - lane                  lat - latitude                  lt - left                  lens - lenses                  lvl - level                  LB - level book                  lvg - leveling                  lht - light                  LP - light pole                  lgt - lighting                  Lig Co - lignite coal                  Lig Sl - lignite slack                  LF - linear foot                  liq - liquid                  L - litre                  lm - loam                  LC - long chord                  long - longitude                  lp - loop                  LD - loop detector                  lm - lumen                  lum - luminaire                  L Sum - lump sum                  lx - lux                  ML - main line                  M Hr - man hour                  MH - manhole                  mkd - marked                  mkr - marker                  mkg - marking                  MA - mast Arm                  matl - material</p>	<p>max - maximum                  MC - meander corner                  meas - measure                  mdn - median                  MD - median drain                  MC - medium curing                  M - mega                  mer - meridian                  m - meter                  m/s - meters per second                  M - mid ordinate of curve                  mi - mile                  MM - mile marker                  MP - mile post                  mL - milliliter                  mm - millimeter                  mm/hr - millimeter per hour                  min - minimum                  misc - miscellaneous                  mon - monument                  mnd - mound                  mtbl - mountable                  mtd - mounted                  mtg - mounting                  mk - muck                  mun - municipal                  NDDOT-ND DEPT OF TRANSPORTATION                  n - nano                  NGS - National Geodetic Survey                  NS - near side                  neop - neoprene                  N - newton                  N - North                  NE - North East                  NW - North West                  No. or # - number                  obsc - obscure(d)                  obsn - observation                  occpd - occupied                  occpy - occupy                  Off Loc - office location                  o/s - offset                  orig - original                  O to O - out to out                  OD - outside diameter                  OH - overhead                  PMT - pad mounted transformer                  pg - pages                  pntd - painted                  pr - pair                  pnl - panel                  pk - park                  PK - Parker-Kalon nail                  Pa - pascal                  PSD - passing sight distance                  pvmt - pavement                  ped - pedestal/pedestrian                  PPP - pedestal pushbutton post                  pen - penetration                  perf - perforated                  per - perimeter                  PL - pipeline                  pl - place                  P&amp;P - plan and profile                  pl - plate                  pt - point                  PCC - point of compound curve                  PC - point of curve                  PI - point of intersection                  PRC - point of reverse curvature                  PT - point of tangent                  POC - point on curve                  POT - point on tangent                  PE - polyethylene                  PVC - polyvinyl chloride                  PCC - Portland Cement concrete                  # (or lb) - pound                  PP - power pole                  preempt - preemption                  prefab - prefabricated                  prfmd - preformed                  prep - preparation                  press - pressure                  PRV - pressure relief valve                  prest - prestressed                  pvt - private                  PD - private drive                  prod - production/produce                  prog - programmed                  prop - property                  Prop Ln - property line                  ppsd - proposed</p>	<p>PB - pull box                  qty - quantity                  qtr - quarter                  R (or rad) - radius                  RR - railroad                  rlwy - railway                  rsd - raised                  M - mega                  RTP - random travers point                  R (or rge) - range                  RC - rapid curing                  rec - record                  rcy - recycle                  RPCC - recycled Portland cement concrete                  ref - reference                  RM - reference monument                  refl - reflectorized                  RCB - reinforced concrete box                  RCES - reinforced concrete end section                  RCP - reinforced concrete pipe                  RCPS - reinforced concrete pipe sewer                  reinf - reinforcement                  res - reservation                  ret - retaining                  rev - reverse                  rt - right                  R/W - right of way                  riv - river                  rd - road                  rdbd - roadbed                  rdwy - roadway                  rk - rock                  rt (Rt) - route                  salv - salvaged                  sd - sand                  Sdy Cl - sandy clay                  Sdy Cl Lm - sandy clay loam                  Sdy Fl - sandy fill                  Sdy Lm - sandy loam                  san - sanitary sewer line                  sc - scoria                  sec - seconds/section                  SL - section line                  sep - separation                  seq - sequence                  serv - service                  sh - shale                  sht - sheet                  shng - sheeting                  shldr - shoulder                  sw - sidewalk                  S - siemens                  SD - sight distance                  sig - signal                  Si Cl - silt clay                  Si Lm - silt loam                  Si Cl Lm - silty clay loam                  sg - signal                  SC - slow curing                  SS - slow setting                  S - South                  SE - South East                  SW - South West                  sp - spaces                  spcl - special                  Std Specs - Standard Specifications                  SP - special provision                  spk - spike                  SC - spiral to curve                  ST - spiral to tangent                  SH - sprinkler head                  SV - sprinkler valve                  sq - square                  SF - square feet                  km2 - square kilometer                  m2 - square meter                  SY - square yard                  stk - stake                  std - standard                  sta - station                  Sta Yd - station yards                  Stm L - steam line                  SEC - steel encased concrete                  SSD - stopping sight distance                  SD - storm drain                  st - street                  SPP - structural plate pipe                  SPPA - structural plate pipe arch                  str - structure                  subd - subdivision                  sub - subgrade                  Sub Prep - subgrade preparation                  ss - subsoil</p>	<p>SE - superelevation                  SS - supplemental specification                  supp - supplemental                  surf - surfacing                  surv - survey                  SI - System International                  sym - symmetrical                  tan - tangent                  T - tangent (semi)                  TS - tangent to spiral                  tel - telephone                  Tel P - telephone pole                  tv - television                  TBM - temporary bench mark                  temp - temporary/temperature                  T - tesla                  T/Mi - tons per mile                  ts - topsoil                  T and TWP - township                  traf - traffic                  TSC - traffic signal controller                  tr - trail                  transf - transformer                  TB - transit book                  TI - transmission tower                  trans - transverse/transition                  trav - traverse                  TP - traverse point                  typ - typical                  trfd - treated                  trmt - treatment                  tpl - triple                  TP - turning point                  ugrnd - underground                  USC&amp;G - US Coast &amp; Geodetic Survey                  USGS - US Geologic Survey                  util - utility                  VG - valley gutter                  vap - vapor                  vert - vertical                  VC - vertical curve                  VCP - vitrified clay pipe                  vol - volt                  V - volume                  wkwy - walkway                  WGV - water gate valve                  WL - water line                  WM - water main                  WMV - water main valve                  WSV - water service valve                  W - watt                  wrng - wearing/wiring                  WB - weber                  W - West                  w/ - with                  w/o - without                  WC - witness corner                  WGS - World Geodetic System                  z - zenith</p>
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3-1-96	
DATE	REVISIONS
1-27-97	CHANGE
5-5-97	Cont and CPVCP Added Items

NORTH DAKOTA  
 DEPARTMENT OF TRANSPORTATION

APPROVED: DESIGN ENGINEER

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D-20-1

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begin                  BM - bench mark                  bkwy - bikeway                  bit - bituminous                  blk - block                  Bd Ft - board feet                  bk - book/back                  BH - bore hole                  BS - both sides                  Blvd - Boulevard                  bot - bottom                  bndry - boundary                  BC - brass cap                  brkwy - breakaway                  br - bridge                  bldg - building                  BLM - Bureau of Land Management                  BV - butterfly valve                  byp - bypass                  C Gdrl - cable guardrail                  calc - calculate                  cd - candle                  CIP - cast iron pipe                  CB - catch basin                  CRS - cationic rapid setting                  C Gd - cattle guard                  C to C - center to center                  CL or C - centerline                  cm - centimeter                  ch - 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dead load                  defl - deflection                  defm - deformed                  deg (or D) - degree                  dnt - delineate                  dlntr - delineator                  depr - depression                  desc - description                  det - detail                  dtr - detour                  dia - diameter                  dir - direction                  dist - distance                  DM - disturbed material                  DB - ditch block                  DG - ditch grade                  dbl - double                  dn - down                  drwg - drawing                  dr - drive                  drwy - driveway                  DI - drop inlet                  ea - each                  esmt - easement                  E - East                  elast - elastomeric                  elec - electrical                  EDM - electronic distance meter                  elev (or El) - elevation                  ellipt - elliptical                  emb - embankment                  emuls - emulsion/emulsified                  ES - end section                  engr - engineer                  eq - equal                  eq - equation                  exc - excavation                  exst - existing                  exp - expansion                  Expy - Expressway                  E - external of curve                  extru - extruded                  F - Fahrenheit                  F - farad                  FS - far side                  Fed - Federal                  FHWA - Federal Highway Administration                  FP - feed point                  ft - feet/foot                  fn - fence                  Fn P - fence post                  FO - fiber optic                  FB - field book                  FD - field drive                  f - fill                  FS - fine sand                  FH - fire hydrant                  fl - flange                  flrd - flared                  FES - flared end section                  F Bea - 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guardrail                  gtr - gutter                  H Plg - H piling                  hdwl - headwall                  ha - hectare                  ht - height                  HI - height or instrument                  hel - helical                  H - henry                  Hz - hertz                  HM - high mast                  HP - high pressure                  HPS - high pressure sodium                  hwy - highway                  h or hr - hour(s)                  hyd - hydrant                  id - identification                  in or " - inch                  ID - inside diameter                  inst - instrument                  intchg - interchange                  intmdt - intermediate                  intscn - intersection                  inv - invert                  I Pn - iron pin                  IP - iron pipe                  IM - iron monument                  jt - joint                  J - joule                  jct - junction                  K - kelvin                  KN - kilo newton                  kPa - kilo pascal                  kg - kilogram                  kg/m3 - kilogram per cubic meter                  km - kilometer                  K - Kip(s)                  LS - Land Surveyor (licensed)                  LSIT - Land Surveyor In Training                  ln - lane                  lat - latitude                  lt - left                  lens - lenses                  lvl - level                  LB - level book                  lvg - leveling                  lht - light                  LP - light pole                  lgt - lighting                  Lig Co - lignite coal                  Lig Sl - lignite slack                  LF - linear foot                  liq - liquid                  L - litre                  lm - loam                  LC - long chord                  long - longitude                  lp - loop                  LD - loop detector                  lm - lumen                  lum - luminaire                  L Sum - 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mountable                  mtd - mounted                  mtg - mounting                  mk - muck                  mun - municipal                  NDDOT-ND DEPT OF TRANSPORTATION                  n - nano                  NGS - National Geodetic Survey                  NS - near side                  neop - neoprene                  N - newton                  N - North                  NE - North East                  NW - North West                  No. or # - number                  obsc - obscure(d)                  obsn - observation                  occpd - occupied                  occpy - occupy                  Off Loc - office location                  o/s - offset                  orig - original                  O to O - out to out                  OD - outside diameter                  OH - overhead                  PMT - pad mounted transformer                  pg - pages                  pntd - painted                  pr - pair                  pnl - panel                  pk - park                  PK - Parker-Kalon nail                  Pa - pascal                  PSD - passing sight distance                  pvmt - pavement                  ped - pedestal/pedestrian                  PPP - pedestrian pushbutton post                  pen - penetration                  perf - perforated                  per - perimeter                  PL - pipeline                  pl - place                  P&amp;P - plan and profile                  pl - plate                  pt - point                  PCC - point of compound curve                  PC - point of curve                  PI - point of intersection                  PRC - point of reverse curvature                  PT - point of tangent                  POC - point on curve                  POT - point on tangent                  PE - polyethylene                  PVC - polyvinyl chloride                  PCC - Portland Cement concrete                  # (or lb) - pound                  PP - power pole                  preempt - preemption                  prefab - prefabricated                  prfmd - prefomed                  prep - preparation                  press - pressure                  PRV - pressure relief valve                  prest - prestressed                  prv - private                  PD - private drive                  prod - production/produce                  prog - programmed                  prop - property                  Prop Ln - property line                  ppsd - proposed</p>	<p>PB - pull box                  qty - quantity                  qtr - quarter                  R (or rad) - radius                  RR - railroad                  riwy - railway                  rsd - raised                  M - mega                  RTP - random travers point                  R (or rpd) - range                  RC - rapid curing                  rec - record                  rcy - recycle                  RPCC - recycled Portland cement concrete                  ref - reference                  RM - 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separation                  seq - sequence                  serv - service                  sh - shale                  sht - sheet                  shng - sheeting                  shldr - shoulder                  sw - sidewalk                  S - siemens                  SD - sight distance                  sig - signal                  Si Cl - silt clay                  Si Lm - silt loam                  Si Cl Lm - silty clay loam                  sigl - signal                  SC - slow curing                  SS - slow setting                  S - South                  SE - South East                  SW - South West                  sp - spaces                  spcl - special                  Std Specs - Standard Specifications                  SP - special provision                  spk - spike                  SC - spiral to curve                  ST - spiral to tangent                  SH - sprinkler head                  SV - sprinkler valve                  sq - square                  SF - 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US Geologic Survey                  util - utility                  VG - valley gutter                  vap - vapor                  vert - vertical                  VC - vertical curve                  VCP - vitrified clay pipe                  vol - volt                  V - volume                  wkwy - walkway                  WGV - water gate valve                  WL - water line                  WM - water main                  WMV - water main valve                  WSV - water service valve                  W - watt                  wrng - wearing/wiring                  WB - weber                  W - West                  w/ - with                  w/o - without                  WC - witness corner                  WGS - World Geodetic System                  z - zenith</p>
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3-1-96		NORTH DAKOTA DEPARTMENT OF TRANSPORTATION  APPROVED: DESIGN ENGINEER
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1-27-97	Cont and CPVCP	
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