

**GEOGRAPHIC DATA EXCHANGE CONSORTIUM**

**GEODEC**

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**Metropolitan Data Specifications:**

**Layering Scheme**

**Quarter-Section Numbering**

**Abbreviations**

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**GEODEC** members include:

Fargo, Moorhead, West Fargo, Dilworth, Cass County, Clay County, Cass County Electric Cooperative, and Fargo-Moorhead Metropolitan Council of Governments.

**GEOGRAPHIC DATA EXCHANGE CONSORTIUM**

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## **Metropolitan Data Specifications**

**June 1996**

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The contents of this document reflect the views of the authors, who are responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the policies of the state and federal Departments of Transportation.

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# GEOGRAPHIC DATA EXCHANGE CONSORTIUM

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## Metropolitan Data Specifications

Instructions for use of this handbook:

This handbook is divided into three sections relating to layering, quarter-section numbering, and abbreviations.

The layer naming scheme included is not intended to be all inclusive, but to provide users with a guideline to follow when creating new layer names. The example layer names included should meet many users needs. However, users should feel free to create their own layer names by following the enclosed protocol. The common categories, associated with the type of information included in each layer is an effort to standardize layer naming.

The quarter-section numbering is designed to provide various individuals with a way of coordinating file names and related data.

The abbreviations should be used when ever possible to ensure compatibility throughout all data sources in the area.

If you find errors in this handbook, or have any suggestions to improve it, please direct them to: GIS Coordinator, Metro COG, 1 N 2nd ST, Suite #232, Fargo, ND 58102. Please include your name, organization, mailing address and telephone number.

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**Metropolitan Data Specifications:**

## **Layering Scheme**

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## GEODEC LAYERING SCHEME

Category	Prefix	Description	Layer Name
Boundaries	BNDRY-	Annexation	BNDRY-ANNEX
Boundaries	BNDRY-	County	BNDRY-COUNTY
Boundaries	BNDRY-	Municipal	BNDRY-MUNIC
Boundaries	BNDRY-	¼ Section	BNDRY-QLINE
Boundaries	BNDRY-	¼ Section Numeration	BNDRY-QNUM
Boundaries	BNDRY-	Section	BNDRY-SECT
Boundaries	BNDRY-	State	BNDRY-STATE
Boundaries	BNDRY-	Townships	BNDRY-TOWN
Boundaries	BNDRY-	Annexation Text	BNDRY-TXT-ANNEX
Boundaries	BNDRY-	County Names	BNDRY-TXT-COUNTY
Boundaries	BNDRY-	Municipal Names	BNDRY-TXT-MUNIC
Boundaries	BNDRY-	Section Designation	BNDRY-TXT-SECT
Boundaries	BNDRY-	State Names	BNDRY-TXT-STATE
Boundaries	BNDRY-	Township Names and Designation	BNDRY-TXT-TOWN
Boundaries	BNDRY-	Urbanized Area	BNDRY-URBAN
Boundaries	BNDRY-		BNDRY-
Boundaries	BNDRY-		BNDRY-
Boundaries	BNDRY-		BNDRY-
Bus	BUS-	Dilworth Route	BUS-DIL
Bus	BUS-	Fargo Route 1	BUS-FGO-1
Bus	BUS-	Fargo Route 13	BUS-FGO-13
Bus	BUS-	Fargo Route 2	BUS-FGO-2
Bus	BUS-	Fargo Route 3	BUS-FGO-3
Bus	BUS-	Fargo Route 4	BUS-FGO-4
Bus	BUS-	Fargo Route 5	BUS-FGO-5
Bus	BUS-	Fargo Route 6	BUS-FGO-6
Bus	BUS-	Fargo Route 7	BUS-FGO-7
Bus	BUS-	Fargo Route 9	BUS-FGO-9
Bus	BUS-	Fargo West Acres Circulator	BUS-FGO-CIRC
Bus	BUS-	Fargo Evening Route	BUS-FGO-E
Bus	BUS-	Fargo Sunday Route	BUS-FGO-S

## GEODEC LAYERING SCHEME

Category	Prefix	Description	Layer Name
Bus	BUS-	Moorhead Route 1	BUS-MHD-1
Bus	BUS-	Moorhead Route 2	BUS-MHD-2
Bus	BUS-	Moorhead Route 3	BUS-MHD-3
Bus	BUS-	Moorhead Route 4	BUS-MHD-4
Bus	BUS-	Moorhead Route 5	BUS-MHD-5
Bus	BUS-	Moorhead Route 6	BUS-MHD-6
Bus	BUS-	Moorhead Evening Route - North	BUS-MHD-N
Bus	BUS-	Moorhead Evening Route - South	BUS-MHD-S
Bus	BUS-	West Fargo Route	BUS-WF
Bus	BUS-		BUS-
Bus	BUS-		BUS-
Bus	BUS-		BUS-
Census	CENSUS-	Census Blocks	CENSUS-BLK
Census	CENSUS-	Census Block Numbers	CENSUS-BLK-TXT
Census	CENSUS-	Census Tracts	CENSUS-TRACT
Census	CENSUS-	Census Tract Numbers	CENSUS-TRACT-TXT
Census	CENSUS-		CENSUS-
Census	CENSUS-		CENSUS-
Census	CENSUS-		CENSUS-
Hydrology	HYDRO-	Creeks	HYDRO-CREEK
Hydrology	HYDRO-	Dams	HYDRO-DAM
Hydrology	HYDRO-	Drainage Ditches	HYDRO-DRAIN
Hydrology	HYDRO-	100 Year Flood Plains	HYDRO-FLOOD100
Hydrology	HYDRO-	500 Year Flood Plains	HYDRO-FLOOD500
Hydrology	HYDRO-	Lagoons	HYDRO-LAGOON
Hydrology	HYDRO-	Ponds	HYDRO-POND
Hydrology	HYDRO-	Rivers	HYDRO-RIVER
Hydrology	HYDRO-	Streams	HYDRO-STREAM
Hydrology	HYDRO-	Creek Text	HYDRO-TXT-CREEK
Hydrology	HYDRO-	Drainage Ditch Designation Text	HYDRO-TXT-DRAIN
Hydrology	HYDRO-	Flood Plain Text	HYDRO-TXT-FLOOD
Hydrology	HYDRO-	Lagoon Text	HYDRO-TXT-LAGOON

## GEODEC LAYERING SCHEME

Category	Prefix	Description	Layer Name
Hydrology	HYDRO-	Pond Text	HYDRO-TXT-POND
Hydrology	HYDRO-	River Text	HYDRO-TXT-RIVER
Hydrology	HYDRO-	Stream Text	HYDRO-TXT-STREAM
Hydrology	HYDRO-	Wetland Names	HYDRO-TXT-WETLND
Hydrology	HYDRO-	Wetlands	HYDRO-WETLND
Hydrology	HYDRO-		HYDRO-
Hydrology	HYDRO-		HYDRO-
Hydrology	HYDRO-		HYDRO-
Miscellaneous	MISC-	Cemeteries	MISC-CEM
Miscellaneous	MISC-	Cemetery Text	MISC-CEM-TXT
Miscellaneous	MISC-	Churches	MISC-CHURCH
Miscellaneous	MISC-	Public Landfills	MISC-LANDFL
Miscellaneous	MISC-	Public Landfill Names	MISC-LANDFL-TXT
Miscellaneous	MISC-	Parks	MISC-PARK
Miscellaneous	MISC-	Parks Names	MISC-PARK-TXT
Miscellaneous	MISC-	Points of Interest	MISC-POI
Miscellaneous	MISC-	Points of Interest Text	MISC-POI-TXT
Miscellaneous	MISC-		MISC-
Miscellaneous	MISC-		MISC-
Miscellaneous	MISC-		MISC-
Monumentation	MON-	Bench Marks	MON-BENCH
Monumentation	MON-	Ground Control Coordinates	MON-GCONTROL
Monumentation	MON-	Ground Control Text	MON-GCONTROL-TXT
Monumentation	MON-	State Plane Grid	MON-GRID
Monumentation	MON-	Horizontal Control Points	MON-HCONTROL
Monumentation	MON-	Map References	MON-MAP-REF
Monumentation	MON-	¼ Section Corners	MON-QCORN
Monumentation	MON-	Section Corners	MON-SECTCORN
Monumentation	MON-	Total Control Points	MON-TCONTROL
Monumentation	MON-	Vertical Control Points	MON-VCONTROL
Monumentation	MON-		MON-

## GEODEC LAYERING SCHEME

Category	Prefix	Description	Layer Name
Monumentation	MON-		MON-
Monumentation	MON-		MON-
Plat Information	PLAT-	Street Addresses	PLAT-ADD-TXT
Plat Information	PLAT-	Block Text / Block Number	PLAT-BLK-TXT
Plat Information	PLAT-	Dedication Plat Boundaries	PLAT-DED
Plat Information	PLAT-	Dedication Plat Bearings	PLAT-DED-BEARS
Plat Information	PLAT-	Dedication Plat Dimensions	PLAT-DED-DIMS
Plat Information	PLAT-	Easement Right-of-Way	PLAT-EASE
Plat Information	PLAT-	Easement Information	PLAT-EASE-TXT
Plat Information	PLAT-	Lot Bearing	PLAT-LOT-BEAR
Plat Information	PLAT-	Lot Curve Information	PLAT-LOT-CURV
Plat Information	PLAT-	Lot Dimensions	PLAT-LOT-DIM
Plat Information	PLAT-	Lot Lines	PLAT-LOT-LINE
Plat Information	PLAT-	Lot Numbers	PLAT-LOT-TXT
Plat Information	PLAT-	Original Lot Bearing	PLAT-ORIG-BEAR
Plat Information	PLAT-	Original Lot Curve Information	PLAT-ORIG-CURV
Plat Information	PLAT-	Original Lot Dimensions	PLAT-ORIG-DIM
Plat Information	PLAT-	Original Lot Lines	PLAT-ORIG-LINE
Plat Information	PLAT-	Original Lot Numbers	PLAT-ORIG-TXT
Plat Information	PLAT-	Parcel Bearing	PLAT-PAR-BEAR
Plat Information	PLAT-	Parcel Curve Information	PLAT-PAR-CURV
Plat Information	PLAT-	Parcel Dimension	PLAT-PAR-DIM
Plat Information	PLAT-	Parcel Number	PLAT-PAR-ID
Plat Information	PLAT-	Parcel Line	PLAT-PAR-LINE
Plat Information	PLAT-	Parcel Text / Information	PLAT-PAR-TXT
Plat Information	PLAT-	Subdivision Boundary Addition Boundary	PLAT-SUB
Plat Information	PLAT-	Subdivision Name / Addition Name	PLAT-SUB-TXT
Plat Information	PLAT-	Vacations	PLAT-VAC
Plat Information	PLAT-		PLAT-
Plat Information	PLAT-		PLAT-
Plat Information	PLAT-		PLAT-



## GEODEC LAYERING SCHEME

Category	Prefix	Description	Layer Name
Presentation	PRE-	Copyright Information	PRE-COPYRITE
Presentation	PRE-	Map Legend	PRE-LEGEND
Presentation	PRE-	Map Scale Bar	PRE-LEGEND-SCALE
Presentation	PRE-	Plot Information	PRE-PLOT
Presentation	PRE-		PRE-
Presentation	PRE-		PRE-
Presentation	PRE-		PRE-
Railroads	RR-	Bridges	RR-BRIDGE
Railroads	RR-	Railroad Tracks	RR-TRACK
Railroads	RR-	Railroad Names	RR-TXT
Railroads	RR-		RR-
Railroads	RR-		RR-
Railroads	RR-		RR-
Right of Ways	ROW-	County Roads	ROW-CNTY
Right of Ways	ROW-	Collectors	ROW-COLL
Right of Ways	ROW-	Ditches	ROW-DRAIN
Right of Ways	ROW-	City Streets	ROW-LOCAL
Right of Ways	ROW-	Minor Arterial	ROW-MINR
Right of Ways	ROW-	Principal Arterial	ROW-PRIN
Right of Ways	ROW-	Railroads	ROW-RR
Right of Ways	ROW-	Township Roads	ROW-TOWN
Right of Ways	ROW-		ROW-
Right of Ways	ROW-		ROW-
Right of Ways	ROW-		ROW-
Roads	ROAD-	Asphalt Alley	ROAD-ALLEY-ASPH
Roads	ROAD-	Concrete Alley	ROAD-ALLEY-CONC
Roads	ROAD-	Unpaved Alley	ROAD-ALLEY-UNPAVED
Roads	ROAD-	Asphalt Surfaced Road	ROAD-ASPH
Roads	ROAD-	Bridges	ROAD-BRIDGE
Roads	ROAD-	Alley Centerline	ROAD-CL-ALLEY
Roads	ROAD-	County Road Centerline	ROAD-CL-CNTY
Roads	ROAD-	Collector Centerline	ROAD-CL-COLL

## GEODEC LAYERING SCHEME

<b>Category</b>	<b>Prefix</b>	<b>Description</b>	<b>Layer Name</b>
Roads	ROAD-	City Street Centerline	ROAD-CL-LOCAL
Roads	ROAD-	Minor Arterial Centerline	ROAD-CL-MINR
Roads	ROAD-	National Highway System Routes	ROAD-CL-NHS
Roads	ROAD-	Principal Arterial Centerline	ROAD-CL-PRIN
Roads	ROAD-	Township Road Centerline	ROAD-CL-TOWN
Roads	ROAD-	Concrete Surfaced Road	ROAD-CONC
Roads	ROAD-	Curb & Gutter / Pavement Section	ROAD-CURB
Roads	ROAD-	Bridge Designations	ROAD-TXT-BRIDGE
Roads	ROAD-	County Road Names	ROAD-TXT-CNTY
Roads	ROAD-	Collector Names	ROAD-TXT-COLL
Roads	ROAD-	City Street Names	ROAD-TXT-LOCAL
Roads	ROAD-	Minor Arterial Names	ROAD-TXT-MINR
Roads	ROAD-	National Highway System Text	ROAD-TXT-NHS
Roads	ROAD-	Principal Arterial Names	ROAD-TXT-PRIN
Roads	ROAD-	Township Road Names	ROAD-TXT-TOWN
Roads	ROAD-	Unpaved Road	ROAD-UNPAV
Roads	ROAD-		ROAD-
Roads	ROAD-		ROAD-
Roads	ROAD-		ROAD-
School	SCH-	School District Boundaries	SCH-DIST
School	SCH-	School District Names	SCH-DIST-TXT
School	SCH-	Schools	SCH-SITE
School	SCH-	School Names	SCH-SITE-TXT
School	SCH-		SCH-
School	SCH-		SCH-
School	SCH-		SCH-
Structures	STRUC-	Buildings	STRUC-BLDG
Structures	STRUC-	Building Text	STRUC-BLDG-TXT
Structures	STRUC-	Radio Towers	STRUC-TOWER
Structures	STRUC-		STRUC-
Structures	STRUC-		STRUC-

## GEODEC LAYERING SCHEME

Category	Prefix	Description	Layer Name
Structures	STRUC-		STRUC-
Topography	TOPO-	Contour Elevation Label	TOPO-CONT-TXT
Topography	TOPO-	Fences	TOPO-FENCE
Topography	TOPO-	Approximate Index Contour	TOPO-INDAPPROX
Topography	TOPO-	Index Contour	TOPO-INDCONT
Topography	TOPO-	Approximate Intermediate Contour	TOPO-INTAPPROX
Topography	TOPO-	Intermediate Contour	TOPO-INTCONT
Topography	TOPO-	Plan Data	TOPO-PLAN
Topography	TOPO-	Spot Elevation Symbol	TOPO-SPOT
Topography	TOPO-	Vegetation	TOPO-VEG
Topography	TOPO-	Walls	TOPO-WALL
Topography	TOPO-		TOPO-
Topography	TOPO-		TOPO-
Topography	TOPO-		TOPO-
Traffic Info	TRAF-	Accident Nodes	TRAF-ACCIDENT
Traffic Info	TRAF-	Traffic Volumes	TRAF-COUNT
Traffic Info	TRAF-	Screen Lines	TRAF-SCREEN
Traffic Info	TRAF-	Signs	TRAF-SIGN
Traffic Info	TRAF-	Traffic Analysis Zones	TRAF-TAZ
Traffic Info	TRAF-	Traffic Analysis Zone Numbers	TRAF-TAZ-TXT
Traffic Info	TRAF-		TRAF-
Traffic Info	TRAF-		TRAF-
Traffic Info	TRAF-		TRAF-
Transportation Facilities	TRAN-	Airports	TRAN-AIRP
Transportation Facilities	TRAN-	Airport Names	TRAN-AIRP-TXT
Transportation Facilities	TRAN-	Bike Path	TRAN-BIKE-C1
Transportation Facilities	TRAN-	Bike Lane	TRAN-BIKE-C2
Transportation Facilities	TRAN-	Bike Route	TRAN-BIKE-C3
Transportation Facilities	TRAN-	Driveway Centerline	TRAN-DRWY-CL
Transportation Facilities	TRAN-	Driveway Surface Type Concrete	TRAN-DRWY-CONC
Transportation Facilities	TRAN-	Driveway Surface Type Asphalt	TRAN-DRWY-ASPH
Transportation Facilities	TRAN-	Driveway Surface Type Unpaved	TRAN-DRWY-UNPAV

## GEODEC LAYERING SCHEME

Category	Prefix	Description	Layer Name
Transportation Facilities	TRAN-	Sidewalks	TRAN-SW
Transportation Facilities	TRAN-		TRAN-
Transportation Facilities	TRAN-		TRAN-
Transportation Facilities	TRAN-		TRAN-
Utilities	UTIL-	Electricity	UTIL-EL
Utilities	UTIL-	Overhead Electrical Line	UTIL-EL-OH
Utilities	UTIL-	Electrical Power Pole	UTIL-EL-OH-PP
Utilities	UTIL-	Underground Electrical Line	UTIL-EL-UG
Utilities	UTIL-	Underground Electrical Fixture	UTIL-EL-UG-FIXT
Utilities	UTIL-	Underground Gas Pipe	UTIL-GAS-UG
Utilities	UTIL-	Petroleum Pipelines	UTIL-PIPELINE
Utilities	UTIL-	Petroleum Pipelines Text	UTIL-PIPELINE-TXT
Utilities	UTIL-	Sanitary Sewer	UTIL-SAN
Utilities	UTIL-	Storm Sewer	UTIL-STS
Utilities	UTIL-	Telephone	UTIL-TE
Utilities	UTIL-	Overhead Telephone Line	UTIL-TE-OH
Utilities	UTIL-	Underground Telephone Cable	UTIL-TE-UG
Utilities	UTIL-	Underground Telephone Fiber Optic Line	UTIL-TE-UG-FO
Utilities	UTIL-	Cable Television	UTIL-TV
Utilities	UTIL-	Overhead Cable Television Line	UTIL-TV-OH
Utilities	UTIL-	Underground Cable Television Line	UTIL-TV-UG
Utilities	UTIL-	Water Mains	UTIL-WM
Utilities	UTIL-	Fire Hydrants	UTIL-WM-FIRE
Utilities	UTIL-		UTIL-
Utilities	UTIL-		UTIL-
Utilities	UTIL-		UTIL-
Voting	VOTE-	Precinct Boundaries	VOTE-PREC
Voting	VOTE-	Precinct Text	VOTE-PREC-TXT
Voting	VOTE-	Ward Boundaries	VOTE-WARD
Voting	VOTE-	Ward Text	VOTE-WARD-TXT
Voting	VOTE-		VOTE-

<b>GEODEC LAYERING SCHEME</b>			
<b>Category</b>	<b>Prefix</b>	<b>Description</b>	<b>Layer Name</b>
Voting	VOTE-		VOTE-
Voting	VOTE-		VOTE-
Zoning	ZONE-	Zoning Boundaries	ZONE-BNDRY
Zoning	ZONE-	Zoning Districts	ZONE-DIST
Zoning	ZONE-	Zoning Text	ZONE-TXT
Zoning	ZONE-		ZONE-
Zoning	ZONE-		ZONE-
Zoning	ZONE-		ZONE-
911	911-	911 Addressing	911-ADDRESS
911	911-	Ambulance Response Zones	911-AMBUL
911	911-	Ambulance Response Zone Text	911-AMBUL-TXT
911	911-	Fire Department Response Zones	911-FIRE
911	911-	Fire Department Response Zone Text	911-FIRE-TXT
911	911-	911 Emergency Response Zones	911-ZONE
911	911-	911 Emergency Response Zone Text	911-ZONE-TXT
911	911-		911-
911	911-		911-
911	911-		911-
Miscellaneous User Defined Information	ZZ-	Task Specific Information not Intended for Circulation, Presentation and/or Sharing	ZZ-
Miscellaneous User Defined Information	ZZ-		ZZ-
Miscellaneous User Defined Information	ZZ-		ZZ-
Miscellaneous User Defined Information	ZZ-		ZZ-

## **GEODEC LAYERING SCHEME PROTOCOL**

☞ Layer names will begin with a prefix depicting the appropriate category of the

information contained in that layer

- ☞ Layers containing primarily text or numerical information shall contain the abbreviation “TXT”
- ☞ Layers containing primarily centerline information may contain the abbreviation “CL”
- ☞ Prefixes and Suffixes will be separated by dashes “-”

## GEODEC LAYERING SCHEME PROTOCOL

<b>Category</b>	<b>Prefix</b>	<b>Description</b>	<b>Layer Name Starts With:</b>
Boundaries	BNDRY-	Jurisdictional Boundaries	BNDRY-
Census	CENSUS-	Census Related Features	CENSUS-
Hydrology	HYDRO-	Water Features	HYDRO-
Miscellaneous	MISC-	Misc. Map Information	MISC-
Monumentation	MON-	Control Information	MON-
Plat Information	PLAT-	Plat Related Information	PLAT-
Presentation	PRE-	Presentation Information	PRE-
Railroads	RR-	Railroad Features	RR-
Right-of-Ways	ROW-	Right-of-Ways	ROW-
Roads	ROAD-	Roadway Center lines and Text	ROAD-
School	SCH-	School Related Information	SCH-
Structures	STRUC-	Structure Features	STRUC-
Topography	TOPO-	Contour Information	TOPO-
Traffic Info	TRAF-	Traffic Related Information	TRAF-
Transit	BUS-	Transit Information	BUS-
Transportation Facilities	TRAN-	Transportation Facilities	TRAN-
Utilities	UTIL-	Utility Features	UTIL-
Voting	VOTE-	Voting Area Information	VOTE-
Zoning	ZONE-	Zoning Information	ZONE-
911	911-	911 Emergency Response Information	911-
Miscellaneous User Defined Information	ZZ-	Task Specific Information not Intended for Circulation, Presentation and/or Sharing	ZZ-
<b>Category</b>	<b>Abbreviation</b>	<b>Description</b>	<b>Layer Name Includes:</b>
Text	TXT	Layers containing primarily text information	-TXT-
Centerline	CL	Layers containing primarily center lines	-CL-

- ☞ Layer names will begin with a prefix depicting the appropriate category of the information contained in that layer
- ☞ Layers containing primarily text or numerical information shall contain the abbreviation "TXT"

- ☞ Layers containing primarily centerline information may contain the abbreviation “CL”
- ☞ Prefixes and Suffixes will be separated by dashes “-”



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**Quarter-Section Numbering**

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**GEODEC** members include:

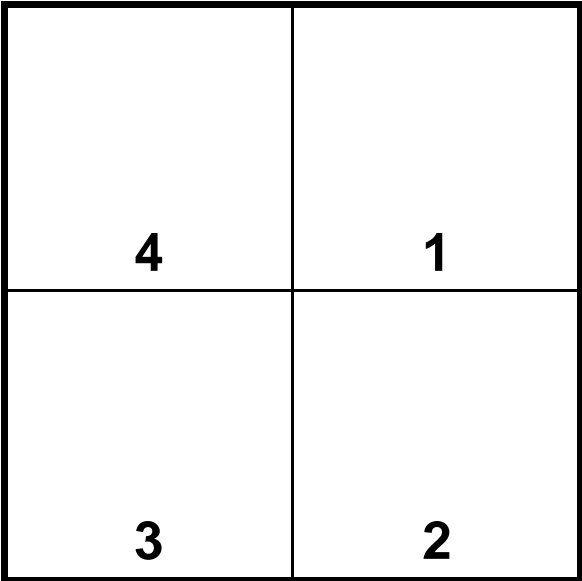
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# GEODEC Quarter-Section Numbering

North Dakota Townships	Township & Range
Berlin	141-50
Harwood	141-49
Raymond	140-50
Reed	140-49
Fargo	140-48
Mapleton	139-50
Barnes	139-49
Barnes	139-48
Warren	138-50
Stanley	138-49
Stanley	138-48

Minnesota Townships	Township & Range
Kragnes	141-48
Morken	141-47
Oakport	140-48
Moland	140-47
Moorhead	139-48
Glyndon	139-47
Kurtz	138-48
Elmwood	138-47

Quarter Sections



Abbreviated: Township - Range - Section - Quarter Section  
Example: Elmwood Township, Section Six, SE $\frac{1}{4}$  = 13847062

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## **Abbreviations**

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# GEODEC Abbreviations

<b>A</b>	
abandoned	abn
abutment	abut
acres	ac
adjusted	adj
aggregate	aggr
ahead	ahd
Air Force Base	AFB
airfield	a fld
airpark	apr k
airport	arpt
airstrip	astrp
and	&
alley	ALY
alignment	align
alternate	alt
aluminum	alum
ampere	A
apartment	APT
approach	appr
approximate	approx
arcade	ARC
asbestos cement pipe	ACP
asphalt	asph
asphalt cement	AC
at	@
attenuation	atten
avenue	AVE
average	avg
average daily traffic	ADT
azimuth	az
<b>B</b>	
back	bk
backsight	bs

# GEODEC Abbreviations

balcony	balc
bank	bnk
barricade	barr
basin	basn
battery	btry
bayou	BYU
bearing	bear
beehive inlet	BI
begin	beg
bench mark	BM
BIA highway	BIAHy
BIA road	BIARd
BIA Route	BIARt
bikeway	bkwy
bituminous	bit
block	blk
bluff	BLF
board feet	Bd Ft
book / back	bk
borehole	BH
boulevard	BLD
boundary	bndry
box	BX
branch	BR
brass cap	BC
breakaway	brkwy
bridge	BRG
broadway	BDWY
brook	BRK
building	bldg
Bureau of Land Management	BLM
business route	bus
butterfly valve	BV
bypass	BYP
<b>C</b>	

# GEODEC Abbreviations

cable guardrail	C Gdrl
calculate	calc
camp	CP
campground	cmpgr
canal	can
canyon	CYN
candela	cd
Cass County	Cass
Cass County Electric Cooperative	CCEC
cast iron pipe	CIP
catch basin	CB
cationic rapid setting	CRS
cattle guard	C Gd
causeway	CSWY
cemetery	cem
center	CTR
centerline	CL
center to center	C to C
centimeter	cm
chain	ch
channel	chan
channel block	Ch Blk
channel change	Ch Ch
chapel	chapel
check	chk
church	church
circle	CIR
class	cl
Clay County	Clay
clear	clr
clearing & grubbing	Cl&Gr
cliff	CLFS
club	CLB
coal slack	CI S

# GEODEC Abbreviations

college	clg
combination	comb
Commercial	coml
compression	compr
computer aided drafting & design	CADD
concrete	conc
condominium	condo
conductor	cond
construction	const
contraction/contractor	contr
control	cont
control point	CP
convent	cnvt
coordinate	coord
corner	cor
corrected	corr
corrugated aluminum end section	CAES
corrugated aluminum pipe	CAP
corrugated metal end section	CMES
corrugated metal pipe	CMP
corrugated steel pipe	CSP
corrugated steel end section	CSES
coulee	coul
coulomb	C
country club	CC
County	CO
county highway	CoHwy
county home	CoHm
county lane	CoLn
county loop	CoLp
county road	CoRd
county route	CoRt
county spur	CoSpr
course	crse
course gravel	C Gr



# GEODEC Abbreviations

course sand	CS
Court	CT
courthouse	cthse
cove	CV
crater	crtr
creek	CRK
crescent	CRES
cross arm	Xarm
cross buck	Xbuck
crossing	XING
cross sections	Xsec
crown	crn
cubic feet	CF
cubic meter	m <sup>3</sup>
cubic meters per second	m <sup>3</sup> /s
cubic yard	CY
cubic yards per mile	CY/Mi
culvert	culv
curb ramp	CR
curb inlet	CI
curve to spiral	CS
curb & gutter	C&G
cut	c
<b>D</b>	
dam	DM
dead load	Dd Ld
deflection	defl
deformed	defm
degree	deg (or D)
delineate	dlnt
delineator	dlntr
depot	dpo
depression	depr
description	desc

# GEODEC Abbreviations

detail	det
detention center	DtCtr
detour	dtr
diameter	dia
Dilworth	DIL
direction	dir
distance	dist
disturbed material	DM
ditch	dit
ditch block	DB
ditch grade	DG
divide	DV
dormitory	dorm
double	dbl
down	dn
drain	drn
draw	draw
drive	DR
driveway	drwy
drip inlet	DI
<b>E</b>	
each	ea
easement	esmt
East	E
electrical	elec
electronic distance meter	EDM
elevation	elev (or El)
elliptical	ellipt
embankment	emb
emergency road	EmRd
emulsion/emulsified	emuls
end section	ES
engineer	enr
equation	eq
escarpment	escrp

# GEODEC Abbreviations

estuary	est
excavation	exc
existing	exst
expansion	exp
Expressway	EXPY
extended	extd
extension	EXT
external of curve	e
extruded	extru
<b>F</b>	
Fahrenheit	F
fairgrounds	fgrnd
falls	FLS
farad	F
Fargo	FGO
Fargo-Moorhead	F-M
Fargo-Moorhead Metropolitan Council of Governments	Metro COG
farm road	FmRd
Farm-to-market road	FM
Federal	Fed
Federal Highway Administration	FHWA
Federal Penitentiary	FdPn
feed point	FP
fence	fn
fence line	fen
fence post	Fn P
feet / foot	ft
ferry crossing	FRY
fiber optic	FO
field	FLD
field book	FB
field drive	FD
fill	f
fine sand	FS

# GEODEC Abbreviations

fire control road	FCRd
fire district road	FDRd
fire hydrant	FH
fire road	FRRd
fire route	FRRte
fire trail	FRTrl
flared	flrd
flared end section	FES
flashing beacon	F Bcn
floodway	fldwy
flowage	flow
flow line	FL
flume	flm
footing	ftg
force main	FM
foresight	fs
forest	FRST
forest highway	ForHy
forest road	ForRd
forest route	ForRt
forest service road	FSRd
fork	FRK
fort	FT
found	fnd
foundation	fdn
four-wheel drive trail	4WD
fractional	frac
fraternity	frat
freeway	FWY
fuel filler pipes	FFP
fuel leak sensor	FLS
fuel dispenser	F Disp
furnished	furn
<b>G</b>	

# GEODEC Abbreviations

gallon	gal
galvanized	galv
garden	GDN
gas line	Gs L
gas valve	Gs V
gate valve	GV
gas vent pipe	GVP
gauge	ga
geodetic	geod
Geographic Information System	GIS
giga	G
Global Positioning System	GPS
golf course	GC
graded/grade	grd
gravel	gr
gravel pit	GrPt
ground	grnd
ground water monitor	GWM
guardrail	gdrl
gulch	gl
gulf	glf
gully	gully
gutter	gtr
<b>H</b>	
harbor	HBR
headquarters	HQ
headwall	hdwl
hectare	ha
height	ht
heights	HTS
height of instrument	HI
helical	hel
henry	H
hertz	Hz
high mast	HM

# GEODEC Abbreviations

high pressure	HP
high pressure sodium	HPS
high school	HS
highway	HWY
hill	HL
hollow	HOLW
horizontal	hor
hospital	hosp
hotel	htl
hour(s)	hr
H piling	H Plg
hydrant	hyd
<b>I</b>	
identification	id
inch	in or “
indian route	IndRt
indian service route	IndSR
industrial center	IndC
industrial park	IPrk
inlet	INLT
inn	inn
inside diameter	ID
institute	inst
institution	instn
instrument	inst
interchange	intchg
intermediate	intmdt
intersection	intscn
interstate highway	I
invert	inv
iron monument	IM
iron Pipe	IP
iron Pin	I Pn
isla	is

# GEODEC Abbreviations

island	IS
islands	ISS
<b>J</b>	
jail	jl
jeep trail	jeep trl
joint	jt
joule	J
junction	jct
<b>K</b>	
kelvin	k
kilogram	kg
kilogram per cubic meter	kg/m <sup>3</sup>
kilometer	km
kilo newton	kN
kilo Pascal	kPa
Kip(s)	K
<b>L</b>	
lagoon	lag
Land Surveyor (licensed)	LS
Land Surveyor In Training	LSIT
lake	LK
lane	LN
lateral	ltrl
latitude	lat
left	lt
length of curve	l
lenses	lens
level	lvl
levee	lv
level book	LB
leveling	lvlng
light	lht
lighthouse	lh
lighting	ltg

# GEODEC Abbreviations

light pole	LP
line	line
linear foot	LF
liquid	liq
liter	L
logging road	LdRd
long chord	LC
longitude	long.
Loop	LOOP
loop detector	LD
lumen	lm
luminaire	lum
lump sum	L Sum
lux	lx
<b>M</b>	
mall	MALL
manhole	MH
main line	ML
man hour	M Hr
marina	mrna
marked	mkd
marker	mkr
marking	mkg
marsh	mrsh
mast arm	MA
material	matl
maximum	max
meander corner	MC
measure	meas
median	mdn
median drain	MD
Medical building	MdBlg
Medical center	MdCtr
medium curing	MC
mega	M



# GEODEC Abbreviations

meridian	mer
meter	m
meters per second	m/s
mid ordinate of curve	M
miscellaneous	misc
mile	mi
milliliter	mL
millimeter	mm
millimeters per hour	mm/hr
millpond	mlpd
minimum	min
mission	MSN
MN Department of Transportation	MnDOT
monastery	mony
monument	mon
Moorhead	MHD
motel	mtl
motorway	mtwy
mound	mnd
mount	MT
mountain	MTN
mounted	mtd
mounting	mtg
mountable	mtbl
municipal	mun
<b>N</b>	
nano	n
National Battlefield	NB
National Battlefield Park	NBP
National Battlefield Site	NBS
National Conservation Area	NCA
National Forest	NF
National Forest Develop Road	NFD
National Geodetic Survey	NGS

# GEODEC Abbreviations

National Forest Highway	NFHwy
National Grassland	NG
National Historic Site	NHS
National Historical Park	NHP
National Lakeshore	NLksh
National Memorial	NMem
National Military Park	NMP
National Monument	NMon
National Park	NP
National Preserve	NPrsv
National Recreation Area	NRA
National Recreational River	NRR
National Reserve	NRsv
National River	NRvr
National Scenic Area	NSA
National Scenic River	NSR
National Scenic Riverway	NSR
National Scenic Trail	NST
National Seashore	NS
National Wildlife Refuge	NWR
ND Department of Transportation	NDDOT
newton	N
North	N
North East	NE
North West	NW
number	No. Or #
nursing home	NrsHm
<b>O</b>	
ocean	O
office building	OfBlg
office center	OfCtr
office park	OfPrk
offset	o/s
obscure(d)	obsc
observation	obsn

# GEODEC Abbreviations

occupy	ocpy
occupied	ocpd
office location	Off Loc
orphanage	orph
original	orig
outlet	outlt
outside diameter	OD
out to out	O to O
overhead	OH
overpass	ovps
<b>P</b>	
pad mounted transformer	PMT
pages	pg
painted	pntd
pair	pr
panel	pnl
Parish road	ParRd
park	PARK
Parker-Kalon nail	PK
parkway	PKY
Pascal	Pa
pass	PASS
passage	pas
passing sight distance	PSD
path	PATH
pavement	pvmt
peak	pek
pedestal/pedestrian	ped
pedestrian push-button post	PPP
penetration	pen.
Perforated	perf
perimeter	per.
pike	PIKE
pipeline	pipe

# GEODEC Abbreviations

place	PL
plan & profile	P&P
plaza	PLZ
polyvinyl chloride	PVC
point	PT
point of compound curve	PCC
point of curve	PC
point on curve	POC
point of intersection	PI
point of reverse curvature	PRC
point of tangent	PT
point on tangent	POT
polyethylene	PE
pond	pd
port	PRT
Portland Cement concrete	PCC
pounds	# (or lb)
power line	PwrLn
power pole	PP
prairie	PR
preemption	preempt
prefabricated	prefab
preformed	prfmd
preparation	prep
preserve	prsv
pressure	prep
pressure	press.
pressure relief valve	PRV
prison	prsn
production/produce	prod.
programmed	prog
private	pvt
private drive	PD
property	prop.
property line	Prop Ln

# GEODEC Abbreviations

proposed	ppsd
pull box	PB
<b>Q</b>	
quantity	qty
quarry	qry
quarter	qtr
<b>R</b>	
race	rc
radius	R (or rad)
rail	r
railroad	RR
railway	ry
raised	rsd
ramp	rmp
ranch road	ranch rd
ranch to market road	rm
random traverse point	
range	R (or rge)
rapid curing	Rc
rapids	RPDS
ravine	rav
record	rec
recycle	rcy
recycled Portland cement concrete	RPCC
reference	ref
reference monument	RM
reflectorized	refl
reformatory	raf
refuge	rfg
reinforcement	reinf
reinforced concrete box	RCB
reinforced concrete pipe sewer	RCPS
reinforced concrete end section	RCES
reinforced concrete pipe	RCP

# GEODEC Abbreviations

reservation	res
reservation highway	ResHy
reserve	rsv
reservoir	rsvr
resort	rsrt
retaining	ret
reverse	rev
ridge	RDG
right	rt
right of way	ROW
river	RIV
road	RD
road bed	rdbd
roadway	rdwy
rock	rk
rooming house	RmHse
route	trt
rural route	r rte
ruta	ruta
<b>S</b>	
salvage(d)	salv
sanatorium	sanat
sand	s
sanitarium	sanit
sanitary sewer line	san
school	sch
sea	sea
seashore	seash
seconds/section	sec
section line	SL
seminary	sem
separation	sep
sequence	seq
service	serv
service road	SrvRd

# GEODEC Abbreviations

service route	SvRte
shale	sh
sheet	sht
sheeting	shtng
shelter	shlr
shoal	SHL
shopping center	SC
shopping mall	SM
shopping mart	SMt
shopping plaza	SP
shopping square	SS
shoulder	shldr
sidewalk	sw
siemens	S
sight distance	SD
signal	sig
silt Clay	Si Cl
single	sgl
skyway	skwy
slough	sd
slow curing	SC
slow setting	SS
sonda	sonda
sorority	sor
sound	SD
South	S
South East	SE
South West	SW
special	spcl
special provisions	SP
speedway	spdwy
spike	spk
spiral to curve	SC
spiral to tangent	ST

# GEODEC Abbreviations

spring	SPG
sprinkler head	SH
sprinkler valve	SV
spur	SPUR
square	SQ
square feet	SF
square kilometer	km <sup>2</sup>
square meter	m <sup>2</sup>
square yard	SY
stake	stk
standard	std
Standard Specifications	Std Specs
State Forest Serv Road	StFSR
State Highway	StHwy
State Link	StLk
State Loop	StLp
State Road	StRd
State Route	SR
State Service Road	StSvR
State Spur	StSpr
station	STA
station yards	Sta Yd
steam line	Stm L
steel encased concrete	SEC
stopping sight distance	SSD
storm drain	SD
strait	strt
stream	STRM
street	ST
strip	strp
structure	str
structural plate pipe	SPP
structural plate pipe arch	SPPA
subdivision	subd
subgrade	sub



# GEODEC Abbreviations

subgrade preparation	Sub Prep
subsoil	ss
super elevation	SE
supplement specification	SS
supplemental	supp
surfacing	surf
survey	surv
swamp	swp
Systems International	SI
<b>T</b>	
tangent	tan
tangent (semi)	T
tangent to spiral	TS
tank	tk
tank trail	TkTrl
telephone	tel
telephone pole	Tel P
television	tv
temporary / temperature	temp
temporary bench mark	TBM
terminal	term
terrace	TER
tesla	T
text	TXT
thoroughfare	thfr
throughway	thwy
tons per mile	T/Mi
topsoil	ts
tower	twr
town highway	TwnHy
town road	TwnRd
township	T and TWP
township highway	TwpHy
township road	TwnRd

# GEODEC Abbreviations

traffic	traf
traffic signal controller	TSC
trafficway	TRFY
trail	TRL
trailer	TRLR
trailer park	TrlPk
transformer	transf
transit book	TB
transmission tower	TT
transverse/transition	trans
traverse	trav
traverse point	TP
treated	trtd
treatment	trmt
tributary	trib
triple	tpl
tunnel	TUNL
turning point	TP
turnpike	TPKE
<b>U</b>	
underground	ug
underpass	unp
United States Highway	USHwy
United States Loop	USLp
United States Route	USRte
university	univ
unnamed road	UnRd
US Coast & Geodetic Survey	USC&G
US Geologic Survey	USGS
US Forest Service Road	USFSR
utility	util
<b>V</b>	
valley	VLV
valley gutter	VG
vapor	vap

# GEODEC Abbreviations

vertical	vert
vertical curve	VC
village	VLG
vitrified clay pipe	VCP
volt	V
volume	vol
<b>W</b>	
walk	WALK
walkway	wkwy
wall	wl
wash	ws
water line	WL
water main	WM
water main valve	WMV
water gate valve	WGV
waterway	wwy
watt	W
way	WAY
wearing/wiring	wrng
Weber	Wb
West	W
West Fargo	WF
Wetland Mgmt District	WMD
wharf	whf
Wild River	WldR
Wild and Scenic River	W&SR
Wildlife Mgmt Area	WMA
with	w/
without	w/o
witness corner	WC
World Geodetic System	WGS
<b>Y</b>	
yard	yd
<b>Z</b>	

# GEODEC Abbreviations

zenith	z
<b>States &amp; Territories</b>	
Alabama	AL
Alaska	AK
American Samoa	AS
Arizona	AZ
Arkansas	AR
California	CA
Colorado	CO
Connecticut	CT
Delaware	DE
District of Columbia	DC
Federated States of Micronesia	FM
Florida	FL
Georgia	GA
Guam	GU
Hawaii	HI
Idaho	ID
Illinois	IL
Indiana	IN
Iowa	IA
Kansas	KS
Kentucky	KY
Louisiana	LA
Maine	ME
Marshall Islands	MH
Maryland	MD
Massachusetts	MA
Michigan	MI
Minnesota	MN
Mississippi	MS
Missouri	MO
Montana	MT
Nebraska	NE
Nevada	NV

# GEODEC Abbreviations

New Hampshire	NH
New Jersey	NJ
New Mexico	NM
New York	NY
North Carolina	NC
North Dakota	ND
Northern Mariana Islands	NP
Ohio	OH
Oklahoma	OK
Oregon	OR
Palau	PW
Pennsylvania	PA
Puerto Rico	PR
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Vermont	VT
Virginia	VA
Virgin Islands	VI
Washington	WA
West Virginia	WV
Wisconsin	WI
Wyoming	WY
<b>Street Addresses</b>	
Apartment	APT
Avenue	AVE
Boulevard	BLVD
Box	BX
Broadway	BDWY
Court	CT
Drive	DR

# GEODEC Abbreviations

East	E
Fort	FT
Garden	GDN
Headquarters	HQ
Heights	HTS
Highway	HWY
Lake	LK
Lane	LN
Mount	MT
Mountain	MTN
North	N
Parkway	PKY
Place	PL
Point	PT
Port	PRT
Road	RD
Route	RT
South	S
Street	ST
Terrace	TER
Trail	TRL
Trailer	TRLR
Turnpike	TPKE
University	UNIV
West	W
<b>Layer Categories</b>	
Boundaries	BNDRY
Census	CENSUS
Hydrology	HYDRO
Miscellaneous	MISC
Monumentation	MON
Plat Information	PLAT
Presentation	PRE
Railroads	RR
Road Right-of-Way	ROW

# GEODEC Abbreviations

Roads	ROAD
School	SCH
Structures	STRUC
Transit Information	BUS
Topology	TOPO
Traffic Information	TRAF
Transportation Facilities	TRAN
Utilities	UTIL
Voting	VOTE
Zoning	ZONE
911	911
User Defined	ZZ
Text	TXT
Numbers	NBR
<b>Misc</b>	
Fargo	FGO
Moorhead	MHD
West Fargo	WF
Dilworth	DIL
Cass County	CASS
Clay County	CLAY
Fargo-Moorhead	F-M
Cass County Electric Cooperative	CCEC
County	CO
Fargo-Moorhead Metropolitan Council of Governments	Metro COG
<b>Townships</b>	
Berlin	141-50 or BN
Harwood	141-49 or HD
Raymond	140-50 or RA
Reed	140-49 or RE
Mapleton	139-50 or MT
Barnes	139-49 or BA
Warren	138-50 or WE
Stanley	138-49 or SA

# GEODEC Abbreviations

Kragnes	141-48 or KG
Morken	141-47 or MO
Oakport	140-48 or OP
Moland	140-47 or MA
Moorhead	139-48 or MH
Glyndon	139-47 or GN
Kurtz	138-48 or KR
Elmwood	138-47 or EW



# **GEOgraphic Data Exchange Consortium**

# **GEODEC**

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ORGANIZATION	-	-	-	-
PAGE LAYOUT	-	-	-	-
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