

SYMBOLS

STATE & NATIONAL LINES		BUILDINGS	
COUNTY LINE		TELEGRAPH LINES	
TOWNSHIP & RANGE LINES		TELEPHONE LINES	
SECTION LINE		POWER LINES	
QUARTER SECTION LINE		CULVERTS (in Place)	
SECTION CORNER		CULVERTS (Install)	
QUARTER SECTION CORNER		CONCRETE BOX CULVERTS (Install)	
OLD RIGHT OF WAY LINE		BRIDGES (Install)	
NEW RIGHT OF WAY LINE		CONCRETE CURB	
GRADE LINE		CONCRETE CURB AND GUTTER	
CENTERLINE OF CONSTRUCTION		CONCRETE WALK	
RAILROAD RIGHT OF WAY LINE		CATCH BASIN (Existing)	
CITY OR VILLAGE CORPORATE LIMITS		CATCH BASIN (New)	
PROPERTY LINE		MANHOLE (Existing)	
EASEMENT LINE		MANHOLE (New)	
FENCES		CURB INLET (Existing)	
SNOW FENCE		CURB INLET (New)	
DRAINAGE		GROUND MOUNTED SIGNS	
WATERS EDGE		OVERHEAD SIGNS	
MARSH OR SWAMP		HYDRANT	
RIPRAP		LIGHT STANDARDS	
DRAINAGE DITCH		TRAFFIC SIGNALS (Plan & Profile Sheets)	
APPROACH		HIGH MAST LIGHTING ASSEMBLY	
TRAVELED WAY		GROUND ELEVATION	
RAILROADS		GRADE	
GUARD RAIL		CENTERLINE	
GUIDE POSTS		SECTION LINE	
DELINEATORS		DEFLECTION ANGLE (Delta)	
HEDGES AND TREES		SOD OR JUTE MESH	
INTERCHANGE		POLES TO BE MOVED	
HIGHWAY GRADE SEPARATION-NO CONNECTION		POLES TO BE LOWERED	
OTHER BRIDGE		CONCRETE FOUNDATION	
SERVICE ROAD		CONDUIT	
TERMINATED CROSS-ROAD		CONDUCTOR	
		CONCRETE PULL BOX	
		FEED POINT	
		250 WATT LIGHT STANDARDS	
		400 WATT LIGHT STANDARDS	
		700 WATT LIGHT STANDARDS	
		1000 WATT LIGHT STANDARDS	
		FLASHING BEACON	
		TRAFFIC SIGNAL - MAST ARM MOUNTED	
		TRAFFIC SIGNAL - POST MOUNTED	
		SIGNAL HEAD	
		PEDESTRIAN PUSHBUTTON POST	
		TRAFFIC SIGNAL CONTROLLER	
		FEED POINT - PAD MOUNTED	

ABBREVIATIONS

Aggr.	Aggregate	M.L.	Main Line
Ahd.	Ahead	N.R.	North Roadway
Alt.	Alternate	Off. Loc.	Office Location
Approx.	Approximate or Approximately	O to O.	Out to Out
Appr.	Approach	P. & P.	Plan and Profile
Asph. Cem. or A.C.	Asphalt Cement	P.C.	Point of Curvature
Asph. Conc.	Asphaltic Concrete	P.C.C.	Point of Compound Curve
Bk.	Back	P.C.C. Pvm'l	Portland Cement Concrete Pavement
Bl.	Blumious or Bitumen	P.D.	Private Drive
B.M.	Bench Mark	Pen.	Penetration
Bldg.	Building	Perf.	Perforated
Br.	Bridge	P.I.	Point of Intersection
C.A.E.S.	Corrugated Aluminum End Section	P.O.C.	Point on Curve
C.A.P.	Corrugated Aluminum Pipe	P.O.T.	Point on Tangent
C.B.	Catch Basin	P.P.	Power Pole
C. & G.	Curb and Gutter	P.R.C.	Point of Reverse Curvature
Ch. Bk.	Channel Block	Pref.	Preformed
Ch. Ch.	Channel Change	P.S.D.	Passing Sight Distance
C.I.	Curb Inlet	P.T.	Point of Tangency
C.I.P.	Cast Iron Pipe	P.V.C.	Polyvinyl Chloride Sewer Pipe
Cl.	Class	Quant.	Quantity or Quantities
C.S.E.S.	Corrugated Steel End Section	R	Radius
C.S.P.	Corrugated Steel Pipe	R or Rge.	Range
C.M.S.	Cationic Medium Setting	RC	Rapid Curing
Comp.	Compression	R.C.E.S.	Reinforced Concrete End Section
Const.	Construction	R.C.P.	Reinforced Concrete Pipe
Conc.	Concrete	R.C.P.S.	Reinforced Concrete Pipe Sewer
Cont. Reinf. Conc. Pvm'l	Continuously Reinforced Concrete Pavement	Rd.	Road
Contn.	Continuation	Rdbd.	Roadbed
Crn.	Crown	Rdwy.	Roadway
CRS	Cationic Rapid Setting	Ref.	Reflectorized
Crse.	Course	R.R.	Railroad
C.S.	Curve to Spiral	Rt.	Right
C.to C.	Center to Center	R/W	Right of Way
C.Y.	Cubic Yard	Salv.	Salvage
D	Degree of Curvature	San.	Sanitary
D-Load	Dead Load	S.C.	Spiral to Curve
D.B.	Ditch Block	SC	Slow Curing
Def.	Deformed	Sc	Spiral Deflection Angle
Del.	Deliver	S.D.	Sight Distance
D.G.	Ditch Grade	S.E.	Superelevation
El. or Elev.	Elevation	Sec.	Section
Ellipt.	Elliptical	Sec. Line Appr.	Section Line Approach
Emb.	Embankment	Sep.	Separation
Emul.	Emulsified	Serv.	Service
Engr.	Engineer	Sgr. Prep.	Subgrade Preparation
Eq.	Equation	Shldr.	Shoulder
E.R.	East Roadway	SP	Special Provision
E.S.	End Section	S.P.P.	Structural Plate Pipe
Estm.	Easement	S.P.P.A.	Structural Plate Pipe Arch
Exc.	Excavation	S.R.	South Roadway
Exp.	Expansion	SS	Slow Setting or Supplement Specification
F.C.	Field Drive	S.S.D.	Stopping Sight Distance
Found.	Foundation	S.T.	Spiral to Tangent
F.P.	Fence Post	Std.	Standard
Furn.	Furnish	Std. Specs.	Standard Specifications
Ga.	Gage or Gauge	Struct.	Structure
Gr.	Gravel	Surf.	Surface or Surfacing
Grd.	Graded	Surv.	Survey
G.V.	Gate Valve	S.W.	Sidewalk
Hel.	Helical	S.Y.	Square Yard
Hyd.	Hydrant	T.	Tangent Length (circular curve)
Ident.	Identification	T or Twp.	Township
Inchg.	Interchange	Tel.	Telephone
I.M.	Iron Monument	Temp.	Temporary
Inst.	Install	T.P.	Telephone Pole
Inter.	Intersection	Tr.	Traffic
Inv.	Invert	Trans.	Transverse or Transition
Jt.	Joint	Trsd.	Treated
L	Length of Curve	Ts	Tangent Length (curve with spirals)
Lc	Length of Spiral	T.S.	Tangent to Spiral
Levg	Leveling	U.S.C. & G.S.	United States Coast and Geodetic Survey
L.F.	Linear or Linear Feet	V.C.	Vertical Curve
Liq.	Liquid	V.C.P.	Vitrified Clay Pipe
Long	Longitudinal	W.M.	Water Main
L.P.	Light Pole	W.M.V.	Water Main Valve
LI	Left	W.R.	West Roadway
"M"	One Thousand	Wrg.	Wearing
Matl.	Material	W.S.V.	Water Service Valve
Max.	Maximum	X-Sec.	Cross Section
MC	Medium Curing	Xc	Spiral Coordinate
M.H.	Manhole	Yc	Spiral Coordinate
Min.	Minimum		