

MoDOT SURVEY CODES		EFFECTIVE - JUNE 2025
CODE	TYPE	DESCRIPTION OF FEATURE
1	2D POINT	SEE FIELD NOTES
2	2D POINT	POWER POLE
3	2D POINT	POWER with LIGHT POLE
4	2D POINT	POWER & CABLE POLE
5	2D POINT	POWER- TELEPHONE AND CABLE POLE
6	2D POINT	POWER-TELEPHONE-CABLE POLE WITH LIGHT
7	2D POINT	TELEPHONE POLE
8	2D POINT	TELEPHONE & POWER POLE
9	2D POINT	TELEPHONE & CABLE POLE
10	2D POINT	LIGHT POLE
11	2D POINT	GUYWIRE POLE
12	2D POINT	POWER RISER
13	2D POINT	CABLE TV RISER
15	2D POINT	TELEPHONE RISER
17	2D POINT	ANCHOR IN GROUND
20	2D S/3D P	POWER (BURIED)
20OP	2D S/3D P	POWER (OVERHEAD)
21MODOT	2D S/3D P	MODOT POWER
21	2D S/3D P	CABLE TV (BURIED)
21OTV	2D S/3D P	CABLE TV (OVERHEAD)
22	2D S/3D P	TELEPHONE CABLE (BURIED)
22OT	2D S/3D P	TELEPHONE CABLE (OVERHEAD)
22FO	2D S/3D P	FIBER OPTIC (BURIED)
22MODOT	2D S/3D P	MODOT ITS
23	2D S/3D P	WATER LINE (BURIED)
24	2D S/3D P	GAS LINE (BURIED)
25	2D S/3D P	SANITARY SEWER (BURIED)
26	2D POINT	UTILITY SIGN
30	3D POINT	WATER VALVE
31	3D POINT	WATER METER
32	2D POINT	WATER FAUCET
33	2D POINT	FIRE HYDRANT
34	2D POINT	WELL HEAD OR HAND PUMP
35	2D POINT	SPRING
36	2D POINT	SPRINKLER HEAD
37	3D STRING	MOVING WATER
38	3D STRING	IMPOUNDED WATER
40	2D POINT	GAS VALVE
41	3D POINT	GAS METER
45	3D STRING	GAS ISLAND
46	2D POINT	GAS FILLER CAP
47	2D POINT	GAS VENT PIPE
48	2D POINT	GAS DRIP PIPE
49	2D POINT	GAS MARKER
50	2D POINT	SEPTIC TANK
51	3D STRING	SEPTIC DRAIN FIELD
55	2D POINT	SIGNAL POST
56	2D POINT	SIGNAL CONTROLLER
57	2D POINT	SIGNAL PULL BOX
60	2D POINT	SIGN ONE POST
61	2D STRING	SIGN (CHAIN)
62	2D POINT	DRAIN MARKER SIGN
65	2D POINT	TELEPHONE MANHOLE
66	2D POINT	SANITARY SEWER MANHOLE
67	2D POINT	STORM SEWER MANHOLE
69	2D POINT	SET EASEMENT MARKER
70	2D POINT	FOUND CONCRETE R/W MARKER
71	2D POINT	FOUND STEEL R/W MARKER
72	2D POINT	FOUND AS NOTED
72ALM	2D POINT	FOUND ALUMINUM MARKER
72AX	2D POINT	FOUND AXLE
72CPS	2D POINT	FOUND COTTON PICKER SPINDLE
72IP	2D POINT	FOUND IRON PIPE
72IR	2D POINT	FOUND IRON ROD
72ST	2D POINT	FOUND STONE
72X	2D POINT	FOUND CROSS-CUT
73	2D POINT	LAND CORNER MARKER
74	2D POINT	TRAVERSE STATION
75	2D POINT	BENCH MARK
76	2D POINT	DELINEATOR POST
77	2D POINT	MILE MARKER POST
78	2D POINT	FOUND LOCATION SURVEY MARKER
79	2D POINT	SET LOCATION SURVEY MARKER
80	VOID	BUILDING
81	2D STRING	BUILDING OVERHANG
82	2D POINT	TREE
83	2D S/3D P	TIMBERLINE
84	2D POINT	SHRUBS
85	2D S/3D P	SHRUB LINE
86	3D STRING	FENCE
87	2D POINT	FENCE GATEPOST
88	2D POINT	MAILBOX
89	2D POINT	GRAVE MARKER
90	3D POINT	FLAGPOLE
91	2D POINT	SATELLITE DISH
92	2D POINT	COMMUNICATIONS TOWER
93	2D STRING	PROPANE GAS TANK
94	2D STRING	GUARD RAIL
95	2D STRING	GUARD CABLE
LINKING CODES		
-BS BEGIN LINE		-EC END CURVE
-ES END LINE		-CL CLOSE FIGURE
-C POINT ON CURVE		

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CODE	TYPE	DESCRIPTION OF FEATURE
100	3D STRING	CENTERLINE CONCRETE PAVEMENT
101	3D STRING	EDGE OF CONCRETE SURFACE
102	3D STRING	CONCRETE CURB FLOWLINE
103	3D STRING	TOP CONCRETE CURB
104	3D STRING	EDGE OF CONCRETE DITCH
105	3D STRING	FLOWLINE CONCRETE DITCH
106	3D STRING	CONCRETE SIDEWALK
107	3D STRING	CONCRETE EDGE OF PAVEMENT
110	3D STRING	CONCRETE JOINT
111	3D STRING	CONCRETE CATCH BASIN
120	3D STRING	EDGE OF BITUMINOUS SHOULDER
121	3D STRING	AGGREGATE SHOULDER
122	3D STRING	EARTH SHOULDER
123	3D STRING	CONCRETE SHOULDER
130	3D STRING	ENTRANCE AGGREGATE
131	3D STRING	ENTRANCE BITUMINOUS
132	3D STRING	ENTRANCE CONCRETE
133	3D STRING	EARTH ENTRANCE
134	3D STRING	EDGE OF AGGREGATE ROAD
140	3D STRING	OIL SURFACE
150	3D POINT	SPOT ELEVATION ON DIRT
151	3D POINT	SPOT ELEVATION ON BITUMINOUS
152	3D POINT	SPOT ELEVATION ON CONCRETE
153	3D POINT	SPOT ELEVATION ON ROCK
200	3D STRING	CENTERLINE BITUMINOUS PAVEMENT
201	3D STRING	EDGE OF BITUMINOUS SURFACE
202	3D STRING	BITUMINOUS CURB FLOWLINE
203	3D STRING	TOP OF BITUMINOUS CURB
204	3D STRING	EDGE OF BITUMINOUS DITCH
205	3D STRING	FLOWLINE BITUMINOUS DITCH
206	3D STRING	BITUMINOUS SIDEWALK
207	3D STRING	BITUMINOUS EDGE OF PAVEMENT
300	2D STRING	REINFORCED CONCRETE PIPE
3XX	2D STRING	XX = INCH PIPE DIAMETER
400	2D STRING	CORRAGATED METAL PIPE
4XX	2D STRING	XX = INCH PIPE DIAMETER
500	2D STRING	VITRIFIED CLAY PIPE
5XX	2D STRING	XX = INCH PIPE DIAMETER
600	2D STRING	PLASTIC PIPE
6XX	2D STRING	XX = INCH PIPE DIAMETER
XX (Inches) = 12, 15, 18, 21, 24, 30, 36, 42, 48, 54, 60, 66		
700	3D POINT	DROP INLET (CENTER)
701	3D STRING	DROP INLET (CHAIN)
703	2D STRING	CONCRETE BOX CULVERT
704	3D POINT	DITCH BLOCK
705	2D S/3D P	CULVERT HEADWALL
706	2D S/3D P	EDGE OF APRON
707	2D POINT	FLARED END SECTION (METAL)
707.XX	2D POINT	XX= PIPE DIAMETER
708	2D POINT	FLARED END SECTION (CONCRETE)
708.XX	2D POINT	XX= PIPE DIAMETER
XX (Inches) = 12, 15, 18, 21, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84		
710	3D STRING	RAILROAD
711	3D STRING	TOP OF RAILROAD RAIL
712	3D STRING	BRIDGE PIER
713	3D STRING	BRIDGE ABUTMENT
714	3D STRING	RETAINING WALL
715	3D STRING	SOUND WALL
720	3D STRING	FLOW LINE
721	3D STRING	RIDGE LINE
722	3D STRING	ROCK OUTCROP LINE
723	3D STRING	LEVEE OR DIKE
724	3D STRING	POND DAM
725	3D STRING	BREAKLINE
730	2D STRING	REVERSIBLE GATE
731	3D STRING	VEHICLE SENSOR
732	2D POINT	DYNAMIC MESSAGE SIGN
733	2D POINT	CAMERA POLE
750	2D STRING	PROFILE OF BRIDGE DECK
751	3D STRING	LEFT BRIDGE OFFSET PROFILES
752	3D STRING	RIGHT BRIDGE OFFSET PROFILES
753	3D STRING	STREAMBED PROFILE
754	3D STRING	TYPICAL CHANNEL SECTION
755	2D STRING	NARROW VALLEY SECTION
770	3D STRING	DTM BOUNDARY
771	3D STRING	SLOPE STAKE
772	3D STRING	SOIL SUBGRADE
773	3D STRING	SLOPE INTERCEPT
774	3D STRING	BOTTOM UNDERGRADE
775	3D STRING	BOTTOM OVERBREAK
900-909	2D POINT	USER DEFINED 2D POINT
910-919	3D POINT	USER DEFINED 3D POINT
920-929	2D STRING	USER DEFINED 2D STRING
930-939	3D STRING	USER DEFINED 3D STRING
LINKING CODES		
-BS BEGIN LINE -EC END CURVE		
-ES END LINE -CL CLOSE FIGURE		
-C POINT ON CURVE		
LINKING CODES Trimble		
BS BEGIN LINE		EC END CURVE
ES END LINE		CL CLOSE FIGURE
C POINT ON CURVE		