

MoDOT SURVEY CODES		EFFECTIVE - AUGUST 2026	
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	
29	3D POINT	SEWER VALVE	
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	
63	2D POINT	ELECTRIC HANDHOLE	
64	2D POINT	ELECTRIC MANHOLE	
65	2D POINT	TELEPHONE MANHOLE	
66	2D POINT	SANITARY SEWER MANHOLE	
67	2D POINT	STORM SEWER MANHOLE	
68	2D POINT	TELEPHONE/FIBER HANDHOLE	
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	
72GB	2D POINT	FOUND GRADER BLADE	
72IP	2D POINT	FOUND IRON PIPE	
72IR	2D POINT	FOUND IRON ROD	
72SK	2D POINT	FOUND SPIKE NAIL	
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			

These Survey Features may be Annotated

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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		