

ADOT STANDARD DRAWINGS

CONSTRUCTION STANDARDS
EFFECTIVE AUGUST 2023

DATE	STANDARD	SUBJECT TITLE	DATE	STANDARD	SUBJECT TITLE
5/12	C-01.10 SH 1	SYMBOL LEGEND	12/17	C-10.53	CONCRETE HALF BARRIER, 42" TYPE 'F' WITH GUTTER
5/12	C-01.10 SH 2	SYMBOL LEGEND	12/17	C-10.54 SH 1	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, CAST-IN-PLACE
5/12	C-01.10 SH 3	SYMBOL LEGEND	12/17	C-10.54 SH 2	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, PRECAST
5/12	C-01.10 SH 4	SYMBOL LEGEND	12/17	C-10.54 SH 3	CONCRETE HALF BARRIER, 32" TYPE 'F' AT PIERS, LAYOUT
12/17	C-01.30 SH 1	GENERAL ABBREVIATIONS	12/17	C-10.55 SH 1	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, CAST-IN-PLACE
5/12	C-01.30 SH 2	GENERAL ABBREVIATIONS	12/17	C-10.55 SH 2	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, PRECAST
5/12	C-01.30 SH 3	GENERAL ABBREVIATIONS	12/17	C-10.55 SH 3	CONCRETE HALF BARRIER, 42" TYPE 'F' AT PIERS, LAYOUT
5/12	C-02.10	SLOPES, RURAL DIVIDED HIGHWAYS	12/17	C-10.70 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-02.20	SLOPES, RURAL UNDIVIDED AND FRINGE-URBAN HIGHWAYS	12/17	C-10.70 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-02.30	SLOPES, MISCELLANEOUS ROADWAYS	12/17	C-10.70 SH 3	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CAISSONS
5/12	C-03.10 SH 1	DITCHES, CHANNELS, DIKES AND BERMS, DITCHES AND CHANNELS	12/17	C-10.71 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CURB & GUTTER
5/12	C-03.10 SH 2	DITCHES, CHANNELS, DIKES AND BERMS, DIKES	12/17	C-10.71 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 32" TYPE 'F' WITH CURB & GUTTER
5/12	C-03.10 SH 3	DITCHES, CHANNELS, DIKES AND BERMS, DITCH DIKE	12/17	C-10.72 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
5/12	C-03.10 SH 4	DITCHES, CHANNELS, DIKES AND BERMS, PIPE BERMS	12/17	C-10.72 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
5/12	C-03.10 SH 5	DITCHES, CHANNELS, DIKES AND BERMS, HEADWALL BERMS	12/17	C-10.72 SH 3	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH CAISSONS
12/17	C-04.10 SH 1	SPILLWAY, EMBANKMENT SINGLE INLET	12/17	C-10.73 SH 1	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH GUTTER
12/17	C-04.10 SH 2	SPILLWAY, EMBANKMENT DOUBLE INLET	12/17	C-10.73 SH 2	CONCRETE HALF-BARRIER TRANSITION TO VERTICAL, 42" TO 32" TYPE 'F' WITH GUTTER
12/17	C-04.20 SH 1	DOWNDRAIN, EMBANKMENT SINGLE INLET	12/17	C-10.74	CONCRETE HALF-BARRIER TRANSITION, 42" TO 32" TYPE 'F'
12/17	C-04.20 SH 2	DOWNDRAIN, EMBANKMENT DOUBLE INLET	12/17	C-10.75 SH 1	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' TANGENT DEPARTURE TYPE 1
12/17	C-04.30	SPILLWAY LENGTH TABLE	12/17	C-10.75 SH 2	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' TANGENT DEPARTURE TYPE 2
12/17	C-04.40	DOWNDRAIN LENGTH TABLE	12/17	C-10.76	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' AT RADIUS, 32" TO 0"
5/12	C-04.50	DOWNDRAIN ENERGY DISSIPATOR	4/19	C-10.77	CONCRETE BARRIER TRANSITION TO GUARDRAIL END TERMINAL LAYOUT WITH CURB
5/12	C-05.10	CURB & GUTTER, CURB, GUTTER	12/17	C-10.78	CONCRETE HALF-BARRIER TRANSITION, 32" TYPE 'F' LOW SPEED APPROACH
5/12	C-05.12 SH 1	CURB & GUTTER TRANSITIONS	12/17	C-10.79	CONCRETE HALF-BARRIER TRANSITION, 42" TYPE 'F' TANGENT DEPARTURE
5/12	C-05.12 SH 2	CURB & GUTTER TRANSITIONS	5/12	C-11.10 SH 1	ROADWAY CATTLE GUARD
5/12	C-05.12 SH 3	CURB AND GUTTER TRANSITIONS	5/12	C-11.10 SH 2	ROADWAY CATTLE GUARD
5/12	C-05.20 SH 1	CONCRETE DRIVEWAYS & SIDEWALKS, DRIVEWAYS	5/12	C-11.10 SH 3	ROADWAY CATTLE GUARD
5/12	C-05.20 SH 2	CONCRETE DRIVEWAYS & SIDEWALKS, SIDEWALKS	5/12	C-11.10 SH 4	ROADWAY CATTLE GUARD
5/12	C-05.30 SH 1	SIDEWALK RAMP, TYPE A	5/12	C-11.20	CATTLE GUARD, DRAINAGE
5/12	C-05.30 SH 2	SIDEWALK RAMP, TYPE B	5/12	C-12.10 SH 1	FENCE, WOVEN WIRE
5/12	C-05.30 SH 3	SIDEWALK RAMP, TYPE C	5/12	C-12.10 SH 2	FENCE, BARBED WIRE
5/12	C-05.30 SH 4	SIDEWALK RAMP, TYPE D	5/12	C-12.10 SH 3	FENCE, TYPE 1 AND 2 GATES, FLOOD GATE
5/12	C-05.30 SH 5	SIDEWALK RAMP, TYPE E	5/12	C-12.10 SH 4	FENCE, FLOOD GATE INSTALLATION
5/12	C-05.30 SH 6	SIDEWALK RAMP, TYPE F	5/12	C-12.10 SH 5	FENCE, MISCELLANEOUS DETAILS
5/12	C-05.30 SH 7	SIDEWALK RAMP, DETECTABLE WARNING STRIP	5/12	C-12.20 SH 1	FENCE, CHAIN LINK, TYPE 1
5/12	C-05.40	MEDIAN PAVING AND NOSE TAPER	5/12	C-12.20 SH 2	FENCE, CHAIN LINK, TYPE 2
5/12	C-05.50	CONCRETE BUS BAY	5/12	C-12.20 SH 3	FENCE, CHAIN LINK, GATES
5/12	C-06.10 SH 1	DRIVEWAY & TURNOUT LAYOUTS	5/12	C-12.30 SH 1	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-06.10 SH 2	DRIVEWAY & TURNOUT LAYOUTS	5/12	C-12.30 SH 2	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-07.01 SH 1	PCCP JOINTS	5/12	C-12.30 SH 3	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-07.01 SH 2	PCCP JOINTS	5/12	C-13.10 SH 1	PIPE CULVERT INSTALLATION
5/12	C-07.02	LOAD TRANSFER DOWEL ASSEMBLY	5/12	C-13.10 SH 2	PIPE CULVERT INSTALLATION
5/12	C-07.03 SH 1	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	8/23	C-13.15	TYPICAL PIPE INSTALLATION
5/12	C-07.03 SH 2	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.20	PIPE, REINFORCED CONCRETE END SECTION
5/12	C-07.03 SH 3	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.25	PIPE, CORRUGATED METAL END SECTION
5/12	C-07.03 SH 4	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.30	PIPE AND PIPE ARCH, CORRUGATED METAL, CONCRETE INVERT PAVING
5/12	C-07.03 SH 5	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.55	PIPE, CATTLE-VEHICLE PASS, MITERED END TREATMENT
5/12	C-07.03 SH 6	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.60	SLOTTED DRAIN DETAILS
5/12	C-07.03 SH 7	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.65	SLOTTED DRAIN INSTALLATION DETAILS
5/12	C-07.03 SH 8	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.70	STORM DRAIN CONNECTION DETAILS
5/12	C-07.04 SH 1	PCCP JOINT LOCATIONS, PARALLEL-TYPE ENTRANCE RAMP WITH AUXILIARY LANE	5/12	C-13.75	STORM DRAIN OUTLET BARRIER GATE
5/12	C-07.04 SH 2	PCCP JOINT LOCATIONS, PARALLEL-TYPE EXIT RAMP WITH AUXILIARY LANE	5/12	C-13.76	STORM DRAIN OUTLET AND STORM DRAIN PLUG
5/12	C-07.04 SH 3	PCCP JOINT LOCATIONS, TAPER-TYPE ENTRANCE RAMP	5/12	C-13.80	PIPE COLLAR DETAILS
5/12	C-07.04 SH 4	PCCP JOINT LOCATIONS, TAPER-TYPE EXIT RAMP	5/12	C-15.10	CATCH BASIN, TYPE 1
5/12	C-07.04 SH 5	PCCP JOINT LOCATIONS, CROSSROAD AND RAMP TERMINI	5/12	C-15.20 SH 1	CATCH BASIN, TYPE 3
8/21	C-07.06	TRENCH BACKFILL AND PAVEMENT REPLACEMENT	5/12	C-15.20 SH 2	CATCH BASIN, TYPE 3
5/12	C-08.20	PAVED GORE AREA	5/12	C-15.20 SH 3	CATCH BASIN, ACCESS FRAME AND COVER DETAILS
12/17	C-10.00	GUARDRAIL MEASUREMENT LIMITS	5/12	C-15.30	CATCH BASIN, TYPE 4
12/17	C-10.01	GUARDRAIL INSTALLATION	5/12	C-15.40 SH 1	CATCH BASIN, TYPE 5
12/17	C-10.03	W-BEAM GUARDRAIL, MGS BLOCKED-OUT TIMBER POST	5/12	C-15.40 SH 2	CATCH BASIN, TYPE 5
12/17	C-10.04	W-BEAM GUARDRAIL, MGS BLOCKED-OUT STEEL POST	5/12	C-15.50	CATCH BASIN, FRAME AND GRATE
12/17	C-10.05 SH 1	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER	5/12	C-15.70 SH 1	CATCH BASIN, MISCELLANEOUS DETAILS
12/17	C-10.05 SH 2	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER	5/12	C-15.70 SH 2	CATCH BASIN, MISCELLANEOUS DETAILS
12/17	C-10.06	W-BEAM GUARDRAIL LONG-SPAN	5/12	C-15.75	CATCH BASIN, DROP INLET
12/17	C-10.07 SH 1	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST	5/12	C-15.80	CATCH BASIN, FLUSH
12/17	C-10.07 SH 2	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST	5/12	C-15.81	CATCH BASIN, SIDE SLOPE
12/17	C-10.08 SH 1	W-BEAM GUARDRAIL, END ANCHOR	5/12	C-15.90	CATCH BASIN, MEDIAN DIKE, PRECAST
12/17	C-10.08 SH 2	W-BEAM GUARDRAIL, END ANCHOR	5/12	C-15.91 SH 1	FREEWAY CATCH BASIN DETAILS
12/17	C-10.09	GUARDRAIL POST ROCK INSTALLATION	5/12	C-15.91 SH 2	FREEWAY CATCH BASIN DETAILS
4/19	C-10.20 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP	5/12	C-15.92 SH 1	CATCH BASIN WITH TYPE 'F' CONCRETE HALF BARRIER
4/19	C-10.20 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP	5/12	C-15.92 SH 2	CATCH BASIN WITH TYPE 'F' CONCRETE HALF BARRIER
4/19	C-10.21 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT	5/12	C-16.40	IRRIGATION SLEEVES
4/19	C-10.21 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT	5/12	C-17.10	RAIL BANK PROTECTION FOR DRAINAGEWAYS, TYPES 1, 2 & 3
4/19	C-10.22 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION	5/12	C-17.15	RAIL BANK PROTECTION AT ABUTMENTS, TYPES 4, 5 & 6
4/19	C-10.22 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION	5/12	C-17.20	RAIL BANK PROTECTION FOR DRAINAGEWAYS, TYPES 7, 8 & 9
4/21	C-10.23 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET	5/12	C-18.10 SH 1	MANHOLE, RISER DETAILS
4/21	C-10.23 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET	5/12	C-18.10 SH 2	MANHOLE, BASE DETAILS, NORMAL INSTALLATION
11/19	C-10.26 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT	5/12	C-18.10 SH 3	MANHOLE, FRAME AND COVER DETAILS
11/19	C-10.26 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT	5/12	C-19.10 SH 1	FORD, CONCRETE WALLS
12/17	C-10.30 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST	5/12	C-19.10 SH 2	FORD, TYPES 1 AND 2
12/17	C-10.30 SH 2	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST	5/12	C-21.10	SURVEY MONUMENT FRAME AND COVER
12/17	C-10.31 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, STEEL POST	5/12	C-21.20	SURVEY MARKER
12/17	C-10.31 SH 2	GUARDRAIL TRANSITION TO CONCRETE BARRIER, STEEL POST			
12/17	C-10.38 SH 1	GUARDRAIL TAPER G4 TO MGS W-BEAM WITH STAGGERED POST			
12/17	C-10.38 SH 2	GUARDRAIL TAPER G4 TO MGS W-BEAM WITH OFFSET RAIL			
12/17	C-10.40	CONCRETE MEDIAN BARRIER, 32" TYPE 'F', CAST-IN-PLACE			
12/17	C-10.41	CONCRETE MEDIAN BARRIER, 42" TYPE 'F', CAST-IN-PLACE			
12/17	C-10.44 SH 1	CONCRETE MEDIAN BARRIER, 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES, H=0" TO 26"			
12/17	C-10.44 SH 2	CONCRETE MEDIAN BARRIER, 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES, H=0" TO 26"			
12/17	C-10.45 SH 1	CONCRETE MEDIAN BARRIER, 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES, H=26" TO 60"			
12/17	C-10.45 SH 2	CONCRETE MEDIAN BARRIER, 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES, H=26" TO 60"			
12/17	C-10.50 SH 1	CONCRETE HALF BARRIER, 32" TYPE 'F', CAST-IN-PLACE			
12/17	C-10.50 SH 2	CONCRETE HALF BARRIER, 32" TYPE 'F', PRECAST			
12/17	C-10.51	CONCRETE HALF BARRIER, 32" TYPE 'F' WITH SIDEWALK			
12/17	C-10.52	CONCRETE HALF BARRIER, 32" TYPE 'F' WITH GUTTER			

ADOT STANDARD DRAWINGS			
REVISION DATES and STANDARD NO.'s REVIEW			
CONSTRUCTION STANDARDS	NAME	DATE	
PROJECT NO. _____	_____	1A	OF _____
RECORD DRAWING DATA	FEDERAL ID NO. _____	REC. DWG. DATE _____	OF _____