

ADOT STANDARD DRAWINGS

CONSTRUCTION STANDARDS
EFFECTIVE AUGUST 2021

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	4/19	C-10.76	CONCRETE HALF-BARRIER TRANSITION, TYPE 'F' AT RADIUS, 32" TO 0"
5/12	C-04.50	DOWNDRAIN ENERGY DISSIPATOR	12/17	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-06.10 SH 2	DRIVEWAY & TURNOUT LAYOUTS	5/12	C-12.30 SH 3	FENCE, CHAIN LINK CABLE BARRIER
5/12	C-07.01 SH 1	PCCP JOINTS	5/12	C-13.10 SH 1	PIPE CULVERT INSTALLATION
5/12	C-07.01 SH 2	PCCP JOINTS	5/12	C-13.10 SH 2	PIPE CULVERT INSTALLATION
5/12	C-07.02	LOAD TRANSFER DOWEL ASSEMBLY	1/20	C-13.15	TYPICAL PIPE INSTALLATION
5/12	C-07.03 SH 1	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.20	PIPE, REINFORCED CONCRETE END SECTION
5/12	C-07.03 SH 2	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.25	PIPE, CORRUGATED METAL END SECTION
5/12	C-07.03 SH 3	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 4	PCCP JOINT LOCATIONS, MAINLINE SKEWED JOINTS	5/12	C-13.55	PIPE, CATTLE-VEHICLE PASS, MITERED END TREATMENT
5/12	C-07.03 SH 5	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.60	SLOTTED DRAIN DETAILS
5/12	C-07.03 SH 6	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.65	SLOTTED DRAIN INSTALLATION DETAILS
5/12	C-07.03 SH 7	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.70	STORM DRAIN CONNECTION DETAILS
5/12	C-07.03 SH 8	PCCP JOINT LOCATIONS, MAINLINE NON-SKEWED JOINTS	5/12	C-13.75	STORM DRAIN OUTLET BARRIER GATE
5/12	C-07.04 SH 1	PCCP JOINT LOCATIONS, PARALLEL-TYPE ENTRANCE RAMP WITH AUXILIARY LANE	5/12	C-13.76	STORM DRAIN OUTLET AND STORM DRAIN PLUG
5/12	C-07.04 SH 2	PCCP JOINT LOCATIONS, PARALLEL-TYPE EXIT RAMP WITH AUXILIARY LANE	5/12	C-13.80	PIPE COLLAR DETAILS
5/12	C-07.04 SH 3	PCCP JOINT LOCATIONS, TAPER-TYPE ENTRANCE RAMP	5/12	C-15.10	CATCH BASIN, TYPE 1
5/12	C-07.04 SH 4	PCCP JOINT LOCATIONS, TAPER-TYPE EXIT RAMP	5/12	C-15.20 SH 1	CATCH BASIN, TYPE 3
5/12	C-07.04 SH 5	PCCP JOINT LOCATIONS, CROSSROAD AND RAMP TERMINI	5/12	C-15.20 SH 2	CATCH BASIN, TYPE 3
8/21	C-07.06	TRENCH BACKFILL AND PAVEMENT REPLACEMENT	5/12	C-15.20 SH 3	CATCH BASIN, ACCESS FRAME AND COVER DETAILS
5/12	C-08.20	PAVED GORE AREA	5/12	C-15.30	CATCH BASIN, TYPE 4
12/17	C-10.00	GUARDRAIL MEASUREMENT LIMITS	5/12	C-15.40 SH 1	CATCH BASIN, TYPE 5
12/17	C-10.01	GUARDRAIL INSTALLATION	5/12	C-15.40 SH 2	CATCH BASIN, TYPE 5
12/17	C-10.03	W-BEAM GUARDRAIL, MGS BLOCKED-OUT TIMBER POST	5/12	C-15.50	CATCH BASIN, FRAME AND GRATE
12/17	C-10.04	W-BEAM GUARDRAIL, MGS BLOCKED-OUT STEEL POST	5/12	C-15.70 SH 1	CATCH BASIN, MISCELLANEOUS DETAILS
12/17	C-10.05 SH 1	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER	5/12	C-15.70 SH 2	CATCH BASIN, MISCELLANEOUS DETAILS
12/17	C-10.05 SH 2	W-BEAM GUARDRAIL (MODIFIED) WITH FREEWAY CURB AND GUTTER	5/12	C-15.75	CATCH BASIN, DROP INLET
12/17	C-10.06	W-BEAM GUARDRAIL LONG-SPAN	5/12	C-15.80	CATCH BASIN, FLUSH
12/17	C-10.07 SH 1	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST	5/12	C-15.81	CATCH BASIN, SIDE SLOPE
12/17	C-10.07 SH 2	W-BEAM GUARDRAIL, BOX CULVERT GUARDRAIL POST	5/12	C-15.90	CATCH BASIN, MEDIAN DIKE, PRECAST
12/17	C-10.08 SH 1	W-BEAM GUARDRAIL, END ANCHOR	5/12	C-15.91 SH 1	FREEWAY CATCH BASIN DETAILS
12/17	C-10.08 SH 2	W-BEAM GUARDRAIL, END ANCHOR	5/12	C-15.91 SH 2	FREEWAY CATCH BASIN DETAILS
12/17	C-10.09	GUARDRAIL POST ROCK INSTALLATION	5/12	C-15.92 SH 1	CATCH BASIN WITH TYPE 'F' CONCRETE HALF BARRIER
4/19	C-10.20 SH 1	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-10.20 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SOFTSTOP	5/12	C-16.40	IRRIGATION SLEEVES
4/19	C-10.21 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT	5/12	C-17.10	RAIL BANK PROTECTION FOR DRAINAGEWAYS, TYPES 1, 2 & 3
4/19	C-10.21 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MSKT	5/12	C-17.15	RAIL BANK PROTECTION AT ABUTMENTS, TYPES 4, 5 & 6
4/19	C-10.22 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION	5/12	C-17.20	RAIL BANK PROTECTION FOR DRAINAGEWAYS, TYPES 7, 8 & 9
4/19	C-10.22 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MAX-TENSION	5/12	C-18.10 SH 1	MANHOLE, RISER DETAILS
4/21	C-10.23 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET	5/12	C-18.10 SH 2	MANHOLE, BASE DETAILS, NORMAL INSTALLATION
4/21	C-10.23 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR SGET	5/12	C-18.10 SH 3	MANHOLE, FRAME AND COVER DETAILS
11/19	C-10.26 SH 1	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT	5/12	C-19.10 SH 1	FORD, CONCRETE WALLS
11/19	C-10.26 SH 2	GUARDRAIL END TERMINAL PAD LAYOUT FOR MFLEAT	5/12	C-19.10 SH 2	FORD, TYPES 1 AND 2
12/17	C-10.30 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST	5/12	C-21.10	SURVEY MONUMENT FRAME AND COVER
12/17	C-10.30 SH 2	GUARDRAIL TRANSITION TO CONCRETE BARRIER, TIMBER POST	5/12	C-21.20	SURVEY MARKER
12/17	C-10.31 SH 1	GUARDRAIL TRANSITION TO CONCRETE BARRIER, STEEL POST			
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