

OKLAHOMA DEPARTMENT OF TRANSPORTATION

ROADWAY DESIGN STANDARD DRAWINGS

For use with the 2019 ODOT Standard Specifications and effective March 3, 2025

	SHEET NO.	DESCRIPTION	STANDARD	REV. NO.
EROSION CONTROL	R-1	BEST MANAGEMENT PRACTICE REFERENCE MATRIX	BMPR-	0
	R-2	TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS	TESCA-	0
	R-3	EROSION CONTROL / TURF REINFORCEMENT MAT INSTALLATION (1 OF 2 SHEETS)	ECTRM1-	0
	R-4	EROSION CONTROL / TURF REINFORCEMENT MAT INSTALLATION (2 OF 2 SHEETS)	ECTRM2-	0
	R-5	INLET PROTECTION (AGGREGATE AND REINFORCED SILT FENCE APPLICATIONS)	IPD-	0
	R-6	REINFORCED SILT FENCE INSTALLATION AND APPLICATIONS	RSF-	0
	R-7	TEMPORARY SILT DIKE APPLICATIONS	TSD-	0
	R-8	TEMPORARY FIBER LOG APPLICATIONS	TFL-	0
	R-9	TEMPORARY ROCK FILTER DAM APPLICATIONS	TRFD-	0
	R-10	TEMPORARY SEDIMENT BASIN	TSB-	0
	R-11	STABILIZED CONSTRUCTION EXIT	SCE-	0
	R-12	TEMPORARY SLOPE DRAIN	SD-	0
	R-13	CONCRETE WASHOUT APPLICATIONS	CWA-	0
	R-14	SOLID SLAB SODDING	SSS-2-	1
PAVEMENTS	R-15	ASPHALT SURFACING CONSTRUCTION DETAILS	ASCD-6-	1
	R-16	CONCRETE SURFACING CONSTRUCTION DETAILS	CSCD-6-	2
	R-17	JOINTS AND SEALERS – LONGITUDINAL, EXPANSION / ISOLATION & CONTRACTION	LECS-5-	2
	R-18	LOAD TRANSFER UNITS FOR CONCRETE PAVEMENT JOINTS	LTU-5-	1
	R-19	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT DETAILS	CRCP1-4-	1
	R-20	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT TERMINAL JOINTS	CRCP2-4-	1
	R-21	PAVEMENT RECONSTRUCTION DETAILS	PR-4-	1
	R-22	PORTLAND CEMENT CONCRETE PAVEMENT REPAIR	PCPR-4-	2
	R-23	PAVEMENT EDGE DRAIN	PED-4-	1
	R-24	PAVEMENT SAFETY EDGE	PSE-2-	1
	R-25	WHEELCHAIR RAMPS	WCR-4-	2
	R-26	TACTILE WARNING DEVICES	TWD-2-	2
	R-27	Reserved		
	R-28	PRECAST STANDARD MEDIAN DRAIN	PSMD-2-	2
DRAINAGE STRUCTURES	R-29	CAST-IN-PLACE STANDARD MEDIAN DRAINS (18” TO 36” PIPES)	SMD-4-	2
	R-30	CULVERT END TREATMENT SINGLE PIPE INSTALLATION 1 TO 4 SAFETY SLOPE	CET4S-4-	2
	R-31	CULVERT END TREATMENT SINGLE PIPE INSTALLATION 1 TO 6 SAFETY SLOPE	CET6S-4-	2
	R-32	CULVERT END TREATMENT DOUBLE PIPE INSTALLATION 1 TO 4 SAFETY SLOPE	CET4D-4-	2
	R-33	CULVERT END TREATMENT DOUBLE PIPE INSTALLATION 1 TO 6 SAFETY SLOPE	CET6D-4-	2
	R-34	PREFABRICATED CULVERT END SECTIONS	PCES-5-	1
	R-35	SLOPED CONCRETE END SECTIONS	SCES-4-	1
	R-36	CAST-IN-PLACE CONCRETE DROP INLETS FOR R. C. BOXES (3’ x 2’ TO 6’ x 6’)	CDIB-2-	2
	R-37	CAST-IN-PLACE CONCRETE DROP INLETS FOR 30 DEG. SKEW R. C. BOXES (3’ x 2’ TO 6’ x 6’)	CDIB30-2-	2
	R-38	CAST-IN-PLACE CONCRETE DROP INLET FOR 18” TO 72” R. C. PIPES	CDIP-2-	2
	R-39	CAST-IN-PLACE CONCRETE DROP INLET FOR 30 DEG. SKEW 18” TO 72” R. C. PIPES	CDIP30-2-	2
	R-40	CAST-IN-PLACE GRATED PIPE DROP INLET (18” TO 42” PIPE)	GPI-5-	2
	R-41	STORM SEWER CONSTRUCTION DETAILS	SSCD-4-	1
	R-42	PRECAST CURB INLET (DESIGNS 1,2, AND 3)	PCI-1-	1
	R-43	Reserved		
	R-44	Reserved		
	R-45	CAST-IN-PLACE CURB INLETS	CI-2-	2
	R-46	STORM SEWER INLET FRAMES (CURB INLETS)	SSIF-5-	1
	R-47	CAST IRON GRATES (CURB INLETS)	CIG-4-	1
	R-48	MANHOLE FRAME AND COVER	MFC-5-	1

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DRAINAGE STRUCTURES	R-49	CAST-IN-PLACE MANHOLES AND JUNCTION BOXES	MJB-4-	2
	R-50	PRECAST ROUND MANHOLE	PRM-1-	3
	R-51	PRECAST SQUARE MANHOLE	PSM-1-	3
	R-52	PRECAST MANHOLE DETAILS	PMD-1-	1
	R-53	Reserved		
	R-54	Reserved		
	R-55	Reserved		
	R-56	Reserved		
CULVERT INSTALLATION	R-57	CONCRETE CULVERT INSTALLATION (1 OF 2 SHEETS)	CCI-1-	0
	R-58	CONCRETE CULVERT INSTALLATION (2 OF 2 SHEETS)	CCI-2-	0
	R-59	METAL CULVERT INSTALLATION (1 OF 3 SHEETS)	MCI-1-	0
	R-60	METAL CULVERT INSTALLATION (2 OF 3 SHEETS)	MCI-2-	0
	R-61	METAL CULVERT INSTALLATION (3 OF 3 SHEETS)	MCI-3-	0
	R-62	THERMOPLASTIC CULVERT INSTALLATION	TCI-1-	0
	R-63	PIPE BEDDING AND BACKFILL	PBB-1-	3
	R-64	STANDARD BOX INSTALLATION	SBI-5-	2
	R-65	PIPE UNDERDRAIN INSTALLATION	PUD-4-	1
	R-66	CONCRETE LONGITUDINAL BARRIER (MASH F-SHAPE)	CLB-2-	2
MISCELLANEOUS CONSTRUCTION	R-67	MAILBOX INSTALLATION	MI-4-	2
	R-68	RURAL DRIVEWAY INSTALLATION	RDI-4-	1
	R-69	PAVED DITCHES AND FLUMES	DC-4-	1
	R-70	PAVEMENT DROP-OFF TREATMENTS	PDT-2-	3
	R-71	RIGHT-OF-WAY FENCE STYLE WWF (WOVEN WIRE FENCE)	RWF1-3-	1
	R-72	RIGHT-OF-WAY FENCE STYLE SWF (STRAND WIRE FENCE)	RWF2-3-	1
	R-73	RIGHT-OF-WAY FENCE STYLE CLF (CHAIN LINK FENCE)	RWF3-3-	2
	R-74	SUPERELEVATION	SUEL1-4-	1
	R-75	SUPERELEVATION TABLES LOW SPEED URBAN STREETS	SUEL2-4-	1
	R-76	SUPERELEVATION TABLES (e max = 6%)	SUEL3-4-	1
	R-77	SUPERELEVATION TABLES (e max = 8%)	SUEL4-4-	1

CURRENT STANDARDS ARE AVAILABLE FOR DOWNLOAD OR PRINT FROM:
<https://oklahoma.gov/odot/business-center/pre-construction-design/roadway-design.html>

FOR DISCONTINUED STANDARDS, QUESTIONS OR COMMENTS, CONTACT THE ROADWAY STANDARDS ENGINEER
AT (405) 215-6408 OR BY EMAIL AT RDWYSTDS@ODOT.ORG