

MCDOT STANDARD CONSTRUCTION DETAILS

Last Updated: 1/18/24

PERMITS

DETAIL NAME	PERMIT DETAIL DWG. No.	REV DATE
Driveway Apron with Concrete Curb	1	JANUARY 2024
Driveway Apron with Granite Curb	1	JANUARY 2024
Driveway Apron with Granite Curb Installation	1	JANUARY 2024
Driveway Apron with Concrete Gutter	2	JANUARY 2024
Driveway Apron with Depressed Apron and Attached Sidewalk	2	JANUARY 2024
Driveway Apron with Depressed Apron, Sidewalk and Tree Lawn	2	JANUARY 2024
Driveway with Culvert	3	JANUARY 2024
Driveway with Sag Vertical Curve	3	JANUARY 2024
Driveway Taper Layout	3	JANUARY 2024
Asphalt Driveway With Sidewalk and Snow Storage	4	JANUARY 2024
Concrete Driveway Apron with Sidewalk	4	JANUARY 2024
Temporary Construction Access	4	JANUARY 2024
Access Road Connection with Curb to a County Highway with Curb	5	JANUARY 2024
Access Road Connection with Curb to a County Highway with Shoulder	5	JANUARY 2024
Access Road Connection with Gutter to a County Highway with Gutter	5	JANUARY 2024
Asphalt Patch over Full Depth Trench Replacement	6	JANUARY 2024
Asphalt Driveway Details	6	JANUARY 2024
Asphalt Shoulder - New or Replacement	6	JANUARY 2024
Access Road Connection with Gutter to a County Highway with Shoulder	7	JANUARY 2024
Access Road Connection with Median to a County Highway with Shoulder	7	JANUARY 2024
Access Road Connection without curb or Gutter to a County Highway with Shoulder	7	JANUARY 2024
Neighboring Driveways to a County Highway with Curb	8	JANUARY 2024
Concrete Apron or Driveway Section	8	JANUARY 2024
Typical Section with New Shoulders	8	JANUARY 2024
Drop Inlet NYSDOT Type S Cast In Place Base	9	JANUARY 2024
Drop Inlet NYSDOT Type S Precast Base	9	JANUARY 2024
Drop Inlet Type C (against Curb) Precast	9	JANUARY 2024
Altering Drainage Structures	10	JANUARY 2024
Altering Existing Manhole	10	JANUARY 2024
Alter Existing DI to Type A Manhole	10	JANUARY 2024
Pipe Abandonment Detail	10	JANUARY 2024
Field Inlet MCDOT Type A Cast In Place	11	JANUARY 2024
Field Inlet MCDOT Type A Pre-Cast	11	JANUARY 2024
Boring and Jacking	12	JANUARY 2024
Concrete Curb Replacement with Perforated Underdrain	12	JANUARY 2024
Drainage Notes	12	JANUARY 2024
Drain Line Connection Item	13	JANUARY 2024
Storm Sewer Lateral Connection to Existing Drainage Structure	13	JANUARY 2024
Field Inlet Stand Pipe - 12"	13	JANUARY 2024
Roadside Ditch Enclosure	14	JANUARY 2024
Precast Concrete Cover For Recessed Drop Inlets	14	JANUARY 2024
Precast Concrete Cover for Recessed Drop Inlet Type S	14	JANUARY 2024
Drain Line Bedding	15	JANUARY 2024
Storm Sewer Trench In Grass Area	15	JANUARY 2024
Storm Sewer Trench in Paved Area	15	JANUARY 2024
DI Cap Adjustment In Recess Curb Section	16	JANUARY 2024
Depressed Inlet Paving	16	JANUARY 2024
Trench and Pavement Restoration for Road Cut	17	JANUARY 2024
Utility Window and Restoration	17	JANUARY 2024
Trench Replacement - Full Depth with Asphalt Overlay	17	JANUARY 2024
Pavement Restoration for Milling or Reconstruction	18	JANUARY 2024
Manhole Frame and cover	18	JANUARY 2024
Sidewalk Tie-in with Residential Walk	18	JANUARY 2024
DI Cap Adjustment In Curb Section	19	JANUARY 2024
DI Cap Adjustment in Gutter Section	19	JANUARY 2024
Pavement Termination - Resurfacing	20	JANUARY 2024
Mailbox Installation	20	JANUARY 2024
DI Cap Adjustment in Pavement Section	20	JANUARY 2024
Concrete Gutter	21	JANUARY 2024
Concrete Gutter with Perforated Storm Sewer	21	JANUARY 2024
Concrete Gutter Detail with Perforated Underdrain	21	JANUARY 2024
Curb with Perforated Storm Sewer	21	JANUARY 2024
Concrete Curb Replacement with Perforated Underdrain	21	JANUARY 2024
Granite Curb Transition at New Driveway	21	JANUARY 2024
Granite Curb Detail with Perforated Underdrain	22	JANUARY 2024
Granite Curb Replacement with Perforated Underdrain	22	JANUARY 2024
Granite Curb Termination	22	JANUARY 2024
Typical Section with Curbs	22	JANUARY 2024
Typical Section with Gutter and Underdrain	22	JANUARY 2024
MCDOT Approval Stamp	22	JANUARY 2024

BRIDGES	
DETAIL NAME	REV DATE
BIN PLATE & DATE STAMP	April 2022
CONCRETE COLLAR - DRAINAGE CONNECTION	April 2022
CUTOFF WALL	April 2022
DATE STAMP	April 2022
RIP-RAP DETAIL AT CROSS CULVERT ENDS	April 2022
WATERPROOF MEMBRANE DETAIL AT CURB	April 2022

EROSION & SEDIMENT CONTROL	
DETAIL NAME	REV DATE
DRAINAGE INLET PROTECTION - TEMPORARY (SILT FENCE)	April 2022
DRAINAGE INLET PROTECTION - TEMPORARY (FIBER ROLL)	April 2022
WATER DISCHARGE CONTROL	April 2022

HIGHWAY & DRAINAGE	
DETAIL NAME	REV DATE
DRAINAGE NOTES	April 2022
MANHOLE FRAME AND COVER	April 2022
UNDERDRAIN OUTLET	April 2022
CONNECT PROPOSED STORM PIPE TO EXISTING STORM PIPE	April 2022
FIELD INLET - STAND PIPE 12"	April 2022
TYPICAL STONE APRON DETAIL	April 2022
ABANDON EXISTING DRAINAGE STRUCTURE IN PLACE - PIPE THRU	April 2022
ABANDON EXISTING DRAINAGE STRUCTURE IN PLACE - PLUG	April 2022
ALTER EXISTING DRAINAGE INLET TO TYPE 'A' MANHOLE	April 2022
ALTER EXISTING DRAINAGE STRUCTURES	April 2022
PLUGGING ABANDONED STORM MANHOLE	April 2022
ALTER EXISTING MANHOLE	April 2022
REMOVAL OF EXISTING DRAINAGE STRUCTURES	April 2022
LATERAL CONNECTION	April 2022
STORM SEWER TRENCH IN GRASS AREA	April 2022
TRENCH REPLACEMENT - FULL DEPTH WITH ASPHALT OVERLAY	April 2022
ABANDON EXISTING STORM SEWER	April 2022
STORM SEWER TRENCH IN PAVED AREA	April 2022
DRAINAGE STRUCTURES - PAY LIMITS / INVERTS	April 2022
DROP INLET TYPE "S" PRECAST AGAINST CURB	April 2022
FIELD INLET - MCDOT TYPE "A" PRE-CAST	April 2022

LIGHTING DETAILS	
DETAIL NAME	REV DATE
TYPICAL STREET LIGHTING CONNECTION DIAGRAM FOR STREET LIGHT POLE ASSEMBLIES	April 2022
POLYMER HANDHOLE (11" X 18" X12)	April 2022
ALTER ELEVATION OF PULLBOX DETAIL 1 (RAISING ABOVE 5 INCHES)	April 2022
ALTER ELEVATION OF PULLBOX DETAIL 2 (RAISING BELOW 5 INCHES, OR RESETTNG)	April 2022
ALTER ELEVATION OF PULLBOX DETAIL 3 (LOWERING)	April 2022
METAL LIGHT POLE FOUNDATION DETAIL	April 2022
TYPICAL CHEMICAL ANCHOR INSTALLATION	April 2022
CLEAN, GRADE, AND SHAPE AT LIGHT POLE FOUNDATION DETAIL	April 2022
TRANSFORMER BASE GROUNDING DETAIL	April 2022
EXISTING LIGHT STANDARD/TRANSFORMER BASE	April 2022
POWER POINT WIRING DIAGRAM - MISC EXAMPLES	April 2022
LIGHT POLE IDENTIFICATION LABEL LAYOUT	April 2022
ELEVATION-NEW STREET LIGHT POLE FOUNDATION	April 2022
CONCRETE PULLBOX	April 2022
CAST IRON FRAME AND COVER FOR CIRCULAR PULLBOXES	April 2022
LIGHT POLE BASE EXTENSION/DUAL CONDUIT	April 2022
CONDUIT FOR CONNECTION TO EXISTING IN-LINE FOUNDATION DETAIL	April 2022
CONDUIT FOR CONNECTION TO EXISTING OFFSET FOUNDATION DETAIL	April 2022
CLEAN, GRADE, AND SHAPE AT PULLBOX DETAIL	April 2022
JUNCTION BOX COVERING REMOVED LIGHT STANDARD	April 2022
POWER WIRING DETAIL	April 2022
TYPICAL UTILITY POLE CONDUIT RISER	April 2022
EXISTING TRANSFORMER BASE	April 2022
CONDUIT DETAIL AROUND LIGHT POLES OR HANDHOLES	April 2022
STAGGERED HANDHOLE DETAIL	April 2022

PAVEMENT CURB SIDEWALK AND GUTTER	
DETAIL NAME	REV DATE
SIDEWALK RAMP WITH GUTTER	April 2022
MAILBOX INSTALLATION	April 2022
SHOULDER WITH CURB TO GUTTER TRANSITION DETAIL	April 2022
PAVEMENT TERMINATION FOR MILLING OR RECONSTRUCTION	April 2022
PAVEMENT TERMINATION - RESURFACING	April 2022
TRANSITION FOR PAVEMENT AT DRIVEWAYS	April 2022
TEMPORARY PAVING JOINT	April 2022
SIDEWALK TIE-IN WITH RESIDENTIAL WALK	April 2022
ASPHALT DRIVEWAY DETAILS	April 2022
CURB WITH PERFORATED STORM SEWER	April 2022
DETAIL WITH GUTTER	April 2022
GRANITE CURB DETAIL WITH PERFORATED UNDERDRAIN	April 2022
CONCRETE GUTTER DETAIL WITH PERFORATED UNDERDRAIN	April 2022
DRIVEWAY APRON WITH GRANITE CURB INSTALLATION	April 2022
DRIVEWAY TAPER LAYOUT	April 2022
ASPHALT DRIVEWAY WITH SIDEWALK & SNOW STORAGE	April 2022
GRANITE CURB TRANSITION	April 2022
TYPICAL SECTION WITH NEW SHOULDERS	April 2022
TYPICAL SECTION WITH GUTTER AND UNDERDRAIN	April 2022
TYPICAL SECTION WITH CURBS	April 2022
RESET EXISTING PAVERS	April 2022
PAVEMENT TERMINATION	April 2022
LONGTUDINAL PAVEMENT WEDGE JOINT	April 2022

SANITARY SEWER & WATER	
DETAIL NAME	REV DATE
ABANDON EXISTING SANITARY SEWER	April 2022
ALTER EXISTING SANITARY MANHOLE	April 2022
CLEANOUT IN-LINE	April 2022
CONNECTION OF EXISTING SEWER TO NEW MANHOLE	April 2022
DISINFECTION BLOW-OFF SAMPLE TAP	April 2022
EXCAVATION LIMITS FOR SANITARY MANHOLE	April 2022
FLEXIBLE PIPE TO MANHOLE JOINT	April 2022
HYDRANT ASSEMBLY - PARALLEL	April 2022
HYDRANT ASSEMBLY - PERPENDICULAR	April 2022
HYDRANT RELOCATION	April 2022
MAINLINE VALVE	April 2022
MANHOLE COVER INSTALLATION	April 2022
MANHOLE JOINT	April 2022
MANHOLE PRECAST CONCRETE	April 2022
MANHOLE PRECAST CONCRETE INVERT	April 2022
OUTSIDE DROP CONNECTION TO MANHOLE	April 2022
PERMANENT MANUAL AIR RELEASE (1in)	April 2022
SANITARY SEWER NOTES	April 2022
SANITARY SEWER WYE BRANCH CONNECTION	April 2022
SHEETING SECTION	April 2022
TAPPING SLEEVE AND VALVE	April 2022
THRUST BLOCK	April 2022
WATER SERVICE INSTALLATION	April 2022
WATER SERVICE - RE-ESTABLISH CONNECTION	April 2022
WATERMAIN ABANDONMENT IN-LINE	April 2022
WATERMAIN BEDDING	April 2022
WATERMAIN NOTES	April 2022
WATERMAIN SEWER CROSSING	April 2022
WATERMAIN TEST METER	April 2022

SIGN & PAVEMENT MARKINGS	
DETAIL NAME	REV DATE
CROSSWALK MARKING DETAILS TWO WAY ROADWAYS	April 2022
PAVEMENT MARKINGS - LONG LINES	April 2022
DOUBLE YELLOW CENTERLINE	April 2022
TRAFFIC SIGNAGE LEGEND - MCDOT INSTALLED	April 2022
TRAFFIC SIGNAGE LEGEND - CONTRACTOR INSTALLED	April 2022
V-LOC SIGN POST BASE INSTALLATION IN CONCRETE	April 2022
PARKING SIGN BRACKET DETAILS	April 2022
PARKING SIGN INSTALLATION	April 2022
MOUNTING SIGN ON STEEL POLE	April 2022
POST-MOUNTED SIGN INSTALLATION IN SOIL WITH CURB OR GUTTER	April 2022
POST-MOUNTED STREET NAME SIGN INSTALLATION	April 2022
LEFT OR RIGHT TURN ARROW	April 2022
PAVEMENT MARKINGS AT INTERSECTION	April 2022
LEFT TURN PAVEMENT MARKINGS	April 2022
BEGINNING OF MEDIANS - STRIPING TREATMENT	April 2022
BICYCLE SYMBOL	April 2022
BICYCLE ARROW	April 2022
BICYCLE LANE MARKNG	April 2022
TWO-WAY CYCLE TRACK	April 2022
BICYCLE LANE TRANSITION MARKING	April 2022
TWO STAGE LEFT TURN QUEUE BOX	April 2022

SURVEY	
DETAIL NAME	REV DATE
PERMANENT SURVEY MARKER	April 2022
SURVEY MARKER CAP	April 2022
MONUMENT FRAME AND COVER	April 2022

TRAFFIC SIGNALS	
DETAIL NAME	REV DATE
CONCRETE BASE FOR CONTROLLER CABINET	OCTOBER 2023
FOUR-SECTION SIGNAL FACE	OCTOBER 2023
DISCONNECT HANGER FOR SPAN-WIRE MOUNTING	OCTOBER 2023