

LIST OF STANDARD DETAILS



March 2, 2026



2026 CONSTRUCTION SIGN DETAILS

Changes in number, title or effective date are bold

Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
01580-01	01580-01	Construction Sign	Construction Sign	11/27/2023
01582-01	01582-01	Construction Sign Build Houston Forward	Construction Sign Build Houston Forward	11/27/2023



2026 STORM SEWER DETAILS

Changes in number, title or effective date are bold

Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
01571-01	01570-01	Storm Water Pollution Prevention Plan Details	Storm Water Pollution Prevention Plan Details	3/2/2026
02081-04	02082-15	Storm Sewer Manhole Type "C" for Proposed Concrete Box Sewer	Storm Sewer Manhole Type "C" For Proposed Concrete Box Sewer	3/2/2026
02081-05	02082-17	Storm Sewer Manhole Type "E" For Existing Monolithic Reinforced Concrete 48" Diameter and Greater	Storm Sewer Manhole for Existing Monolithic Reinforced Concrete 48" Dia and Greater	3/2/2026
02081-06	02081-06	Storm Sewer Junction Box With Lid or Grate Top for Maximum of 24" Diameter Storm Sewers	Storm Sewer Junction Box With Lid or Grate Top for Maximum of 24" Dia Storm Sewer	3/2/2026
02081-07	NA	Lateral Connection to Existing Monolithic Reinforced Concrete Storm Sewer	NA	Retired
02081-08	02082-16	Proposed Manhole On Existing Box Storm Sewer	Proposed Manhole On Existing Box Storm Sewer	3/2/2026
02082-12	02082-12	Storm Sewer Type "C" Precast Round Manhole	Storm Sewer Type "C" Precast Round Manhole	3/2/2026
02082-13	02082-13	Storm Sewer Precast Box Manhole	Storm Sewer Precast Box Inlet/Manhole	3/2/2026
02084-02	02090-02	Storm Sewer Manhole Frame and Cover	Storm Sewer Manhole Frame and Cover	3/2/2026
02084-03	NA	Storm Sewer Type "B" Inlet Assembly	NA	Retired
02084-04	02090-04	Storm Sewer Type "BB" Inlet Double Assembly	Storm Sewer Type "B-B" Inlet Double Assembly	3/2/2026
02084-05	02090-05	Storm Sewer Frame and Grate for Type B-B Inlet Double Assembly	Storm Sewer Frame and Grate for Type "B-B" Inlet Double Assembly	3/2/2026
02084-06	02090-06	Storm Sewer Type "D" Inlet Grate and Frame	Storm Sewer Type "D" Inlet Grate and Frame	3/2/2026
02084-07	NA	Storm Sewer Type "D-1" Inlet Grate and Frame	NA	Retired
02084-08	02090-07	Storm Sewer Type "A" Inlet Grate and Frame	Storm Sewer Type "A" Inlet Grate and Frame	3/2/2026
02084-09	02090-08	Storm Sewer Type "C-1", "C-2", "C-2A" and "H-2" Inlet Frame and Cover	Storm Sewer Type "C", "C-1" and "C-2" Inlet Frame and Cover	3/2/2026
02084-10	02090-09	32" Inverted Manhole Frame	32" Inverted Manhole Frame	3/2/2026
02084-11	02090-10	Storm Sewer Ring Grate for Open End of 18" to 72" RCP Stubs to Ditch	Storm Sewer Ring Grate for Open End of 18" to 72" RCP Stubs to Ditch	3/2/2026
02317-02	02317-02	Sanitary or Storm Sewer Crushed Stone Foundation for Wet Stable Trench	Sanitary or Storm Sewer Crushed Stone Foundation for Wet Stable Trench	3/2/2026
02317-03	02317-03	Sanitary or Storm Sewer Bedding and Backfill for Dry Stable Trench	Sanitary or Storm Sewer Bedding and Backfill for Dry Stable Trench	3/2/2026
02317-05	02317-05	Precast Concrete Box Storm Sewer Bedding and Backfill for Dry Stable Trench	Precast Concrete Box Storm Sewer Bedding and Backfill for Dry Stable Trench	3/2/2026
02317-06	02317-06	Precast Concrete Box Storm Sewer Bedding and Backfill for Wet Stable Trench	Precast Concrete Box Storm Sewer Bedding and Backfill for Wet Stable Trench	3/2/2026
02317-07	02317-07	Precast Concrete Box Storm Sewer Bedding and Backfill with Seal Slab	Precast Concrete Box Storm Sewer Bedding and Backfill with Seal Slab	3/2/2026
02632-01	NA	Storm Sewer Type "A" Grate Inlet	NA	Retired
02632-03	NA	Storm Sewer Type "B" Inlet Relocation	NA	Retired
02632-04	02632-04	Storm Sewer Type "B-B" Inlet	Storm Sewer Type "B-B" Inlet for Maintenance Only	3/2/2026



2026 STORM SEWER DETAILS

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Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02632-05	NA	Storm sewer Type "B" Inlet Relocation	NA	Retired
02632-06	NA	Sewer Type "C-1", "C-2" And "C-2A" Inlet	NA	Retired
02632-07	NA	Storm Sewer Type "D" Inlet	NA	Retired
02632-08	NA	Storm Sewer Type "D-1" Inlet	NA	Retired
02632-09	02632-09	Storm Sewer Type "E" Inlet	Storm Sewer Type "E" Inlet	3/2/2026
02632-10	02632-10	Storm Sewer Type "E" Inlet on Exist. Monolithic Conc. Sewers of 48" Dia & Greater	Storm Sewer Type "E" Inlet on Exist Monolithic Conc Sewers of 48" Dia & Greater	3/2/2026
02632-11	*02631-GD01	Side Street Ditch Reception	Side Street Ditch Reception (Not to be Used as Standard)	3/2/2026
NA	02082-14	NA	Precast Concrete Top Slab LID	Retired
NA	02090-03	NA	32" Storm Sewer Manhole Frame and Grate	3/2/2026
NA	02090-11	NA	48" Storm Sewer Manhole Frame and Cover	3/2/2026
NA	02090-13	NA	30" Storm Sewer Manhole Frame and Hinged Cover	3/2/2026
NA	02090-14	NA	Storm Sewer Frame and Grate for Type "B-B" Inlet Double Assembly with CamLock	3/2/2026
NA	02091-02	NA	Storm Sewer Non-Metallic Manhole Frame and Cover	3/2/2026
NA	02317-10G	NA	Storm Sewer Bedding and Backfill for Thermoplastic Pipe in Dry Stable Trench	3/2/2026
NA	02633-01	NA	Precast Concrete Storm Sewer Inlet Type "A"	3/2/2026
NA	02633-02	NA	Precast Concrete Storm Sewer Inlet Type "B-B", "B-B(1)" and "B-B(2)"	3/2/2026
NA	02633-03	NA	Precast Concrete Storm Sewer Inlet Type "C", "C-1", and "C-2"	3/2/2026
NA	02633-04	NA	Precast Concrete Storm Sewer Inlet Type "D"	3/2/2026
NA	02771-03	NA	Curb and Gutter Transition for Precast Inlet Type "B-B", "B-B(1)" and "B-B(2)"	3/2/2026
NA	02771-04	NA	Curb and Gutter Transition for Precast Inlet Type "C", "C-1", and "C-2"	3/2/2026



2026 STREETCUT DETAILS

Changes in number, title or effective date are bold

Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02951-01	02951-01	Street Cut for Concrete Pavement Replacement/Restoration Age of Pavement <= 5yrs	Street Cut for Concrete Pavement Replacement/Restoration Age of Pavement <= 5yrs	11/27/2023
02951-02	02951-02	Street Cut for Concrete Pavement Replacement/Restoration Age of Pavement > 5yrs	Street Cut for Concrete Pavement Replacement/Restoration Age of Pavement > 5yrs	11/27/2023
02951-03	02951-03	Street Cut for Asphalt Pavement Replacement/Restoration for Pavement of All Ages	Street Cut for Asphalt Pavement Replacement/Restoration for Pavement of All Ages	11/27/2023
02951-04	02951-04	Pavement Repair Detail for Street Cuts (Flex-Base Pavement & Concrete Pavement)	Pavement Repair Detail for Street Cuts (Flex-Base Pavement & Concrete Pavement)	11/27/2023
02951-05	02951-05	Pavement Repair Detail for Street Cuts (Non-Reinforced Concrete & Brick Pavement)	Pavement Repair Detail for Street Cuts (Non-Reinforced Concrete & Brick Pavement)	11/27/2023



2026 STREET PAVING AND SIDEWALK DETAILS

Changes in number, title or effective date are bold

Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02632-11	*02631-GD01	Side Street Ditch Reception	Side Street Ditch Reception (Not to be Used as Standard)	3/2/2026
02741-01	02741-01	Hot Mix Asphaltic Concrete Pavement Details	Hot Mix Asphaltic Concrete Pavement Details	11/27/2023
02751-01	02751-01	Concrete Pavement Details	Concrete Pavement Details	11/27/2023
02752-01	02752-01	Pavement Expansion and Construction Joint Details	Pavement Expansion and Construction Joint Details	11/27/2023
02752-02	02752-02	Sidewalk Expansion and Construction Joint Details	Sidewalk Expansion and Construction Joint Details	11/27/2023
02754-01A	02754-01A	Driveway Detail with 4"x12" Curb for Local Residential Street	Driveway Detail with 4"x12" Curb for Local Residential Street	11/27/2023
02754-01B	02754-01B	Driveway Detail with 6" Curbed Streets	Driveway Detail with 6" Curbed Streets	11/27/2023
02754-02	02754-02	Driveways with Culverts on Open Ditch Type Streets	Driveways with Culverts on Open Ditch Type Streets	3/2/2026
02754-03	02754-03	Proposed Sidewalk Through Driveway with Excessive Elevation Difference	Proposed Sidewalk Through Driveway with Excessive Elevation Difference	11/27/2023
02754-04	02754-04	Proposed Sidewalk Through Driveway with Minimal Elevation Difference	Proposed Sidewalk Through Driveway with Minimal Elevation Difference	11/27/2023
02771-01	02771-01	Curb, Curb and Gutter, and Header Details	Curb, Curb and Gutter, and Header Details	11/27/2023
02771-02	02771-02	14" Wide Precast Concrete Curb for Bicycle Lanes	14" Wide Precast Concrete Curb for Bicycle Lanes	11/27/2023
02772-01	02772-01	Esplanade Nose and Left Turn Details	Esplanade Nose and Left Turn Details	11/27/2023
02775-01	02775-01	Typical Sidewalk Layout and Details for Streets with Curbs	Typical Sidewalk Layout and Details for Streets with Curbs	11/27/2023
02775-02	02775-02	Typical Curb Ramp Details	Typical Curb Ramp Details	11/27/2023
02775-03	02775-03	Parallel Curb Ramp	Parallel Curb Ramp	11/27/2023
02775-04	02775-04	Curb Modification for Curb Ramps & Crosswalks	Curb Modification for Curb Ramps & Crosswalks	11/27/2023
02775-05	02775-05	Commercial & High Density Conditions Curb Ramp Details	Commercial & High Density Conditions Curb Ramp Details	11/27/2023
02775-06	02775-06	Detectable Warning Curb Ramp Details	Detectable Warning Curb Ramp Details	11/27/2023
02775-07	02775-07	Detectable Warning Surface (Options)	Detectable Warning Surface (Options)	11/27/2023
02775-08	02775-08	Sidewalks and Clear Zone Transit Corridor Street	Sidewalks and Clear Zone Transit Corridor Street	11/27/2023
02775-09	02775-09	Perpendicular Curb Ramp	Perpendicular Curb Ramp	11/27/2023
02775-10	02775-10	Retrofit Bikeway at Floating Bus Stop	Retrofit Bikeway at Floating Bus Stop	11/27/2023
02871-01	02871-01	Bike Rack	Bike Rack	11/27/2023
31-01	31-01	Refer to City of Houston Amendments to the 2015 International Building Code page 121	Refer to City of Houston Amendments to the 2021 International Building Code page 115	NA
31-02	31-02	Refer to City of Houston Amendments to the 2015 International Building Code page 122	Refer to City of Houston Amendments to the 2021 International Building Code page 116	NA



2026 TRAFFIC DETAILS

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Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
01554-01	01554-01	General Notes and Ground Mounting Sign	General Notes and Ground Mounting Sign	11/27/2023
01554-02	01554-02	Sign Base Hard Surface Mounting Details	Sign Base Hard Surface Mounting Details	11/27/2023
01554-03	01554-03	Street Name Sign and Sign Mounting	Street Name Sign and Sign Mounting	11/27/2023
01554-04	01554-04	Custom Signs	Custom Signs	11/27/2023
01554-05A	01554-05A	Houston Bikeway Signage (Sheet 1 of 2)	Houston Bikeway Signage (Sheet 1 of 2)	11/27/2023
01554-05B	01554-05B	Houston Bikeway Signage (Sheet 2 of 2)	Houston Bikeway Signage (Sheet 2 of 2)	11/27/2023
01554-06	01554-06	Ground Mounted Sign Sizes	Ground Mounted Sign Sizes	11/27/2023
01554-07	01554-07	Typical Sign Placement	Typical Sign Placement	11/27/2023
01554-08	01554-08	Typical City of Houston Signs (Sheet 1 of 2)	Typical City of Houston Signs (Sheet 1 of 2)	11/27/2023
01554-09	01554-09	Typical City of Houston Signs (Sheet 2 of 2)	Typical City of Houston Signs (Sheet 2 of 2)	11/27/2023
01554-10	01554-10	Summary of Small Signs	Summary of Small Signs	11/27/2023
01554-11	01554-11	Overhead Street Name Sign Mounting Details	Overhead Street Name Sign Mounting Details	11/27/2023
01555-01	01555-01	TCP Notes Channelizing Devices and Barricades	TCP Notes Channelizing Devices and Barricades	11/27/2023
01555-02	01555-02	TCP Overall Traffic Control Layout	TCP Overall Traffic Control Layout	11/27/2023
01555-03	01555-03	Traffic Control Layout	Traffic Control Layout	11/27/2023
01555-04	01555-04	TCP One Lane Closure Phase 1 & 2	TCP One Lane Closure Phase 1 & 2	11/27/2023
01555-05	01555-05	TCP Typical Detour Routing with One Lane Closure (One Block)	TCP Typical Detour Routing with One Lane Closure (One Block)	11/27/2023
01555-06	01555-06	TCP Typical Construction Zone at a T-Intersection Phase 1 of 3	TCP Typical Construction Zone at a T-Intersection Phase 1 of 3	11/27/2023
01555-07	01555-07	TCP Typical Construction Zone at a T-Intersection Phase 2 of 3	TCP Typical Construction Zone at a T-Intersection Phase 2 of 3	11/27/2023
01555-08	01555-08	TCP Typical Construction Zone at a T-Intersection Phase 3 of 3	TCP Typical Construction Zone at a T-Intersection Phase 3 of 3	11/27/2023
01555-09	01555-09	TCP Typical Construction Zone at a 4-Way Intersection (Low Volume Traffic) Phase 1 of 4	TCP Typical Construction Zone at a 4-Way Intersection (Low Volume Traffic) Phase 1 of 4	11/27/2023
01555-10	01555-10	TCP Typical Construction Zone at a 4-Way Intersection (Low Volume Traffic) Phase 2 of 4	TCP Typical Construction Zone at a 4-Way Intersection (Low Volume Traffic) Phase 2 of 4	11/27/2023
01555-11	01555-11	TCP Typical Construction Zone at a 4-Way Intersection (Low Volume Traffic) Phase 3 of 4	TCP Typical Construction Zone at a 4-Way Intersection (Low Volume Traffic) Phase 3 of 4	11/27/2023
01555-12	01555-12	TCP Typical Construction Zone at a 4-Way Intersection (Low Volume Traffic) Phase 4 of 4	TCP Typical Construction Zone at a 4-Way Intersection (Low Volume Traffic) Phase 4 of 4	11/27/2023



2026 TRAFFIC DETAILS

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Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
01555-13	01555-13	Traffic Control Plan for Signal Construction	Traffic Control Plan for Signal Construction	11/27/2023
01555-14	01555-14	Barricade and Channelizing Devices	Barricade and Channelizing Devices	11/27/2023
01555-15	01555-15	End of Street Sign	End of Street Sign	11/27/2023
01555-16	01555-16	Crosswalk Closures And Pedestrian Detours	Crosswalk Closures And Pedestrian Detours	11/27/2023
02465-01	02465-01	Drilled Shaft Foundations	Drilled Shaft Foundations	11/27/2023
02465-02	02465-02	Pedestal/Pushbutton Pole Drilled Shaft Foundation	Pedestal/Pushbutton Pole Drilled Shaft Foundation	11/27/2023
02582-01	02582-01	Typical Mast Arm/Pole Fixture Configuration	Typical Mast Arm/Pole Fixture Configuration	11/27/2023
02582-02	02582-02	Traffic Signal Structures (Sheet 1 of 2)	Traffic Signal Structures (Sheet 1 of 2)	11/27/2023
02582-03	02582-03	Traffic Signal Structures (Sheet 2 of 2)	Traffic Signal Structures (Sheet 2 of 2)	11/27/2023
02582-04	02582-04	Pedestal Pole with Screw-in Anchor Foundation (For School Zone Flashers Only)	Pedestal Pole with Screw-in Anchor Foundation (For School Zone Flashers Only)	11/27/2023
02760-01	02760-01	Pavement Markings General Notes and Legends	Pavement Markings General Notes and Legends	11/27/2023
02760-02	02760-02	Left/Right-Turn "Only" and Arrow Spacing	Left/Right-Turn "Only" and Arrow Spacing	11/27/2023
02760-03	02760-03	Standard Pavement Marking (Words)	Standard Pavement Marking (Words)	11/27/2023
02760-04	02760-04	Standard Pavement Marking - Symbols	Standard Pavement Marking - Symbols	11/27/2023
02760-05	02760-05	Standard Pavement Markings with Reflective Raised Pavement Markers for Position Guidance	Standard Pavement Markings with Reflective Raised Pavement Markers for Position Guidance	11/27/2023
02760-06	02760-06	Reflective Chip Seal Marker Use for Temporary Markings	Reflective Chip Seal Marker Use for Temporary Markings	11/27/2023
02760-07	02760-07	Pavement Markings for Accessible Parking	Pavement Markings for Accessible Parking	11/27/2023
02760-08	02760-08	Railroad Crossing Pavement Marking Details	Railroad Crossing Pavement Marking Details	11/27/2023
02760-09	02760-09	Bicycle Lane Pavement Markings	Bicycle Lane Pavement Markings	11/27/2023
02760-10	02760-10	Bicycle Intersection Treatments (Sheet 1 of 2)	Bicycle Intersection Treatments (Sheet 1 of 2)	11/27/2023
02760-11	02760-11	Bicycle Intersection Treatments (Sheet 2 of 2)	Bicycle Intersection Treatments (Sheet 2 of 2)	11/27/2023
02760-12	02760-12	Typical Crosswalk Details	Typical Crosswalk Details	11/27/2023
02760-13	02760-13	Left-Turn Lane & Right-Turn Lane Design (Sheet 1 of 2)	Left-Turn Lane & Right-Turn Lane Design (Sheet 1 of 2)	11/27/2023
02760-14	02760-14	Left-Turn Lane & Right-Turn Lane Design (Sheet 2 of 2)	Left-Turn Lane & Right-Turn Lane Design (Sheet 2 of 2)	11/27/2023



2026 TRAFFIC DETAILS

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Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02760-15	02760-15	Two-Way Left-Turn Lane Detail 1	Two-Way Left-Turn Lane Detail 1	11/27/2023
02760-16	02760-16	Two-Way Left-Turn Lane Detail 2	Two-Way Left-Turn Lane Detail 2	11/27/2023
02893-01	02893-01	Hardware Legends	Hardware Legends	11/27/2023
02893-02	02893-02	Electrical Service Support Pedestal Service Type PS	Electrical Service Support Pedestal Service Type PS	11/27/2023
02893-03	02893-03	Meter Loop	Meter Loop	11/27/2023
02893-04	02893-04	Hardware Interconnect Details	Hardware Interconnect Details	11/27/2023
02893-05	02893-05	Truck Fiber Aerial to Underground Transitions	Truck Fiber Aerial to Underground Transitions	11/27/2023
13501-01	13501-01	Speed Cushions Arrangement and Installation	Speed Cushions Arrangement and Installation	11/27/2023
16700-01	16700-01	Communications Overview	Communications Overview	11/27/2023
16710-01	16710-01	Pull Boxes	Pull Boxes	11/27/2023
16712-03	16712-03	Solar Powered School Zone Flashing Beacon	Solar Powered School Zone Flashing Beacon	11/27/2023
16727-01	16727-01	Loop Detector Installation Details	Loop Detector Installation Details	11/27/2023
16730-01	16730-01	Controller Foundations (Sheet 1 of 3)	Controller Foundations (Sheet 1 of 3)	11/27/2023
16730-02	16730-02	Controller Foundations (Sheet 2 of 3)	Controller Foundations (Sheet 2 of 3)	11/27/2023
16730-03	16730-03	Controller Foundations (Sheet 3 of 3)	Controller Foundations (Sheet 3 of 3)	11/27/2023
16737-01	16737-01	Communications Service Box Details	Communications Service Box Details	11/27/2023
16738-01	16738-01	Antenna Mounting Details	Antenna Mounting Details	11/27/2023
16742-01	16742-01	Video Camera Mounting Details	Video Camera Mounting Details	11/27/2023



2026 TREE AND HARDSCAPE DETAILS

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Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
01562-01	01562-01	Tree Protection General Requirements	Tree Protection General Requirements	11/27/2023
01562-02	01562-02	Tree Protection Tree and Root Pruning	Tree Protection Tree and Root Pruning	11/27/2023
01562-03	01562-03	Tree Protection/In Sidewalk Repairs in Parkway Areas	Tree Protection/In Sidewalk Repairs in Parkway Areas	11/27/2023
01562-04	01562-04	Tree Protection Zero Curb Cut	Tree Protection Zero Curb Cut	11/27/2023
01562-05	01562-05	Tree Protection Tunneling Requirements	Tree Protection Tunneling Requirements	11/27/2023
01562-06	01562-06	Tree Protection Trench Requirements	Tree Protection Trench Requirements	11/27/2023
01562-07	01562-07	Tree Boarding	Tree Boarding	11/27/2023
02912-01	02912-01	Tree Root Barriers (Circular)	Tree Root Barriers (Circular)	11/27/2023
02912-02	02912-02	Tree Root Barrier (Linear)	Tree Root Barrier (Linear)	11/27/2023



2026 WASTEWATER DETAILS

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Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02082-01	02082-01	Sanitary Sewer Shallow Manhole	Sanitary Sewer Shallow Manhole	10/1/2002
02082-02	02082-02	Sanitary Sewer 4'-0" Diameter Precast Concrete Manhole	Sanitary Sewer 4'-0" Diameter Precast Concrete Manhole	7/1/2010
02082-03	02082-03	Sanitary Sewer 5'-0" to 8'-0" Diameter Precast Concrete Manhole	Sanitary Sewer 5'-0" to 8'-0" Diameter Precast Concrete Manhole	7/1/2010
02082-04	02082-04	Sanitary Sewer Pile Supported Manhole for Unstable Subgrade	Sanitary Sewer Pile Supported Manhole for Unstable Subgrade	10/1/2002
02082-05	02082-05	Sanitary Sewer Crushed Stone Supported Manhole for Wet Stable Trench	Sanitary Sewer Crushed Stone Supported Manhole for Wet Stable Trench	10/1/2002
02082-06	02082-06	Sanitary Sewer Manhole Vent for Sealed Manhole	Sanitary Sewer Manhole Vent for Sealed Manhole	7/1/2021
02082-07	02082-07	Sanitary Sewer Corrosion Resistant Manhole for Force Main Discharge	Sanitary Sewer Corrosion Resistant Manhole for Force Main Discharge	10/1/2002
02082-08	02082-08	Sanitary Sewer Precast Concrete Manhole with Cast-In-Place Base	Sanitary Sewer Precast Concrete Manhole with Cast-In-Place Base	7/1/2010
02082-09	02082-09	Sanitary Sewer Air Release or Air/ Vacuum Release Valve Manhole	Sanitary Sewer Air Release or Air/ Vacuum Release Valve Manhole	10/1/2002
02082N-02	02082N-02	Sanitary Sewer 4'-0" Diameter Precast Concrete Manhole Notes	Sanitary Sewer 4'-0" Diameter Precast Concrete Manhole Notes	10/1/2002
02082N-03	02082N-03	Sanitary Sewer 5'-0" to 8'-0" Diameter Precast Concrete Manhole Notes	Sanitary Sewer 5'-0" to 8'-0" Diameter Precast Concrete Manhole Notes	10/1/2002
02083-01	02083-01	Sanitary Sewer 4'-0" Diameter Fiberglass Manhole	Sanitary Sewer 4'-0" Diameter Fiberglass Manhole	10/1/2002
02083-02	02083-02	Sanitary Sewer 5'-0" to 8'-0" Diameter Fiberglass Manhole	Sanitary Sewer 5'-0" to 8'-0" Diameter Fiberglass Manhole	10/1/2002
02083-03	02083-03	Sanitary Sewer Fiberglass Manhole with Cast-In-Place Base	Sanitary Sewer Fiberglass Manhole with Cast-In-Place Base	10/1/2002
02083N-01	02083N-01	Sanitary Sewer 4'-0" Diameter Fiberglass Manhole Notes	Sanitary Sewer 4'-0" Diameter Fiberglass Manhole Notes	10/1/2002
02084-02A	02084-02A	Steel Adjusting Riser	Steel Adjusting Riser	NA
02084-02B	02084-02B	Steel Adjusting Riser	Steel Adjusting Riser	NA
02084-09A	02084-09A	Steel Adjusting Riser	Steel Adjusting Riser	NA
02084-09B	02084-09B	Steel Adjusting Riser	Steel Adjusting Riser	NA
02090-01	02090-01	Sanitary Sewer And Water Manhole Frame and Cover	Sanitary Sewer And Water Manhole Frame and Cover	7/1/2016
02091-01	02091-01	Non-Metallic Manhole Frame and Cover	Non-Metallic Manhole Frame and Cover	7/1/2021



2026 WASTEWATER DETAILS

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Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02317-01	02317-01	Sanitary Sewer Embedment and Trench Zone Backfill for Dry or Wet Stable Trench	Sanitary Sewer Embedment and Trench Zone Backfill for Dry or Wet Stable Trench	7/1/2016
02317-02	02317-02	Sanitary or Storm Sewer Crushed Stone Foundation for Wet Stable Trench	Sanitary or Storm Sewer Crushed Stone Foundation for Wet Stable Trench	3/2/2026
02317-03	02317-03	Sanitary or Storm Sewer Bedding and Backfill for Dry Stable Trench	Sanitary or Storm Sewer Bedding and Backfill for Dry Stable Trench	3/2/2026
02317-08	02317-08	Sanitary Sewer Backfill of Shafts	Sanitary Sewer Backfill of Shafts	10/1/2002
02531-01	02531-01	Sanitary Sewer Sealing of Sliplining at Manhole	Sanitary Sewer Sealing of Sliplining at Manhole	10/1/2002
02531-02	02531-02	Sanitary Sewer Sealing of Cured-In-Place Liner at Manhole	Sanitary Sewer Sealing of Cured-In-Place Liner at Manhole	10/1/2002
02531-03	02531-03	Sanitary Sewer Ductile Iron Pipe Storm Sewer Crossing	Sanitary Sewer Ductile Iron Pipe Storm Sewer Crossing	10/1/2002
02531-04	02531-04	Sanitary Sewer Pipe Transition For 36" Sewer and Smaller	Sanitary Sewer Pipe Transition For 36" Sewer and Smaller	10/1/2002
02531-05	02531-05	Sanitary Sewer Installing Sanitary Sewers Crossing or Parallel to Water Lines	Sanitary Sewer Installing Sanitary Sewers Crossing or Parallel to Water Lines	7/1/2010
02531-06	02531-06	Sanitary Sewer Sealing Penetration Through PVC-Lined Concrete Wall	Sanitary Sewer Sealing Penetration Through PVC-Lined Concrete Wall	10/1/2002
02531-07	02531-07	Sanitary Sewer Concrete Collar Detail for Connecting Existing Monolithic Sewers to Pipe Sewers	Sanitary Sewer Concrete Collar Detail for Connecting Existing Monolithic Sewers to Pipe Sewers	10/1/2002
02534-01	02534-01	Sanitary Sewer Service Reconnection for Liner Pipe	Sanitary Sewer Service Reconnection for Liner Pipe	10/1/2002
02534-02	02534-02	Sanitary Sewer Service Reconnection with Stack on New or Replacement Sewer	Sanitary Sewer Service Reconnection with Stack on New or Replacement Sewer	10/1/2002
02534-03	02534-03	Sanitary Sewer Service Line Reconnection for Storm Sewer Conflicts	Sanitary Sewer Service Line Reconnection for Storm Sewer Conflicts	10/1/2002
02534-03A	02534-03A	Sanitary Sewer Manhole Lining Payment Limits	Sanitary Sewer Manhole Lining Payment Limits	10/1/2002
02534-04	02534-04	Sanitary Sewer Service Reconnection on New or Replacement Sewer	Sanitary Sewer Service Reconnection on New or Replacement Sewer	10/1/2002
02534-05	02534-05	Standard Cleanout Detail on Service Lead	Standard Cleanout Detail on Service Lead	7/1/2010



2026 WATER DETAILS

Changes in number, title or effective date are bold

Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02082-10	02082-10	Standard LDWL Access Manhole Details	Standard LDWL Access Manhole Details	7/1/2021
02082-11	02082-11	Standard LDWL SAF-T-Climb Details for Extra Depth Manhole	Standard LDWL SAF-T-Climb Details for Extra Depth Manhole	3/20/2018
02085-01	02085-01	Standard Plastic Meter Box for 5/8" and 1" Meters	Standard Plastic Meter Box for 5/8" and 1" Meters	7/1/2010
02085-02	02085-02	Location of Water Meter Box for 2" Diameter and Less	Location of Water Meter Box for 2" Diameter and Less	7/1/2010
02085-03	02085-03	Valve Box Detail	Valve Box Detail	7/1/2010
02090-01	02090-01	Sanitary Sewer And Water Manhole Frame and Cover	Sanitary Sewer And Water Manhole Frame and Cover	7/1/2016
02090-12	02090-12	Standard LDWL 48-Inch DIA Heavy Duty Manhole Frame and Cover Detail	Standard LDWL 48-Inch DIA Heavy Duty Manhole Frame and Cover Detail	3/20/2018
02317-04	02317-04	Water Distribution Main Bedding and Backfill for Open Cut Trenches	Water Distribution Main Bedding and Backfill for Open Cut Trenches	7/1/2010
02317-09	02317-09	Standard LDWL Excavation and Backfill Detail	Standard LDWL Excavation and Backfill Detail	7/1/2021
02447-01	02447-01	Bedding and Backfill Auger Pit and Auger Hole	Bedding and Backfill Auger Pit and Auger Hole	7/1/2010
02502-01	02502-01	Standard Pipe Guard	Standard Pipe Guard	7/1/2010
02507-01	02507-01	Standard LDWL Prestressed Concrete Cylinder Pipe Details	Standard LDWL Prestressed Concrete Cylinder Pipe Details	3/20/2018
02511-01	02511-01	Typical Pipe Offset Section for Water Lines	Typical Pipe Offset Section for Water Lines	7/1/2010
02511-02	02511-02	Thrust Block Detail for Water Lines (4-inch to 12-inch)	Thrust Block Detail for Water Lines (4-inch to 12-inch)	7/1/2010
02511-03	02511-03	Standard LDWL Drain Line Valve Details	Standard LDWL Drain Line Valve Details	3/20/2018
02512-01	02512-01	Typical 3/4" Through 2" Service Arrangements	Typical 3/4" Through 2" Service Arrangements	7/1/2016
02512-02	02512-02	Service Taps	Service Taps	7/1/2010
02512-03	02512-03	Back Tap on Existing Line	Back Tap on Existing Line	7/1/2016
02512-04	02512-04	Standard Tap to Existing Steel Main	Standard Tap to Existing Steel Main	7/1/2010
02517-01	02517-01	LDWL Tunnel and Casing Details for Water Lines 24-inch and Larger	LDWL Tunnel and Casing Details for Water Lines 24-inch and Larger	7/1/2021
02518-01	02518-01	Standard LDWL Steel Pipe Details (Sheet 1 of 2)	Standard LDWL Steel Pipe Details (Sheet 1 of 2)	3/20/2018



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Changes in number, title or effective date are bold

Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02518-02	02518-02	Standard LDWL Steel Pipe Details (Sheet 2 of 2)	Standard LDWL Steel Pipe Details (Sheet 2 of 2)	3/20/2018
02520-01	02520-01	Standard Fire Hydrant Detail	Standard Fire Hydrant Detail	7/1/2021
02522-01	02522-01	Standard LDWL Butterfly Valve and Operator Manhole Details	Standard LDWL Butterfly Valve and Operator Manhole Details	3/20/2018
02523-01	02523-01	Reduced Pressure Backflow Preventer (RPBP)	Reduced Pressure Backflow Preventer (RPBP)	7/1/2010
02524-01	02524-01	Permanent Blow-Off-Detail	Permanent Blow-Off-Detail	7/1/2010
02524-02	02524-02	LDWL Combination Air Valve Assembly in Service Manhole Details	LDWL Combination Air Valve Assembly in Service Manhole Details	3/20/2018
02524-03	02524-03	LDWL Air Valve Assembly in Service Manhole Detail	LDWL Air Valve Assembly in Service Manhole Detail	7/1/2021
02526-01	02526-01	Typical Meter Settings	Typical Meter Settings	7/1/2010
02526-02	02526-02	Typical Piping Arrangement 3" Turbine/Compound Meter Standard Service	Typical Piping Arrangement 3" Turbine/Compound Meter Standard Service	7/1/2010
02526-03	02526-03	Typical Piping Arrangement 4" Turbine/Compound Meter Standard Service	Typical Piping Arrangement 4" Turbine/Compound Meter Standard Service	7/1/2010
02526-04	02526-04	Typical Piping Arrangement 6" Turbine/Compound Meter Standard Service	Typical Piping Arrangement 6" Turbine/Compound Meter Standard Service	7/1/2010
02526-05	02526-05	Typical Piping Arrangement 8" Turbine Meter Standard Service	Typical Piping Arrangement 8" Turbine Meter Standard Service	7/1/2010
02526-06	02526-06	Typical Piping Arrangement 10" Turbine Meter Standard Service	Typical Piping Arrangement 10" Turbine Meter Standard Service	7/1/2010
02526-07	02526-07	Typical Piping Arrangement 4" & 6" Fire Service Turbine Meter Standard Service	Typical Piping Arrangement 4" & 6" Fire Service Turbine Meter Standard Service	7/1/2010
02526-08	02526-08	Typical Piping Arrangement 8" Fire Service Turbine Meter Standard Service	Typical Piping Arrangement 8" Fire Service Turbine Meter Standard Service	7/1/2010
02526-09	02526-09	Typical Piping Arrangement 10" Fire Service Turbine Meter Standard Service	Typical Piping Arrangement 10" Fire Service Turbine Meter Standard Service	7/1/2010
02526-10	02526-10	Typical Service Line and Ariser Piping to Meter Vaults	Typical Service Line and Ariser Piping to Meter Vaults	7/1/2010
02526-11	02526-11	Structural Details Turbine/Compound Meter Standard Service	Structural Details Turbine/Compound Meter Standard Service	7/1/2010
02526-12	02526-12	Structural Details Turbine/Combine Meter Standard Service	Structural Details Turbine/Combine Meter Standard Service	7/1/2010
02526-13	02526-13	Structural Plans Fire Service Meters	Structural Plans Fire Service Meters	7/1/2010
02526-14	02526-14	Schematic Irrigation Tee Off Domestic 3/4" Thru 2"	Schematic Irrigation Tee Off Domestic 3/4" Thru 2"	7/1/2010



2026 WATER DETAILS

Changes in number, title or effective date are bold

Standard Detail No. (2023)	Standard Detail No. (2026)	Standard Detail Title (2023)	Standard Detail Title (2026)	Effective Date
02526-15	02526-15	Schematic Basement Installation Electromagnetic Meter 3" Thru 10"	Schematic Basement Installation Electromagnetic Meter 3" Thru 10"	7/1/2010
02526-16	02526-16	Schematic Above Ground Fire Rated Compound Meter Installation 3" And Larger	Schematic Above Ground Fire Rated Compound Meter Installation 3" And Larger	7/1/2010
02526-17	02526-17	Schematic Above Ground Electromagnetic Meter Installation 3" And Larger	Schematic Above Ground Electromagnetic Meter Installation 3" And Larger	7/1/2010
02613-01	02613-01	Standard LDWL Bar Wrapped Cylinder Pipe Joint Detail	Standard LDWL Bar Wrapped Cylinder Pipe Joint Detail	3/20/2018
15640-01	15640-01	Standard LDWL Cathodic Protection Details for Joint Bonding (Sheet 1 of 2)	Standard LDWL Cathodic Protection Details for Joint Bonding (Sheet 1 of 2)	3/20/2018
15640-02	15640-02	Standard LDWL Cathodic Protection Details for Joint Bonding (Sheet 2 of 2)	Standard LDWL Cathodic Protection Details for Joint Bonding (Sheet 2 of 2)	3/20/2018
15641-01	15641-01	Standard LDWL Cathodic Protection Details for Test Stations (Sheet 1 of 3)	Standard LDWL Cathodic Protection Details for Test Stations (Sheet 1 of 3)	7/1/2021
15641-02	15641-02	Standard LDWL Cathodic Protection Details for Test Stations (Sheet 2 of 3)	Standard LDWL Cathodic Protection Details for Test Stations (Sheet 2 of 3)	7/1/2021
15641-03	15641-03	Standard LDWL Cathodic Protection Details for Test Stations (Sheet 3 of 3)	Standard LDWL Cathodic Protection Details for Test Stations (Sheet 3 of 3)	7/1/2021
16124-01	16124-01	Complete Utility Locating System Sample Plan (Water)	Complete Utility Locating System Sample Plan (Water)	7/1/2021
16124-02	16124-02	Complete Utility Locating System Water Service Detail	Complete Utility Locating System Water Service Detail	7/1/2021
16124-03	16124-03	Complete Utility Locating System Hydrant Detail	Complete Utility Locating System Hydrant Detail	7/1/2021
16640-01	16640-01	Standard LDWL Cathodic Protection Details for Test Stations & Anodes	Standard LDWL Cathodic Protection Details for Test Stations & Anodes	7/1/2021
16640-02	16640-02	Standard LDWL Cathodic Protection Rectifier & Deep Anode Ground Bed Details (Sheet 1 of 2)	Standard LDWL Cathodic Protection Rectifier & Deep Anode Ground Bed Details (Sheet 1 of 2)	3/20/2018
16640-03	16640-03	Standard LDWL Cathodic Protection Rectifier & Deep Anode Ground Bed Details (Sheet 2 of 2)	Standard LDWL Cathodic Protection Rectifier & Deep Anode Ground Bed Details (Sheet 2 of 2)	3/20/2018