

March 1, 2026

Standard Construction Drawings

City of Dublin, Ohio

Paul A. Hammersmith P.E.

Director of Engineering / City Engineer



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NUMBER	TITLE	PGS	DATE
BSD - BRIDGE STREET DISTRICT			
BSD-01	BRIDGE STREET DISTRICT BRICK PAVER ROADWAY	1	1/1/2026
BSD-02	BRIDGE STREET DISTRICT BRICK PAVER DRIVE	1	1/1/2026
BSD-03	BRIDGE STREET DISTRICT BRICK PAVER ROADWAY CROSSWALK	1	1/1/2026
BSD-04	BRIDGE STREET DISTRICT PERMEABLE PAVEMENT	1	1/1/2026
BSD-05	BRIDGE STREET DISTRICT GRANITE CURB	1	1/1/2026
BSD-06	BRIDGE STREET DISTRICT PAVERS AT MANHOLE	1	1/1/2026
BSD-07	BRIDGE STREET DISTRICT TYPICAL STREET SIGNS	1	1/1/2026
BSD-08	BRIDGE STREET DISTRICT TYPICAL STREET SIGNS	1	1/1/2026
BSD-09	BRIDGE STREET DISTRICT TYPICAL STREET NAME SIGN	1	1/1/2026
BSD-10	BRIDGE STREET DISTRICT TYPICAL STREET NAME SIGNS	1	1/1/2026
ERO - EROSION CONTROL			
ERO-01	CATCH BASIN SEDIMENT FILTER	1	1/1/2026
ERO-02	GEOTEXTILE INLET PROTECTION	1	1/1/2026
ERO-03	CURB & GUTTER INLET SEDIMENT FILTER	1	1/1/2026
ERO-04	PERIMETER FILTER FABRIC FENCE	1	1/1/2026
ERO-05	FILTER SOCK	1	1/1/2026
ERO-06	AGGREGATE CHECK DAM	1	1/1/2026
ERO-07	STABILIZED CONSTRUCTION ENTRANCE	1	1/1/2026
ERO-08	CONCRETE WASHOUT AREA	1	1/1/2026
ERO-09	DEWATERING FILTER BAG	1	1/1/2026
ERO-10	SOIL STABILIZATION CHART	1	1/1/2026
ERO-11	TREE PROTECTION FENCING	1	1/1/2026
PED - PEDESTRIAN DETAILS			
PED-01	GENERAL CURB RAMP LOCATIONS	1	1/1/2026
PED-02	CURB RAMP GENERAL NOTES	2	1/1/2026
PED-03	CURB RAMP TYPE 1	1	1/1/2026
PED-04	CURB RAMP TYPE 2	1	1/1/2026
PED-05	CURB RAMP TYPE 3	1	1/1/2026
PED-06	CURB RAMP TYPE 4	1	1/1/2026
PED-07	CURB RAMP TYPE 4A	1	1/1/2026
PED-08	CURB RAMP TYPE 5	1	1/1/2026
PED-09	CURB RAMP TYPE 6	1	1/1/2026
PED-10	CURB RAMP TYPE 7	1	1/1/2026
PED-11	CURB RAMP TYPE 8	1	1/1/2026
PED-12	CURB RAMP TYPE 9	1	1/1/2026
PED-13	CURB RAMP TYPE 10	1	1/1/2026
PED-14	CURB RAMP TYPE 11	1	1/1/2026
RDW - ROADWAY			
RDW-01	PUBLIC PAVEMENT TYPICAL SECTION	1	1/1/2026
RDW-02	PRIVATE PAVEMENT TYPICAL SECTION	1	1/1/2026
RDW-03	6" COMBINATION CONCRETE CURB & GUTTER	1	1/1/2026
RDW-04	8" COMBINATION CONCRETE CURB & GUTTER	1	1/1/2026
RDW-05	STRAIGHT 18" CONCRETE CURB	1	1/1/2026
RDW-06	MOUNTABLE CURB & GUTTER	1	1/1/2026
RDW-07	6' CONCRETE WALK	1	1/1/2026
RDW-08	11' CONCRETE SHARED USE PATH	1	1/1/2026
RDW-09	11'-13' ASPHALT SHARED USE PATH	1	1/1/2026
RDW-10	RESIDENTIAL DRIVE APPROACH (CURBED STREETS)	1	1/1/2026
RDW-11	RESIDENTIAL DRIVE APPROACH (NON-CURBED STREETS)	1	1/1/2026
RDW-12	RESIDENTIAL DRIVE APPROACH (BRICK PAVERS)	1	1/1/2026
RDW-13	RESIDENTIAL DRIVE APPROACH (CONCRETE & BRICK PAVERS)	1	1/1/2026

RDW-14	BRICK PAVER NOTES FOR RESIDENTIAL DRIVES	1	1/1/2026
RDW-15	NON-RESIDENTIAL DRIVE APPROACH (CURBED STREETS)	1	1/1/2026
RDW-16	NON-RESIDENTIAL DRIVE APPROACH (NON-CURBED STREETS)	1	1/1/2026
RDW-17	NON-RESIDENTIAL DRIVE RIGHT IN & RIGHT OUT (CURBED STREETS)	2	1/1/2026
RDW-18	NON-RESIDENTIAL DRIVE RIGHT IN & RIGHT OUT (NON-CURBED STREETS)	1	1/1/2026
RDW-19	CUL-DE-SAC (UP TO 1,000')	1	1/1/2026
RDW-20	TYPICAL STREET SIGNS	1	1/1/2026
RDW-21	TYPICAL STREET NAME SIGNS	1	1/1/2026
RDW-22	HISTORIC DISTRICT BRICK PAVER WALK	1	1/1/2026
RDW-23	ROUNDBOUT TRUCK APRON DETAIL	1	1/1/2026
RDW-24	BRICK PAVER MEDIAN DETAIL	1	1/1/2026
RDW-25	CONCRETE COLLAR FOR MANHOLES IN PAVEMENT	1	1/1/2026
RDW-26	RESIDENTIAL DRIVE SLOPE	1	1/1/2026
RDW-27	MONUMENT BOX DETAIL	1	1/1/2026
SAN - SANITARY SEWER			
SAN-01	SANITARY SEWER MANHOLE LID	1	1/1/2026
SAN-02	SANITARY SEWER MANHOLE LID WITH BOLTED ASSEMBLY	1	1/1/2026
SAN-03	SANITARY MANHOLE DETAILS	1	1/1/2026
SAN-04	SANITARY MANHOLE CHIMNEY SEAL & WRAPIDSEAL DETAIL	1	1/1/2026
SAN-05	ANTI-INFILTRATION & INFLOW BARRIER	1	1/1/2026
SAN-06	TYPICAL SANITARY RISER DETAIL	1	1/1/2026
SAN-07	DEEP SANITARY RISER DETAIL	1	1/1/2026
STL - STREET LIGHTING			
STL-01	LUMINAIRE	1	1/1/2026
STL-02	TRANSFORMER BASE	2	1/1/2026
STL-03	LIGHT POLE	1	1/1/2026
STL-04	POLE FOUNDATION	2	1/1/2026
STL-05	LIGHTING CONDUIT TRENCH DETAIL	1	1/1/2026
STL-06	QUICK DISCONNECT	1	1/1/2026
STL-07	SAMPLE LIGHTING QUANTITIES SCHEDULE	1	1/1/2026
STL-08	STREET LIGHT LOCATION	1	1/1/2026
STL-09	DECORATIVE LUMINAIRE	1	1/1/2026
STL-10	DECORATIVE LIGHT POLE - SINGLE HEAD	1	1/1/2026
STL-11	DECORATIVE LIGHT POLE - DOUBLE HEAD	1	1/1/2026
STL-12	DECORATIVE LIGHT POLE FOUNDATION	1	1/1/2026
STL-13	LIGHTING CONTROLLER	3	1/1/2026
STM - STORM SEWER			
STM-01	CURB INLET HOOD	1	1/1/2026
STM-02	STORM SEWER MANHOLE LID	1	1/1/2026
STM-03	CONCRETE STRUCTURE STONE VENEER DETAIL	1	1/1/2026
STM-04	WALL CAP DETAIL	1	1/1/2026
STM-05	ROCK CHANNEL PROTECTION	1	1/1/2026
STM-06	STORM SEWER ADJACENT TO BASEMENTS	1	1/1/2026
STM-07	TRENCH DAM DETAIL	1	1/1/2026
STM-08	CULVERT GRATE	1	1/1/2026
STM-09	ROOF DRAIN CURB CONNECTION	1	1/1/2026
WTR - WATER			
WTR-01	FIRE HYDRANT DETAIL	1	1/1/2026

* All item numbers shown in standard drawings reference City of Columbus Construction and Materials Specifications (CMSC).



City of Dublin – 2026 Standard Drawings

Purpose & Alignment

The City of Dublin Standard Drawings establish the minimum design and construction requirements for public infrastructure and private site improvements within Dublin. They are intended to ensure consistency, safety, and quality across all projects while supporting the City's long-term vision.

Key Updates for 2026

- **Envision Dublin Integration:** Drawings reflect the goals of the Envision Dublin Community Plan, emphasizing multimodal transportation, sustainable infrastructure, and enhanced public spaces.
- **Codified Ordinance Compliance:** All details conform to the City's current Code of Ordinances and adopted engineering standards.
- **Modernized Design Standards:** Updates include revised pedestrian facilities, stormwater management details, and utility layouts to meet current best practices.
- **Accessibility & Safety:** Incorporates ADA-compliant curb ramps, detectable warnings, and improved driveway and sidewalk standards.

Application

These drawings shall be used in conjunction with the City of Dublin's Engineering Design Manuals, Transportation and Stormwater guidelines, and all other applicable city, state, and federal regulations. These serve as a reference for developers, engineers, and contractors to ensure projects meet City requirements. Any deviations from these standards must be approved by the City Engineer prior to construction, and such deviations are to be noted on the approved plans.

Effective Date

Issued March 1, 2026. Supersedes all previous versions.

Engineering



6555 Shier Rings Rd
Dublin, OH 43016



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2026 Standard Drawings - Bridge Street District (BSD)

Purpose & Alignment

The Bridge Street District (BSD) in Dublin, Ohio, is a vibrant urban area characterized by a mix of residential, commercial, and recreational spaces. It aims to create a walkable, mixed-use environment that enhances economic vitality and community life. The district includes various zoning districts such as BSD-C (Commercial), BSD-IRN (Indian Run Neighborhood), and BSD-P (Public), allowing for a diverse range of development options, including luxury condos, office spaces, and restaurants. The BSD is designed to preserve historic elements while promoting modern urban living, making it an attractive location for businesses and residents (City of Dublin Codified Ordinance - 153.057).

Application and Use Guidance

- These Standard Drawings are to be applied to all properties located within the Bridge Street District.
- These drawings are to be specified on the construction plans.

Additional Resources

- City of Dublin Codified Ordinance [153.057-153.066], and subsequent updates
- "Bridge Street District Streetscape Character Guidelines"

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BSD-03	BRIDGE STREET DISTRICT BRICK PAVER ROADWAY CROSSWALK	1
BSD-04	BRIDGE STREET DISTRICT PERMEABLE PAVEMENT	1
BSD-05	BRIDGE STREET DISTRICT GRANITE CURB	1
BSD-06	BRIDGE STREET DISTRICT PAVERS AT MANHOLE	1
BSD-07	BRIDGE STREET DISTRICT TYPICAL STREET SIGNS	1
BSD-08	BRIDGE STREET DISTRICT TYPICAL STREET SIGNS	1
BSD-09	BRIDGE STREET DISTRICT TYPICAL STREET NAME SIGN	1
BSD-10	BRIDGE STREET DISTRICT TYPICAL STREET NAME SIGNS	1

Engineering – Standard Construction Drawings 2026

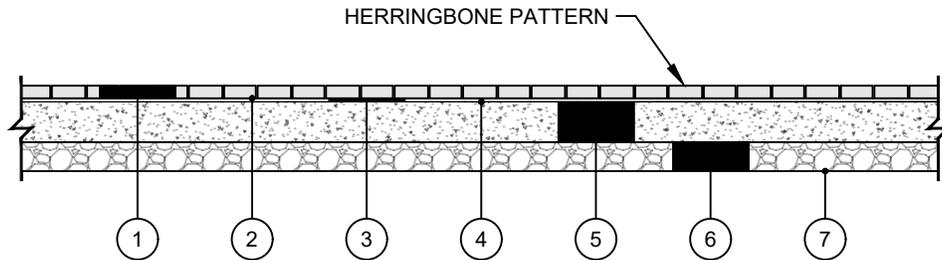


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BRICK PAVER ROADWAY DETAIL

- ① ITEM SPEC - BRICK PAVERS (2 3/4") W/POLYMERIC SAND (GATOR MAXX G2)
- ② ITEM SPEC - NEOPRENE MODIFIED ASPHALT ADHESIVE
- ③ ITEM SPEC - 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22)
- ④ ITEM 407 - TACK COAT (0.04 GAL./SQ. YD.)
- ⑤ ITEM 305 - 8.5" COC 6 CONCRETE BASE
- ⑥ ITEM 304 - 6" AGGREGATE BASE
- ⑦ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

THIS DETAIL IS ONLY TO BE USED AS DIRECTED BY CITY ENGINEER.
CONTACT CITY ENGINEER FOR ITEM SPECIAL NOTES.

**BRIDGE STREET
DISTRICT BRICK
PAVER ROADWAY**



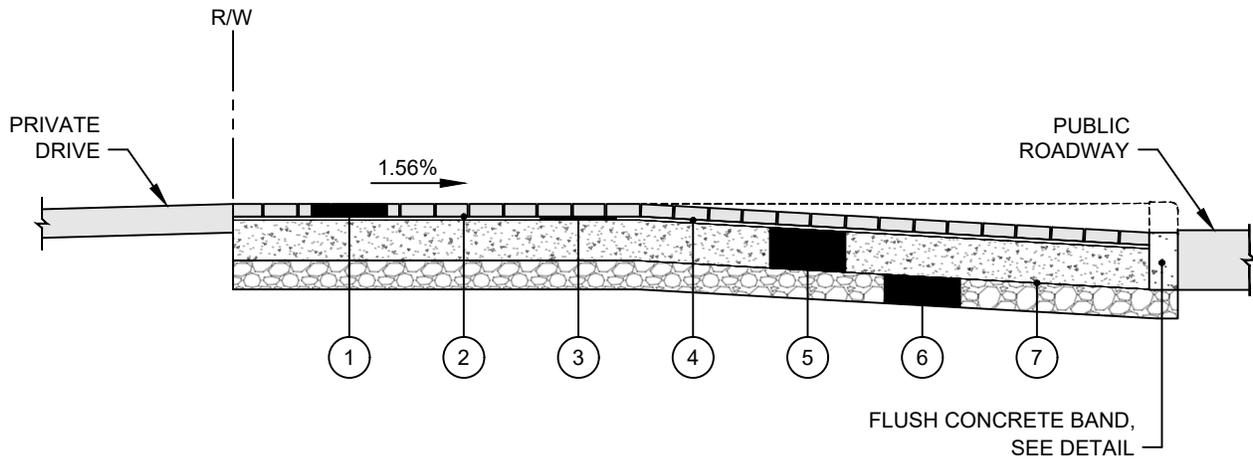
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BSD-01

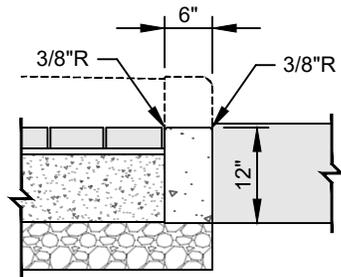
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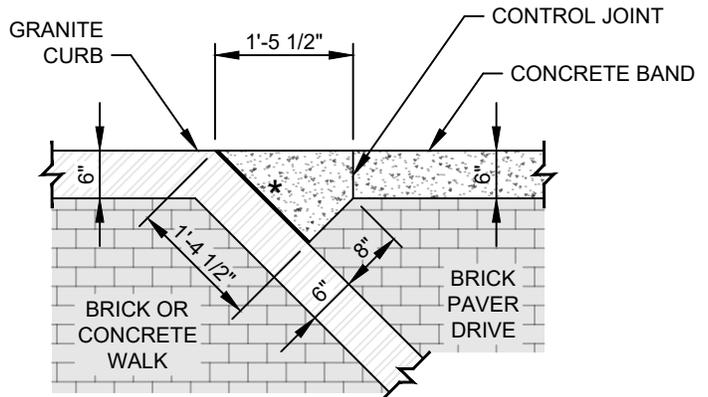
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BRICK PAVER DRIVE DETAIL



FLUSH CONCRETE BAND SECTION VIEW



* 1/2" EXPANSION JOINT AND CAULK TO MATCH CONCRETE

FLUSH CONCRETE BAND PLAN VIEW

- ① ITEM SPEC - BRICK PAVERS (2 3/4") W/POLYMERIC SAND (GATOR MAXX G2)
- ② ITEM SPEC - NEOPRENE MODIFIED ASPHALT ADHESIVE
- ③ ITEM SPEC - 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22)
- ④ ITEM 407 - TACK COAT (0.04 GAL./SQ. YD.)
- ⑤ ITEM 305 - 8.5" COC 6 CONCRETE BASE
- ⑥ ITEM 304 - 6" AGGREGATE BASE
- ⑦ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

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**BRIDGE STREET
DISTRICT BRICK
PAVER DRIVE**



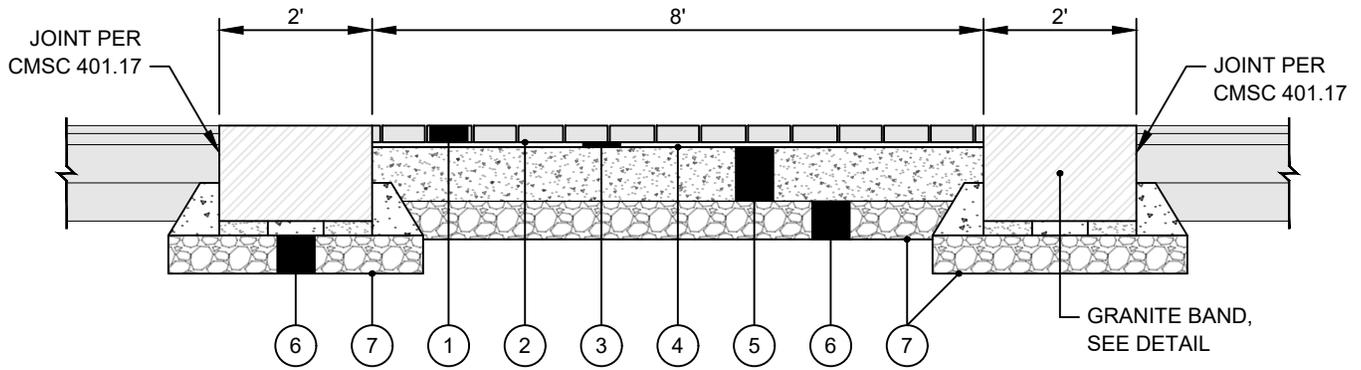
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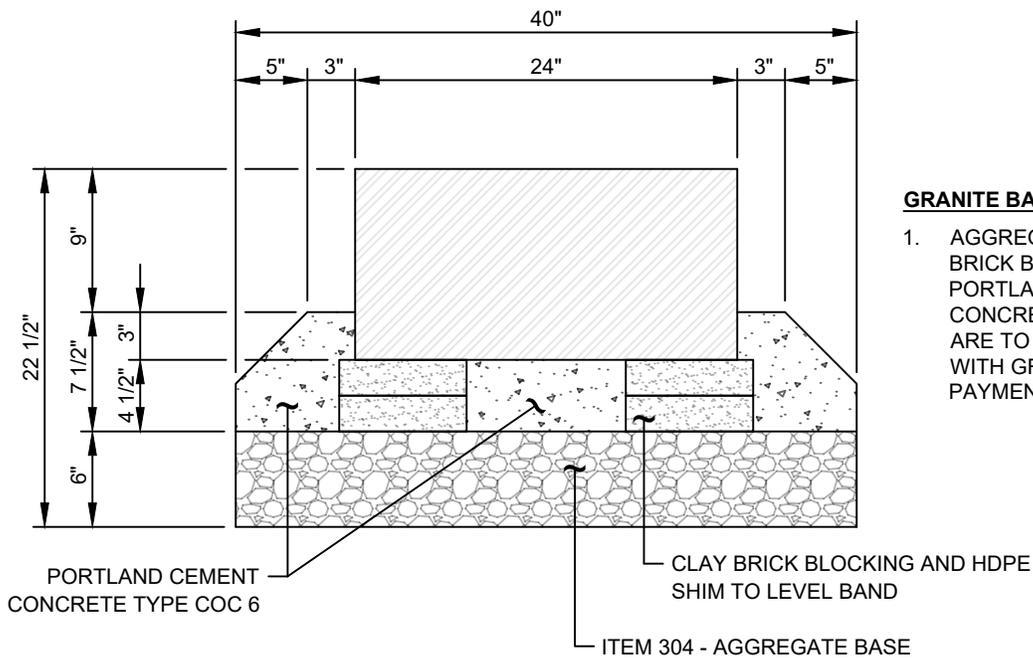
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BRICK PAVER ROADWAY CROSSWALK DETAIL



GRANITE BAND NOTE:

1. AGGREGATE BASE, CLAY BRICK BLOCKING, AND PORTLAND CEMENT CONCRETE TYPE COC 6 ARE TO BE INCLUDED WITH GRANITE BAND FOR PAYMENT.

GRANITE BAND (12" x 24") DETAIL

- 1 ITEM SPEC - BRICK PAVERS (2 3/4") W/POLYMERIC SAND (GATOR MAXX G2)
- 2 ITEM SPEC - NEOPRENE MODIFIED ASPHALT ADHESIVE
- 3 ITEM SPEC - 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22)
- 4 ITEM 407 - TACK COAT (0.04 GAL./SQ. YD.)
- 5 ITEM 305 - 8.5" COC 6 CONCRETE BASE
- 6 ITEM 304 - 6" AGGREGATE BASE
- 7 ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

THIS DETAIL IS ONLY TO BE USED AS DIRECTED BY CITY ENGINEER. CONTACT CITY ENGINEER FOR ITEM SPECIAL NOTES.

**BRIDGE STREET
DISTRICT BRICK
PAVER ROADWAY
CROSSWALK**



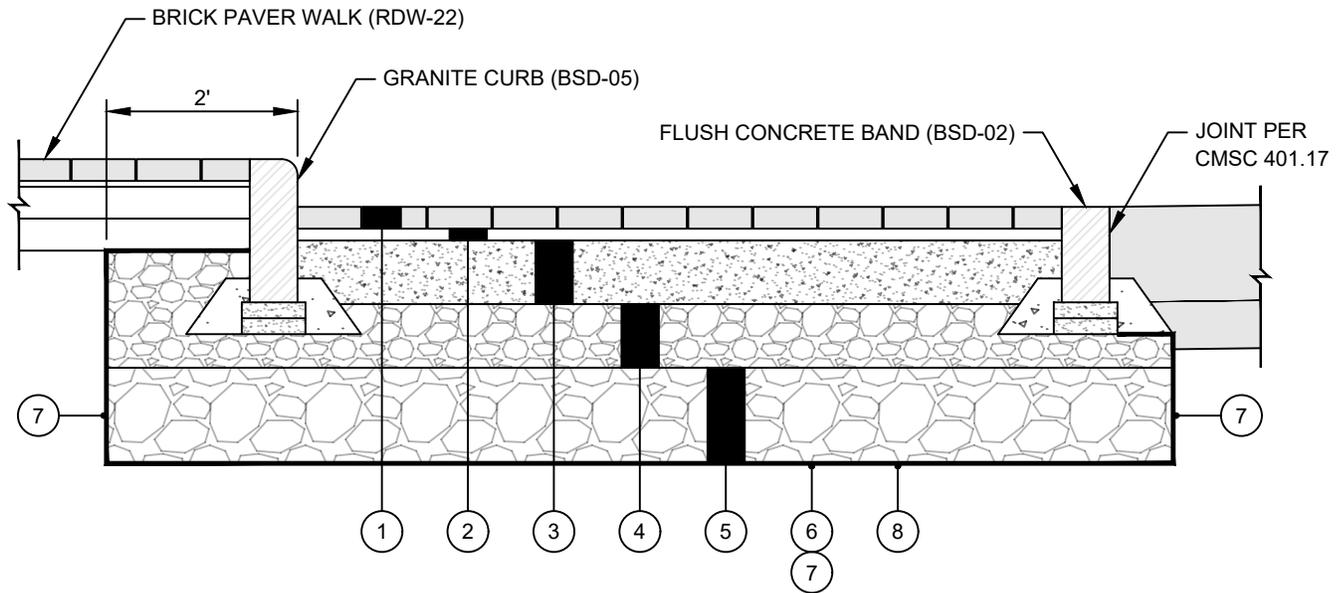
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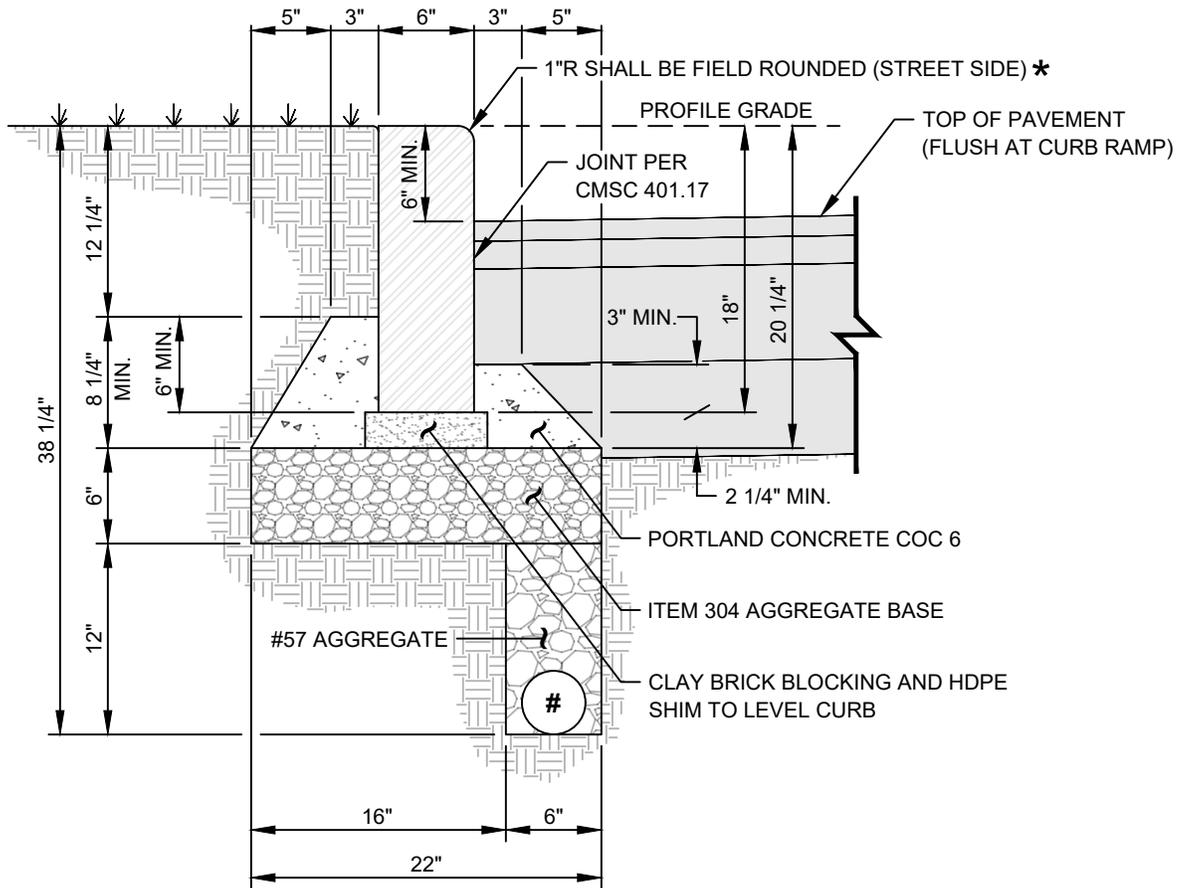


PERMEABLE PAVEMENT DETAIL

- ① ITEM SPEC - PERMEABLE CLAY PAVERS (2 3/4")
 - ② ITEM SPEC - 1 1/2" #8 STONE
 - ③ ITEM SPEC - 8" PERVIOUS CONCRETE (AS PER SUPPLEMENTAL SPEC)
 - ④ ITEM SPEC - 8" #57 AGGREGATE BASE
- ⑤ ITEM SPEC - 12" #4 AGGREGATE BASE
 - ⑥ ITEM SPEC - GEOGRID (UNDER #4 AGGREGATE BASE)
 - ⑦ ITEM 204 - GEOTEXTILE FABRIC, TYPE "D" (UNDER GEOGRID)
 - ⑧ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

THIS DETAIL IS ONLY TO BE USED AS DIRECTED BY CITY ENGINEER. CONTACT CITY ENGINEER FOR ITEM SPECIAL NOTES.

BRIDGE STREET DISTRICT PERMEABLE PAVEMENT	
<p style="margin: 0;">City of Dublin OHIO, USA</p>	<p style="margin: 0;">STANDARD DRAWING: BSD-04</p> <p style="margin: 0;">REVISED: 01/01/26</p>
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GRANITE CURB DETAIL

18" GRANITE CURB NOTES:

1. AGGREGATE BASE, PORTLAND CONCRETE TYPE COC 6, CLAY BRICK BLOCKING AND HDPE SHIMS ARE TO BE INCLUDED WITH GRANITE CURB FOR PAYMENT.
- # ITEM 605 - 4 INCH PERFORATED PIPE UNDERDRAIN (720.12). ALL UNDERDRAINS SHALL CONNECT TO STORM STRUCTURES/INLETS (PREFERRED), OR OUTLET TO DITCHES WITH AN UNDERDRAIN CONCRETE OUTLET.
- * FOR CURB AND GUTTER STRUCTURES LOCATED ADJACENT TO GRANITE CURB WITHIN THE BRIDGE STREET DISTRICT, GRANITE CURB SHALL TRANSITION FROM THE STANDARD 1 INCH BEVELED EDGE TO A 2 INCH RADIUS OVER 2 FEET. ROUNDING OF GRANITE CURB IS REQUIRED FOR ALL CURBS ENDING AT A STRUCTURE AND SHALL BE COMPLETED IN THE FIELD AFTER THE CURB HAS BEEN SET.

**BRIDGE STREET
DISTRICT
GRANITE CURB**



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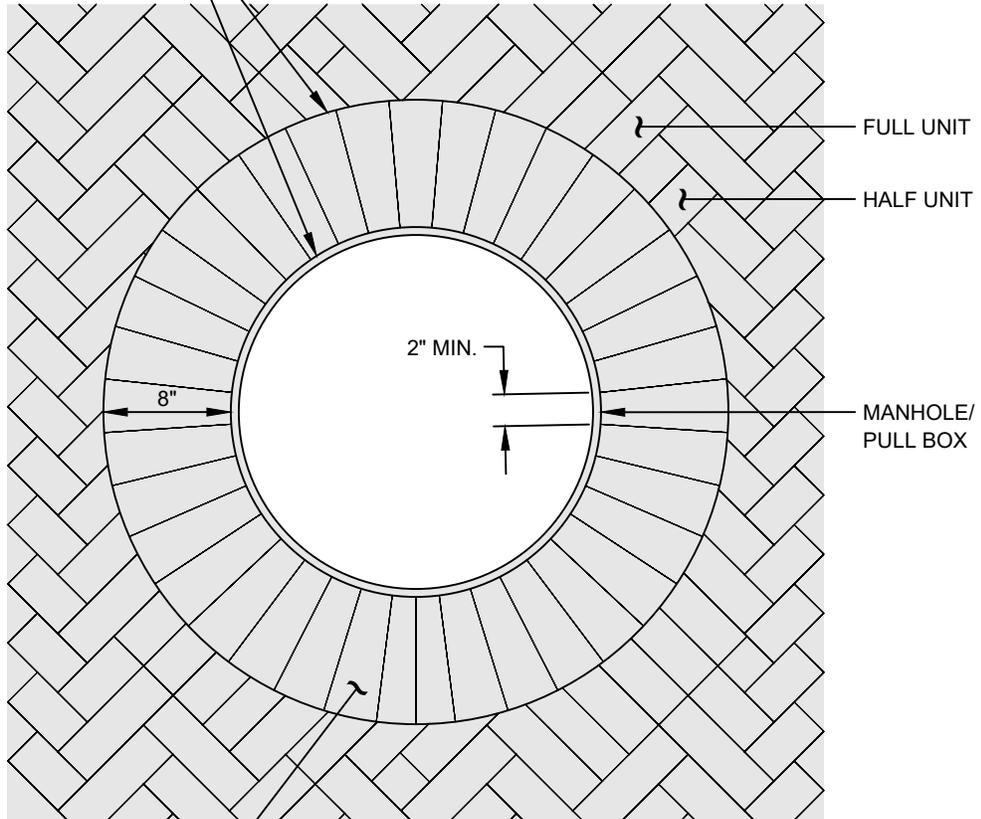
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RADIAL CUTS REQUIRED
(MAINTAIN 1/8" JOINT)



ARRAY PAVERS ABOUT INLET.
KEEP UNIT CENTERLINE
PERPENDICULAR TO CIRCLE.

PAVERS AT MANHOLE DETAIL

PAVERS AT MANHOLE NOTES:

1. CUT HERRINGBONE PAVER AT PAVER BORDER AS INDICATED TO ELIMINATE SLIVERS. PAVERS EQUAL IN LENGTH TO LESS THAN 1/3 OF THE LENGTH OF A FULL PAVER UNIT WILL BE REJECTED.

**BRIDGE STREET
DISTRICT PAVERS
AT MANHOLE**



STANDARD
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BSD-06

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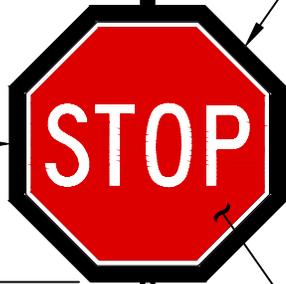
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2" RAIN CAP (BLACK) BEHIND THE SIGN BACKER FRAME

1/8" SOLID ALUMINUM BACKER FRAME PANEL POSITIONED TO SHOW A 2" EDGE AROUND SIGN, POWDER COATED BLACK ON ALL SIDES AND EDGES, FEDERAL COLOR BLACK 27038. BACKER FRAME SHAPES VARY TO MATCH SIGN FACE.

2' MIN.



SIGN FACE ACCORDING TO ODOT SIGN DESIGN MANUAL. REFLECTIVE SHEETING, ACCORDING TO ASTM D 4956 TYPE XI.

7' MIN.
(6' MIN. TO THE PLAQUE)

2" x 2" GALVANIZED POWDER COATED BLACK POST, FEDERAL COLOR 27038 WITH DIE CUT KNOCKOUTS.

2 1/2" x 2 1/2" x 12" OVER SLEEVE (GALVANIZED) GOES OVER BOTH THE ANCHOR SLEEVE AND POST. ATTACHED BY 2 DRIVE RIVETS, 90 DEGREES APART. FOR YIELDING POST DETAILS NOT SHOWN HERE, ODOT STANDARD DRAWING TC 41.20 APPLIES.

12"
8"
1" TO 2"

2 1/4" x 2 1/4" x 36" MIN. ANCHOR SLEEVE, GALVANIZED 32" MIN. BELOW GRADE.

**BRIDGE STREET DISTRICT
STANDARD SIGN**

2" RAIN CAP (BLACK) BEHIND THE SIGN BACKER FRAME



1/8" SOLID ALUMINUM BACKER FRAME PANEL POSITIONED TO SHOW A 2" EDGE AROUND SIGN, POWDER COATED BLACK ON ALL SIDES AND EDGES, FEDERAL COLOR BLACK 27038. BACKER FRAME SHAPES VARY TO MATCH SIGN FACE.

SIGN FACE ACCORDING TO ODOT SIGN DESIGN MANUAL. COMBINE CHEVRONS AND ONE-WAY ON A SINGLE BLANK. REFLECTIVE SHEETING, ACCORDING TO ASTM D 4956 TYPE XI.

3'
(WITHIN ISLANDS)

**BRIDGE STREET DISTRICT
STANDARD SIGN WITHIN ISLAND**

BRIDGE STREET DISTRICT TYPICAL STREET SIGNS



STANDARD DRAWING:

BSD-07

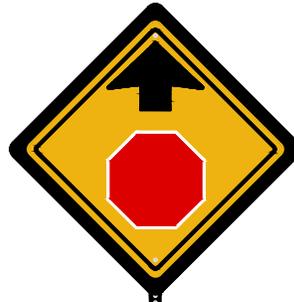
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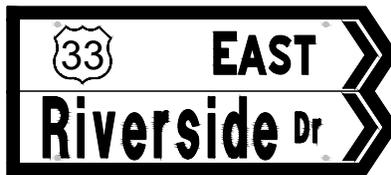
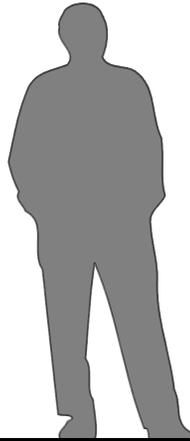
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7'-0" MIN. TO SIGN



6'-0" MIN. TO PLAQUE



3'-0" MIN. WITHIN ISLANDS

BRIDGE STREET DISTRICT STANDARD SIGN EXAMPLES

BRIDGE STREET DISTRICT TYPICAL STREET SIGNS



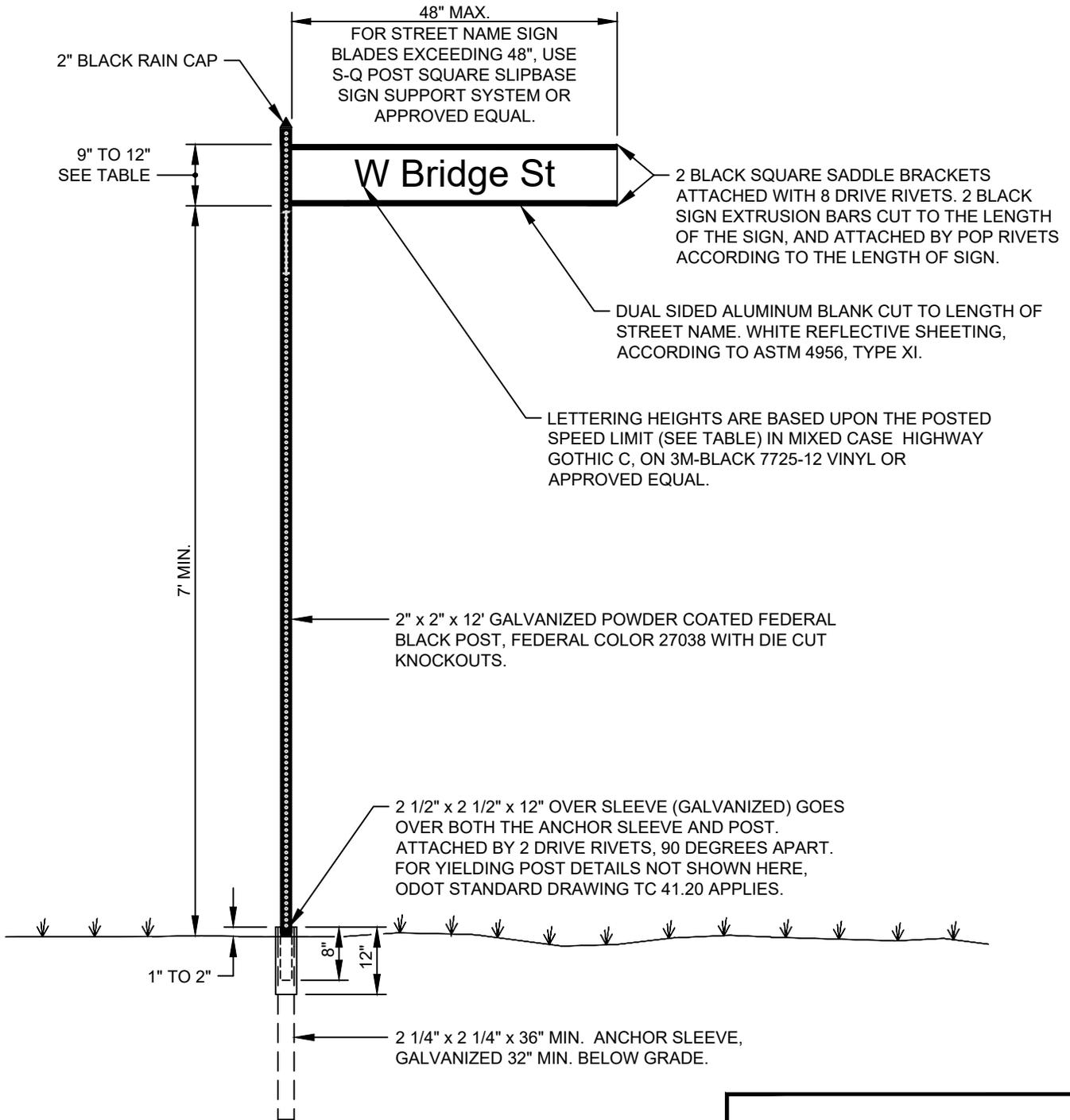
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BRIDGE STREET DISTRICT STANDARD STREET NAME SIGN

HIGHEST INTERSECTING SPEED LIMIT (MPH)	LETTERING HEIGHT	BLANK HEIGHT MIN.
15 - 25	4"	9"
30 - 40	6"	12"
45+ MULTI-LANE	8"	12"+

**BRIDGE STREET
DISTRICT TYPICAL
STREET NAME SIGN**



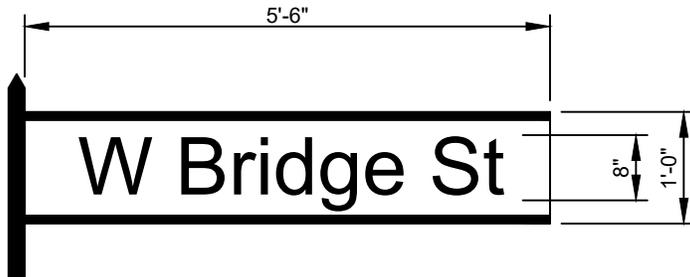
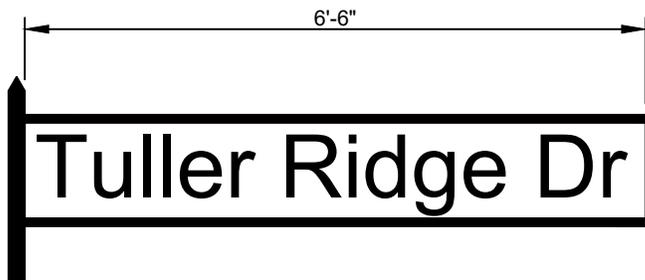
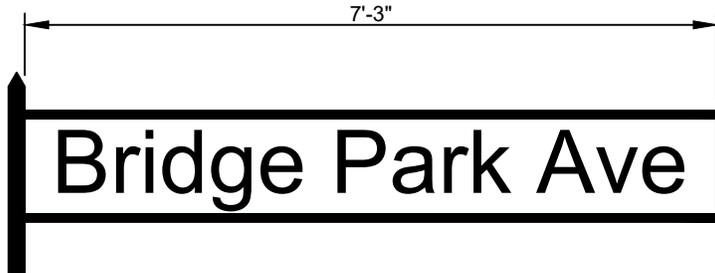
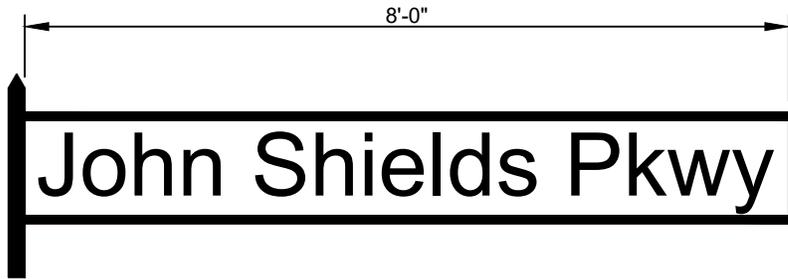
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DRAWING:

BSD-09

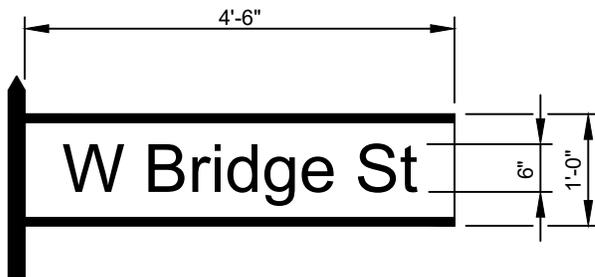
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SHEET

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USED FOR SPEED LIMIT OF 45+ MPH



USED FOR SPEED LIMIT OF 30-40 MPH

**BRIDGE STREET
DISTRICT TYPICAL
STREET NAME SIGNS**



STANDARD
DRAWING:

BSD-10

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SHEET

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2026 Standard Drawings – Erosion Control

Purpose & Alignment

The Erosion Control (ERO) measures are mandatory for all phases of construction on both public and private sites. These measures must comply with the standards established by the City Engineer, Ohio EPA regulations, and applicable ODOT specifications. Prior to any earth-disturbing activity, an approved erosion and sediment control plan shall be implemented, detailing site-specific practices such as, but not limited to: silt fencing, sediment basins, aggregate check dams, and temporary stabilization. Stormwater discharges must be managed to prevent erosion, and disturbed areas left idle for more than 30 days shall be stabilized within seven days. All temporary controls must remain in place until permanent vegetation is established and be removed upon project completion. Inspections and documentation are required throughout construction to ensure compliance with approved plans and regulatory requirements. For additional information, see City of Dublin Codified Ordinance 53.300.

Application and Use Guidance

- **Sediment Control:** Required at all stormwater runoff points; accepted methods include sediment basins, silt filter fences, aggregate check dams, and temporary ground cover (hay/straw bales not permitted).
- **Drainage and Maintenance:** Adequate drainage must be maintained; disturbed areas unworked for 30+ days must be seeded or protected within 7 days.
- **Permit Requirements:** NPDES stormwater discharge permit may be required; contractor is responsible for compliance and removal of temporary devices after permanent cover is established.

NUMBER	TITLE	PGS
ERO - EROSION CONTROL		
ERO-01	CATCH BASIN SEDIMENT FILTER	1
ERO-02	GEOTEXTILE INLET PROTECTION	1
ERO-03	CURB & GUTTER INLET SEDIMENT FILTER	1
ERO-04	PERIMETER FILTER FABRIC FENCE	1
ERO-05	FILTER SOCK	1
ERO-06	AGGREGATE CHECK DAM	1
ERO-07	STABILIZED CONSTRUCTION ENTRANCE	1
ERO-08	CONCRETE WASHOUT AREA	1
ERO-09	DEWATERING FILTER BAG	1
ERO-10	SOIL STABILIZATION CHART	1
ERO-11	TREE PROTECTION FENCING	1

Engineering – Standard Construction Drawings 2026

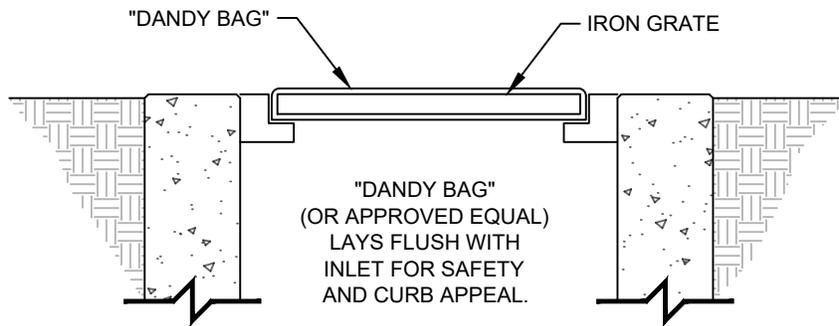
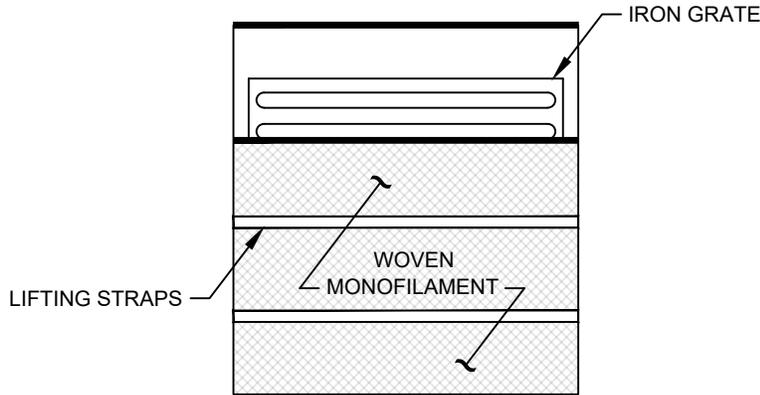


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CATCH BASIN SEDIMENT FILTER NOTES:

1. **INSTALLATION:** PLACE EMPTY UNIT OVER THE GRATE AS THE GRATE STANDS ON END. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET BEING CAREFUL NOT TO DAMAGE THE UNIT.
2. **MAINTENANCE:** REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.
3. **INSPECTION:** REMOVE UNIT WITH GRATE INSIDE, INSPECT CATCH BASIN, AND REPLACE UNIT.
4. **APPROVED MANUFACTURER:**

DANDY PRODUCTS INC.
 1095 HARCOURT ROAD
 MOUNT VERNON, OH 43050
 (800) 591-2284
 (OR APPROVED EQUAL)

**CATCH BASIN
 SEDIMENT FILTER**



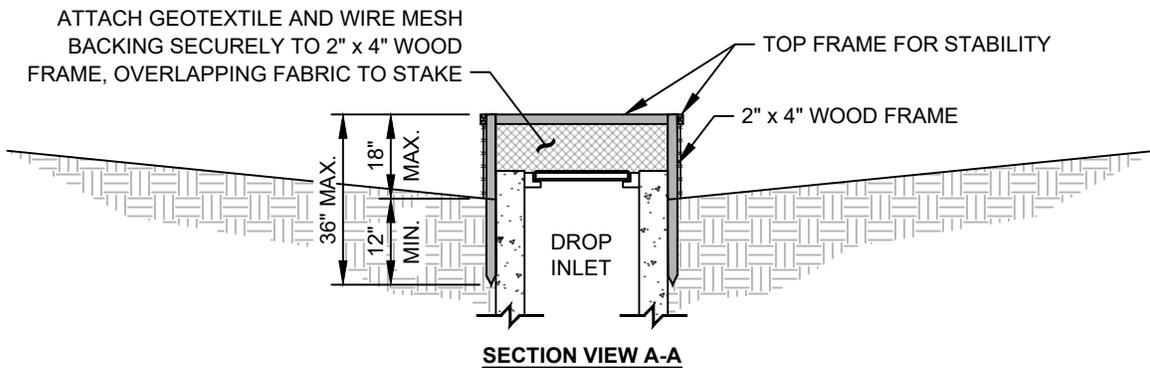
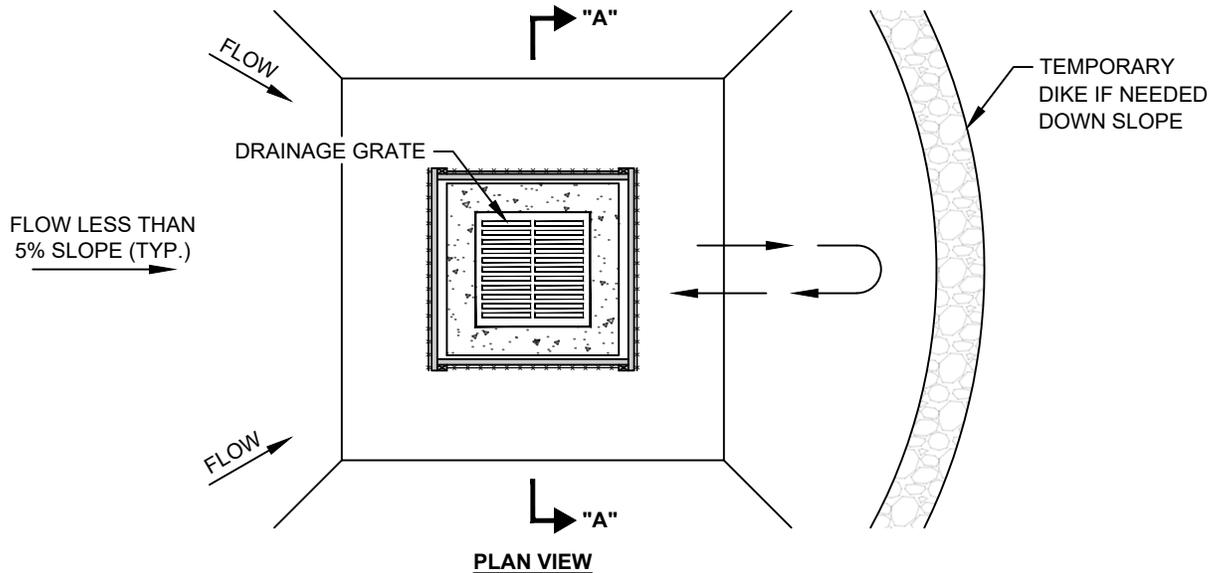
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ERO-01

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INLET PROTECTION NOTES:

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2 INCH BY 4 INCH CONSTRUCTION GRADE LUMBER. THE 2 INCH BY 4 INCH POSTS SHALL BE DRIVEN 12 INCHES INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2 INCH BY 4 INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

GEOTEXTILE INLET PROTECTION



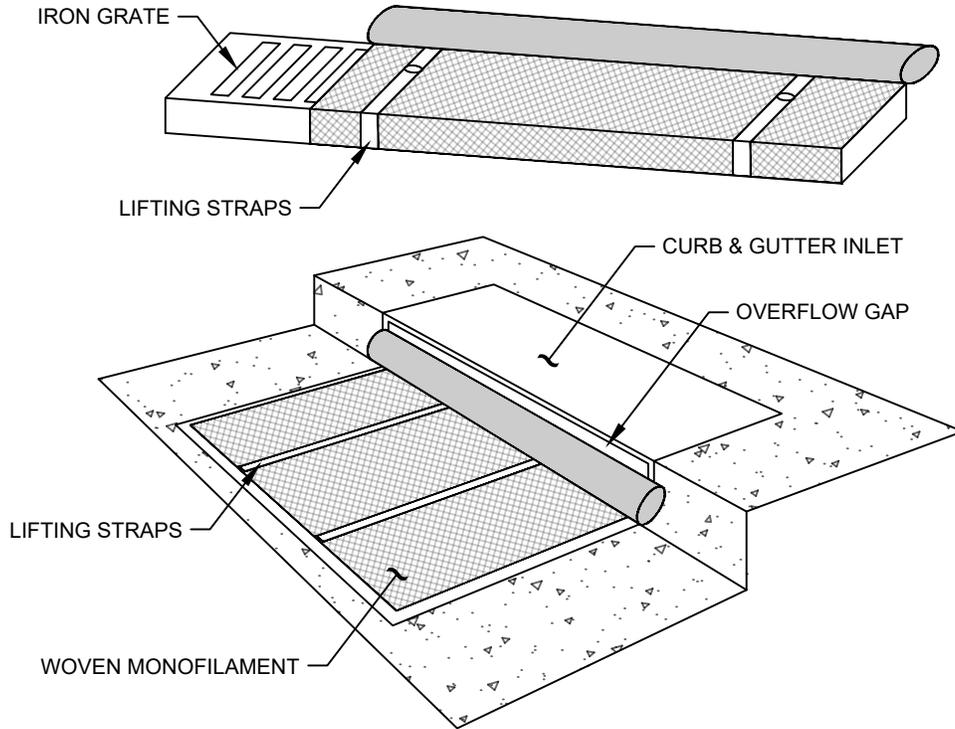
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CURB & GUTTER INLET SEDIMENT FILTER NOTES:

1. INSTALLATION: STAND GRATE ON END. SLIDE THE DANDY CURB BAG (OR APPROVED EQUAL) ON WITH DAM ON TOP OF THE GRATE. PULL ALL EXCESS DOWN. LAY UNIT ON ITS SIDE. CAREFULLY TUCK FLAP IN. PRESS VELCRO STRIPS TOGETHER. INSTALL THE UNIT MAKING SURE FRONT EDGE OF GRATE IS INSERTED IN FRAME FIRST THEN LOWER BACK INTO PLACE. PRESS VELCRO DOTS TOGETHER WHICH ARE LOCATED UNDER LIFTING STRAPS. THIS INSURES STRAPS REMAIN FLUSH WITH GUTTER.
2. MAINTENANCE: WITH A STIFF BRISTLE BROOM SWEEP SILT AND OTHER DEBRIS OFF SURFACE AFTER EACH RAIN EVENT.
3. APPROVED MANUFACTURER:

DANDY PRODUCTS INC.
 1095 HARCOURT ROAD
 MOUNT VERNON, OH 43050
 (800) 591-2284
 (OR APPROVED EQUAL)

**CURB & GUTTER
 INLET SEDIMENT
 FILTER**



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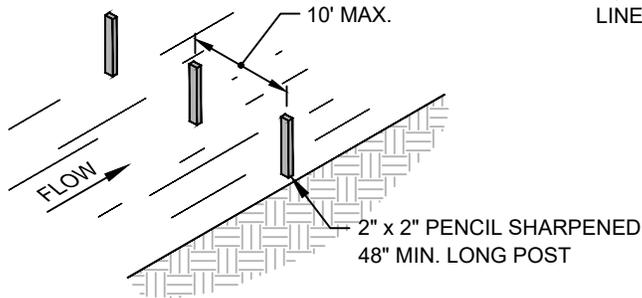
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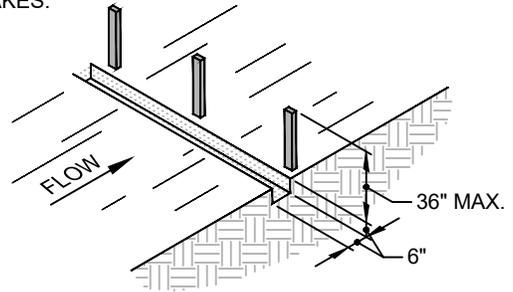
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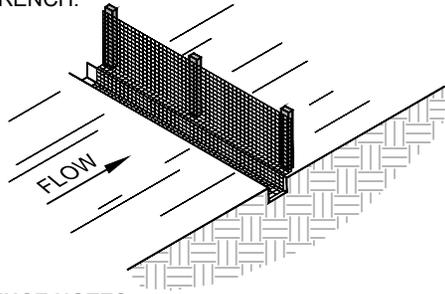
1.) SET THE STAKES.



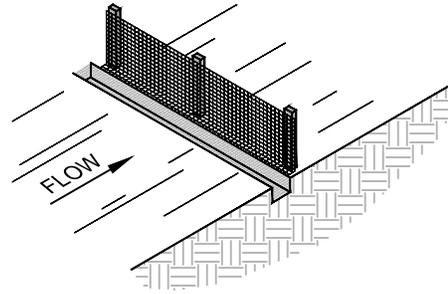
2.) EXCAVATE A 6" x 6" TRENCH UPSLOPE ALONG THE LINE STAKES.



3.) STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.



4.) BACKFILL AND COMPACT THE EXCAVATED SOIL.



SEDIMENT FENCE NOTES:

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
2. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
3. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
4. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
5. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
6. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6 INCH OVERLAP PRIOR TO DRIVING INTO THE GROUND.
7. SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVER TOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE:
 1.) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2.) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3.) OTHER PRACTICES SHALL BE INSTALLED.
8. SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE.
9. SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.
10. THE LENGTH OF FENCE POST SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2 INCH BY 2 INCH NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS, THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FEET. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.

PERIMETER FILTER FABRIC FENCE



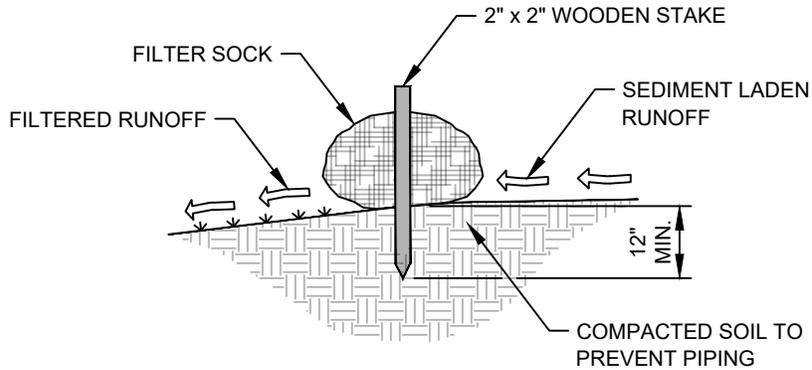
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FILTER SOCK SECTION VIEW

FILTER SOCK NOTES:

1. COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE, AND FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM 3/8 INCH TO 2 INCH.
2. FILTER SOCKS SHALL BE 3 MIL OR 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8 INCH KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.

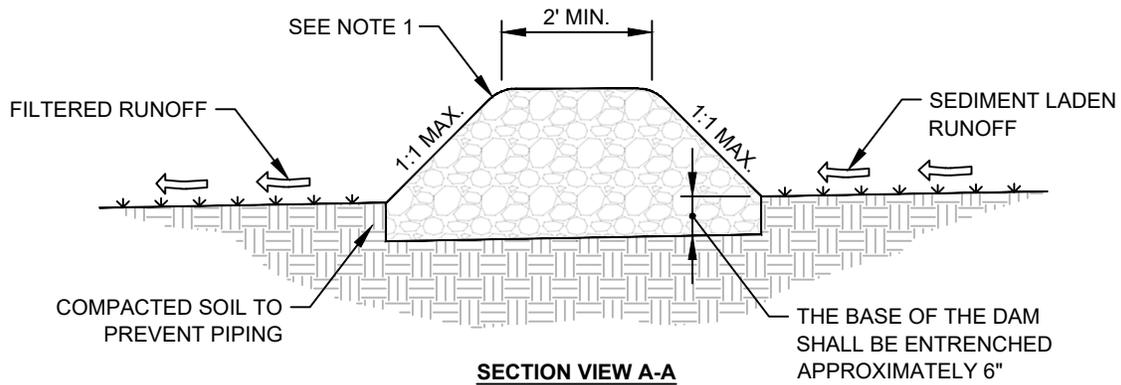
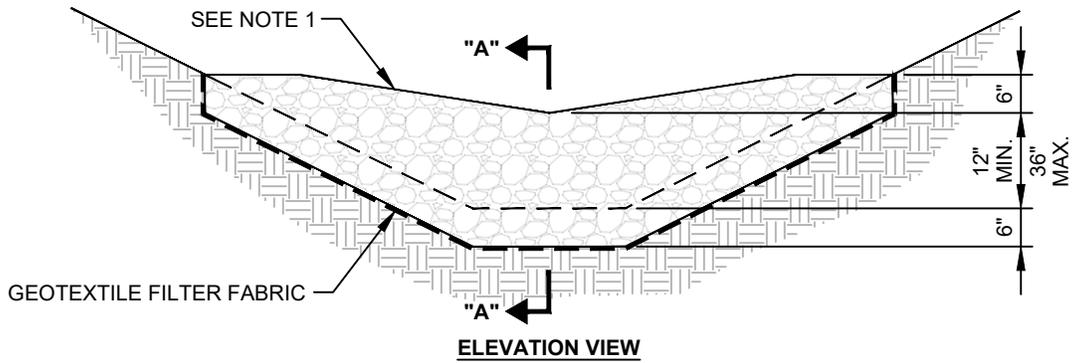
INSTALLATION :

3. FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MIDSLOPE.
4. FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOFF CHANNELS.

MAINTENANCE:

5. ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
6. REMOVE SEDIMENT COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.
7. WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
8. FILTER SOCKS SHALL BE REMOVED FROM SITE AFTER SITE STABILIZATION.

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AGGREGATE CHECK DAM NOTES:

1. THE CHECK DAM SHALL BE CONSTRUCTED OF 4 INCH TO 8 INCH DIAMETER STONE, PLACE SO THAT IT COMPLETELY COVERS THE WIDTH OF THE CHANNEL. ODOT TYPE "D" STONE IS ACCEPTABLE, BUT SHOULD BE UNDERLAIN WITH A GRAVEL FILTER CONSISTING OF ODOT NO. 3 OR 4 OR SUITABLE FABRIC.
2. THE TOP OF THE CHECK DAM SHALL BE CONSTRUCTED SO THAT THE CENTER IS APPROXIMATELY 6 INCHES LOWER THAN THE OUTER EDGES, SO RUNOFF WILL FLOW ACROSS THE CENTER OF THE DAM RATHER THAN AROUND THE ENDS.
3. THE MAXIMUM HEIGHT OF THE CHECK DAM AT THE CENTER OF THE OVERFLOW SHALL NOT EXCEED 3 FEET.
4. SPACING BETWEEN DAMS SHALL BE AS SHOWN IN THE PLANS.

AGGREGATE CHECK DAM MAINTENANCE NOTES:

5. AGGREGATE CHECK DAMS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
6. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED CHECK DAMS, END RUNS, AND UNDERCUTTING BENEATH DAMS.
7. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
8. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE AGGREGATE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED, AND SEEDED.

**AGGREGATE
CHECK DAM**



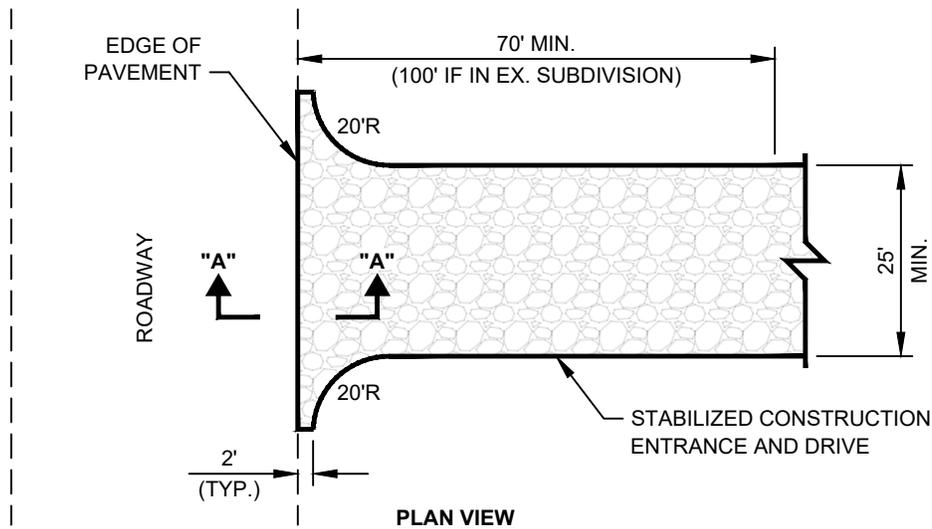
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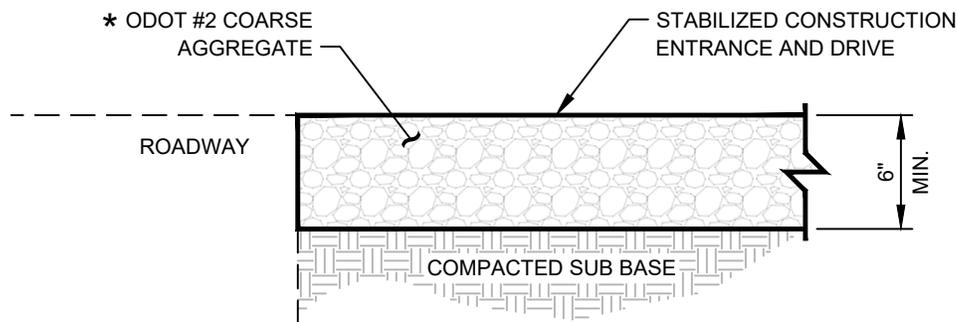
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PLAN VIEW



SECTION VIEW A-A

(STABILIZED CONSTRUCTION ENTRANCE COMPOSITION 6" THICK)

STABILIZED CONSTRUCTION ENTRANCE NOTES:

1. THE EARTHWORK CONTRACTOR SHALL INSTALL AND MAINTAIN THE CONSTRUCTION ENTRANCE AND STAGING AREA. THE EARTHWORK CONTRACTOR SHALL PERIODICALLY ADD CLEAN STONE AND MAINTAIN THE GRAVEL EDGES FOR THE DURATION OF THE PROJECT. WHEN THE CONSTRUCTION ENTRANCE AND DRIVE ARE NO LONGER NEEDED, THE EARTHWORK CONTRACTOR SHALL REMOVE THE GRAVEL AND RESTORE THE GROUND TO ITS ORIGINAL CONDITION.
 2. A 304 STONE CAP MAY NOT BE USED IN THE FIRST 50 FEET OFF OF THE ROADWAY, BUT CAN BE USED PAST THIS POINT.
 3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
 4. LOCATION TO BE SHOWN ON PLANS TO SATISFACTION OF THE CITY ENGINEER.
- * WHEN A CONSTRUCTION ENTRANCE IS INSTALLED ADJACENT TO A PUBLIC ROAD WITH A POSTED SPEED LIMIT OF 35 MPH OR GREATER, THE FIRST 50 FEET OF THE ENTRANCE SHALL BE PAVED WITH 3 INCHES OF ITEM 301 ASPHALT CONCRETE.

**STABILIZED
CONSTRUCTION
ENTRANCE**



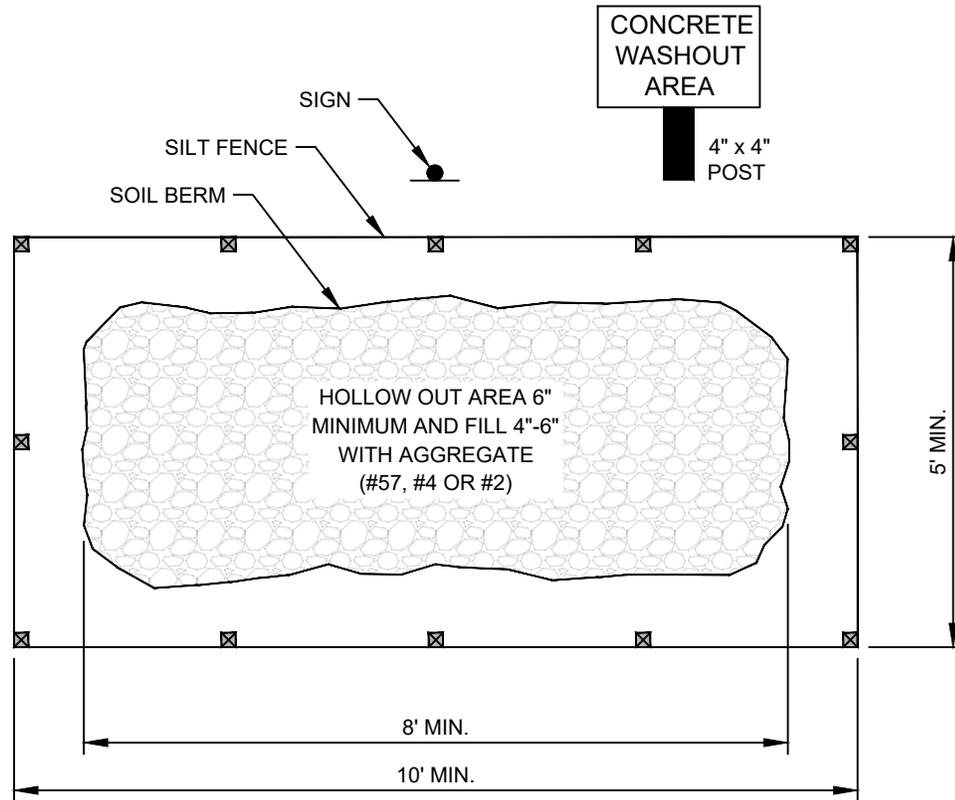
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CONCRETE WASHOUT AREA NOTES:

1. CONCRETE TRUCKS SHALL UTILIZE AREA TO WASH OUT TRUCKS.
2. ACCUMULATED CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
3. GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE HOLLOWED OUT AREA PRIOR TO USE.
4. THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED FOR ALL CONSTRUCTION AREAS IN THE CITY OF DUBLIN.
5. CONCRETE WASHOUTS SHALL BE PLACED AWAY FROM NATURAL SITE DRAINAGE, STORM DRAIN INLETS, CRITICAL ROOT ZONES, OR ANY OTHER RECEIVING WATER. LOCATION SHALL BE SHOWN ON THE PLANS AND APPROVED BY CITY ENGINEER.

**CONCRETE
WASHOUT AREA**



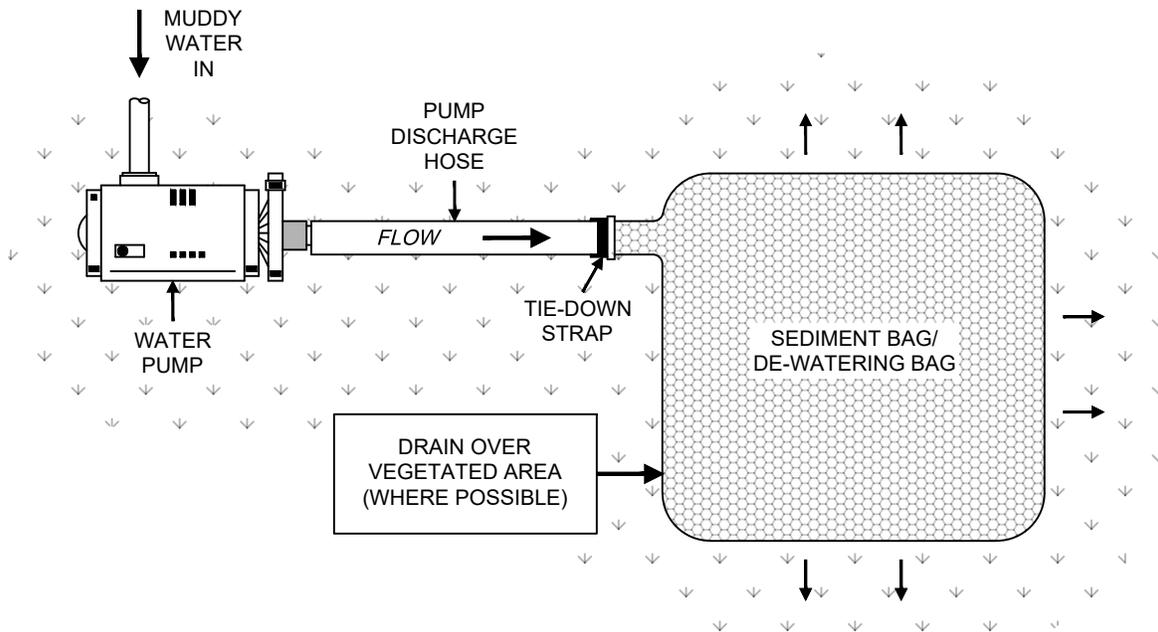
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DEWATERING FILTER BAG NOTES:

1. THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE PUBLIC SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF THE CITY OF DUBLIN AND OHIO EPA REGULATIONS.
2. ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.
3. DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURER'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE.
4. THE CONTRACTOR SHALL PUMP MUDDY WATER ENCOUNTERED WITHIN EXCAVATED AREAS THAT ARE NOT TRIBUTARY TO SEDIMENT BASINS INTO A SEDIMENT BAG. THE BAG SHALL BE PLACED WITHIN A LEVEL, UNDISTURBED AREA AS FAR AWAY FROM THE STORMWATER OUTFALL AS POSSIBLE. IF APPROVED BY CITY ENGINEER, THE ACCUMULATED SEDIMENT SHALL BE SPREAD OUT TO ALLOW TO DRY AND MIX WITH ONSITE TOPSOIL STOCKPILE.
5. THE SEDIMENT BAG SHALL BE REPLACED WHEN THE BAG IS HALF FILLED WITH SEDIMENT.
6. DEWATERING FILTER BAG SHALL BE PLACED AWAY FROM NATURAL SIT DRAINAGE, STORM DRAIN INLETS, CRITICAL ROOT ZONES, OR ANY OTHER RECEIVING WATER. LOCATION SHALL BE SHOWN ON THE PLANS AND APPROVED BY CITY ENGINEER.

DEWATERING FILTER BAG	
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PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE.	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE.
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE.	WITHIN TWO DAYS OF REACHING FINAL GRADE.
ANY OTHER AREAS AT FINAL GRADE.	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THE AREA.

TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE.	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL LIE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF SURFACE WATER.	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA.
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER.	PRIOR TO THE ONSET OF WINTER.

NOTE: THIS TABLE SHALL BE PLACED IN CONSTRUCTION PLANS.

SOIL STABILIZATION CHART



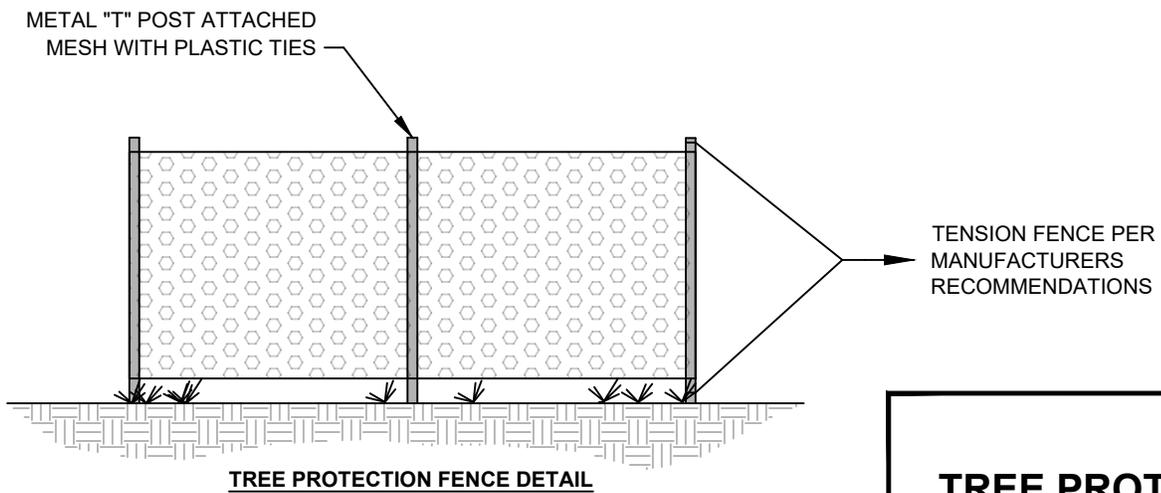
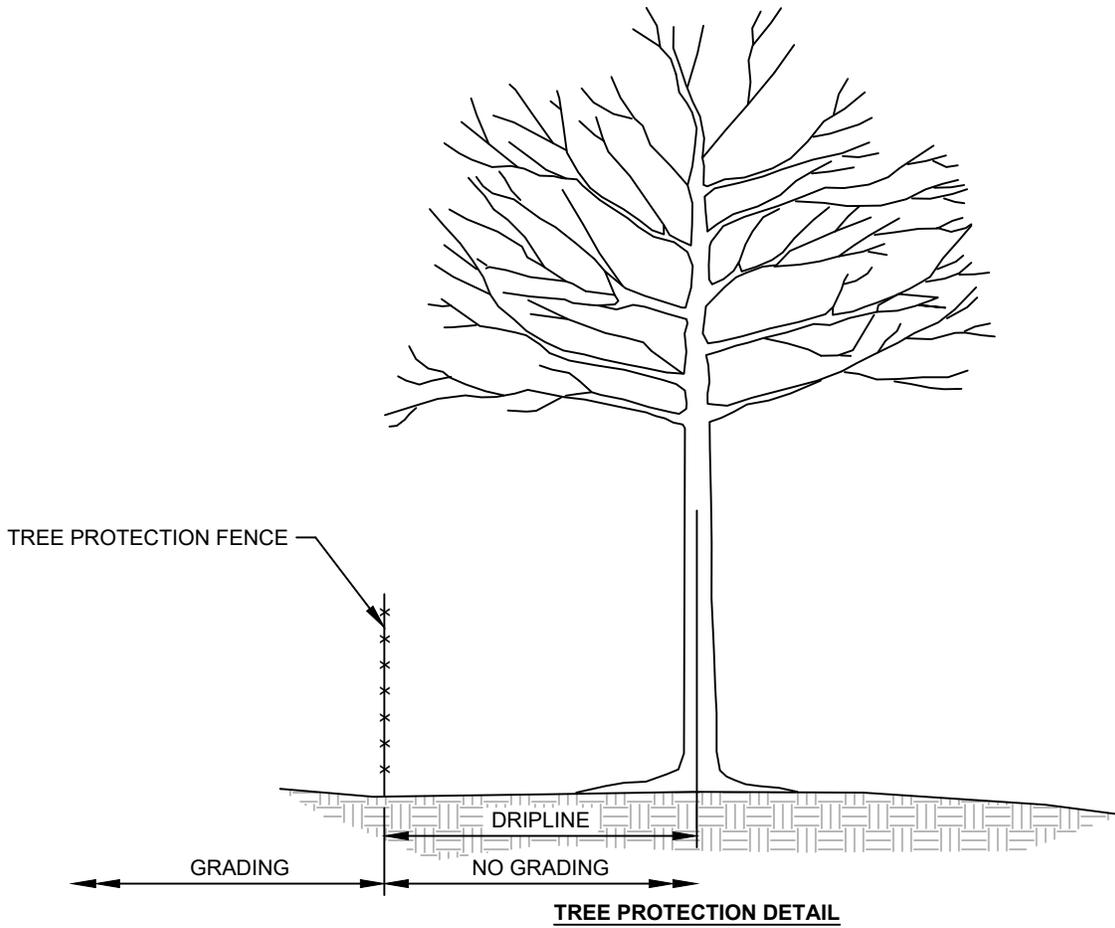
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TREE PROTECTION NOTES:

1. PROTECTION FENCE SHALL BE 4 FEET HIGH "TENSAR SAFETY GRID", COLOR ORANGE, AS MANUFACTURED BY TENSAR CORPORATION, MORROW, GEORGIA 30260, (800-942-9448), OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURE'S RECOMMENDATIONS. INTERMEDIATE POSTS SHALL BE SPACED EVERY 10 FEET.
2. FOR PROTECTED TREES, FENCE SHALL BE INSTALLED NO CLOSER THAN THE DRIPLINE OF THE TREE OR 10 FEET WHICHEVER IS GREATER.

<h2>TREE PROTECTION FENCING</h2>	
	STANDARD DRAWING: ERO-11
	REVISED: 01/01/26
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2026 Standard Drawings – Pedestrian Details

Purpose & Alignment

The Pedestrian details were modified to conform with all Local (City of Dublin Codified Ordinance Title 7 Traffic Code), State, and Federal ADA regulations (US Access Board Public Right-of-Way Accessibility Guidelines [PROWAG]).

Application and Use Guidance

- **ADA Compliance:** All new and reconstructed facilities must be upgraded to ADA compliance.
- **Sidewalks:** Design requirements include width, cross slope, vertical clearance, and appropriate frontage zones.
- **Curb Ramps:** Must provide full intersection connectivity, appropriate width, style/type, detectable warning surfaces, and positive drainage.

NUMBER	TITLE	PGS
PED - PEDESTRIAN DETAILS		
PED-01	GENERAL CURB RAMP LOCATIONS	1
PED-02	CURB RAMP GENERAL NOTES	2
PED-03	CURB RAMP TYPE 1	1
PED-04	CURB RAMP TYPE 2	1
PED-05	CURB RAMP TYPE 3	1
PED-06	CURB RAMP TYPE 4	1
PED-07	CURB RAMP TYPE 4A	1
PED-08	CURB RAMP TYPE 5	1
PED-09	CURB RAMP TYPE 6	1
PED-10	CURB RAMP TYPE 7	1
PED-11	CURB RAMP TYPE 8	1
PED-12	CURB RAMP TYPE 9	1
PED-13	CURB RAMP TYPE 10	1
PED-14	CURB RAMP TYPE 11	1

Engineering – Standard Construction Drawings 2026

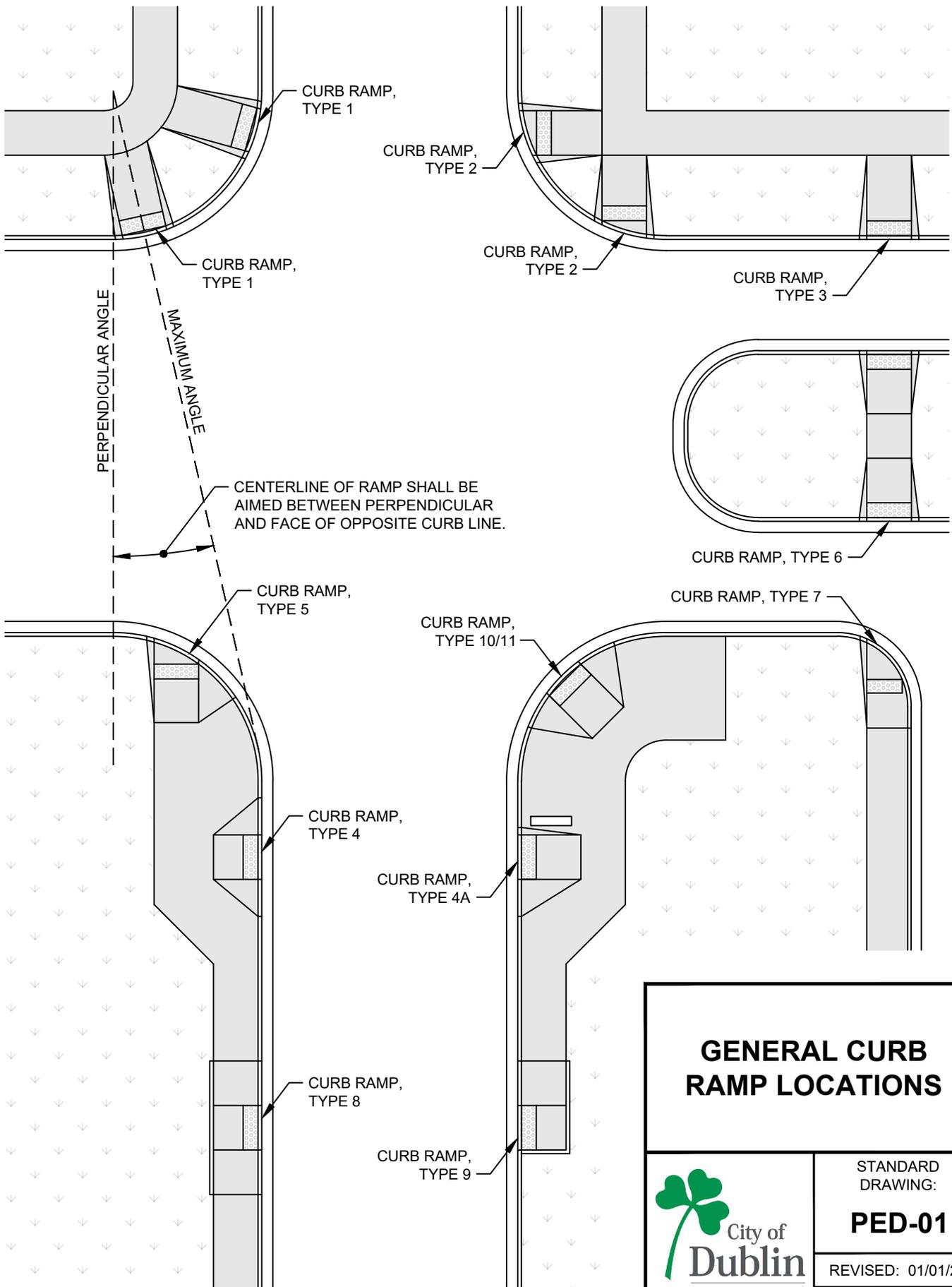


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GENERAL CURB RAMP LOCATIONS



STANDARD DRAWING:

PED-01

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GENERAL NOTES: CURB RAMPS

1. CURB RAMPS SHALL BE INSTALLED PER CMSC ITEM 608.
2. CURB RAMP PANEL AND FLARED SIDES SHALL BE CONCRETE.
3. CURB RAMPS ARE CATEGORIZED BELOW BY REQUIRED ORDER OF USE. THE DESIGNER SHALL NOT USE A HIGHER NUMBERED RAMP TYPE WITHOUT FIRST DETERMINING AND HAVING APPROVED JUSTIFICATION THAT THE PREVIOUS RAMPS ARE NOT CONSTRUCTIBLE. RAMP TYPES 7 THROUGH 11 SHALL BE USED ONLY AS APPROVED BY CITY ENGINEER.

PREFERRED RAMPS:

- TYPE 1 - DIRECTIONAL RAMP (PREFERRED)
- TYPE 2 - NON-PERPENDICULAR RAMP WITH RECESSED LOWER LANDING (WITH TREE LAWN)
- TYPE 3 - PERPENDICULAR RAMP IN TREE LAWN
- TYPE 4 - PERPENDICULAR RAMP WITH LONG FLARES
- TYPE 4A - PERPENDICULAR RAMP WITH OBSTRUCTION
- TYPE 5 - NON-PERPENDICULAR RAMP WITH RECESSED LOWER LANDING (IMPERVIOUS TREE LAWN)
- TYPE 6 - MEDIAN RAMP WITH CENTER LANDING

RAMPS REQUIRING APPROVAL (TO BE USED ONLY WHEN APPROVED BY CITY ENGINEER):

- TYPE 7 - NON-PERPENDICULAR RAMP WITH RECESSED LOWER LANDING (NO TREE LAWN)
 - TYPE 8 - COMBINED PERPENDICULAR AND PARALLEL RAMP WITH 2 TRANSITION RAMPS
 - TYPE 9 - COMBINED PERPENDICULAR AND PARALLEL RAMP WITH ONE DIRECTION TRANSITION RAMP
 - TYPE 10 - DIAGONAL RAMP IN TREE LAWN
 - TYPE 11 - DIAGONAL RAMP WITH FLARES
4. RAMP RUNNING SLOPE - THE RAMP RUNNING SLOPE SHALL BE 5% (1:20) TO 7.69% (1:13).
 5. RAMP CROSS SLOPE - THE CROSS SLOPE SHALL BE 1.0% TO 1.56% (1:64, 3/16 INCH PER FOOT).
 6. PERPENDICULAR RAMP WIDTH - THE MINIMUM WIDTH OF WALK RAMP SHALL BE 6 FEET AND SHARED USE PATH RAMP SHALL BE 11 FEET. IF CLEARANCE RESTRICTIONS EXIST, THE RAMP WIDTH MAY BE REDUCED TO A MINIMUM OF 4 FEET WITH PRIOR WRITTEN APPROVAL FROM CITY ENGINEER.
 7. ALL JOINTS BETWEEN NEW AND EXISTING MATERIALS SHALL BE FLUSH.
 8. LONG FLARES - THE LENGTH OF THE FLARE AT THE FACE OF CURB SHALL BE A MAXIMUM OF 10% OR 10 TIMES THE CURB HEIGHT, WHICHEVER IS LESS.
 9. 1 FOOT FLARES - THE MEASUREMENT OF THE FLARE AT THE FACE OF CURB SHALL BE A MINIMUM OF 1 FOOT.
 10. LANDINGS - LANDINGS SHALL BE A MINIMUM OF 6 FEET BY 6 FEET WITH A MINIMUM 1.0% AND MAXIMUM 1.56% SLOPE PARALLEL AND PERPENDICULAR TO THE RAMP RUNNING SLOPE. PERPENDICULAR LANDING SLOPE SHALL NOT EXCEED 2.0%.
 11. STREET CROSS SLOPE - THE CROSS SLOPE AT THE BASE OF THE RAMP SHALL BE A MAXIMUM OF 1:20 OR 5% FOR A MINIMUM OF 2 FEET.
 12. MAXIMUM DIFFERENTIAL BETWEEN RAMP RUNNING SLOPE AND GUTTER PAN SHALL BE 9.25%, THE PREFERRED DIFFERENTIAL IS 6.56%.
 13. RAMPS AT MARKED CROSSWALK CROSSINGS: AT MARKED CROSSWALK CROSSINGS, THE STREET CLEAR AREA MUST BE FULLY CONTAINED WITHIN THE MARKED CROSSWALK.
 14. RAMPS AT UNMARKED CROSSWALK CROSSINGS: AT UNMARKED CROSSWALK CROSSINGS, THE ROADWAY CLEAR AREA MUST BE WITHIN THE PEDESTRIAN RIGHT-OF-WAY.
 15. FOR INSTALLATION OF CROSSING TREATMENTS AT UNCONTROLLED CROSSWALK LOCATIONS, SEE CITY OF DUBLIN CROSSWALK TREATMENT GUIDELINES (CURRENT EDITION).

**CURB RAMP
GENERAL NOTES**



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GENERAL NOTES: CURB RAMPS CONT.

- 16. SURFACES - RAMP AND FLARE SURFACES MUST BE STABLE AND SLIP RESISTANT. RAMPS SHALL BE MEDIUM BROOMED TRANSVERSE TO THE DIRECTION OF TRAVEL. GRATINGS, VALVE BOXES, AND UTILITY BOXES SHALL NOT BE LOCATED IN THE RAMP, LANDING, OR TRANSITION AREAS, UNLESS APPROVED BY CITY ENGINEER.
- 17. RAMPS MUST BE CONSTRUCTED TO ALLOW FOR POSITIVE DRAINAGE. THE RAMP ITSELF SHALL NOT HOLD WATER AND THE ADJACENT PAVEMENT SHALL NOT BE ALTERED TO INHIBIT THE FLOW OF WATER. IF AN EXISTING CONSTRAINT PREVENTS BUILDING THE RAMP AND ADJACENT AREA WITH POSITIVE DRAINAGE, IT MUST BE BROUGHT TO THE CITY'S ATTENTION PRIOR TO CONSTRUCTION.
- 18. THE PEDESTRIAN PATH WITHIN THE ROADWAY PAVEMENT BETWEEN OPPOSING RAMPS SHALL BE AT LEAST 7 FEET WIDE AND SHALL HAVE A TRAVERSE CROSS-SLOPE OF NO GREATER THAN 2% (UNLESS APPROVED BY CITY ENGINEER). VERTICAL CURVES ON THE ROADWAY PROFILE SHALL BE INSTALLED AS NEEDED.
- 19. GRAVEL BEDDING SHALL HAVE A MINIMUM DEPTH OF 4 INCHES AND SHOULD NOT EXCEED A DEPTH OF 6 INCHES.
- 20. FOR WALK OR SHARED USE PATH CROSSING OF PRIVATE DRIVES:
 - A. PEDESTRIANS HAVE THE RIGHT OF WAY FOR CROSSINGS OF UNSIGNALIZED PRIVATE DRIVES (RESIDENTIAL AND NON-RESIDENTIAL). THE WALK OR SHARED USE PATH SHALL EXTEND THROUGH THE DRIVE AT GRADE WITH NO CURB RAMP OR DETECTABLE WARNING.
 - B. IN LOCATIONS WHERE TREE LAWN WIDTHS ARE NARROW, IN ORDER TO AVOID STEEP DRIVE PROFILES TO PROVIDE A SAFE TRANSITION FOR VEHICLES BETWEEN THE ROADWAY AND DRIVE, THE WALK OR SHARED USE PATH MAY UTILIZE A TRANSITION SLOPE OVER 10 TO 15 FEET ON EITHER SIDE OF THE DRIVE TO ACHIEVE THE DESIRED ELEVATION AT THE DRIVE APPROACH. NO CURB RAMP OR DETECTABLE WARNING IS REQUIRED.
 - C. AT LARGE NON-RESIDENTIAL UNSIGNALIZED DRIVES, PROVISIONS FOR WALKS AND SHARED USE PATHS AND THE NEED FOR RAMPS AND DETECTABLE WARNINGS SHALL BE EVALUATED ON A CASE-BY-CASE BASIS, AND MAY BE REQUIRED BY CITY ENGINEER.
 - D. LARGE NON-RESIDENTIAL SIGNALIZED DRIVES SHALL BE TREATED AS A PUBLIC ROADWAY INTERSECTION WITH RESPECT TO LOCATION AND DESIGN OF ALL WALKS, SHARED USE PATHS, CURB RAMPS, AND DETECTABLE WARNINGS.
- 21. DETECTABLE WARNINGS SHALL BE INSTALLED ACCORDING TO THESE STANDARD DRAWINGS, CMSC ITEM 608, AND ADA RULES AND REGULATIONS.
- 22. DETECTABLE WARNINGS SHALL BE PROVIDED WHEREVER A CURB RAMP CROSSES A PUBLIC VEHICULAR ROADWAY EXCLUDING UNSIGNALIZED PRIVATE VEHICULAR ROADWAYS, UNLESS REQUIRED BY CITY ENGINEER.
- 23. DETECTABLE WARNINGS SHALL BE PROVIDED 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
- 24. DETECTABLE WARNINGS SHALL BE PLACED 6 INCHES TO 8 INCHES BEHIND THE FACE OF CURB AND BEHIND THE CURB JOINT. DETECTABLE WARNING SHALL BE PERPENDICULAR TO THE CENTERLINE OF THE RAMP.
- 25. SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION. THE CONCRETE BORDER SHALL NOT EXCEED 2 INCHES. WHERE THE BACK OF CURB EDGE IS TOOLED TO PROVIDE A RADIUS, THE BORDER DIMENSION SHALL BE MEASURED FROM THE END OF THE RADIUS.
- 26. DETECTABLE WARNINGS SHALL BE CAST IRON, CAST IN PLACE WITH REPLACEABLE TILES, AND MUST MEET CURRENT PROWAG AND ADA REQUIREMENTS. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACE. BRICK RED COLOR SHALL BE USED ON CONCRETE AND BLACK SHALL BE USED ON BRICK, UNLESS OTHERWISE APPROVED BY CITY ENGINEER.

**CURB RAMP
GENERAL NOTES**



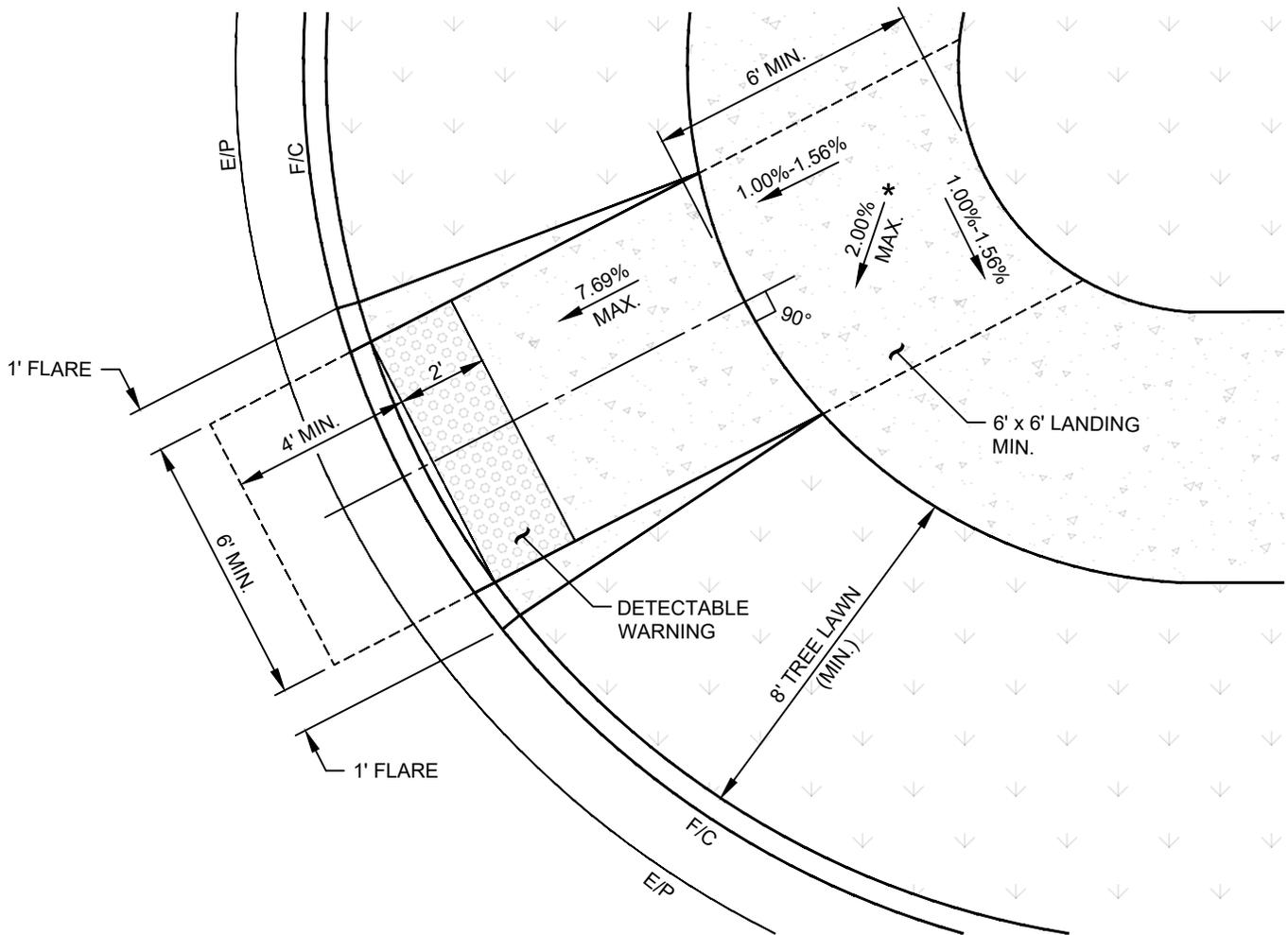
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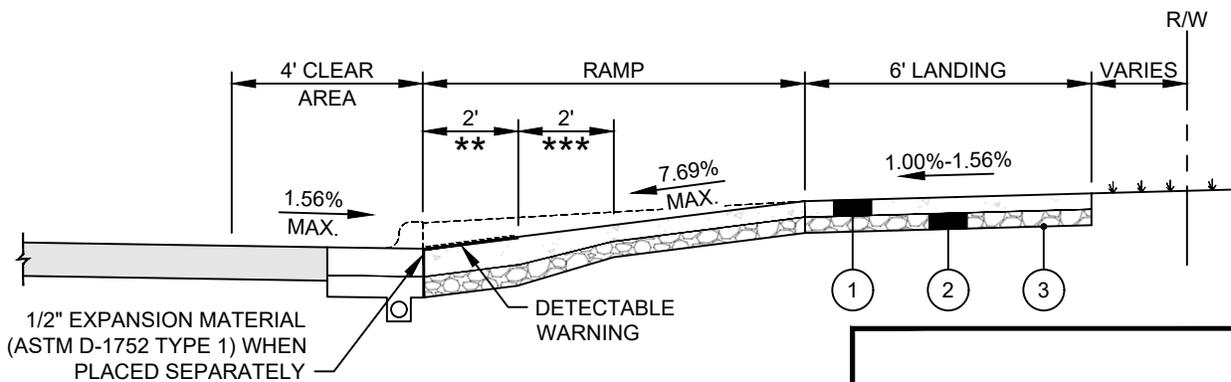
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

- ① ITEM 608 - 4" COC 6 CONCRETE
- ② ITEM 304 - 4" AGGREGATE BASE
- ③ ITEM 204 - SUBGRADE COMPACTION

* LANDING SHALL HAVE 2.00% MAXIMUM SLOPE IN ANY DIRECTION

** CURB RAMP SECTION TO BE 8" THICK FOR THE FIRST 24"
(ITEM 304 - 6" AGGREGATE BASE)

*** CURB RAMP TRANSITIONS FROM 8" THICK TO 4" THICK IN 24"
(ITEM 304 - AGGREGATE BASE TRANSITION FROM 6" TO 4")

**CURB RAMP
TYPE 1**



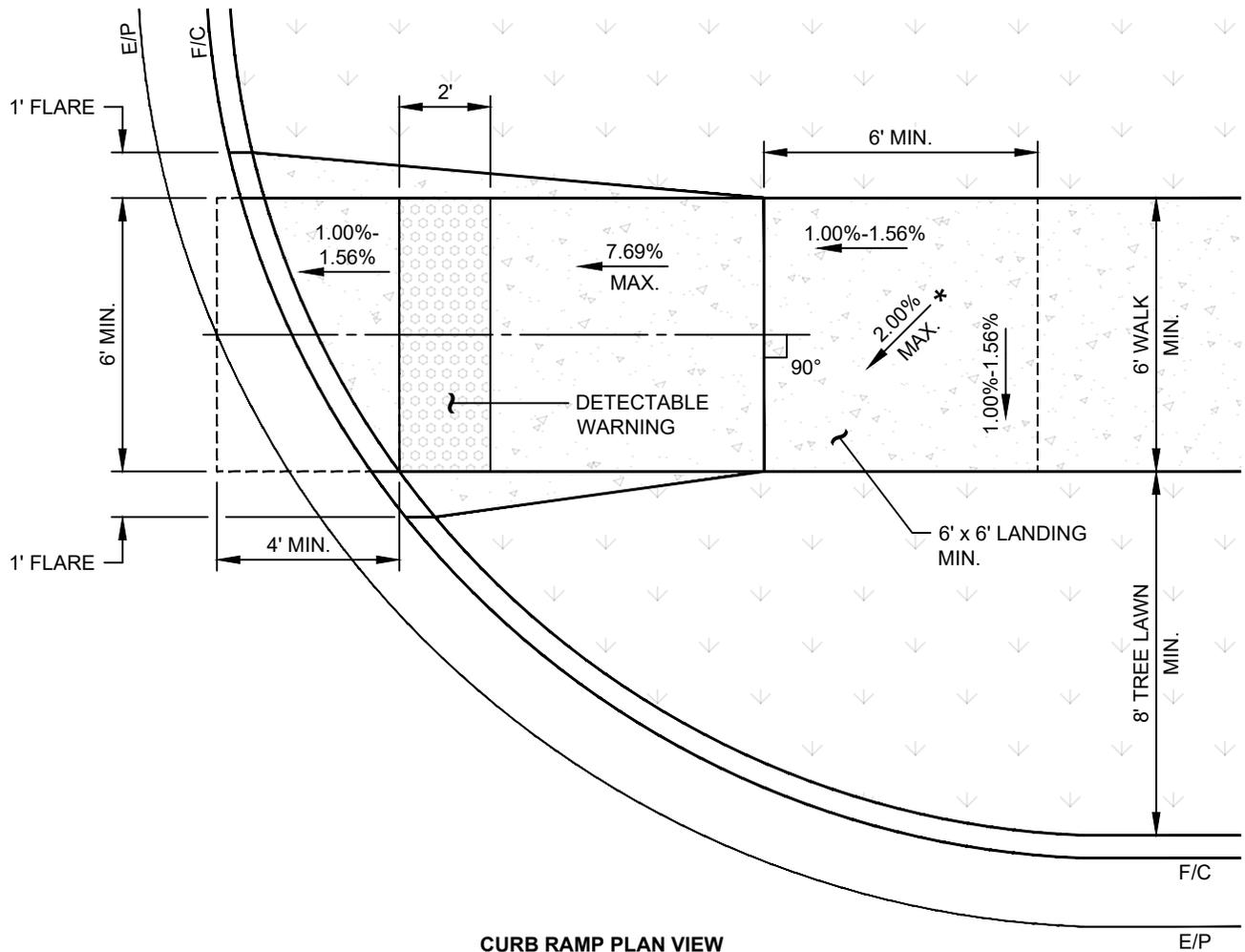
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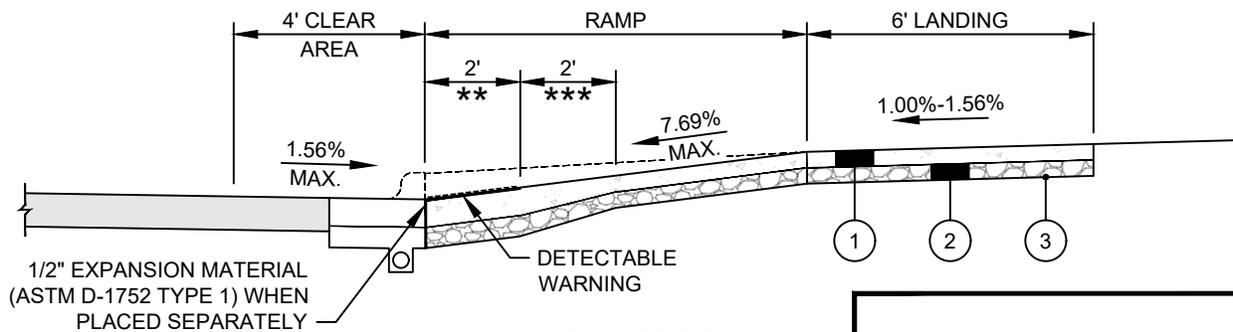
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

- ① ITEM 608 - 4" COC 6 CONCRETE
- ② ITEM 304 - 4" AGGREGATE BASE
- ③ ITEM 204 - SUBGRADE COMPACTION

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CURB RAMP TYPE 2



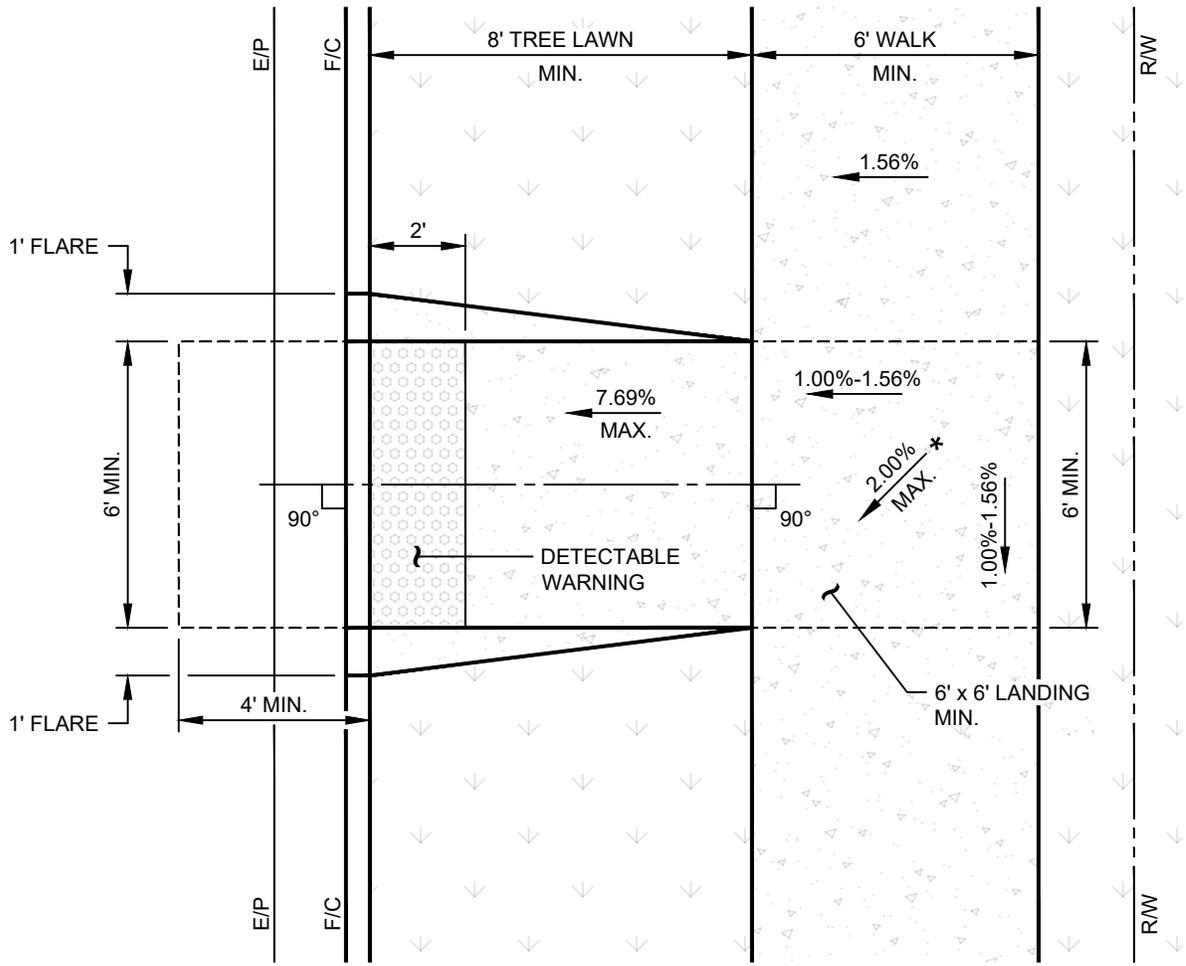
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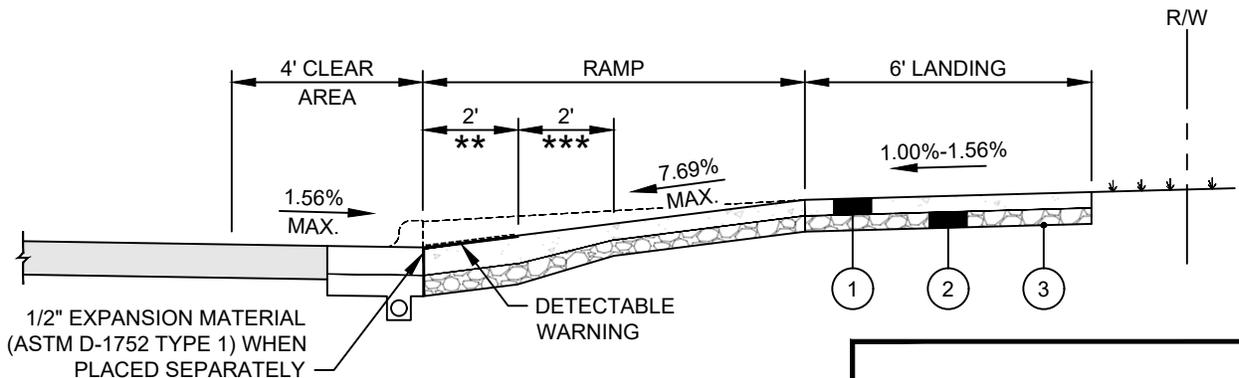
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

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**CURB RAMP
TYPE 3**



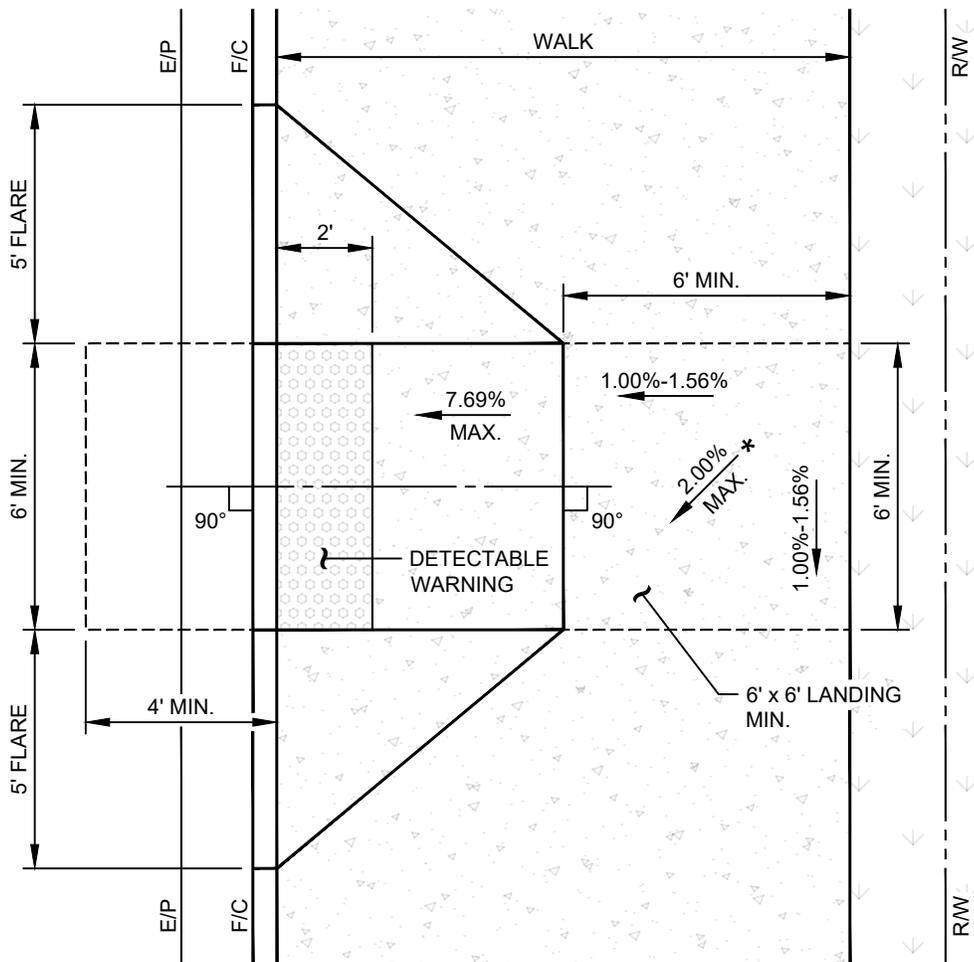
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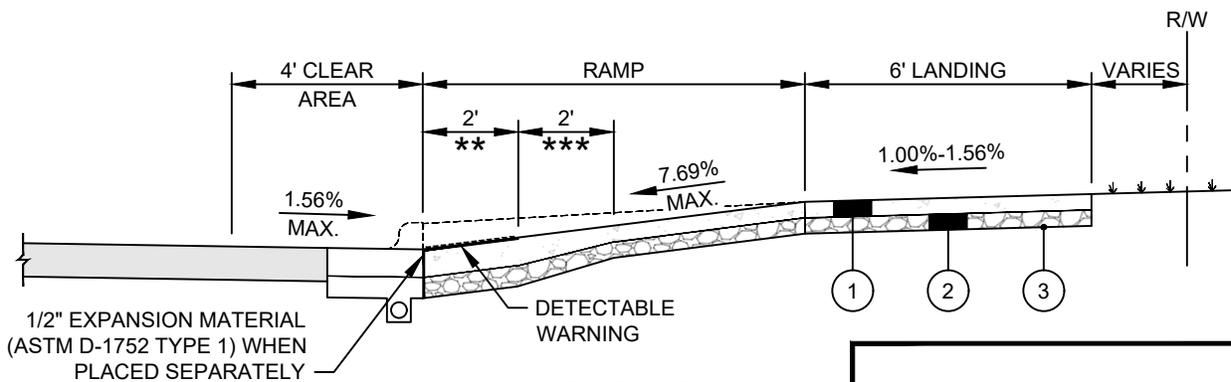
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

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- ② ITEM 304 - 4" AGGREGATE BASE
- ③ ITEM 204 - SUBGRADE COMPACTION

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CURB RAMP TYPE 4



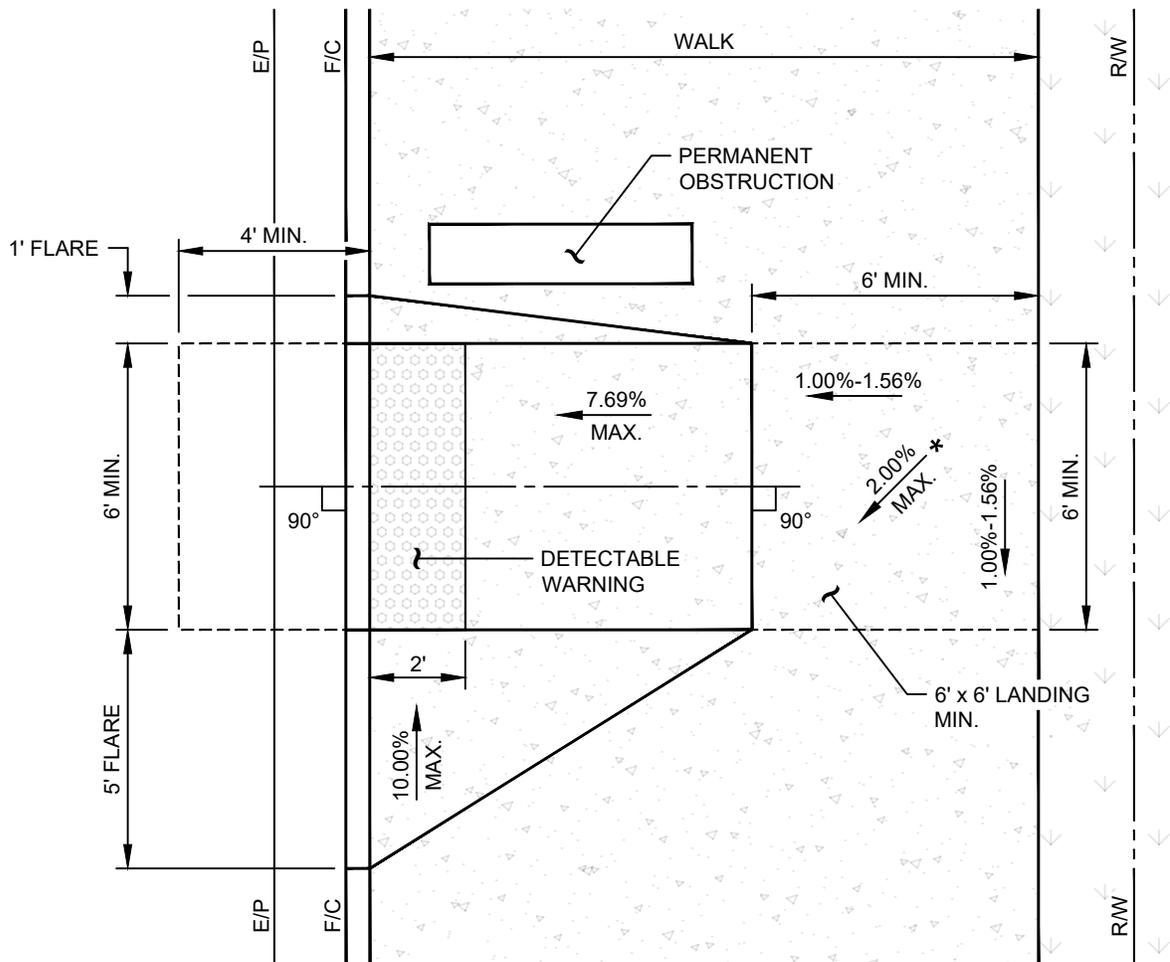
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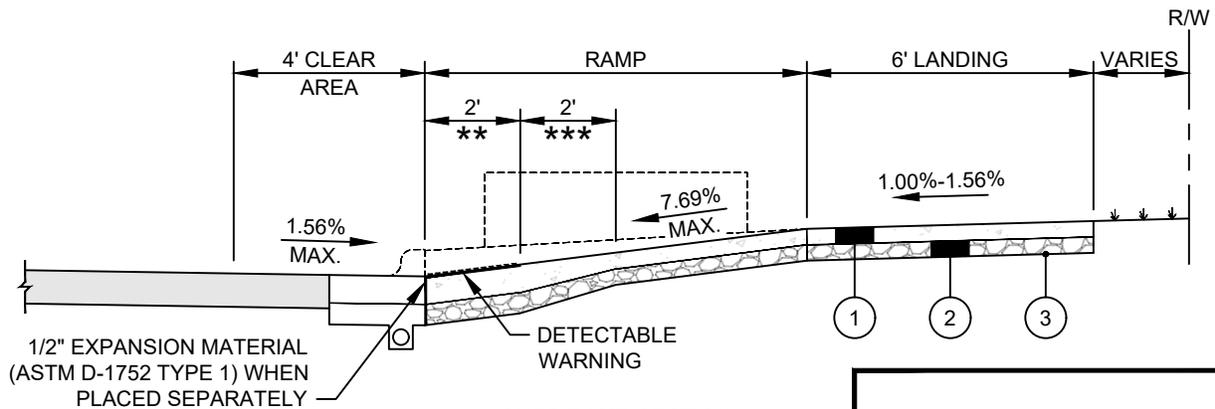
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

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(ITEM 304 - 6" AGGREGATE BASE)

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(ITEM 304 - AGGREGATE BASE TRANSITION FROM 6" TO 4")

**CURB RAMP
TYPE 4A**



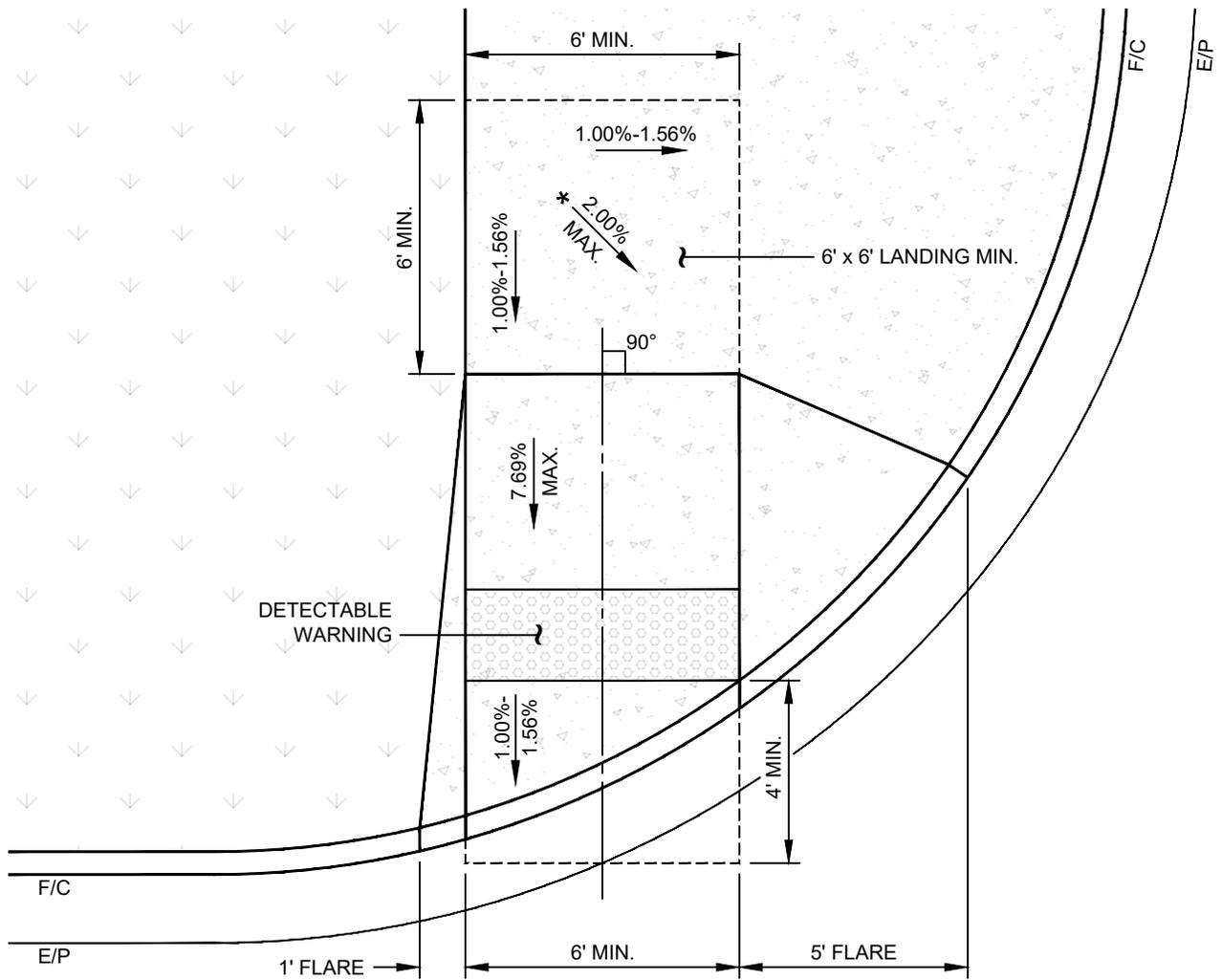
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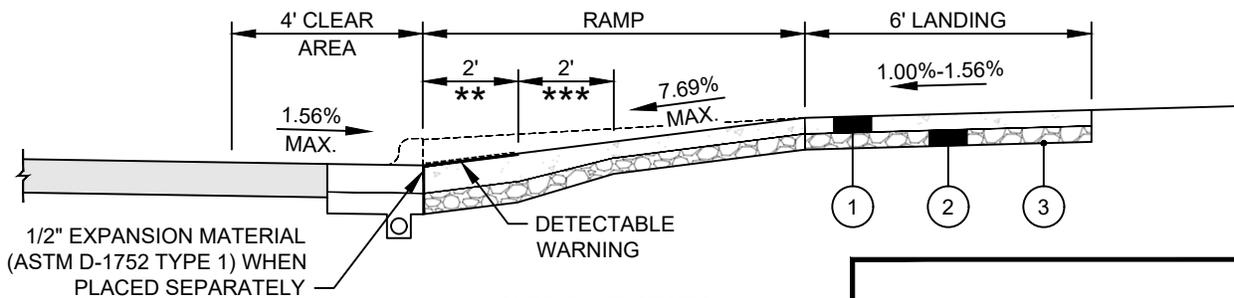
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

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**CURB RAMP
TYPE 5**



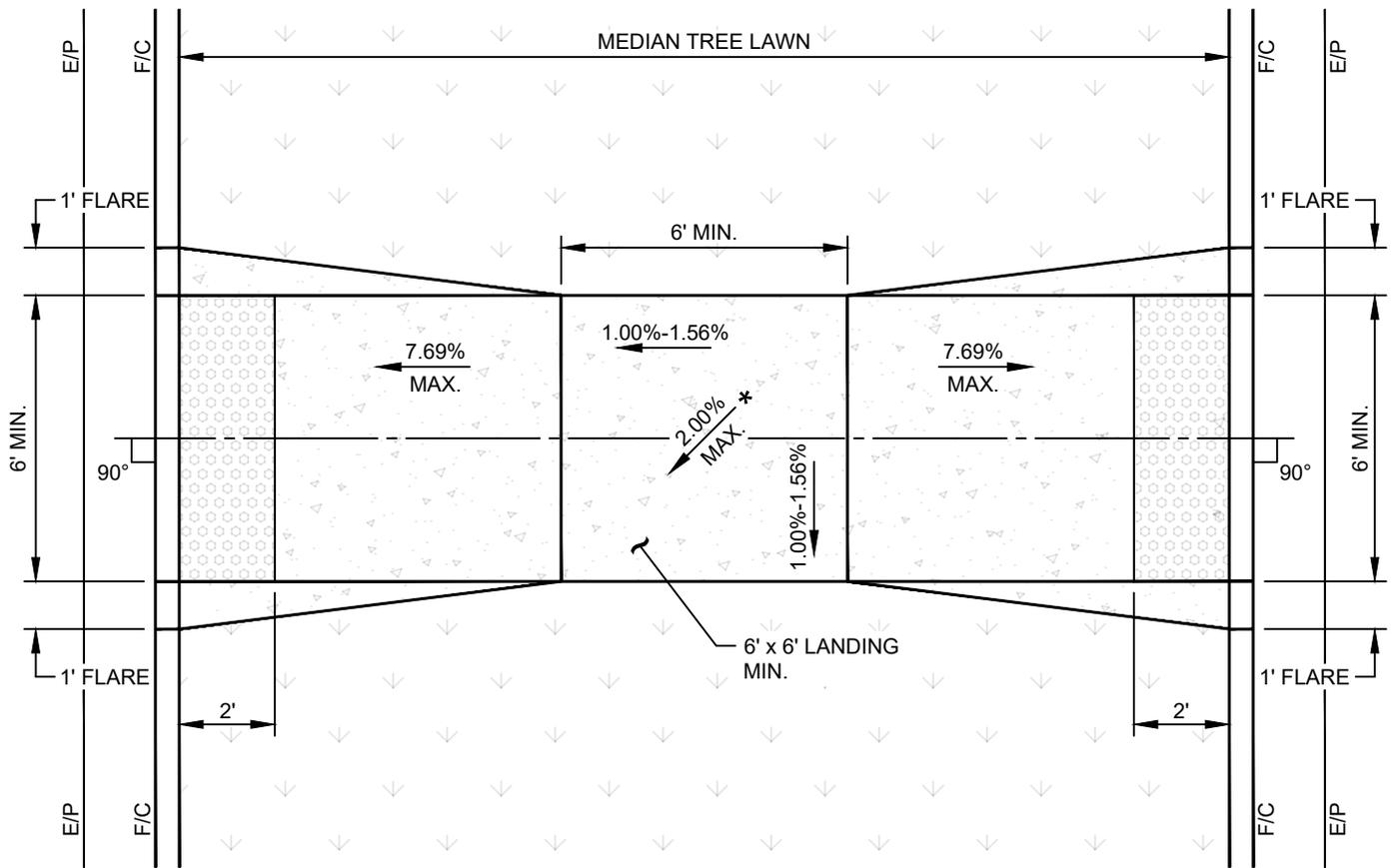
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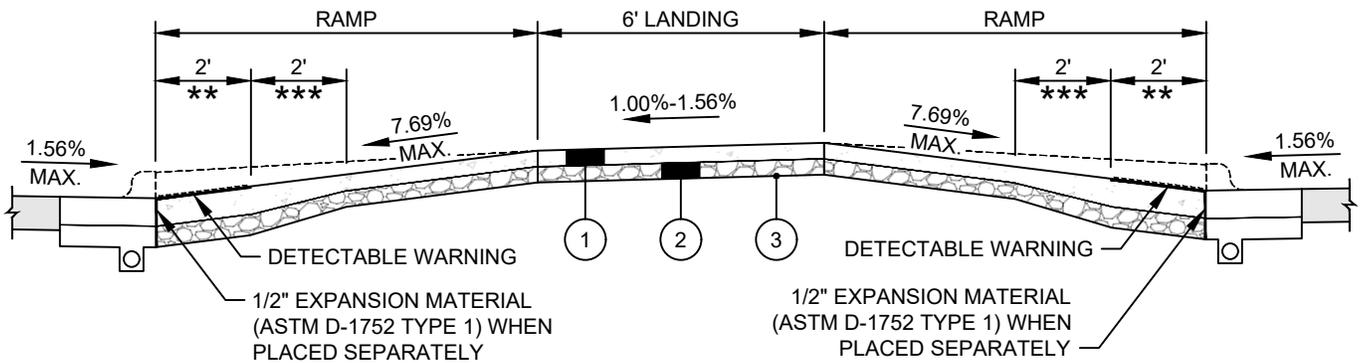
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

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*** CURB RAMP TRANSITIONS FROM 8" THICK TO 4" THICK IN 24" (ITEM 304 - AGGREGATE BASE TRANSITION FROM 6" TO 4")

CURB RAMP TYPE 6



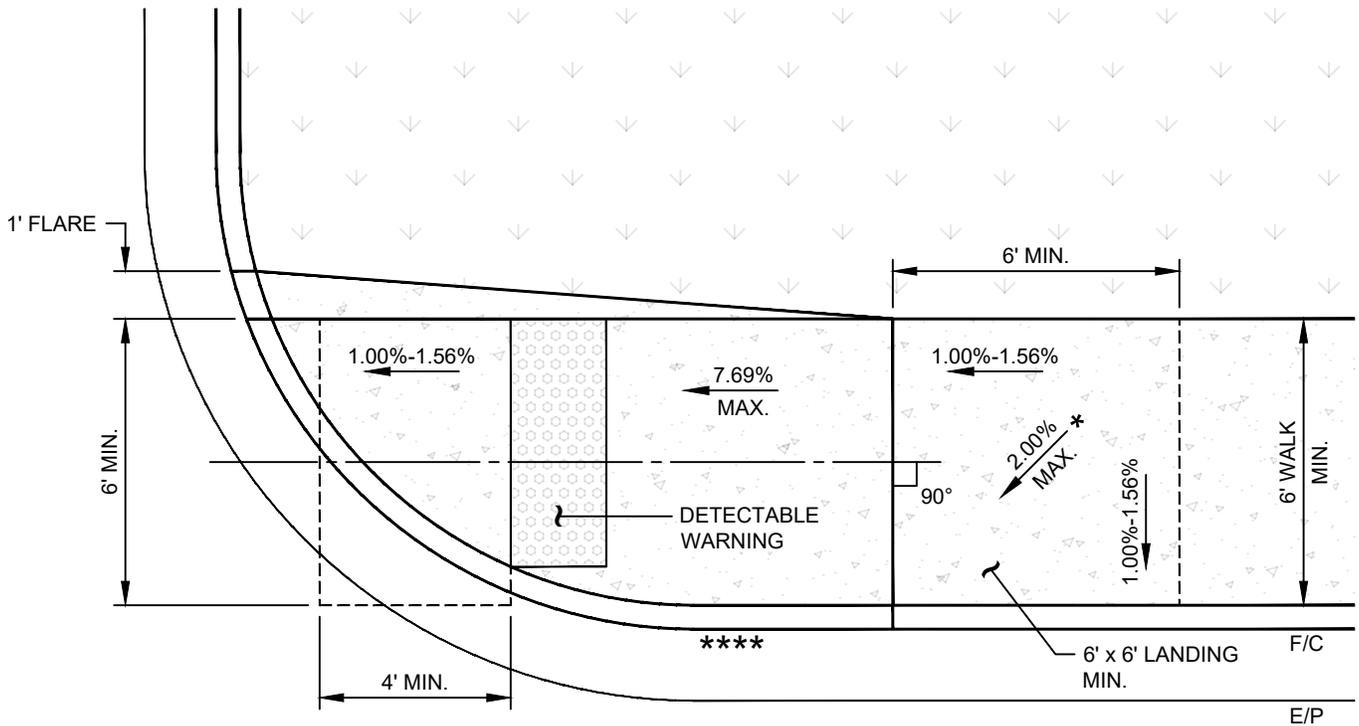
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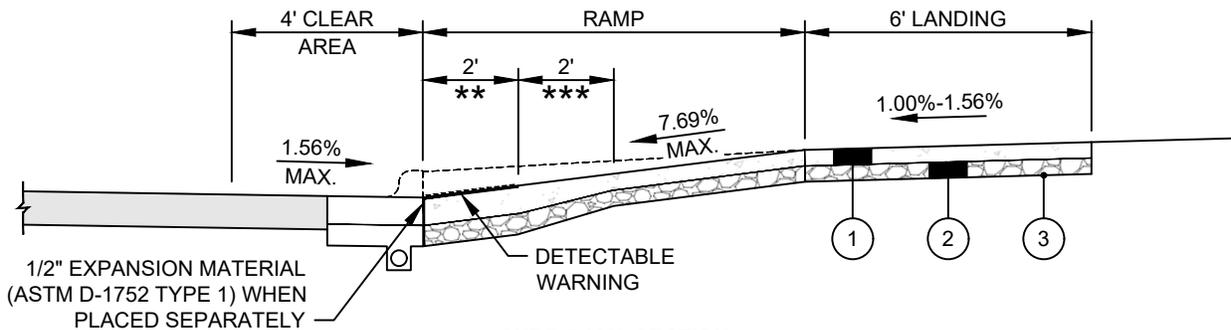
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

- ① ITEM 608 - 4" COC 6 CONCRETE
- ② ITEM 304 - 4" AGGREGATE BASE
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(ITEM 304 - 6" AGGREGATE BASE)

*** CURB RAMP TRANSITIONS FROM 8" THICK TO 4" THICK IN 24"
(ITEM 304 - AGGREGATE BASE TRANSITION FROM 6" TO 4")

**** CURB FOLLOWS SLOPE OF RAMP (MIN. 2' TAPER)

CURB RAMP TYPE 7



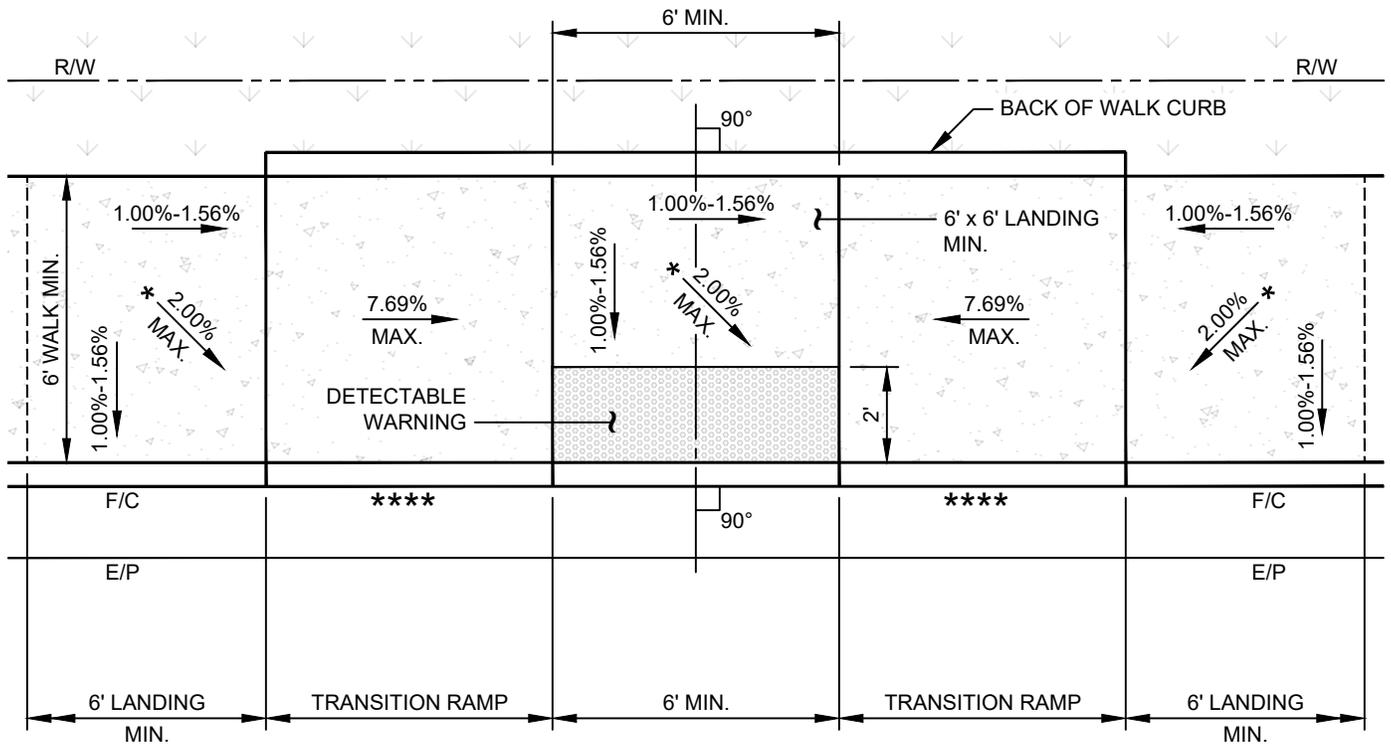
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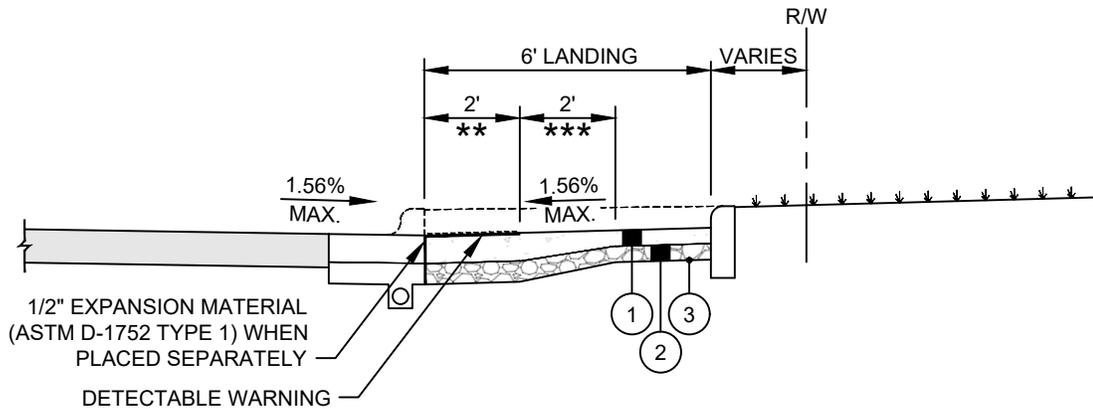
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

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(ITEM 304 - 6" AGGREGATE BASE)

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(ITEM 304 - AGGREGATE BASE TRANSITION FROM 6" TO 4")

**** CURB FOLLOWS SLOPE OF RAMP (MIN. 5' TAPER)

CURB RAMP TYPE 8



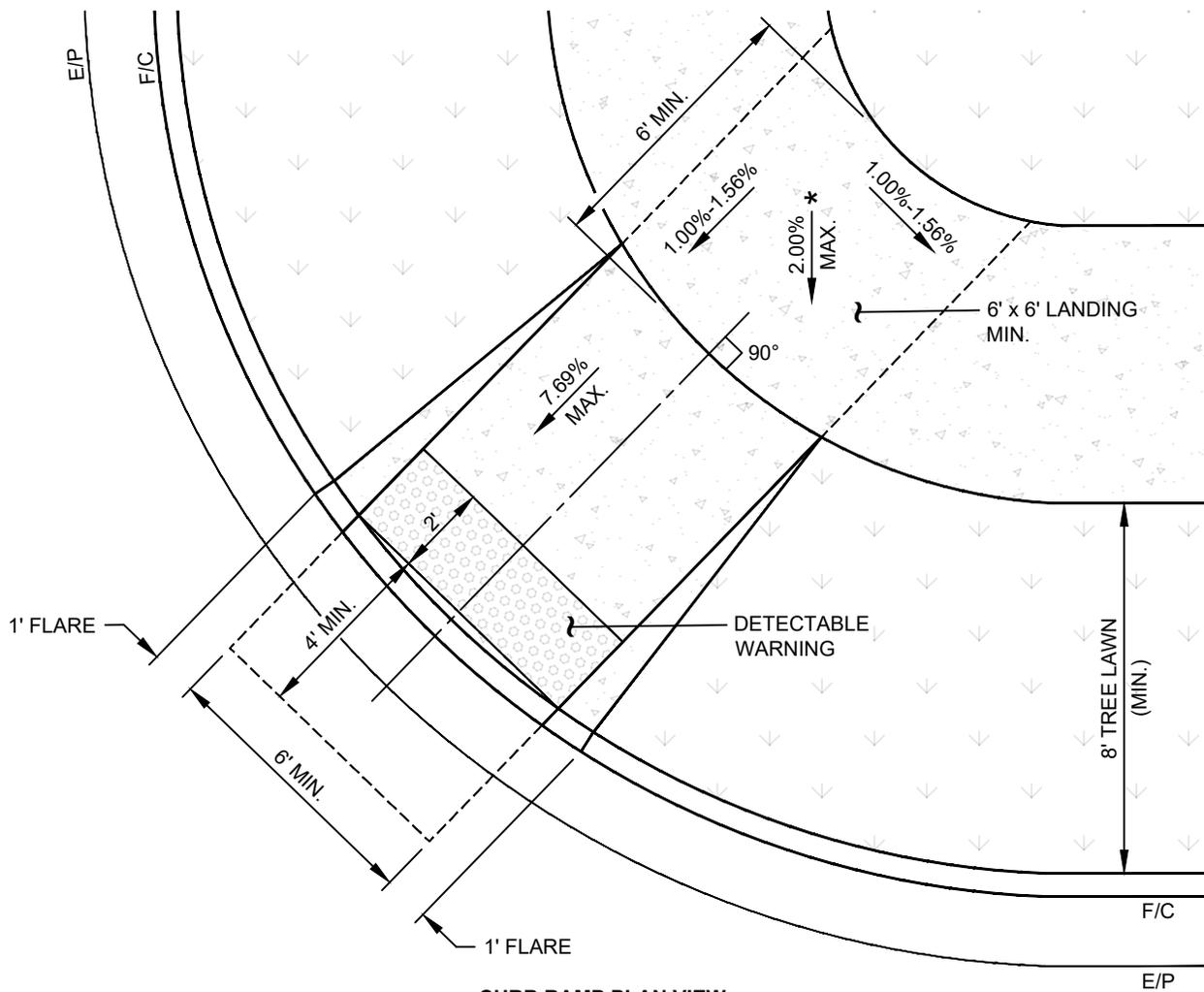
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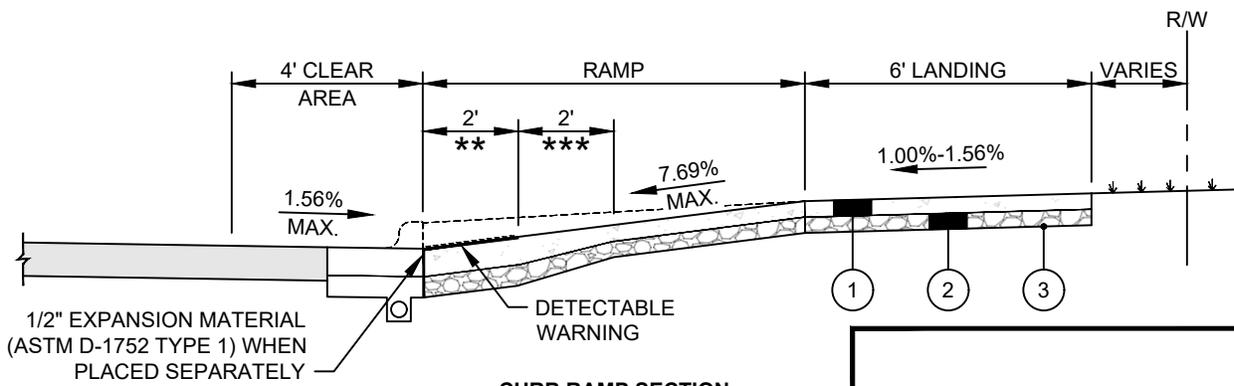
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

- ① ITEM 608 - 4" COC 6 CONCRETE
- ② ITEM 304 - 4" AGGREGATE BASE
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**CURB RAMP
TYPE 10**



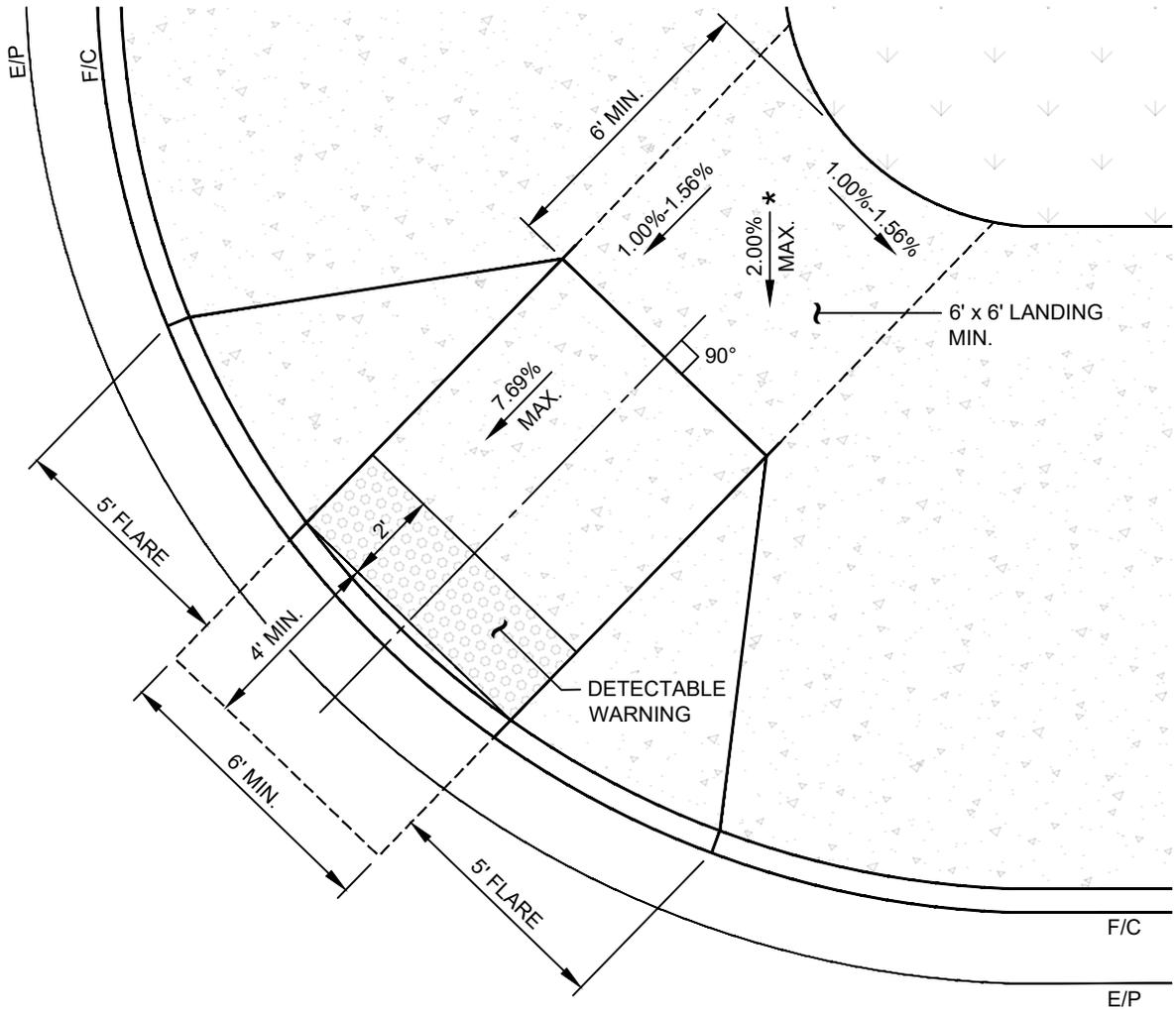
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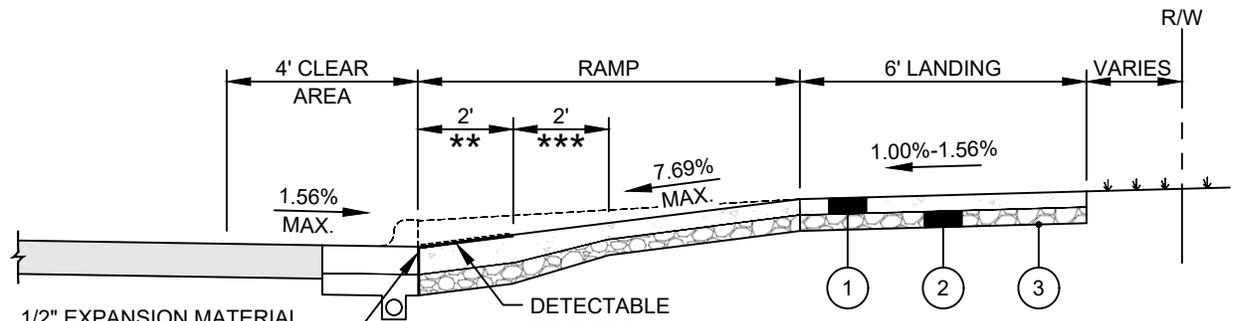
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CURB RAMP PLAN VIEW



CURB RAMP SECTION

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**CURB RAMP
TYPE 11**



STANDARD
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2026 Standard Drawings - Roadway

Purpose & Alignment

The 2026 Standard Drawings for Roadway are designed to provide clear guidance for the planning, design, and construction of City streets, ensuring they support safe and efficient travel for all users. These standards align with Dublin’s vision for modern, accessible, and resilient infrastructure, incorporating best practices that address evolving transportation demands and community needs while promoting consistency with regional and state guidelines.

Application and Use Guidance

- **Envision Dublin Integration:** Drawings reflect the goals of the Envision Dublin Community Plan, emphasizing multimodal transportation, sustainable infrastructure, and enhanced public spaces.
- **Modernized Design Standards:** Updates include revised roadway sections, pedestrian facilities, stormwater management details, and utility layouts to meet current best practices.
- **Additional Standards:** Please reference the current City of Columbus standard drawings and/or ODOT standards for any roadway items that are not provided below.

NUMBER	TITLE	PGS
RDW - ROADWAY		
RDW-01	PUBLIC PAVEMENT TYPICAL SECTION	1
RDW-02	PRIVATE PAVEMENT TYPICAL SECTION	1
RDW-03	6" COMBINATION CONCRETE CURB & GUTTER	1
RDW-04	8" COMBINATION CONCRETE CURB & GUTTER	1
RDW-05	STRAIGHT 18" CONCRETE CURB	1
RDW-06	MOUNTABLE CURB & GUTTER	1
RDW-07	6' CONCRETE WALK	1
RDW-08	11' CONCRETE SHARED USE PATH	1
RDW-09	11'-13' ASPHALT SHARED USE PATH	1
RDW-10	RESIDENTIAL DRIVE APPROACH (CURBED STREETS)	1
RDW-11	RESIDENTIAL DRIVE APPROACH (NON-CURBED STREETS)	1
RDW-12	RESIDENTIAL DRIVE APPROACH (BRICK PAVERS)	1
RDW-13	RESIDENTIAL DRIVE APPROACH (CONCRETE & BRICK PAVERS)	1
RDW-14	BRICK PAVER NOTES FOR RESIDENTIAL DRIVES	1
RDW-15	NON-RESIDENTIAL DRIVE APPROACH (CURBED STREETS)	1
RDW-16	NON-RESIDENTIAL DRIVE APPROACH (NON-CURBED STREETS)	1
RDW-17	NON-RESIDENTIAL DRIVE RIGHT IN & RIGHT OUT (CURBED STREETS)	2
RDW-18	NON-RESIDENTIAL DRIVE RIGHT IN & RIGHT OUT (NON-CURBED STREETS)	1
RDW-19	CUL-DE-SAC (UP TO 1,000')	1
RDW-20	TYPICAL STREET SIGNS	1
RDW-21	TYPICAL STREET NAME SIGNS	1
RDW-22	HISTORIC DISTRICT BRICK PAVER WALK	1
RDW-23	ROUNDBOUT TRUCK APRON DETAIL	1
RDW-24	BRICK PAVER MEDIAN DETAIL	1
RDW-25	CONCRETE COLLAR FOR MANHOLES IN PAVEMENT	1
RDW-26	RESIDENTIAL DRIVE SLOPE	1
RDW-27	MONUMENT BOX DETAIL	1

Engineering – Standard Construction Drawings 2026

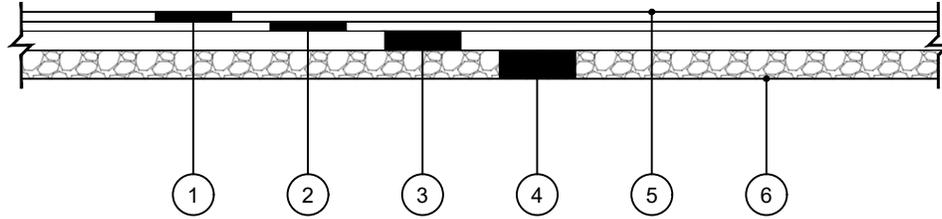


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NEIGHBORHOOD AND SHARED ROADWAYS

- ① ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ③ ITEM 301 - ASPHALT CONCRETE BASE (3" COURSE)
- ④ ITEM 304 - AGGREGATE BASE
- ⑤ ITEM SPEC - ASPHALT REJUVENATING AGENT ***
- ⑥ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

*** MINIMUM PAVEMENT DEPTH**

**** ALTERNATIVE PAVEMENT DEPTH**

1 1/4"	1 1/4"
1 3/4"	1 3/4"
3"	6"
6"	N/A

CONNECTOR AND ARTERIAL ROADWAYS

- ① ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ③ ITEM 301 - ASPHALT CONCRETE BASE (3" COURSE)
- ④ ITEM 304 - AGGREGATE BASE
- ⑤ ITEM SPEC - ASPHALT REJUVENATING AGENT ***
- ⑥ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

*** MINIMUM PAVEMENT DEPTH**

**** ALTERNATIVE PAVEMENT DEPTH**

1 1/4"	1 1/4"
1 3/4"	1 3/4"
6"	9"
6"	N/A

NOTES:

TYPICAL SECTION ASSUMES SUITABLE SUBGRADE. IF UNSUITABLE SUBGRADE IS ENCOUNTERED OR IF AREAS CANNOT PASS PROOF ROLLING, THEN SUBGRADE STABILIZATION MAY BE REQUIRED AS DIRECTED BY CITY ENGINEER.

* PAVEMENT SHALL BE DESIGNED FOR PROJECTED TRAFFIC LOADING USING AASHTO METHODS AS DIRECTED BY CITY ENGINEER. SHOULD CALCULATED DEPTHS BE LESS THAN THE MINIMUM DEPTH, MINIMUM DEPTH SHALL BE USED.

** ALTERNATIVE PAVEMENT SECTION REQUIRES APPROVAL BY CITY ENGINEER PRIOR TO INSTALLATION.

*** CONTACT CITY ENGINEER FOR ITEM SPECIAL NOTES.

PUBLIC PAVEMENT TYPICAL SECTION



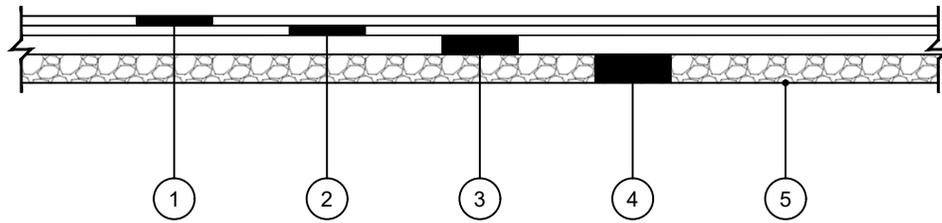
STANDARD DRAWING:

RDW-01

REVISED: 01/01/26

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*** PRIVATE ROADWAY (MINIMUM PAVEMENT DEPTH)**

- ① ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ③ ITEM 301 - 3" ASPHALT CONCRETE BASE
- ④ ITEM 304 - 6" AGGREGATE BASE
- ⑤ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

PRIVATE PARKING LOT (MINIMUM PAVEMENT DEPTH)

- ① ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ④ ITEM 304 - 6" AGGREGATE BASE
- ⑤ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

NOTES:

PAVEMENT SECTIONS LISTED IN THIS DRAWING ARE MINIMUM DEPTHS. PRIVATE ROADWAYS AND PARKING LOTS SHALL BE DESIGNED BASED ON PROJECT FIRE/TRAFFIC LOADING USING AASHTO METHODS, OR AS DIRECTED BY CITY ENGINEER.

* MINIMUM PAVEMENT WIDTH FOR PRIVATE ROADWAYS SHALL BE 22 FFET, OR AS REQUIRED FOR FIRE PROTECTION.

**PRIVATE
PAVEMENT
TYPICAL SECTION**



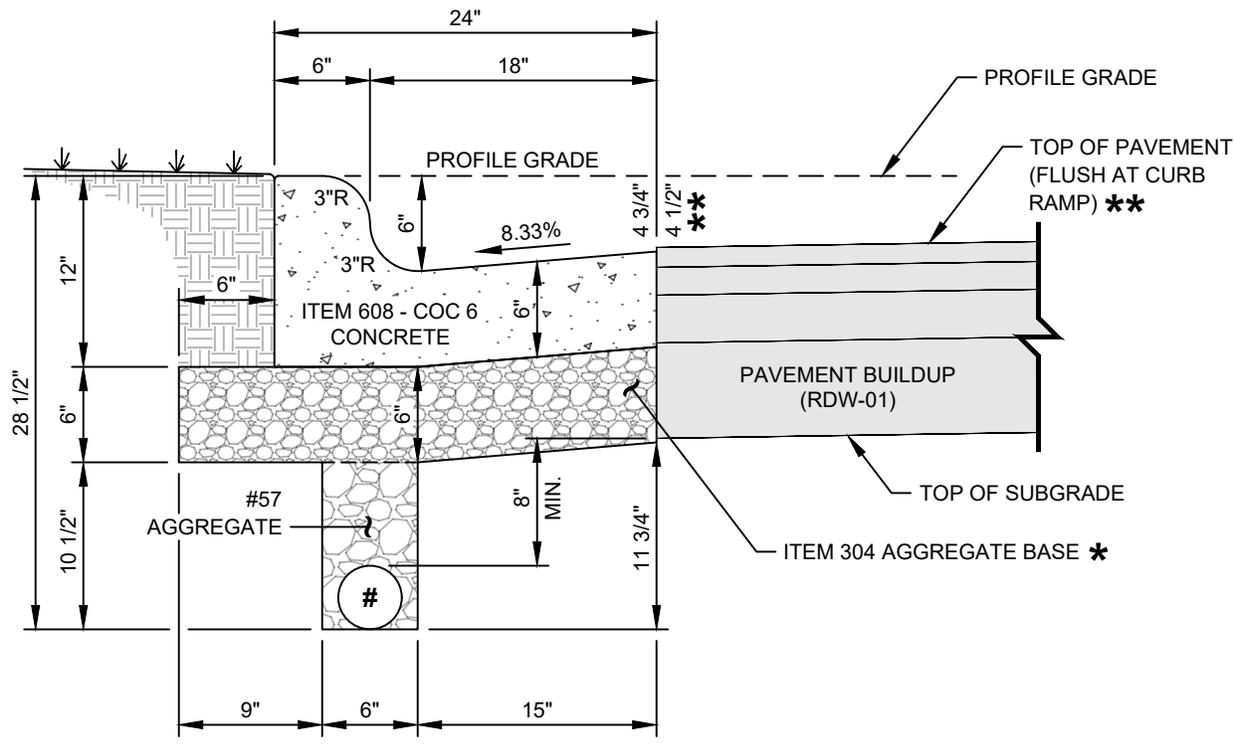
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DRAWING:

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REVISED: 01/01/26

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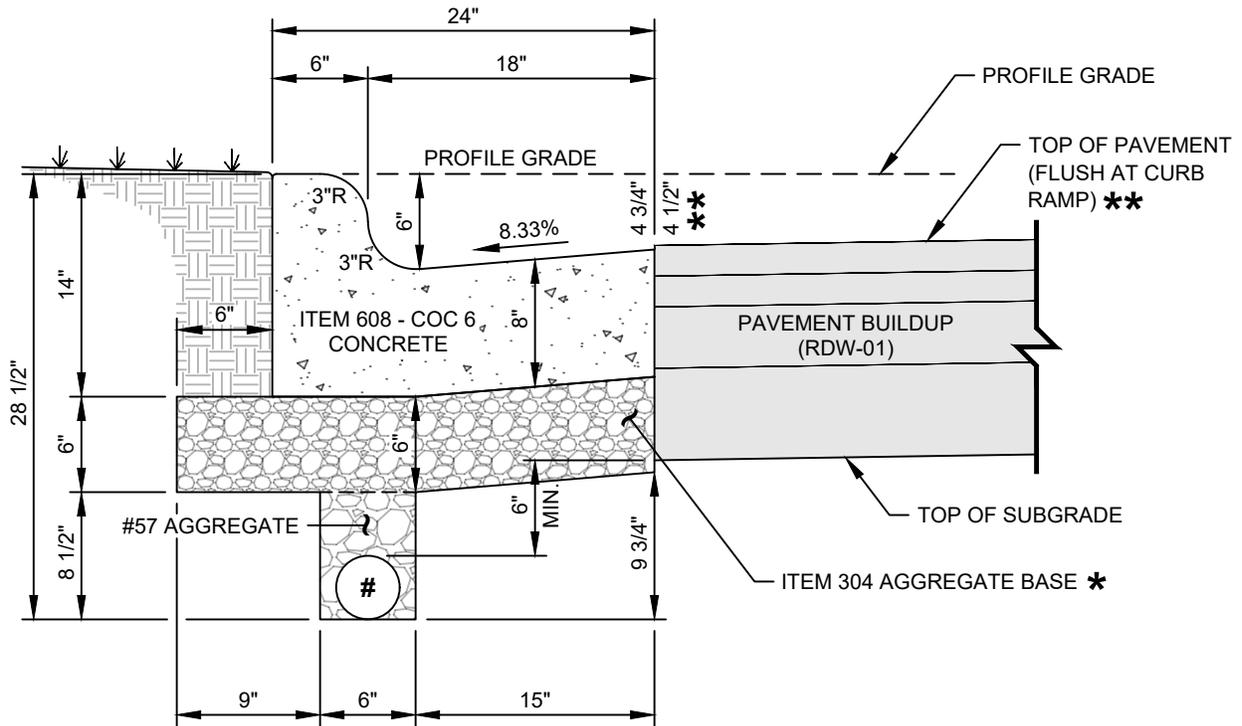
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CURB & GUTTER NOTES:

- * #57 AGGREGATE MAY BE USED FOR REPLACEMENT WORK AS APPROVED BY CITY ENGINEER.
- ** TRANSITION GUTTER LIP FROM 4 1/2 INCHES TYPICAL DEPTH TO A DEPTH OF 5 5/8 INCHES WITHIN A MINIMUM OF 10 FEET OF THE CURB RAMP. THE 5 5/8 INCHES DEPTH IS TO BE MAINTAINED THROUGH THE CURB RAMP. THE TRANSITION LENGTH MAY BE ADJUSTED PER DIRECTION OF CITY ENGINEER.
- # ITEM 605 - 4 INCH PERFORATED PIPE UNDERDRAIN (720.12). ALL UNDERDRAINS SHALL CONNECT TO STORM STRUCTURES/INLETS (PREFERRED), OR OUTLET TO DITCHES WITH AN UNDERDRAIN CONCRETE OUTLET.

6" COMBINATION CONCRETE CURB & GUTTER	
	STANDARD DRAWING: RDW-03
	REVISED: 01/01/26
	SHEET 1 / 1



CURB & GUTTER NOTES:

- * #57 AGGREGATE MAY BE USED FOR REPLACEMENT WORK AS APPROVED BY CITY ENGINEER.
- ** TRANSITION GUTTER LIP FROM 4 1/2 INCHES TYPICAL DEPTH TO A DEPTH OF 5 5/8 INCHES WITHIN A MINIMUM OF 10 FEET OF THE CURB RAMP. THE 5 5/8 INCHES DEPTH IS TO BE MAINTAINED THROUGH THE CURB RAMP. THE TRANSITION LENGTH MAY BE ADJUSTED PER DIRECTION OF CITY ENGINEER.
- # ITEM 605 - 4 INCH PERFORATED PIPE UNDERDRAIN (720.12). ALL UNDERDRAINS SHALL CONNECT TO STORM STRUCTURES/INLETS (PREFERRED), OR OUTLET TO DITCHES WITH AN UNDERDRAIN CONCRETE OUTLET.

**8" COMBINATION
CONCRETE CURB
& GUTTER**



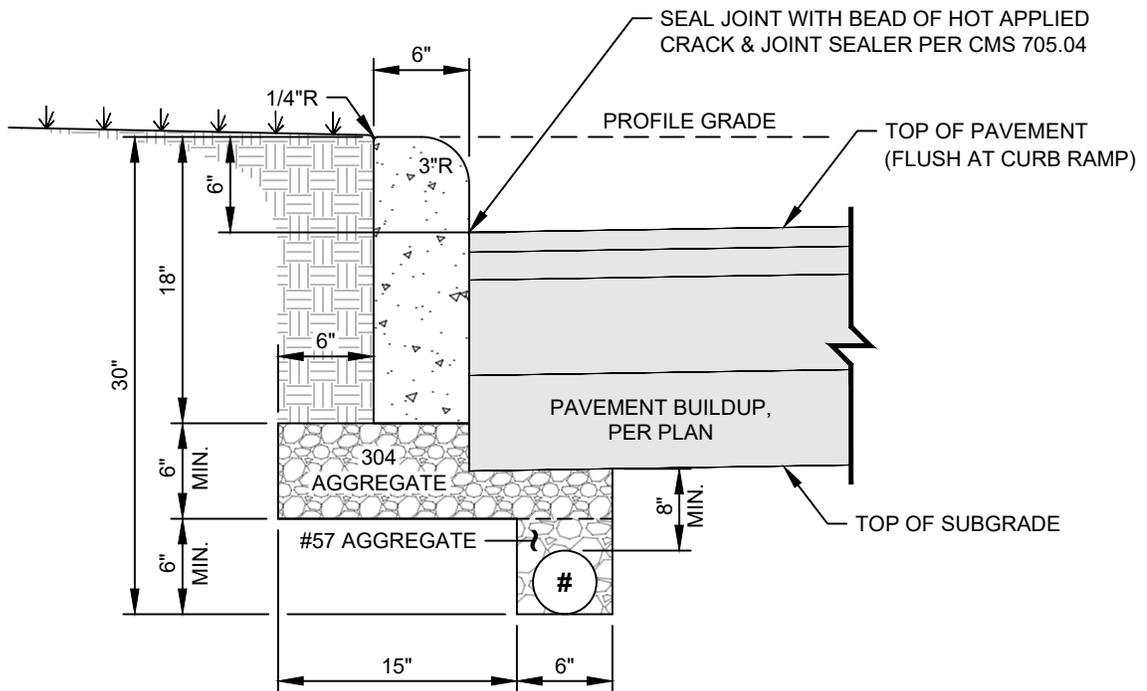
STANDARD
DRAWING:

RDW-04

REVISED: 01/01/26

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STRAIGHT 18" CONCRETE CURB NOTES:

1. FOR NEW ROAD CONSTRUCTION, ITEM 304 AGGREGATE BASE SHALL BE USED UNDER THE CURB SECTION AND PLACED AT THE SAME TIME AND LIFT THICKNESS AS THE 304 AGGREGATE BASE UNDER THE PAVEMENT SECTION.
- # ITEM 605 - 4 INCH PERFORATED PIPE UNDERDRAIN (720.12). ALL UNDERDRAINS SHALL CONNECT TO STORM STRUCTURES/INLETS (PREFERRED), OR OUTLET TO DITCHES WITH AN UNDERDRAIN CONCRETE OUTLET.

**STRAIGHT 18"
CONCRETE CURB**



STANDARD
DRAWING:

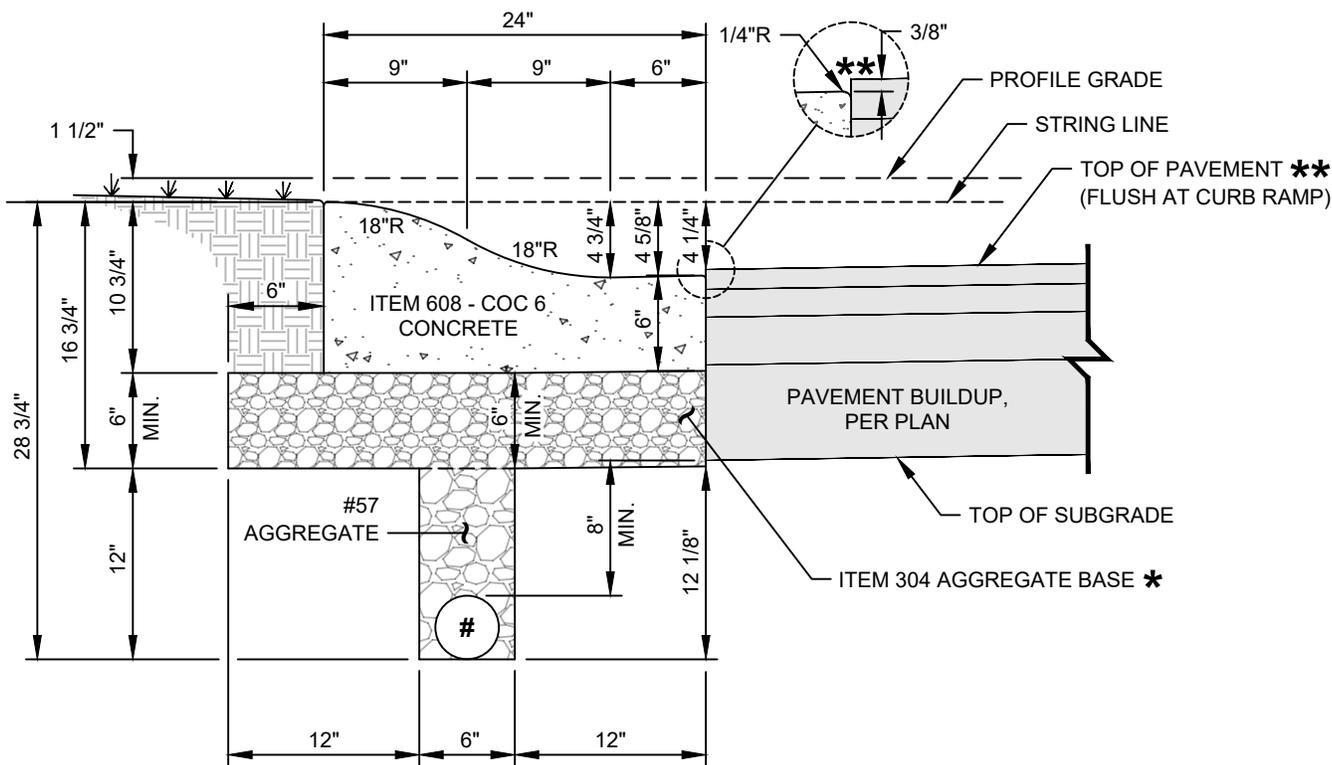
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REVISED: 01/01/26

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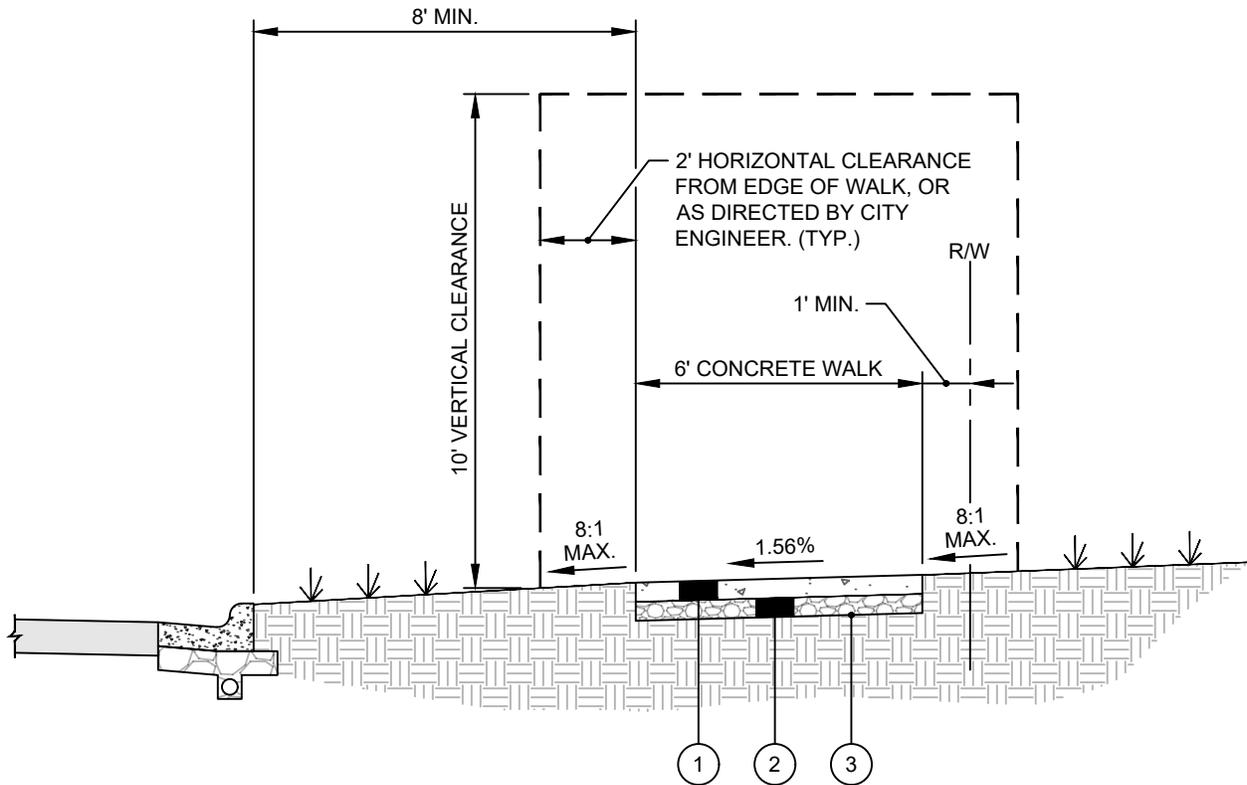


CURB & GUTTER NOTES:

- * #57 AGGREGATE MAY BE USED FOR REPLACEMENT WORK AS APPROVED BY CITY ENGINEER.
- ** TRANSITION GUTTER LIP FROM 4 1/2 INCHES TYPICAL DEPTH TO A DEPTH OF 5 5/8 INCHES WITHIN A MINIMUM OF 10 FEET OF THE CURB RAMP. THE 5 5/8 INCHES DEPTH IS TO BE MAINTAINED THROUGH THE CURB RAMP. THE TRANSITION LENGTH MAY BE ADJUSTED PER DIRECTION OF CITY ENGINEER.
- # ITEM 605 - 4 INCH PERFORATED PIPE UNDERDRAIN (720.12). ALL UNDERDRAINS SHALL CONNECT TO STORM STRUCTURES/INLETS (PREFERRED), OR OUTLET TO DITCHES WITH AN UNDERDRAIN CONCRETE OUTLET.

NOTE: THIS CURB SHALL NOT BE USED WITHOUT APPROVAL FROM CITY ENGINEER.

MOUNTABLE CURB & GUTTER	
	STANDARD DRAWING:
	RDW-06
	REVISED: 01/01/26
SHEET	1 / 1



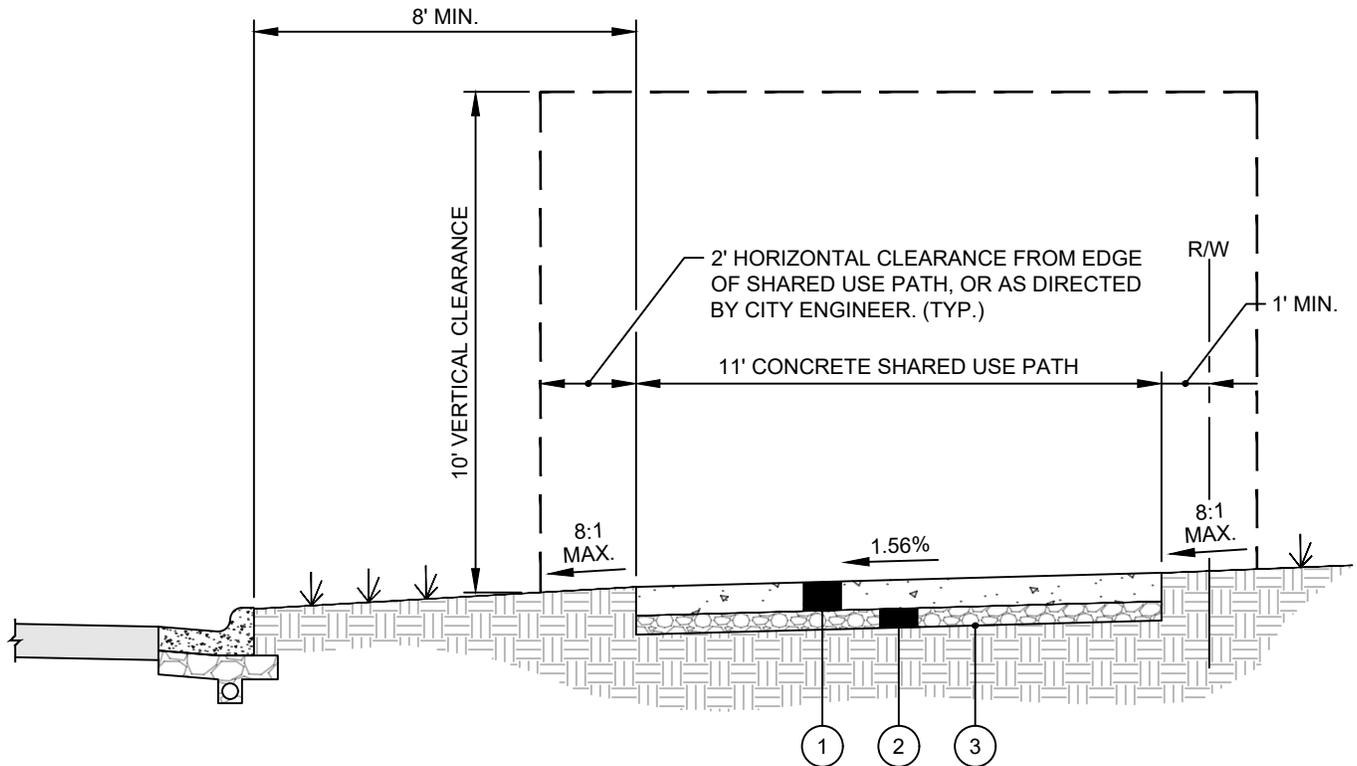
- ① ITEM 608 - 4" COC 6 CONCRETE
6" COC 6 CONCRETE (RESIDENTIAL DRIVE)
8" COC 6 CONCRETE (NON-RESIDENTIAL DRIVE)
- ② ITEM 304 - 4" AGGREGATE BASE *
4" AGGREGATE BASE (RESIDENTIAL DRIVE)
6" AGGREGATE BASE (NON-RESIDENTIAL DRIVE)
- ③ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

* #57 AGGREGATE MAY BE USED FOR REPLACEMENT WORK AS APPROVED BY CITY ENGINEER.

CONCRETE WALK NOTES:

1. CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION, AND ANY OTHER SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED.
2. ALL CONCRETE WALKS SHALL BE CONSTRUCTED PER CMSC ITEM 608, OR AS DIRECTED BY CITY ENGINEER.
3. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. SEED MIXTURE SHALL BE APPROVED BY CITY ENGINEER.
4. CONCRETE WALK/FLATWORK SHALL BE TOOL CUT & RETRACED AROUND PERIMETER OF WALK. JOINTS SHALL BE SAWCUT EVERY 6 FEET.
5. EXPANSION JOINTS SHALL BE PLACED EVERY 100 FEET, OR AS DIRECTED BY CITY ENGINEER.
6. FULL DEPTH EXPANSION MATERIAL (1/2 INCH THICK) SHALL BE PLACED ADJOINING ALL EXISTING CONCRETE CONFORMING TO ASTM D-1752 TYPE 1 - SPONGE RUBBER.
7. ALL WALKS SHALL BE FORMED UTILIZING WALK FORMS. WOODEN 2" x 4" BOARDS ARE NOT PERMITTED TO BE USED AS A FORM.

<h2>6' CONCRETE WALK</h2>	
	<p>STANDARD DRAWING: RDW-07</p> <p>REVISED: 01/01/26</p>
SHEET	1 / 1



- ① ITEM 608 - 6" COC 6 CONCRETE
6" COC 6 CONCRETE (RESIDENTIAL DRIVE)
8" COC 6 CONCRETE (NON-RESIDENTIAL DRIVE)
- ② ITEM 304 - 4" AGGREGATE BASE *
4" AGGREGATE BASE (RESIDENTIAL DRIVE)
6" AGGREGATE BASE (NON-RESIDENTIAL DRIVE)

- ③ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING
- * #57 AGGREGATE MAY BE USED FOR REPLACEMENT WORK AS APPROVED BY CITY ENGINEER.

CONCRETE SHARED USE PATH NOTES:

1. CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION, AND ANY OTHER SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED.
2. ALL CONCRETE SHARED USE PATHS SHALL BE CONSTRUCTED PER CCMS ITEM 608, OR AS DIRECTED BY CITY ENGINEER.
3. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. SEED MIXTURE SHALL BE APPROVED BY CITY ENGINEER.
4. ALL TOPSOIL SHALL BE REMOVED FROM SUBGRADE AREAS. ITEM 204 SHALL BE COMPACTED TO NO LESS THAN 98% OF MAXIMUM DRY DENSITY. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
5. ALL SHARED USE PATH JOINTS ARE TO BE SAWCUT EVERY 11 FEET.
6. SHARED USE PATHS CROSSING CONCRETE RESIDENTIAL DRIVE APPROACHES SHALL BE 6 INCHES OF PC CONCRETE ACROSS THE WIDTH OF THE DRIVE APPROACH, UNLESS OTHERWISE APPROVED BY CITY ENGINEER. SHARED USE PATHS CROSSING NON-RESIDENTIAL DRIVE APPROACHES SHALL MATCH THE THICKNESS AND CROSS-SECTION OF THE DRIVE APPROACH OR 8 INCHES OF PC CONCRETE, WHICHEVER IS GREATER, AS APPROVED BY CITY ENGINEER.
7. PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, OHIO SUPPLEMENT.

11' CONCRETE SHARED USE PATH



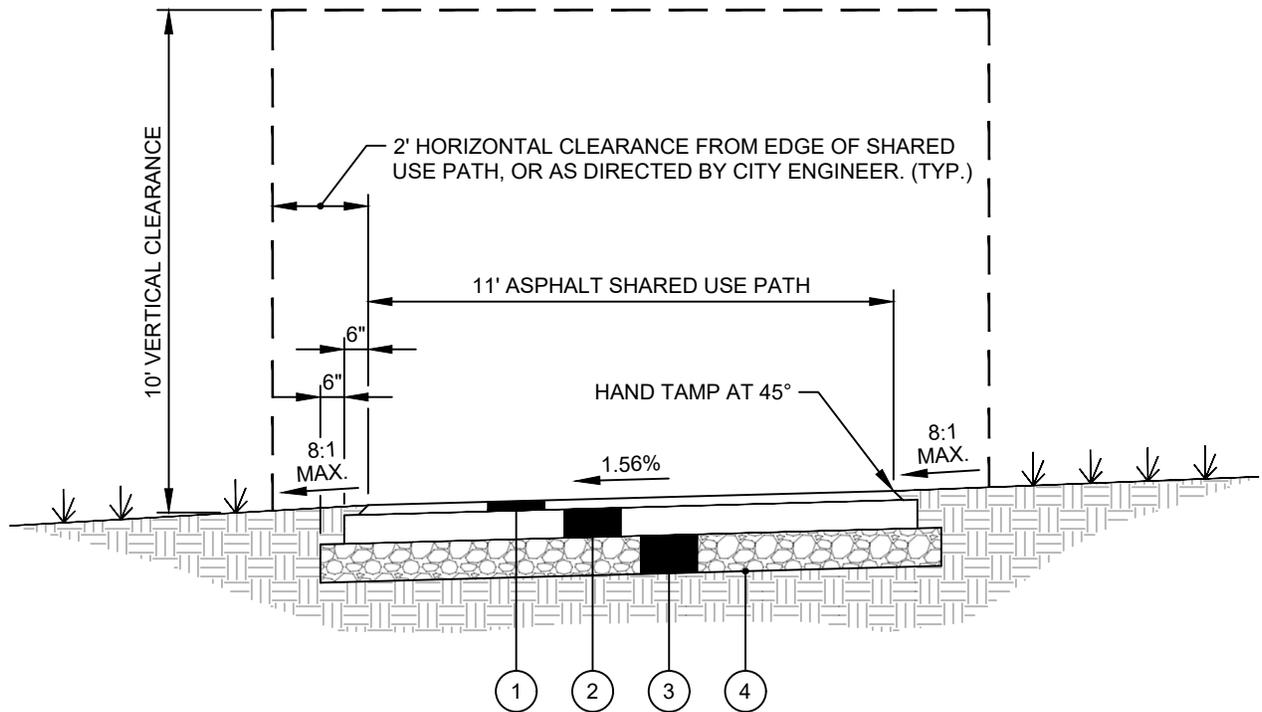
STANDARD DRAWING:

RDW-08

REVISED: 01/01/26

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- ① ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 301 - 4 1/2" ASPHALT CONCRETE BASE
- ③ ITEM 304 - 6" AGGREGATE BASE
- ④ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

ASPHALT SHARED USE PATH NOTES:

1. CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION, AND ANY OTHER SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED.
2. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. SEED MIXTURE SHALL BE APPROVED BY CITY ENGINEER.
3. ALL TOPSOIL SHALL BE REMOVED FROM SUBGRADE AREAS. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
4. SHARED USE PATHS CROSSING CONCRETE RESIDENTIAL DRIVE APPROACHES SHALL BE 6 INCHES OF PC CONCRETE ACROSS THE WIDTH OF THE DRIVE APPROACH, UNLESS OTHERWISE APPROVED BY CITY ENGINEER. SHARED USE PATHS CROSSING NON-RESIDENTIAL DRIVE APPROACHES SHALL MATCH THE THICKNESS AND CROSS-SECTION OF THE DRIVE APPROACH OR 8 INCHES OF PC CONCRETE, WHICHEVER IS GREATER, AS APPROVED BY CITY ENGINEER.
5. PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, OHIO SUPPLEMENT.

11'-13' ASPHALT SHARED USE PATH



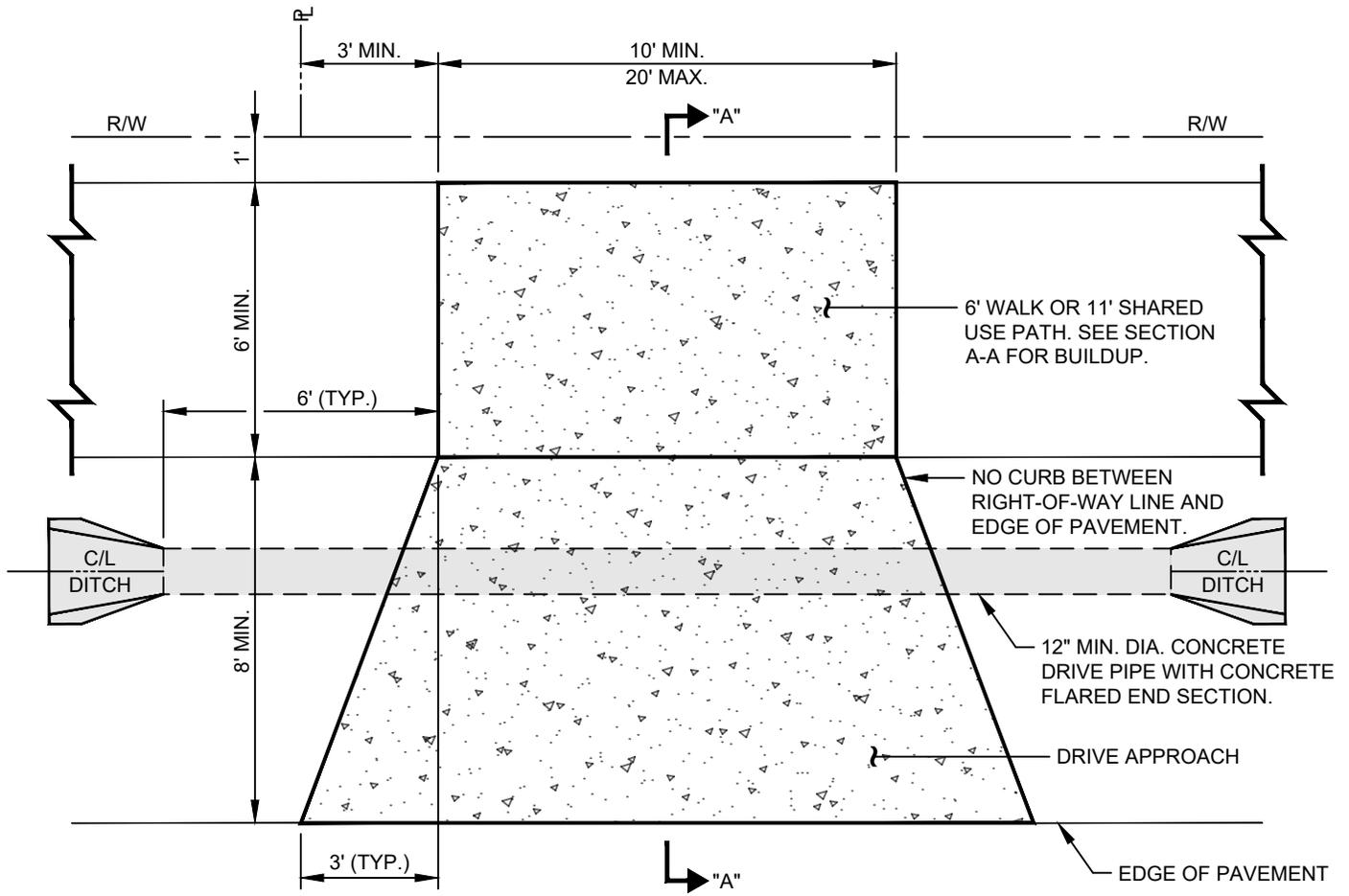
STANDARD DRAWING:

RDW-09

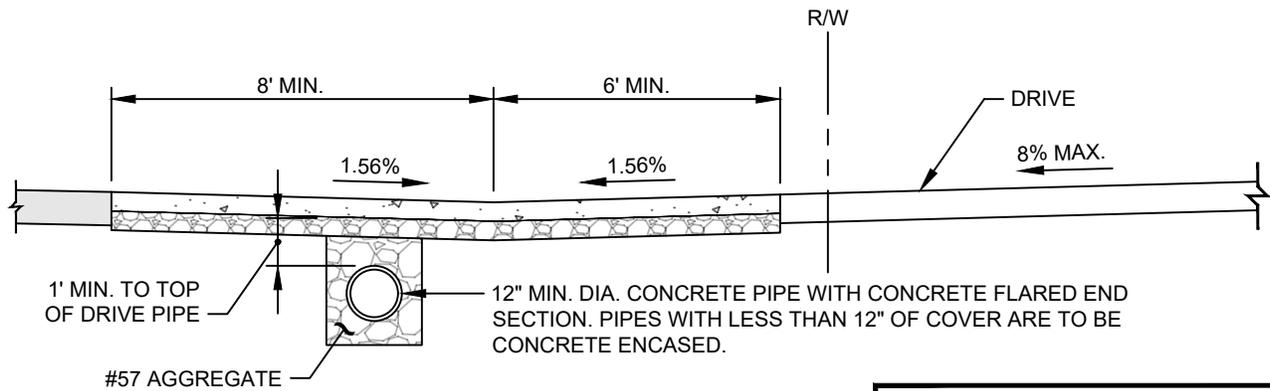
REVISED: 01/01/26

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DRIVE APPROACH PLAN VIEW



DRIVE APPROACH SECTION A-A

RESIDENTIAL DRIVE APPROACH NOTES:

1. THE CITY ENGINEER MAY REQUIRE LARGER PIPE TO BE INSTALLED. MINIMUM SLOPE OF PIPE SHALL BE 1% UNLESS OTHERWISE APPROVED.
2. DRIVE APPROACH SHALL BE 6 INCH THICK CONCRETE, ITEM 452 OR ALTERNATE ASPHALT AS APPROVED BY CITY ENGINEER.

ITEM 441 - 1 1/4" ASPHALT SURFACE COURSE, TYPE 1, (448), PG64-22
 ITEM 301 - 4 1/2" ASPHALT CONCRETE BASE
 ITEM 304 - 6" AGGREGATE BASE

**RESIDENTIAL DRIVE
 APPROACH
 (NON-CURBED
 STREETS)**



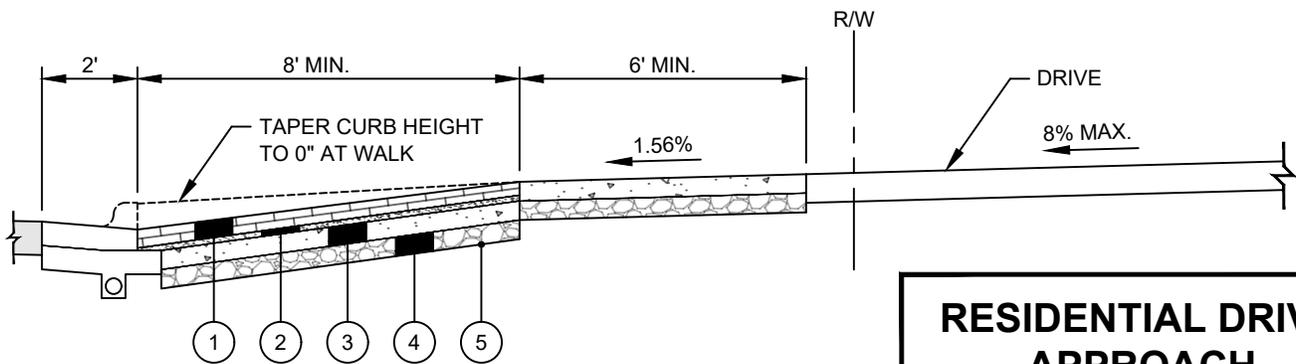
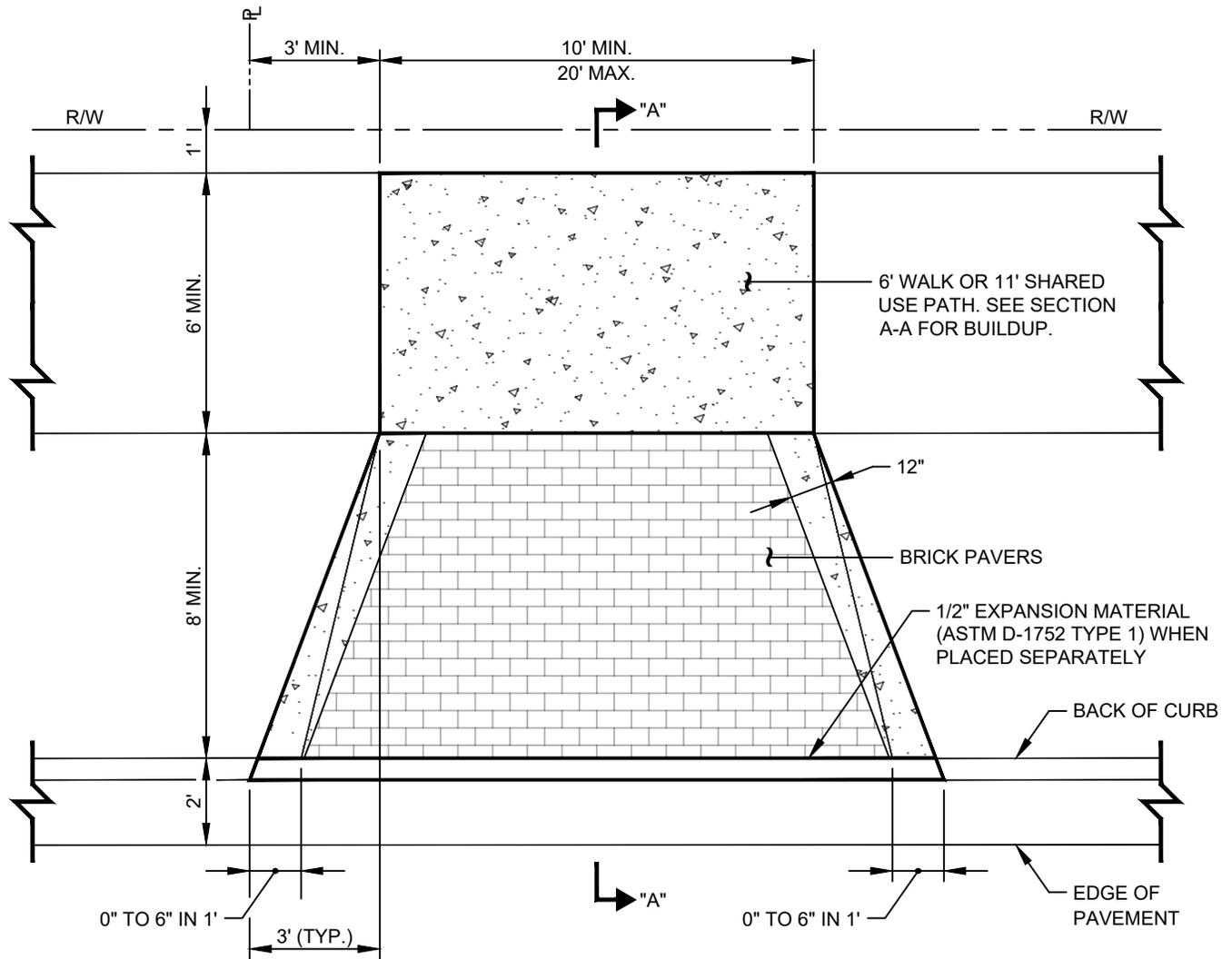
STANDARD
 DRAWING:

RDW-11

REVISED: 01/01/26

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- ① BRICK PAVERS (APPROVED AT DIRECTION OF CITY ENGINEER)
- ② ITEM 703 - 3/4" TO 1" NATURAL SAND
- ③ ITEM 305 - 6" COC 6 CONCRETE
- ④ ITEM 304 - 6" AGGREGATE BASE
- ⑤ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

RESIDENTIAL DRIVE APPROACH (CONCRETE & BRICK PAVERS)



STANDARD DRAWING:

RDW-13

REVISED: 01/01/26

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RESIDENTIAL WALK, DRIVE, & DRIVE APPROACH NOTES:

THE FOLLOWING ARE SPECIFICATIONS WHICH APPLY TO THE SUBSTITUTION OF APPROVED BRICK PAVERS FOR CONCRETE DRIVES AND DRIVE APPROACHES.

1. STANDARD DRAWINGS RDW-12 & RDW-13 DETAIL THE APPROVED PLACEMENT OF BRICK PAVERS.
2. THE WORK SHALL BE INSPECTED BY THE CITY ENGINEER PRIOR TO PLACEMENT.
3. THE BRICK PAVERS ON THE SAND BASE SHALL HAVE A PVC FROST LIP/EDGE OR APPROVED EQUIVALENT TO SERVE AS A FORM FOR THE PAVERS.
4. THE COC 6 CONCRETE BASE SHALL BE PROVIDED ACCORDING TO CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC).
5. THE SAND BASE SHALL BE PLACED ACCORDING TO CMSC. PAVING SHALL BE PROVIDED ONLY WITH ACCEPTABLE BASE CONDITIONS, AS DETERMINED BY CITY ENGINEER. THIS INCLUDES, BUT IS NOT LIMITED TO, SOFT, WATER SATURATED, FROZEN OR FROST-AFFECTED MATERIAL. UNACCEPTABLE MATERIAL SHALL BE STABILIZED OR REMOVED PRIOR TO PAVING.
6. PAVER MATERIAL TO BE COORDINATED AND APPROVED BY CITY ENGINEER.

**BRICK PAVER NOTES
FOR RESIDENTIAL
DRIVES**



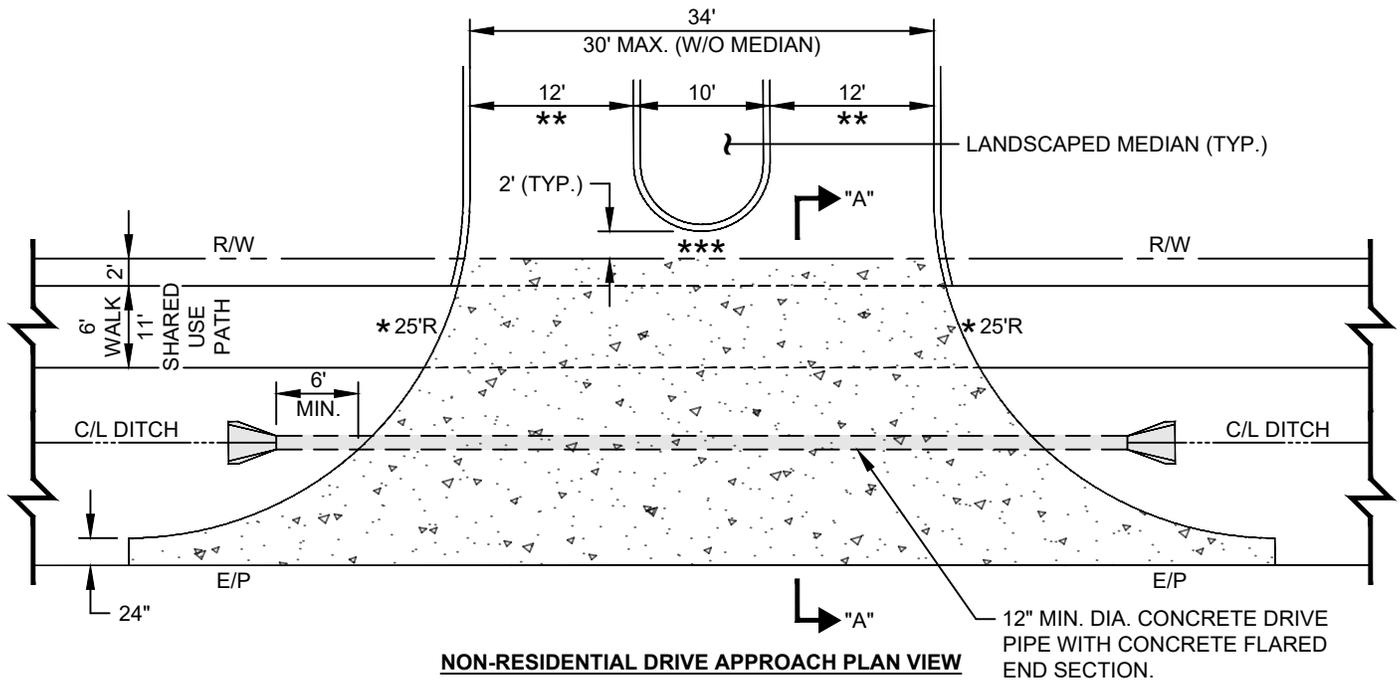
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REVISED: 01/01/26

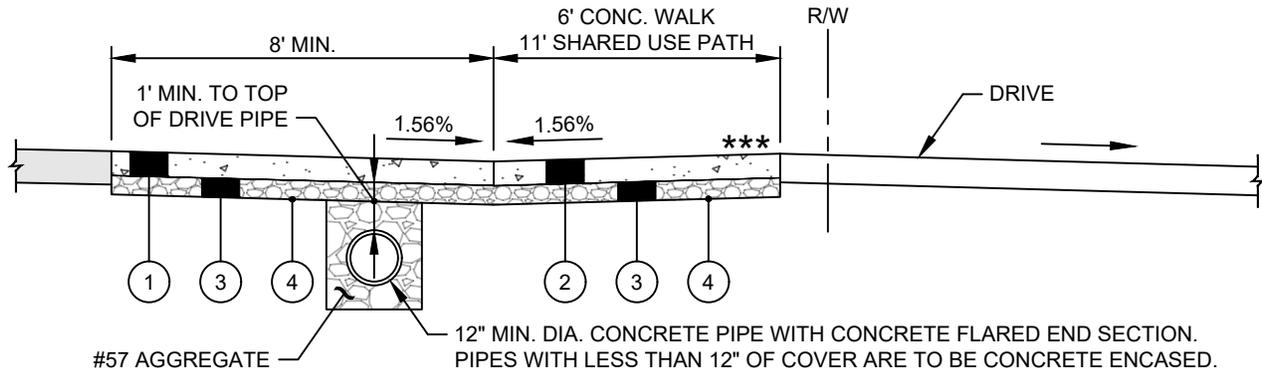
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NON-RESIDENTIAL DRIVE APPROACH PLAN VIEW

12" MIN. DIA. CONCRETE DRIVE PIPE WITH CONCRETE FLARED END SECTION.



NON-RESIDENTIAL DRIVE APPROACH SECTION A-A

- ① ITEM 452 - 8" COC 6 CONCRETE
- ② ITEM 608 - 8" COC 6 CONCRETE
- ③ ITEM 304 - 6" AGGREGATE BASE
- ④ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING

- * 25' MINIMUM RADIUS REQUIRED UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
- ** 12'-0" MINIMUM LANE WIDTH REQUIRED. NUMBER OF LANES SHALL BE APPROVED BY CITY ENGINEER.
- *** 8% MAXIMUM GRADE CHANGE, UNLESS OTHERWISE APPROVED BY CITY ENGINEER.

NON-RESIDENTIAL DRIVE APPROACH NOTES:

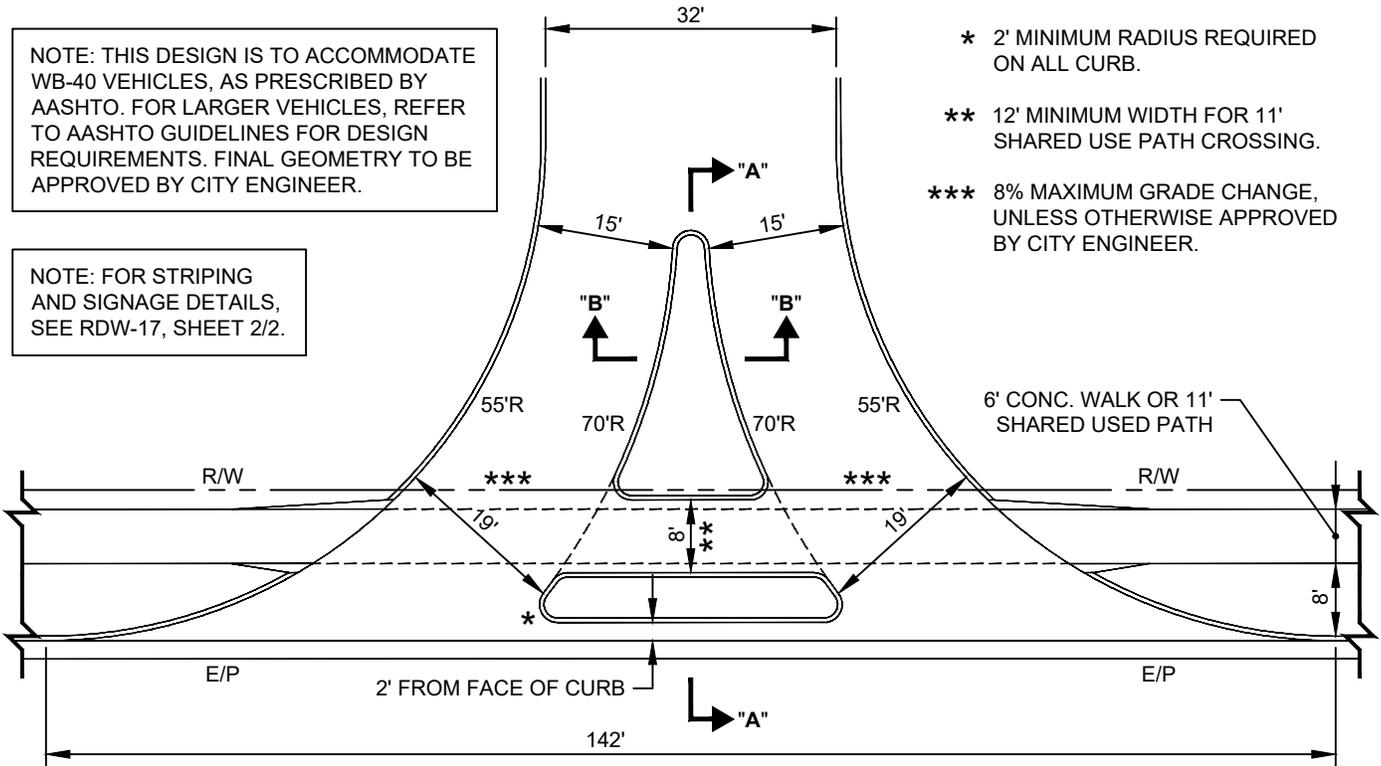
1. DETECTABLE WARNINGS NOT REQUIRED FOR PEDESTRIAN CROSSINGS LOCATED AT UNSIGNALIZED NON-RESIDENTIAL DRIVES, UNLESS REQUIRED BY CITY ENGINEER.
2. DRIVE PIPE SHALL BE A MINIMUM 12 INCH DIAMETER CONCRETE PIPE WITH CONCRETE FLARED END SECTION. PIPE WITH LESS THAN 12 INCHES OF COVER ARE TO BE CONCRETE ENCASED.

NON-RESIDENTIAL DRIVE APPROACH (NON-CURBED STREETS)	
	STANDARD DRAWING: RDW-16
	REVISED: 01/01/26
	SHEET 1 / 1

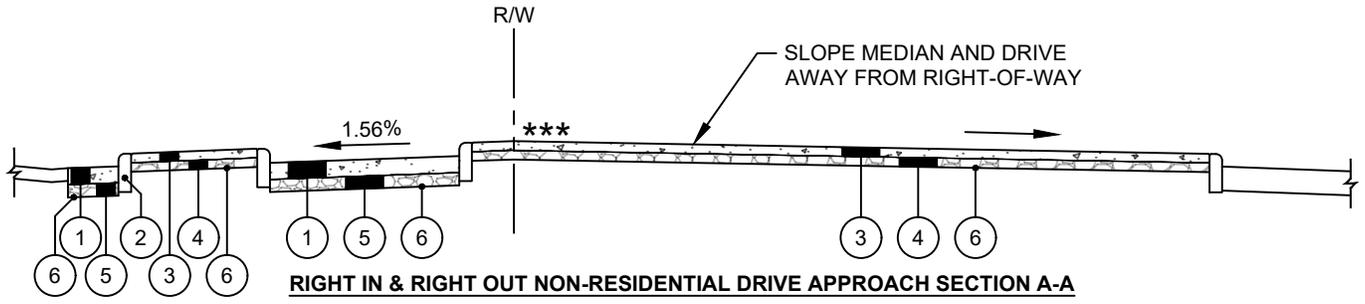
NOTE: THIS DESIGN IS TO ACCOMMODATE WB-40 VEHICLES, AS PRESCRIBED BY AASHTO. FOR LARGER VEHICLES, REFER TO AASHTO GUIDELINES FOR DESIGN REQUIREMENTS. FINAL GEOMETRY TO BE APPROVED BY CITY ENGINEER.

NOTE: FOR STRIPING AND SIGNAGE DETAILS, SEE RDW-17, SHEET 2/2.

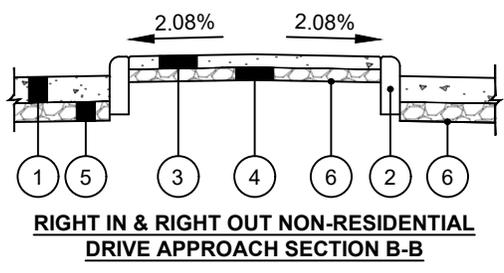
- * 2' MINIMUM RADIUS REQUIRED ON ALL CURB.
- ** 12' MINIMUM WIDTH FOR 11' SHARED USE PATH CROSSING.
- *** 8% MAXIMUM GRADE CHANGE, UNLESS OTHERWISE APPROVED BY CITY ENGINEER.



RIGHT IN & RIGHT OUT NON-RESIDENTIAL DRIVE APPROACH PLAN VIEW



RIGHT IN & RIGHT OUT NON-RESIDENTIAL DRIVE APPROACH SECTION A-A



RIGHT IN & RIGHT OUT NON-RESIDENTIAL DRIVE APPROACH SECTION B-B

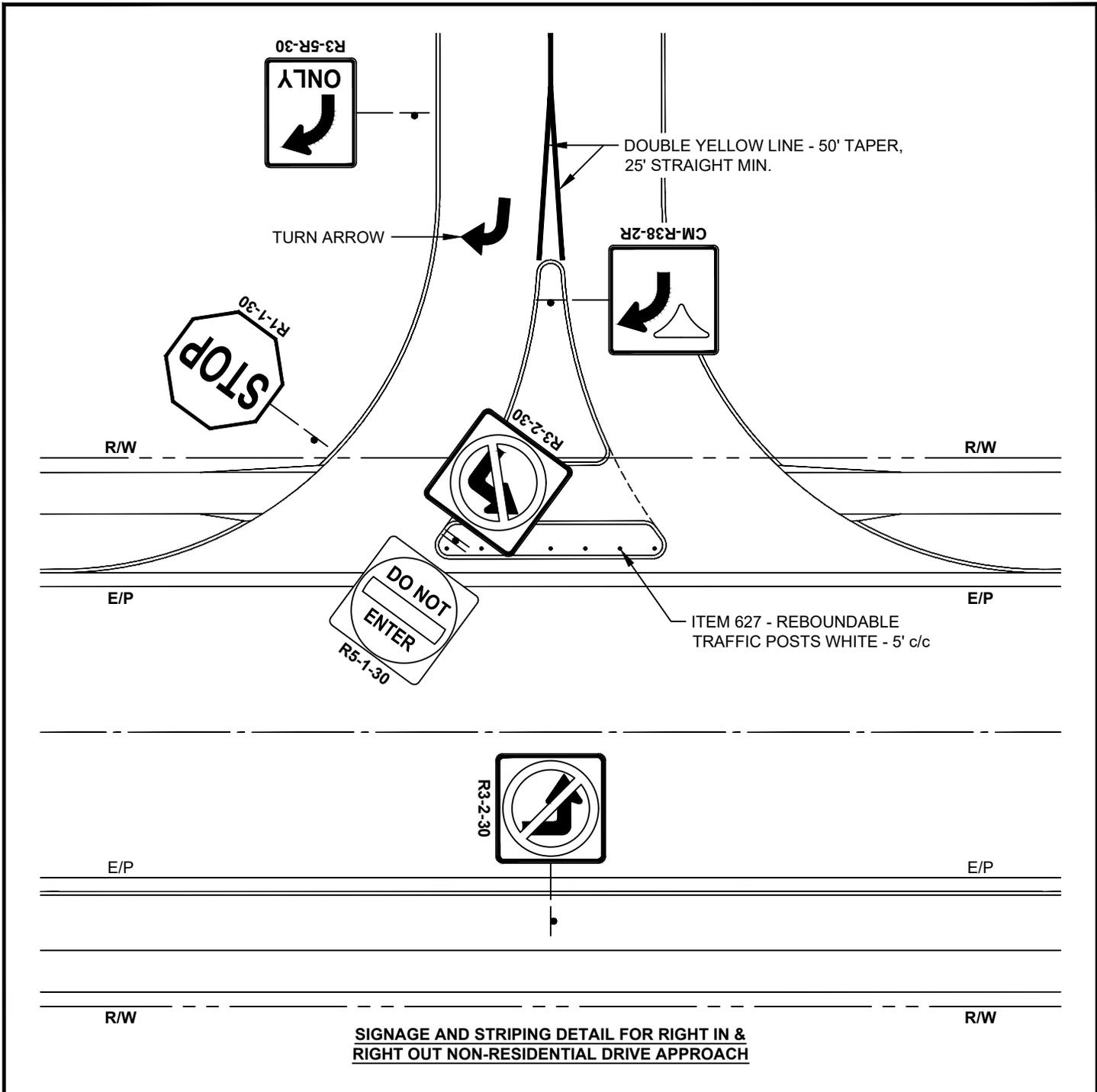
- | | |
|-----------------------------------------|--------------------------------------------------|
| ① ITEM 608 - 8" COC 6 CONCRETE | ④ ITEM 304 - 4" AGGREGATE BASE |
| ② ITEM 609 - STRAIGHT 18" CONCRETE CURB | ⑤ ITEM 304 - 6" AGGREGATE BASE |
| ③ ITEM 609 - 4" COC 6 CONCRETE | ⑥ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING |

NON-RESIDENTIAL DRIVE APPROACH NOTES:

1. ISLAND SURFACE IN DRIVE APPROACH MAY BE EITHER 4 INCHES OF PC CONCRETE OR LANDSCAPING VEGETATION WITH A HEIGHT NO GREATER THAN 2 FEET ABOVE THE TOP OF CURB. LANDSCAPING MATERIALS SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE CITY OF DUBLIN DIVISION OF PLANNING. MAINTENANCE OF LANDSCAPING SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
2. EXISTING CURB AND GUTTER TO BE REMOVED WITHIN THE LIMITS OF DRIVE. APPROACH AND GUTTER TO BE POURED INTEGRAL. MAINTAIN GUTTER SLOPE AND UNDERDRAIN THROUGH DRIVE.
3. DETECTABLE WARNINGS NOT REQUIRED FOR PEDESTRIAN CROSSINGS LOCATED AT UNSIGNALIZED NON-RESIDENTIAL DRIVES, UNLESS REQUIRED BY CITY ENGINEER.

NON-RESIDENTIAL DRIVE RIGHT IN & RIGHT OUT (CURBED STREETS)

 <p>City of Dublin OHIO, USA</p>	STANDARD DRAWING:
	RDW-17
	REVISED: 01/01/26
SHEET	1 / 2



**NON-RESIDENTIAL
DRIVE RIGHT IN &
RIGHT OUT
(CURBED STREETS)**

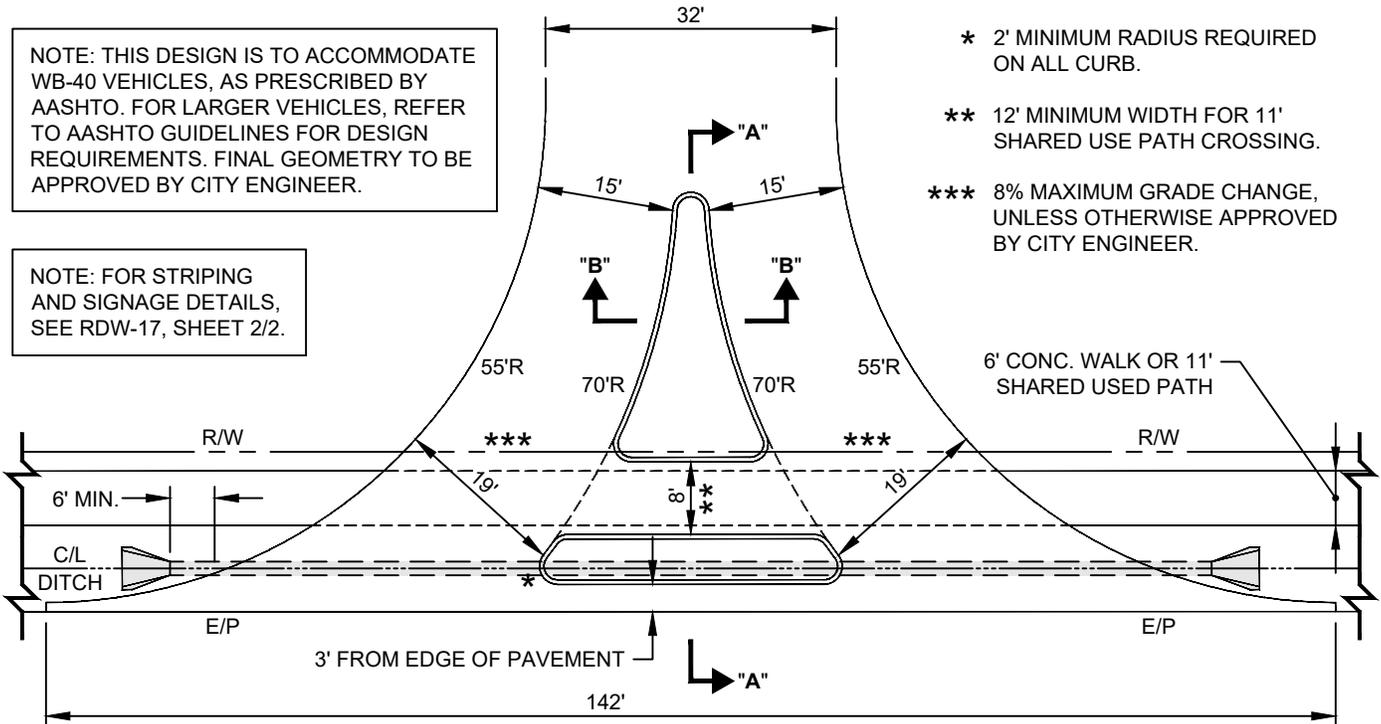


STANDARD DRAWING:	
RDW-17	
REVISED: 01/01/26	
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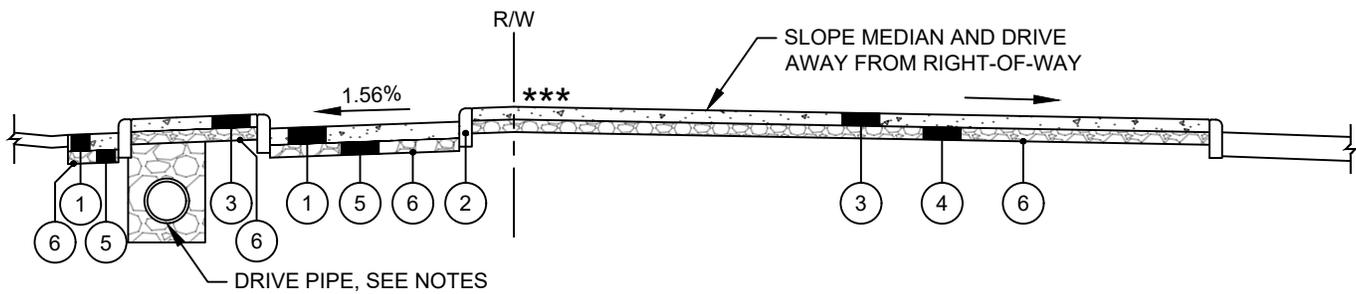
NOTE: THIS DESIGN IS TO ACCOMMODATE WB-40 VEHICLES, AS PRESCRIBED BY AASHTO. FOR LARGER VEHICLES, REFER TO AASHTO GUIDELINES FOR DESIGN REQUIREMENTS. FINAL GEOMETRY TO BE APPROVED BY CITY ENGINEER.

NOTE: FOR STRIPING AND SIGNAGE DETAILS, SEE RDW-17, SHEET 2/2.

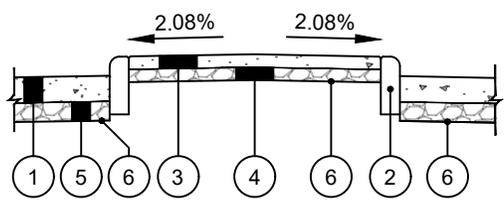
- * 2' MINIMUM RADIUS REQUIRED ON ALL CURB.
- ** 12' MINIMUM WIDTH FOR 11' SHARED USE PATH CROSSING.
- *** 8% MAXIMUM GRADE CHANGE, UNLESS OTHERWISE APPROVED BY CITY ENGINEER.



RIGHT IN & RIGHT OUT NON-RESIDENTIAL DRIVE APPROACH PLAN VIEW



RIGHT IN & RIGHT OUT NON-RESIDENTIAL DRIVE APPROACH SECTION A-A



RIGHT IN & RIGHT OUT NON-RESIDENTIAL DRIVE APPROACH SECTION B-B

- | | |
|-----------------------------------------|--------------------------------------------------|
| ① ITEM 608 - 8" COC 6 CONCRETE | ④ ITEM 304 - 4" AGGREGATE BASE |
| ② ITEM 609 - STRAIGHT 18" CONCRETE CURB | ⑤ ITEM 304 - 6" AGGREGATE BASE |
| ③ ITEM 609 - 4" COC 6 CONCRETE | ⑥ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING |

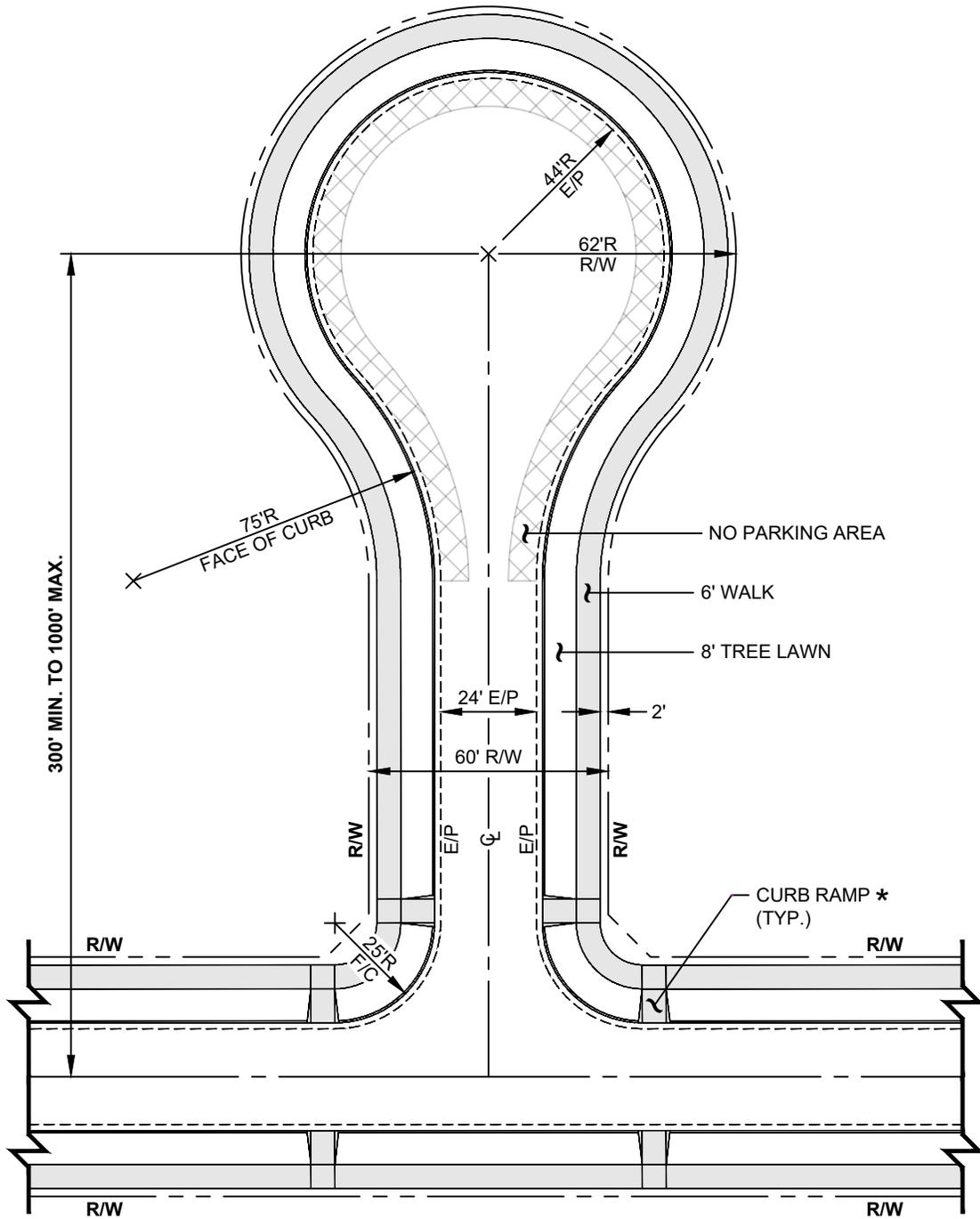
NON-RESIDENTIAL DRIVE APPROACH NOTES:

1. ISLAND SURFACE IN DRIVE APPROACH MAY BE EITHER 4 INCHES OF PC CONCRETE OR LANDSCAPING VEGETATION WITH A HEIGHT NO GREATER THAN 2 FEET ABOVE THE TOP OF CURB. LANDSCAPING MATERIALS SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE CITY OF DUBLIN DIVISION OF PLANNING. MAINTENANCE OF LANDSCAPING SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
2. DRIVE PIPE SHALL BE A MINIMUM 12 INCH DIAMETER CONCRETE PIPE WITH CONCRETE FLARED END SECTION. PIPE WITH LESS THAN 12 INCHES OF COVER ARE TO BE CONCRETE ENCASED.
3. DETECTABLE WARNINGS NOT REQUIRED FOR PEDESTRIAN CROSSINGS LOCATED AT UNSIGNALIZED NON-RESIDENTIAL DRIVES, UNLESS REQUIRED BY CITY ENGINEER.

NON-RESIDENTIAL DRIVE RIGHT IN & RIGHT OUT (NON-CURBED STEETS)



STANDARD DRAWING:	
RDW-18	
REVISED: 01/01/26	
SHEET	1/1



CUL-DE-SAC NOTES:

1. NO PARKING WILL BE PERMITTED WITHIN THE CIRCULAR TURNAROUND AND ALONG THE SIDE OF STREET WITH FIRE HYDRANT(S).
 2. MINIMUM 0.5% GUTTER SLOPE REQUIRED WITHIN BULB OF CUL-DE-SAC.
- * CURB RAMP LOCATIONS ARE TO BE COORDINATED WITH CITY ENGINEER.

**CUL-DE-SAC
(UP TO 1,000')**



STANDARD
DRAWING:

RDW-19

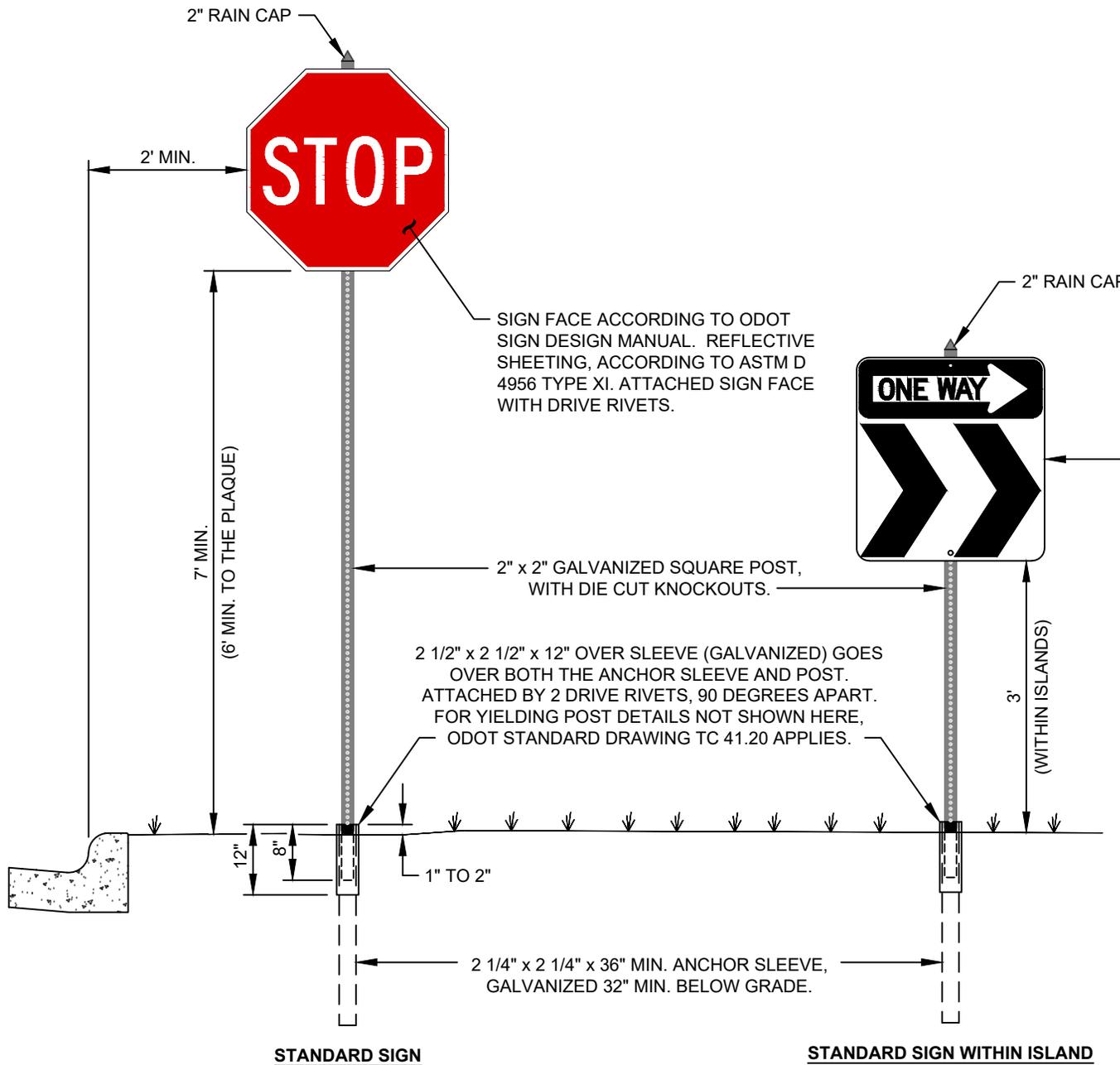
REVISED: 01/01/26

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STREET NAME SIGN NOTES:

SIGN STANDARDS ARE TO BE APPLIED OUTSIDE THE BRIDGE STREET DISTRICT. WITHIN THE BRIDGE STREET DISTRICT, SEE APPLICABLE STANDARD DRAWINGS.



TYPICAL STREET SIGNS



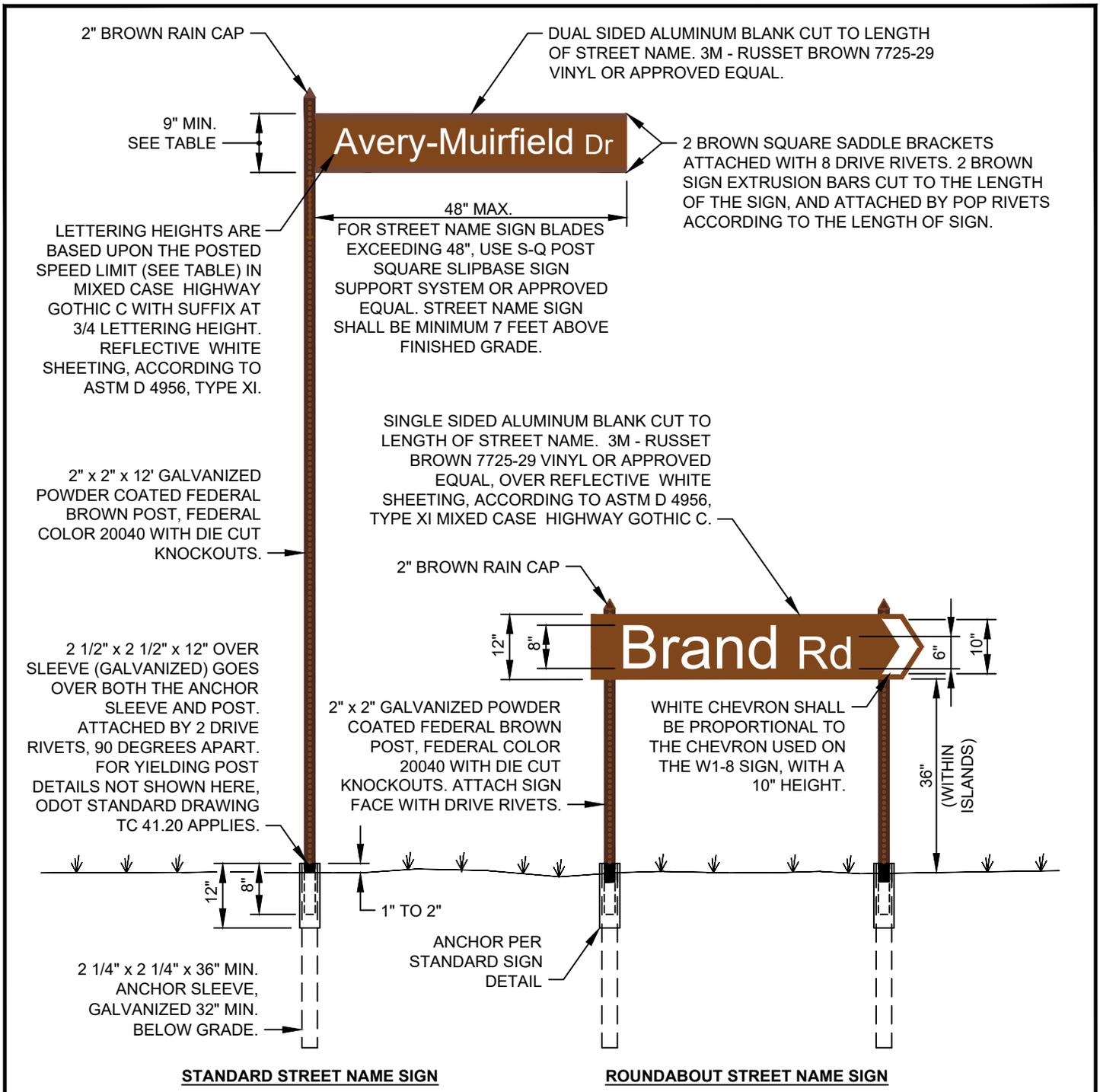
STANDARD DRAWING:

RDW-20

REVISED: 01/01/26

SHEET

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STREET NAME SIGN NOTES:

- SIGN STANDARDS ARE TO BE APPLIED OUTSIDE THE BRIDGE STREET DISTRICT. WITHIN THE BRIDGE STREET DISTRICT, APPLICABLE STANDARD DRAWINGS.

HIGHEST INTERSECTING SPEED LIMIT (MPH)	LETTERING HEIGHT	BLANK HEIGHT MIN.
15 - 25	4"	9"
30 - 40	6"	12"
45+ MULTI-LANE	8"	12"+

TYPICAL STREET NAME SIGNS



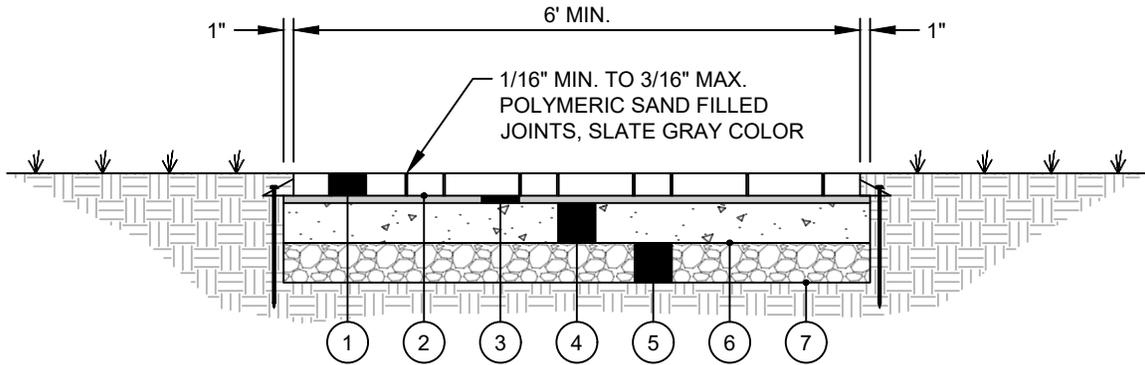
STANDARD DRAWING:

RDW-21

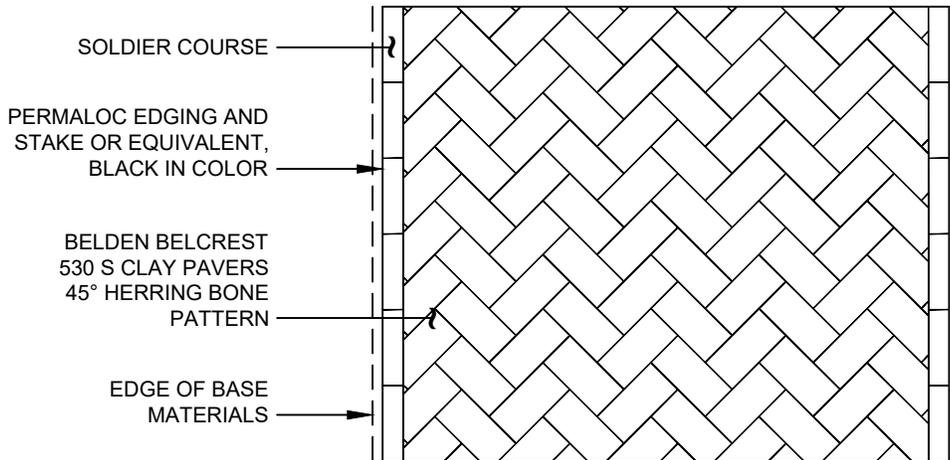
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HISTORIC DISTRICT BRICK PAVER WALK SECTION VIEW



HISTORIC DISTRICT BRICK PAVER WALK PLAN VIEW

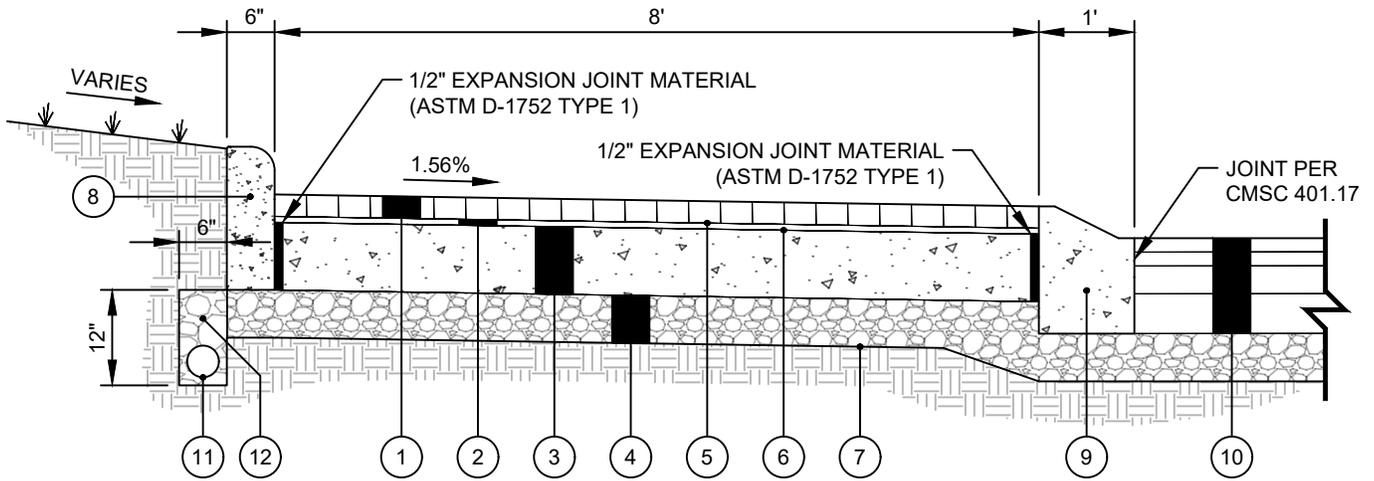
NOTE: POLES AND SIGNS WITH FOUNDATIONS WITHIN BRICK PAVER AREAS SHALL BE RECESSED TO ALLOW THE INSTALLATION OF BRICK PAVERS OVER THE FOUNDATION. PAVERS UNDER POLE OR SIGN SHALL BE FLUSH WITH ADJACENT FINISHED GRADE PAVERS.

- | | |
|-------------------------------------------------------------|--------------------------------------------------|
| ① ITEM SPEC - 2 1/4" x 3 5/8" x 7 5/8" BRICK PAVER | ④ ITEM 305 - 4" COC 6 CONCRETE BASE |
| ② ITEM SPEC - NEOPRENE MODIFIED ASPHALT ADHESIVE | ⑤ ITEM 304 - 4" COMPACTED AGGREGATE BASE |
| ③ ITEM SPEC - 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22) | ⑥ ITEM 407 - TACK COAT |
| | ⑦ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING |

HISTORIC DISTRICT BRICK PAVER SIDEWALK NOTES:

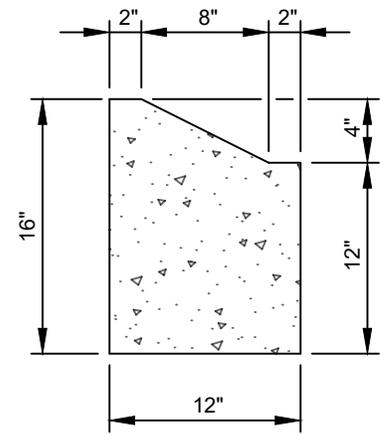
- THE PAVERS SHALL BE BELDEN BELCREST 530 S CLAY PAVERS, 2 1/4" x 3 5/8" x 7 5/8", MADE BY BELDEN BRICK COMPANY, CANTON, OHIO, LAID IN A 45° HERRINGBONE PATTERN.
- ALL JOINTS SHALL BE FILLED WITH A POLYMERIC SAND. SAND SHALL BE ALLIANCE GATOR MAXX G2 POLYMERIC SAND FOR OVERLAYS AND SLATE GRAY IN COLOR OR APPROVED EQUAL.
- FURNISH NEOPRENE MODIFIED ASPHALT ADHESIVE THAT CONTAINS 2% GRADE WM1 NEOPRENE, OXIDIZED ASPHALT WITH A 150 DEGREE SOFTENING POINT (77 PENETRATION), AND 10% LONG-FIBERED INERT MATERIAL, AS SUPPLIED BY SEIDEL COMPANY, INC., NEWBURYPORT, MA, (617-649-6740); HASTINGS PAVEMENT COMPANY, INC., LAKE SUCCESS, NY, (516-379-3500); OR APPROVED EQUAL.
- FURNISH ASPHALT CEMENT CONFORMING TO ASTM D 3381, PG64-22. FINE AGGREGATE SHALL BE NATURAL SAND AND/OR STONE SAND COMPOSED OF HARD, DURABLE, UNCOATED PARTICLES, FREE FROM CLAY, SILT, ORGANIC MATERIAL, OR OTHER DELETERIOUS SUBSTANCES. ALL SAND SHALL BE UNIFORMLY GRADED AND PASS A #4 SIEVE, MEETING THE REQUIREMENTS OF ASTM C 136. THE DRIED FINE AGGREGATE SHALL BE MIXED WITH HOT ASPHALT CEMENT AT THE PLANT AND HEATED TO APPROXIMATELY 300 DEGREES (F). APPROXIMATE MATERIAL PROPORTIONS SHALL BE 7% ASPHALT CEMENT AND 93% FINE AGGREGATE; OR 140 LBS ASPHALT TO 1,860 LBS FINE AGGREGATE PER TON.

HISTORIC DISTRICT BRICK PAVER WALK	
 City of Dublin OHIO, USA	STANDARD DRAWING: RDW-22
	REVISED: 01/01/26
	SHEET 1 / 1



ROUNDABOUT TRUCK APRON SECTION VIEW

- | | |
|-------------------------------------------------------------|--------------------------------------------------|
| ① ITEM SPEC - 8" x 4" x 2 3/4" BRICK PAVER | ⑦ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING |
| ② ITEM SPEC - 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22) | ⑧ ITEM 609 - 18" STRAIGHT CONCRETE CURB (RDW-05) |
| ③ ITEM 305 - 8.5" COC 6 CONCRETE BASE | ⑨ ITEM 609 - MOUNTABLE CURB |
| ④ ITEM 304 - 6" AGGREGATE BASE | ⑩ FLEXIBLE PAVEMENT |
| ⑤ ITEM SPEC - NEOPRENE MODIFIED ASPHALT ADHESIVE | ⑪ ITEM 605 - 4" PIPE UNDERDRAIN (720.01) |
| ⑥ ITEM 407 - TACK COAT | ⑫ #57 AGGREGATE |



MOUNTABLE CURB DETAIL

ROUNDABOUT TRUCK APRON NOTES:

1. THE PAVERS SHALL BE REGIMENTAL FULL RANGE WITH A CHAMFERED EDGE AND SPACER LUGS, 8" x 4" x 2 3/4", MADE BY BELDEN BRICK COMPANY, CANTON, OHIO, LAID IN A RUNNING BOND PATTERN. SPACER LUGS SHALL TOUCH BRICK WHEN INSTALLED. ALL JOINTS SHALL BE FILLED WITH A POLYMERIC SAND. SAND SHALL BE ALLIANCE GATOR MAXX G2 POLYMERIC SAND FOR OVERLAYS AND SLATE GRAY IN COLOR OR APPROVED EQUAL.
2. FURNISH NEOPRENE MODIFIED ASPHALT ADHESIVE THAT CONTAINS 2% GRADE WM1 NEOPRENE, OXIDIZED ASPHALT WITH A 150 DEGREE SOFTENING POINT (77 PENETRATION), AND 10% LONG-FIBERED INERT MATERIAL, AS SUPPLIED BY SEIDEL COMPANY, INC., NEW BURYPORT, MA, (617-649-6740); HASTINGS PAVEMENT COMPANY, INC., LAKE SUCCESS, NY, (516-379-3500); OR APPROVED EQUAL.
3. FURNISH ASPHALT CEMENT CONFORMING TO ASTM D 3381, PG64-22. FINE AGGREGATE SHALL BE NATURAL SAND AND/OR STONE SAND COMPOSED OF HARD, DURABLE, UNCOATED PARTICLES, FREE FROM CLAY, SILT, ORGANIC MATERIAL, OR OTHER DELETERIOUS SUBSTANCES. ALL SAND SHALL BE UNIFORMLY GRADED AND PASS A #4 SIEVE, MEETING THE REQUIREMENTS OF ASTM C 136. THE DRIED FINE AGGREGATE SHALL BE MIXED WITH HOT ASPHALT CEMENT AT THE PLANT AND HEATED TO APPROXIMATELY 300 DEGREES (F). APPROXIMATE MATERIAL PROPORTIONS SHALL BE 7% ASPHALT CEMENT AND 93% FINE AGGREGATE; OR 140 LBS ASPHALT TO 1,860 LBS FINE AGGREGATE PER TON.
4. UNDERDRAIN AT ROUNDABOUT ISLAND SHALL OUTLET TO THE NEAREST STORM STRUCTURE/INLET. INVERT OF THE UNDERDRAIN SHALL BE PLACED AT OR ABOVE THE TOP OF PIPE ELEVATION IN THE STORM STRUCTURE.

ROUNDABOUT TRUCK APRON DETAIL



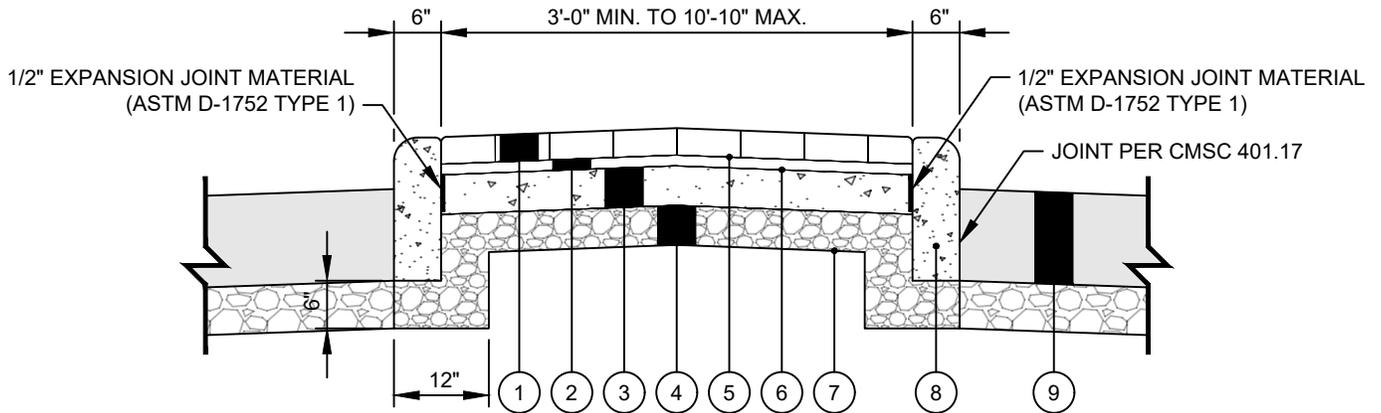
STANDARD DRAWING:

RDW-23

REVISED: 01/01/26

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BRICK PAVER MEDIAN SECTION VIEW

- | | |
|-------------------------------------------------------------|--------------------------------------------------|
| ① ITEM SPEC - 8" x 4" x 2 3/4" BRICK PAVER | ⑥ ITEM 407 - TACK COAT |
| ② ITEM SPEC - 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22) | ⑦ ITEM 204 - SUBGRADE COMPACTION & PROOF ROLLING |
| ③ ITEM 305 - 4" COC 6 CONCRETE BASE | ⑧ ITEM 609 - 18" STRAIGHT CONCRETE CURB (RDW-05) |
| ④ ITEM 304 - 4" AGGREGATE BASE | ⑨ FLEXIBLE PAVEMENT |
| ⑤ ITEM SPEC - NEOPRENE MODIFIED ASPHALT ADHESIVE | |

BRICK PAVER MEDIAN NOTES:

1. THE PAVERS SHALL BE REGIMENTAL FULL RANGE WITH A CHAMFERED EDGE AND SPACER LUGS, 8" x 4" x 2 3/4", MADE BY BELDEN BRICK COMPANY, CANTON, OHIO, LAID IN A RUNNING BOND PATTERN. SPACER LUGS SHALL TOUCH ADJACENT BRICK WHEN INSTALLED.
2. ALL JOINTS SHALL BE FILLED WITH A POLYMERIC SAND. SAND SHALL BE ALLIANCE GATOR MAXX G2 POLYMERIC SAND FOR OVERLAYS AND SLATE GRAY IN COLOR OR APPROVED EQUAL.
3. FURNISH NEOPRENE MODIFIED ASPHALT ADHESIVE THAT CONTAINS 2% GRADE WM1 NEOPRENE, OXIDIZED ASPHALT WITH A 150 DEGREE SOFTENING POINT (77 PENETRATION), AND 10% LONG-FIBERED INERT MATERIAL, AS SUPPLIED BY SEIDEL COMPANY, INC., NEWBURYPORT, MA, (617-649-6740); HASTINGS PAVEMENT COMPANY, INC., LAKE SUCCESS, NY, (516-379-3500); OR APPROVED EQUAL.
4. FURNISH ASPHALT CEMENT CONFORMING TO ASTM D 3381, PG64-22. FINE AGGREGATE SHALL BE NATURAL SAND AND/OR STONE SAND COMPOSED OF HARD, DURABLE, UNCOATED PARTICLES, FREE FROM CLAY, SILT, ORGANIC MATERIAL, OR OTHER DELETERIOUS SUBSTANCES. ALL SAND SHALL BE UNIFORMLY GRADED AND PASS A #4 SIEVE, MEETING THE REQUIREMENTS OF ASTM C 136. THE DRIED FINE AGGREGATE SHALL BE MIXED WITH HOT ASPHALT CEMENT AT THE PLANT AND HEATED TO APPROXIMATELY 300 DEGREES (F). APPROXIMATE MATERIAL PROPORTIONS SHALL BE 7% ASPHALT CEMENT AND 93% FINE AGGREGATE; OR 140 LBS ASPHALT TO 1,860 LBS FINE AGGREGATE PER TON.

**BRICK PAVER
MEDIAN DETAIL**



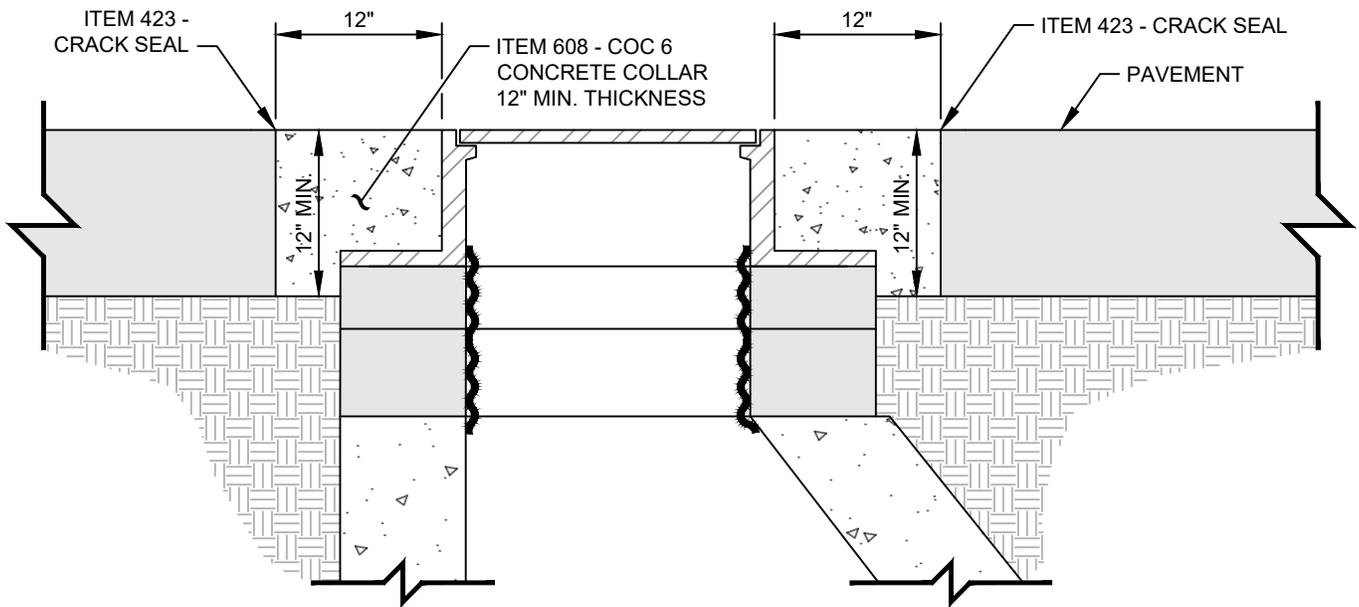
STANDARD
DRAWING:

RDW-24

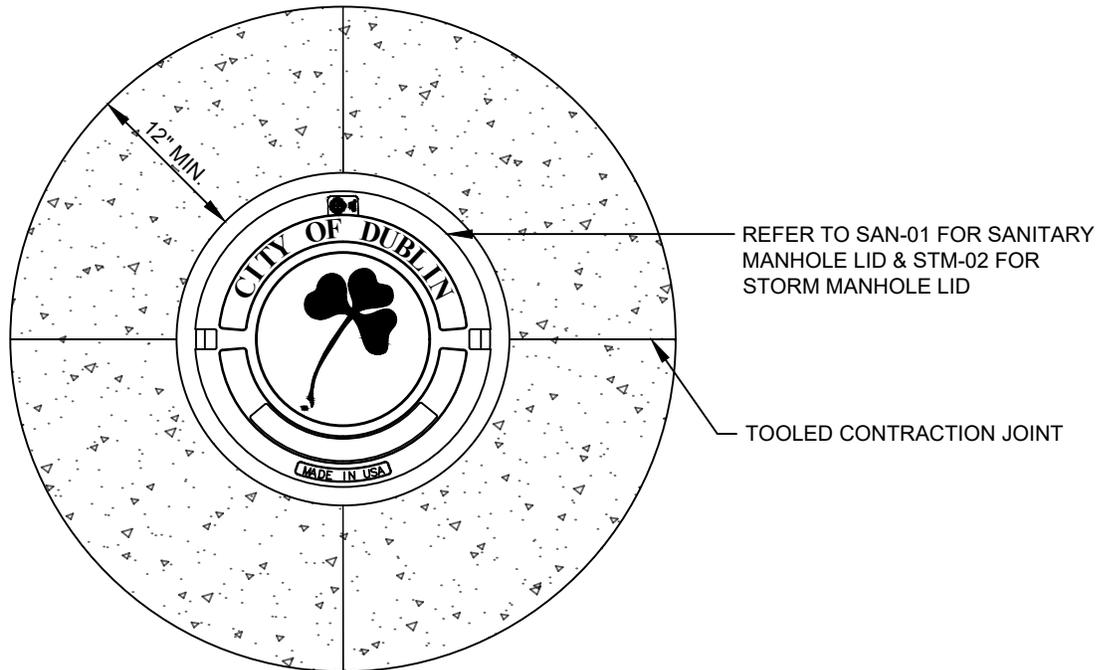
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CONCRETE COLLAR FOR MANHOLES IN PAVEMENT SECTION VIEW



CONCRETE COLLAR FOR MANHOLES IN PAVEMENT PLAN VIEW

CONCRETE COLLAR FOR MANHOLES IN PAVEMENT NOTES:

1. THE CASTING SHALL BE SET TO THE FINAL ELEVATION AFTER THE ASPHALT PAVING HAS BEEN COMPLETED.
2. THE CASTING OR TEMPORARY COVER FOR THE MANHOLE SHALL NOT INTERFERE WITH THE TRUCKING OR PAVING OPERATION.
3. THE PAVER SCREED SHALL BE ABLE TO PLACE THE SURFACE COURSE UNINTERRUPTED BY THE CASTING.
4. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH CMSC 451.10 UTILIZING VOCOMP-20 WATER-BASED, ACRYLIC CONCRETE CURING AND SEALING COMPOUND BY W.R. MEADOWS, INC. OR APPROVED EQUAL.

CONCRETE COLLAR FOR MANHOLES IN PAVEMENT



STANDARD DRAWING:

RDW-25

REVISED: 01/01/26

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TYPICAL FRONT LOAD GARAGE

A = ELEVATION OF THE GARAGE FLOOR

C = ELEVATION AT THE BACK EDGE OF THE PEDESTRIAN PATH

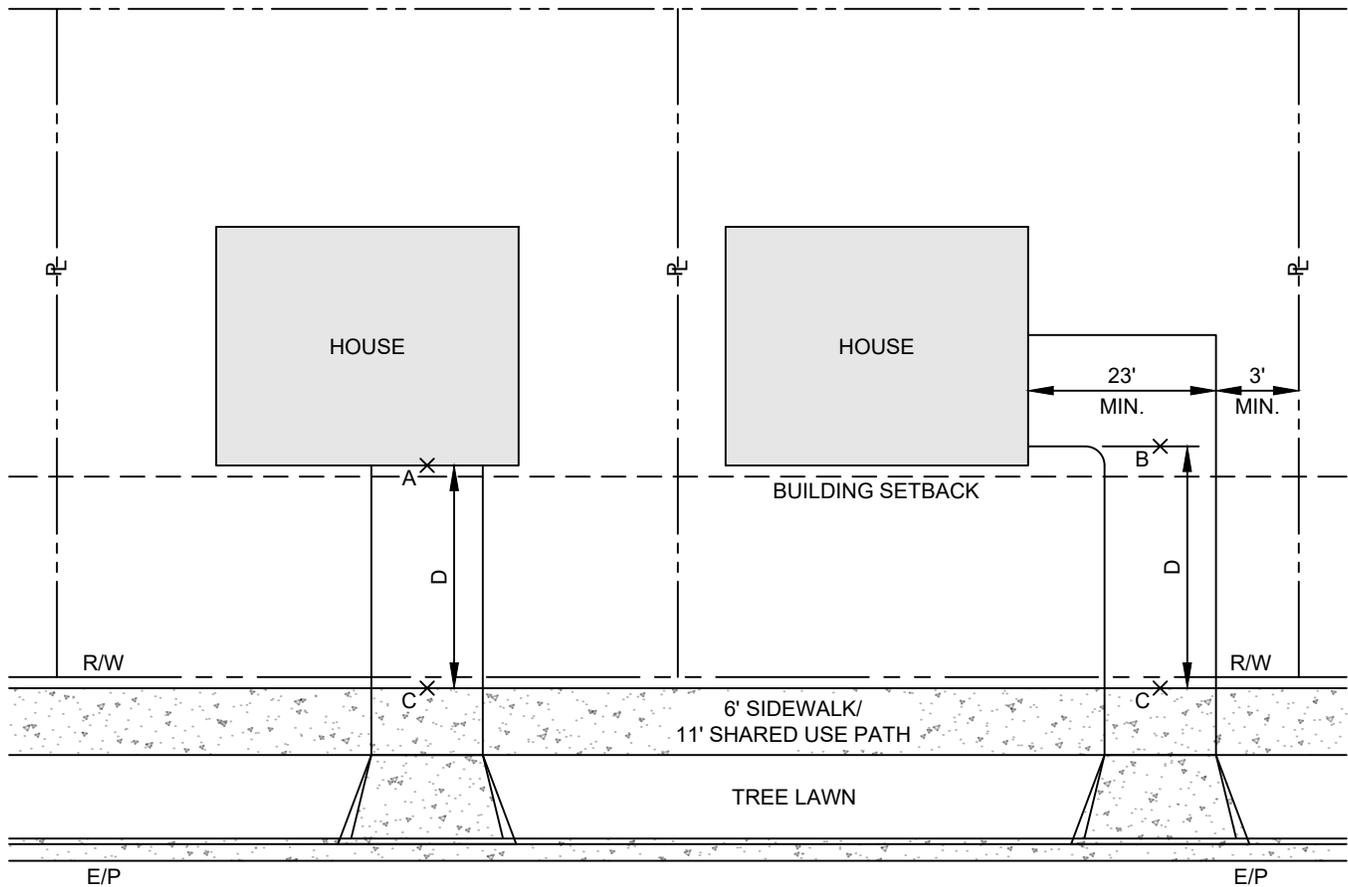
$$\text{SLOPE} = \frac{A - C}{D} \times 100\% \leq 8.00\%$$

TYPICAL SIDE LOAD GARAGE

B = ELEVATION OF THE DRIVEWAY

C = ELEVATION AT THE BACK EDGE OF THE PEDESTRIAN PATH

$$\text{SLOPE} = \frac{B - C}{D} \times 100\% \leq 8.00\%$$



RESIDENTIAL DRIVE SLOPE PLAN VIEW

RESIDENTIAL DRIVE SLOPE NOTES:

1. ELEVATION 'B' SHALL TYPICALLY REFLECT A 2% SLOPE FROM THE GARAGE FLOOR.
2. THESE ARE TYPICAL RESIDENTIAL DRIVE ARRANGEMENTS. OTHER CONFIGURATIONS CAN OCCUR AND WILL BE REVIEWED ON A CASE BY CASE BASIS.
3. RESIDENTIAL DRIVE NOT TO EXCEED A MAXIMUM SLOPE OF 8%, UNLESS APPROVED BY CITY ENGINEER.
4. FOR ADDITIONAL DRIVE DETAILS, SEE STANDARD DRAWINGS RDW-10 THROUGH RDW-13.

RESIDENTIAL DRIVE SLOPE



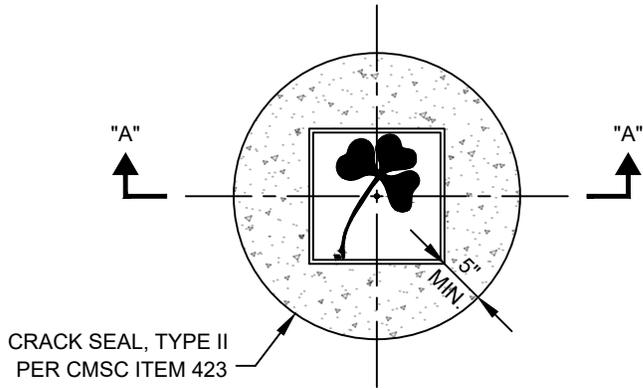
STANDARD DRAWING:

RDW-26

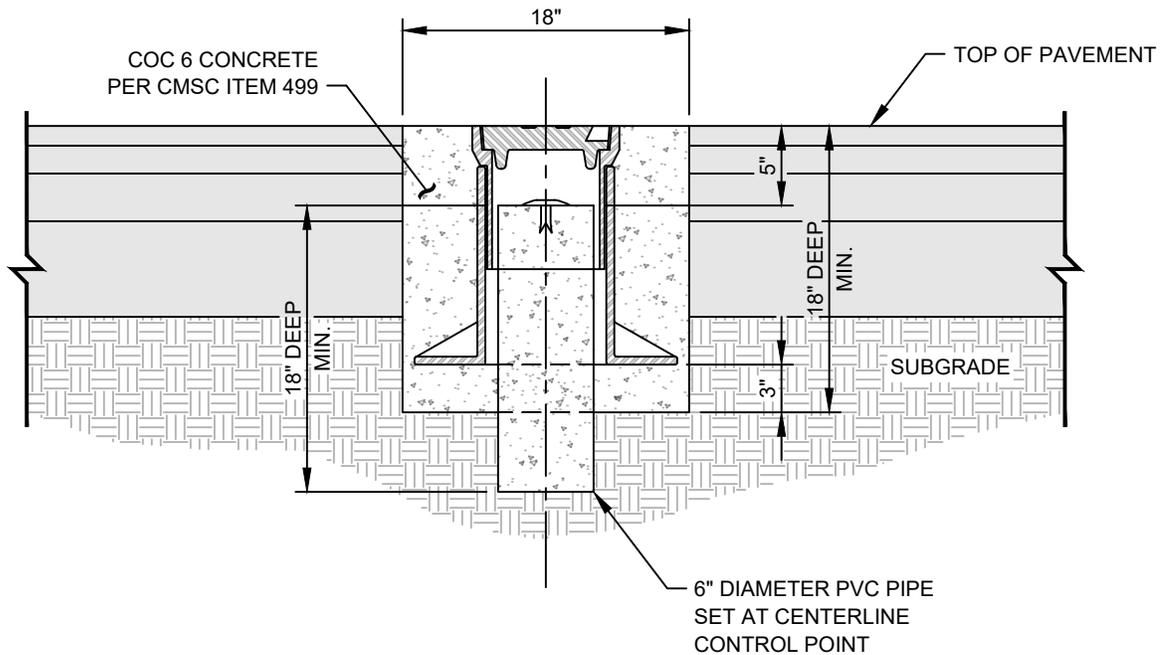
REVISED: 01/01/26

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MONUMENT BOX PLAN VIEW



MONUMENT BOX SECTION A-A

MONUMENT BOX NOTES:

1. MONUMENT BOX SHOULD BE PLACED AT ALL NEW PUBLIC STREET INTERSECTIONS.

APPROVED MONUMENT BOX TYPES:

- NEENAH R-1968 TYPE 36-B (ADJUSTABLE).
- EAST JORDAN IRON WORKS, INC. 8371 (ADJUSTABLE).

**MONUMENT
BOX DETAIL**



STANDARD
DRAWING:

RDW-27

REVISED: 01/01/26

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2026 Standard Drawings – Sanitary Sewer

Purpose & Alignment

The City of Dublin is a contract municipality to the City of Columbus wastewater collection system. All sanitary sewer improvements and expansions are subject to the current requirements of the sanitary sewer service agreement between the City of Columbus and City of Dublin, approved on April 13, 1993, and all amendments. As a contract municipality, any taps made to the public sewers will incur sewer tapping and capacity fees from both municipalities, which are to be paid directly to the City of Dublin for coordination.

Application and Use Guidance

- **State and Federal:** Construction must comply with City of Dublin, City of Columbus, Ohio EPA, Ohio Department of Health, and Ten States Standards. Permits and approvals are required before connections.
- **Sanitary Sewer Plans:** Engineering plans are to be submitted concurrently to the City of Dublin and the Columbus Division of Water Reclamation for review. City of Columbus review comments are to be supplied by the design engineer to the City of Dublin for review and determination of conformance.
- **Additional Standards:** Please reference the current City of Columbus standard drawings [AA-S### Series] for any sanitary sewer items that are not provided below.

NUMBER	TITLE	PGS
SAN - SANITARY SEWER		
SAN-01	SANITARY SEWER MANHOLE LID	1
SAN-02	SANITARY SEWER MANHOLE LID WITH BOLTED ASSEMBLY	1
SAN-03	SANITARY MANHOLE DETAILS	1
SAN-04	SANITARY MANHOLE CHIMNEY SEAL & WRAPIDSEAL DETAIL	1
SAN-05	ANTI-INFILTRATION & INFLOW BARRIER	1
SAN-06	TYPICAL SANITARY RISER DETAIL	1
SAN-07	DEEP SANITARY RISER DETAIL	1

Additional Resources

- City of Dublin Codified Ordinance Chapter 51, and subsequent updates
- City of Columbus, Division of Water Reclamation: Sanitary Sewer Design Manual

Engineering – Standard Construction Drawings 2026



6555 Shier Rings Rd
Dublin, OH 43016



614.410.4750
Dublinohiousa.gov

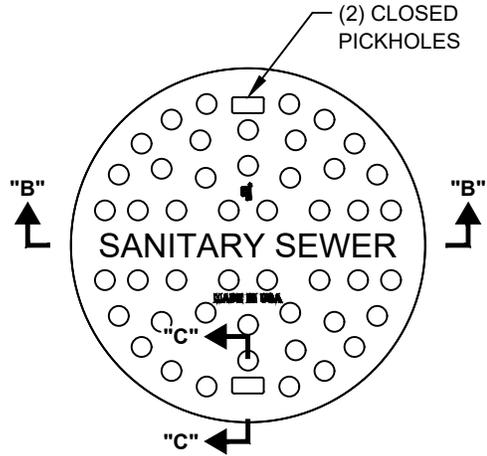
Sustainable | Connected | Resilient

PUBLIC SANITARY SEWER

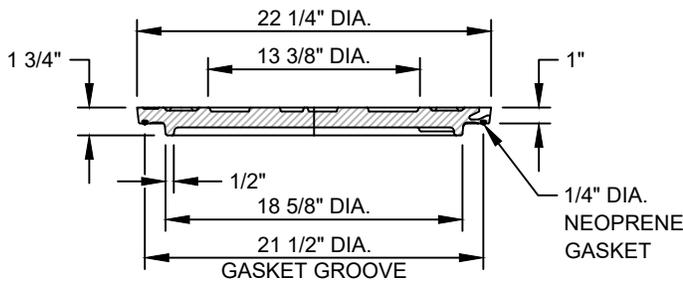
PRIVATE SANITARY SEWER



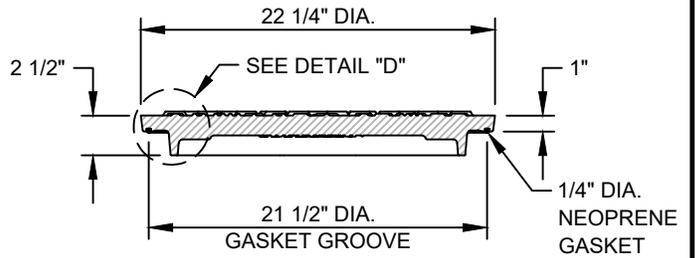
COVER PLAN VIEW



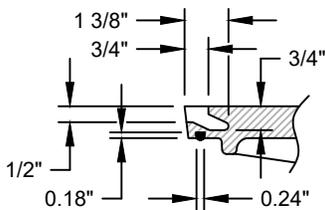
COVER PLAN VIEW



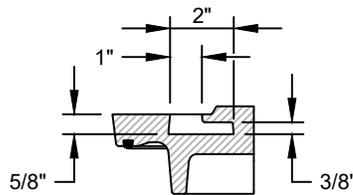
COVER SECTION VIEW A-A



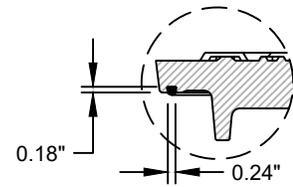
COVER SECTION VIEW B-B



GASKET & PICKSLOT DETAIL



SECTION VIEW C-C



DETAIL "D"

**SANITARY SEWER
MANHOLE LID**

LID SPECIFICATIONS (OR APPROVED EQUAL)		
SECTOR	EJ FOUNDRY	NEENAH FOUNDRY
PUBLIC	00166072	1762T53
PRIVATE	00166051	1762850



STANDARD
DRAWING:

SAN-01

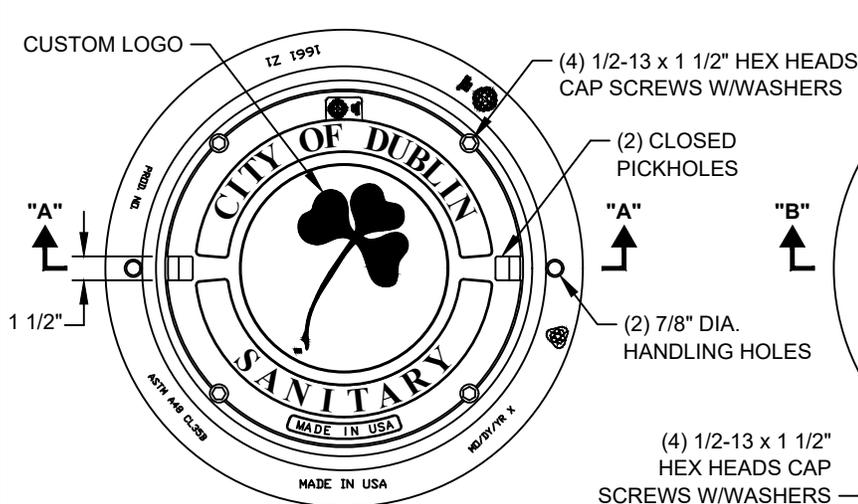
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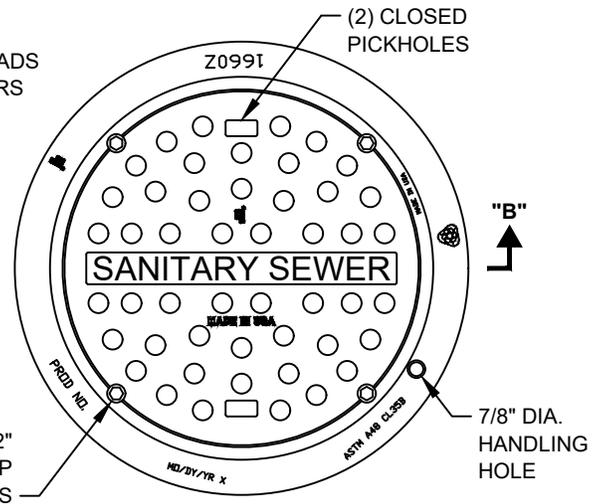
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PUBLIC SANITARY SEWER

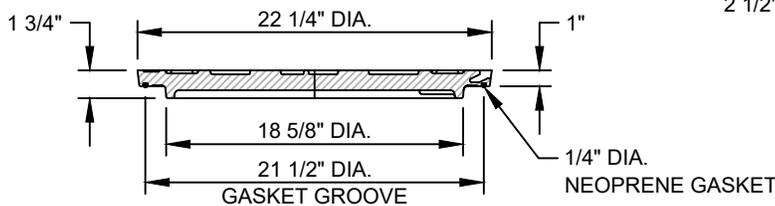
PRIVATE SANITARY SEWER



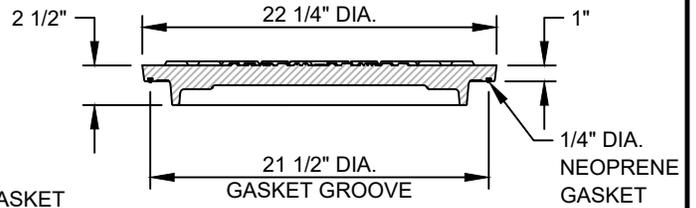
COVER PLAN VIEW



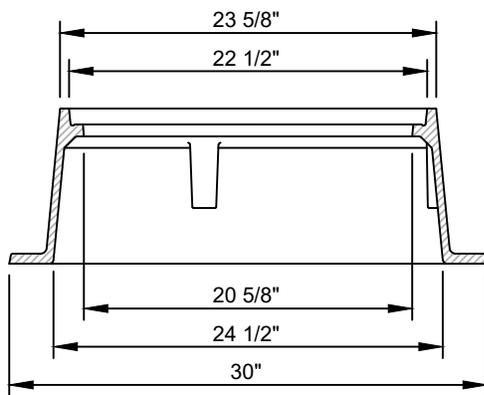
COVER PLAN VIEW



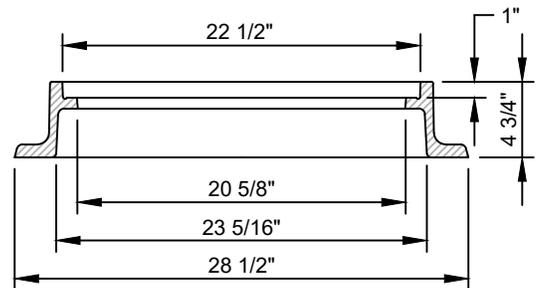
COVER SECTION VIEW A-A



COVER SECTION VIEW B-B

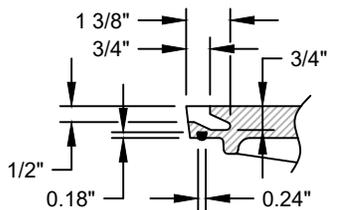


FRAME SECTION VIEW A-A



FRAME SECTION VIEW B-B

NOTE: BOLT DOWN LIDS TO BE USED WHEN MANHOLE IS LOCATED WITHIN DRAINAGE AREAS (FLOODPLAIN, BASINS, SWALES, ETC.) BOLT DOWN LIDS SHALL ALSO BE USED WHEN MANHOLE IS LOCATED IN WHEEL PATH.



GASKET & PICKSLOT DETAIL

LID SPECIFICATIONS (OR APPROVED EQUAL)		
SECTOR	EJ FOUNDRY	NEENAH FOUNDRY
PUBLIC	00166072B01	1762T53 *
PRIVATE	00166051B01	1916426

* BOLT ASSEMBLY TO BE DRILLED POST-CONSTRUCTION.

**SANITARY SEWER
MANHOLE LID WITH
BOLTED ASSEMBLY**



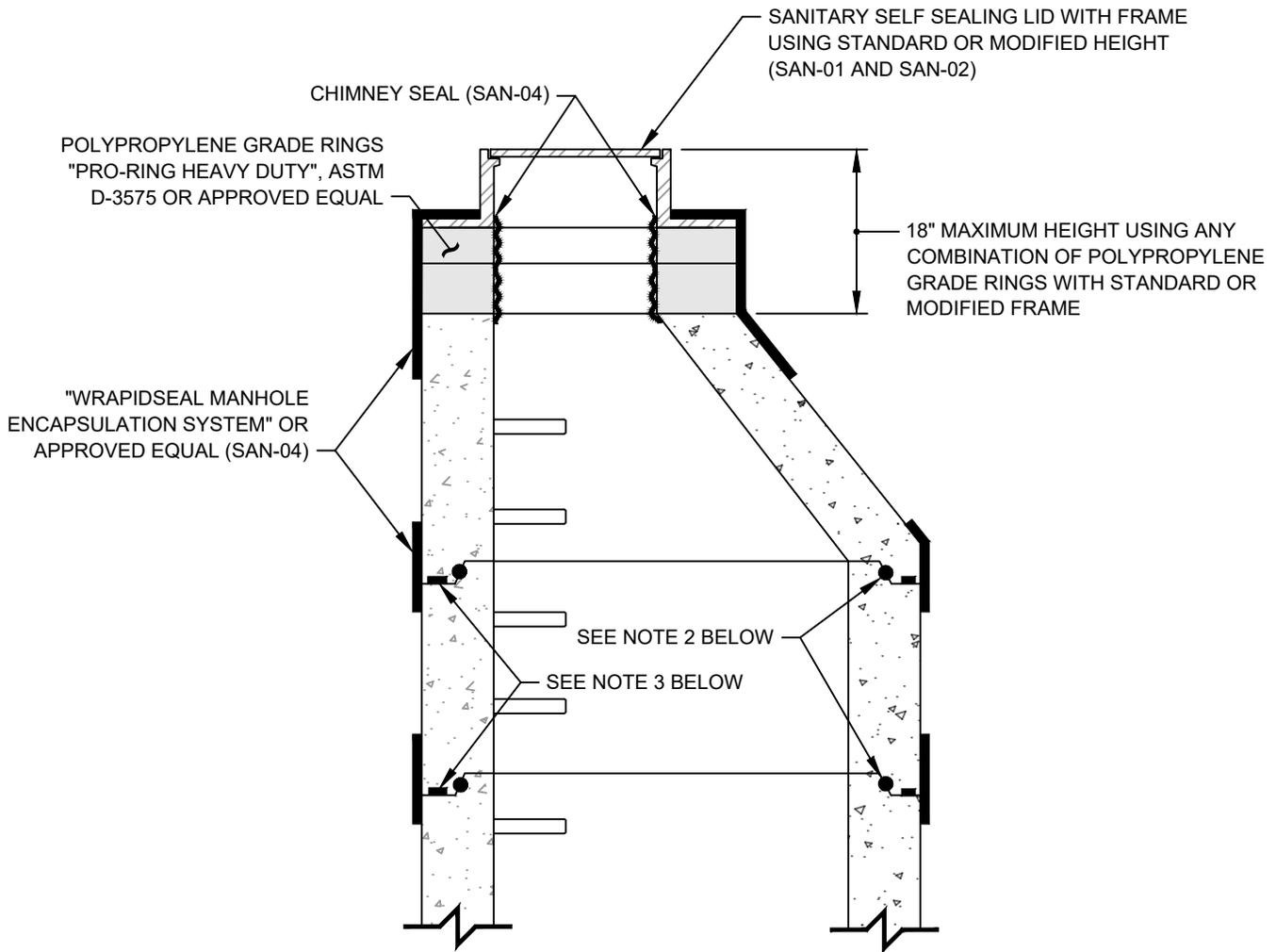
STANDARD
DRAWING:

SAN-02

REVISED: 01/01/26

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SANITARY MANHOLE NOTES:

1. CLEAN EACH SURFACE BY WIRE BRUSHING AWAY ALL LOOSE CONCRETE DUST AND DIRT. PLACE SEALANT IN A CIRCULAR CONFIGURATION ON EACH CONCRETE SURFACE AND OVERLAP A MINIMUM OF 1/4 INCH AND KNEAD ENDS.
2. CLEAN BELL AND SPIGOT JOINT. APPLY APPROVED LUBRICATION TO JOINT SURFACE AND TO "O" RING; THEN EQUALIZE GASKET TO GROOVE.
3. PLACE 1/2 INCH DIAMETER SEALANT AS MANUFACTURED BY CONCRETE SEALANTS INC., "CONSEAL" OR APPROVED EQUAL ON RISER TOP LEDGE.
4. MANHOLES IN IMPERVIOUS AREAS SHALL REQUIRE A CONCRETE COLLAR PER RDW-25.
5. MANHOLES SHALL BE CHANNELIZED PER CITY OF COLUMBUS STD. DWG. AA-S117.
6. ALL OTHER MANHOLE DIMENSIONS AND SPECIFICATIONS SHALL BE PER CURRENT CITY OF COLUMBUS STANDARD DRAWINGS AND SPECIFICATIONS.
7. BOLT DOWN FRAME AND COVER SHALL BE USED IN ANY AREAS WHERE CASTING COULD BE SUBMERGED OR AS DIRECTED BY CITY ENGINEER. FRAME AND COVER SHALL BE PER SAN-02.

**SANITARY
MANHOLE
DETAILS**



STANDARD
DRAWING:

SAN-03

REVISED: 01/01/26

SHEET

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"WRAPIDSEAL MANHOLE ENCAPSULATION SYSTEM" OR APPROVED EQUAL

INTERNAL MANHOLE CHIMNEY SEAL

RUBBER SLEEVE

STAINLESS STEEL EXPANSION BANDS

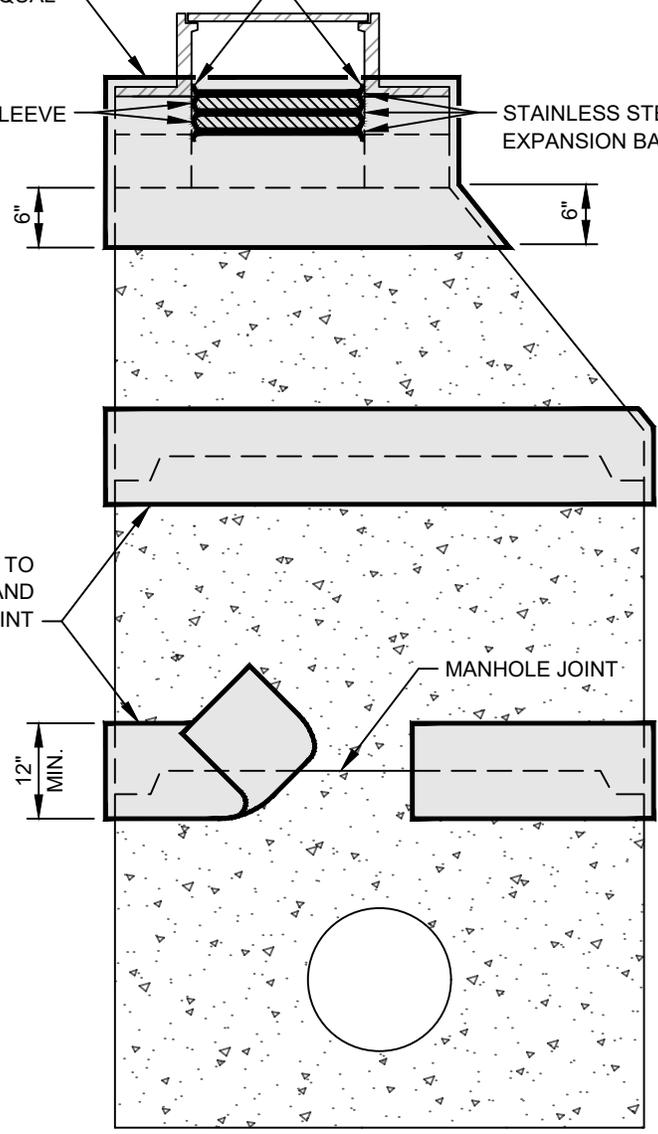
6"

6"

WRAPIDSEAL, SEAL TO EXTEND 6" ABOVE AND BELOW MANHOLE JOINT

MANHOLE JOINT

12"
MIN.



CHIMNEY SEAL NOTE:

1. CHIMNEY SEAL IS REQUIRED FOR MANHOLES WITHIN PAVEMENT LIMITS. CHIMNEY SEAL SHALL BE "CRETEX INTERIOR CHIMNEY SEAL", OR APPROVED EQUAL.

**SANITARY MANHOLE
CHIMNEY SEAL &
WRAPIDSEAL DETAIL**



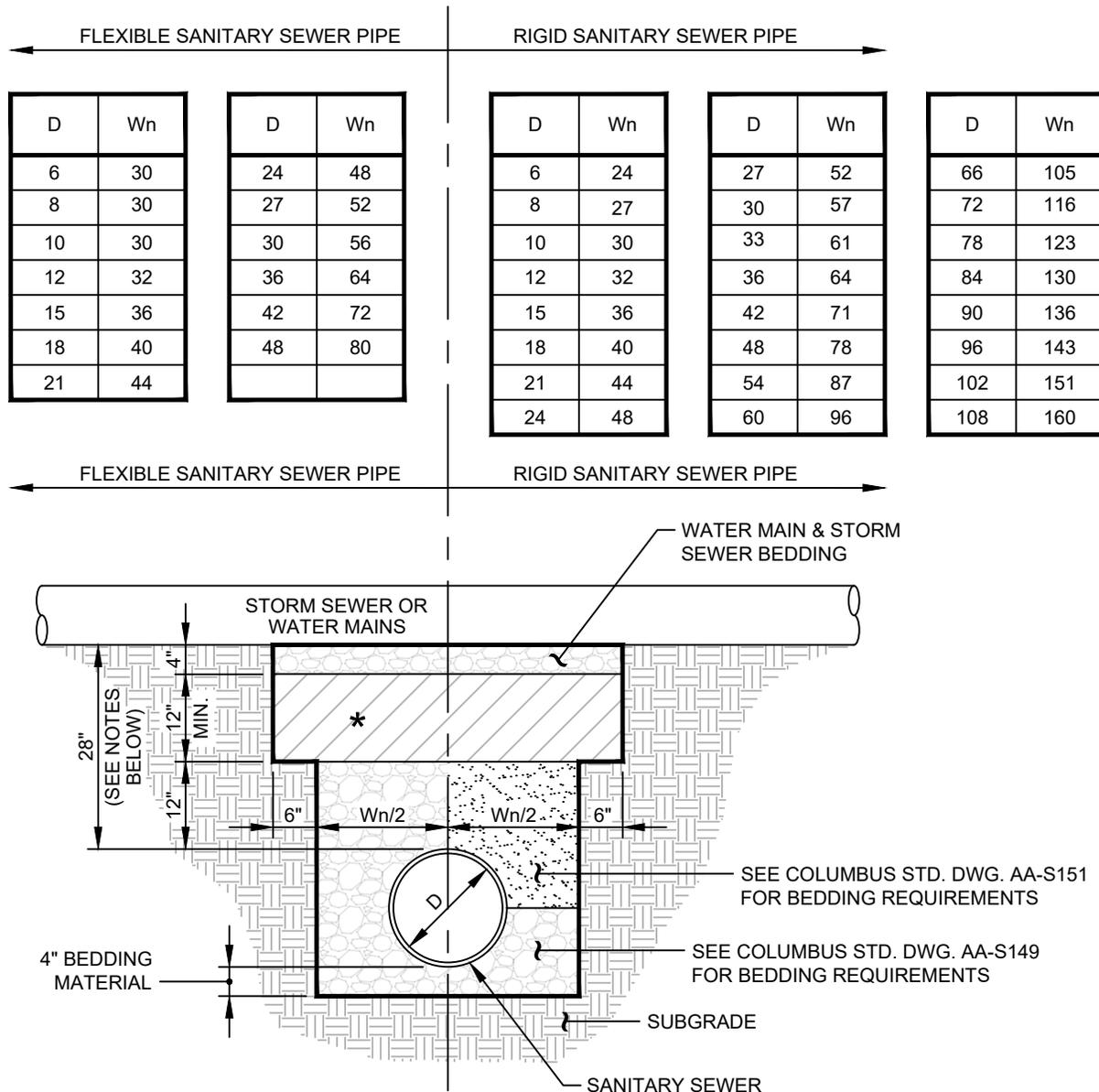
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ANTI-INFILTRATION AND INFLOW BARRIER NOTES:

1. THIS DETAIL IS REQUIRED AT ALL SANITARY SEWER/SERVICES AND WATER MAIN CROSSINGS AND SANITARY SEWER/ SERVICES AND STORM SEWER CROSSINGS. IF DISTURBED DURING THE CONSTRUCTION OF THE STORM SEWER OR WATER MAIN IT MUST BE RESTORED TO THE REQUIREMENTS OF THE DETAIL. THIS DETAIL IS NOT BEING USED TO MITIGATE CROSSINGS WHERE THERE IS LESS THAN 18 INCHES OF VERTICAL DISTANCE FROM OUTSIDE TO OUTSIDE OF PIPES.
 2. LENGTH OF I/I BARRIER PROTECTION FOR MAINLINE AND LATERALS SHALL BE 10 FEET CENTERED ON STORM/WATER MAIN PIPE CROSSING AND MEASURED ALONG THE SANITARY MAINLINE OR SERVICE LATERAL. (THIS LENGTH SHALL BE 15 FEET WHERE SANITARY LINES ARE CROSSING TWO WATERLINES RUNNING PARALLEL.)
- * COMPACTED CLAY PER ITEM 203, STARTING AT 12 INCHES ABOVE SANITARY SEWER, BETWEEN STORM OR WATER AND SANITARY SEWER. IN AREAS WITH LESS THAN 28 INCHES OF SEPARATION, CONTRACTOR SHALL PROVIDE 2 INCHES OF "BENT-O-FIX THERMAL LOCK GEOSYNTHETIC CLAY LINER (GCL)", OR APPROVED EQUAL AS A BARRIER. GCL SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

**ANTI-INFILTRATION
& INFLOW BARRIER**



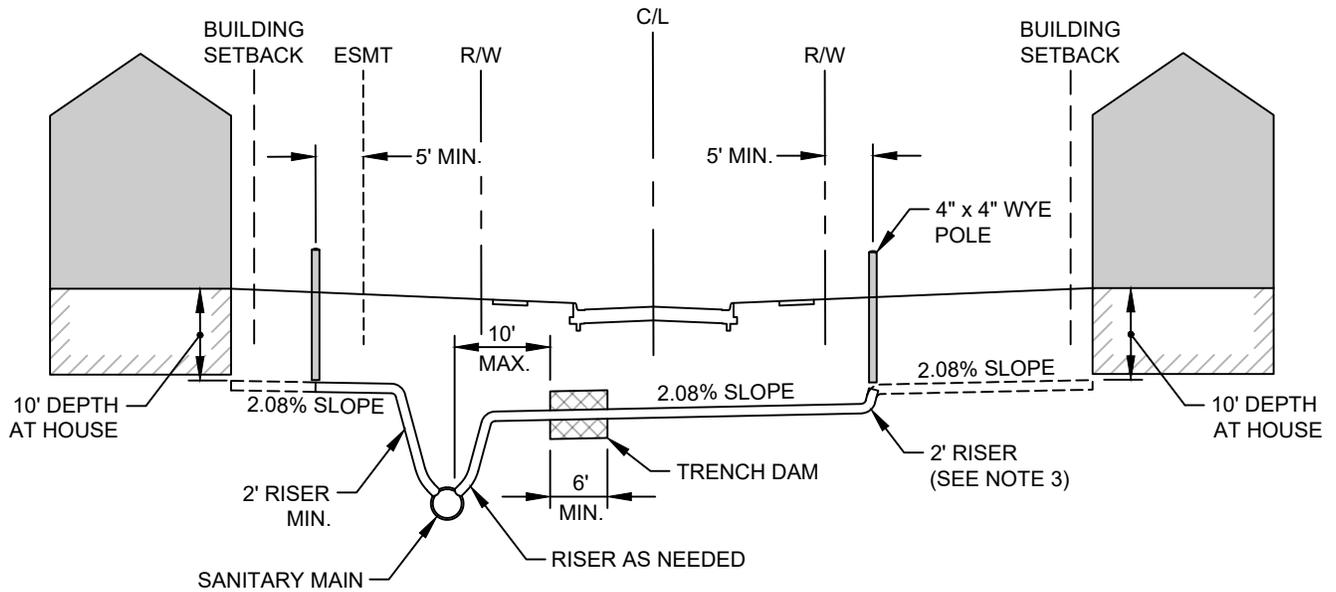
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TYPICAL SANITARY SERVICE PROFILE VIEW

RISER NOTES:

1. LATERAL TO BE DESIGNED TO SERVE BASEMENT UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
2. RISERS GREATER THAN 8 FEET DEPTH SHALL HAVE BACKING JOINTS AS APPROVED BY THE CITY ENGINEER. REFER TO SAN-07 FOR DETAILS.
3. BACKWATER VALVES SHALL BE INSTALLED ON SANITARY SERVICES WITH A RISER OF LESS THAN 2 FEET. BACKWATER VALVES SHALL BE INSTALLED AT THE TIME THE STRUCTURE IS CONSTRUCTED.
4. ALL SANITARY SERVICE PIPES AND RISERS TO BE SPECIFIED IN A "SANITARY SERVICE TABLE" ON PLANS.
5. SANITARY SERVICE PIPES SHALL BE 2.08% MINIMUM SLOPE UNLESS OTHERWISE APPROVED BY CITY ENGINEER.

TYPICAL SANITARY RISER DETAIL



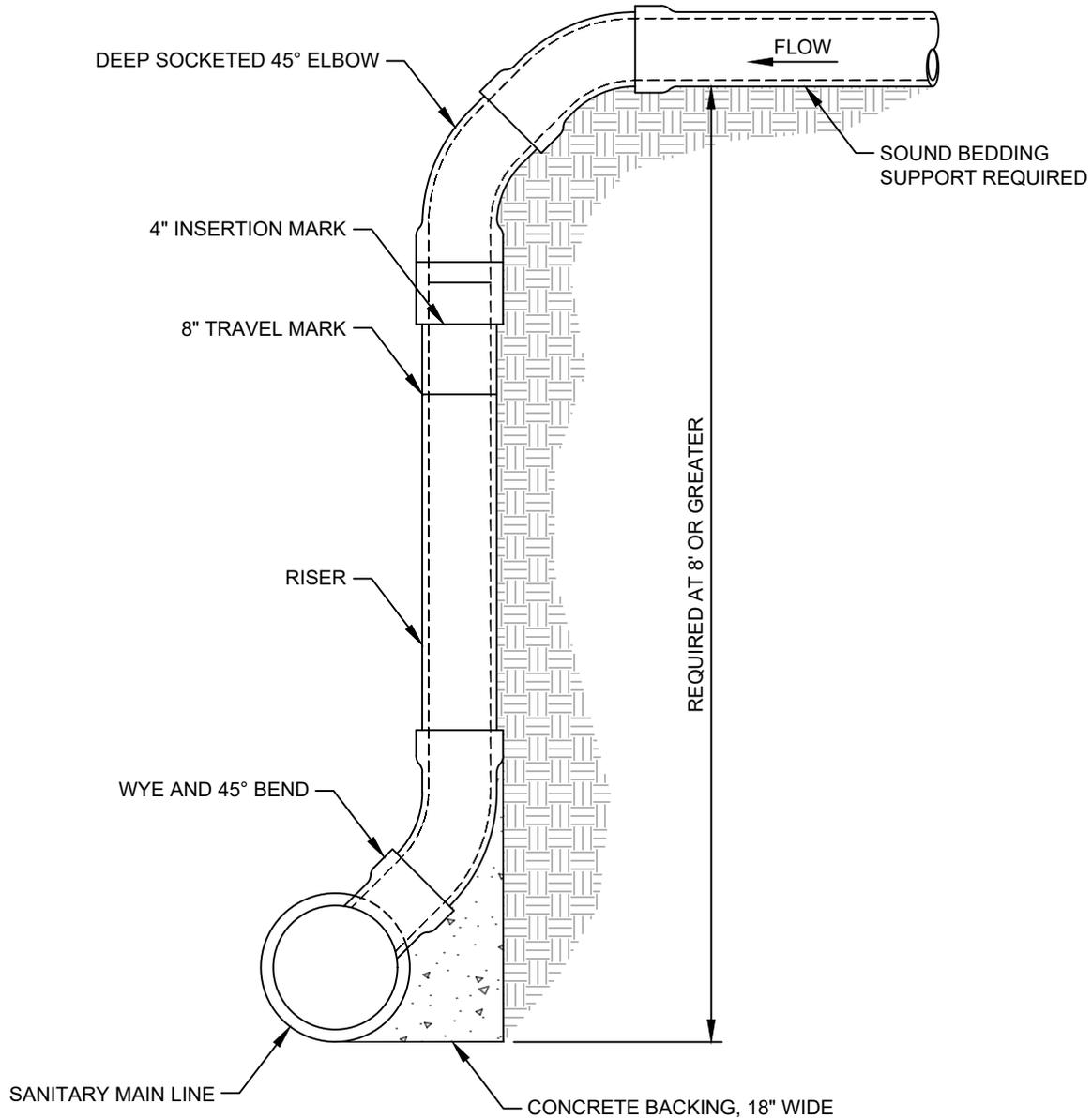
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DEEP SANITARY RISER SECTION VIEW

DEEP SANITARY RISER NOTES:

1. THIS DETAIL APPLIES TO ALL SANITARY SERVICE RISERS THAT ARE 8 FEET OR GREATER.
2. THE DEEP SOCKET ELBOW SHOULD BE INSERTED 4 INCHES ONTO THE RISER. TWO LINES SHOULD BE MARKED ON THE RISER. MARK AT 4 INCHES FOR INSERTION AND AT 8 INCHES TO MEASURE ANY TRAVEL THAT MAY OCCUR.
3. DEEP SOCKET ADAPTERS TO BE GPK PRODUCTS OR APPROVED EQUAL.

**DEEP SANITARY
RISER DETAIL**



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2026 Standard Drawings – Street Lighting

Purpose & Alignment

The Street lighting for public and private development sites must comply with the City of Dublin Standard Drawings and ODOT specifications. All installations shall use LED luminaires with full cutoff optics and approved mounting hardware. Illumination levels must meet design criteria, including minimum foot-candle requirements and uniformity ratios. Electrical connections and pole installations shall follow Section 625 of ODOT specifications and be inspected for compliance. Final approval requires operational lights, proper alignment, and adherence to all permitting and inspection requirements.

Application and Use Guidance

- **Envision Dublin Integration:** Drawings reflect the goals of the Envision Dublin Community Plan, emphasizing multimodal transportation, sustainable infrastructure, and enhanced public spaces.
- **Codified Ordinance Compliance:** All details conform to the City’s current Code of Ordinances and adopted engineering standards.
- **Accessibility & Safety:** Incorporates ADA compliance and lighting standards.

NUMBER	TITLE	PGS
STL - STREET LIGHTING		
STL-01	LUMINAIRE	1
STL-02	TRANSFORMER BASE	2
STL-03	LIGHT POLE	1
STL-04	POLE FOUNDATION	2
STL-05	LIGHTING CONDUIT TRENCH DETAIL	1
STL-06	QUICK DISCONNECT	1
STL-07	SAMPLE LIGHTING QUANTITIES SCHEDULE	1
STL-08	STREET LIGHT LOCATION	1
STL-09	DECORATIVE LUMINAIRE	1
STL-10	DECORATIVE LIGHT POLE - SINGLE HEAD	1
STL-11	DECORATIVE LIGHT POLE - DOUBLE HEAD	1
STL-12	DECORATIVE LIGHT POLE FOUNDATION	1
STL-13	LIGHTING CONTROLLER	3

Engineering – Standard Construction Drawings 2026



6555 Shier Rings Rd
Dublin, OH 43016



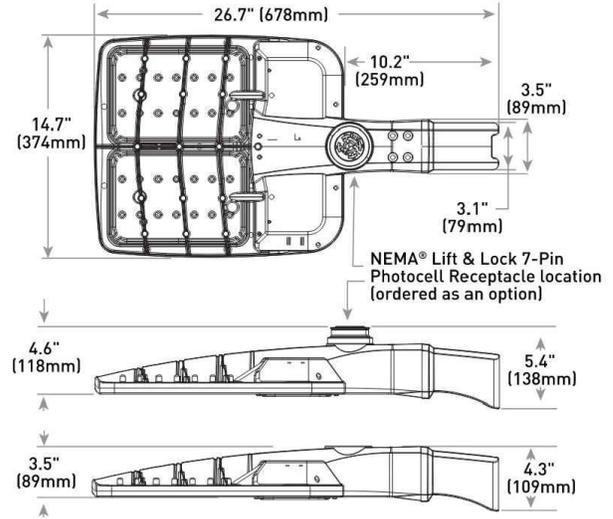
614.410.4750
Dublinohiousa.gov

Sustainable | Connected | Resilient

OSQ-ML-C-DA MOUNT



OSQ-ML-C-DA MOUNT



LIGHTING DESIGN CRITERIA:

MIN = 0.4 fc
 AVG/MIN RATIO = 3:1
 MAX/MIN RATIO = 6:1
 CROSSWALK AREA = 1.1-1.3 fc

GENERAL DESCRIPTION:

LIGHT EMITTING DIODE (LED), CUTOFF (AS SPECIFIED ON THE CONSTRUCTION DRAWINGS), ONE-PIECE EXTRUDED ARM. OPERATING VOLTAGE SHALL BE ** VOLTS, SINGLE PHASE.

** VOLTAGE REQUIREMENTS ARE TO BE SPECIFIED ON THE PLANS.

APPROVED LUMINAIRE:

CREE LED (120): OSQ-M-C-**XX**-40K7-3M-UL-NM-BZ-R
 CREE LED (480): OSQ-M-C-**XX**-40K7-3M-UH-NM-BZ-R
 (OR AS APPROVED BY CITY ENGINEER)
XX = LUMEN PACKAGE TO BE SPECIFIED ON PLANS

MOUNT: OSQ-ML-C-DA-BZ
 (OR AS APPROVED BY CITY ENGINEER)

CABLE:

PROVIDE #12 THHN, STRANDED COPPER 600V, 90 DEGREES CELSIUS CONDUCTORS. WIRE TO LUMINAIRE. SECURE LUMINAIRE ARM WITH CABLE GRIP PROVIDED WITH LUMINAIRE. PROVIDE ADEQUATE LENGTH TO EXTEND MINIMUM TWO FEET OUT OF HAND HOLE.

EXECUTION:

ALL LUMINAIRES SHALL BE PLUMB AND LEVEL. ALL LAMPS SHALL BE OPERATIONAL PRIOR TO INSPECTION. ALL SURFACES SHALL BE CLEANED OF DIRT, DEBRIS, ETC. AND FREE OF SCRATCHES, DENTS, ETC.

METHOD OF MEASUREMENT:

SEE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS SECTION 625.

BASIS OF PAYMENT:

SEE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS SECTION 625.

LUMINAIRE



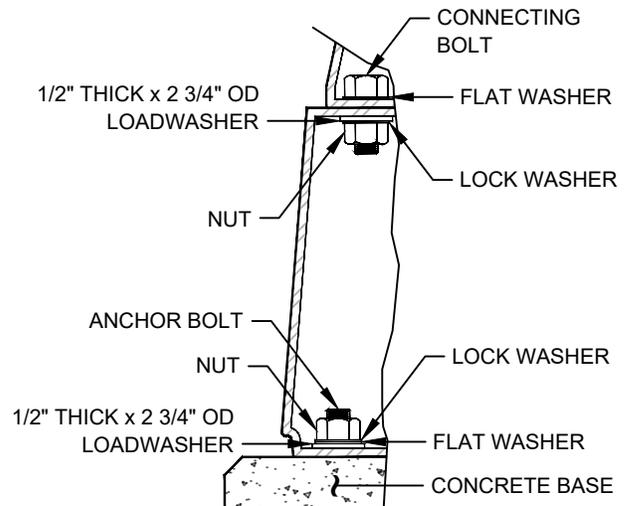
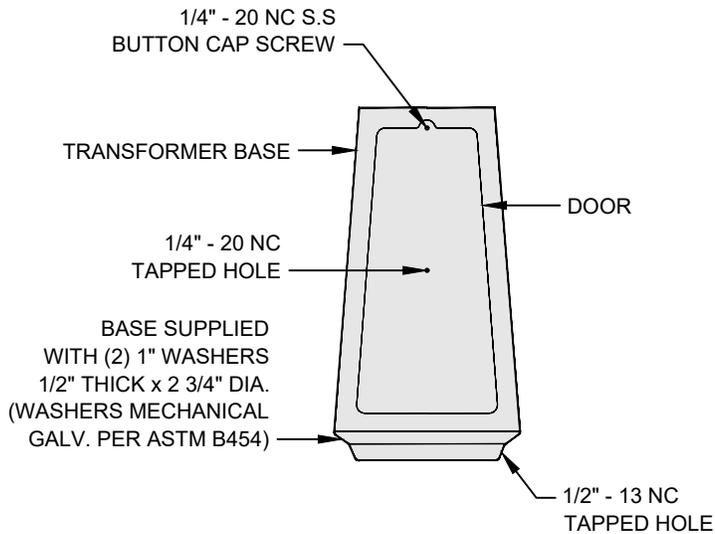
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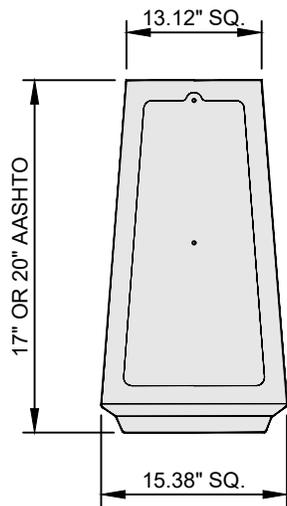
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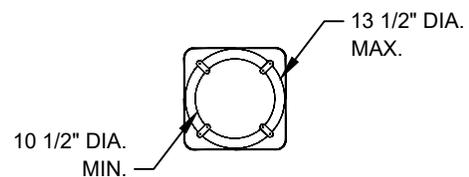
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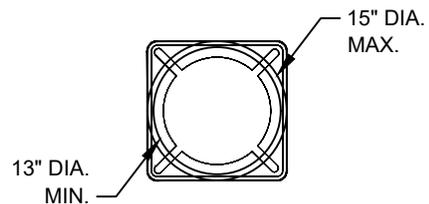
INTERIOR VIEW



EXTERIOR VIEW



TOP VIEW



BOTTOM VIEW

TRANSFORMER BASE NOTE:

PROVIDE A ONE-PIECE CAST ALUMINUM ALLOW 356 BREAKAWAY TRANSFORMER BASE. MINIMUM 17 INCHES HIGH WITH A REMOVABLE MATCHING ACCESS DOOR HELD IN PLACE WITH STAINLESS STEEL SCREWS. THE DOOR SHALL BE A MINIMUM OF 13 INCHES HIGH, 8 INCHES WIDE AT TOP, AND 9 INCHES WIDE AT BOTTOM. DOOR SHALL BE FIELD POSITIONED ON SIDE AWAY FROM ROADWAY. THE BASE SHALL BE DESIGNED TO BE ATTACHED WITH ANCHOR BOLTS PROVIDED WITH A TEMPLATE FOR MOUNTING IN A CONCRETE BASE. PROVIDE A GALVANIZED STEEL HEX-HEAD MACHINE BOLT WITH NUTS AND LOCKWASHERS TO ATTACH POLE BASE FLANGE TO TRANSFORMER BASE. PROVIDE LOAD DISTRIBUTION NON-CORROSIVE WASHERS TO EQUALIZE BOLT FORCES AT FLANGE MATING SURFACES.

GROUNDING NOTE:

EACH TRANSFORMER BASE SHALL CONTAIN AN INTERNAL LUG WITH DRILLED HOLE FOR ATTACHING A GROUND CONDUCTOR.

**TRANSFORMER
BASE**



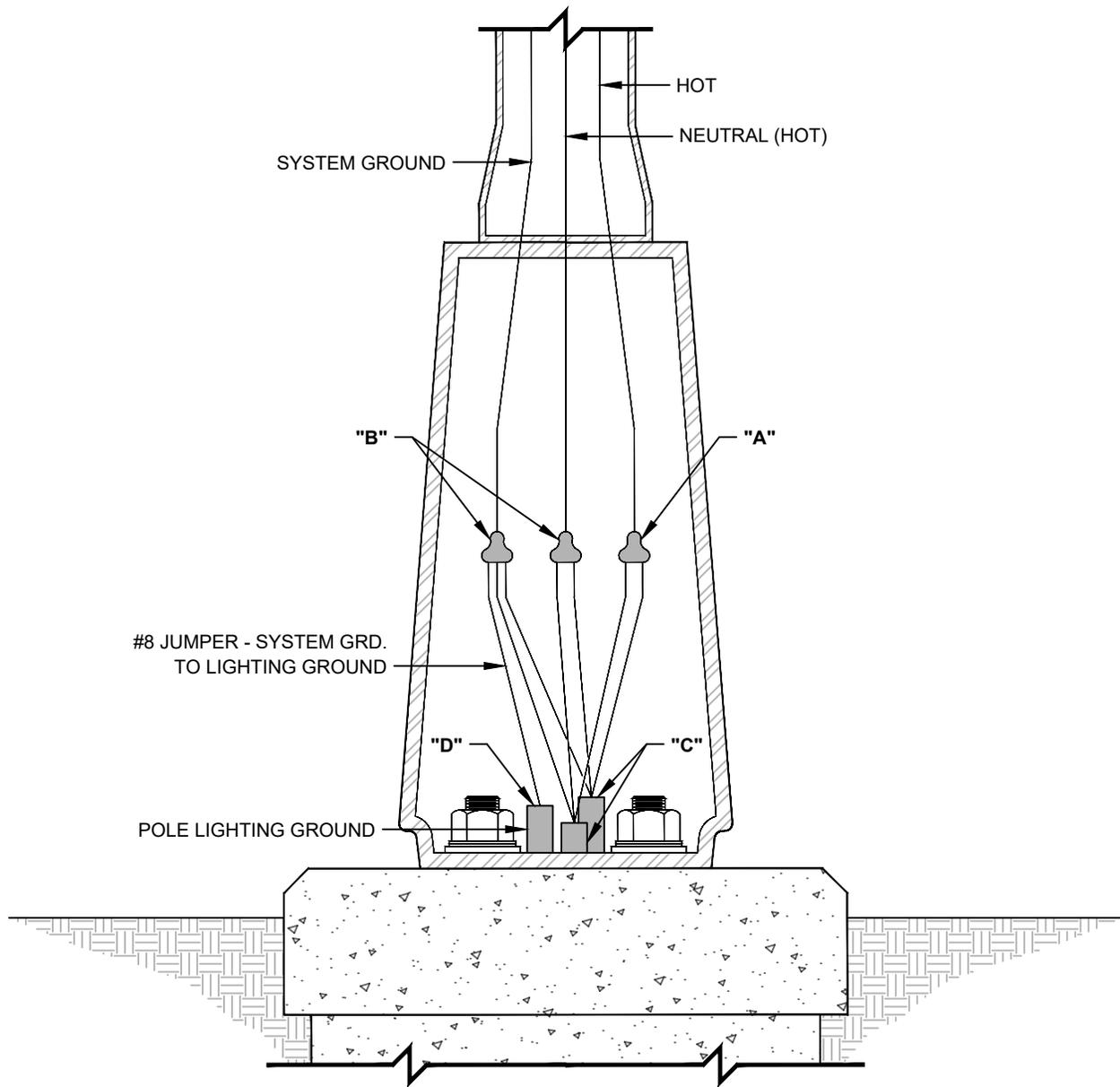
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CONNECTION NOTES:

- "A" FUSED-INLINE Y CONNECTOR KIT TYPE II WITH WATERPROOF BOOTS AND BREAKAWAY RECEPTACLE. FUSE AT 5 AMPS, ELASTIMOLD STYLE 82 SERIES OR HOMAC FY SERIES, BUSS KTK-R FUSE. (SINGLE PHASE = 1, DOUBLE PHASE = 2 PER POLE)
- "B" UNFUSED-INLINE 7 CONNECTOR KIT TYPE III WITH WATERPROOF BOOTS AND BREAKAWAY RECEPTACLE, ELASTIMOLD 83 SERIES OR HOMAC DY SERIES. (SINGLE PHASE = 2, DOUBLE PHASE = 1 PER POLE)
- "C" PROVIDE MOLDED PLASTIC OR RUBBER CAPPING DEVICE THAT ONLY PERMITS WIRE PASS THROUGH WHILE PREVENTING ENTRY OF DIRT, WATER, ETC.
- "D" POLE LIGHTING GROUND LUG UNINSULATED COPPER COMPRESSION TERMINAL UL LISTED FOR 600V. SIZE FOR WIRE SPECIFIED. DRILL, TAP, AND BOLT TO TRANSFORMER BASE BURNDY YA SERIES. BOND SYSTEM GROUND TO LIGHTNING ROD GROUND.

PROVIDE 2 FEET OF SLACK IN ALL WIRING TO BRING CONNECTORS AND FUSE HOLDERS OUT THROUGH HANDHOLE.

TRANSFORMER BASE	
	STANDARD DRAWING: STL-02 REVISED: 01/01/26
SHEET	2 / 2

PHOTOCELL CONTROL (ONE PHOTOCELL REQUIRED PER CIRCUIT)

POLE CAP

24"

LUMINAIRE

LUMINAIRE BRACKET

RECEPTACLE OUTLET BOX (MODIFICATION NO. 183 OR 185)

POLE DAMPER

BOLT CIRCLE DIA: 12"

TAPER: 4 1/2" TOP OD.
8" BASE OD.

MINIMUM WALL THICKNESS: 0.156"

MINIMUM EPA: 2.7

POLE SHAFT

BASE COVER

POLE BASE WITH TAMPERPROOF COVER. POSITION COVER OPPOSITE TRAFFIC DIRECTION.

TRANSFORMER BASE WITH LUMINAIRE FUSING GROUNDING LUG

POLE FOUNDATION (STL-04)

"A"
"B"

1'-8"

DIMENSIONS:

POLE DIMENSION

POLE DIMENSION	"A"	"B"
TYPE 1	36'-8"	35'-0"
TYPE 2	31'-8"	30'-0"
TYPE 3	26'-8"	25'-0"

GENERAL DESCRIPTION:

ALUMINUM ROUND TAPERED ANCHOR BASE WITH FINISH: COLOR SHALL BE FEDERAL STANDARD #595-C, COLOR 20040, AS APPROVED BY CITY ENGINEER. PAINT SHALL BE A POWDER PAINT FINISHED TO A GLOSS OF 35% (AT 60 DEGREES) SPUN ALUMINUM FINISH WITH POLE CAP, TRANSFORMER BASE, BASE COVER, AND BOLT COVERS.

POLE CAP:

PROVIDE AN ORNAMENTAL ALUMINUM VIBRATION DAMPER ATTACHED TO MIDPOINT VIA WELDING. LOCATE INSIDE POLE. FACTORY INSTALLED.

POLE DAMPER:

PROVIDE A SECOND MODE VIBRATION DAMPER ATTACHED TO MIDPOINT VIA WELDING. LOCATE INSIDE POLE. FACTORY INSTALLED.

BASE FLANGE:

PROVIDE A ONE PIECE CAST SOCKET OF ALUMINUM ALLOY 356. THE FLANGE SHALL BE JOINED TO THE SHAFT BY MEANS OF CONTINUOUS WELD EXTERNALLY AND INTERNALLY.

BASE COVER:

PROVIDE BOLT COVERS OF ALUMINUM ALLOY 43 AND STAINLESS STEEL SCREWS FOR ATTACHMENT.

MISCELLANEOUS HARDWARE:

ALL NUTS, BOLTS, AND WASHERS USED IN THE FABRICATION OF THE POLE SHALL BE GRADE 18-8 STAINLESS STEEL EXCEPT FOR ANCHORAGE HARDWARE.

WRAPPING:

EACH POLE SHAFT SHALL BE WRAPPED WITH PROTECTIVE PAPER SECURED IN PLACE. ALL PARTS SHALL BE BOXED AND/OR BANDED.

POLE SHAFT:

THE SHAFT SHALL BE ONE-PIECE SEAMLESS WITH A MINIMUM WALL THICKNESS OF 0.156 INCHES, ROUND TAPERED TUBE OF ALLOY 6063 AND SHALL BE FULL-LENGTH TEMPERED AFTER WELDING ON TOP BASE FLANGE TO PRODUCE THE T6 TEMPER. THE ENTIRE POLE ASSEMBLY SHALL BE RATED AT 90 MPH WITH A 30% GUST FACTOR FOR AN EPA. MINIMUM OF 2.7 TEMPLATE CUT FOR LUMINAIRE.

APPROVED MANUFACTURER:

HAPCO SERIES 52, LEXINGTON/VALMONT, OR APPROVED EQUAL

LIGHT POLE



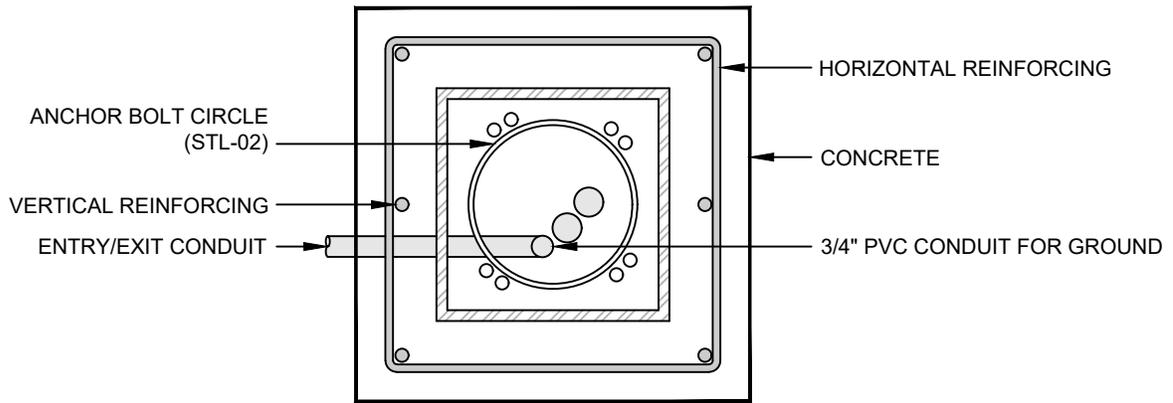
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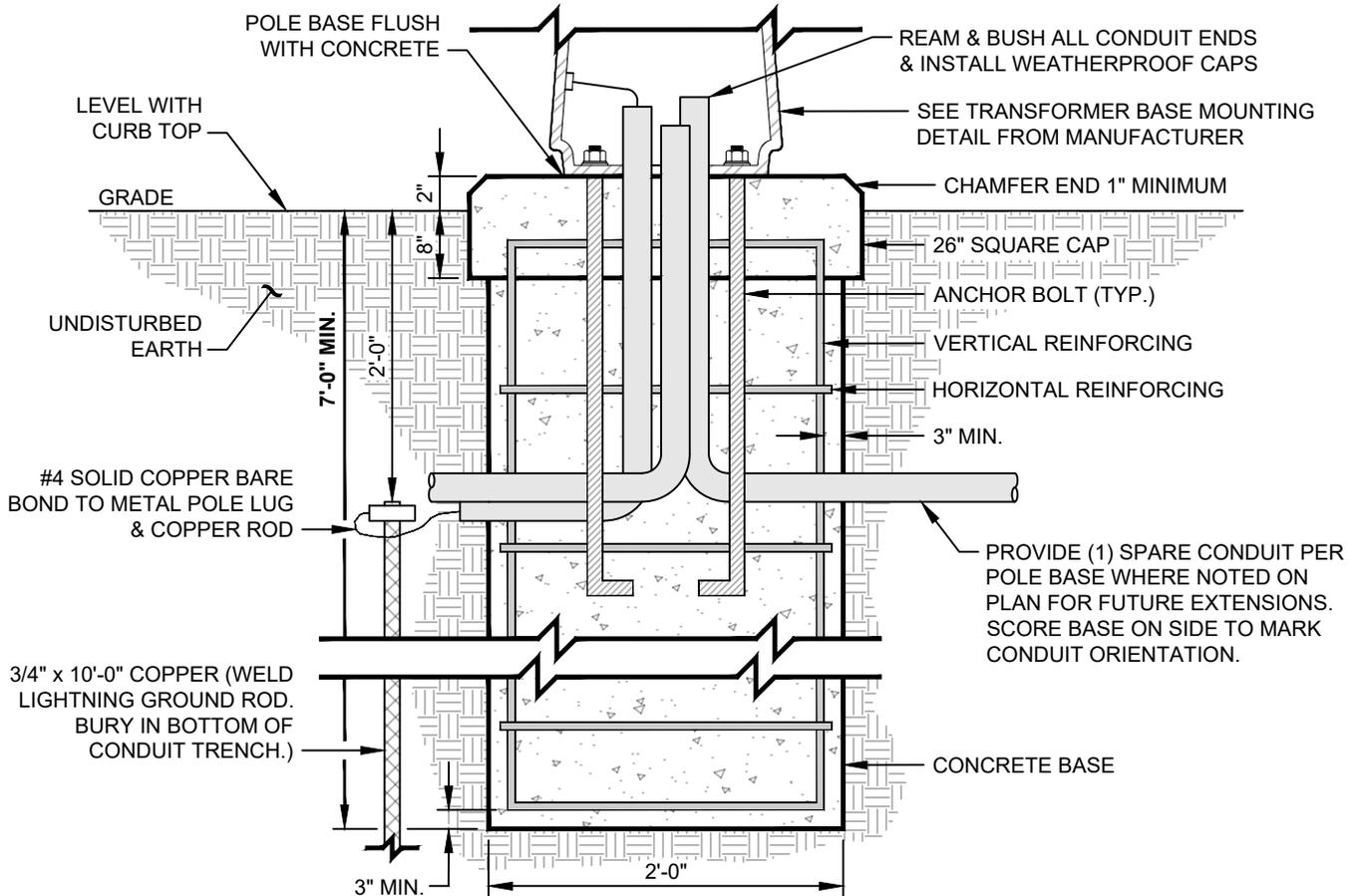
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TOP VIEW



PLAN VIEW

POLE FOUNDATION NOTES:

CONCRETE - COC 6 PER ITEM 499. FILL ALL EXPOSED SURFACE VOIDS. CHAMFER ALL EDGES, SLOPE TOP 1/4 INCH WITH GROUT TO DRAIN WATER (FILL VOID BETWEEN BASE PLATE & POLE BASE SOLID, AFTER PLUMBING POLE), ADJUST SO TRANSFORMER BASE HAS NO GAP TO GROUTED SURFACE. HOT OR COLD WEATHER - FOLLOW ODOT CONSTRUCTION & MATERIAL SPECIFICATIONS SECTION 625.

CONCRETE FINISH - REMOVE ALL FORM MARKS, HAND RUB EXPOSED TOP AND SIDES.

REINFORCING - ASTM A-615 GRADE 60, TYPE S DEFORMED BILLET: #6 VERTICALS, (6 TOTAL), #4 HORIZONTALS 12 INCHES O.C., CIRCULAR FORMED. WIRE TIE ALL CONNECTIONS, MAINTAIN 3 INCHES MINIMUM CONCRETE COVER.

GROUNDING - PROVIDE 3/4" x 10'-0" COPPER WELD ONE-PIECE GROUND ROD. DRIVE A MINIMUM OF 2 FEET BELOW GRADE. RUN #4 AWG SOLID COPPER GROUNDING ELECTRODE CONDUCTOR IN 3/4 INCH PVC CONDUIT FROM ROD TO ENCLOSURE GROUND BAR. "CAD" WELD WIRE CONNECTION AT ROD.

POLE FOUNDATION



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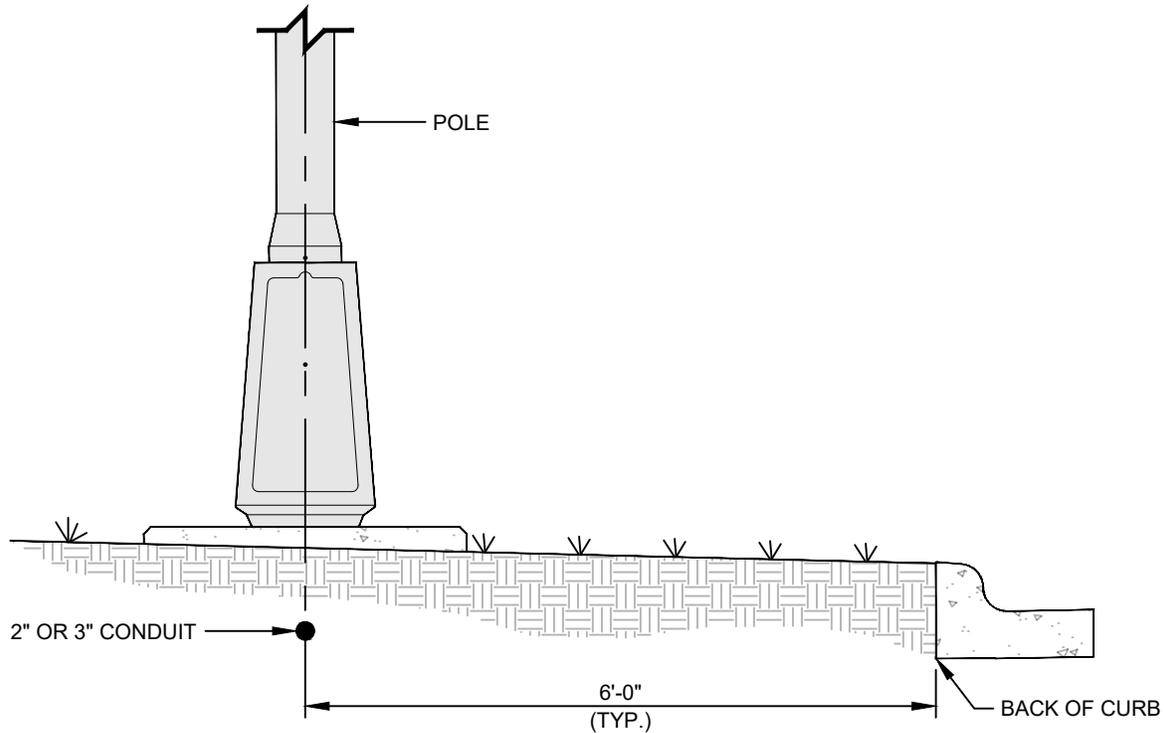
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TYPICAL FOUNDATION LOCATION

POLE FOUNDATION NOTES:

LUMINAIRE FUSING - REFER TO TRANSFORMER BASE DETAIL (STL-02).

GROUNDING LEG - REFER TO TRANSFORMER BASE DETAIL (STL-02).

ANCHORAGE - PROVIDE A SET OF FOUR - 50,000 PSI MINIMUM YIELD STEEL STRENGTH ANCHOR BOLTS, THREADED, HOT-DIPPED GALVANIZED AT THE THREADED END FOR AT LEAST 10 INCHES. THREADING MUST BE A MINIMUM OF 6 INCHES LONG. THE BOLTS SHALL BE 36 INCHES LONG AND INCLUDE A 4 INCH MINIMUM RIGHT ANGLE HOOK AT THE UNTHREADED END. PROVIDE GALVANIZED NUT, LOCKWASHERS AND FLATWASHERS FOR EACH BOLT.

GROUT - 10,000 PSI, HIGH STRENGTH, NON-SHRINK, NON-METALLIC, COMPLY WITH CRD-C-621, PROVIDE SAND COAT FINISH (SONNOGROUT OR APPROVED EQUAL).

FIELD CONDITIONS - CONSULT ENGINEER FOR ABNORMAL SOIL CONDITIONS; SILTS AND CLAY WITH WATER LIMITS GREATER THAN 50%, HIGH ORGANIC SOILS, SHALLOW BEDROCK, ETC.

CONDUIT - SHALL BE 2 INCH OR 3 INCH DIAMETER. RIGID NON-METALLIC SCHEDULE 40 PVC FOR USE ABOVE AND BELOW GROUND OR CONCRETE ENCASED. RATED FOR 90 DEGREES CELSIUS CONDUCTORS AND USE IN DIRECT SUNLIGHT. MATERIAL SHALL BE UL LISTED AND COMPLY WITH NEMA TC2-1978 AND F.S. #WC-1094A. PROVIDE IN 10 FOOT SECTIONS. SEAL ALL JOINTS WATERTIGHT. GLUE JOINTS WITH PVC CEMENT. BUSH ALL ENDS. ALL BENDS SHALL USE LONG RADIUS PREFORMED ELBOWS. EXTEND CONDUIT A MINIMUM OF 2 FEET BELOW GRADE. LOCATION TO BE COORDINATED WITH LANDSCAPING AND UTILITIES. ALL BENDS SHALL HAVE A MINIMUM RADIUS OF 36 INCHES.

IF UNIT TYPE DUCT CABLE IS UTILIZED IN TRENCHES IN LIEU OF PVC CONDUIT AT POLE FOUNDATIONS AND RETAIN THE PVC CONDUIT SPECIFIED ABOVE, IT SHALL FUNCTION AS A SLEEVE FOR THE DUCT CABLE. OVERSIZE PVC CONDUIT EITHER 2 1/2 OR 3 INCHES AS REQUIRED BASED ON DUCT CABLE OUTSIDE DIAMETER.

CONDUIT CAPS - TERMINAL POINTS OF ALL CONDUIT AND DUCT CABLE SHALL BE SEALED PROMPTLY AFTER INSTALLATION BY MEANS OF A MOLDED PLASTIC OR RUBBER CAPPING DEVICE THAT ONLY PERMITS WIRE PASS THROUGH.

POLE FOUNDATION



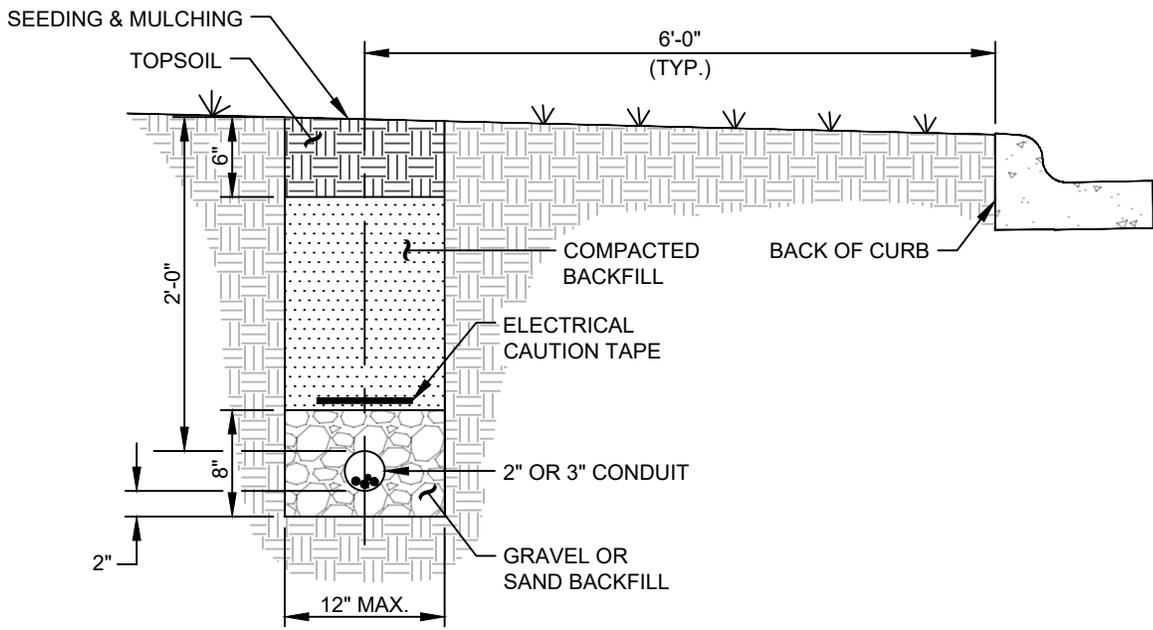
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TRENCH NOTES:

TRENCHING - CONDUIT TRENCHES SHALL HAVE VERTICAL WALLS AND BE EXCAVATED TO A DEPTH THAT PERMITS CONDUIT TO BE PLACED AT 2 FEET BELOW FINISH GRADE WITH A GRAVEL OR SAND COVER, ABOVE AND BELOW. COMPACTED BACKFILL TO TOPSOIL LIMIT. TRENCHES SHALL BE LOCATED ADJACENT TO AND PARALLEL WITH CURBS OR PAVEMENTS AND SHALL NOT DEVIATE MORE THAN 6 INCHES FROM THE LINES DESIGNATED. TRENCHES SHALL NOT EXCEED 12 INCHES IN WIDTH. REMOVE EXCESS SOIL AFTER BACKFILLING.

GRAVEL - SHALL BE UNCRUSHED WASHED GRAVEL AND PASS A 1/2 INCH SIEVE. POUR IN PLACE AND COMPACT TO 95% STANDARD PROCTOR IN LAYERS NOT EXCEEDING 6 INCHES EACH.

TOPSOIL - SHALL BE CLEAN, LOOSE FRIABLE, LOAMY TOPSOIL FREE OF SUBSOIL OR REFUSE. TOPSOIL MAY BE FROM THE SITE OR IMPORTED. TOPSOIL SHALL BE PLACED AND SPREAD OVER THE AREAS DESIGNATED TO A DEPTH SUFFICIENTLY GREATER THAN THAT SHOWN SO THAT AFTER NATURAL SETTLEMENT THE COMPLETED WORK WILL CONFORM TO THE ELEVATIONS SHOWN.

CONDUIT - SHALL BE HEAVY WALL RIGID NON-METALLIC SCHEDULE 80 PVC FOR USE ABOVE AND BELOW GROUND OR CONCRETE ENCASED. RATED FOR 90 DEGREES CELSIUS CONDUCTORS AND USE IN DIRECT SUNLIGHT. MATERIAL SHALL BE UL LISTED AND COMPLY WITH NEMA TC2-1978 AND F.S. #WC-1094A. PROVIDE IN 10 FOOT SECTIONS. SEAL ALL JOINTS WATERTIGHT. GLUE JOINTS WITH PVC CEMENT. BUSH ALL ENDS. ALL BENDS SHALL HAVE A MINIMUM RADIUS OF 36 INCHES.

CONDUIT CAPS - PROVIDE MOLDED PLASTIC OR RUBBER CAPPING DEVICE THAT ONLY PERMITS WIRE TO PASS THROUGH WHILE PREVENTING DIRT, WATER, ETC. FROM ENTERING.

PULL WIRE - ALL EMPTY CONDUIT INSTALLED FOR FUTURE LIGHTING SHALL CONTAIN A NO. 10 AWG COPPER-CLAD OR ALUMINUM-CLAD PULL WIRE.

WIRING - DISTRIBUTION CABLE SHALL BE #4 AWG XHHW (WET RATED) STRANDED COPPER 600V, 90 DEGREES CELSIUS CONDUCTORS. SYSTEM GROUND CABLE SHALL BE #4 AWG FOR POLE TO POLE APPLICATIONS.

METALIZED CAUTION TAPE - 3 INCHES (79mm) WIDE RED PLASTIC TAPE WITH BLACK LETTERS READING "CAUTION BURIED ELECTRIC LINE BELOW". BURY ABOVE CONDUIT 6 INCHES (158mm) MAXIMUM. RUN CONTINUOUS IN ALL TRENCHES NOT COVERED BY PAVEMENT.

SPLICING - NO SPLICING OF DISTRIBUTION CABLE LESS THAN 500 FEET IN LENGTH.

LIGHTING CONDUIT TRENCH DETAIL



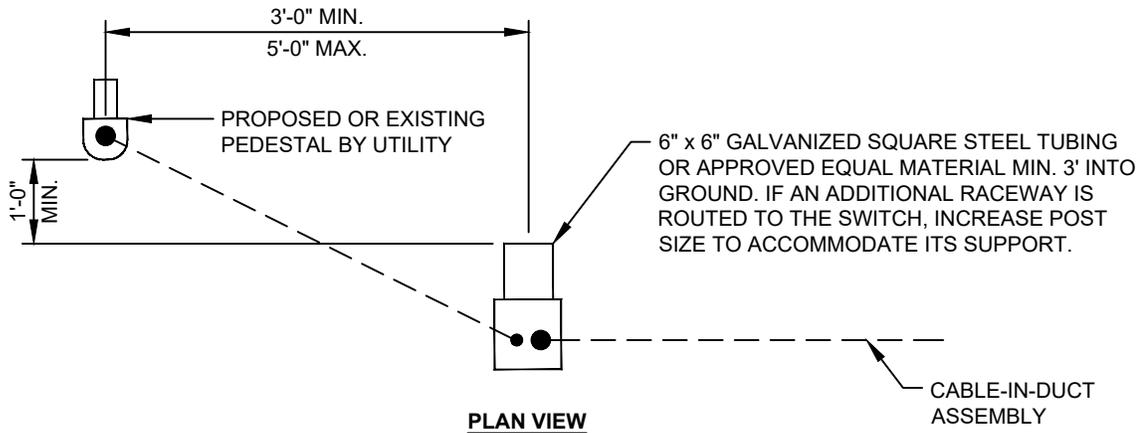
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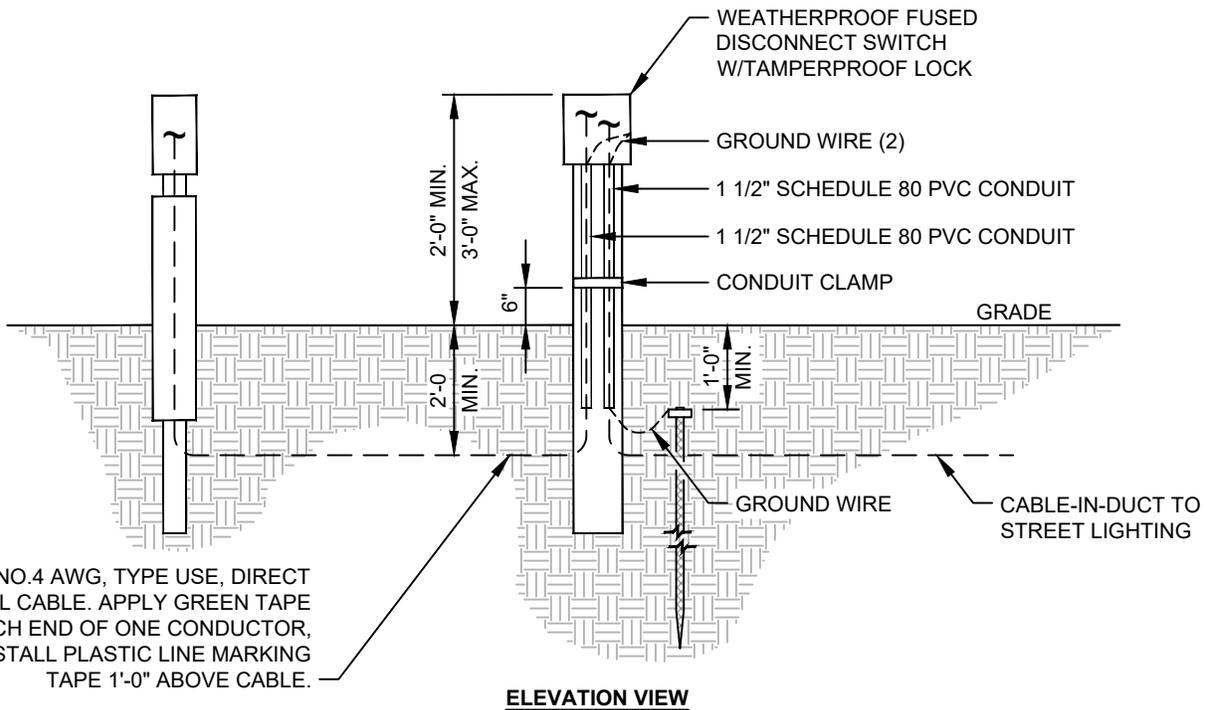
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PLAN VIEW



ELEVATION VIEW

3/C, NO.4 AWG, TYPE USE, DIRECT BURIAL CABLE. APPLY GREEN TAPE AT EACH END OF ONE CONDUCTOR, INSTALL PLASTIC LINE MARKING TAPE 1'-0" ABOVE CABLE.

QUICK DISCONNECT NOTES:

1. ATTACH NO.4 CONDUCTORS TO LOAD TERMINALS VIA SHORT LENGTHS OF NO.8 CONDUCTORS & APPROPRIATE COMPRESSION CABLE JOINT.
2. NO MORE THAN TWO NO.4 CONDUCTORS SHALL BE CONNECTED TO EACH NO.8 CONDUCTOR.
3. THE CIRCUIT DISCONNECT SHALL BE A GENERAL DUTY, FUSIBLE TYPE SWITCH IN A NEMA NO. 4/4X ENCLOSURE.
 - A. MANUFACTURER: THE SWITCH SHALL BE GENERAL ELECTRIC NO. TH3221SS.
 - B. SWITCH RATING: THE SWITCH SHALL BE RATED AT 30 AMPS, 240 VOLTS, 3 POLE.
 - C. FUSES: FUSES SHALL BE UL CLASS RK-1, REJECTION TYPE.
 - D. LOCKS: EACH SWITCH SHALL BE LOCKABLE AND SHALL BE PROVIDED WITH A FARGO NO. GM-303 TAMPERPROOF LOCK WITH SHEAR OFF LOCKING SCREW.

QUICK DISCONNECT

	STANDARD DRAWING:
	STL-06
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SAMPLE LIGHTING SCHEDULE

ITEM	DESCRIPTION	TOTAL	UNIT
625	CONNECTOR KIT, TYPE II, FUSED (1 PER POLE)		EA
625	CONNECTOR KIT, TYPE III, UNFUSED (2 PER POLE)		EA
625	TRANSFORMER BASE		EA
625	LIGHT POLE, 35'-0", GENERAL STREET LIGHT		EA
625	LIGHT POLE FOUNDATION, 24" x 7", A.P.P.		EA
625	POLE AND BRACKET CABLE (#12 AWG, 600V)		LF
625	DISTRIBUTION CABLE (#4 AWG, 600V)		LF
625	GROUND CONDUCTOR (#4 AWG, SOLID, CU, XHHW)		LF
625	CONDUIT, 2" TO 3" PVC, 725.05 (PVC SCH.80)		LF
625	LUMINAIRE: 100 LED, TYPE III MEDIUM, 120 V		EA
625	TRENCH		LF
625	PULL BOX, 725.06 (18" x 11" x 18")		EA
625	GROUND ROD		EA
625	PLASTIC, METALIZED CAUTION TAPE		LF
625	HIGH VOLTAGE TEST, APP		LUMP

SAMPLE LIGHTING QUANTITIES SCHEDULE



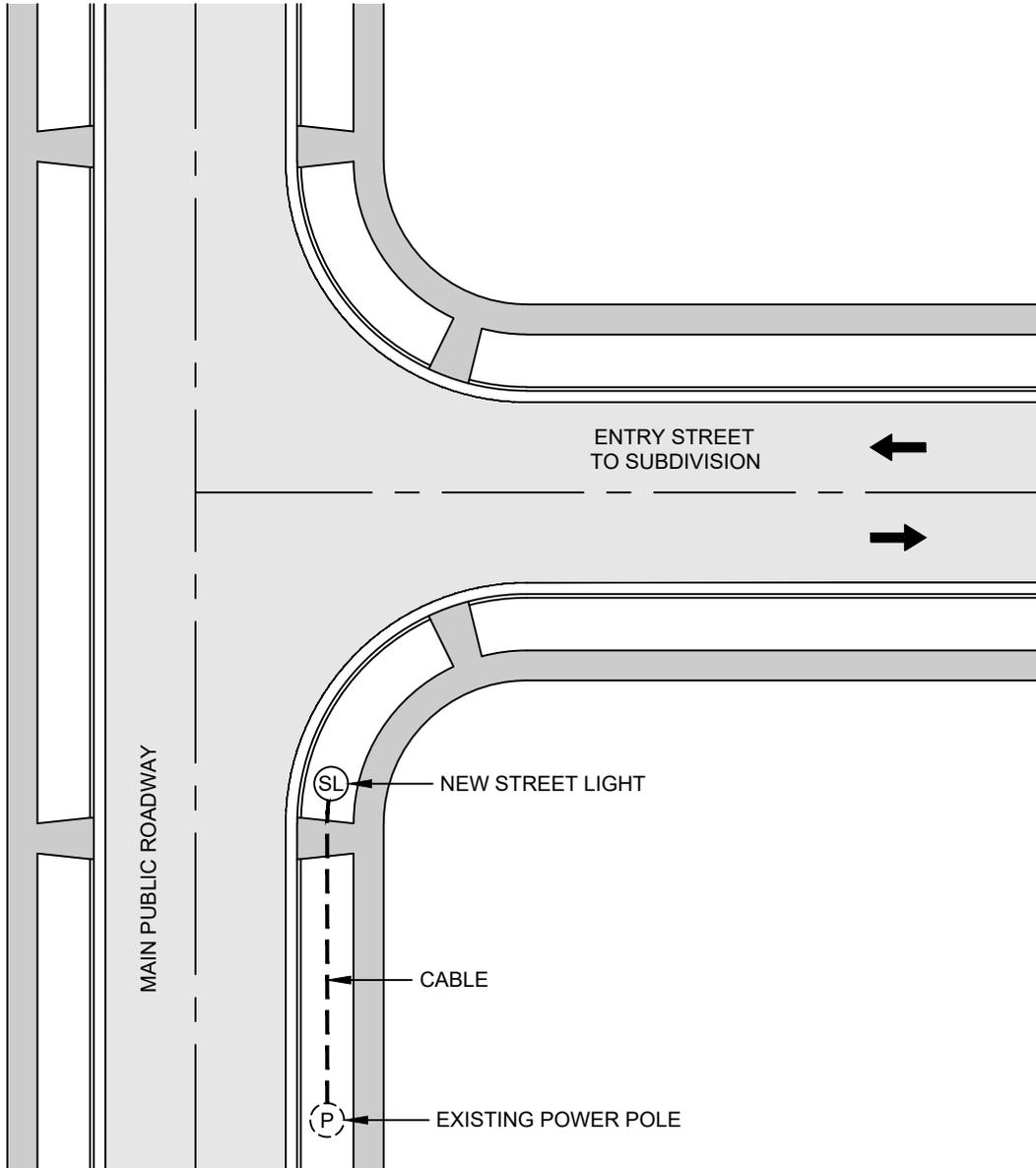
STANDARD
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STL-07

REVISED: 01/01/26

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STREET LIGHT LOCATION NOTES:

FIELD LOCATION OF STREET LIGHT(S) TO BE APPROVED BY DIVISION OF ENGINEERING PRIOR TO PLACEMENT OF LIGHT POLE FOUNDATION.

DISCONNECT TO BE PLACED WITHIN 5 FEET OF EXISTING POWER SOURCE.

ELECTRICAL PERMIT AND INSPECTION BY CITY OF DUBLIN IS REQUIRED.

**STREET LIGHT
LOCATION**



STANDARD
DRAWING:

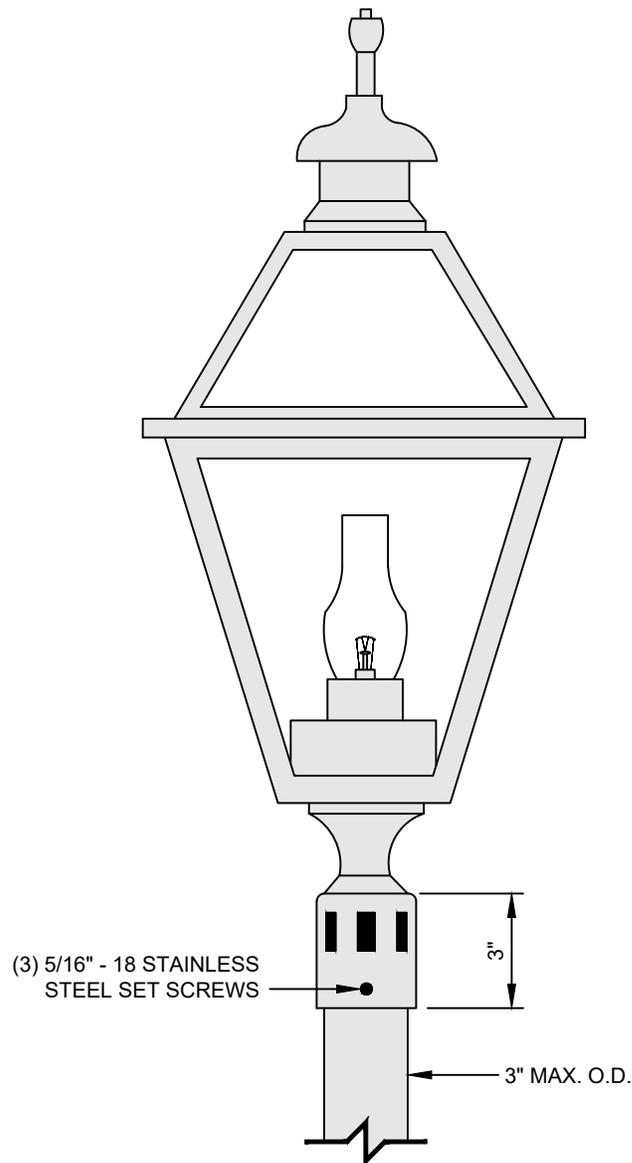
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DECORATIVE LUMINAIRE NOTES:

THIS LUMINAIRE TO BE USED ONLY IN APPROVED LOCATIONS.

TELENSA PLANET DIMMING SYSTEM EQUIPMENT SHALL BE INCLUDED FOR EACH LIGHTING FIXTURE ON HIGH STREET AND BRIDGE STREET WITHIN THE HISTORIC DISTRICT. TELENSA EQUIPMENT INCLUDES ONE TELECELL (MODEL #T2A1U-G-3) WITH ASSOCIATED ANTENNA (MODEL #ANT-S-EF-M) FOR EACH FIXTURE.

GENERAL DESCRIPTION - 66 WATT LED ARRAY, 4500K COLOR TEMPERATURE, IES, HINGED ROOF WITH SOLID SEALED PANELS.

HOUSING - 356 LOW COPPER - DIE CAST ALUMINUM ALLOY. THE PAINT SHALL BE A POWDER COAT BLACK FINISH APPROVED BY CITY ENGINEER. TOOL-LESS LAMP ACCESS AND HINGED ROOF WITH STAINLESS STEEL SPRING LATCH. THE PHOTO CONTROL EYE IS LOCATED IN VENT CAP. SLIP FITTER DIMENSIONS: 3" I.D. x 3" DEEP.

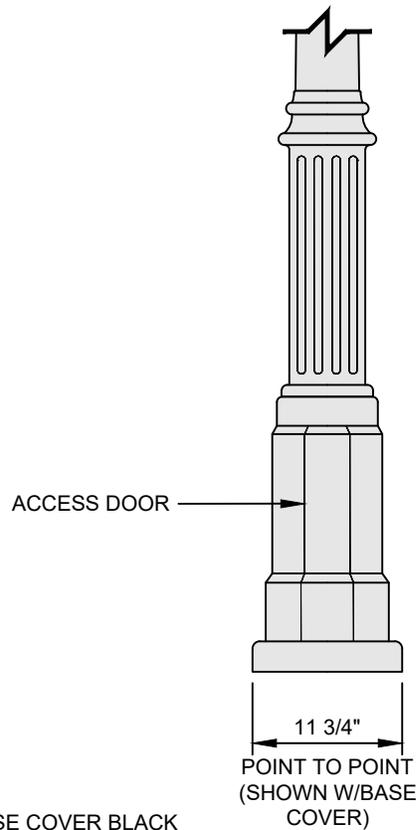
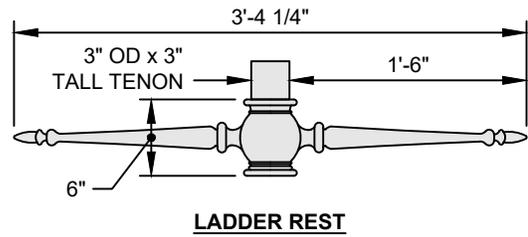
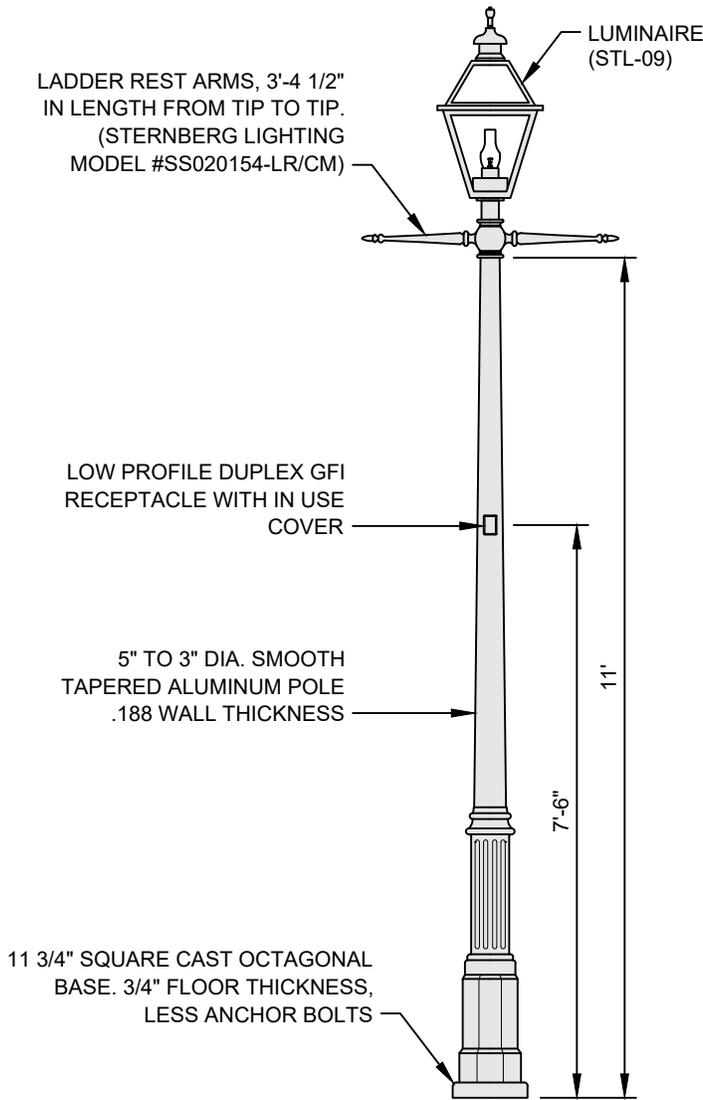
OPTICAL ASSEMBLY - TYPE III CUTOFF PRECISION FORMED, SEGMENTED SPECULAR ALUMINUM INTERNAL CUTOFF REFLECTOR WITH HORIZONTAL LAMP MOUNTING. DECORATIVE FROSTED GLASS CHIMNEY. INJECTED MOLDED CLEAR ACRYLIC PANELS WITH TOOL-LESS REMOVAL.

LABELING - UL LISTED FOR WET LOCATION AND CSA CERTIFIED.

APPROVED MANUFACTURER -

STERNBERG 1843 LEDTF/4ARC45T3/ML/OSFG11W35KLED/CSA/BK
 STERNBERG 1843 LEDTF/4ARC45T5/ML/OSFG11W35KLED/CSA/BK

DECORATIVE LUMINAIRE	
 <p>City of Dublin OHIO, USA</p>	STANDARD DRAWING: STL-09
	REVISED: 01/01/26
SHEET	1/1



DECORATIVE LIGHT POLE NOTES:

TYPE A - SINGLE HEAD LUMINAIRE WITH LADDER REST

GENERAL DESCRIPTION - ALUMINUM ROUND TAPERED WITH BASE COVER BLACK FINISH APPROVED BY THE CITY ENGINEER.

BASE - SHALL BE LOW COPPER CAST ALUMINUM 356 HM HIGH STRENGTH ALLOY. BASE WILL INCLUDE AN ACCESS DOOR WITH SAFETY CHAIN AND TAMPER PROOF SCREWS AND GFI RECEPTACLE.

POLE SHAFT -THE SHAFT SHALL BE ONE PIECE SEAMLESS WITH A MINIMUM WALL THICKNESS OF 0.188 INCHES, ROUND 5 INCHES TO 3 INCHES TAPERED TUBE OF LOW COPPER 6063 ALUMINUM ALLOY. POLE ASSEMBLY SHALL HAVE AN EPA VALUE OF 8.54 FOR WIND SPEED OF 80 MPH.

WRAPPING - EACH POLE SHAFT SHALL BE WRAPPED WITH PROTECTIVE PAPER SECURED IN PLACE. ALL PARTS SHALL BE BOXED AND/OR BANDED.

LADDER REST - SHALL BE LOW COPPER CAST ALUMINUM 356 HM HIGH STRENGTH ALLOY WITH POWDER COAT BLACK FINISH.

POLE APPROVED MANUFACTURER - STERNBERG LIGHTING DECORATIVE POLE MODEL #3711T53-188-GFI LPIUC/CM OR APPROVED EQUAL.

LADDER REST APPROVED MANUFACTURER - SSP20154-LR/CM OR APPROVED EQUAL.

DECORATIVE LIGHT POLE - SINGLE HEAD



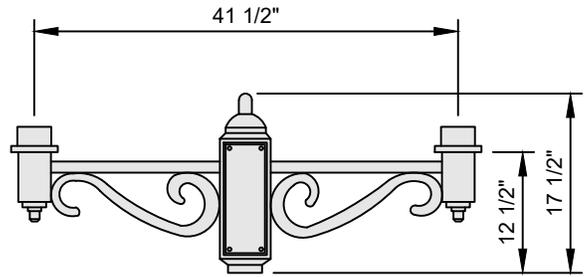
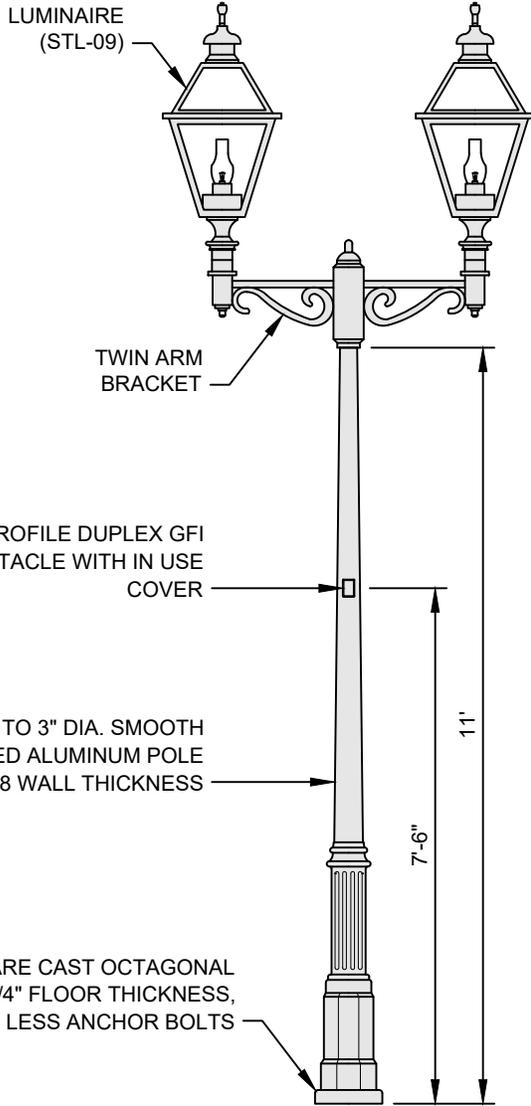
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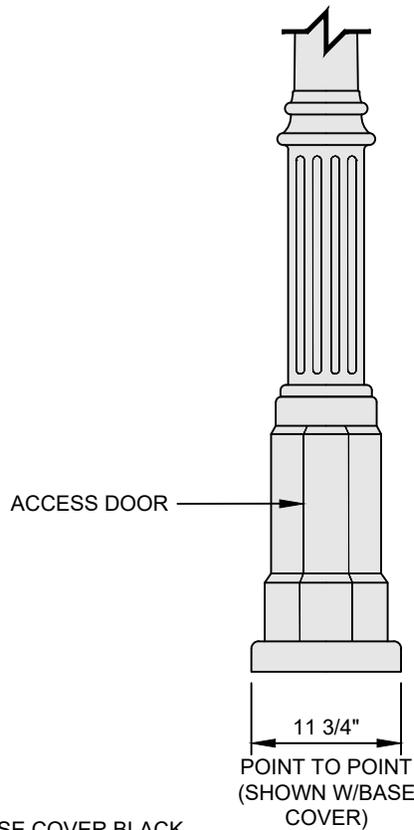
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TWIN ARM BRACKET



DECORATIVE LIGHT POLE NOTES:

TO BE USED ONLY IN APPROVED LOCATIONS.

TYPE B - TWIN HEAD LUMINAIRE

GENERAL DESCRIPTION - ALUMINUM ROUND TAPERED WITH BASE COVER BLACK FINISH APPROVED BY CITY ENGINEER.

BASE - SHALL BE LOW COPPER CAST ALUMINUM 356 HM HIGH STRENGTH ALLOY. BASE WILL INCLUDE AN ACCESS DOOR WITH SAFETY CHAIN AND TAMPER PROOF SCREWS AND GFI RECEPTACLE.

POLE SHAFT -THE SHAFT SHALL BE ONE PIECE SEAMLESS WITH A MINIMUM WALL THICKNESS OF 0.188 INCHES, ROUND 5 INCHES TO 3 INCHES TAPERED TUBE OF LOW COPPER 6063 ALUMINUM ALLOY. POLE ASSEMBLY SHALL HAVE AN EPA VALUE OF 8.54 FOR WIND SPEED OF 80 MPH.

WRAPPING - EACH POLE SHAFT SHALL BE WRAPPED WITH PROTECTIVE PAPER SECURED IN PLACE. ALL PARTS SHALL BE BOXED AND/OR BANDED.

TWIN ARM BRACKET - SHALL BE LOW COPPER CAST ALUMINUM 356 HM HIGH STRENGTH ALLOY WITH CENTER HUB TO ACCOMMODATE 3 INCH POLE TOP.

POLE APPROVED MANUFACTURER - STERNBERG LIGHTING DECORATIVE POLE MODEL #3711T53-188-GFI LPIUC/CM OR APPROVED EQUAL.

TWIN ARM APPROVED MANUFACTURER - HADCO PTH2120-P3A OR APPROVED EQUAL.

DECORATIVE LIGHT POLE - DOUBLE HEAD



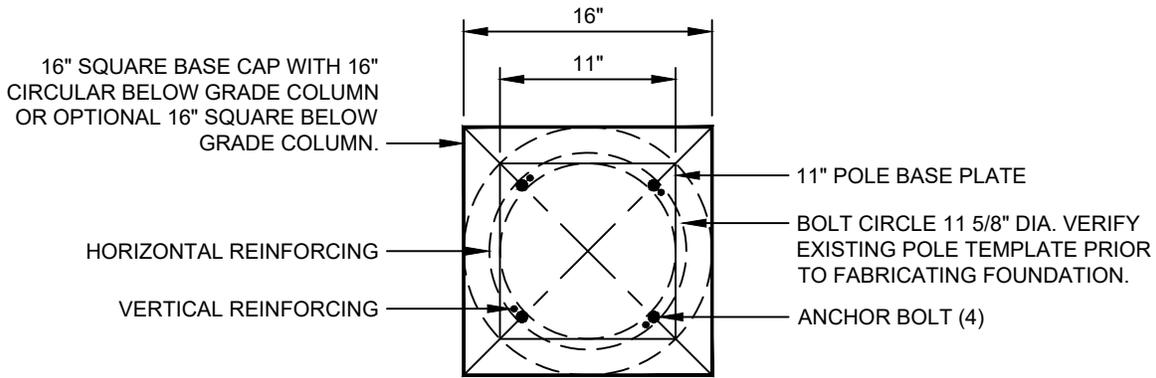
STANDARD DRAWING:

STL-11

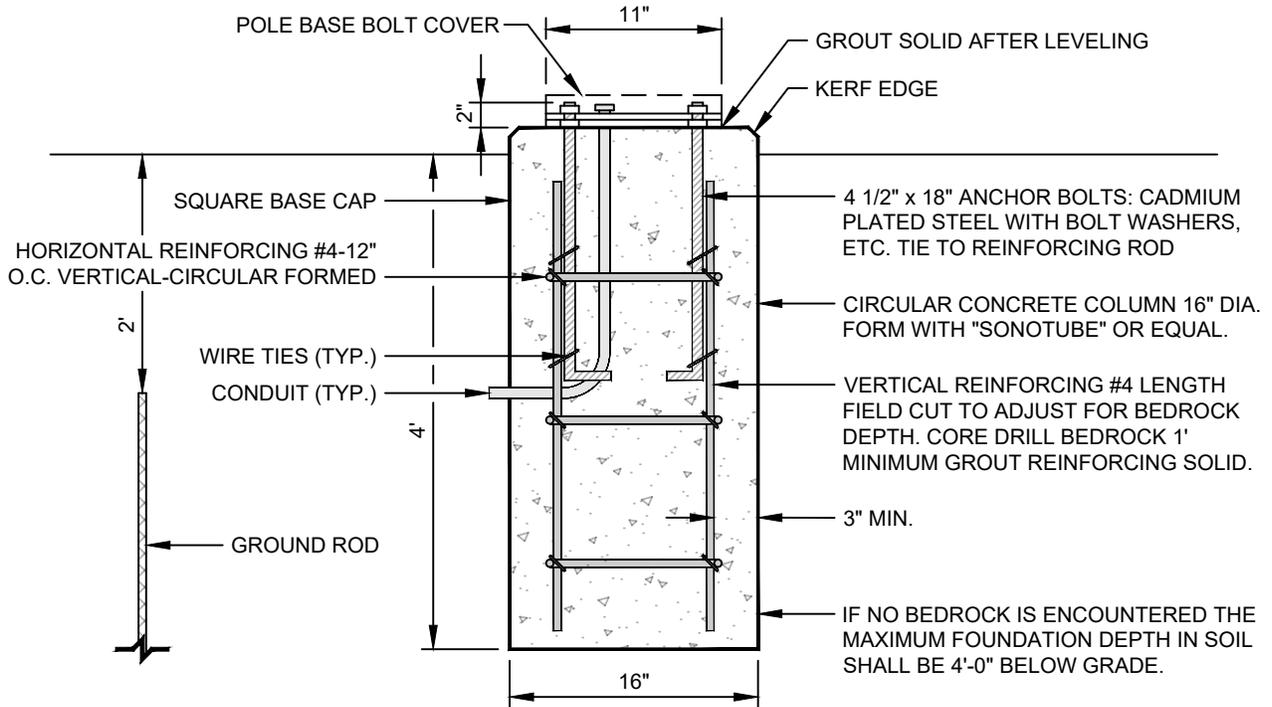
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TOP VIEW



PLAN VIEW

DECORATIVE LIGHT POLE FOUNDATION NOTES:

CONCRETE - COC 6, 4,000 PSI, 5-7% AIR ENTRAINED. FILL ALL EXPOSED SURFACE VOIDS. CHAMFER ALL EDGES, SLOPE TO 1/4 INCH WITH GROUT TO DRAIN WATER (FILL VOID BETWEEN BASE PLATE & POLE BASE SOLID, AFTER PLUMBING POLE), ADJUST SO BASE HAS NO GAP TO GROUTED SURFACE. HOT OR COLD WEATHER - FOLLOW ODOT CONSTRUCTION & MATERIAL SPECIFICATIONS SECTION 625.

CONCRETE FINISH - REMOVE ALL FORM MARKS, HAND RUB EXPOSED TOP AND SIDES WITH CARBIDE STONE.

REINFORCING - ASTM A-615 GRADE 60, TYPE S DEFORMED BILLET: #4 VERTICALS, 4 TOTAL, #4 HORIZONTALS 12 INCHES O.C., CIRCULAR FORMED. WIRE TIE ALL CONNECTIONS. MAINTAIN 3 INCHES MINIMUM CONCRETE COVER ON ALL REINFORCING.

WEATHERPROOFING - PROVIDE PENETRATING SURFACE APPLIED, 1 COAT CONCRETE WATERPROOFING AGENT. MATERIAL SHALL BE CLEAR PENETRATING, WATER BASED, ALKYLALKOXY SILANE AND AND CONTAIN A MINIMUM OF 40% BY WEIGHT SOLIDS AND BE APPLIED PER MANUFACTURER'S DIRECTIONS. APPLY 1 COAT TO ALL CONCRETE SURFACES ABOVE GRADE TO 12 INCHES BELOW GRADE PRIOR TO BACKFILLING.

GROUNDING - PROVIDE 5/8" x 10' COPPER WELD ONE-PIECE GROUND ROD. DRIVE A MINIMUM OF 2 FEET BELOW GRADE. RUN #4 AWG SOLID COPPER GROUNDING ELECTRODE CONDUCTOR IN 3/4 INCH PVC CONDUIT FROM ROD TO ENCLOSURE GROUND BAR. "CAD" WELD WIRE CONNECTION AT ROD.

**DECORATIVE
LIGHT POLE
FOUNDATION**



STANDARD
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STL-12

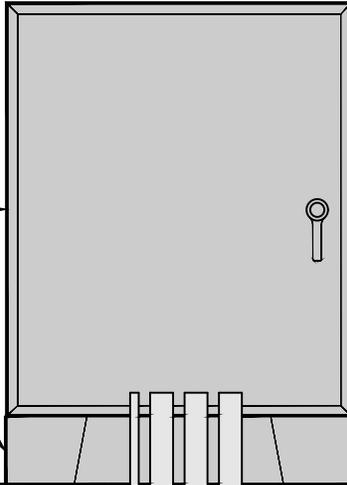
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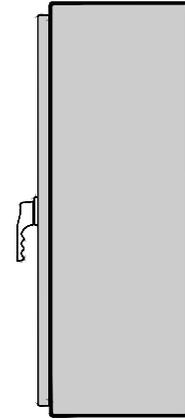
TOP VIEW



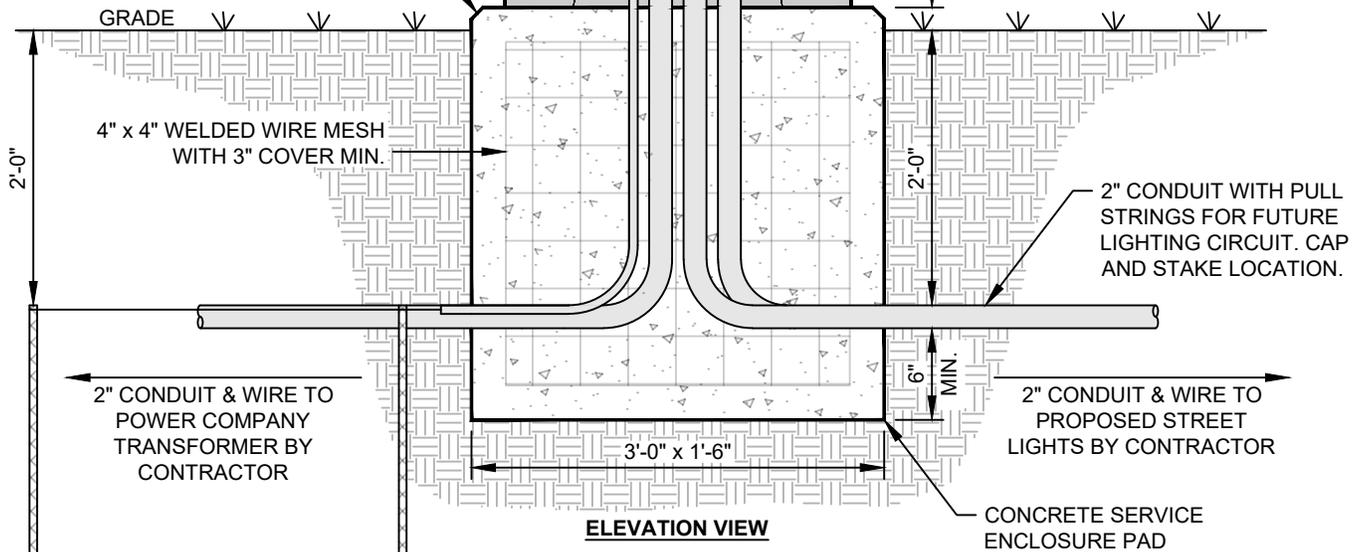
SERVICE ENCLOSURE -
HOFFMAN #A36H3012SSLP3PT
OR APPROVED EQUAL

FLOOR STAND KIT - HOFFMAN
#AFK0612 OR APPROVED EQUAL

1" CHAMFER



SIDE VIEW



LIGHTING CONTROLLER

STANDARD
DRAWING:

STL-13

REVISED: 01/01/26

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LIGHTING CONTROLLER NOTE:

ENCLOSURE SHOWN IS TO BE CONSIDERED STANDARD. IF ENCLOSURE IS TOO LARGE FOR APPLICATION, DESIGNER TO PROPOSE ALTERNATE SIZE TO BE REVIEWED AND APPROVED BY CITY ENGINEER.



LIGHTING CONTROLLER NOTES:

COORDINATION - COORDINATE LOCATION OF TRANSFORMER AND PAD GRADING WITH AEP AND CITY ENGINEER.

SERVICE TRANSFORMER - PROVIDED, INSTALLED AND WIRED BY AEP.

TRANSFORMER PAD GRADING - INSTALL PER AEP REQUIREMENTS FOR SIZE AND LOCATION. REFER TO SERVICE ENCLOSURE PAD FOR MATERIAL SPECIFICATIONS.

SERVICE ENCLOSURE PAD - STRUCTURE SHALL BE SET CLOSE TO THE AEP POWER COMPANY TRANSFORMER PAD. LOCATION OF THE TRANSFORMER PAD IN RELATIONSHIP TO THE ENCLOSURE PAD SHALL BE COORDINATED WITH THE CITY ENGINEER. CONCRETE SHALL BE COC 6. FILL ALL EXPOSED SURFACE VOIDS. CHAMFER ALL EDGES 3/4 INCH OR 1 INCH. SLOPE TOP 1/4 INCH TO DRAIN WATER. FINISH - REMOVE ALL FORM MARKS, PROVIDE FLOATED AND STEEL TROWELED FINISH.

SERVICE ENCLOSURE - PROVIDE A NEMA WATERTIGHT STAINLESS STEEL ENCLOSURE. SIZE - 36"(H) x 30"(W) x 12"(D); HAVING A SINGLE CONTINUOUS HINGED LOCKING DOOR, INTERIOR MOUNTING PANEL WITH A 6 INCHES MINIMUM STAINLESS STEEL MATCHING FLOOR STAND. CONCRETE AND OR BOLT TYPE ANCHOR AND LEVEL TO PAD VIA STAINLESS STEEL MACHINE BOLT, NUTS & LOCK WASHERS. DRILL BOTTOM OF ENCLOSURE WITH 6mm (1/4 INCH) WEEP HOLE AT LOW POINT. CONCRETE PAD SHALL NOT EXTEND ABOVE PROPOSED GRADE MORE THAN 2 INCHES.

SERVICE ENCLOSURE FINISH - A DARK BRONZE APPROVED BY THE CITY ENGINEER. THE PAINT SHALL BE A POWDER PAINT FINISHED TO A GLOSS OF 35% (AT 60 DEGREES).

SERVICE ENCLOSURE LOCK - THREE POINT MECHANISM WITH LOCKABLE HANDLE. PADLOCK PROVIDED BY THE CITY.

PHOTOCELL CONTROLLER - PROVIDE AN ON/OFF PHOTO INITIATED CONTROLLER WITH SEALED CADMIUM SULFIDE PHOTOCELL TO OPERATE IN - 40 DEGREES F TO +140 DEGREES F TEMPERATURES, THERMAL INERTIA OF 30 SECONDS MINIMUM, THREADED PIPE NIPPLE, RATED 16 AMPS 2000 WATTS AT 120V, AND SINGLE POLE SINGLE THROW SWITCH. LIGHT SHALL BE IN THE RANGE OF 1-5 FOOT CANDLES FOR TURN ON AND IN THE RANGE OF 3-10 FOOT CANDLES FOR TURN OFF. PROVIDE IN WEATHERPROOF ENCLOSURE. LOAD SHALL REMAIN "ON" IN CASE OF CELL FAILURE. MOUNT ON THE SERVICE ENCLOSURE - PREFERRED LOCATION IS ON THE NORTH SIDE OF THE ENCLOSURE - IF THE DOOR IS ON THE NORTH SIDE, MOUNT THE PHOTOCELL ON THE LEFT SIDE OF THE ENCLOSURE FROM THE DOOR.

APPROVED MANUFACTURER - TORK PHOTOCONTROLS MODEL 300

GROUNDING - PROVIDE TWO (2) 3/4" x 10' COPPER WELD ONE PIECE GROUND RODS. DRIVE A MINIMUM OF 2 FEET BELOW GRADE. PROVIDE #8 AWG SOLID COPPER GROUNDING ELECTRODE CONDUCTOR IN 3/4 INCH PVC CONDUIT FROM ROD TO ENCLOSURE GROUND BAR. CAD WELD WIRE CONNECTION TO ROD. INSTALL SECOND GROUND ROD A MINIMUM OF 6 FEET FROM THE FIRST GROUND ROD AND RUN #8 AWG SOLID COPPER GROUNDING ELECTRODE CONDUCTOR BETWEEN THE GROUND RODS & CADWELD AT BOTH ENDS.

FUSING - SERVICE ENTRANCE - PROVIDE DUAL ELEMENT, TIME DELAY FUSES, UL CLASS RK-1, 600 V, REJECTION TYPE.

APPROVED MANUFACTURER - BUSS #LP-RK

CONTROL CIRCUIT - PROVIDE SINGLE ELEMENT, FAST ACTING TYPE FUSE, UL CLASS CC, 120 V, REJECTION TYPE.

APPROVED MANUFACTURER - BUSS #KTK-R

CONDUIT - SHALL BE HEAVY WALL 2 INCHES OR 3/4 INCH PER GRAPHIC. RIGID NON METALLIC SCHEDULE 40 PVC FOR USE ABOVE AND BELOW GROUND OR CONCRETE ENCASE. RATED FOR 90 DEGREES CELSIUS CONDUCTORS AND USE IN DIRECT SUNLIGHT. MATERIAL SHALL BE UL LISTED AND COMPLY WITH NEMA TC2-1978 AND F.S. #WC-1094A. PROVIDE IN 10 FOOT SECTIONS. SEAL ALL JOINTS WATERTIGHT. GLUE JOINTS WITH PVC CEMENT AND BUSH ALL ENDS. ALL BENDS SHALL USE LONG RADIUS PRE FORMED ELBOWS. EXTEND CONDUIT TO MINIMUM 2 FEET BELOW GRADE. LOCATION TO BE COORDINATED WITH LANDSCAPING AND UTILITIES.

IF UNIT TYPE DUCT CABLE IS UTILIZED IN TRENCHES IN LIEU OF PVC CONDUIT, AT POLE FOUNDATIONS RETAIN THE PVC CONDUIT SPECIFIED ABOVE IT SHALL FUNCTION AS A SLEEVE FOR THE DUCT CABLE. OVERSIZE PVC CONDUIT EITHER 2 1/2 INCHES OR 3 INCHES AS REQUIRED BASED ON DUCT CABLE OUTSIDE DIAMETER.

WIRING - REFER TO GENERAL SPECIFICATIONS.

LIGHTING CONTROLLER - A CLASS R FUSIBLE COMBINATION LIGHTING CONTACTOR TYPE CONTROLLER ASSEMBLY RATED 600V, 60A-2P, 60HZ WITH SOLID NEUTRAL, ELECTRICALLY HELD WITH CONTROL FUSE, 120V CONTROL VOLTAGE 3 POSITION HAND - OFF - AUTO SELECTOR SWITCH AND PHOTOCELL CONTROL. MOUNT ALL DEVICES IN A SERVICE ENCLOSURE LESS PHOTO CONTROL.

APPROVED MANUFACTURER - SQUARE "D" NIGHT-MASTER SPC-61 (OR APPROVED EQUAL)

LIGHTING CONTROLLER	
	STANDARD DRAWING: STL-13
	REVISED: 01/01/26
SHEET	2 / 3

LIGHTING CONTROLLER NOTES (CONTINUED):

120V SYSTEM

CLASS 8903 NIGHTMASTER LIGHTING CONTACTOR 8903SPC61V81CFF4G102TY1
CONTACTOR RATING - 60 AMPS
FUSED COMBINATION STARTER WITH CLASS R FUSE CLIPS (FUSES NOT INCLUDED)
3 POLE DEVICE
TYPE 3R ENCLOSURE SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT
SPECIFIED FOR 120 VOLTS, 60 HZ POWER SYSTEM
FUSED CONTROL TRANSFORMER SELECTED WITH 120V, 60 HZ COIL
T - STANDARD CAPACITY
120 VOLT PRIMARY
120 VOLT SECONDARY
FUSING
F4 - 2 PRIMARY CONTROL FUSES
F - 1 SECONDARY CONTROL FUSE
CONTROL UNITS SUPPLIED
C - HAND-OFF-AUTO SELECTOR SWITCH
G102 - WIRED FOR REMOTE PHOTOCELL
N - ADDITION OF SOLID NEUTRAL
Y1 - UL PANEL LABEL

277V SYSTEM

CLASS 8903 NIGHTMASTER LIGHTING CONTACTOR 8903SPC61V85CFF4G102TY1
CONTACTOR RATING - 60 AMPS
FUSED COMBINATION STARTER WITH CLASS R FUSE CLIPS (FUSES NOT INCLUDED)
3 POLE DEVICE
TYPE 3R ENCLOSURE SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT
SPECIFIED FOR 277 VOLTS, 60 HZ POWER SYSTEM
FUSED CONTROL TRANSFORMER SELECTED WITH 120V, 60 HZ COIL
T - STANDARD CAPACITY
277 VOLT PRIMARY
120 VOLT SECONDARY
FUSING
F4 - 2 PRIMARY CONTROL FUSES
F - 1 SECONDARY CONTROL FUSE
CONTROL UNITS SUPPLIED
C - HAND-OFF-AUTO SELECTOR SWITCH
G102 - WIRED FOR REMOTE PHOTOCELL
N - ADDITION OF SOLID NEUTRAL
Y1 - UL PANEL LABEL

240V SYSTEM

CLASS 8903 NIGHTMASTER LIGHTING CONTACTOR 8903SPC62V80CFF4G102TY1
CONTACTOR RATING - 60 AMPS
FUSED COMBINATION STARTER WITH CLASS R FUSE CLIPS (FUSES NOT INCLUDED)
3 POLE DEVICE
TYPE 3R ENCLOSURE SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT
SPECIFIED FOR 240 VOLTS, 60 HZ POWER SYSTEM
FUSED CONTROL TRANSFORMER SELECTED WITH 120V, 60 HZ COIL
T - STANDARD CAPACITY
240 VOLT PRIMARY
120 VOLT SECONDARY
FUSING
F4 - 2 PRIMARY CONTROL FUSES
F - 1 SECONDARY CONTROL FUSE
CONTROL UNITS SUPPLIED
C - HAND-OFF-AUTO SELECTOR SWITCH
G102 - WIRED FOR REMOTE PHOTOCELL
N - ADDITION OF SOLID NEUTRAL
Y1 - UL PANEL LABEL

**LIGHTING
CONTROLLER**



STANDARD DRAWING:	
STL-13	
REVISED: 01/01/26	
SHEET	3/3



2026 Standard Drawings – Storm Sewer

Purpose & Alignment

Public and private storm sewer infrastructure for all public and private development projects shall adhere to these Standard Drawings and applicable City of Columbus and ODOT specifications. Anti-infiltration and inflow barriers are mandatory at sanitary and storm sewer crossings, along with the incorporation of compacted clay or approved geosynthetic clay liners where separation is limited. All installations must follow the City’s bedding, backfill, and inspection protocols to ensure durability, environmental compliance, and proper stormwater conveyance.

Application and Use Guidance

- **State and Federal:** Construction must comply with City of Dublin, City of Columbus, and Ohio EPA. Permits and approvals are required before connections.
- **Additional Standards:** Please reference the current City of Columbus standard drawings [AA-S### Series] for any storm sewer items that are not provided below.

NUMBER	TITLE	PGS
STM - STORM SEWER		
STM-01	CURB INLET HOOD	1
STM-02	STORM SEWER MANHOLE LID	1
STM-03	CONCRETE STRUCTURE STONE VENEER DETAIL	1
STM-04	WALL CAP DETAIL	1
STM-05	ROCK CHANNEL PROTECTION	1
STM-06	STORM SEWER ADJACENT TO BASEMENTS	1
STM-07	TRENCH DAM DETAIL	1
STM-08	CULVERT GRATE	1
STM-09	ROOF DRAIN CURB CONNECTION	1

Additional Resources

- City of Dublin Codified Ordinance Chapter 53, and subsequent updates
- City of Dublin Stormwater Management Design Manual

Engineering – Standard Construction Drawings 2026

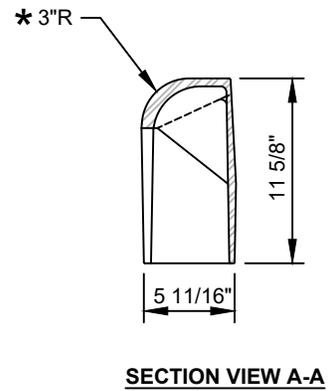
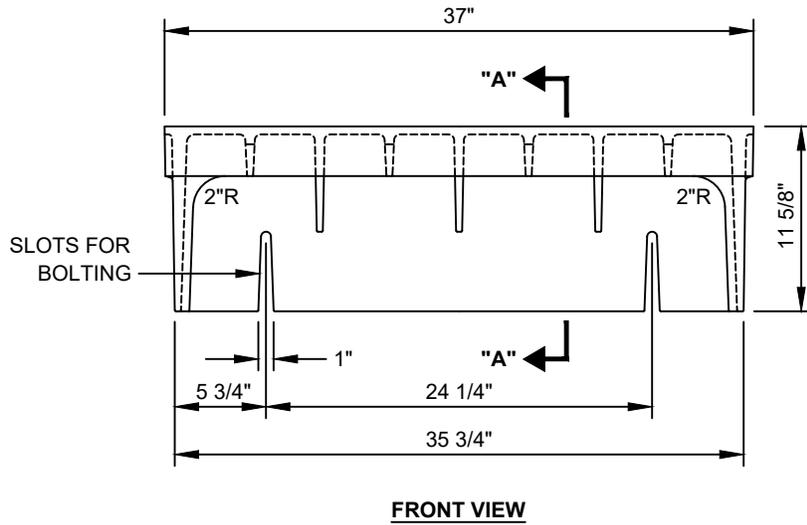
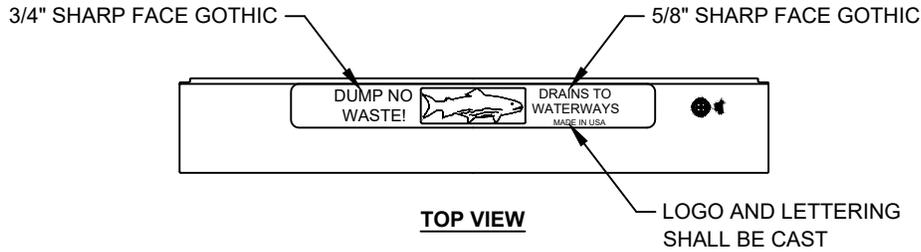


6555 Shier Rings Rd
Dublin, OH 43016



614.410.4750
Dublinohiousa.gov

Sustainable | Connected | Resilient



LID SPECIFICATIONS (OR APPROVED EQUAL)		
LOCATION	EJ FOUNDRY	NEENAH FOUNDRY
CONCRETE CURB OUTSIDE BRIDGE STREET DISTRICT	00703075	32900044
* GRANITE CURB WITHIN BRIDGE STREET DISTRICT	00703064	30677007

* FOR CURB AND GUTTER STRUCTURES LOCATED ADJACENT TO GRANITE CURB WITHIN THE BRIDGE STREET DISTRICT, GRANITE CURB SHALL TRANSITION FROM THE STANDARD 1 INCH BEVELED EDGE TO A 2 INCH RADIUS OVER 2 FEET. ROUNDING OF GRANITE CURB IS REQUIRED FOR ALL CURBS ENDING AT A STRUCTURE AND SHALL BE COMPLETED IN THE FIELD AFTER THE CURB HAS BEEN SET.

CURB INLET HOOD



STANDARD
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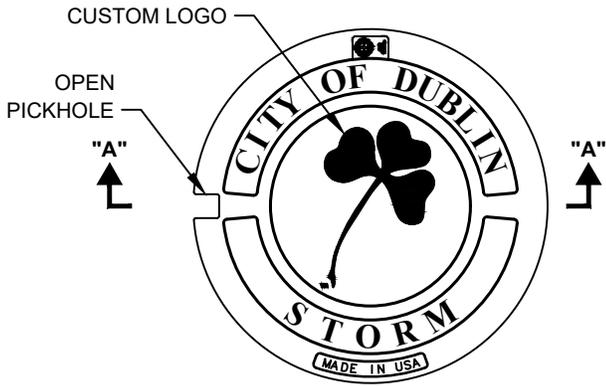
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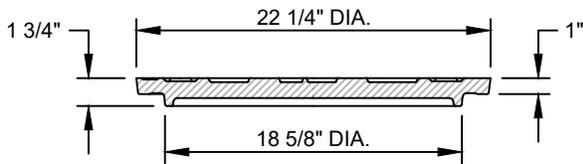
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PUBLIC STORM SEWER

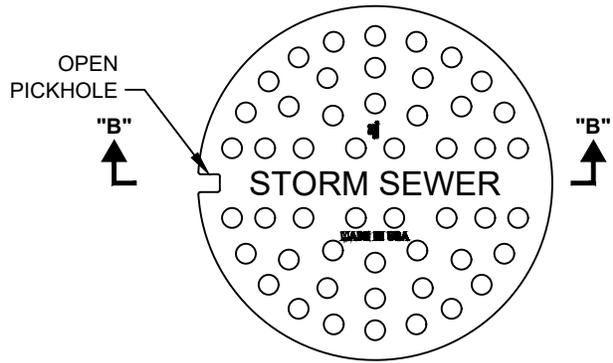


COVER PLAN VIEW

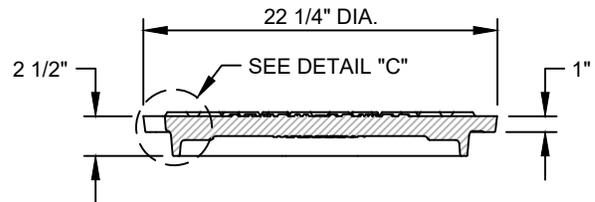


COVER SECTION VIEW A-A

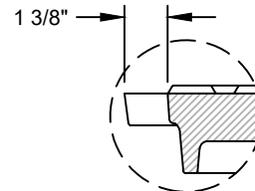
PRIVATE STORM SEWER



COVER PLAN VIEW



COVER SECTION VIEW B-B



DETAIL "C"

**STORM SEWER
MANHOLE LID**

LID SPECIFICATIONS (OR APPROVED EQUAL)		
SECTOR	EJ FOUNDRY	NEENAH FOUNDRY
PUBLIC	00166074	17625023
PRIVATE	00166029	1762395



STANDARD
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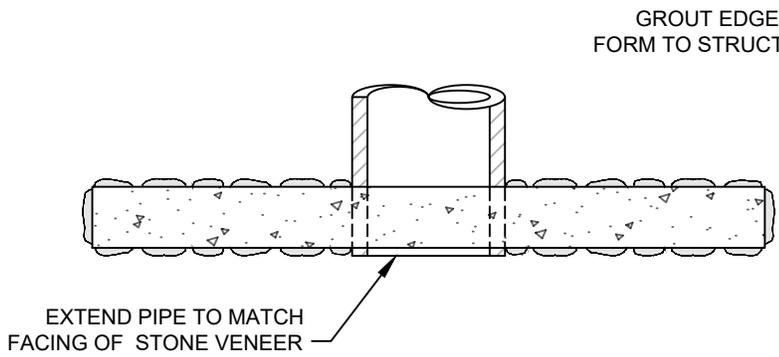
STM-02

REVISED: 01/01/26

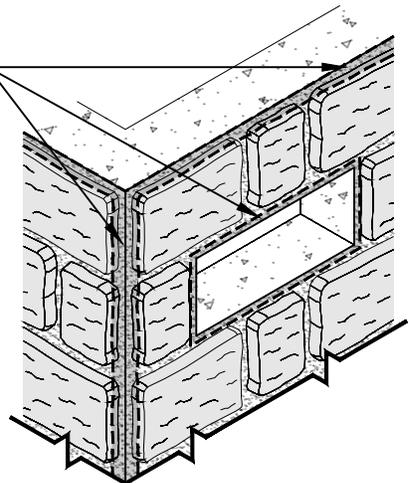
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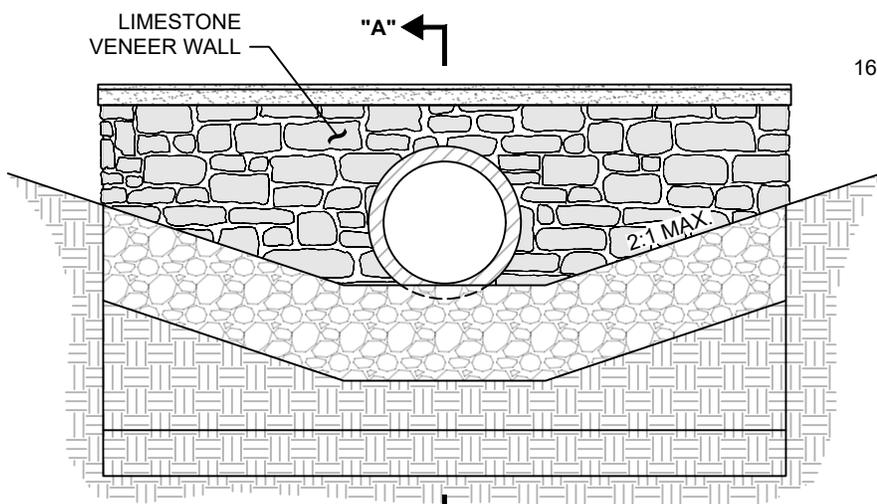
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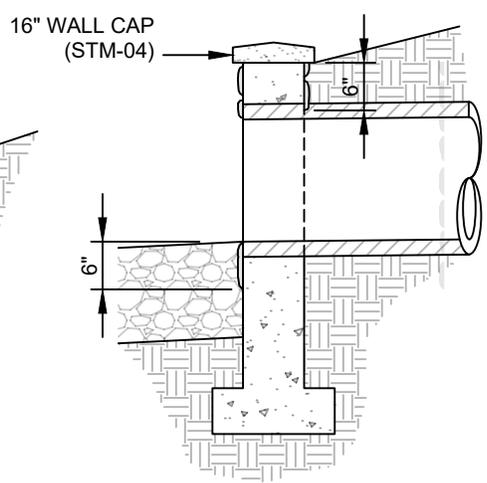
HEADWALL PLAN VIEW



OUTLET STRUCTURE GROUT DETAIL



HEADWALL ELEVATION VIEW



HEADWALL SECTION VIEW A-A

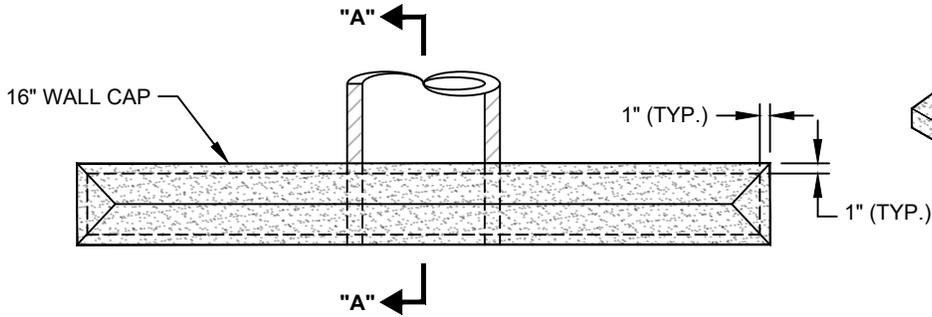
STONE VENEER NOTES:

ALL EXPOSED CONCRETE STRUCTURES, INCLUDING OUTLET STRUCTURES, HEADWALLS, WINGWALLS, ETC., SHALL COMPLY WITH THE STONE VENEER REQUIREMENTS AS SHOWN ON THIS DETAIL. MANUFACTURED STONE (COLOR BEIGE) SHALL BE GREAT LAKES LIMESTONE PER DUTCH QUALITY STONE, INC. (330-359-7866) OR APPROVED EQUAL. MORTAR AND GROUTING TYPE SHALL BE PER THE MANUFACTURER'S INSTRUCTIONS. USE TYPE "S" MORTAR AND BONDING AGENT ACRYL 60 OR APPROVED EQUAL. A SCRATCH COURSE OF MORTAR SHALL BE APPLIED AND CURED BEFORE PLACEMENT ON THE STONE. THE STONE MUST COVER ALL EXPOSED VERTICAL SURFACES AND SHALL EXTEND 6" BELOW FINAL GRADE. TEMPERATURE LIMITATIONS OF ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, SECTION 602.03, SHALL GOVERN.

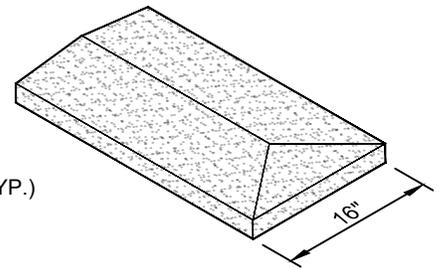
SUBSTRATE PREPARATION: ACID WASH CONCRETES SURFACE BEFORE APPLYING SCRATCH COURSE. APPLY DIAMOND MESH 2.5 LATH WITH TAPCON, OR APPROVED EQUAL, TO ALL CONCRETE SURFACES TO RECEIVE STONE VENEER AND CAPSTONE BEFORE SCRATCH COURSE APPLIED. DIAMOND MESH 2.5 LATH AND SCRATCH COURSE SHALL NOT EXTEND OVER OR COVER EXPANSION/CONTRACTION JOINTS. A SCRATCH COURSE OF MORTAR SHALL BE APPLIED APPROXIMATELY 1/8 INCH THICK EVENLY OVER THE EXPOSED SURFACE AND CURED 12 HOURS BEFORE PLACEMENT OF STONE.

PATTERN AND JOINTS: STONE SHALL BE PLACED IN A RANDOM ASHLAR PATTERN SIMILAR TO AVERY-MUIRFIELD BRIDGE OVER U.S. 33/S.R. 161 IN DUBLIN, OHIO. NO MORE THAN TWO STONES OF IDENTICAL SIZE TO BE PLACED ADJACENT TO EACH OTHER. HORIZONTAL JOINTS SHOULD BE NO MORE THAN 6 TO 8 FEET IN LENGTH BEFORE ENDING. VERTICAL JOINTS SHALL BE NO LONGER THAN 2 COURSES OF STONE, STAGGERED COURSE TO COURSE. RAKE, CLEAN, AND FINISH IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. JOINT WIDTHS ARE TO BE FAIRLY UNIFORM IN SIZE, CLOSE TO THUMB WIDTH. ALL EXPANSION/CONTRACTION JOINTS SHALL BE SEALED WITH POLYURETHANE CAULK AND BACKER ROD PER RECOMMENDATIONS OF MANUFACTURER.

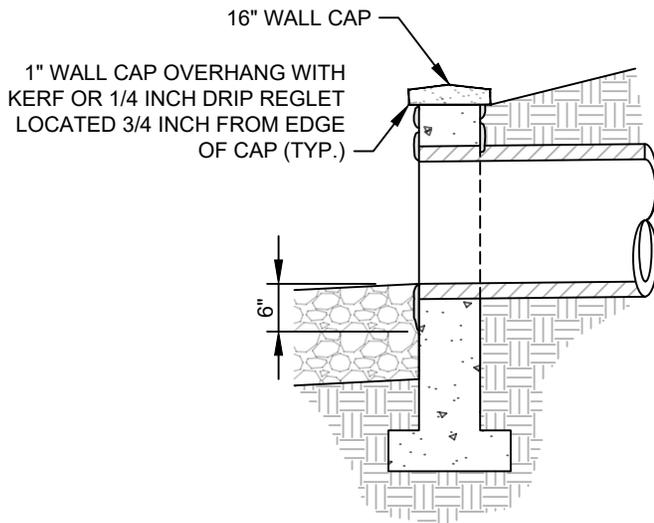
CONCRETE STRUCTURE STONE VENEER DETAIL	
	STANDARD DRAWING: STM-03
	REVISED: 01/01/26
	SHEET 1 / 1



WALL CAP PLAN VIEW



WALL CAP DETAIL



WALL CAP SECTION VIEW A-A

WALL CAP NOTES:

1. THE WALL CAP SHALL BE 16 INCHES IN WIDTH AND BEIGE IN COLOR AS MANUFACTURED BY INDIANA BUFF LIMESTONE (QUARRY) OR APPROVED EQUAL.
2. MORTAR AND GROUTING TYPE SHALL BE PER THE MANUFACTURER'S SPECIFICATIONS.
3. FOR LARGER HEADWALLS, WIDER CAP SHALL BE USED TO COVER WIDTH OF BOTH VENEER AND HEADWALL.
4. OTHER SIZES MAY BE USED AS DIRECTED BY CITY ENGINEER.

**WALL CAP
DETAIL**



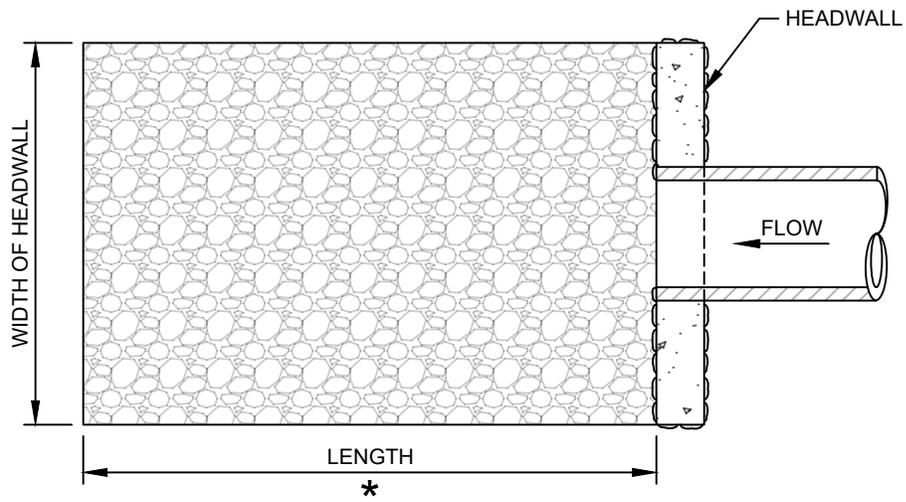
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DRAWING:

STM-04

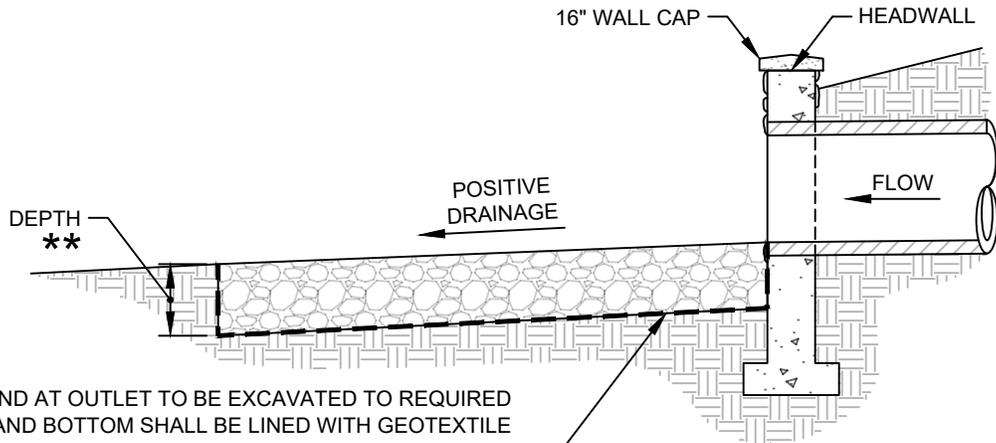
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PLAN VIEW



GROUND AT OUTLET TO BE EXCAVATED TO REQUIRED DEPTH AND BOTTOM SHALL BE LINED WITH GEOTEXTILE FABRIC PER CMSC ITEM 712.09 TYPE B. TOP OF ROCK SHALL BE AT SAME ELEVATION AS INVERT OF PIPE.

PROFILE VIEW

NOTE: ROCK CHANNEL PROTECTION IS REQUIRED AT ALL OUTLETS.

NOTES:

- * LENGTH DETERMINED BY PIPE SIZE AND FLOW VELOCITY, SEE ODOT L&D MANUAL VOL. 2, TABLE 1002-4. MINIMUM LENGTH = 8' (OR 5' IF SUBMERGED).
- ** DEPTH AND SIZE OF STONE DETERMINED BY PIPE SIZE AND FLOW VELOCITY, SEE ODOT L&D MANUAL VOL. 2, TABLE 1002-4. MINIMUM DEPTH = 18" OF 6" STONE.

ROCK CHANNEL PROTECTION



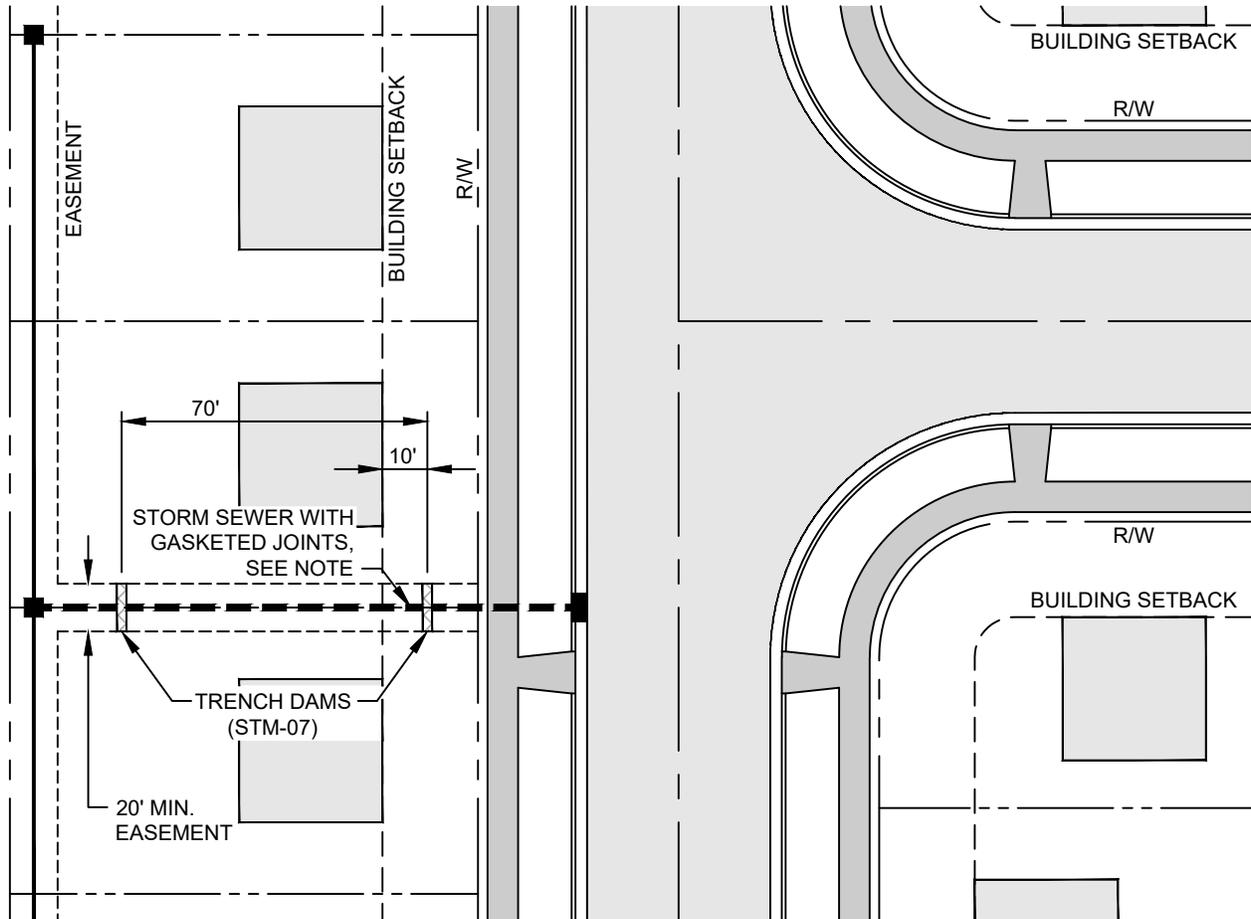
STANDARD DRAWING:

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REVISED: 01/01/26

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STORM SEWER ADJACENT TO BASEMENTS NOTES:

1. CONTRACTOR SHALL USE REINFORCED CONCRETE PIPE (ASTM C-76) WITH "O" RING RUBBER GASKET JOINTS (ASTM C-136) FROM STRUCTURE TO STRUCTURE WITH NO AGGREGATE BACKFILL, OR HDPP STORM PIPE WITH GASKETED INTEGRAL BELL & SPIGOT JOINTS (ASTM F2881) WITH STANDARD BEDDING AND BACKFILL.
2. WATER TIGHT JOINTS AND TRENCH DAMS ARE REQUIRED FOR ALL STORM SEWER INSTALLATIONS LOCATED BETWEEN HOUSES.
3. TRENCH DAMS SHALL BE PLACED AT 70 FOOT INTERVALS WITH A STARTING POINT OF 10 FEET FROM THE FACE OF THE BUILDING. SEE STM-07 FOR TRENCH DAM DETAIL.
4. FOR USE OF HDPP PIPE WITH GASKET JOINTS ADJACENT TO BASEMENTS, ENGINEER TO CHECK FOR BUOYANCY AND DESIGN ACCORDINGLY.

**STORM SEWER
ADJACENT TO
BASEMENTS**



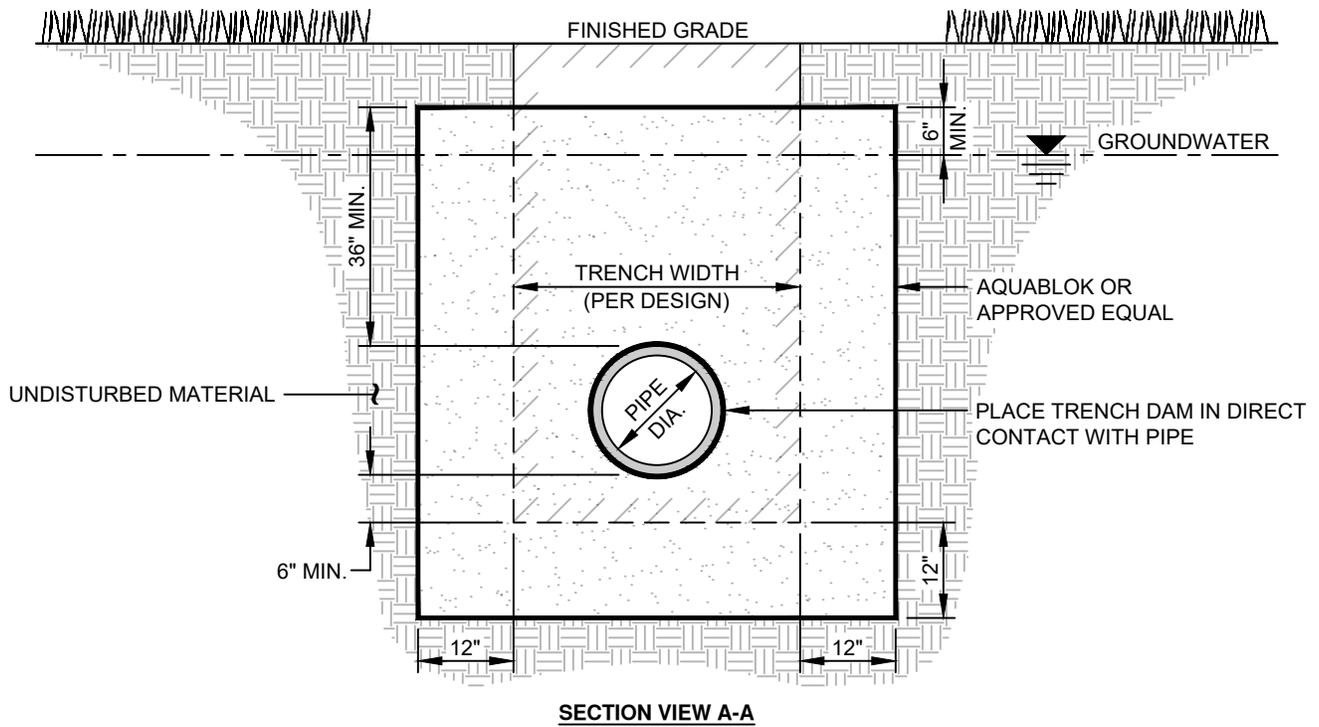
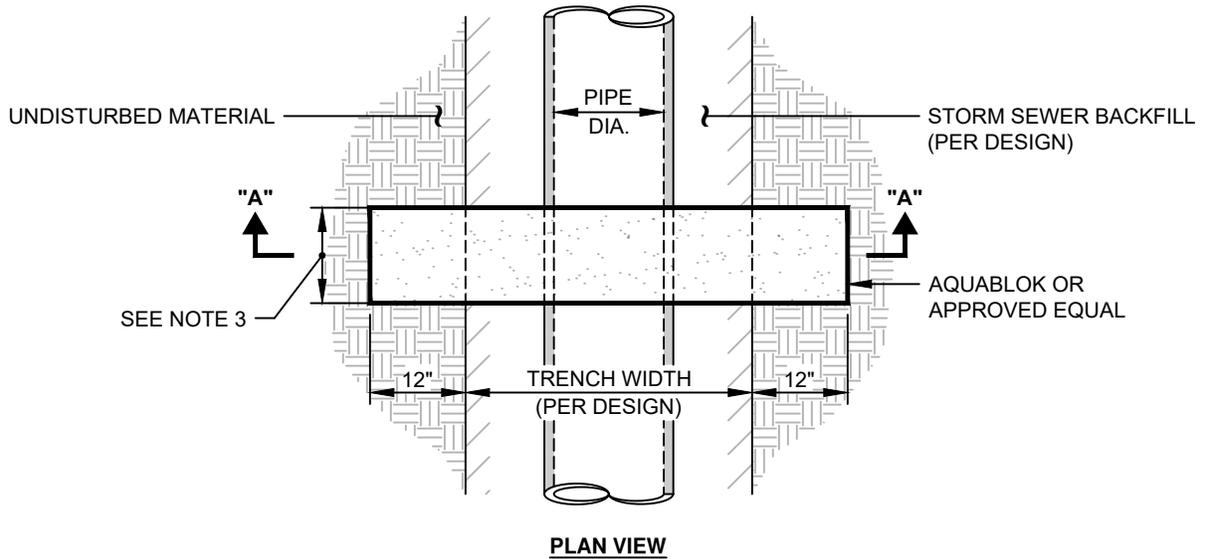
STANDARD
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STM-06

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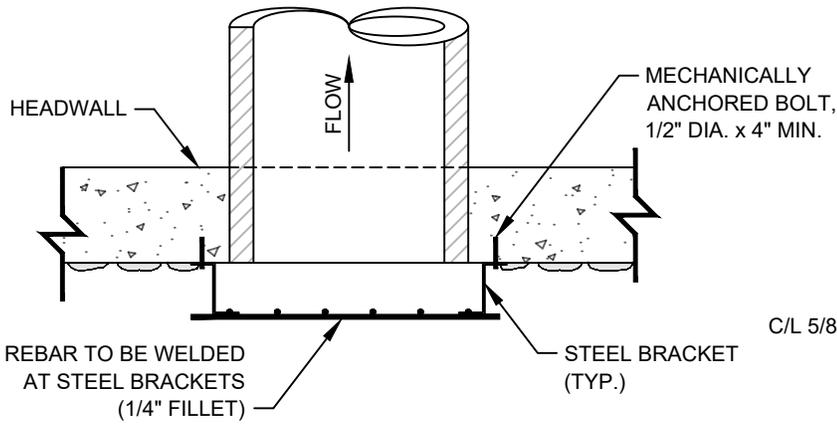
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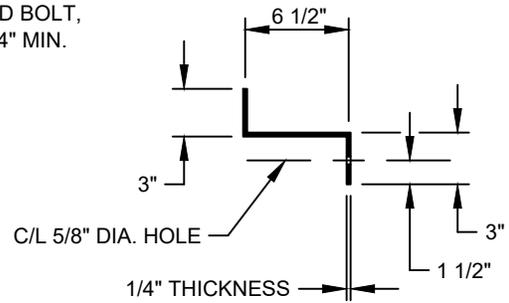
TRENCH DAM NOTES:

1. FOR LOCATIONS WITHIN 15 FEET OF A BUILDING WITH BASEMENT, TRENCH DAMS SHALL BE PLACED PER STM-06.
2. WHERE PIPE COVER IS LESS THAN 5 FEET, EXTEND THE TRENCH DAM TO WITHIN 1 FOOT OF THE FINISHED GRADE.
3. THE TRENCH DAM THICKNESS SHALL BE BASED ON PIPE SIZES AS FOLLOWS:
 - A.) 3" < 12" PIPE ~ 6" THICK
 - B.) 12" < 36" PIPE ~ 12" THICK
 - C.) 36" < 66" PIPE ~ 18" THICK
 - D.) OVER 66" PIPE ~ 24" THICK
4. ADDITIONAL TRENCH DAMS MAY BE REQUIRED. LOCATIONS ARE SUBJECT TO THE APPROVAL OF CITY ENGINEER.
5. SANITARY TRENCH DAMS SHALL BE PER CMSC 901.11.

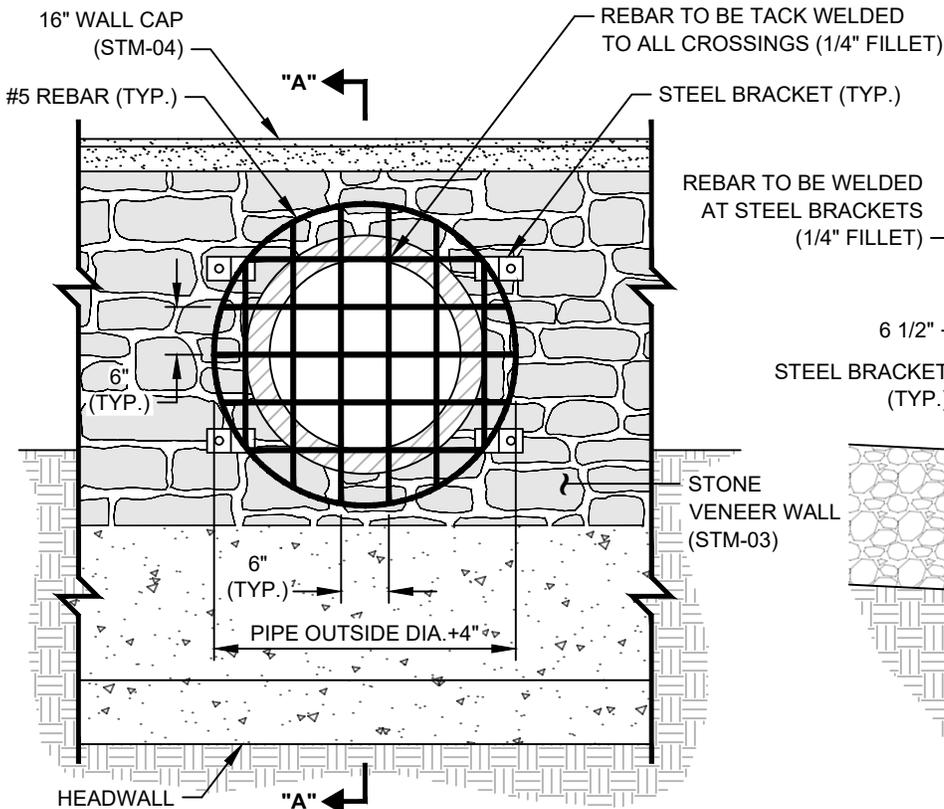
<h2>TRENCH DAM DETAIL</h2>	
	STANDARD DRAWING:
	STM-07
	REVISED: 01/01/26
SHEET	1 / 1



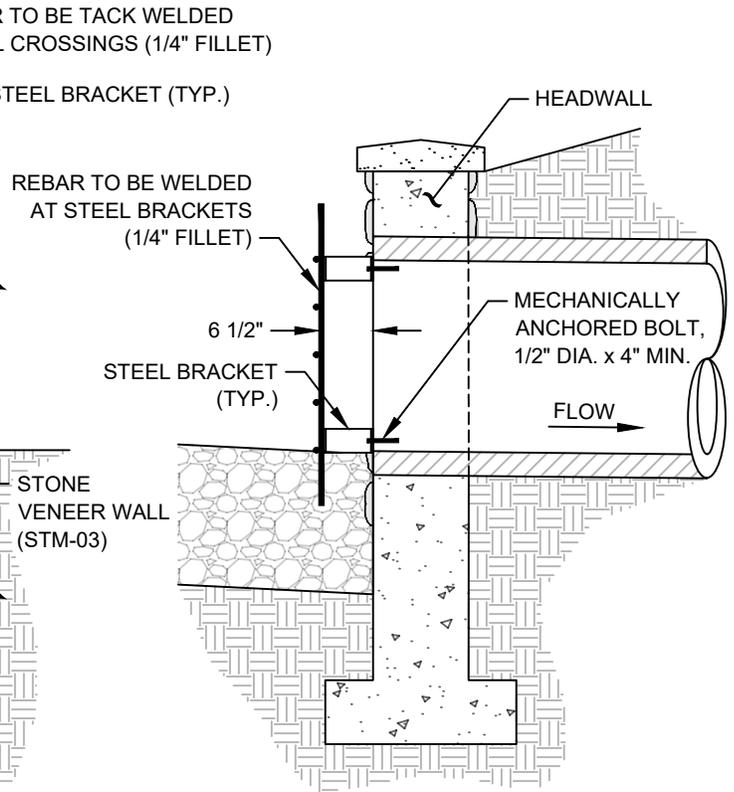
TOP VIEW



STEEL BRACKET DETAIL



FRONT VIEW



SECTION VIEW A-A

CULVERT GRATE NOTES:

1. CULVERT GRATES ARE REQUIRED TO BE USED ON UPSTREAM SIDE (INTAKE) OF CULVERTS THAT ARE 21 INCHES OR LARGER IN DIAMETER, UNLESS DIRECTED BY CITY ENGINEER.
2. GRATES AND BRACKETS SHALL BE GALVANIZED IN ACCORDANCE WITH CMSC 711.02.
3. ALL STEEL SHALL BE STAINLESS.
4. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY CITY ENGINEER.

CULVERT GRATE



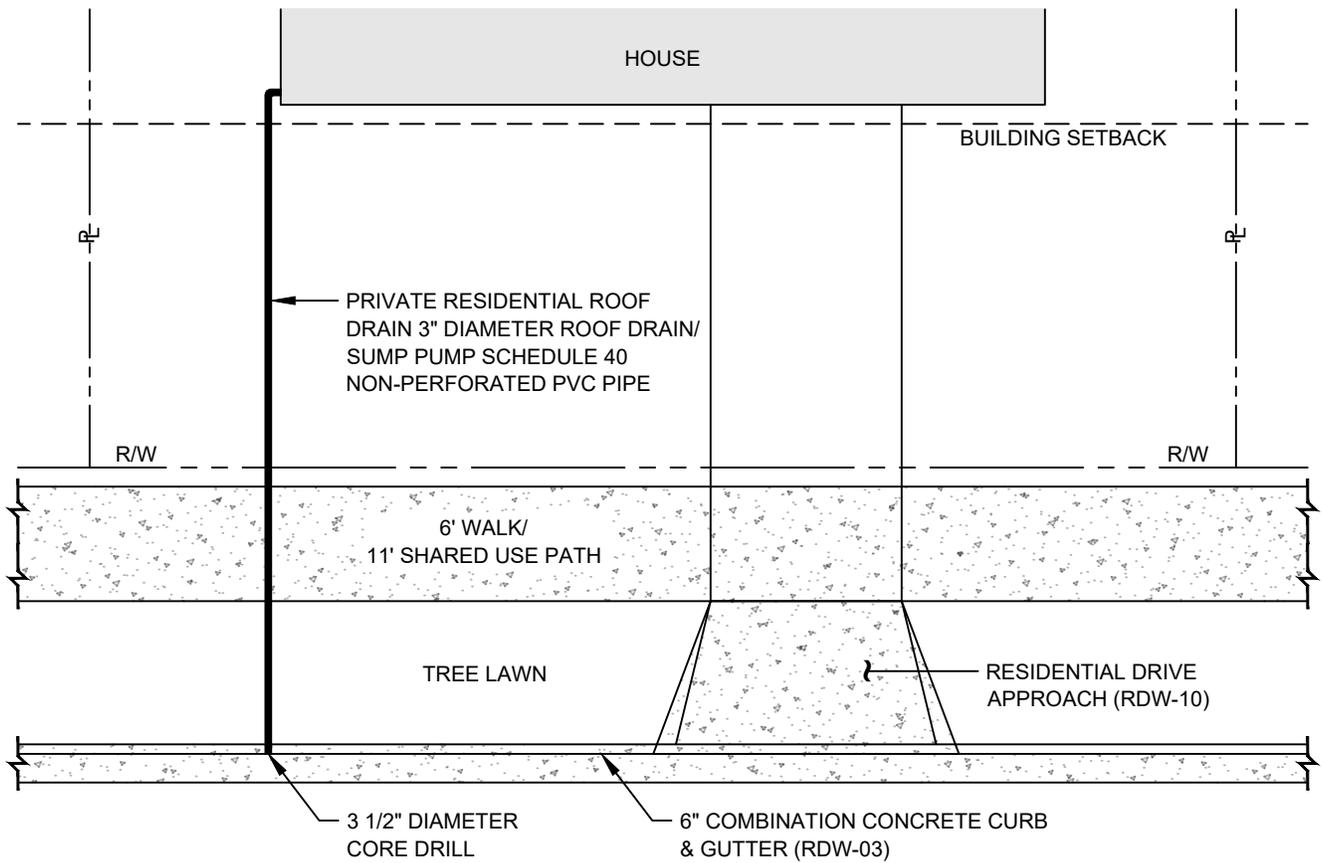
STANDARD DRAWING:

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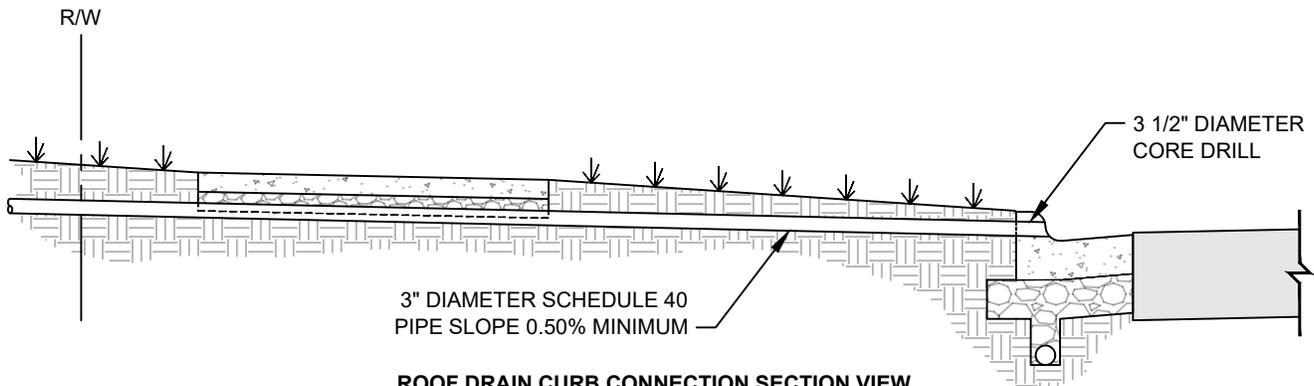
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ROOF DRAIN CURB CONNECTION PLAN VIEW



ROOF DRAIN CURB CONNECTION SECTION VIEW

ROOF DRAIN CURB CONNECTION NOTES:

1. ALL SUMP PUMP/ROOF DRAIN PIPE SHALL BE SCHEDULE 40 SOLID WALL (NON-PERFORATED) PIPE WITHIN THE PUBLIC RIGHT-OF-WAY.
2. TYPICAL RESIDENTIAL TYPE CONNECTIONS WILL BE 3 INCHES IN DIAMETER.
3. THE CONNECTION AT THE CURB SHALL BE CORE DRILLED.
4. THE PIPE SHALL EXTEND AT LEAST TWO FEET BEYOND THE WALK OR SHARED USE PATH LOCATION.
5. PIPE SLOPE TO BE 0.5% MINIMUM TOWARDS ROADWAY.
6. ROOF DRAIN/SUMP PUMP PIPE SHALL BE PRIVATELY OWNED AND MAINTAINED, INCLUDING WITHIN THE PUBLIC RIGHT-OF-WAY.
7. DO NOT TIE RESIDENTIAL ROOF DRAINS INTO UNDERDRAINS, STORM STRUCTURES, OR STORM PIPES.

ROOF DRAIN CURB CONNECTION	
	STANDARD DRAWING: STM-09
	REVISED: 01/01/26
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2026 Standard Drawings – Water

Purpose & Alignment

The City of Dublin is a contract municipality to the City of Columbus water collection system. All water improvements and expansions are subject to the current requirements of the water service agreement between the City of Columbus and City of Dublin, approved on April 13, 1993, and all amendments. As a contract municipality, any taps made to the public watermains will incur water tapping and capacity fees that must be paid separately to both municipalities. Please be aware that the operation of a fire hydrant is only permitted with an approved permit through the Division of Engineering.

Material Requirements

One critical distinction between the two cities relates to the materials permitted for public water infrastructure. While Columbus may allow the use of various materials, the City of Dublin restricts public water infrastructure to ductile iron only, ensuring uniformity and compliance with local regulations.

Application and Use Guidance

- **State and Federal:** Construction must comply with City of Dublin, City of Columbus, Ohio EPA, Ohio Department of Health, and Ten States Standards. Permits and approvals are required before connections.
- **Water Plans:** Engineering plans are to be submitted concurrently to the City of Dublin and the Columbus Division of Water & Power for review. City of Columbus review comments are to be supplied by the design engineer to the City of Dublin for review and determination of conformance.
- **Additional Standards:** Please reference the current City of Columbus standard drawings [AA-S### Series] for any water items that are not provided below.

NUMBER	TITLE	PGS
	WTR - WATER	
WTR-01	FIRE HYDRANT DETAIL	1

Additional Resources

- City of Dublin Codified Ordinance Chapter 52, and subsequent updates
- City of Columbus, Division of Water: Guidelines for Water Distribution and Water Service Plan Design Manual

Engineering – Standard Construction Drawings 2026

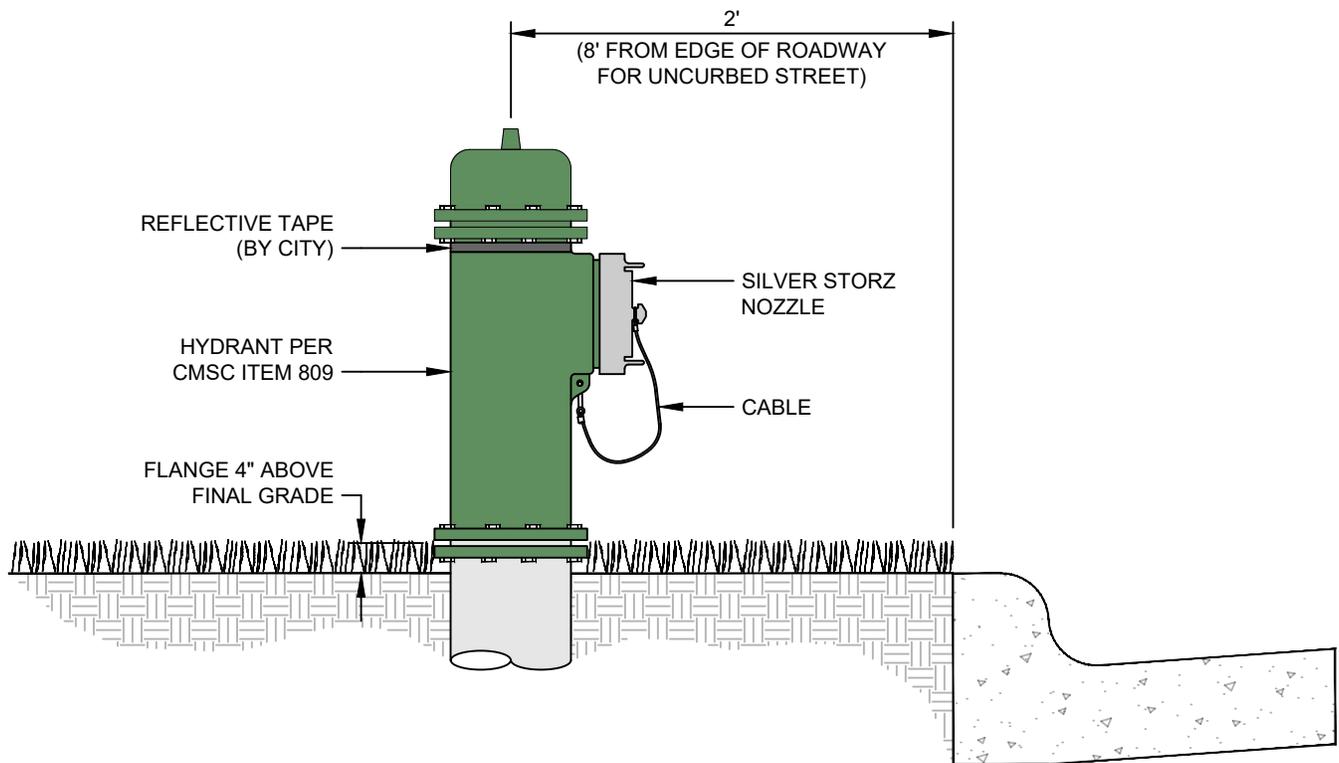


6555 Shier Rings Rd
Dublin, OH 43016



614.410.4750
Dublinohiousa.gov

Sustainable | Connected | Resilient



APPROVED HYDRANTS

- AMERICAN FLOW CONTROL - MARK 73 SERIES
- AMERICAN FLOW CONTROL - MARK 73-5
- CLOW - EDDY F2641
- MUELLER - CENTURION

COMMENTS

"NO DRAIN" ONLY. SELF DRAINING HYDRANTS ARE NOT PERMITTED.

HYDRANT NOTES:

1. ALL HYDRANTS WILL COME EQUIPPED WITH A SILVER STORZ NOZZLE.
2. ALL NEW HYDRANTS SHALL BE POWDER COATED BY THE MANUFACTURER. ALL PAINT SHALL BE SHERWIN WILLIAMS - POLANE SP POLYURETHANE ENAMEL OR APPROVED EQUAL.
3. PRIVATE HYDRANTS SHALL BE WHITE NO. D876967-31-1 OR 80-1 WITH VISTA GREEN TOP AND CAP.
4. PUBLIC HYDRANTS SHALL BE FEDERAL STANDARD COLOR 24227. SAMPLE SHALL BE SUBMITTED TO CITY ENGINEER FOR APPROVAL.
5. PAINT AND PRIMER TO BE APPLIED BY THE MANUFACTURER.
6. PRIMER: AS SPECIFIED BY THE MANUFACTURER.
7. PRIVATE HYDRANTS ARE TO BE FLUSHED TWICE A YEAR AND FLOW TESTING TO BE PERFORMED EVERY 5 YEARS BY THE OWNER.
8. ABANDONED HYDRANTS AND HYDRANTS TO BE RELOCATED ARE TO BE RETURNED TO THE CITY. PLEASE CONTACT THE ENGINEERING DIVISION TO COORDINATE.
9. HYDRANT USE ONLY PERMITTED WITH APPROVED CITY PERMIT.
10. INSTALLATION OF HYDRANTS SHALL BE PER CMSC ITEM 809. HYDRANTS SHALL BE LOCATED A MINIMUM OF 6 FEET CLEAR OF ALL RESIDENTIAL DRIVES AND CURB RETURNS, AND A MINIMUM OF 10 FEET CLEAR OF ALL COMMERCIAL DRIVES.

**FIRE HYDRANT
DETAIL**



STANDARD
DRAWING:

WTR-01

REVISED: 01/01/26

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