



## CITY of THE DALLES

313 COURT STREET  
THE DALLES, OREGON 97058

(541) 296-5481 Ext. 1125

**\$20.00 FEE (In advance)**

# CURB/SIDEWALK/DRIVE APPROACH PERMIT

\*\*\*\*This permit is void if the work is not completed within 60 days\*\*\*\*

### Please complete the entire form

Applicant Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Site Address: \_\_\_\_\_ or,

Township \_\_\_\_\_ N, Range \_\_\_\_\_ E, Section \_\_\_\_\_, Tax Lot # \_\_\_\_\_ The Dalles, Oregon.

I hereby apply for a permit to construct a: ☐ Curb ☐ Sidewalk ☐ Drive Approach ☐ Curb Ramp

Type \_\_\_\_\_

I am:

- ☐ The Property Owner doing my own work (For Curb and Sidewalk in-fill only).
- ☐ A Licensed Contractor. Construction Contractor Board (CCB) # \_\_\_\_\_ Expires \_\_\_\_\_
- ☐ The Property Owner hiring a Licensed Contractor. CCB # \_\_\_\_\_ Expires \_\_\_\_\_

**Applicant must provide a sketch of the property with cross streets and location of proposed improvement area with dimensions of improvements and setbacks from property lines.**

**For non-infill Curb and Sidewalk construction and all Curb Ramp construction, permittee shall have plans prepared by a licensed Oregon Professional Engineer (P.E.) and submit them to the Engineering Division at Public Works for review and approval before installation of concrete improvements.**

**Grades shall be field staked for construction by permittee using a qualified engineer/surveyor in locations without existing curb and/or sidewalk.**

- ☐ Infill Curb and Sidewalk: Using grade line established by existing curb and/or sidewalk.
- ☐ Altering Existing Sidewalk/Curb Grade: Submit Engineered Plans for review and/or approval
- ☐ No Existing Curb or Sidewalk: Submit Engineered Plans for review and/or approval to establish grade
- ☐ Curb Ramp: Design Engineer to obtain ADA Curb Ramp Checklist from Engineering Division at Public Works by emailing [mbosse@ci.the-dalles.or.us](mailto:mbosse@ci.the-dalles.or.us). Submit Engineered Plans for review and/or approval to establish grade

**GENERAL REQUIREMENTS:**

- Standard curb must be formed the entire face depth which requires saw cutting, removing and replacing the asphalt. Asphalt replaced should be a minimum of 2" wider than the approved compaction device. Curb and gutter is required at curb ramps.
- Bottom of curb cut (end of wings/throat) must be a minimum of 5' from property line.
- Minimum of 2" of  $\frac{3}{4}$ -minus compacted aggregate (watered)
- Contact Construction Inspector 48 hours in advance of pouring to schedule a Pre-Pour Conference.      Contact: City Inspector (541) 980-5735
- No monolithic pours are allowed without prior approval from City Engineer or their designee
- All curbing and sidewalks installed in the Right-of-Way shall be free of cracks or damage. If cracking or damage occurs concrete will be replaced at contractor/property owner's expense.
- A Sidewalk/Street Closure Permit is required for all work on existing sidewalks/pedestrian routes. This permit is available at City Public Works and must be submitted 5 days prior to work.
- Other Requirements: \_\_\_\_\_

**ACKNOWLEDGEMENT OF APPLICANT RESPONSIBILITY**

I will construct a Curb/Sidewalk/Drive Approach/Curb Ramp according to the latest edition of The Dalles Standard Specifications and Drawings, of which I acknowledge receipt. (The latest edition of Section 00759 of the City of The Dalles Standard Specifications and appropriate Standard Drawings will be provided with the permit). I also understand that all constructed improvements not meeting the specified dimensions and slopes, when inspected by City Inspector after construction, shall be removed and reconstructed at no cost to the City.

Applicant

Signature \_\_\_\_\_ Date \_\_\_\_\_

Owner Signature (if different than applicant): \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

**FOR PLANNING DEPARTMENT USE ONLY**

Zone District/Overlay \_\_\_\_\_ Street Classification \_\_\_\_\_ Posted Speed \_\_\_\_\_

Right of Way Planner Approval \_\_\_\_\_ Date: \_\_\_\_\_

**FOR PUBLIC WORKS USE ONLY**

ADA Coordinator Approval \_\_\_\_\_ Date: \_\_\_\_\_

ADA File # \_\_\_\_\_

00759.00

## **Section 00759 - Miscellaneous Portland Cement Concrete Structures**

### **Description**

**00759.00 Scope** - This Work consists of furnishing, placing and finishing Commercial Grade Concrete curbs, concrete curb ramps with curbs, islands, traffic separators, driveways, sidewalks, monolithic curb and sidewalks, miscellaneous surfaces, and stairs in close conformity to the lines, grades and dimensions shown or established.

This Work consists of furnishing, placing and finishing concrete bus pads according to Section 00756.

The Commercial Grade Concrete items in this Section will be collectively referred to as "Structures".

### **00759.02 Definitions:**

**Pedestrian Access Routes** - An area for the use of pedestrians to navigate along sidewalks, driveways, curb ramps, crossings, and pedestrian facilities.

**00759.03 Required Submittals** - Do not begin any curb ramp Work before the plan for completing the Work has been approved. Material ordered or Work done before the Engineer reviews and returns the documents will be at the Contractor's risk.

Before the preplacement conference, submit the following:

(a) **Working Drawings** - At least 7 Calendar Days before the preplacement conference, submit six copies of unstamped Working Drawings according to 00150.35 for all curb ramp Work. Include field verification of each ramp location, and all dimensions and grades necessary to demonstrate compliance with the Standard Drawings and Plans. Notify the Engineer of any deficiencies or non-compliance with the Standard Drawings or Plans. The Engineer will provide additional or modified Plans as needed.

(b) **Curb Ramp Plan** - At least 7 Calendar Days before the curb ramp Work is scheduled to begin, submit a plan for accomplishing all phases of the curb ramp Work, including but not limited to the following:

- Surface preparation
- Compliance with Working Drawings and details submitted under 00759.02
- Compliance with current Standard Drawings and Plans
- Waste handling and disposal

(c) **ADA Certification for Contractors** - For all supervisory personnel who directly supervise the curb ramp Work, submit the names, telephone numbers, and copies of the ODOT ADA Certification for Contractors at least 7 Calendar Days before the preconstruction conference.

**00759.04 Preplacement Conference** - Before beginning any curb ramp Work, meet with the Contractor's supervisory personnel and quality control manager, any curb ramp Subcontractors' supervisory personnel, and the Engineer at a mutually agreed upon time.

If the Contractor's personnel change, or if the Contractor proposes a significant revision to the plan for accomplishing the curb ramp Work, the Engineer may require additional preplacement conferences.

All supervisory personnel who have an active ODOT ADA Certification for Contractors and directly supervise the curb ramp Work are required to attend the preplacement conference.

### Materials

**00759.10 Materials** - Furnish Materials meeting the following requirements:

Bar Reinforcement .....	02510
Commercial Grade Concrete.....	00440
Dowels .....	02510.50
Epoxy Bonding Agent.....	02070
Paving Concrete.....	02001
Preformed Expansion Joint Filler.....	02440.10
Welded Wire Fabric.....	02510.40

Furnish Class 4000 - 1 1/2 paving concrete for bus pads.

**00759.11 Aggregate Base** - Furnish Aggregate base Materials for Base, foundation courses, Leveling courses, or bedding meeting the requirements of Section 02630. If a designated size is not shown or given, furnish 3/4" - 0.

**00759.12 Curb Ramp Treatment** - Furnish truncated dome detectable warning surfaces for curb ramps and accessible route islands from the QPL. Furnish truncated dome detectable warning surfaces that are safety yellow in color on or along State Highways.

Use only adhesives recommended or supplied by the manufacturer.

### Equipment

**00759.21 Concrete Extruding Machine** - Concrete extruding machines shall operate under sufficient restraint to forward motion to produce a well consolidated mass of concrete.

**00759.22 Smart Level** - Use Agency approved smart level devices to measure cross slopes and curbramp slopes. Calibrate smart levels at the time of inspection. Use percentage mode to record all slope measurements to the nearest tenth of a percent relative to a true horizontal plane (zero).

(a) **Qualified Smart Levels** - Slopes will be measured with the use of a 24 inch SmartTool level model 92379 or model 92500, and a 6 inch SmartTool level model 92346.

### Labor

**00759.31 Qualifications** - Use supervisory personnel who have an active ODOT ADA Certification for Contractors to directly supervise the curb ramp Work.

### Construction

**00759.41 Earthwork** - Make excavations and backfills for the Structures according to Section 00330 and to the depths, widths, and cross sections shown, specified, or directed.

Remove and dispose of existing concrete sidewalks, curbs, and curb ramps that are scheduled for removal according to Section 00310.

**00759.42 Foundations** - Construct foundations or other bedding using selected granular backfill material according to Section 00330 or using Aggregate base when shown or directed.

For Aggregate Base, do one of the following:

00759.43

- When existing Aggregate base materials of the kind specified in 00759.11 are already in place, salvage and reuse.
- Use new Aggregate base materials conforming to 00759.11.

**00759.43 Foundation Preparation** - Bring areas on which Structures are to be constructed to established line, and make firm, dry and free of all Unsuitable Material before placing concrete. Existing concrete surfaces shall be clean and moist at the time of placing new concrete.

When placing concrete by the extrusion method, vertical dowel fastening to underlying concrete may be eliminated if the bond between surfaces is developed by applying epoxy bonding agent. Apply epoxy bonding agent according to the manufacturer's recommendations.

**00759.44 Joining New to Existing Concrete** - Construct suitable connections between new and existing concrete where existing driveways, walks, and other Structures are cut back to permit the new construction or where the new construction abuts the existing concrete. Unless shown or directed otherwise, furnish and place minimum 3/4 inch thick preformed expansion joint filler between new and existing concrete.

**00759.45 Reinforcement, Dowels, and Tie Bars** - Furnish and place reinforcement, dowels, and tie bars according to 00755.43 and as shown or directed.

Provide dowels with "slip sleeves" and place as load transfer devices where shown. Place dowels without "slip sleeves" as fastenings or ties between new and existing underlying concrete when shown.

**00759.46 Concrete** - Construct the Structures between suitable forms or by the extrusion method. Before placing concrete, verify that forms are correctly positioned to produce curb ramps with proper Slopes and dimensions to comply with the Standard Drawings and Plans. Place concrete according to Section 00440 subject to this Section.

**00759.48 Expansion Joints** - Construct expansion joints of the preformed filler type in concrete Structures as shown and the following:

- Not less than 1/2 inch wide, except where abutting or underlying concrete joints are larger, then the width shall match those joints.
- At right angles to the Structure alignment and normal to the Structure surface.
- Which completely separate the concrete segments.
- Placed flush or no more than 1/8 inch below the concrete surface.

**(a) Curbs, Islands, and Traffic Separators** - Provide expansion joints:

- Opposite abutting expansion joints in abutting concrete.
- Over existing expansion joints in concrete underlying the new concrete Structure.
- At each point of tangency in the Structure alignment.
- Not over 200 foot spacing.

**(b) Driveways, Walks, Monolithic Curbs and Sidewalks, and Surfacing** - Do not provide expansion joints within the curb ramp, and between separate concrete pours on the same project.

Provide expansion joints:

- Between driveways and concrete Pavement.

- Transversely in walks opposite expansion joints in adjoining curbs and elsewhere so the distance between joints does not exceed 45 feet.
- Transversely in walks at a distance of 16 feet to 8 feet from ends of walks which abut curbs.
- Around poles, posts, boxes, and other fixtures which protrude through or against the Structures.

(c) **Stairs** - Provide expansion joints for stairs at the top and bottom landings as shown.

**00759.49 Contraction Joints** - Construct transverse contraction joints of the weakened plane or dummy type in the exposed surfaces of the concrete Structures as shown and the following:

(a) **Locations** - Locate contraction joints:

- Over contraction joints in concrete underlying the new concrete Structure.
- Opposite contraction joints in abutting concrete.
- At locations to confine joint spacing to a maximum of 15 feet.
- For bus pads, where shown.

(b) **Methods** - Construct contraction joints by:

- Inserting and removing plates, or other devices.
- Inserting and leaving in place preformed expansion joint filler even and flush with the concrete surface.
- Sawing as soon as practicable after concrete placement but before any uncontrolled cracking occurs.
- Tooling.
- Other approved methods.

(c) **Requirements** - Contraction joints shall:

- Be not less than 1/8 inch or more than 1/4 inch wide.
- Be a depth of one-third the thickness of the concrete.
- Have clean, unfilled grooves (if preformed expansion joint filler is not used).

#### **00759.50 Surface Finishing:**

(a) **General** - Remove forms, if any, from Structures after the concrete has taken its initial set and while the concrete is still green. Repair minor defects with mortar containing one part portland cement and two parts sand. Do not plaster exposed surfaces.

The top and face of Structures shall be true and straight, free from humps, sags, or other irregularities. The surface shall not vary more than 1/4 inch from the edge of 12 foot long straightedge laid on the top or face of the Structure, except in curves. Furnish the straightedge and operate it as directed. Unless otherwise shown or directed, tool edges to 1/4 inch radius.

(b) **Curbs, Islands, and Stairs** - While the concrete is still green, finish the exposed surfaces as required to produce a smooth surface and uniform texture.

(c) **Driveways, Walks, and Surfacing** - Finish concrete surfaces to smooth and uniform texture by troweling, floating and cross brooming. Lightly groove or mark surfaces into squares or other shapes to match markings on similar existing surfaces in the vicinity, as directed.

00759.51

On all curb ramps and accessible route islands, install truncated domes as shown. Place according to the manufacturer's recommendation.

In addition, finish concrete surfaces of curb ramps to be within the established Slopes and dimensions allowed by the Standard Drawings and Plans. Repair or remove and replace curb ramps not meeting the Standard Drawings and Plans at no additional cost to the Agency.

The 24-inch smart level will be used to measure driveway and sidewalk cross slopes on the pedestrian access route.

**(d) Curb Ramps** - The 6 inch smart level will be used to measure curb running slope. The 6 inch smart level will be used to measure slopes on portions of the curb ramp, gutter pan, or adjacent surfaces that cannot accommodate a 24 inch smart level. All other curb ramp locations will use a 24 inch smart level to measure slopes.

**(e) Bus Pads** - Finish bus pad concrete surfaces according to 00756.51.

**00759.51 Curing** - Cure and protect concrete after placing and finishing according to Section 00440.

Keep the concrete Structure free from contact, strain and Public Traffic for at least 7 Calendar Days or longer as directed. Do not apply curing compounds to the designated truncated dome areas of curb ramps and accessible route islands.

**00759.53 Welding** - Welding, welder qualifications, prequalification of weld details and inspection of welds shall conform to AWS D1.1. Submit all welding procedure specifications to the Engineer for approval.

**00759.54 Bolt Holes:**

**(a) Punched Holes** - Use a die with a diameter not exceeding the diameter of the punch by more than 1/16 inch. Ream any holes that are required to be enlarged to admit the anchor bolts. Make clean cut holes without torn or ragged edges.

**(b) Accuracy of Punched Holes** - Locate all holes punched full size so accurately that when multiple anchor plates are stacked with the edges even, a cylindrical pin 1/8 inch smaller in diameter than the nominal size of the punched hole may be entered perpendicular to the face of the plate without drifting in each of the connecting holes in the same plane. Non-conforming pieces will be rejected.

#### **Measurement**

**00759.80 Measurement** - The quantities of Structures constructed under this Section will be measured according to the following:

- **Volume Basis** - Measurement will be limited to the Neat Lines of the finished Structure as shown or directed.
- **Area Basis** - Measurement will be the finished surface, limited to the Neat Lines shown or directed.

Measurement of concrete walks will include the total area of concrete walk, including the area of concrete curb ramps within the footprint of the concrete walk.

When monolithic curb and sidewalks are measured on the area basis, measurement will include the total area of monolithic curb and sidewalk, including the area of concrete curb ramps within the footprint of the monolithic curb and sidewalk.

Measurement of concrete islands will include the total area of concrete islands, including the area of concrete curb ramps within the footprint of the concrete islands.

When concrete curb ramp construction is not adjacent to concrete walk, monolithic curb and sidewalk, or concrete island Work, the area of the concrete curb ramp Work will be included in the measurement of concrete walks.

- **Length Basis** - Measurement of concrete items will be along the face of the Structure, from end to end including curb tapers or depressed lengths at driveways and ramps.
- **Each Basis** - Measurement will be by actual count. Extra for Curb Ramps will be counted for each instance of where a curb ramp crosses a curb at the transition between a pedestrian facility and a roadway.

### Payment

**00759.90 Payment** - The accepted quantities of Structures will be paid for at the Contract unit price, per unit of measurement, for the following items:

Pay Item	Unit of Measurement
(a) Concrete Curbs, .....	Foot or Cubic Yard
(b) Concrete Islands .....	Square Foot
(c) Concrete Driveways .....	Square Foot
(d) Concrete Driveways, Reinforced.....	Square Foot
(e) Concrete Walks.....	Square Foot
(f) Monolithic Curb and Sidewalks .....	Square Foot or Foot
(g) ____ Concrete Surfacing .....	Square Foot
(h) Concrete Stairs .....	Cubic Yard
(i) Concrete Bus Shelter Pads .....	Each
(j) Concrete Mowing Strip.....	Foot
(k) Extra for New Curb Ramps .....	Each
(l) Truncated Domes on New Surfaces .....	Square Foot
(m) Truncated Domes on Existing Surfaces .....	Square Foot
(n) Bus Pads.....	Square Foot

In item (a) the type of curb will be inserted in the blank, if appropriate. Item (a) includes the curb runs constructed adjacent to the curb ramps.

Item (b) includes traffic separators.

Items (c) and (d) include monolithic curb at driveway locations.

Items (e) and (f) include the area of new concrete curb ramps within the footprint of the Concrete Walks or Monolithic Curb and Sidewalks.

Item (f) includes the curb runs constructed adjacent to the curb ramps.

In item (g), the specified thickness, or type, of concrete Surfacing will be inserted in the blank, if appropriate.



00759.90

Item (h) includes pipe handrail.

Item (k) includes the additional Work required to construct a curb ramp or replace an existing curb ramp. When replacing an existing curb ramp or retrofitting a curb ramp into an existing concrete pedestrian facility, Item (k) also includes saw cutting and removal. Payment for the area of the curb ramp will be made under the concrete walks Pay Item.

Item (l) includes installation of truncated domes on a new concrete or asphalt surface.

Item (m) includes installation of truncated domes on an existing concrete or asphalt surface.

Payment will be payment in full for furnishing and placing all Materials, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

When earthwork is included as separate Pay Items, payment will be made according to 00330.90 through 00330.94 as appropriate.

When earthwork is not included as separate Pay Items, no separate or additional payment will be made for earthwork.

Aggregate will be paid for according to 00640.90 or 00641.90 as appropriate.

No separate or additional payment will be made for Curb Ramp Working Drawings, Curb Ramp Plan, Preplacement Conference, concrete form verification, or any necessary repair or removal and replacement of Curb Ramps. No separate or additional payment will be made for providing supervisory personnel who have an active ODOT ADA Certification for Contractors to directly supervise the curb ramp Work.



Slope 5.0% normal.  
Slope 4.0% max. at curb ramps.  
Vary slope as reqd. for drainage.  
Vary where shown on plans.

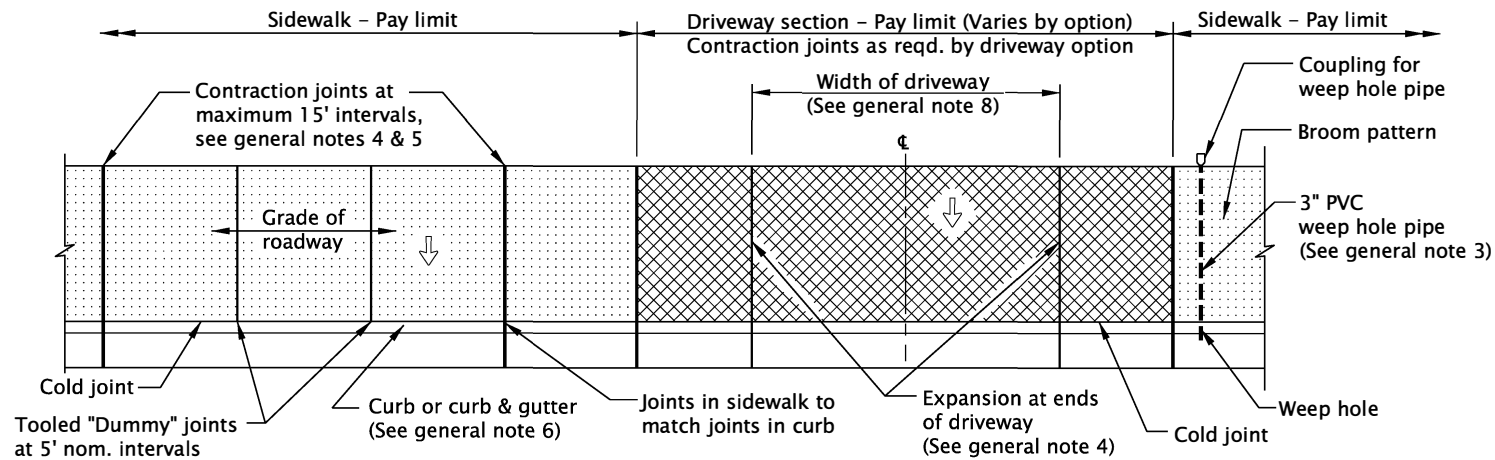


5. Tops of all curbs shall slope toward the roadway at 1.5% max. (Max. 2.0% finished surface slope), unless otherwise shown, or as directed.
6. Dimensions are nominal, vary to conform with curb machine approved by the engineer.
7. Dimensions adjacent to radii are measured to the point of intersection of curb surfaces.
8. For sidewalk details, and monolithic curb & sidewalk, see Std. Dwgs. RD720 & RD721.
9. For drainage curbs, see Std. Dwg. RD701.
- 10a. For curb ramp details, see Std. Dwgs. RD900 series
11. Curb and gutter is required at curb ramp.

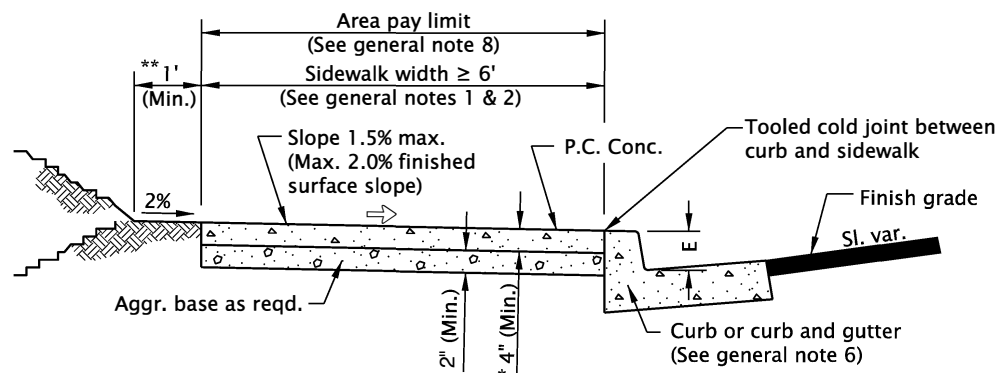
*The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.*

rd720.dgn 20-JUL-2020

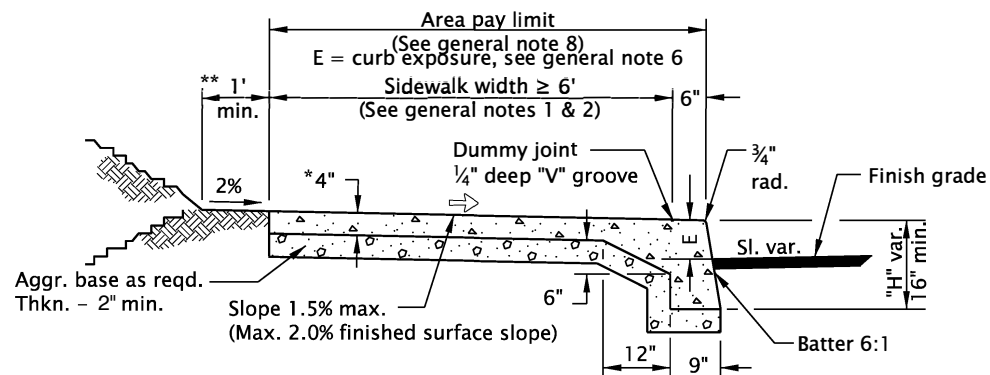
RD720



TYPICAL PLAN VIEW - CURB LINE SIDEWALK



TYPICAL CURB SIDEWALK CROSS SECTION



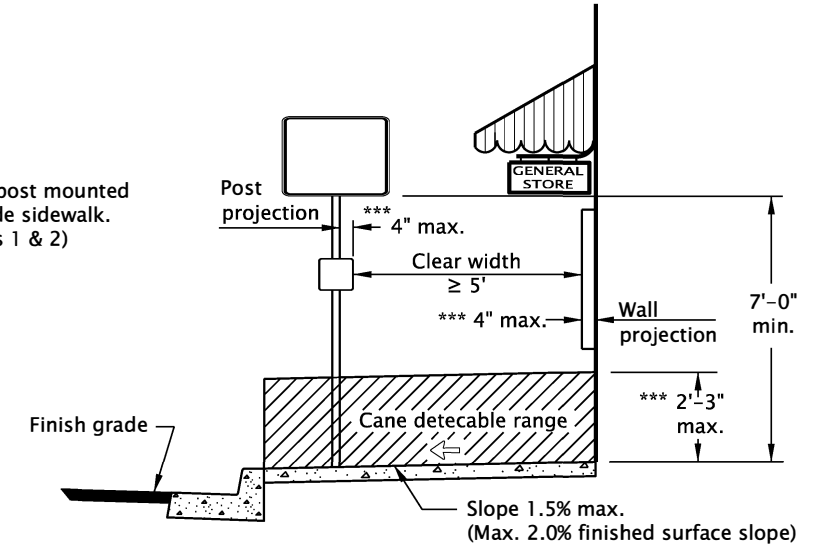
TYPICAL MONOLITHIC CURB & SIDEWALK CROSS SECTION

MUST BE APPROVED BY CITY ENGINEER; E = curb exposure, see general note 6

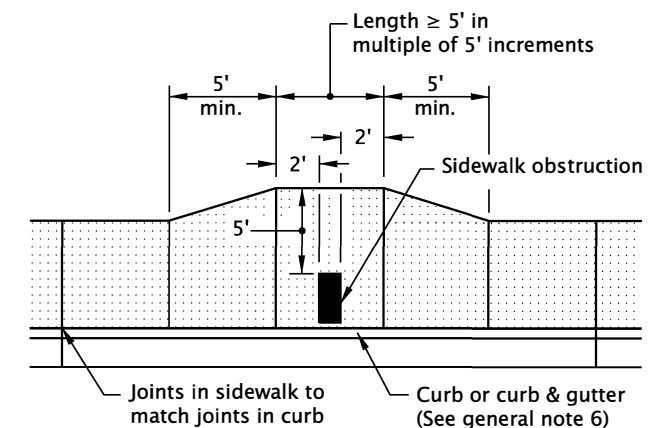
- \* Min. 4" or as specified in plans. A thickness  $\geq 6"$  if sidewalk is intended as portion of a driveway or mountable curb is used.
- \*\* Provide compacted backfill adjacent to curb and sidewalk

\*\*\* Objects with base below 2'-3" may protrude any distance as long as the 5' circulation path is maintained. When an object with a base higher than 2'-3" protrudes further than 4" provide a detection below protrusion to delineate edge.

Building, wall, or post mounted obstruction outside sidewalk. (See general notes 1 & 2)



CLEAR CIRCULATION PATH



REQUIRED SIDEWALK WIDENING AROUND OBSTRUCTIONS

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
2. Curb type and sidewalk width as shown on plans or as directed. 5' wide sidewalk allowed as infill. On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
3. Install 3" pvc weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Std. Dwg. RD700 for weep hole details.
4. Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other fixtures which protrude through or against the structures. For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Std. Dwg. RD722 for expansion joints details.
5. Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joints details.
6. For curb details, see Std. Dwgs. RD700 & RD701. City of The Dalles standard E=6".

7. Sidewalk details are based on applicable ODOT standards.
8. Fully lowered sidewalk shown; see project plans for the driveway design specified. For driveway details not shown, see Std. Dwgs. RD725, RD730, RD735, RD740, RD745 & RD750.
9. See project plans for details not shown.

LEGEND

- ▨ Sidewalk pay limit.
- ▨ Driveway pay limit, varies by option, (See general note 8).
- ← Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

CALC. BOOK NO. N/A

SDR DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current City of The Dalles Standard Specifications

CITY OF THE DALLES STANDARD DRAWINGS

CURB LINE SIDEWALKS

2022

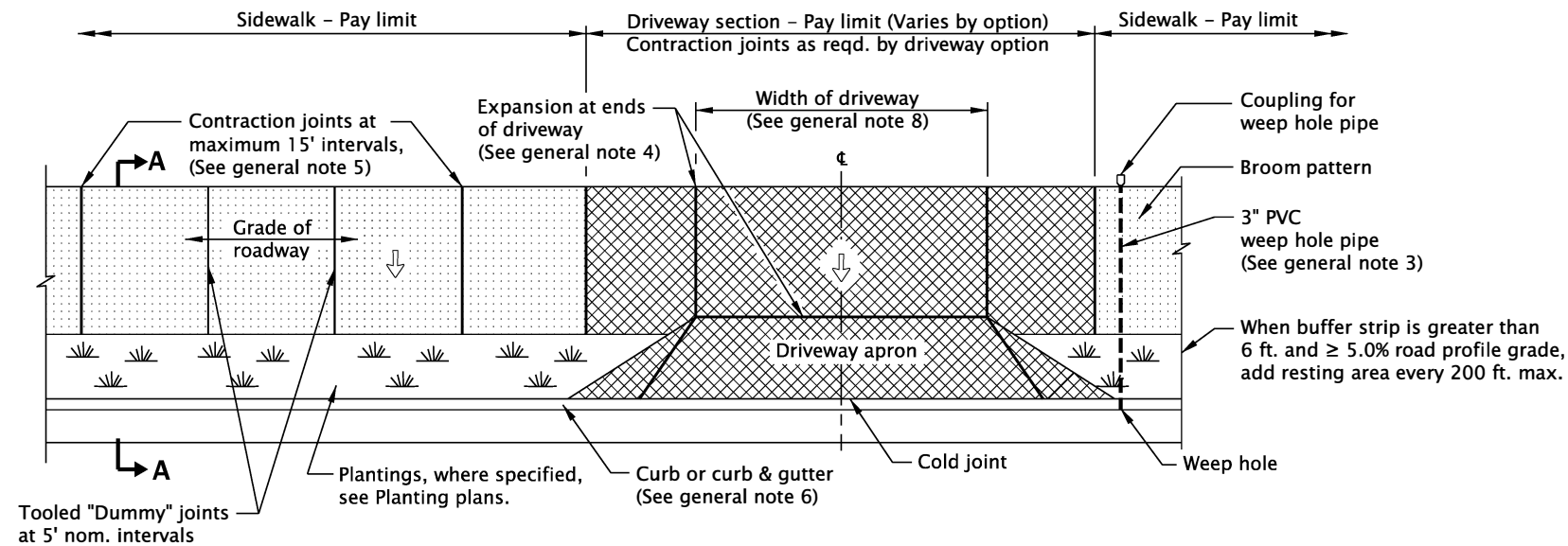
DATE	REVISION	DESCRIPTION

*The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.*

Effective Date: January 1, 2022 – December 31, 2022

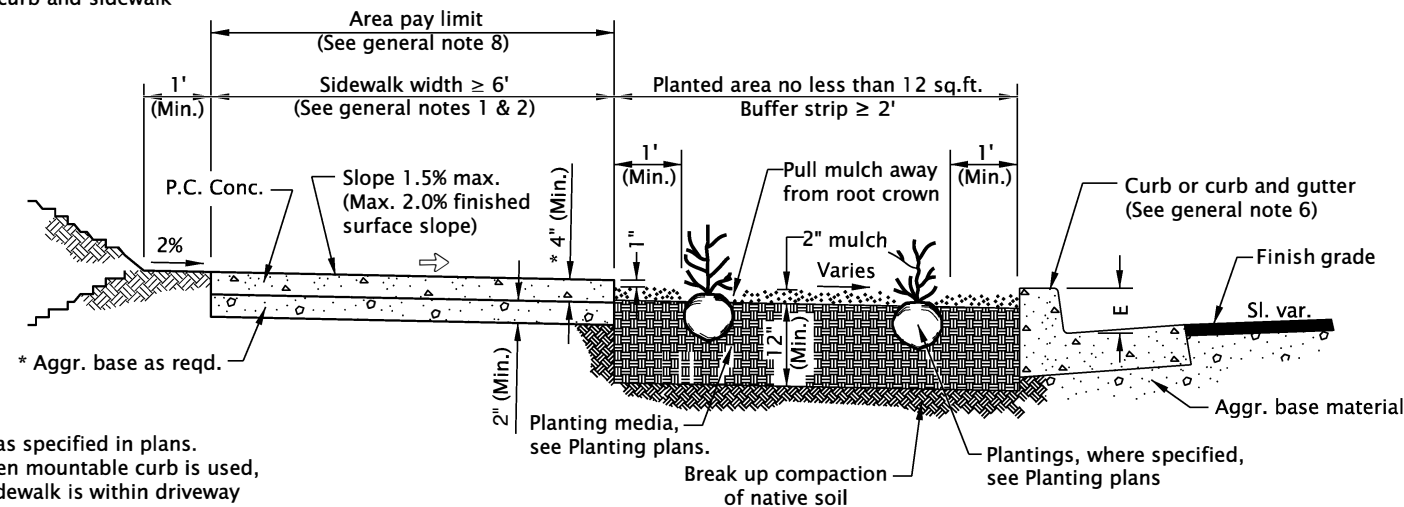
RD720

rd721.dgn 20-JUL-2020



TYPICAL PLAN VIEW - SEPARATED SIDEWALK

Provide compacted backfill adjacent to curb and sidewalk



\* Min. 4" or as specified in plans.  
Min. 6" when mountable curb is used,  
or when sidewalk is within driveway  
pay limits.

SECTION A-A

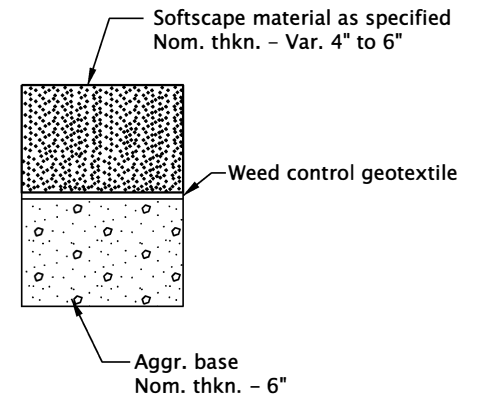
TYPICAL SETBACK SIDEWALK CROSS SECTION

E = curb exposure, see general note 6

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
2. Curb type and sidewalk width as shown on plans or as directed. 5' sidewalk width allowed as infill. On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
3. Install 3" pvc weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Std. Dwg. RD700 for weep hole details.
4. Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other fixtures which protrude through or against the structures. For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Std. Dwg. RD722 for expansion joint details.

5. Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joint details.
6. Curb and gutter shown; see project plans for the curb design specified. For curb details, see Std. Dwgs. RD700 & RD701. City of The Dalles standard E=6".
7. Sidewalk details are based on ODOT applicable standards.
8. Driveway encroaches into sidewalk shown; see project plans for the driveway design specified. For driveway details not shown, see Std. Dwgs. RD725, RD730, RD735, RD740, RD745 & RD750.
9. See project plans for details not shown.
10. Provide plantings in areas 12 SF or greater, as shown or directed. Treat areas less than 12 SF with mulch surfacing.



NON-PLANTED SOFTSCAPE CROSS SECTION

NOTES:

- 1 Use softscape materials allowed by jurisdiction.
2. Approved softscape materials:
  - a) Loose, durable round rock 2"-4" in diameter
  - b) Lava rock 2"-4" diameter
  - c) Wood chips/bark mulch
  - d) Sand
3. No crushed aggregate or pea gravel allowed.
4. Install softscape material flush with the top of sidewalk.

LEGEND

- Sidewalk pay limit.
- Driveway pay limit, varies by option, (See general note 8).
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

CALC. BOOK NO. N/A

SDR DATE 20-JUL-2020

NOTE: All material and workmanship shall be in accordance with the current City of The Dalles Standard Specifications

CITY OF THE DALLES STANDARD DRAWINGS

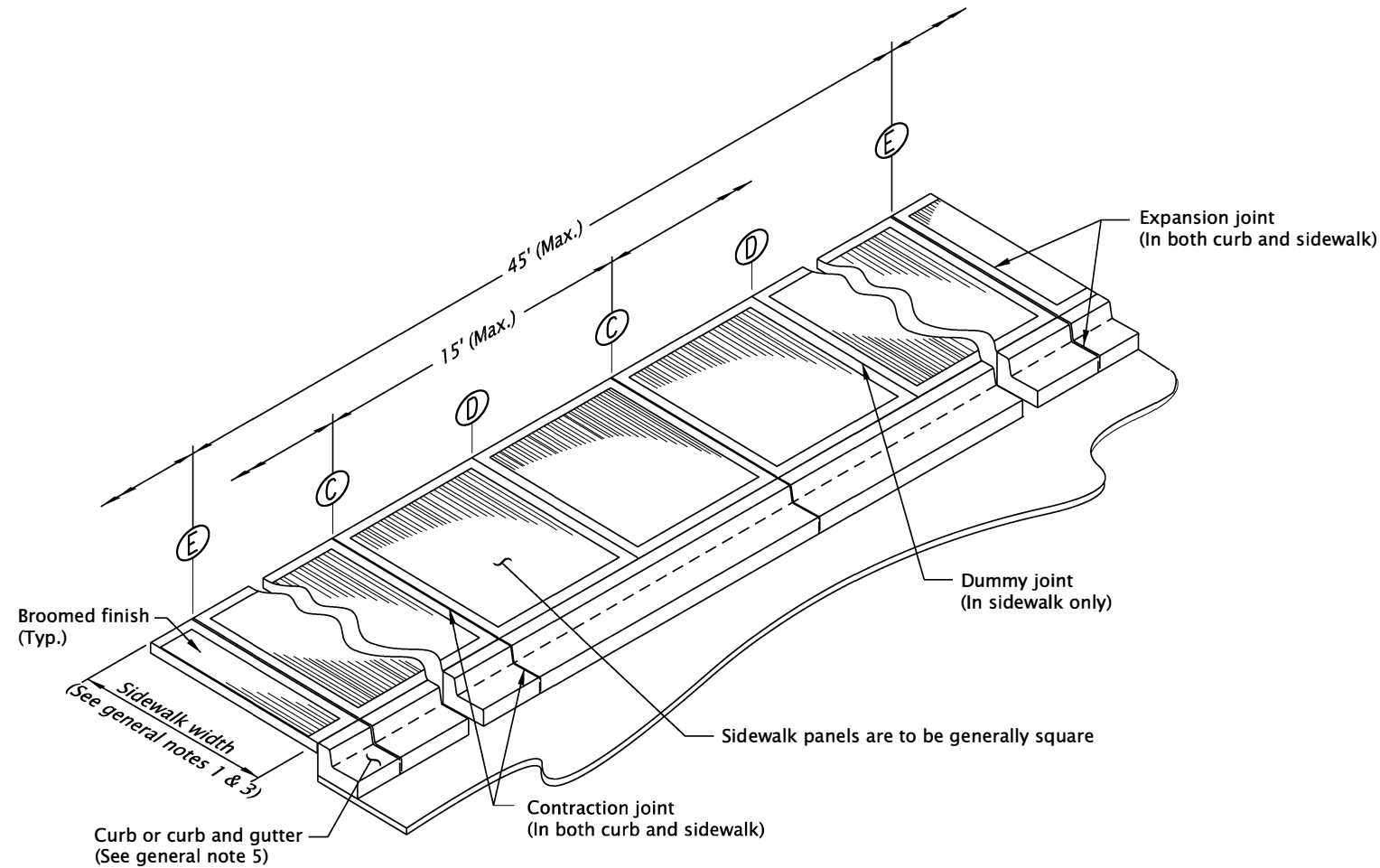
SEPARATED SIDEWALKS

2022

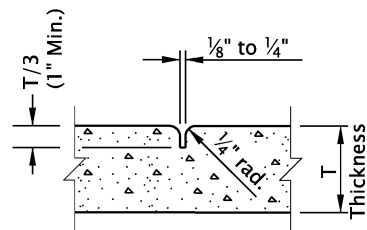
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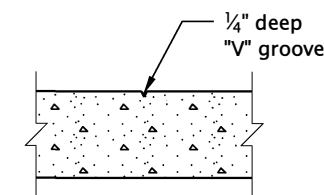
RD721



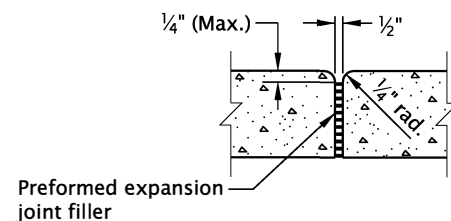
**JOINT DETAIL**  
(Curb line sidewalk with curb and gutter shown)



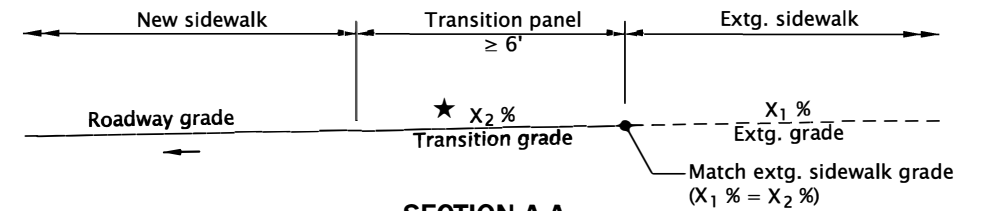
**© CONTRACTION JOINT**  
(See general note 6)



**© DUMMY JOINT**

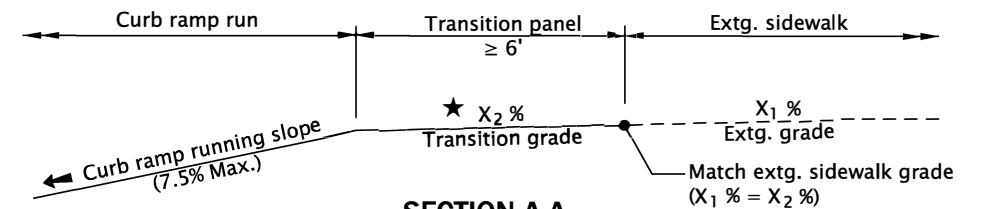


**© EXPANSION JOINT**  
(See general notes 2 & 5)

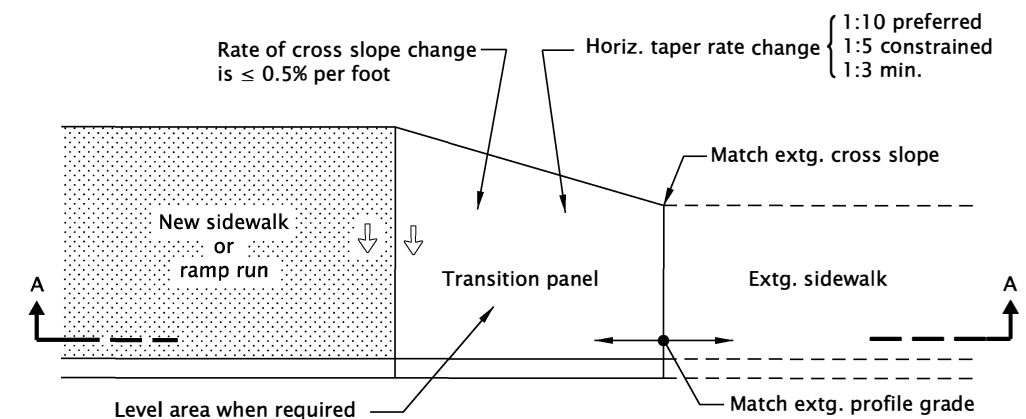


**SECTION A-A**  
(SIDEWALK TRANSITION PANEL SHOWN)

★ Project the existing sidewalk profile grade through transition panel to new sidewalk or curb ramp run.



**SECTION A-A**  
(CURB RAMP TRANSITION PANEL SHOWN)



**PLAN**  
**SIDEWALK AND CURB RAMP TRANSITION PANELS**

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. See Std. Dwgs. RD720 & RD721 for concrete sidewalk details. See project plans for sidewalk width, placement and design specified.
2. Provide expansion joints around poles, boxes, at ends of each driveway and other fixtures which protrude through or against the structures. For sidewalk, monolithic curb and sidewalk, construction expansion joints at 45' max. spacing.
3. On sidewalks 8' and wider, provide a longitudinal joint at the midpoint of sidewalk panel.
4. See Std. Dwgs. RD700 & RD701 for concrete curb details. See project plans for the curb design specified.
5. For curb ramps, do not place expansion joints within the limits of curb ramps and between separate concrete pours.
6. Const. contraction joints at 15' max. spacing, and at each curb ramp, driveway, sidewalk and curb.

LEGEND:

- New sidewalk or ramp run
- Slope 1.5% max.  
(Max. 2.0% finished surface slope)  
(Normal sidewalk cross slope)
- Slope 7.5% max.  
(Max. 8.3% finished surface slope)
- Zero exposure

CALC. BOOK NO. N/A

SDR DATE 20-JUL-2020

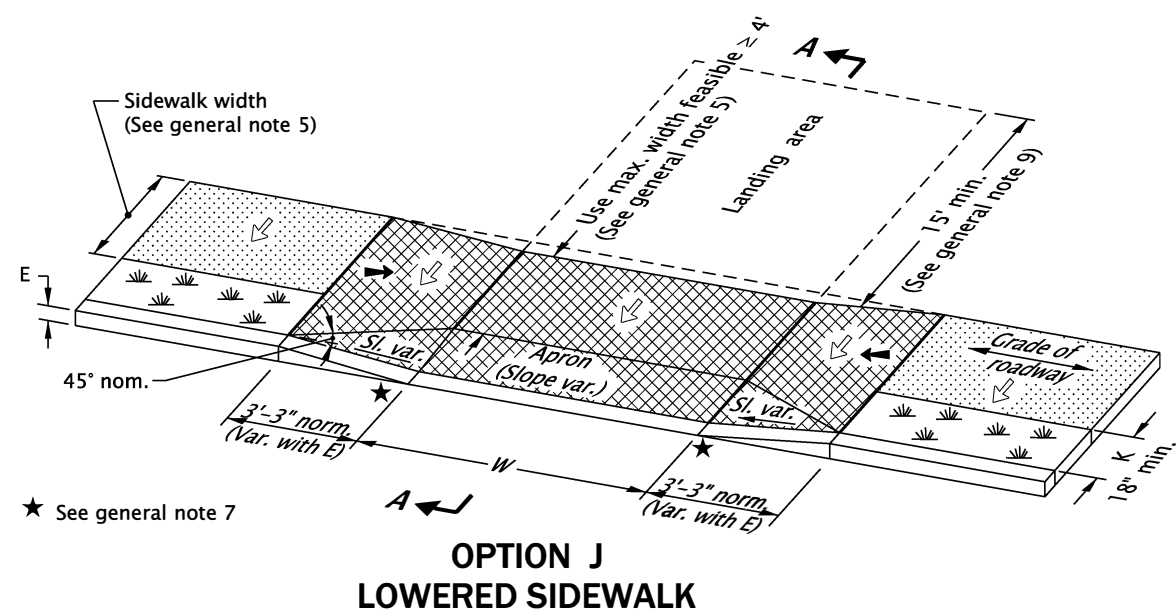
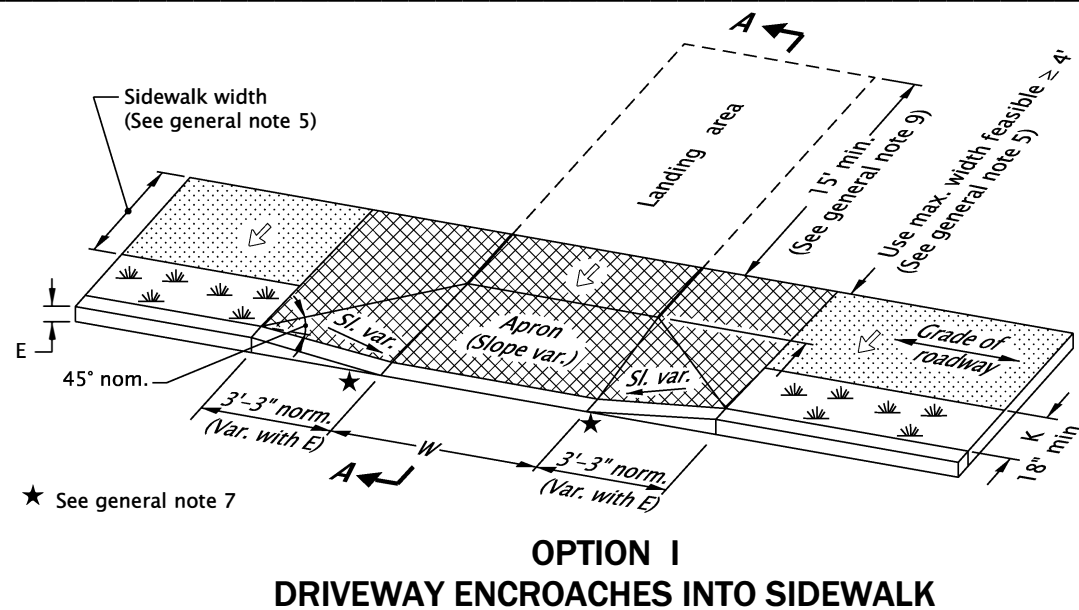
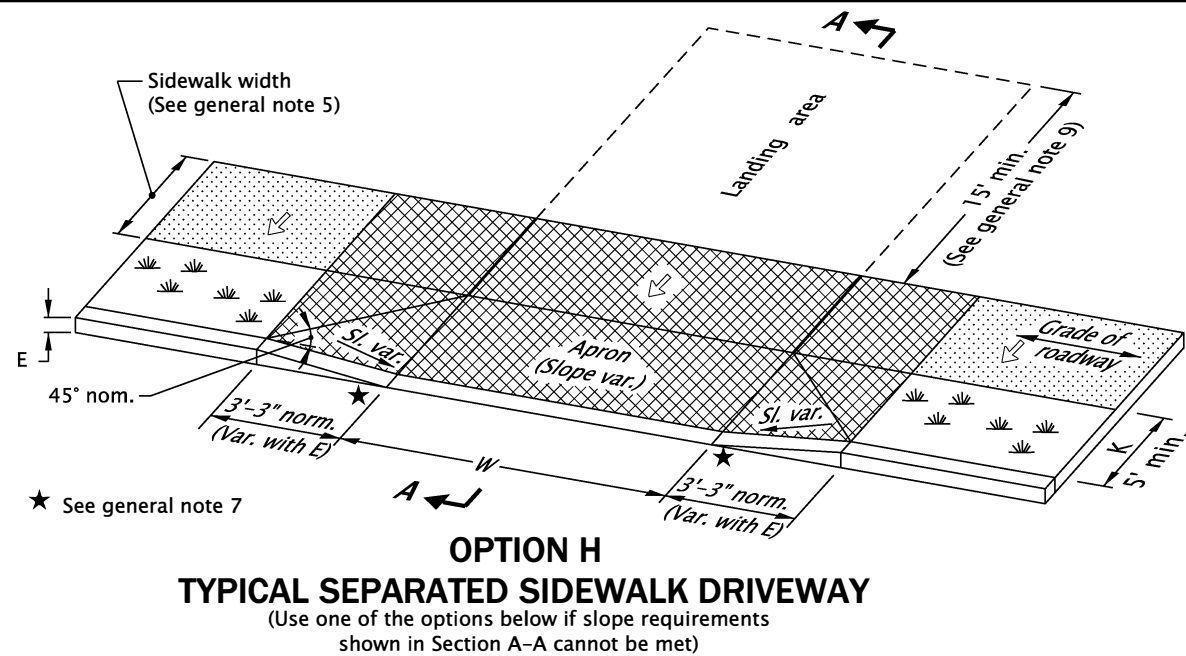
NOTE: All material and workmanship shall be in accordance with the current City of The Dalles Standard Specifications

**CITY OF THE DALLES STANDARD DRAWINGS**

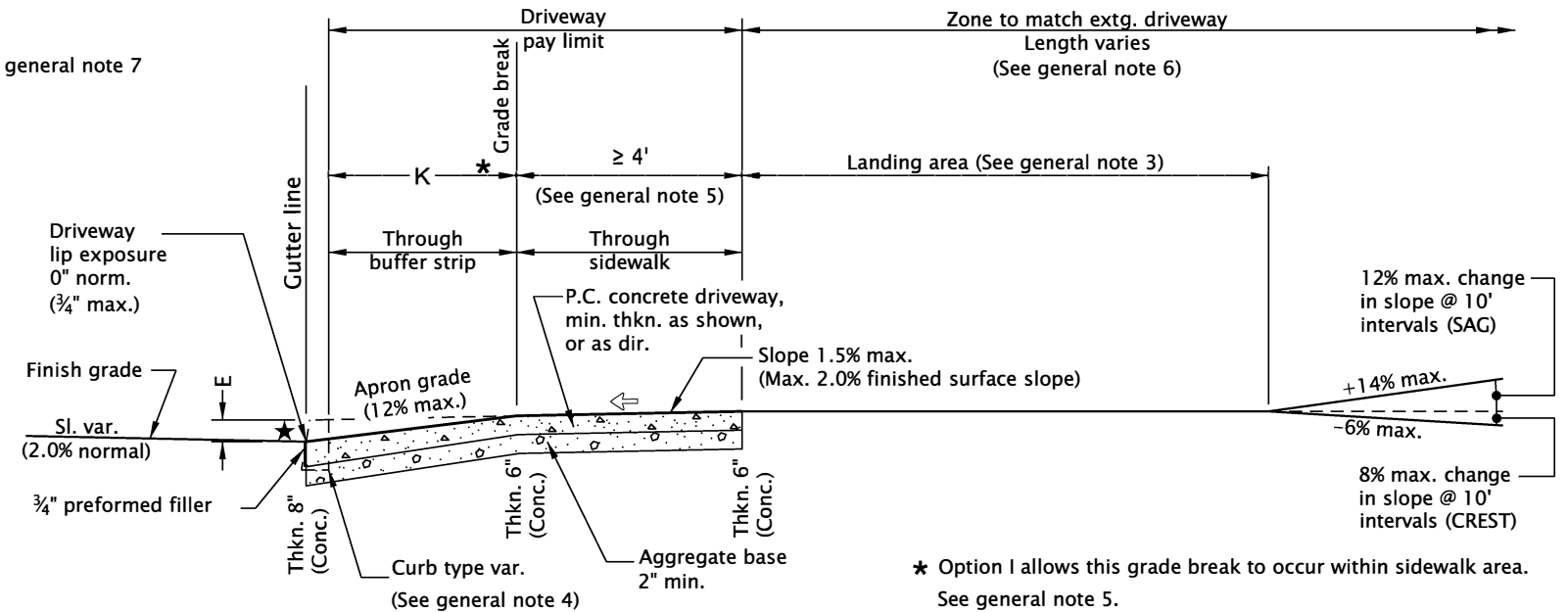
**SIDEWALK JOINTS AND TRANSITION PANELS**

2022

DATE	REVISION	DESCRIPTION



★ See general note 7



★ Option I allows this grade break to occur within sidewalk area.  
See general note 5.

#### GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Details are based on applicable ODOT Standards.
- Only use details approved by City.
- The following dimensions are as shown on plans, or as directed: driveway width, driveway slope, sidewalk width, buffer strip width, curb exposure, driveway lip exposure, landing area length and width. See project plans for details not shown.
- Curb, gutter, and sidewalk types varies, see plans. See Std. Dwgs. RD700 & RD701 for curb details. See Std. Dwg. RD721 for sidewalk details. See Std. Dwg. RD722 for joint details.
- A greater than or equal 4' unobstructed clear passage with cross slope 1.5% max. (Max. 2.0% finished surface slope) is required behind driveway apron.
- Where existing driveway is in good condition, and meets slope requirements, construct only as much landing area as required for satisfactory connection with new work.
- Check the gutter flow depth at driveway locations to assure that the design flood does not overtop the back of sidewalk at driveway. If overtopping occurs place an inlet at upstream side of driveway or perform other approved design mitigation.
- Construct a full depth expansion joints with 1#2" (In) preformed joint filler at ends of each driveway. Tooled joints are required at all driveway slope break lines.
- 15' min. of the driveway behind the sidewalk should be surfaced to prevent tracking of gravel onto the sidewalk.

#### LEGEND:



Sidewalk



Driveway pay limit  
(See project plans for details not shown)



Cross slope 1.5% max.  
(Max. 2.0% finished surface slope)  
(Normal sidewalk cross slope)



Running slope 7.5% max.  
(Max. 8.3% finished surface slope)

W Width of driveway

K Buffer strip width

E Curb exposure

CALC. BOOK NO. N/A

SDR DATE 20-JUL-2020

NOTE: All material and workmanship shall be in accordance with the current City of The Dalles Standard Specifications

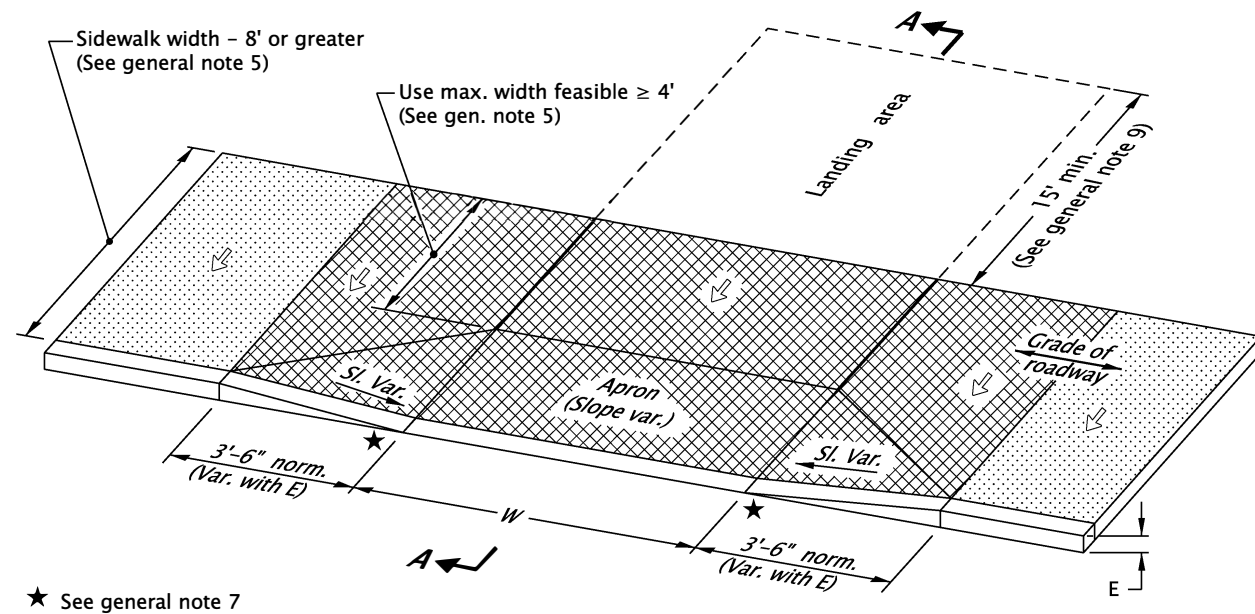
**CITY OF THE DALLES STANDARD DRAWINGS**

**SEPARATED SIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS H, I & J)**

2022

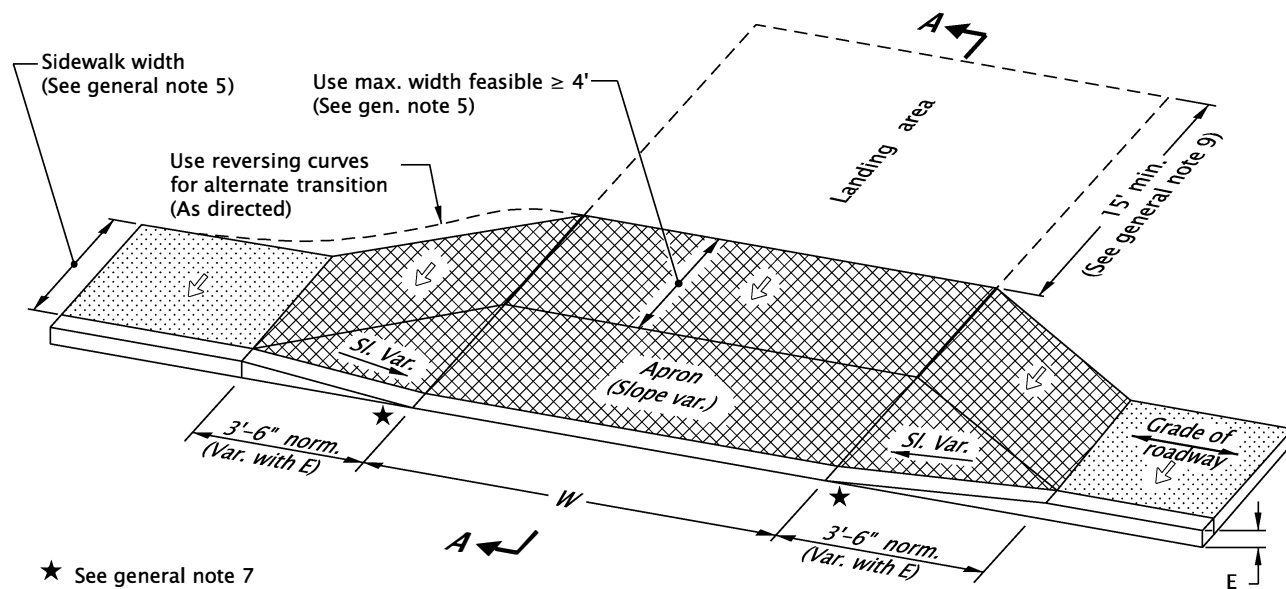
DATE	REVISION	DESCRIPTION

*The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.*



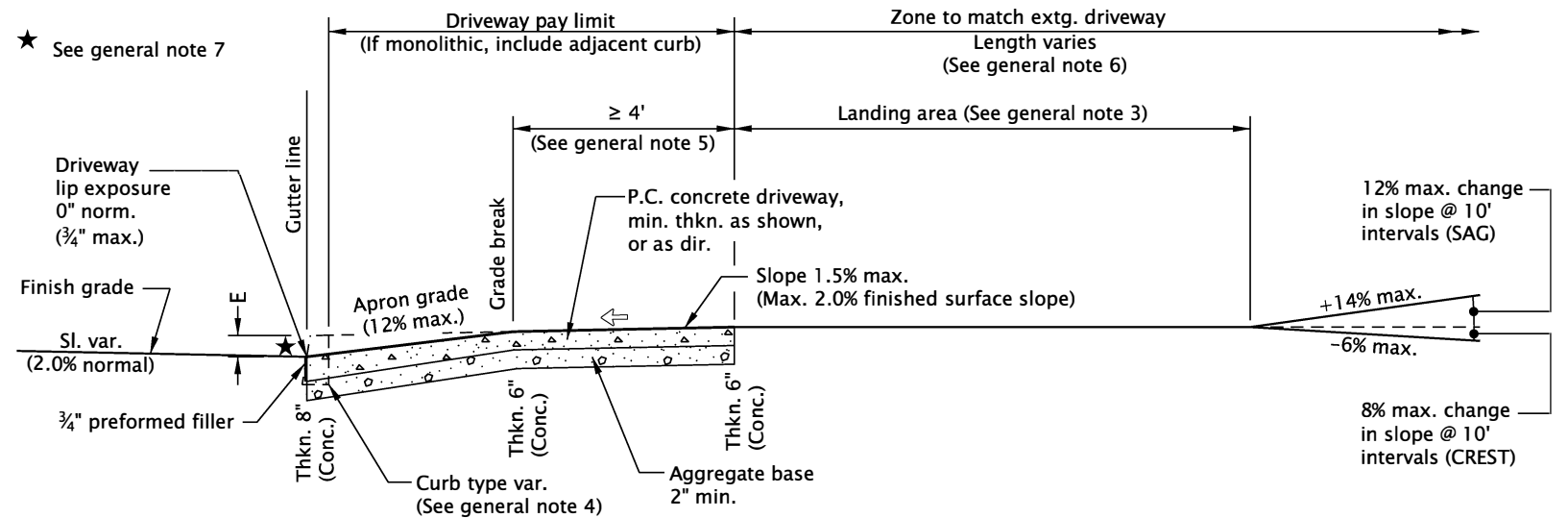
★ See general note 7

**OPTION K**  
**DRIVEWAY IN WIDE (8' OR GREATER) SIDEWALK**



★ See general note 7

**OPTION L**  
**SIDEWALK WRAPPED AROUND DRIVEWAY**



**SECTION A-A**

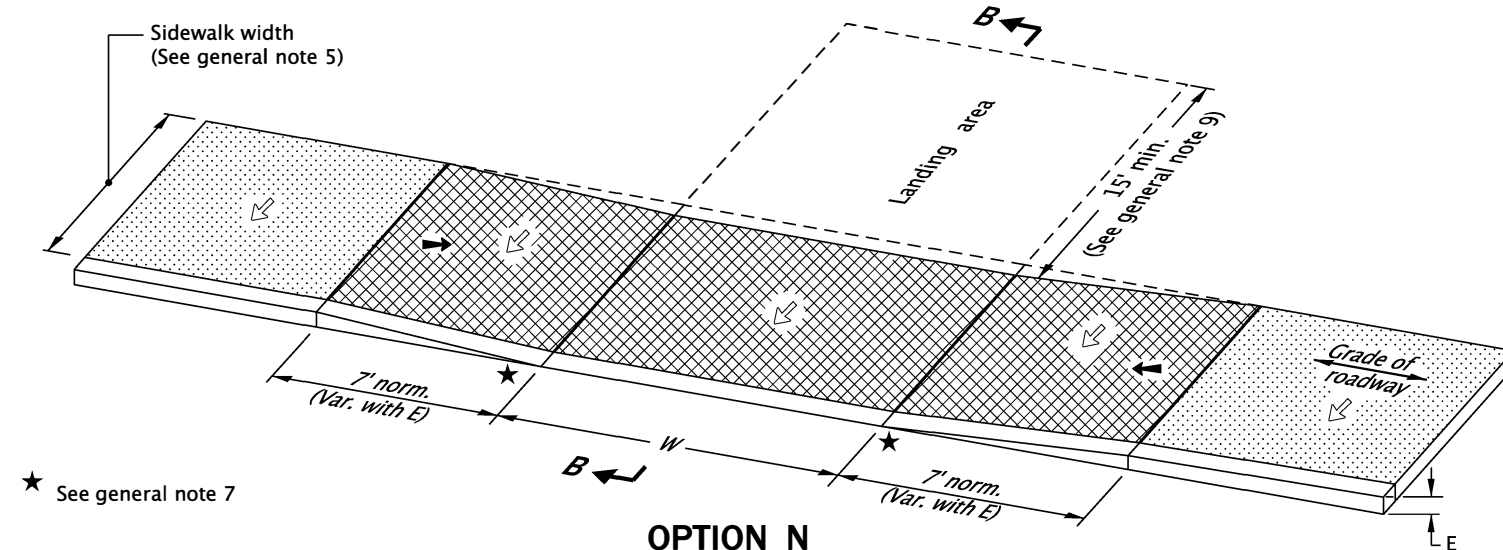
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Details are based on applicable ODOT Standards.
- Only use details approved by City.
- The following dimensions are as shown on plans, or as directed: driveway width, driveway slope, sidewalk width, curb exposure, driveway lip exposure, landing area length and width. See project plans for details not shown.
- Curb, gutter, and sidewalk types varies, see plans. See Std. Dwg. RD700 & RD701 for curb details. See Std. Dwg. RD720 for sidewalk details. See Std. Dwg. RD722 for joint details.
- A greater than or equal 4' unobstructed clear passage with cross slope 1.5% max. (Max. 2.0% finished surface slope) is required behind driveway apron.
- Where existing driveway is in good condition, and meets slope requirements, construct only as much landing area as required for satisfactory connection with new work.
- Check the gutter flow depth at driveway locations to assure that the design flood does not overtop the back of sidewalk at driveway. If overtopping occurs place an inlet at upstream side of driveway or perform other approved design mitigation.
- Construct a full depth expansion joints with 1/2" preformed joint filler at ends of each driveway. Tooled joints are required at all driveway slope break lines.
- 15' min. of the driveway behind the sidewalk should be surfaced to prevent tracking of gravel onto the sidewalk.
- Monolithic curb & sidewalk shall retain thickened edge through lowered profile, to accommodate driveway use. See Std. Dwg. RD720 for details.

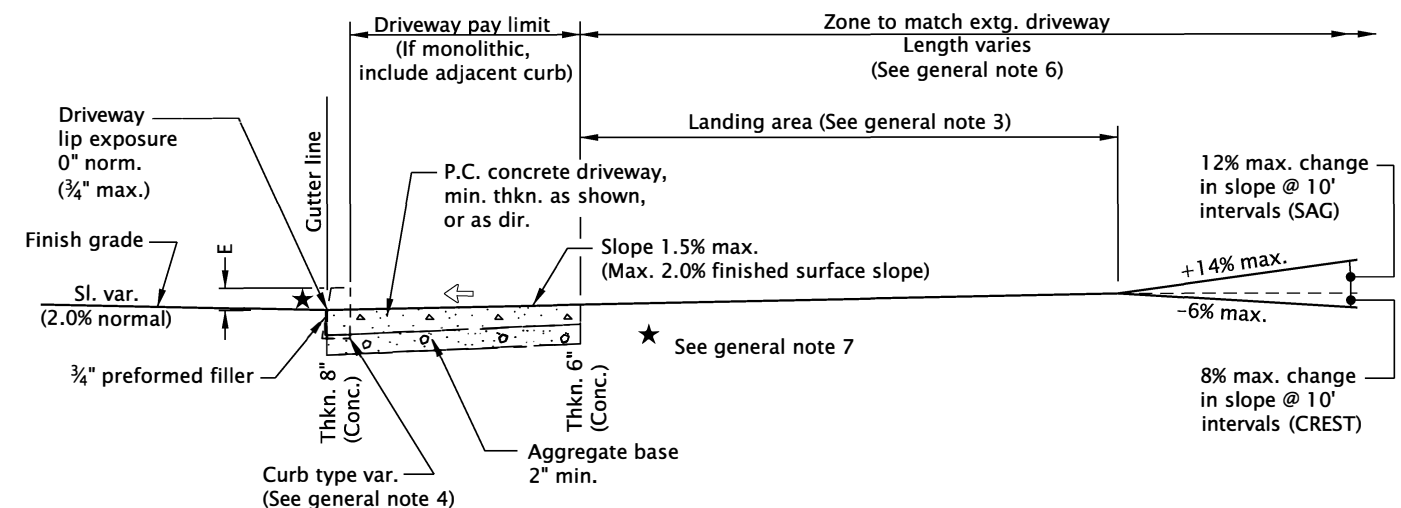
LEGEND:

- Sidewalk
- Driveway pay limit (If monolithic, include adjacent curb) (See project plans for details not shown)
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
- W Width of driveway
- E Curb exposure

CALC. 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## OPTION N FULLY LOWERED SIDEWALK



## SECTION B-B

1. Details are based on applicable ODOT Standards.
2. Only use details approved by City.
3. The following dimensions are as shown on plans, or as directed: driveway width, driveway slope, sidewalk width, curb exposure, driveway lip exposure, landing area length and width. See project plans for details not shown.
4. Curb, gutter, and sidewalk types varies, see plans.  
See Std. Dwgs. RD700 & RD701 for curb details.  
See Std. Dwg. RD720 for sidewalk details  
See Std. Dwg. RD722 for joint details.
5. A greater than or equal 4' unobstructed clear passage with cross slope 1.5% max. (Max. 2.0% finished surface slope) is required behind driveway apron.
6. Where existing driveway is in good condition, and meets slope requirements, construct only as much landing area as required for satisfactory connection with new work.
7. Check the gutter flow depth at driveway locations to assure that the design flood does not overtop the back of sidewalk at driveway.  
If overtopping occurs place an inlet at upstream side of driveway or perform other approved design mitigation.
8. Construct a full depth expansion joints with 1#2" (In) preformed joint filler at ends of each driveway.  
Tooled joints are required at all driveway slope break lines.
9. 15' min. of the driveway behind the sidewalk should be surfaced to prevent tracking of gravel onto the sidewalk.
10. Monolithic curb & sidewalk shall retain thickened edge through lowered profile, to accommodate driveway use. See Std. Dwg. RD720 for details.

 Sidewalk

 Driveway pay limit (If monolithic,  
include adjacent curb)  
(See project plans for details not shown)

← Cross slope 1.5% max.  
(Max. 2.0% finished surface slope)  
(Normal sidewalk cross slope)

← Running slope 7.5% max.  
(Max. 8.3% finished surface slope)

**W** Width of driveway

E Curb exposure

CALC. BOOK NO.        N/ASDR DATE 20-JUL-2020

**NOTE:** All material and workmanship shall be in accordance with the current City of The Dalles Standard Specifications

**CITY OF THE DALLES STANDARD DRAWINGS**

**CURB LINE SIDEWALK**

**DRIVEWAYS OR ALLEYS (OPTIONS**

**M & N)**

2022

DATE	REVISION DESCRIPTION

*The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.*