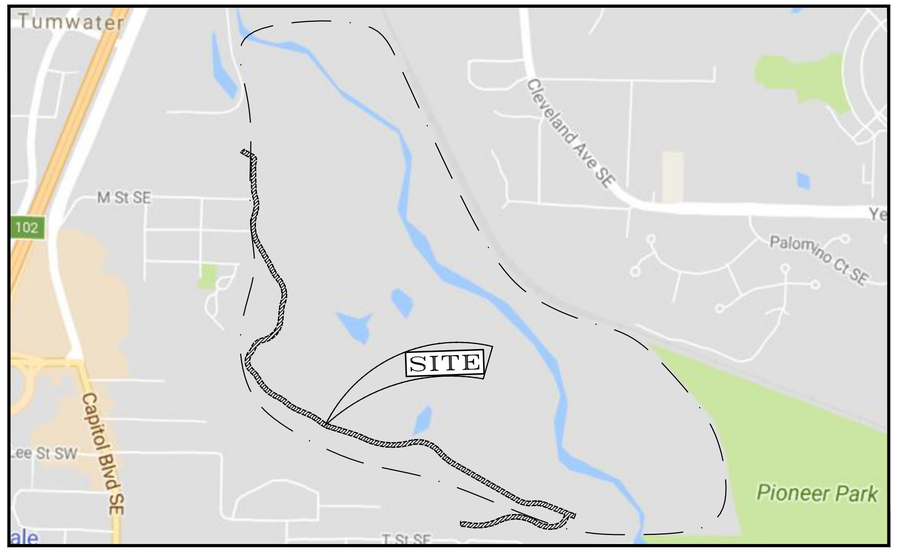
EXHIBIT 3

DESCHUTES VALLEY TRAIL
SEGMENT C

100% CONSTRUCTION DOCUMENTS

CITY OF TUMWATER



SEC. 35, T.18N, R.2W, W.M.

VICINITY MAP

NOT TO SCALE

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CITY OF TUMWATER

SCJ ALLIANCE
CONSULTING SERVICES

MAYOR

LEATTA DAHLHOFF

COUNCIL MEMBERS

ANGELA JEFFERSON
BRANDON WEEDON
JOAN CATHEY
EILEEN SWARTHOUT
MEGHAN SULLIVAN
PETER AGABI
KELLY VON HOLTZ

CITY ADMINISTRATOR

PAUL SIMMONS

PARKS AND RECREATION DEPARTMENT

CHUCK DENNEY
(360) 754-4160

TRANSPORTATION AND ENGINEERING DEPARTMENT

BRANDON HICKS, PE

APPROVED FOR CONSTRUCTION

PATRICK HOLLY — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

CV-01

File: 25-000313-C-CV-01.dwg Path: N:\Projects\0825 City of Tumwater\25-000313 Tumwater Deschutes Valley Trail\CADD\ Plotted by: audrey.nielsen Date: 20-Aug-26 12:43:34pm

ABBREVIATIONS:

APPROX	APPROXIMATELY
CL	CENTERLINE
CLR	CLEAR
CONC	CONCRETE
CSBC	CRUSHED SURFACING BASE COURSE
CSTC	CRUSHED SURFACING TOP COURSE
CURB	CEMENT CONCRETE TRAFFIC CURB
DIA	DIAMETER
EL/ELEV	ELEVATION
EQ	EQUALLY SPACED
ETC	ET CETERA
EX	EXISTING
FG	FINISHED GRADE
FT	FOOT
HMA	HOT MIX ASPHALT
IE	INVERT ELEVATION
IN	INCH
INCL	INCLUDING
K	XXX
LBS	POUNDS
LF	LINEAR FEET
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
NST	NO STEEPER THAN
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
R/W	RIGHT-OF-WAY
RT	RIGHT
SF	SQUARE FEET
STA	STATION
TBC	TOP BACK OF CURB
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
TYP	TYPICAL

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555 OR 811 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

2. THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND FACILITIES, WHERE SHOWN ON THE PLANS, ARE BASED ON AVAILABLE RECORDS AND MAY NOT ACCURATELY REFLECT THE ACTUAL LOCATIONS OR ELEVATIONS. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR LOCATING AND HAVING LOCATED ALL EXISTING UNDERGROUND UTILITIES AND OTHER FACILITIES DURING THE COURSE OF THE PROJECT. ANY DEVIATIONS FROM THE LOCATIONS SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

3. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. ALL UTILITY CROSSINGS MARKED OR SHOWN ON THE DRAWINGS SHALL BE POTHOLED AND FIELD DATA RECORDED PRIOR TO COMMENCING THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN REVISED PLANS OR APPROVAL PRIOR TO CONSTRUCTION.

4. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNS WITHIN THE PROJECT LIMITS. IF THE EXISTING TRAFFIC SIGNS ARE IN CONFLICT WITH THE CONSTRUCTION OPERATION, THE SIGNS SHALL BE TEMPORARILY RELOCATED AND MAINTAINED BY THE CONTRACTOR. UPON COMPLETION OF THE PROJECT, TRAFFIC SIGNS WILL BE RESET IN THEIR PROPER LOCATION. EXISTING TRAFFIC SIGNS CANNOT BE REMOVED UNTIL THE NEW SIGNS ARE PROPERLY INSTALLED AND ACCEPTED BY THE CITY.

5. WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE PROJECT SPECIFICATIONS AND THE 2026 WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION WHICH ARE HEREBY REFERENCED AS A PART OF THESE PLANS.

OWNER

CITY OF TUMWATER
555 ISRAEL RD SW
TUMWATER, WA 98501
(360) 754-4140
CONTACT: BILL LINDAUER, P.E.

CIVIL ENGINEER

SCJ ALLIANCE
8730 TALLON LANE NE, SUITE 200
LACEY, WA 98516
(360) 352-1465
CONTACT: PATRICK HOLM, P.E.

SURVEYOR

DAVID EVANS AND ASSOCIATES, INC.
703 DOUGLAS FIR DR.
MAGNOLIA, TX 77354
(360) 628-5016
CONTACT: RYNEA EDWARDS

STRUCTURAL ENGINEER

SARGENT ENGINEERS INC
320 RONLEE LANE NW,
OLYMPIA WA 98502
(360) 867-9284

GEOTECHNICAL ENGINEER

SAGE GEOTECHNICAL.
2840 CRITES ST SW STE 104
TUMWATER, WA 98512
(360) 259-7660
CONTACT: LANCE LEVINE, P.E.

GOVERNING AGENCIES

CITY OF TUMWATER
555 ISRAEL RD SW
TUMWATER, WA 98501
(360) 252-5499
CONTACT: JARED VERHEY, P.E.

UTILITIES

COMMUNICATIONS

LUMEN (CENTURY LINK)
CHRIS MCCALL
(360) 504-0481

COMCAST
TED AXTELL
(253) 878-2794

AT&T
JOSH COGGINS
(253) 209-0260

PUGET SOUND ENERGY

PSE POWER
JAMES LENGEL
O:(425) 449-7472
C:(425) 449-9954

PSE GAS
ANTHONY FAY
C:(425) 213-2514

PSE FIBER - MAIN CONTACT
CHRIS MANTLE
(425) 248-5632

WATER/SEWER/STORM

CITY OF TUMWATER
WATER RESOURCES &
SUSTAINABILITY
555 ISRAEL RD SW
TUMWATER, WA 98501
(360) 754-4140

DATUM:

HORIZONTAL
BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91 WASHINGTON SOUTH ZONE.
PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

THE FOLLOWING MONUMENTS WERE USED:
GP34005-4T - NGS CONTROL DISC SET IN CONCRETE AT SURFACE OF ROAD AT ENTRANCE TO TUMWATER VALLEY GOLF COURSE.
NORTHING: 619421.184
EASTING: 1040781.301

6037 - WEST QUARTER CORNER SECTION 35, T18N, R2W, 2.5" BRASS DISC IN 2" IRON PIPE, 0.5' BELOW SURFACE, IN NORTH GRAVEL SHOULDER OF 'M' ST SE.
NORTHING: 618260.214
EASTING: 1039865.571

VERTICAL
NGVD 29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING SIDEWALK
- EXISTING CURB
- EXISTING EDGE OF ASPHALT
- EXISTING EDGE DRIVEWAY
- EXISTING FENCE
- EXISTING BUILDING
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- EXISTING FORCE MAIN
- EXISTING STORM SEWER
- EXISTING GAS
- EXISTING OVERHEAD POWER
- EXISTING UNDERGROUND POWER
- EXISTING UNDERGROUND TELEPHONE
- EXISTING UNDERGROUND FIBER OPTICS
- EXISTING UNDERGROUND CABLE
- ORDINARY HIGH WATER MARK
- EXISTING IRRIGATION
- WETLAND BOUNDARY
- WETLAND BUFFER
- DEMO TURF LINE
- RETAINING WALL
- EXISTING CATCH BASIN TYPE 1
- EXISTING CATCH BASIN TYPE 2
- EXISTING HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING WATER FAUCET
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SEWER CLEANOUT
- EXISTING POWER POLE
- EXISTING JUNCTION BOX
- EXISTING JUNCTION BOX
- EXISTING LUMINARIE
- EXISTING GUY WIRE
- EXISTING POWER VAULT
- EXISTING GAS METER
- EXISTING SHRUB
- EXISTING CONIFER TREE
- EXISTING DECIDUOUS TREE
- EXISTING DOUGLAS-FIR TREE
- EXISTING MAPLE TREE
- EXISTING MAILBOX
- MONUMENT IN CASE
- BRASS CAP MONUMENT
- EXISTING SIGN & POST
- EXISTING SIGN & DOUBLE POST
- EXISTING DOUBLE SIGN

PROPOSED LEGEND

- TRAIL CENTERLINE
- HMA TRAIL
- GRAVEL SHOULDER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- CEMENT CONC. TRAFFIC CURB
- SAFETY FENCE & POLE
- MAJOR CONTOUR
- MINOR CONTOUR
- APPROX. FILL LINE
- APPROX. CUT LINE
- CATCH BASIN TYPE 1
- 8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE
- POWER LINE
- PROPOSED WATER MAIN
- RECLAIMED WATER
- PROPOSED WATER VALVE
- PROPOSED WATER METER
- PROPOSED THRUST BLOCK
- ROCK CHECK DAM
- DITCH
- INFILTRATION TRENCH
- REDI ROCK RETAINING WALL
- TYPE 3 CHAIN LINK FENCE
- MULTI-USE PATH MARKINGS
- ADA ACCESSIBILITY
- ACCESSIBILITY SIGN AND POST
- ADA PARKING STRIPING
- BOLLARD TYPE 1
- EDGE OF FULL DISPERSION
- SIGN NOTE
- TYPE 3 BARRICADE
- CONCRETE PAD
- ECOLOGY BLOCK
- ROCK EMBANKMENT
- SLOPE ARROW
- 8 INCH CAP
- BEND W/ THRUST BLOCKING
- DOUBLE CHAIN LINK GATE

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE 811 OR SUBMITTING AN ONLINE REQUEST AT WWW.CALLBEFOREYOUDIG.ORG/CONTACT.ASP A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-LN-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM, STATE OF WASHINGTON, 49470, REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

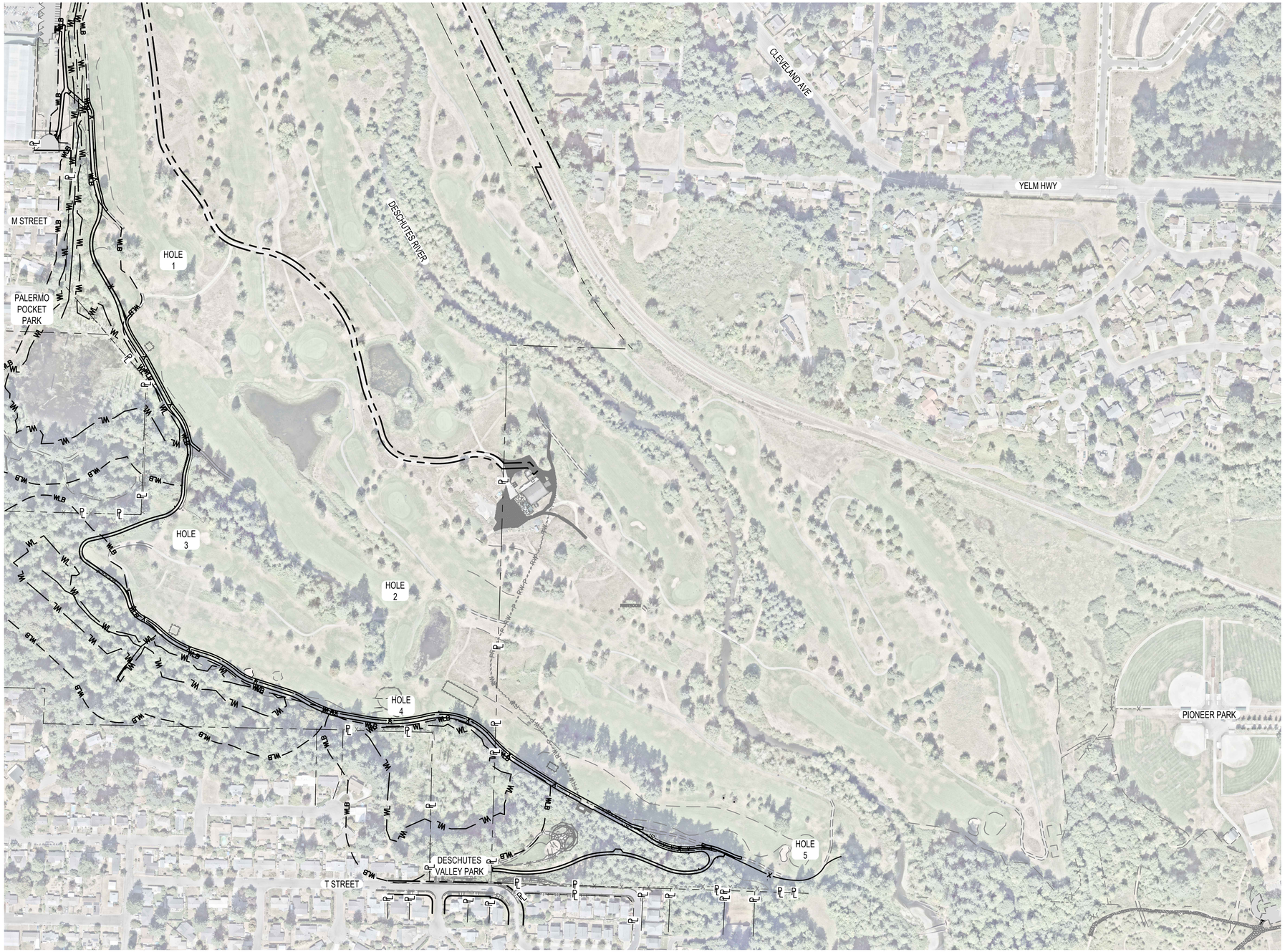
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION NOTES AND LEGEND

DRAWING No.: LN-01
SHEET No.: 2 OF 148

Aug 20, 2026 - 12:43:38pm - User: aufreydalsen
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SCALE IN FEET

Aug 20, 2026 1:14:12pm – User: audreynielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-LN-02.DWG

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-LN-02

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49170 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL SEGMENT C

PROJECT OVERVIEW C 150+00 - C 205+39

DRAWING No.: LN-02

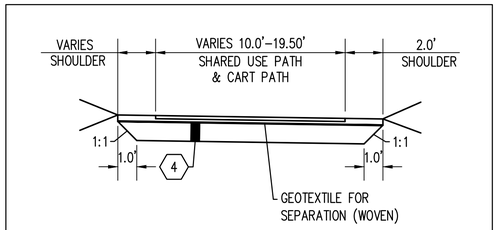
SHEET No.: 3 OF 148

TRAIL SECTION KEY NOTES:

1. 0.17' COMMERCIAL HMA.
2. 0.33' CRUSHED SURFACING BASE COURSE (CSBC), WSDOT STD SPEC 9-03.9(3).
3. 0.5' CRUSHED SURFACING BASE COURSE (CSBC), WSDOT STD SPEC 9-03.9(3).
4. 1.0' QUARRY SPALLS, SEE QUARRY SPALLS BASE DETAIL ON XS-01 FOR INSTALLATION DETAILS AND STATION LIMITS
5. 0.33' TOPSOIL TYPE A, SEE TYPICAL SPECIAL PROVISIONS AND SEE LANDSCAPE PLANS FOR SEEDING MIX.
6. POST CONSTRUCTION SOIL QUALITY, SEE SPECIAL PROVISIONS 8-02.3(5)D.
7. ROCK EMBANKMENT, SEE DETAIL ON TG-01.
8. SEE LANDSCAPE PLANS FOR SEEDING MIX.

TRAIL SECTION NOTES:

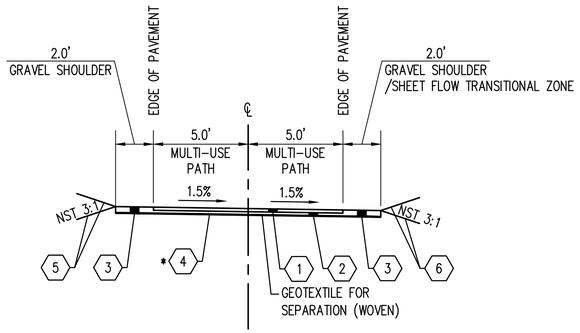
1. ALL SURFACING AND PAVING DEPTHS ARE COMPACTED DEPTHS.
2. NST = NO STEEPER THAN.
3. NTS = NOT TO SCALE.
4. SUBGRADE, CRUSHED SURFACING, AND GRAVEL BORROW SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED UNDER THE TEST DESCRIBED IN THE WSDOT STD SPEC 3-03.3(14)D.
5. HMA SHALL BE COMPACTED PER THE REQUIREMENTS IN THE SPECIAL PROVISIONS SECTION 5-04.
6. ALL BACKFILL MATERIAL SHALL BE EMBANKMENT COMPACTION (WSDOT STD SPEC 3-03) UNLESS OTHERWISE SPECIFIED.
7. CUT SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH ROCK ARMOR AT A MINIMUM DEPTH OF 18-INCHES AND SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS FOR HILLSIDE TERRACES IN WSDOT STD SPEC 3-03.3(14)



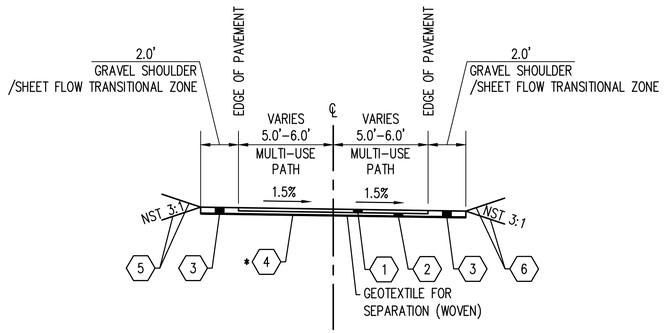
NOTE: CONTRACTOR SHALL PROVIDE 1' OF QUARRY SPALLS PER THIS DETAIL IN THE FOLLOWING TRAIL STATIONING SEGMENTS.

TRAIL STATION LOCATIONS:
M250+00 TO M251+00
C151+75 TO C152+54
C155+00 TO C156+82
C160+55 TO C168+05
C175+05 TO C193+05

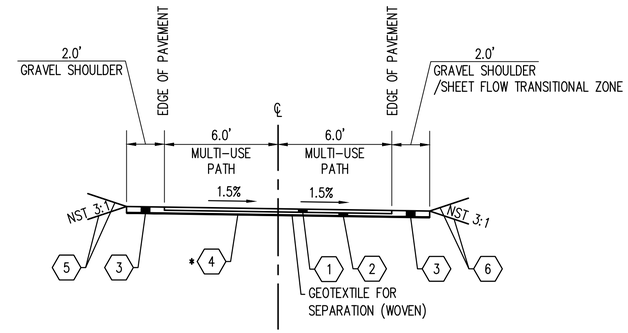
*QUARRY SPALLS BASE DETAIL
NTS



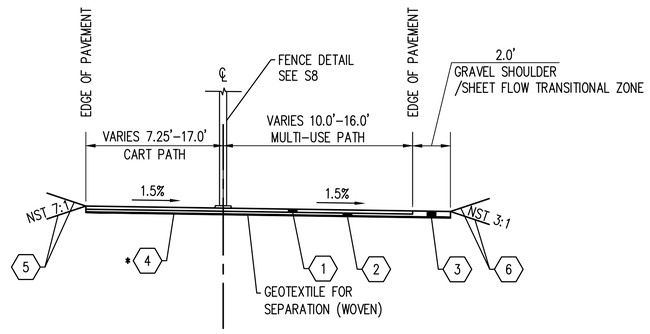
TYPICAL SECTION C-1
NTS
M250+06 TO M251+89
C150+00 TO C151+75



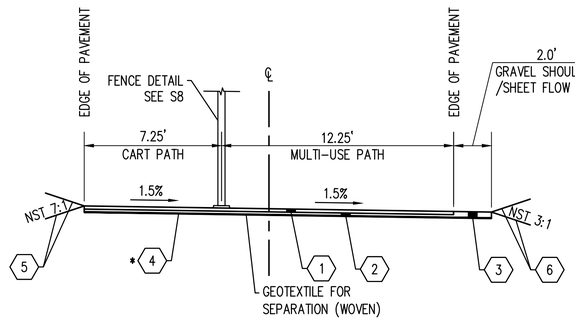
TRANSITIONAL SECTION C-2
NTS
C151+75 TO C152+24



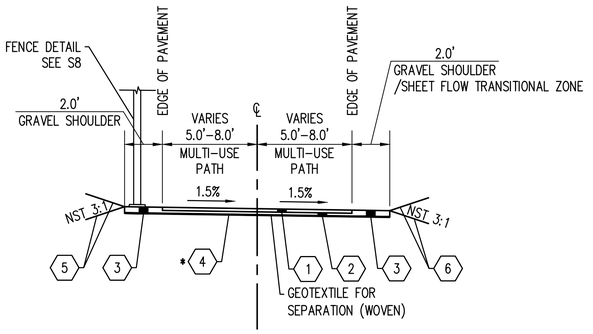
TYPICAL SECTION C-3
NTS
C152+24 TO C152+54



TRANSITIONAL SECTION C-4
NTS
C153+39 TO C153+70
C156+68 TO C157+04
C161+69 TO C162+44
C165+63 TO C166+66
C175+91 TO C176+74
C196+78 TO C196+96



TYPICAL SECTION C-5
NTS
C153+70 TO C156+68
C176+74 TO C182+45
C185+64 TO C192+11



TRANSITIONAL SECTION C-6
NTS
C157+04 TO C157+84 (NO FENCE ALONG THIS SECTION)
C160+69 TO C161+70

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-XS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49670 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

TYPICAL CROSS SECTIONS

DRAWING No.: XS-01

SHEET No.: 4 OF 148

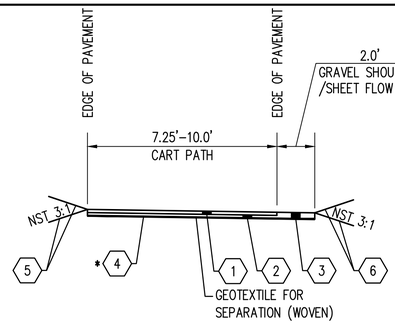
Aug 20, 2026 1:30:14pm - User: audreyn@scj.com
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-XS-01.DWG

TRAIL SECTION KEY NOTES:

1. 0.17' COMMERCIAL HMA.
2. 0.33' CRUSHED SURFACING BASE COURSE (CSBC), WSDOT STD SPEC 9-03.9(3).
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5. 0.33' TOPSOIL TYPE A, SEE TYPICAL SPECIAL PROVISIONS AND SEE LANDSCAPE PLANS FOR SEEDING MIX.
6. POST CONSTRUCTION SOIL QUALITY, SEE SPECIAL PROVISIONS 8-02.3(5)D.
7. ROCK EMBANKMENT, SEE DETAIL ON TG-01.
8. SEE LANDSCAPE PLANS FOR SEEDING MIX.

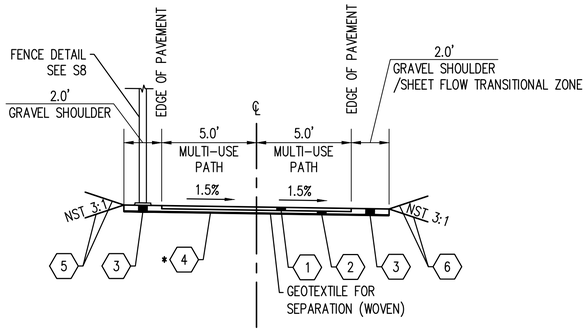
TRAIL SECTION NOTES:

1. ALL SURFACING AND PAVING DEPTHS ARE COMPACTED DEPTHS.
2. NST = NO STEEPER THAN.
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4. SUBGRADE, CRUSHED SURFACING, AND GRAVEL BORROW SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED UNDER THE TEST DESCRIBED IN THE WSDOT STD SPEC 3-03.3(14)D.
5. HMA SHALL BE COMPACTED PER THE REQUIREMENTS IN THE SPECIAL PROVISIONS SECTION 5-04.
6. ALL BACKFILL MATERIAL SHALL BE EMBANKMENT COMPACTION (WSDOT STD SPEC 3-03) UNLESS OTHERWISE SPECIFIED.
7. CUT SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH ROCK ARMOR AT A MINIMUM DEPTH OF 18-INCHES AND SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS FOR HILLSIDE TERRACES IN WSDOT STD SPEC 3-03.3(14)



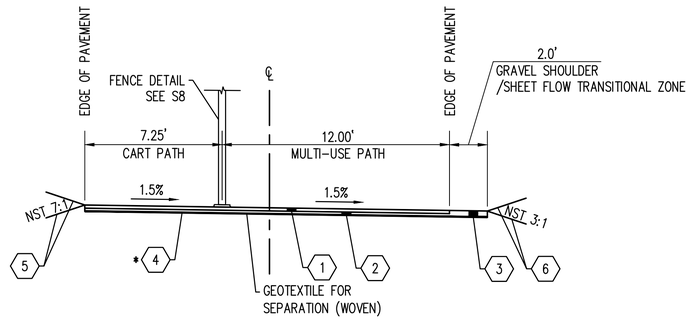
CART PATH SPURS

NTS
SEE SHEETS CG-02 TO CG-05 FOR GRADING AND HORIZONTAL GEOMETRY



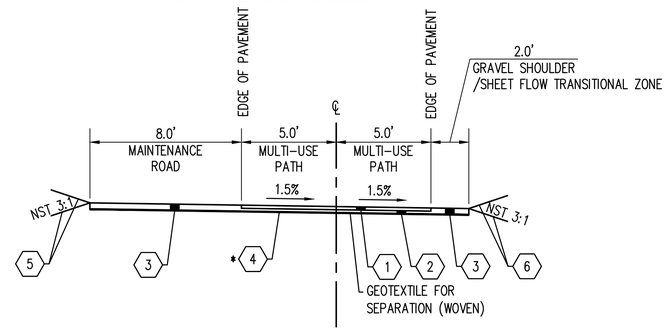
TYPICAL SECTION C-7

NTS
C157+84 TO C159+00 (NO FENCE ALONG THIS SECTION)
C159+00 TO C160+45
C169+30 TO C173+00 (NO FENCE ALONG THIS SECTION)



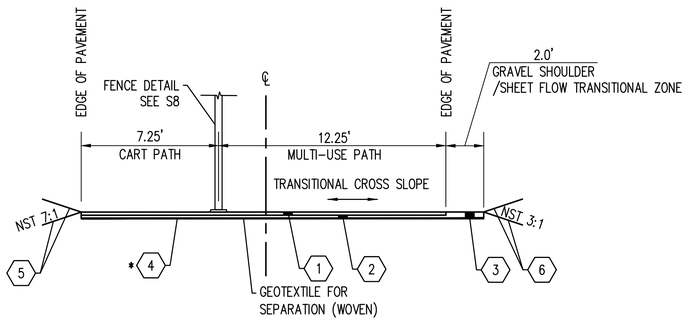
TYPICAL SECTION C-8

NTS
C162+44 TO C165+63



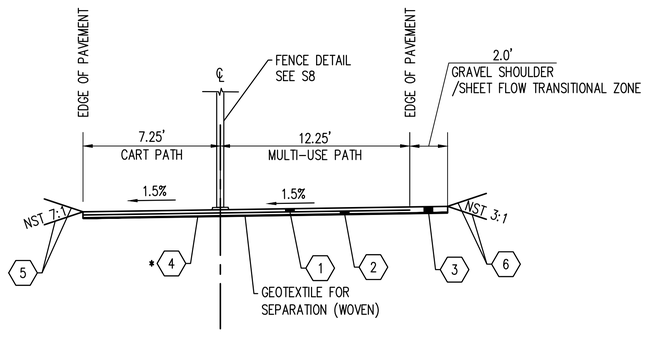
TYPICAL SECTION C-9

NTS
C166+66 TO C166+89 (MAINTENANCE ROAD WIDTH VARIES BETWEEN 0'-8' WIDE)
C166+89 TO 169+30



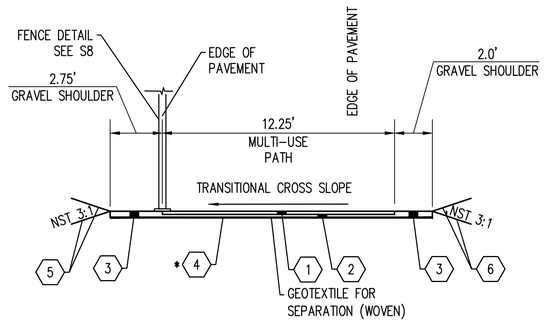
TYPICAL SECTION C-10

NTS
C182+45 TO C183+00
C185+03 TO C185+65
C192+11 TO C192+80



TYPICAL SECTION C-11

NTS
C183+00 TO C185+03
C192+80 TO C196+78



TRANSITIONAL CROSS SLOPE SECTION C-12

NTS
C196+96 TO C197+08 (GRAVEL SHOULDER TAPERS FROM 0'-2')
C197+08 TO C197+50

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-XS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49670 — REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

TYPICAL CROSS SECTIONS

DRAWING No.: XS-02

SHEET No.: 5 OF 148

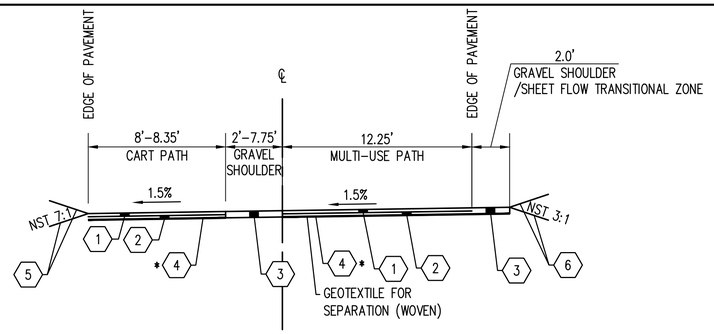
Aug 20, 2026 2:46:23pm - User: nikki.martinez
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TRAIL SECTION KEY NOTES:

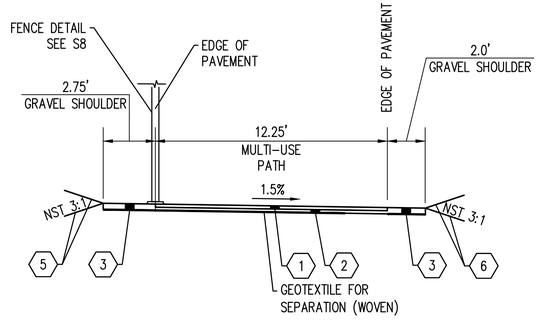
1. 0.17' COMMERCIAL HMA.
2. 0.33' CRUSHED SURFACING BASE COURSE (CSBC), WSDOT STD SPEC 9-03.9(3).
3. 0.5' CRUSHED SURFACING BASE COURSE (CSBC), WSDOT STD SPEC 9-03.9(3).
4. 1.0' QUARRY SPALLS, SEE QUARRY SPALLS BASE DETAIL ON XS-01 FOR INSTALLATION DETAILS AND STATION LIMITS
5. 0.33' TOPSOIL TYPE A, SEE TYPICAL SPECIAL PROVISIONS AND SEE LANDSCAPE PLANS FOR SEEDING MIX.
6. POST CONSTRUCTION SOIL QUALITY, SEE SPECIAL PROVISIONS 8-02.3(5)D.
7. ROCK EMBANKMENT, SEE DETAIL ON TG-01.
8. SEE LANDSCAPE PLANS FOR SEEDING MIX.

TRAIL SECTION NOTES:

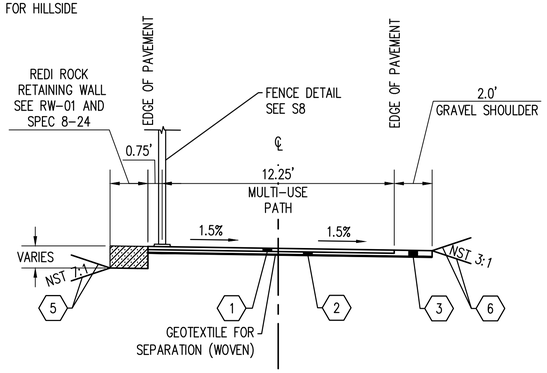
1. ALL SURFACING AND PAVING DEPTHS ARE COMPACTED DEPTHS.
2. NST = NO STEEPER THAN.
3. NTS = NOT TO SCALE.
4. SUBGRADE, CRUSHED SURFACING, AND GRAVEL BORROW SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED UNDER THE TEST DESCRIBED IN THE WSDOT STD SPEC 3-03.3(14)D.
5. HMA SHALL BE COMPACTED PER THE REQUIREMENTS IN THE SPECIAL PROVISIONS SECTION 5-04.
6. ALL BACKFILL MATERIAL SHALL BE EMBANKMENT COMPACTION (WSDOT STD SPEC 3-03) UNLESS OTHERWISE SPECIFIED.
7. CUT SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH ROCK ARMOR AT A MINIMUM DEPTH OF 18-INCHES AND SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS FOR HILLSIDE TERRACES IN WSDOT STD SPEC 3-03.3(14)



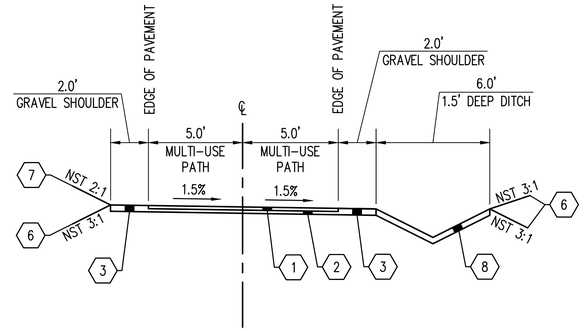
TYPICAL SECTION C-17
NTS
C175+51 TO C175+91



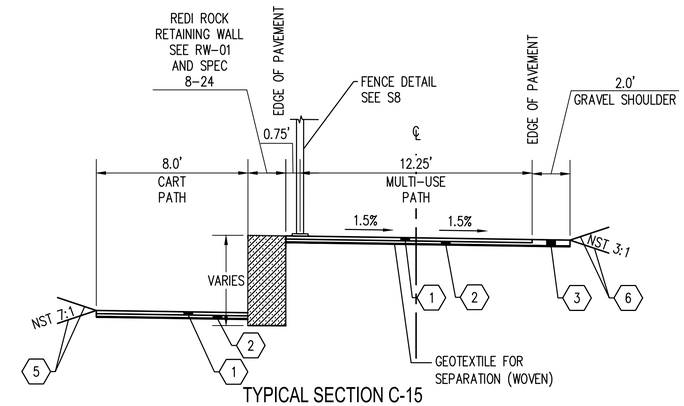
TYPICAL SECTION C-13
NTS
C197+50 TO C198+02



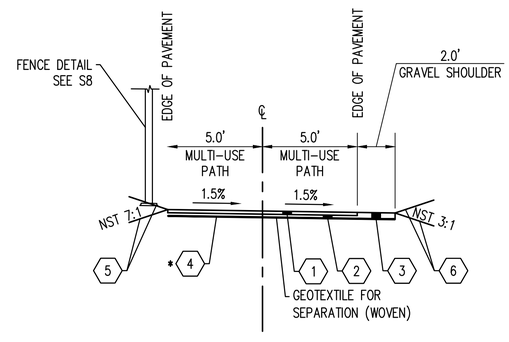
TYPICAL SECTION C-14
NTS
C198+02 TO C199+97



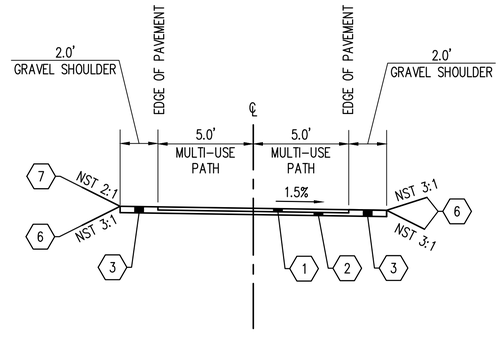
TYPICAL SECTION T-1
NTS
T300+00 TO T308+41



TYPICAL SECTION C-15
NTS
C199+97 TO C200+59



TYPICAL SECTION C-16
NTS
C173+00 TO C173+69 (NO FENCE ALONG THIS SECTION)
C173+69 TO C175+51



TYPICAL SECTION T-2
NTS
T308+41 TO T308+69

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-XS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

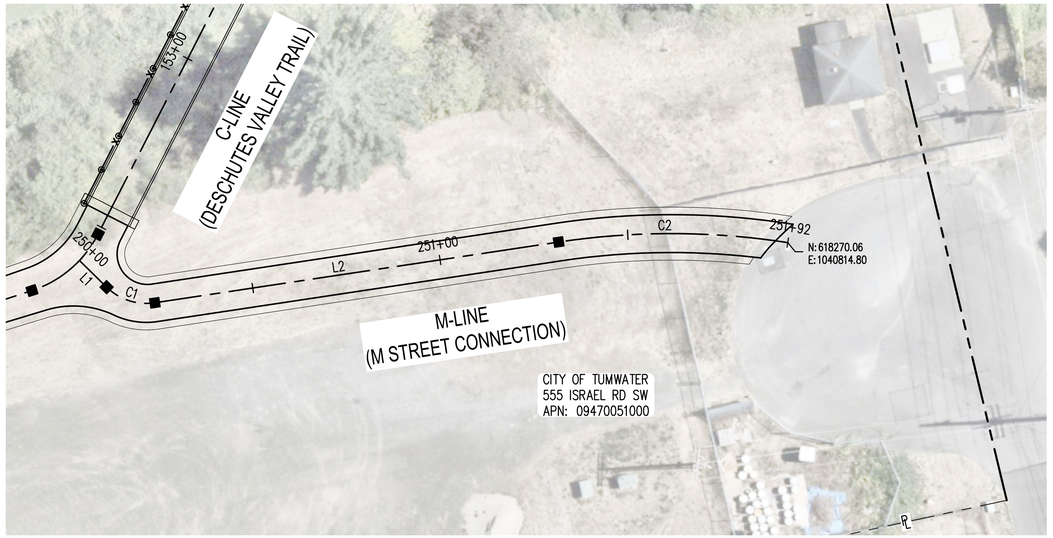
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

TYPICAL CROSS SECTIONS

DRAWING No.: XS-03
SHEET No.: 6 OF 148

Aug 20, 2026 - 3:35:04pm - User: nikki.martinez
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-XS-01.DWG



M–LINE, M STREET CONNECTION									
NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
L1	M	250+00.00		250+09.98				9.98'	S58° 29' 58"W
C1	M	250+09.98	250+17.46	250+23.86	53°00'58"	15.00'	7.48'	13.88'	
L2	M	250+23.86		251+31.66				107.79'	S5° 28' 59"W
C2	M	251+31.66	251+62.25	251+92.37	17°23'33"	200.00'	30.59'	60.71'	

VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005–4T
ELEVATION = 98.15 FEET

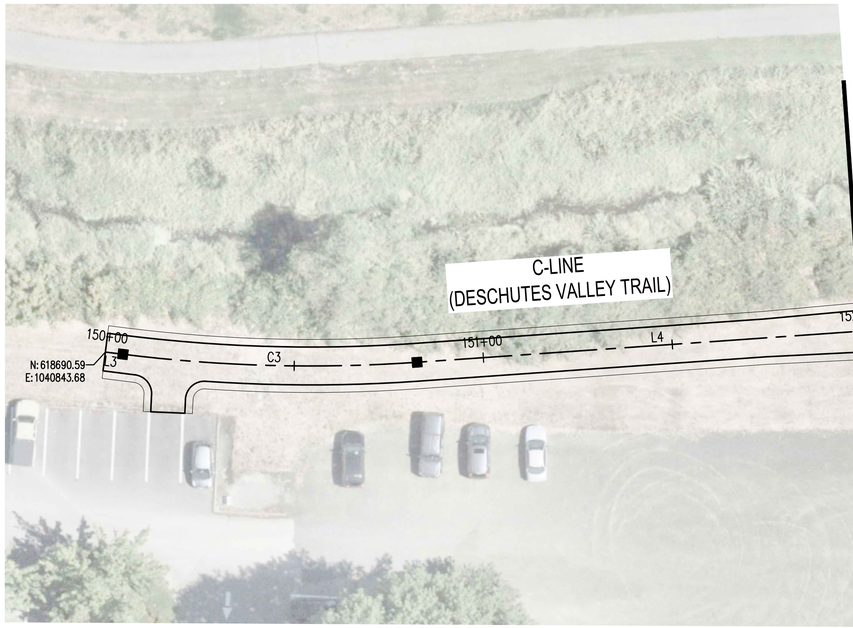
BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: –1°44'46"

0 20 40
SCALE IN FEET

LEGEND

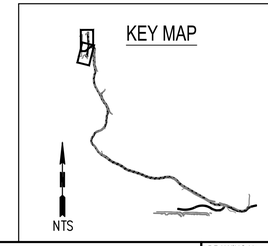
- RIGHT–OF–WAY
- PROPERTY LINE
- TRAIL CENTERLINE
- PC/PT/PCC/PRC OF TRAIL ALIGNMENT
- SURVEY NAIL
- BRASS CAP
- CONCRETE MONUMENT
- REBAR AND CONTROL CAP
- SURVEY HUB AND TACK
- MONUMENT IN CASE
- CONTROL POINT



0 20 40
SCALE IN FEET

C–LINE, DESCHUTES VALLEY TRAIL									
NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
L3	C	148+14.90		150+04.66				189.76'	S7° 08' 16"W
C3	C	150+04.66	150+43.68	150+82.46	11°08'41"	400.00'	39.03'	77.80'	
L4	C	150+82.46		152+24.46				142.00'	S4° 00' 25"E

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-AL-00

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 19970 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
C 150+00 - C 152+00 & M 250+00 - M 251+92

DRAWING No.: AL-01
SHEET No.: 7 OF 148

Aug 20, 2026 12:56:21pm – User: audrey.nielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-AL-00.DWG



VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

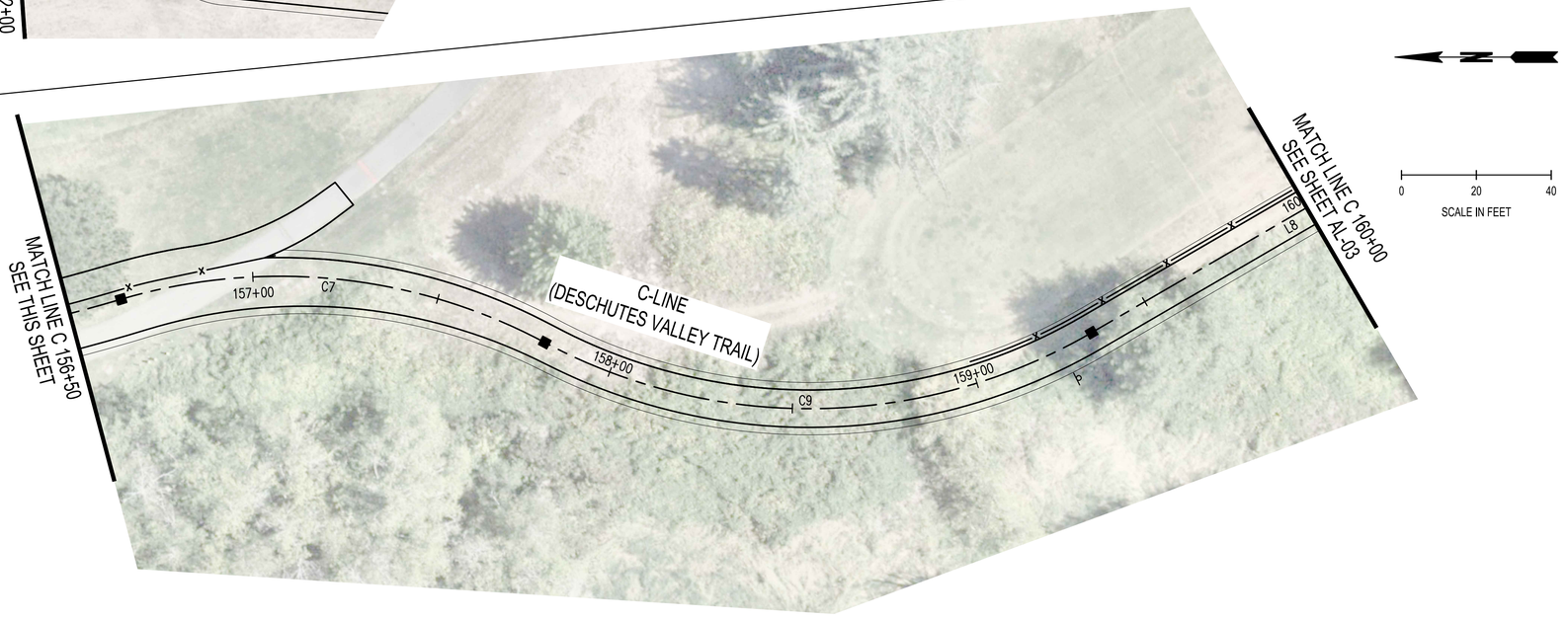
BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

0 20 40
SCALE IN FEET

LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- TRAIL CENTERLINE
- PC/PT/PCC/PRC OF TRAIL ALIGNMENT
- SURVEY NAIL
- BRASS CAP
- CONCRETE MONUMENT
- REBAR AND CONTROL CAP
- SURVEY HUB AND TACK
- MONUMENT IN CASE
- CONTROL POINT

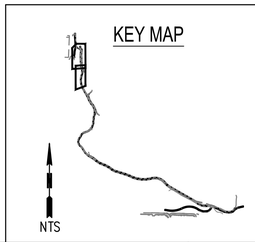


0 20 40
SCALE IN FEET

C-LINE, DESCHUTES VALLEY TRAIL

NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
C4	C	152+24.46	152+36.84	152+47.95	44°51'55"	30.00'	12.39'	23.49'	
L5	C	152+47.95		153+42.53				94.58'	S48° 52' 20"E
C5	C	153+42.53	153+56.94	153+69.80	45°57'08"	34.00'	14.42'	27.27'	
L6	C	153+69.80		155+24.05				154.26'	S2° 55' 12"E
L7	C	155+24.05		155+57.42				33.37'	S4° 13' 53"E
C6	C	155+57.42	156+11.01	156+64.20	12°14'09"	500.00'	53.59'	106.78'	
C7	C	156+64.20	157+25.70	157+80.92	44°35'08"	150.00'	61.50'	116.72'	
C9	C	157+80.92	158+64.58	159+33.54	58°17'49"	150.00'	83.65'	152.62'	
L8	C	159+33.54		160+60.02				126.47'	S30° 10' 43"E

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-AL-01

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

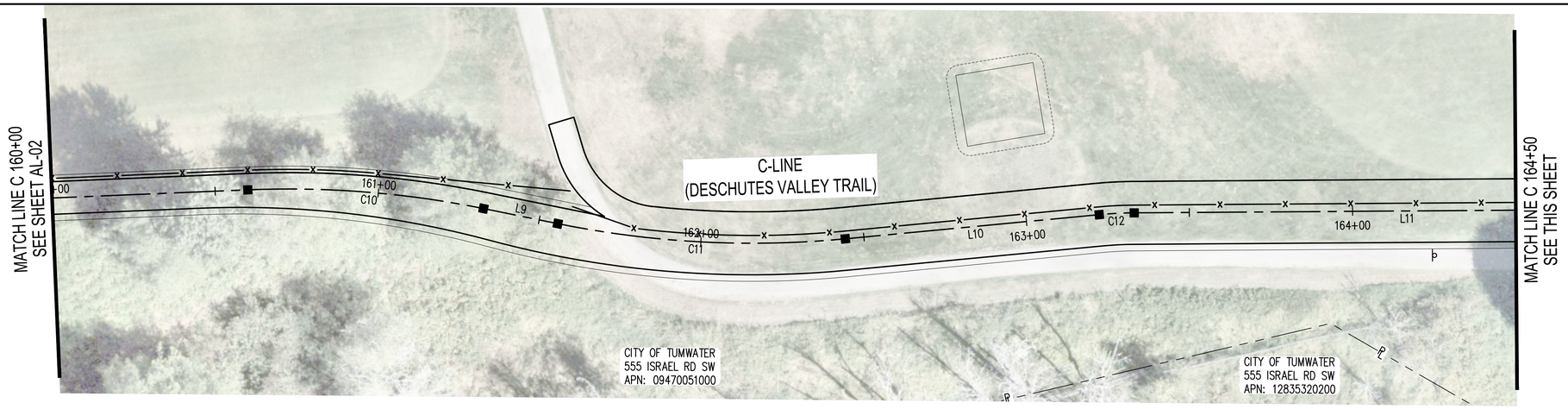
DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
C 152+00 - C 160+00

DRAWING No.: AL-02

SHEET No.: 8 OF 148

Aug 20, 2026 1:06:46pm - User audreyvielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-AL-01.DWG



VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

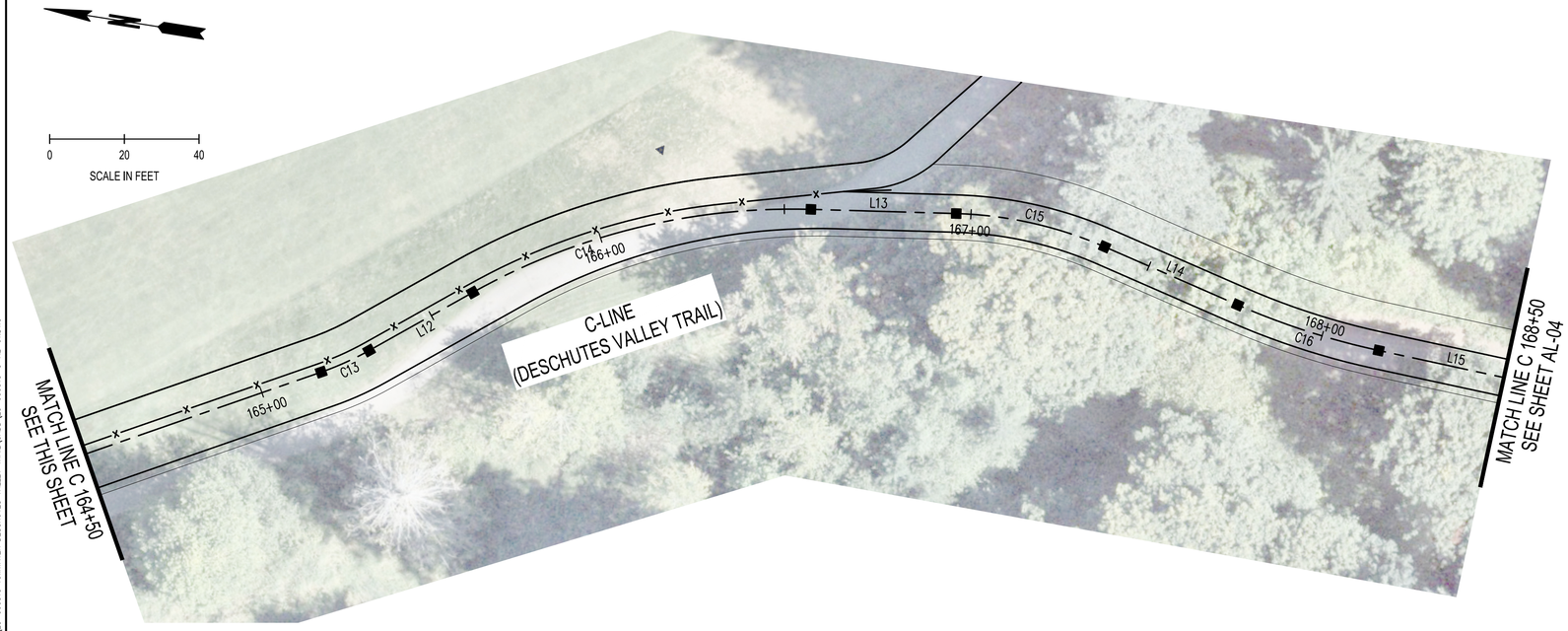
BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

0 20 40
SCALE IN FEET

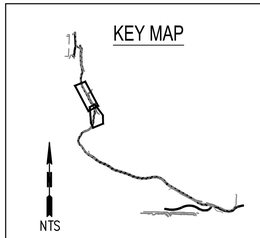
LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- TRAIL CENTERLINE
- PC/PT/PCC/PRC OF TRAIL ALIGNMENT
- SURVEY NAIL
- BRASS CAP
- CONCRETE MONUMENT
- REBAR AND CONTROL CAP
- SURVEY HUB AND TACK
- MONUMENT IN CASE
- CONTROL POINT



C-LINE, DESCHUTES VALLEY TRAIL									
NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
C10	C	160+60.02	160+96.48	161+32.58	13°51'33"	300.00'	36.46'	72.57'	
L9	C	161+32.58		161+55.79				23.21'	S16° 19' 10"E
C11	C	161+55.79	162+00.37	162+44.30	16°54'10"	300.00'	44.58'	88.50'	
L10	C	162+44.30		163+22.40				78.10'	S33° 13' 20"E
C12	C	163+22.40	163+27.76	163+33.12	5°02'14"	122.00'	5.37'	10.73'	
L11	C	163+33.12		165+16.81				183.69'	S28° 11' 06"E
C13	C	165+16.81	165+23.87	165+30.90	10°05'31"	80.00'	7.06'	14.09'	
L12	C	165+30.90		165+62.71				31.82'	S38° 16' 37"E
C14	C	165+62.71	166+11.10	166+57.12	30°54'31"	175.00'	48.38'	94.40'	
L13	C	166+57.12		166+96.07				38.95'	S7° 22' 06"E
C15	C	166+96.07	167+16.80	167+37.03	21°56'02"	107.00'	20.73'	40.96'	
L14	C	167+37.03		167+75.92				38.89'	S14° 33' 55"W
C16	C	167+75.92	167+95.86	168+15.67	11°23'18"	200.00'	19.94'	39.75'	
L15	C	168+15.67		168+58.17				42.50'	S3° 10' 37"W

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-AL-01

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

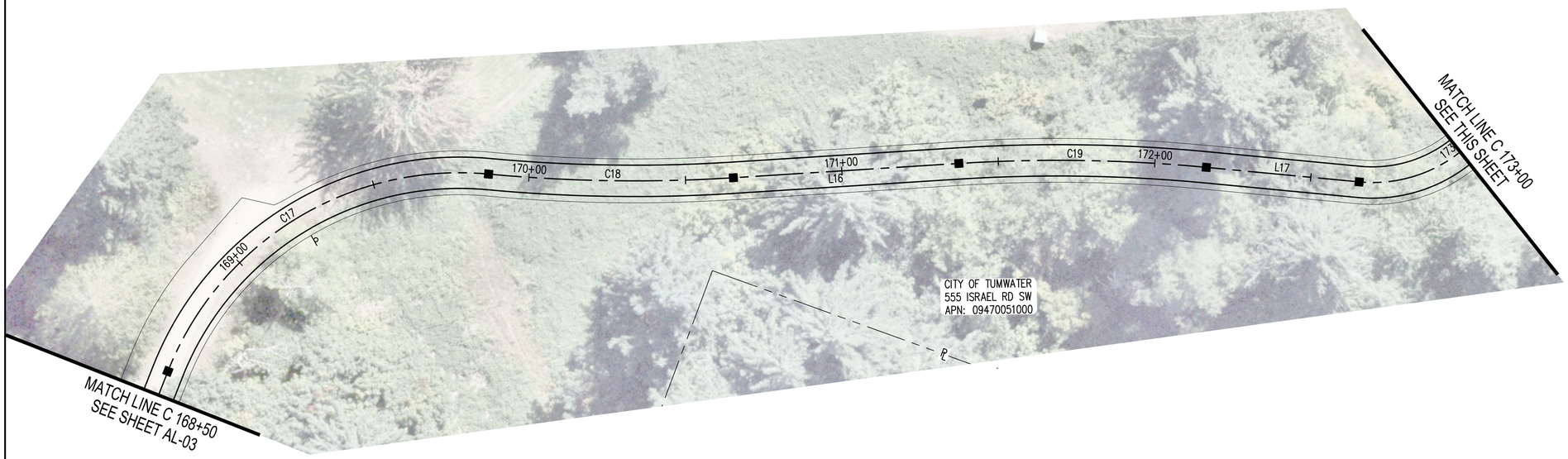
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
C 160+00 - C 168+50

DRAWING No.: AL-03
SHEET No.: 9 OF 148

Aug 20, 2026 1:04:39pm - User: aufreyrideen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-AL-01.DWG



VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

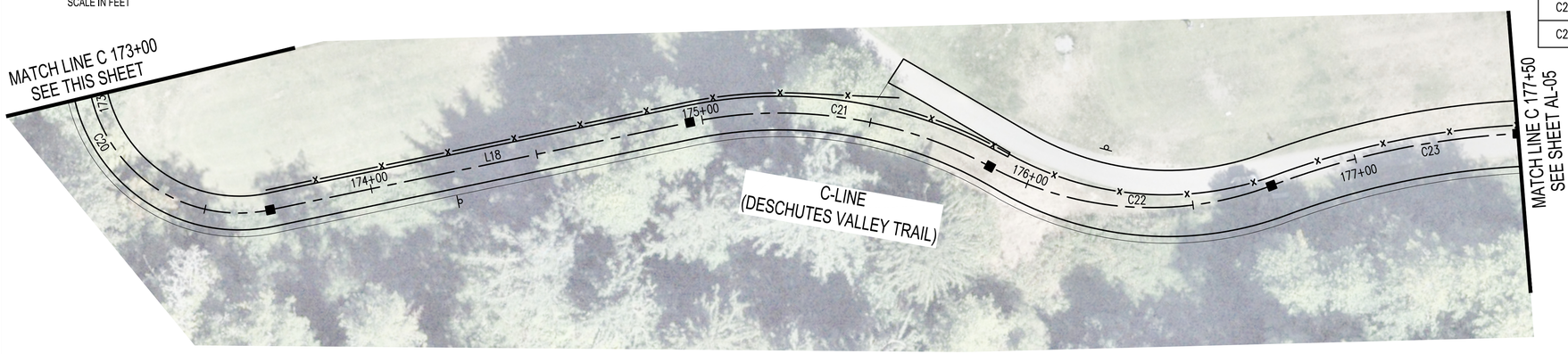
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SCALE IN FEET

LEGEND

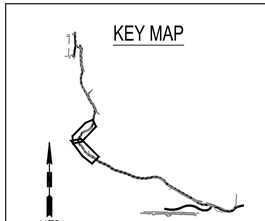
- RIGHT-OF-WAY
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- MONUMENT IN CASE
- CONTROL POINT

C-LINE, DESCHUTES VALLEY TRAIL									
NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
C17	C	168+58.17	169+33.33	169+87.07	73°51'11"	100.00'	75.15'	128.90'	
C18	C	169+87.07	170+26.26	170+65.30	8°57'50"	500.00'	39.19'	78.22'	
L16	C	170+65.30		171+37.42				72.12'	S68° 03' 57"W
C19	C	171+37.42	171+77.04	172+16.50	9°03'43"	500.00'	39.62'	79.08'	
L17	C	172+16.50		172+65.51				49.01'	S77° 07' 41"W
C20	C	172+65.51	173+67.46	173+69.47	132°21'52"	45.00'	101.94'	103.96'	
L18	C	173+69.47		174+96.27				126.80'	S55° 14' 11"E
C21	C	174+96.27	175+44.04	175+87.83	40°21'09"	130.00'	47.77'	91.56'	
C22	C	175+87.83	176+33.77	176+73.96	49°21'02"	100.00'	45.94'	86.13'	
C23	C	176+73.96	177+11.57	177+48.58	17°41'02"	241.75'	37.61'	74.61'	

0 20 40
SCALE IN FEET



KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-AL-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

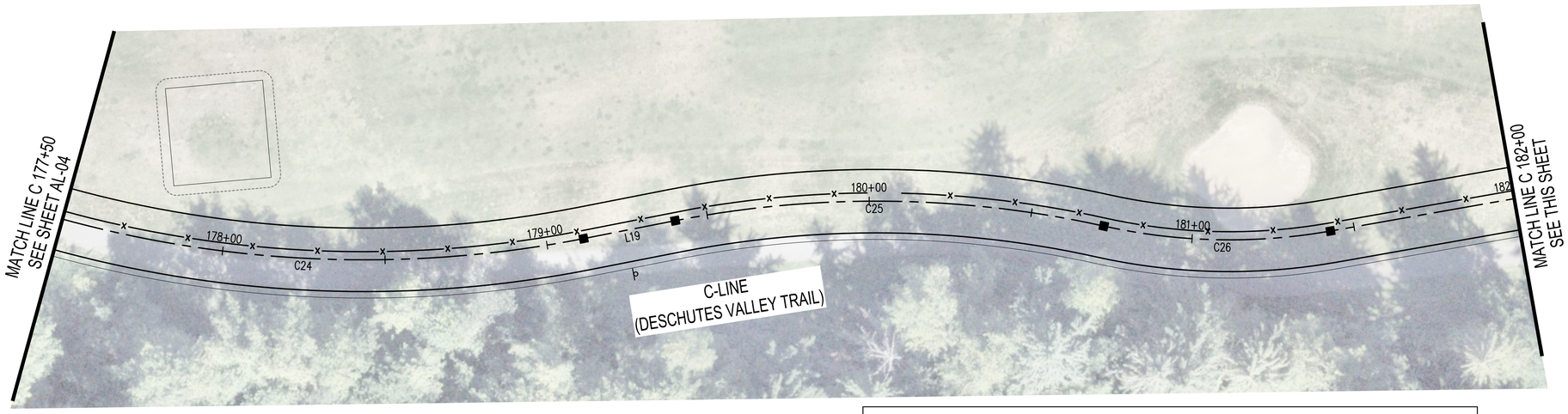
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
C 168+50 - C 177+50

DRAWING No.: AL-04
SHEET No.: 10 OF 148

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VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

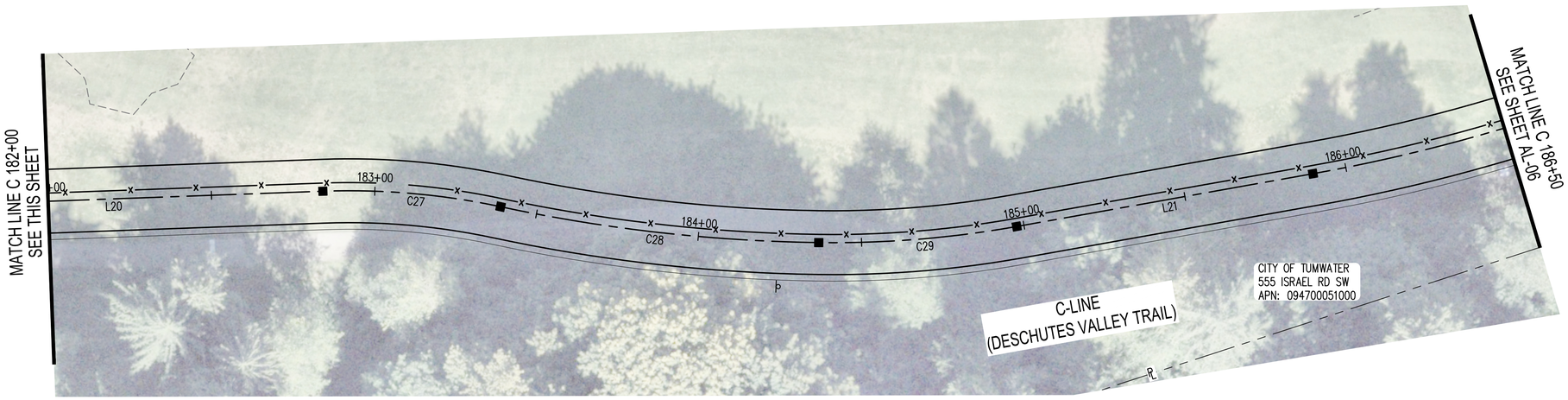
0 20 40
SCALE IN FEET

LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- TRAIL CENTERLINE
- PC/PT/PCC/PRC OF TRAIL ALIGNMENT
- SURVEY NAIL
- BRASS CAP
- CONCRETE MONUMENT
- REBAR AND CONTROL CAP
- SURVEY HUB AND TACK
- MONUMENT IN CASE
- CONTROL POINT

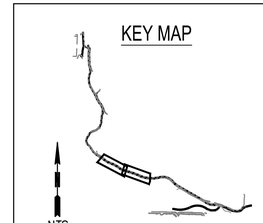
C-LINE, DESCHUTES VALLEY TRAIL

NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
C24	C	177+48.58	178+31.48	179+11.38	26°39'06"	350.00'	82.90'	162.81'	
L19	C	179+11.38		179+40.04				28.66'	S73° 12' 08"E
C25	C	179+40.04	180+07.27	180+72.59	23°36'14"	321.75'	67.23'	132.55'	
C26	C	180+72.59	181+08.09	181+42.67	22°31'37"	178.25'	35.50'	70.08'	
L20	C	181+42.67		182+84.11				141.43'	S72° 07' 31"E
C27	C	182+84.11	183+11.60	183+38.81	14°08'00"	221.75'	27.49'	54.70'	
C28	C	183+38.81	183+88.01	184+36.89	11°14'24"	500.00'	49.20'	98.09'	
C29	C	184+36.89	184+67.41	184+97.75	10°53'44"	320.00'	30.52'	60.85'	
L21	C	184+97.75		185+89.78				92.04'	S80° 07' 40"E



0 20 40
SCALE IN FEET

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-AL-04

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 19870 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

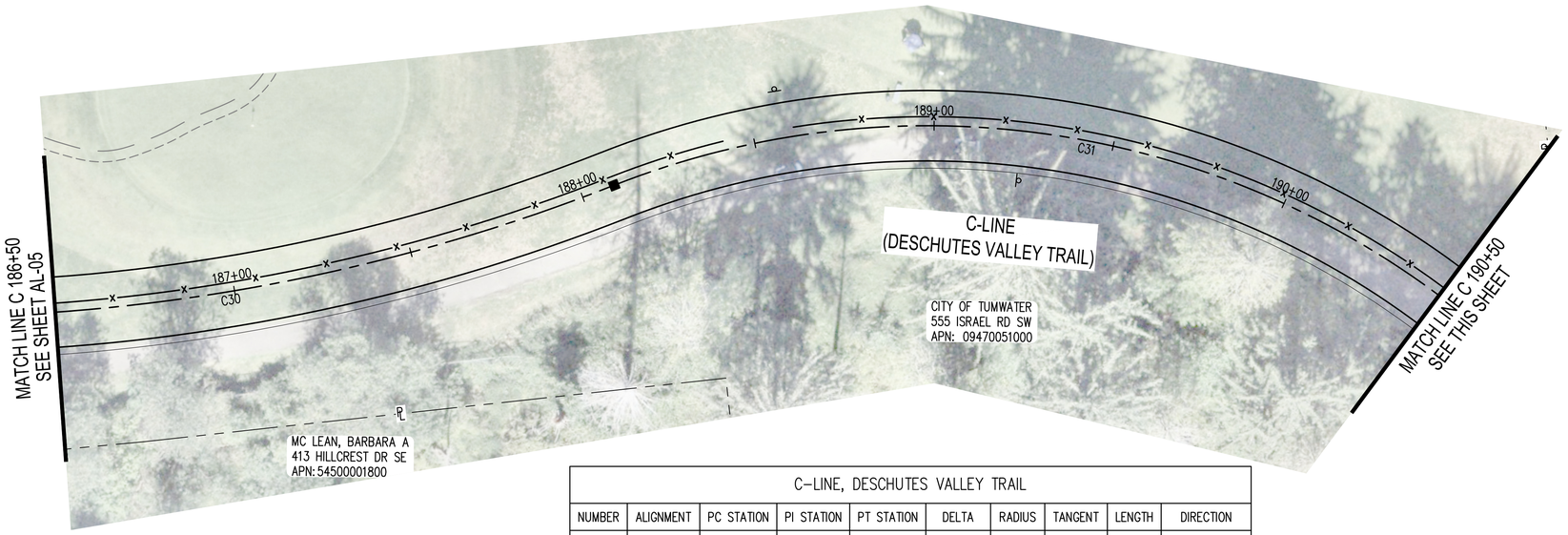
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
C 177+50 - C 186+50

DRAWING No.: AL-05
SHEET No.: 11 OF 148

Aug 20, 2026 12:52:19pm - User: audrey.nielsen
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C-LINE, DESCHUTES VALLEY TRAIL									
NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
C30	C	185+89.78	187+01.18	188+09.32	23°57'32"	525.00'	111.39'	219.53'	
C31	C	188+09.32	189+58.93	190+76.23	64°31'36"	237.00'	149.61'	266.91'	
C32	C	190+76.23	191+40.08	192+02.87	18°08'24"	400.00'	63.86'	126.64'	
L22	C	192+02.87		193+75.93				173.06'	S57° 42' 00"E
C33	C	193+75.93	193+92.17	194+08.39	3°43'09"	500.00'	16.23'	32.46'	

VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

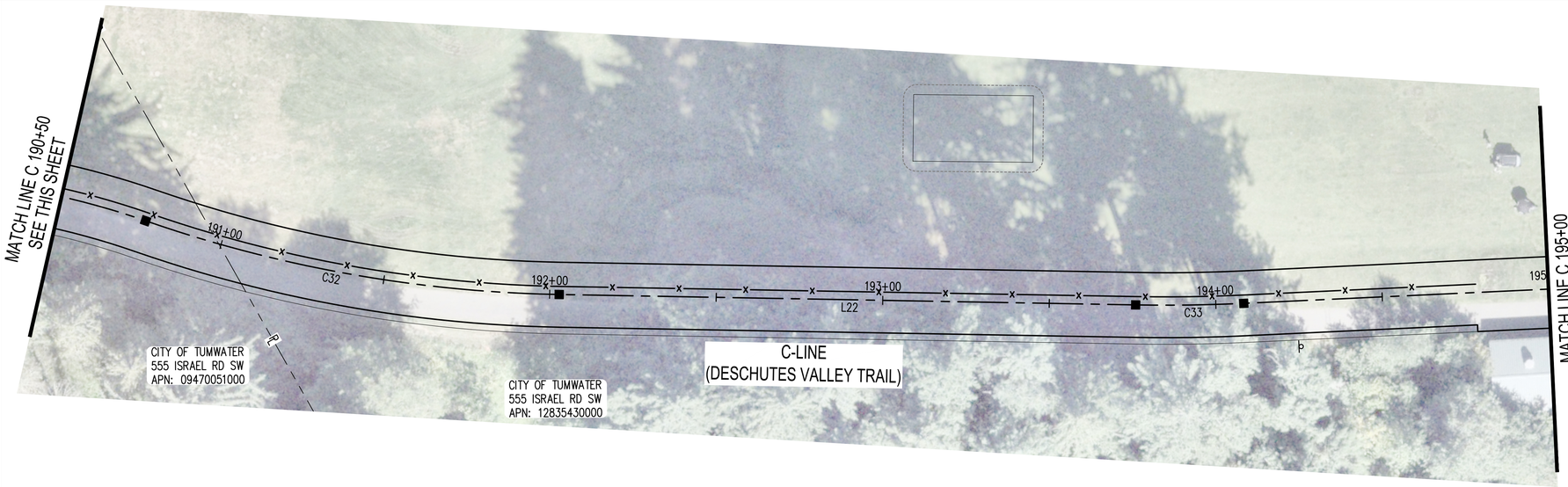
BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

0 20 40
SCALE IN FEET

LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- TRAIL CENTERLINE
- PC/PT/PCC/PRC OF TRAIL ALIGNMENT
- SURVEY NAIL
- BRASS CAP
- CONCRETE MONUMENT
- REBAR AND CONTROL CAP
- SURVEY HUB AND TACK
- MONUMENT IN CASE
- CONTROL POINT



0 20 40
SCALE IN FEET

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-AL-04

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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PROJECT NAME:

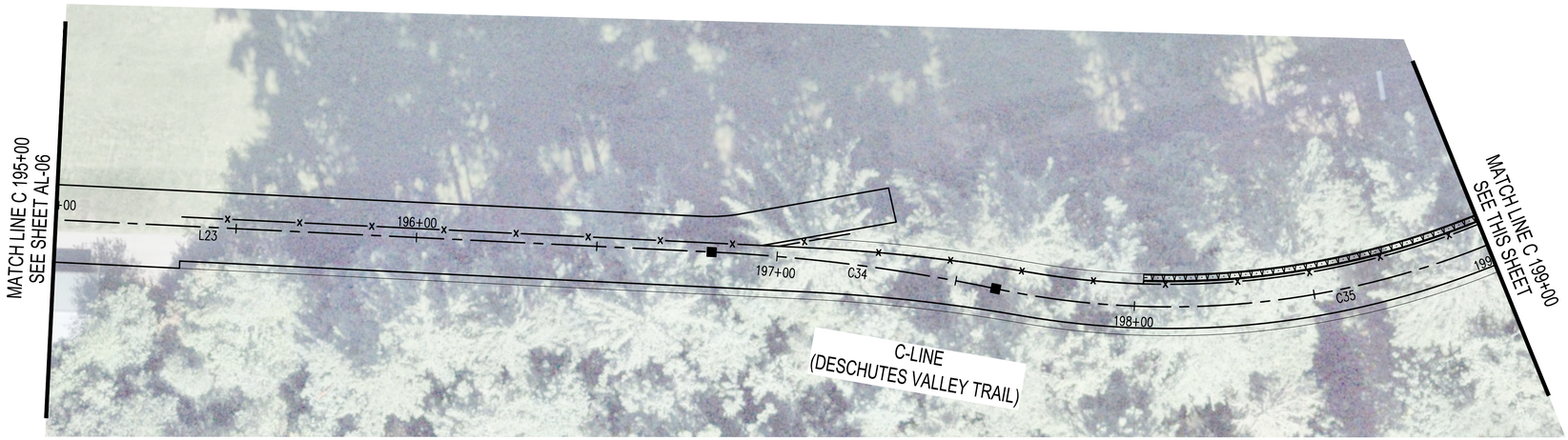
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
C 186+50 - C 195+00

DRAWING No.: AL-06
SHEET No.: 12 OF 148

Aug 20, 2026 1:45:14pm - User: aufreynielsen
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VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

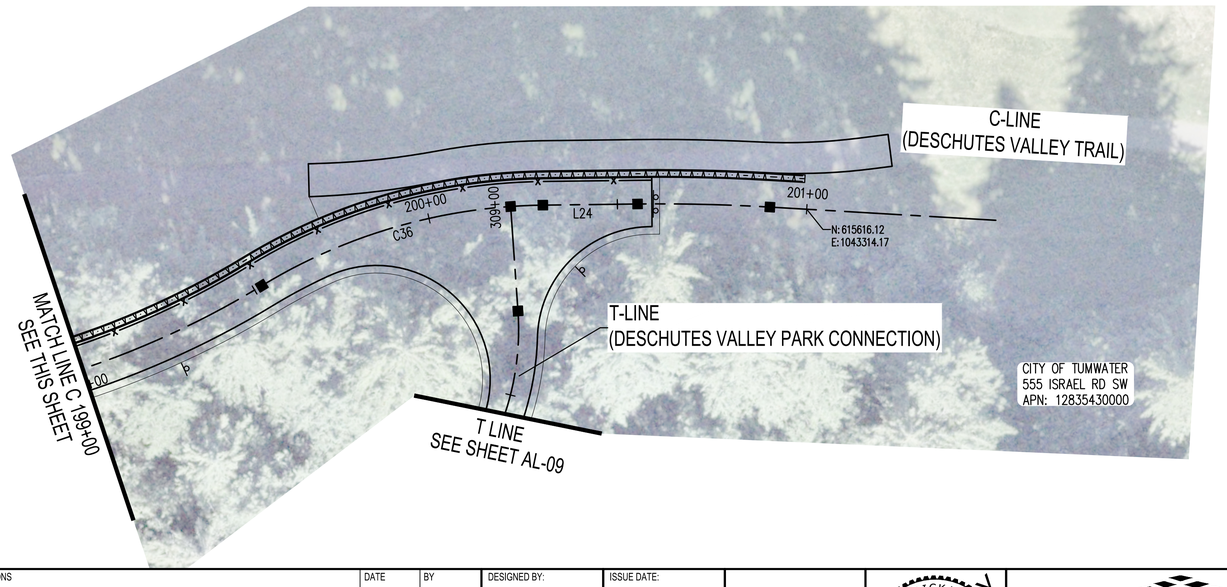
0 20 40
SCALE IN FEET

LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- TRAIL CENTERLINE
- PC/PT/PCC/PRC OF TRAIL ALIGNMENT
- SURVEY NAIL
- BRASS CAP
- CONCRETE MONUMENT
- REBAR AND CONTROL CAP
- SURVEY HUB AND TACK
- MONUMENT IN CASE
- CONTROL POINT

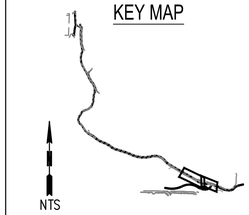
C-LINE, DESCHUTES VALLEY TRAIL

NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
L23	C	194+08.39		196+81.85				273.46'	S61° 25' 08"E
C34	C	196+81.85	197+21.62	197+61.22	9°05'41"	500.00'	39.77'	79.37'	
C35	C	197+61.22	198+62.40	199+52.20	46°48'46"	233.75'	101.18'	190.98'	
C36	C	199+52.20	199+92.22	200+30.32	30°36'13"	146.25'	40.01'	78.12'	
L24	C	200+30.32		200+55.32				25.00'	S68° 32' 00"E



0 20 40
SCALE IN FEET

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-AL-04

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

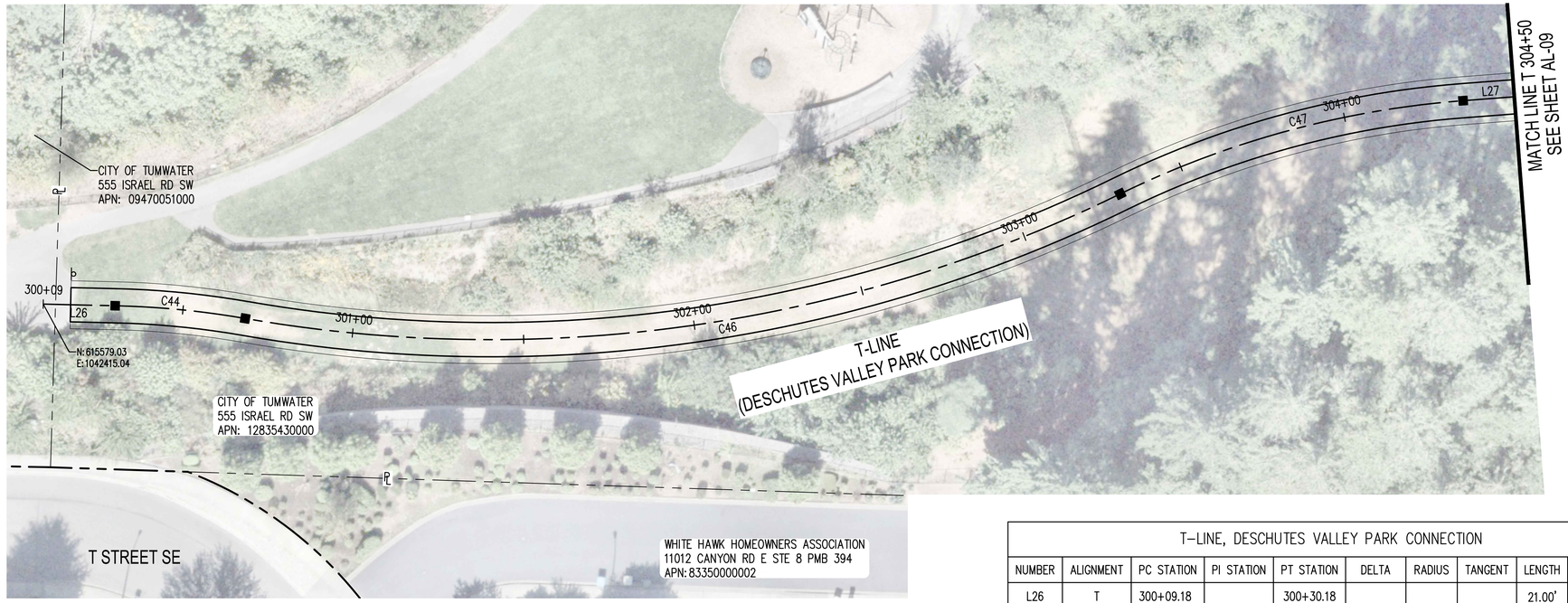
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
C 195+00 - C 201+50

DRAWING No.: AL-07
SHEET No.: 13 OF 148

Aug 20, 2026 12:45:26pm - User: audreynielsen
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VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

N

0 20 40
SCALE IN FEET

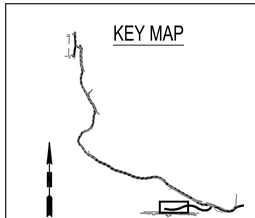
LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- TRAIL CENTERLINE
- PC/PT/PCC/PRC OF TRAIL ALIGNMENT
- SURVEY NAIL
- BRASS CAP
- CONCRETE MONUMENT
- REBAR AND CONTROL CAP
- SURVEY HUB AND TACK
- MONUMENT IN CASE
- CONTROL POINT

T-LINE, DESCHUTES VALLEY PARK CONNECTION

NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
L26	T	300+09.18		300+30.18				21.00'	S88° 42' 06"E
C44	T	300+30.18	300+49.30	300+68.35	8°34'34"	255.00'	19.12'	38.17'	
C46	T	300+68.35	302+03.98	303+30.66	35°57'19"	418.00'	135.64'	262.31'	
C47	T	303+30.66	303+83.46	304+35.00	21°44'17"	275.00'	52.80'	104.33'	
L27	T	304+35.00		304+53.12				18.12'	N85° 39' 26"E

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-AL-07

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

SCJ ALLIANCE
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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
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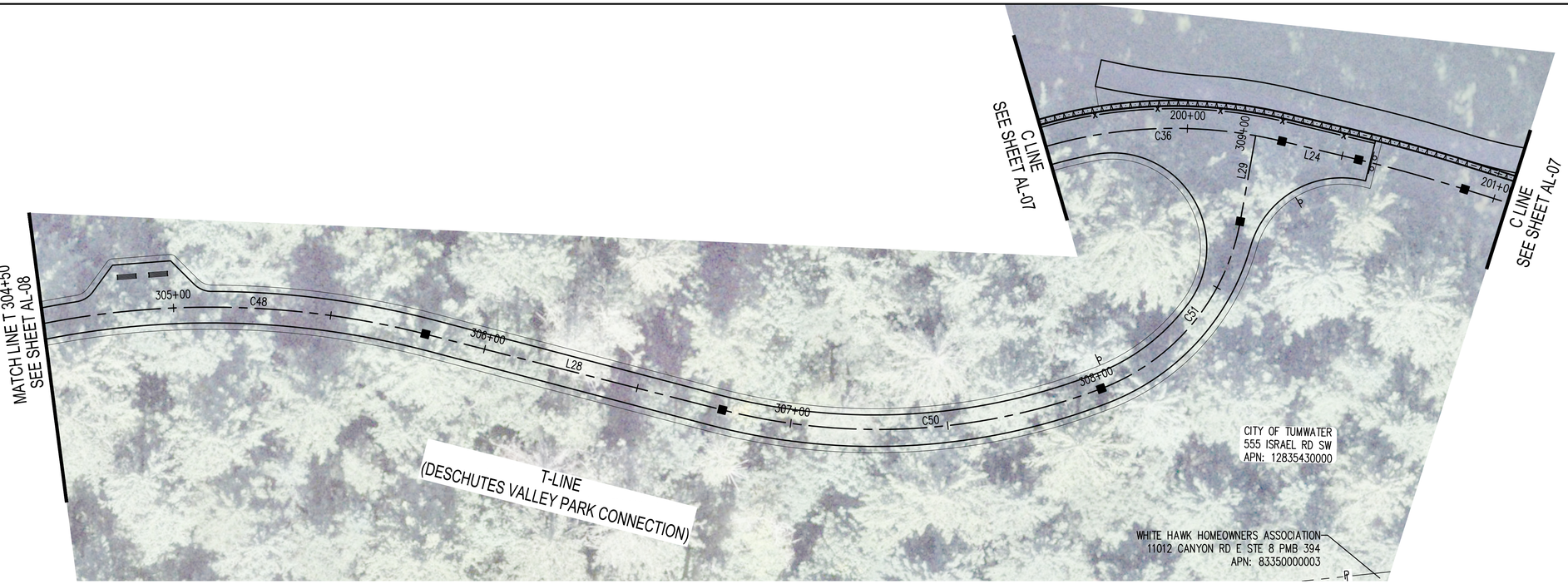
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
T 300+00 - T 304+50

DRAWING No.: AL-08
SHEET No.: 14 OF 148

Aug 20, 2026 1:34:01pm - User audreyvielsen
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VERTICAL DATUM
NGVD '29 BASED ON TIES TO GP34005-4T
ELEVATION = 98.15 FEET

BASIS OF BEARINGS AND COORDINATES BASED ON TIES TO THURSTON COUNTY MONUMENTS. DATUM IS NAD 1983/91, WASHINGTON SOUTH ZONE.

PROJECT COMBINED SCALE FACTOR: 0.999941675
PROJECT CONVERGENCE: -1°44'46"

N

0 20 40
SCALE IN FEET

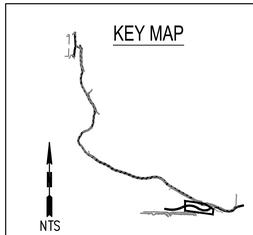
LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- TRAIL CENTERLINE
- PC/PT/PCC/PRC OF TRAIL ALIGNMENT
- SURVEY NAIL
- BRASS CAP
- CONCRETE MONUMENT
- REBAR AND CONTROL CAP
- SURVEY HUB AND TACK
- MONUMENT IN CASE
- CONTROL POINT

T-LINE, DESCHUTES VALLEY PARK CONNECTION

NUMBER	ALIGNMENT	PC STATION	PI STATION	PT STATION	DELTA	RADIUS	TANGENT	LENGTH	DIRECTION
C48	T	304+53.12	305+18.04	305+80.63	26°34'01"	275.00'	64.92'	127.51'	
L28	T	305+80.63		306+77.86				97.23'	S67° 46' 33"E
C50	T	306+77.86	307+41.02	308+00.22	35°03'11"	200.00'	63.16'	122.36'	
C51	T	308+00.22	308+39.85	308+72.35	59°02'31"	70.00'	39.64'	72.13'	
L29	T	308+72.35		309+00.00				27.65'	N18° 07' 46"E

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-AL-07

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49870 — REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

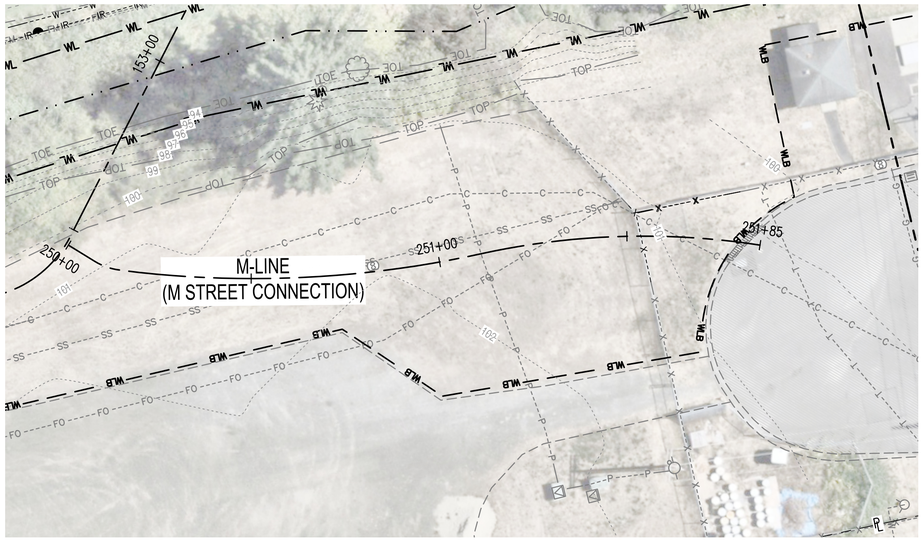
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION ALIGNMENT PLAN
T 304+50 - T 309+05

DRAWING No.: AL-09
SHEET No.: 15 OF 148

Aug 20, 2026 12:58:02pm - User: audrey.nielsen
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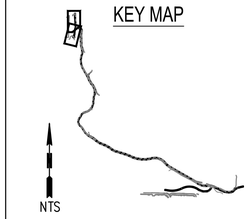
0 20 40

SCALE IN FEET

EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING CART PATH
- EXISTING DIRT PATH
- EXISTING TEE BOX & FAIRWAY
- EXISTING VEGETATION LINE
- DEMO TURF LINE
- EXISTING FENCE
- EXISTING BUILDING
- EXISTING FLOOD ELEVATION LINE
- EXISTING WATER LINE
- DEMO WATER LINE
- EXISTING IRRIGATION LINE
- DEMO IRRIGATION LINE
- EXISTING SANITARY SEWER
- EXISTING FORCEMAIN
- EXISTING STORM SEWER
- EXISTING UNDERGROUND POWER
- WETLAND
- WETLAND BOUNDARY
- GROUND TOP
- GROUND TOE
- RETAINING WALL
- EXISTING SPRINKLERS
- EXISTING CATCH BASIN TYPE 1
- EXISTING WATER VALVE
- EXISTING TREES

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-EC-00

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 19970 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

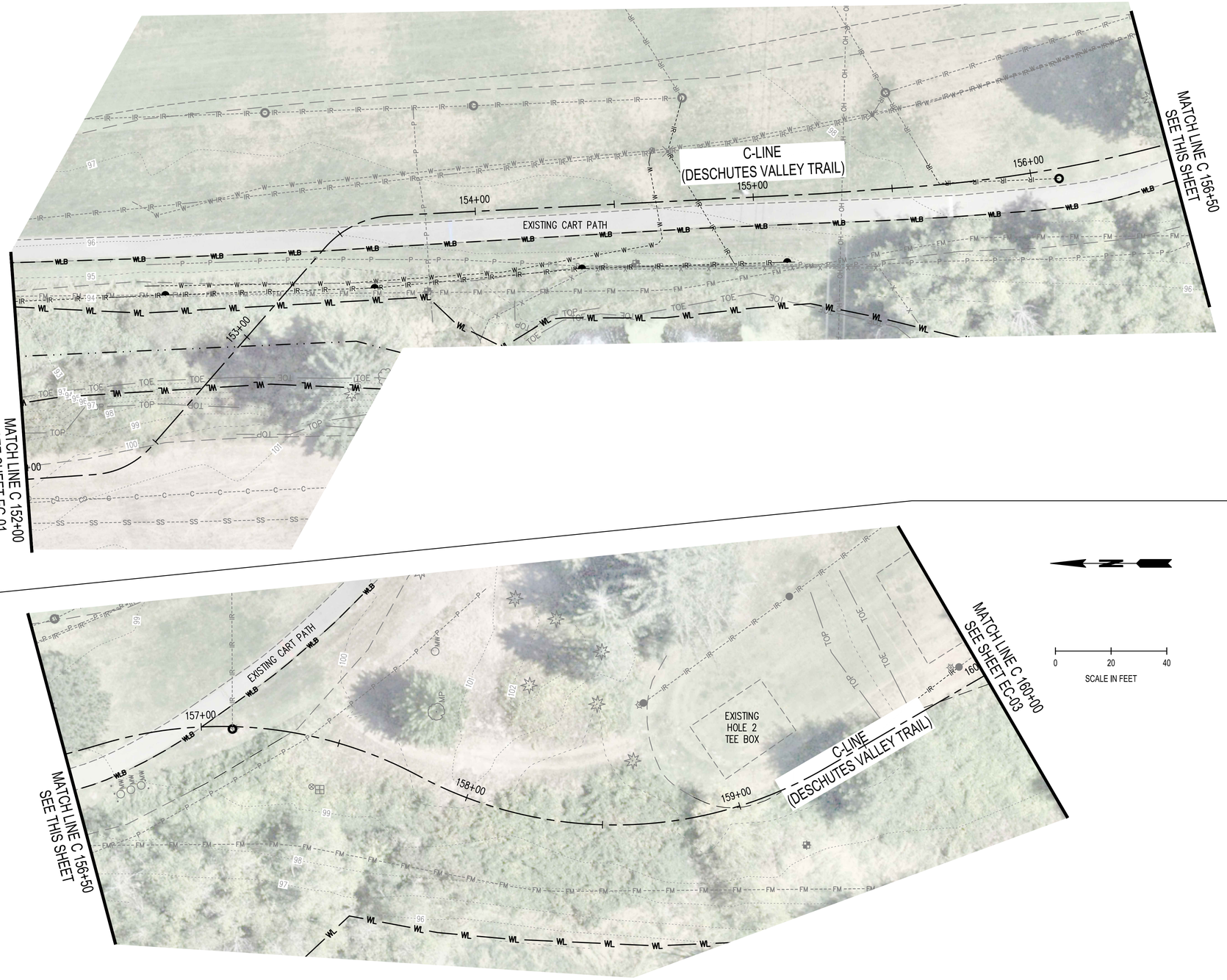
DESCHUTES VALLEY TRAIL
SEGMENT C

EXISTING CONDITIONS
C 150+00 - C 152+00 & M 250+00 - M 251+92

DRAWING No.: EC-01

SHEET No.: 16 OF 148

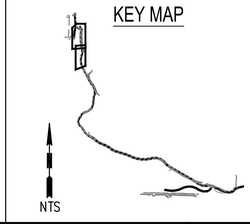
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EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING CART PATH
- EXISTING DIRT PATH
- EXISTING TEE BOX & FAIRWAY
- EXISTING VEGETATION LINE
- DEMO TURF LINE
- EXISTING FENCE
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- EXISTING FLOOD ELEVATION LINE
- EXISTING WATER LINE
- DEMO WATER LINE
- EXISTING IRRIGATION LINE
- DEMO IRRIGATION LINE
- EXISTING SANITARY SEWER
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- GROUND TOP
- GROUND TOE
- RETAINING WALL
- EXISTING SPRINKLERS
- EXISTING CATCH BASIN TYPE 1
- EXISTING WATER VALVE
- EXISTING TREES

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-EC-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49670 — REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

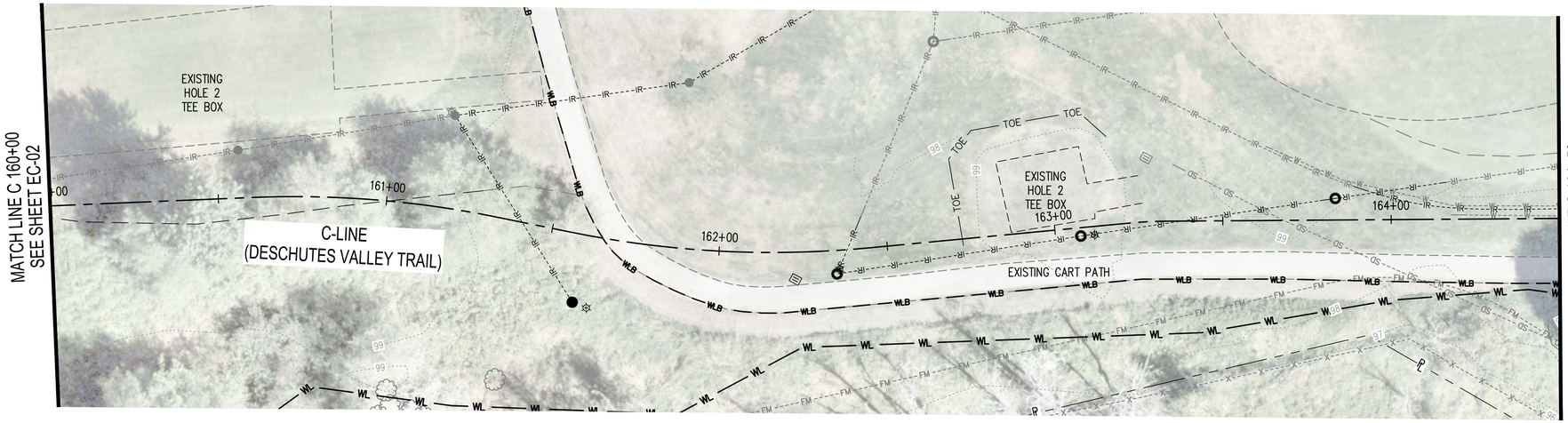
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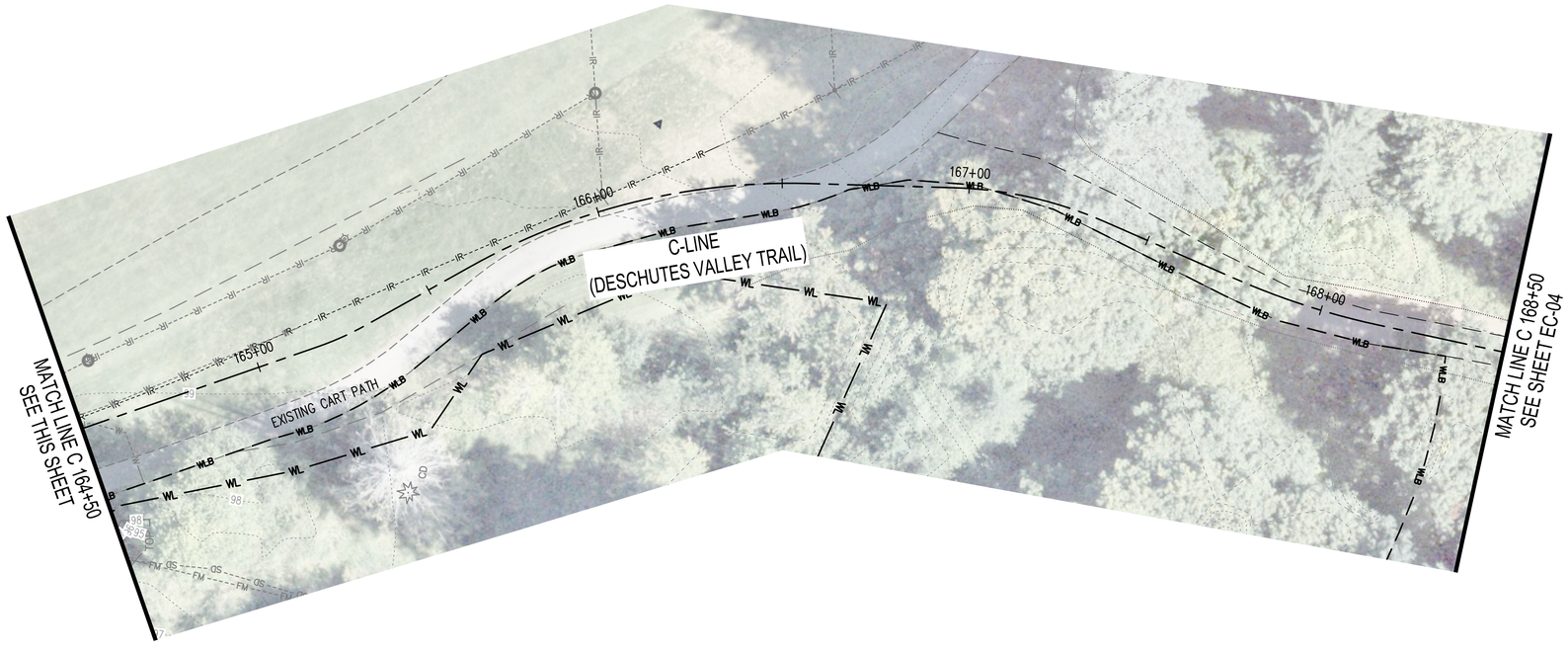
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DRAWING No.: EC-02

SHEET No.: 17 OF 148

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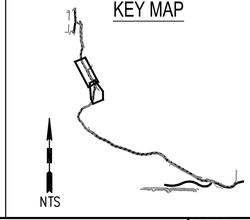
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SCALE IN FEET

EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING CART PATH
- EXISTING DIRT PATH
- EXISTING TEE BOX & FAIRWAY
- EXISTING VEGETATION LINE
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- RETAINING WALL
- EXISTING SPRINKLERS
- EXISTING CATCH BASIN TYPE 1
- EXISTING WATER VALVE
- EXISTING TREES

0 20 40
SCALE IN FEET

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-EC-02

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

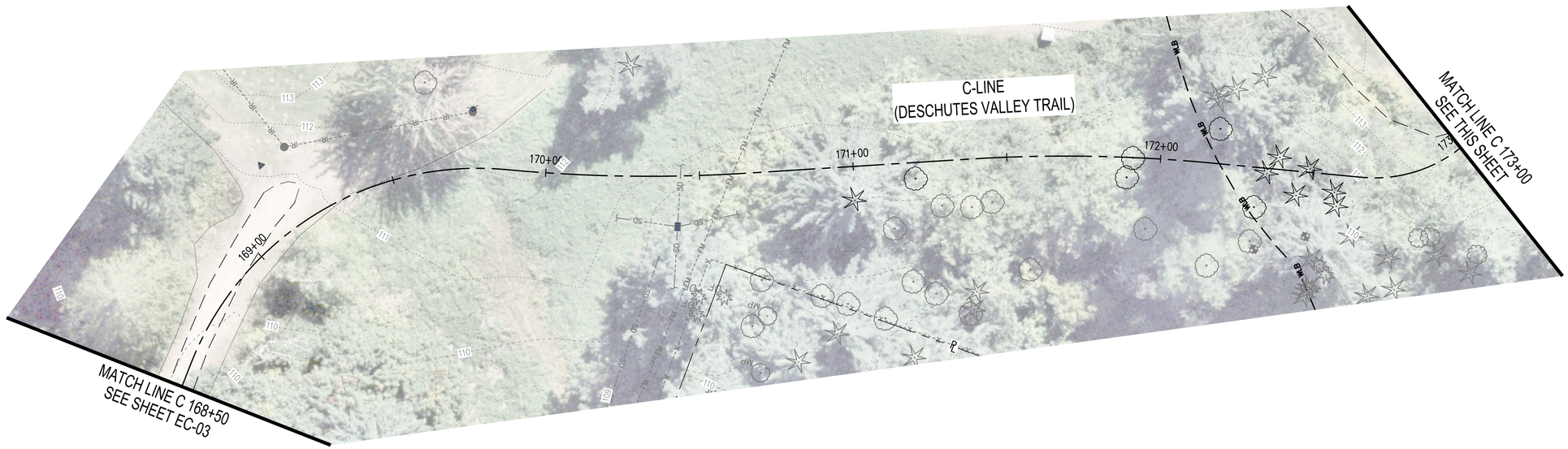
DESCHUTES VALLEY TRAIL
SEGMENT C

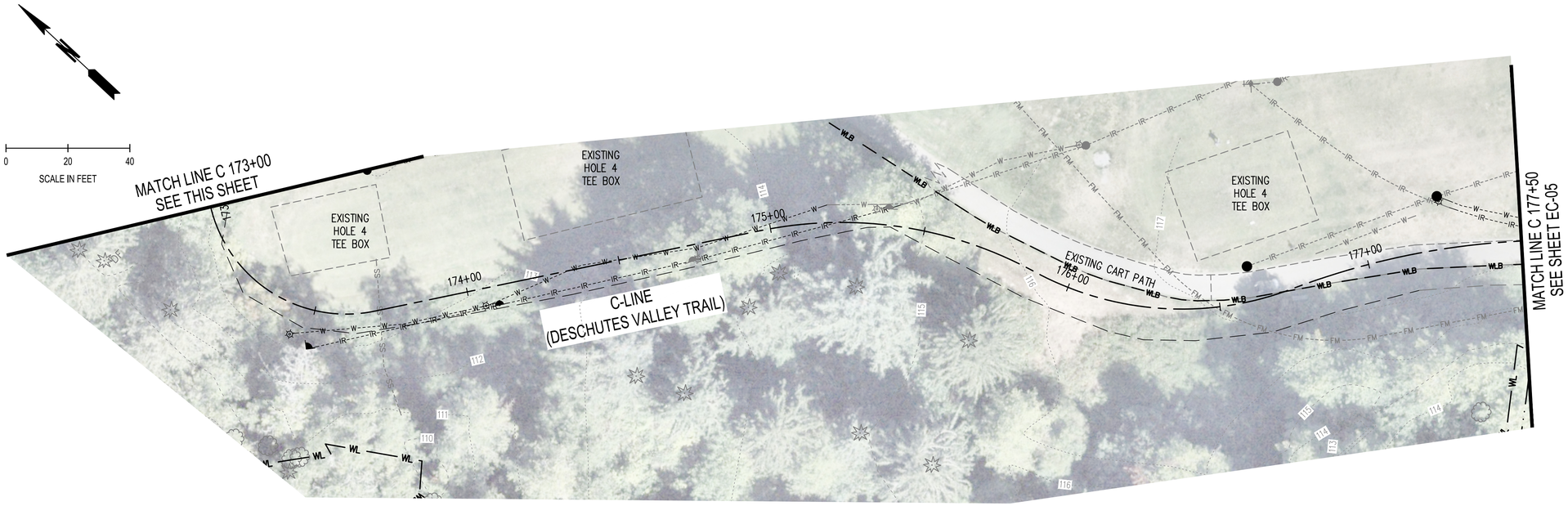
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C 160+00 - C 168+50

DRAWING No.: EC-03

SHEET No.: 18 OF 148

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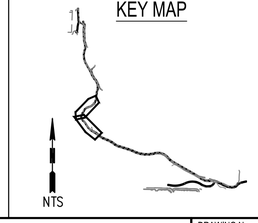




EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING CART PATH
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- RETAINING WALL
- EXISTING SPRINKLERS
- EXISTING CATCH BASIN TYPE 1
- EXISTING WATER VALVE
- EXISTING TREES

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-EC-03

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

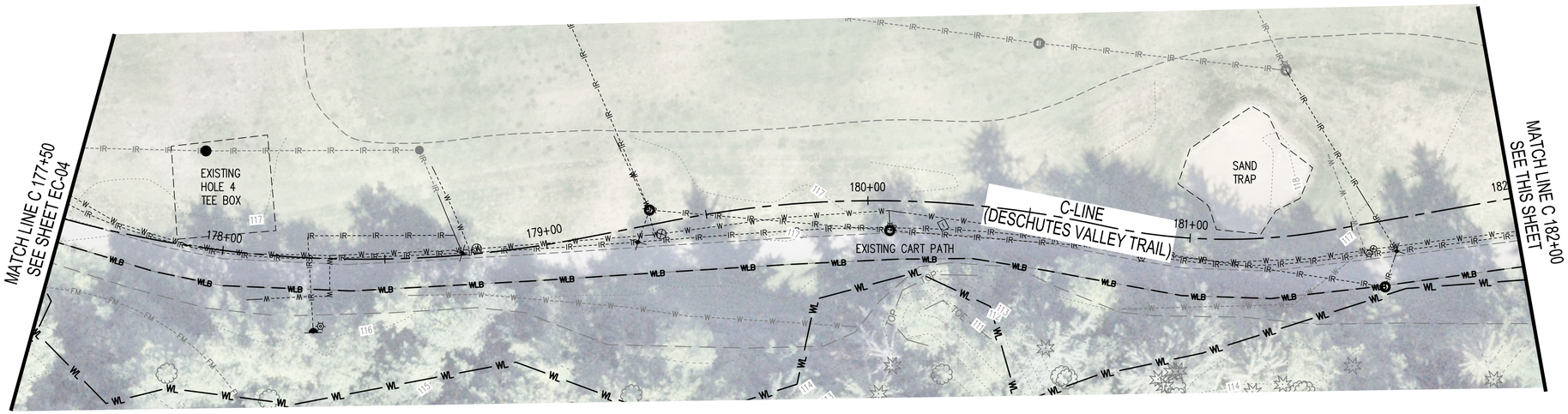
DESCHUTES VALLEY TRAIL
SEGMENT C

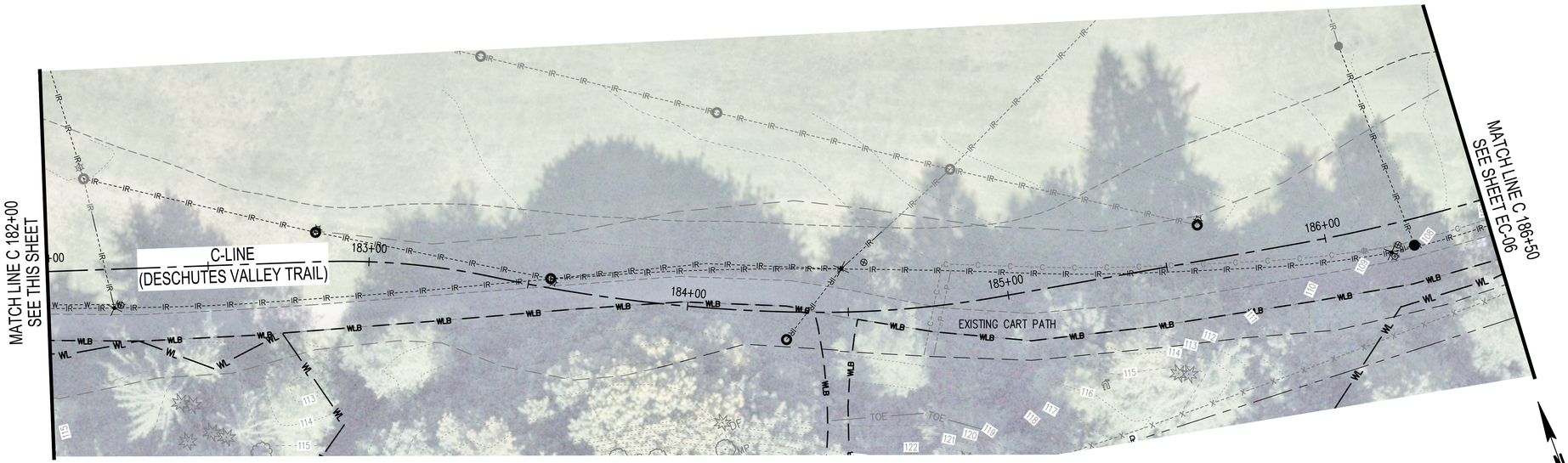
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C 168+50 - C 177+50

DRAWING No.: EC-04

SHEET No.: 19 OF 148

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N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-EC-03.DWG





0 20 40
SCALE IN FEET

EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
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- EXISTING CATCH BASIN TYPE 1
- EXISTING WATER VALVE
- EXISTING TREES

0 20 40
SCALE IN FEET

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-EC-04

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SCJALLIANCE.COM

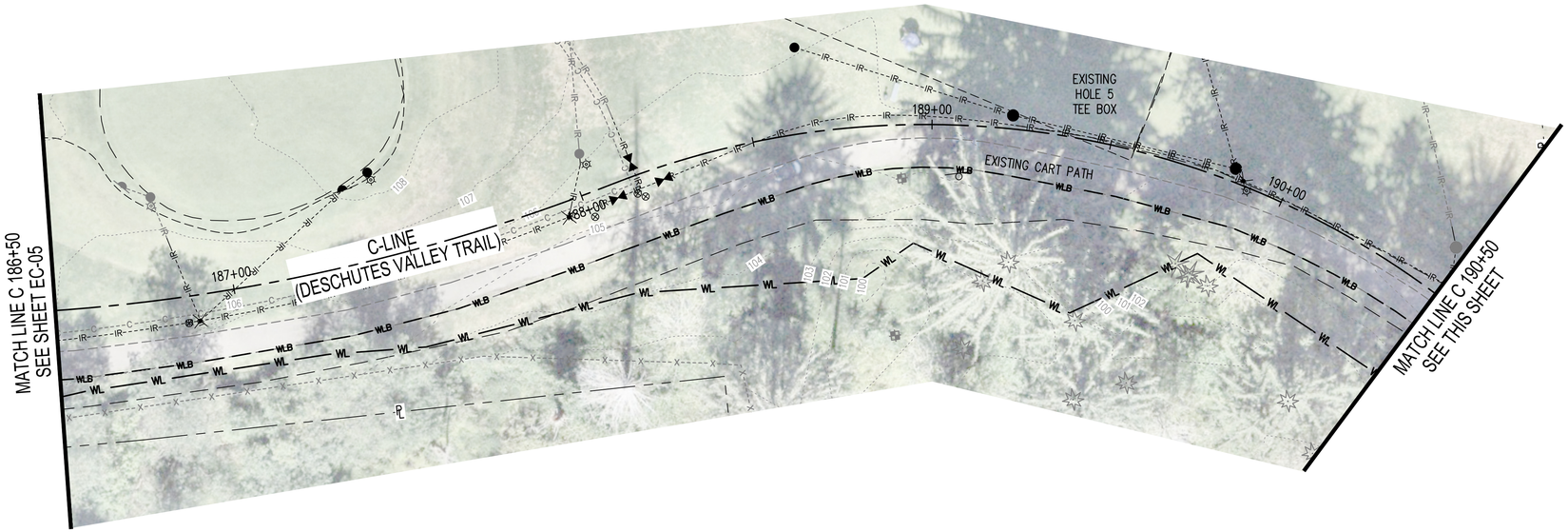
PROJECT NAME:
CITY OF TUMWATER

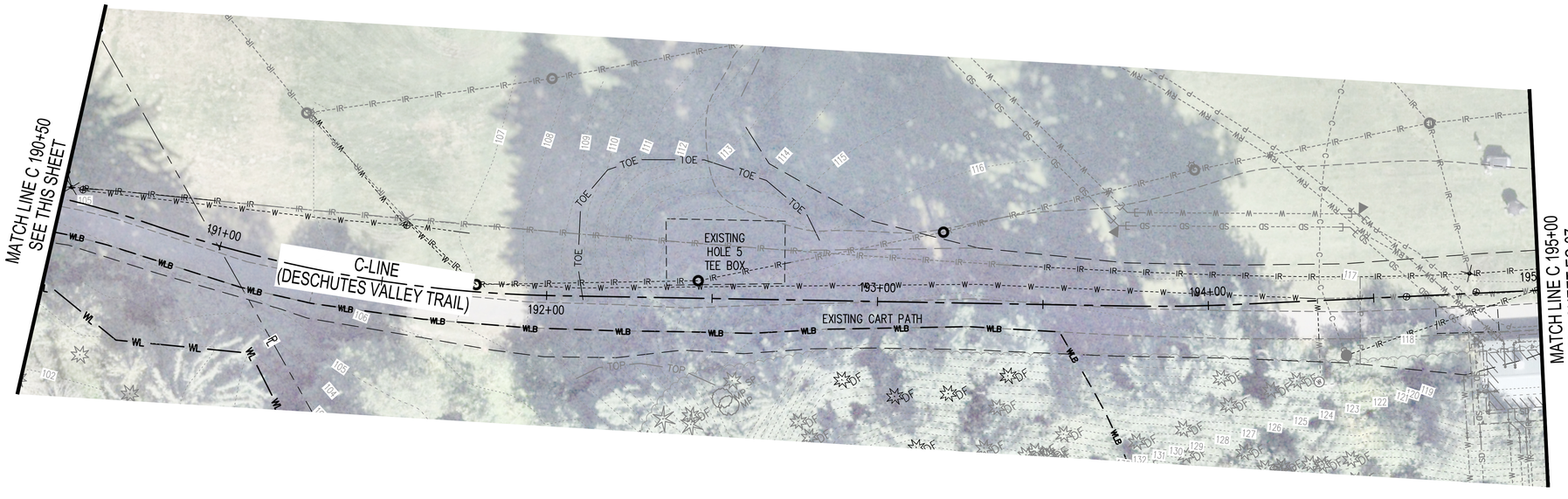
DESCHUTES VALLEY TRAIL
SEGMENT C

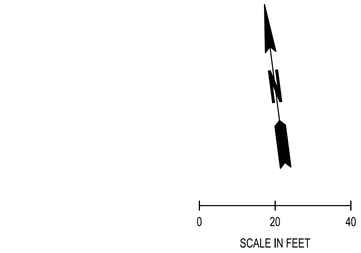
EXISTING CONDITIONS
C 177+50 - C 186+50

DRAWING No.: EC-05
SHEET No.: 20 OF 148

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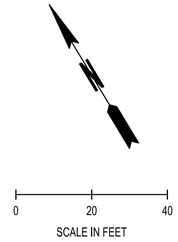




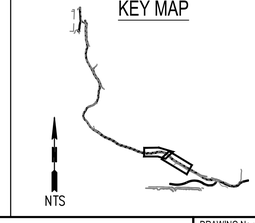


EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING CART PATH
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- EXISTING VEGETATION LINE
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- RETAINING WALL
- EXISTING SPRINKLERS
- EXISTING CATCH BASIN TYPE 1
- EXISTING WATER VALVE
- EXISTING TREES



KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. WOLFF	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-EC-05

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

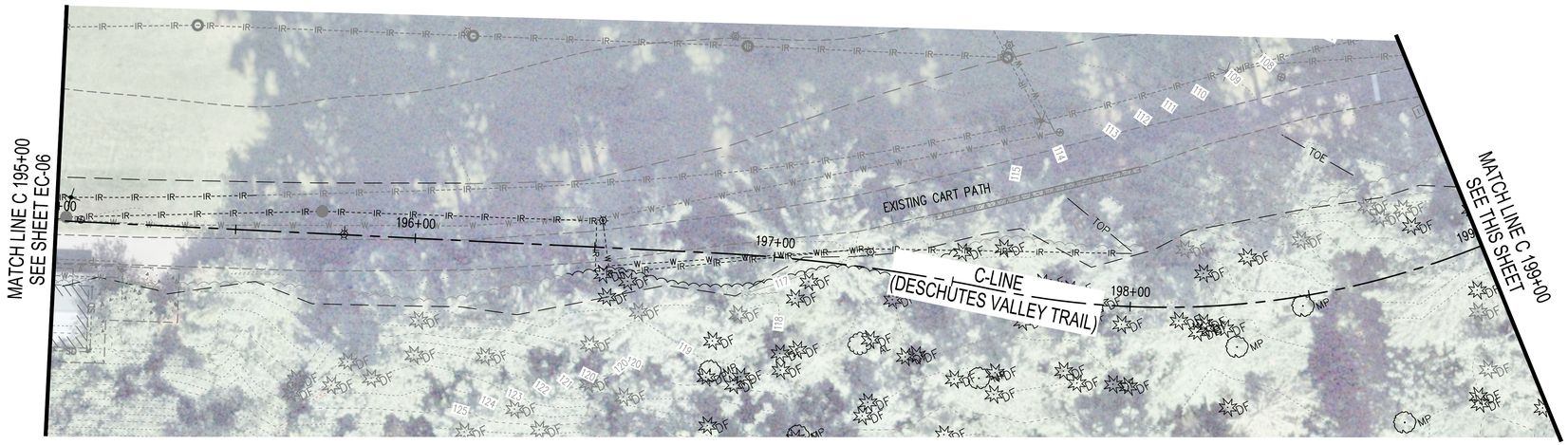
DESCHUTES VALLEY TRAIL
SEGMENT C

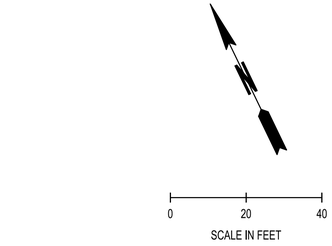
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DRAWING No.: EC-06

SHEET No.: 21 OF 148

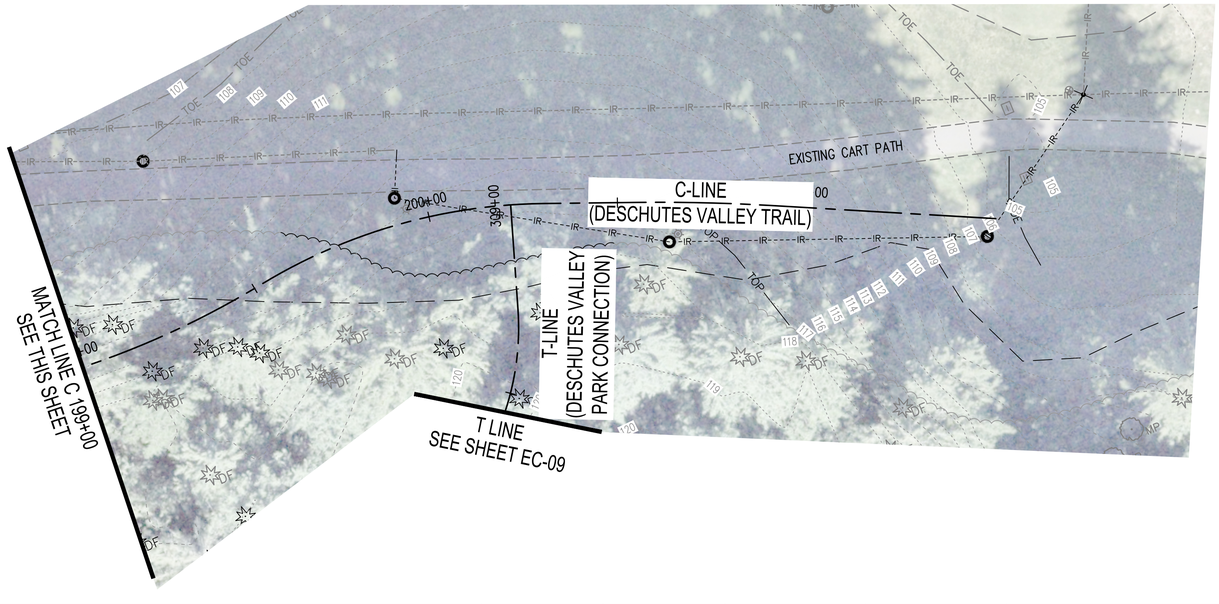
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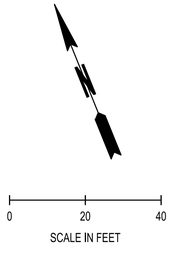




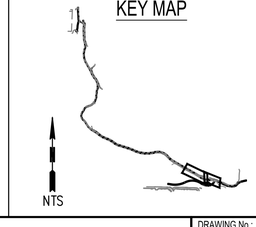
EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
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- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
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- RETAINING WALL
- EXISTING SPRINKLERS
- EXISTING CATCH BASIN TYPE 1
- EXISTING WATER VALVE
- EXISTING TREES





KEY MAP



	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-EC-06

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PRELIMINARY

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CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

EXISTING CONDITIONS
C 195+00 - C 202+00

DRAWING No.: EC-07
SHEET No.: 22 OF 148

Aug 20, 2026 1:28:44pm – User: aufreyriebsen
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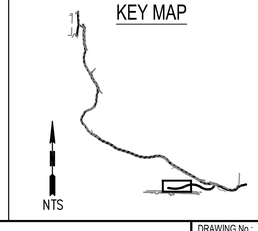
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SCALE IN FEET

EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
- EXISTING CONTOUR MAJOR
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- EXISTING WATER VALVE
- EXISTING TREES

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-EC-08

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

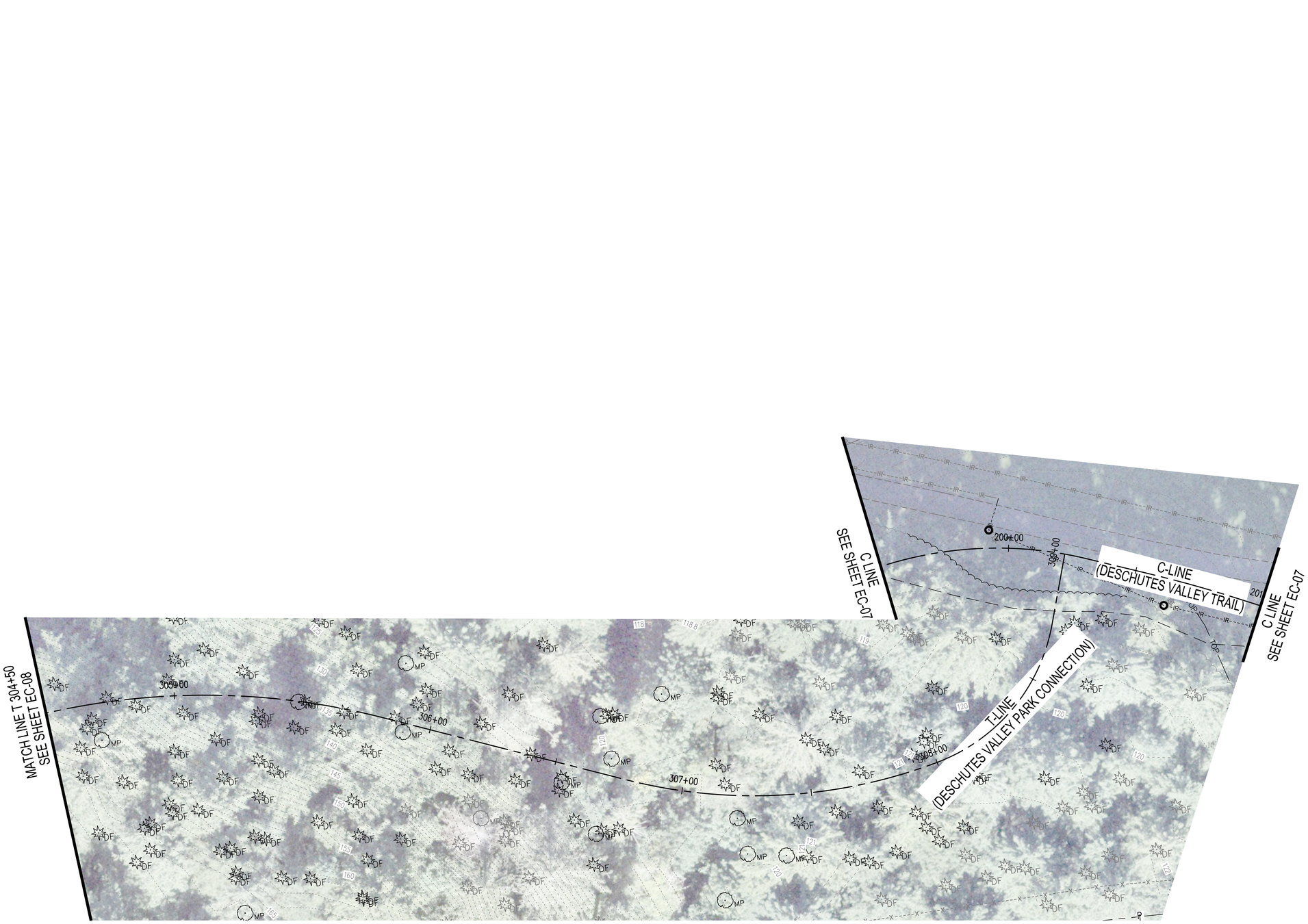
DESCHUTES VALLEY TRAIL
SEGMENT C

EXISTING CONDITIONS
T 300+00 - T 304+50

DRAWING No.: EC-08

SHEET No.: 23 OF 148

Aug 20, 2026 1:45:05pm – User: aufreyriedsen
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0 20 40

SCALE IN FEET

EXISTING LEGEND

- RIGHT-OF-WAY (R/W)
- PROPERTY LINE
- TRAIL CENTERLINE
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KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. WOLFF
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-EC-09

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

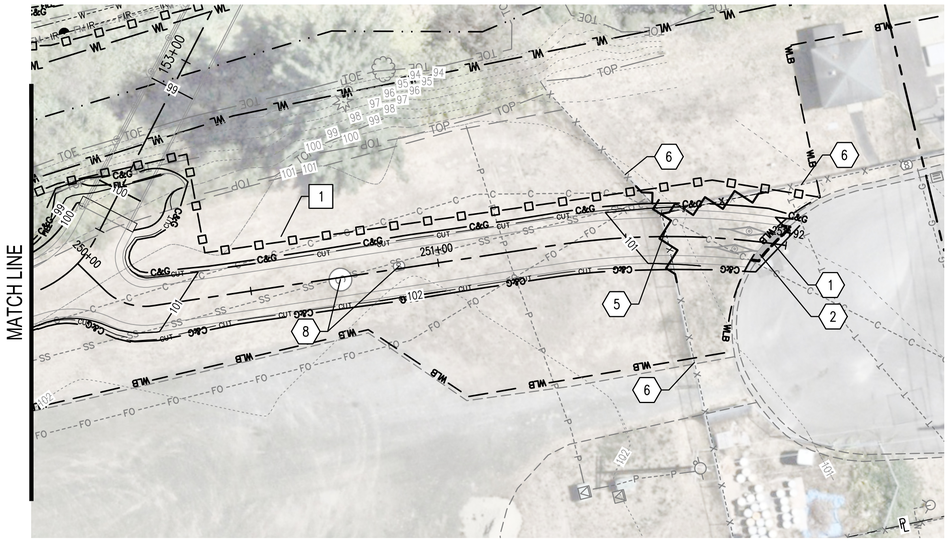
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SEGMENT C

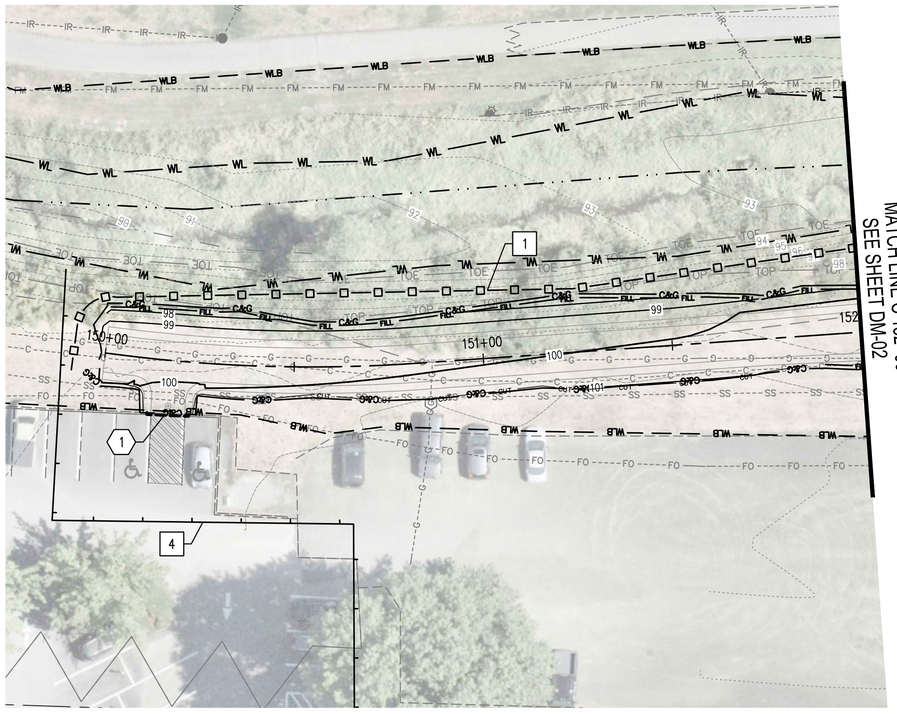
EXISTING CONDITIONS
T 304+50 - T 309+05

DRAWING No.: EC-09

SHEET No.: 24 OF 148

Aug 20, 2026 1:26:37pm - User: aufreyrichelson
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N

0 20 40

SCALE IN FEET

LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
- COIR LOG
- TREE PROTECTION FENCING
- TEMPORARY CONSTRUCTION FENCING
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LIMIT
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- SHORELINE
- SAWCUT (TYP)
- REMOVAL
- ASPHALT PAVEMENT REMOVAL
- EXISTING CART PATH REMOVAL (PAID UNDER ROADWAY EXCAVATION)
- ASPHALT PAVEMENT AND SUBGRADE REMOVAL

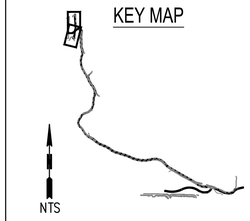
X DEMOLITION NOTES:

1. SAWCUT EX. ASPHALT PAVEMENT OR CONCRETE PAVEMENT WHERE SHOWN.
2. REMOVE ASPHALT PAVEMENT AND DISPOSE OFF SITE.
3. REMOVE ASPHALT PAVEMENT AND SUBGRADE TO NATIVE MINERAL SOIL OR TO A MINIMUM DEPTH OF 0.5' BELOW PROPOSED FINISH GRADE, AND DISPOSE OFF SITE.
4. REMOVE EX. CATCH BASIN & DISPOSE OFF SITE.
5. REMOVE EX. CHAIN LINK FENCE & FOOTINGS TO NEAREST POST & DISPOSE OFF SITE.
6. RETAIN & PROTECT EX. CHAIN LINK FENCE TO REMAIN.
7. ADJUST RIM ELEVATION OF CATCH BASIN OR OTHER DRAINAGE STRUCTURE TO MATCH FINISH GRADE.
8. ADJUST RIM ELEVATION OF EX. UTILITY VAULTS/BOXES, CLEANOUTS, ETC., TO MATCH FINISH GRADE.
9. RETAIN & PROTECT ALL EXISTING UTILITY VAULTS, BOXES, POSTS, ETC. IN PLACE.
10. TEE BOX AND SAND TRAP SHALL BE RELOCATED. SEE SHEET TR-01 TO TR-04.
11. CONTRACTOR TO LOCATE HOLE SIGN. IF THERE IS A CONFLICT WITH THE SIGN AND PROPOSED CONSTRUCTION REMOVE AND PROTECT HOLE SIGN FOR RELOCATION.
12. REMOVE POWER LINE. SEE PP-03 FOR MODIFICATIONS AND REINSTALLATION. COORDINATE POWER SHUTOFF WITH THE CITY OF TUMWATER. POWER SHALL BE RESTORED WITHIN 24 HOURS.

X EROSION CONTROL NOTES:

1. HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17-01.
2. INLET PROTECTION PER WSDOT STD PLAN I-40.20.
3. COIR LOG PER WSDOT STD PLAN I-30.60.
4. TEMPORARY CONSTRUCTION FENCING PER DETAIL ON SHEET DM-10, SEE SPECIAL PROVISION 2-04.
5. TEMPORARY TREE PROTECTION FENCING PER DETAIL ON SHEET DM-10.

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-DM-00

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM, STATE OF WASHINGTON, 49470, REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

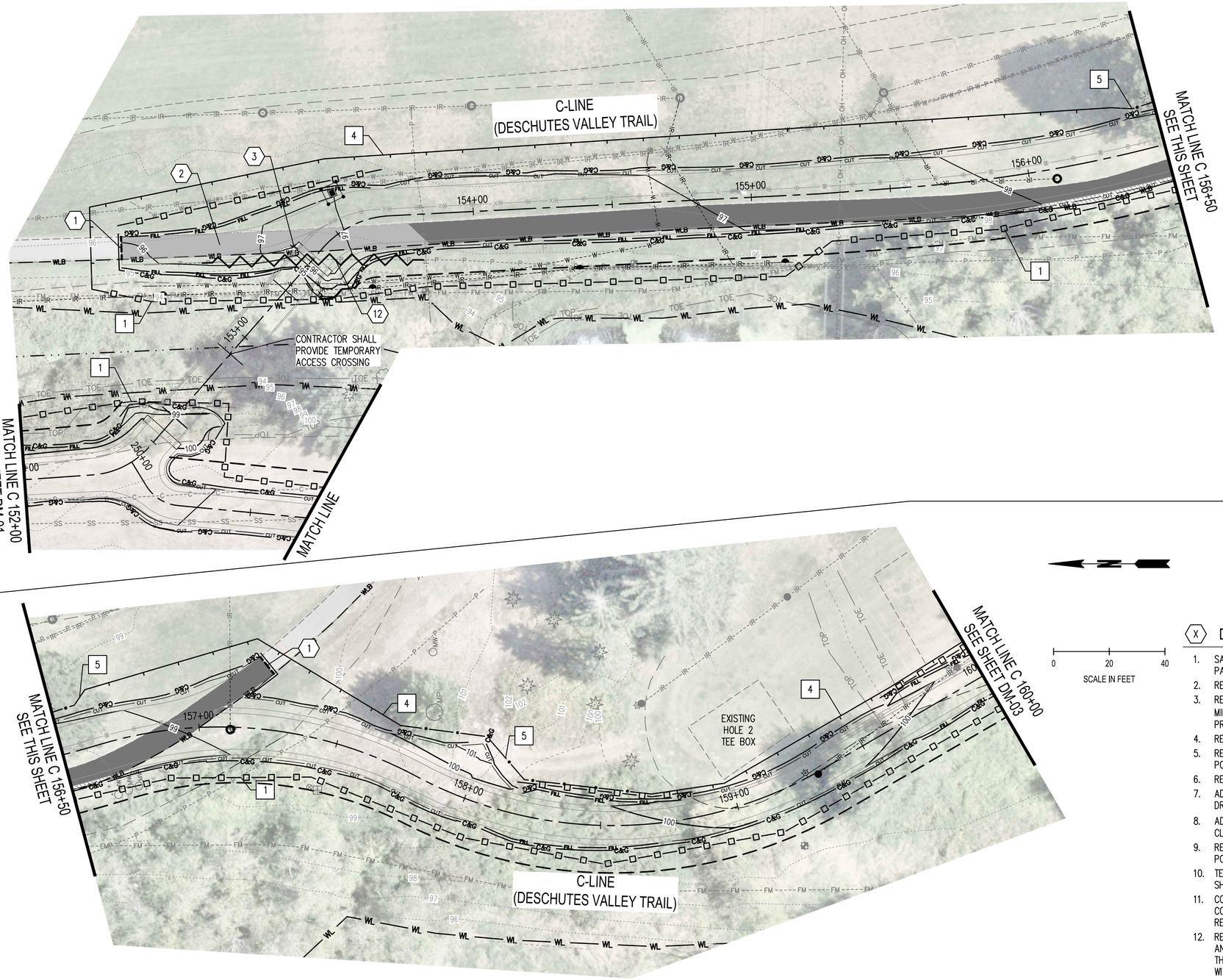
DESCHUTES VALLEY TRAIL
SEGMENT C

DEMOLITION AND TESC PLAN
C 150+00 - C 152+00 & M 250+00 - M 251+92

DRAWING No.: DM-01

SHEET No.: 25 OF 148

Aug 20, 2026 1:34:46pm - User: audreynielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-00.DWG



0 20 40
SCALE IN FEET

LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
- COIR LOG
- TREE PROTECTION FENCING
- TEMPORARY CONSTRUCTION FENCING
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LIMIT
- EXISTING CONTOUR MAJOR
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- SHORELINE
- SAWCUT (TYP)
- REMOVAL
- ASPHALT PAVEMENT REMOVAL
- EXISTING CART PATH REMOVAL (PAID UNDER ROADWAY EXCAVATION)
- ASPHALT PAVEMENT AND SUBGRADE REMOVAL

(X) DEMOLITION NOTES:

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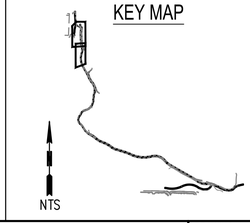
(X) EROSION CONTROL NOTES:

1. HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17-01.
2. INLET PROTECTION PER WSDOT STD PLAN I-40.20.
3. COIR LOG PER WSDOT STD PLAN I-30.60.
4. TEMPORARY CONSTRUCTION FENCING PER DETAIL ON SHEET DM-10, SEE SPECIAL PROVISION 2-04.
5. TEMPORARY TREE PROTECTION FENCING PER DETAIL ON SHEET DM-10.

GENERAL NOTES:

1. IRRIGATION DEMOLITION IS SHOWN ON THE IRRIGATION MODIFICATION PLAN, SEE IR-01 TO IR-06.

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-DM-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

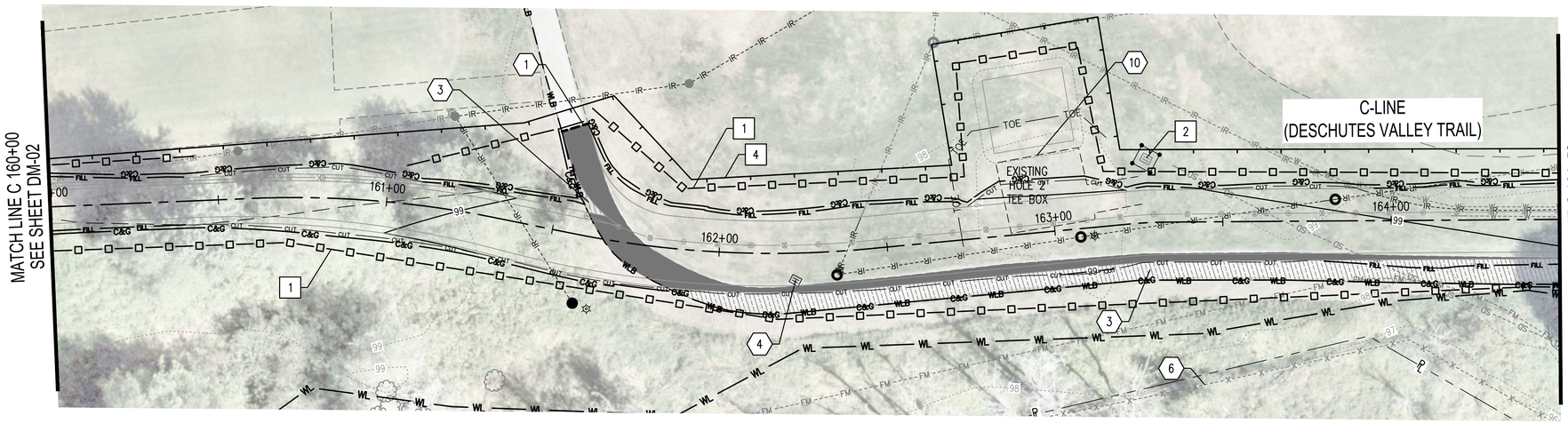
CITY OF TUMWATER

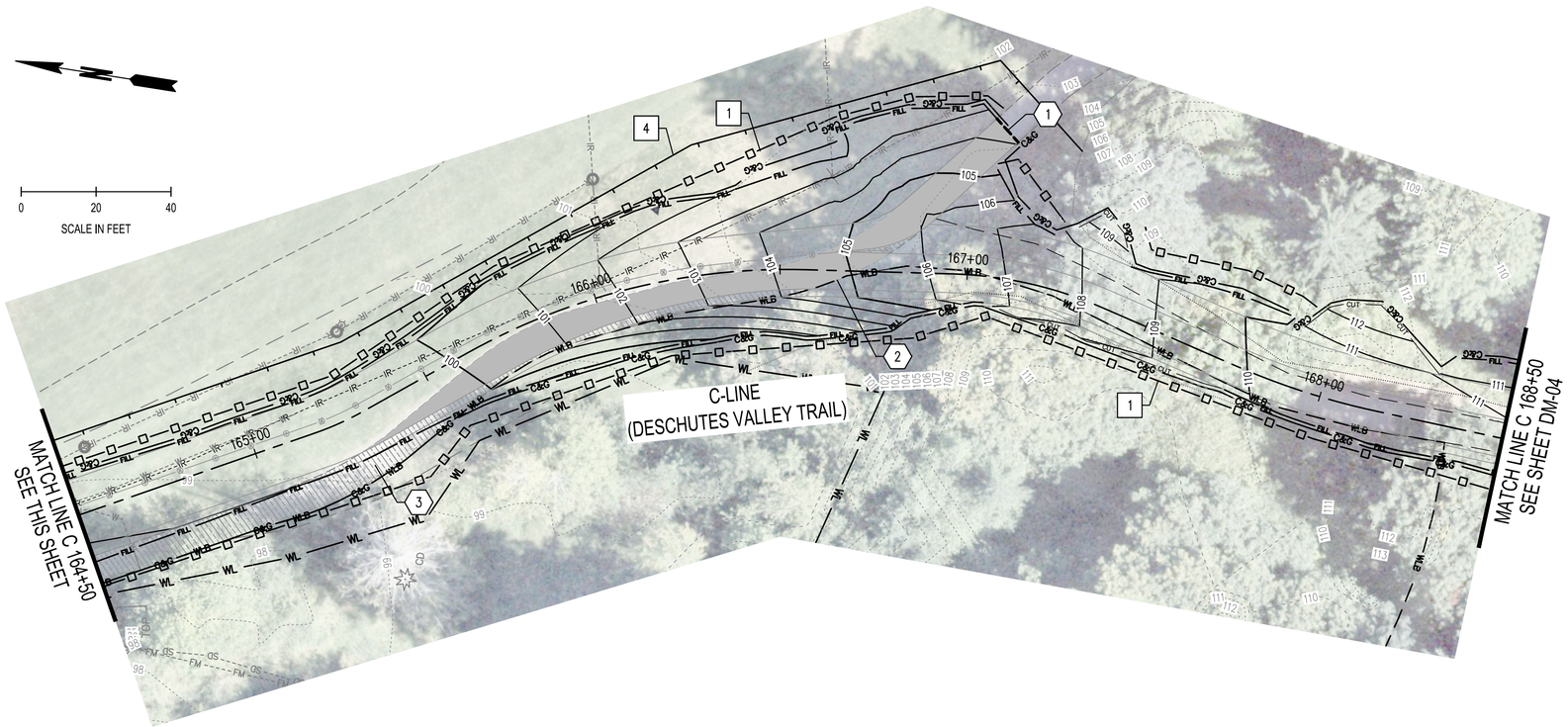
DESCHUTES VALLEY TRAIL
SEGMENT C

DEMOLITION AND TESC PLAN
C 152+00 - C 160+00

DRAWING No.: DM-02
SHEET No.: 26 OF 148

Aug 20, 2026 - 3:21:17pm - User: rikki.martinez
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-01.DWG





0 20 40

SCALE IN FEET

LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
- COIR LOG
- TREE PROTECTION FENCING
- TEMPORARY CONSTRUCTION FENCING
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LIMIT
- EXISTING CONTOUR MAJOR
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- SAWCUT (TYP)
- REMOVAL
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- EXISTING CART PATH REMOVAL (PAID UNDER ROADWAY EXCAVATION)
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4. REMOVE EX. CATCH BASIN & DISPOSE OFF SITE.
5. REMOVE EX. CHAIN LINK FENCE & FOOTINGS TO NEAREST POST & DISPOSE OFF SITE.
6. RETAIN & PROTECT EX. CHAIN LINK FENCE TO REMAIN.
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12. REMOVE POWER LINE. SEE PP-03 FOR MODIFICATIONS AND REINSTALLATION. COORDINATE POWER SHUTOFF WITH THE CITY OF TUMWATER. POWER SHALL BE RESTORED

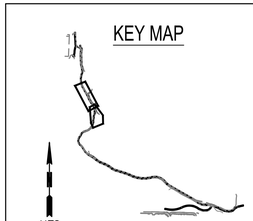
(X) EROSION CONTROL NOTES:

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2. INLET PROTECTION PER WSDOT STD PLAN I-40.20.
3. COIR LOG PER WSDOT STD PLAN I-30.60.
4. TEMPORARY CONSTRUCTION FENCING PER DETAIL ON SHEET DM-10, SEE SPECIAL PROVISION 2-04.
5. TEMPORARY TREE PROTECTION FENCING PER DETAIL ON SHEET DM-10.

GENERAL NOTES:

1. IRRIGATION DEMOLITION IS SHOWN ON THE IRRIGATION MODIFICATION PLAN, SEE IR-01 TO IR-06.

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-DM-02

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

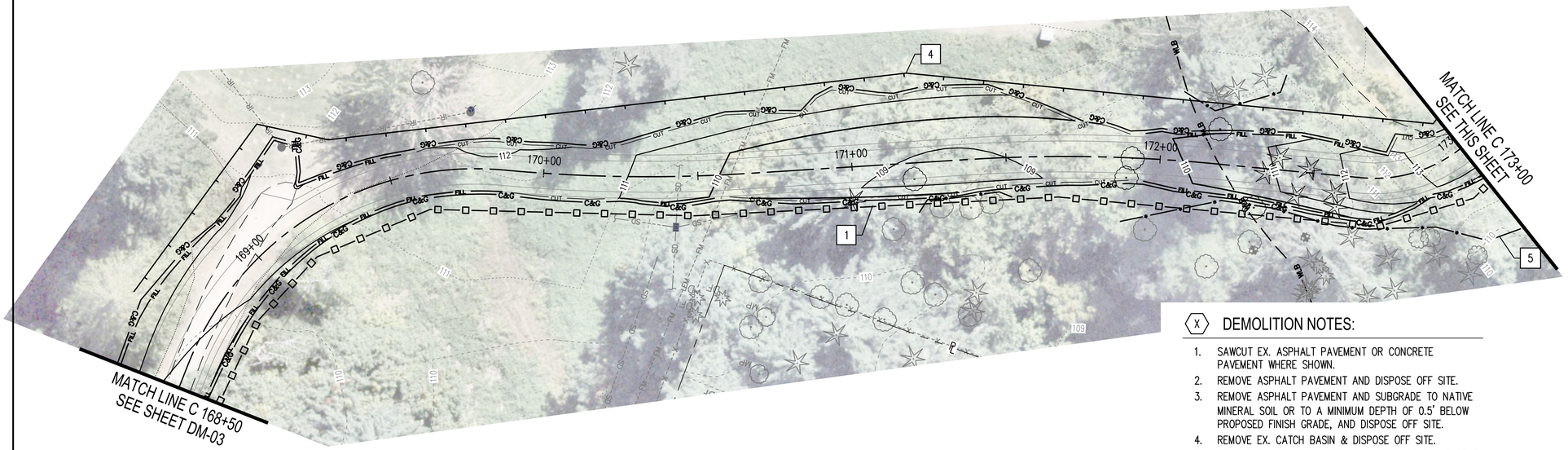
DESCHUTES VALLEY TRAIL
SEGMENT C

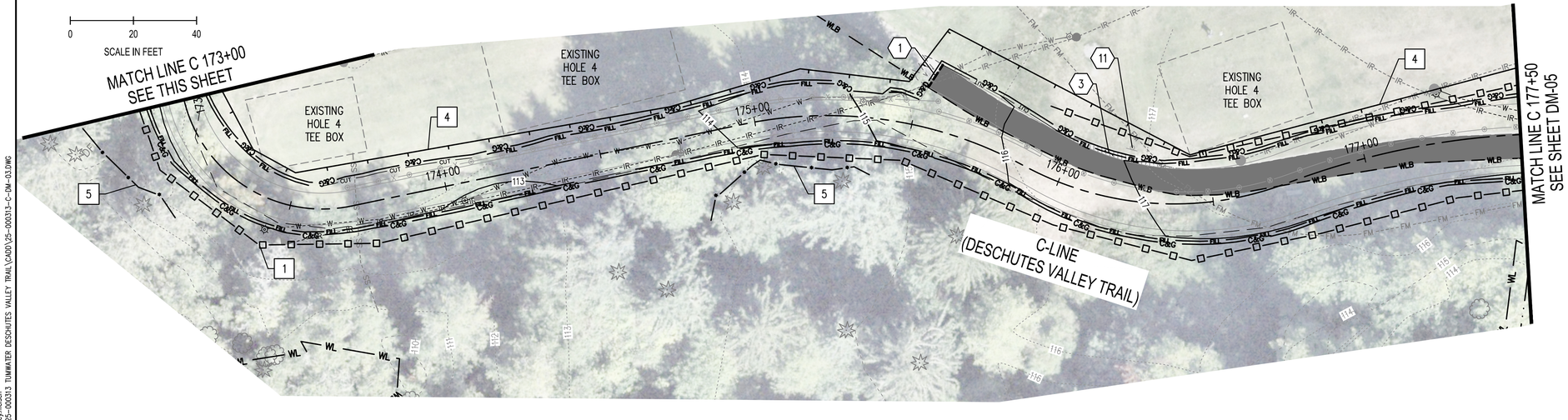
DEMOLITION AND TESC PLAN
C 160+00 - C 168+50

DRAWING No.: DM-03

SHEET No.: 27 OF 148

Aug 20, 2026 3:21:19pm - User: nikkimartinez
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-02.DWG





DEMOLITION NOTES:

1. SAWCUT EX. ASPHALT PAVEMENT OR CONCRETE PAVEMENT WHERE SHOWN.
2. REMOVE ASPHALT PAVEMENT AND DISPOSE OFF SITE.
3. REMOVE ASPHALT PAVEMENT AND SUBGRADE TO NATIVE MINERAL SOIL OR TO A MINIMUM DEPTH OF 0.5' BELOW PROPOSED FINISH GRADE, AND DISPOSE OFF SITE.
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12. REMOVE POWER LINE. SEE PP-03 FOR MODIFICATIONS AND REINSTALLATION. COORDINATE POWER SHUTOFF WITH THE CITY OF TUMWATER. POWER SHALL BE RESTORED WITHIN 24 HOURS.

0
20
40
SCALE IN FEET

LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
- COIR LOG
- TREE PROTECTION FENCING
- TEMPORARY CONSTRUCTION FENCING
- CUT LINE
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EROSION CONTROL NOTES:

1. HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17-01.
2. INLET PROTECTION PER WSDOT STD PLAN I-40.20.
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GENERAL NOTES:

1. IRRIGATION DEMOLITION IS SHOWN ON THE IRRIGATION MODIFICATION PLAN, SEE IR-01 TO IR-06.

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. WOLFF
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-DM-03

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
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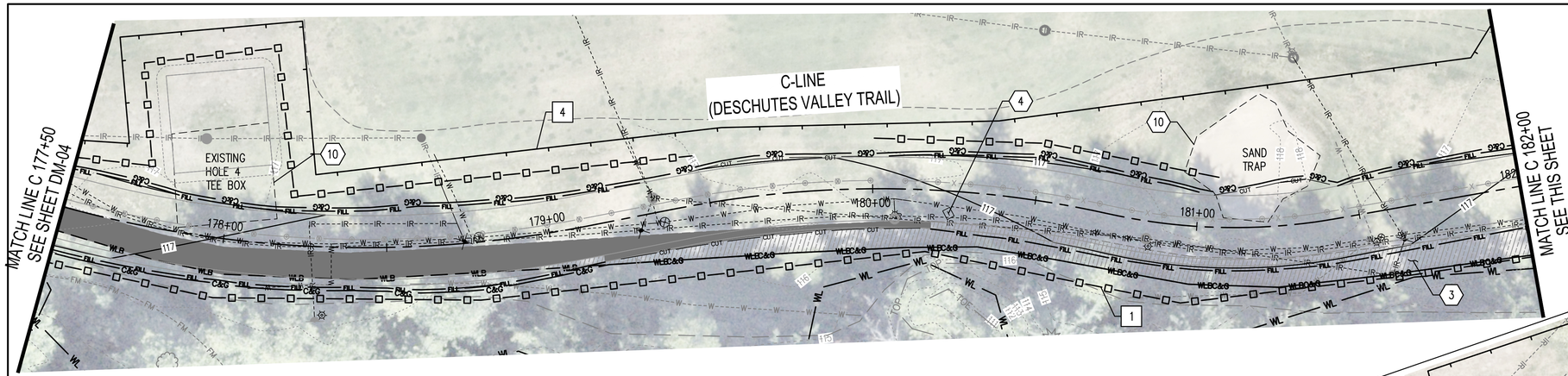
PROJECT NAME:
CITY OF TUMWATER

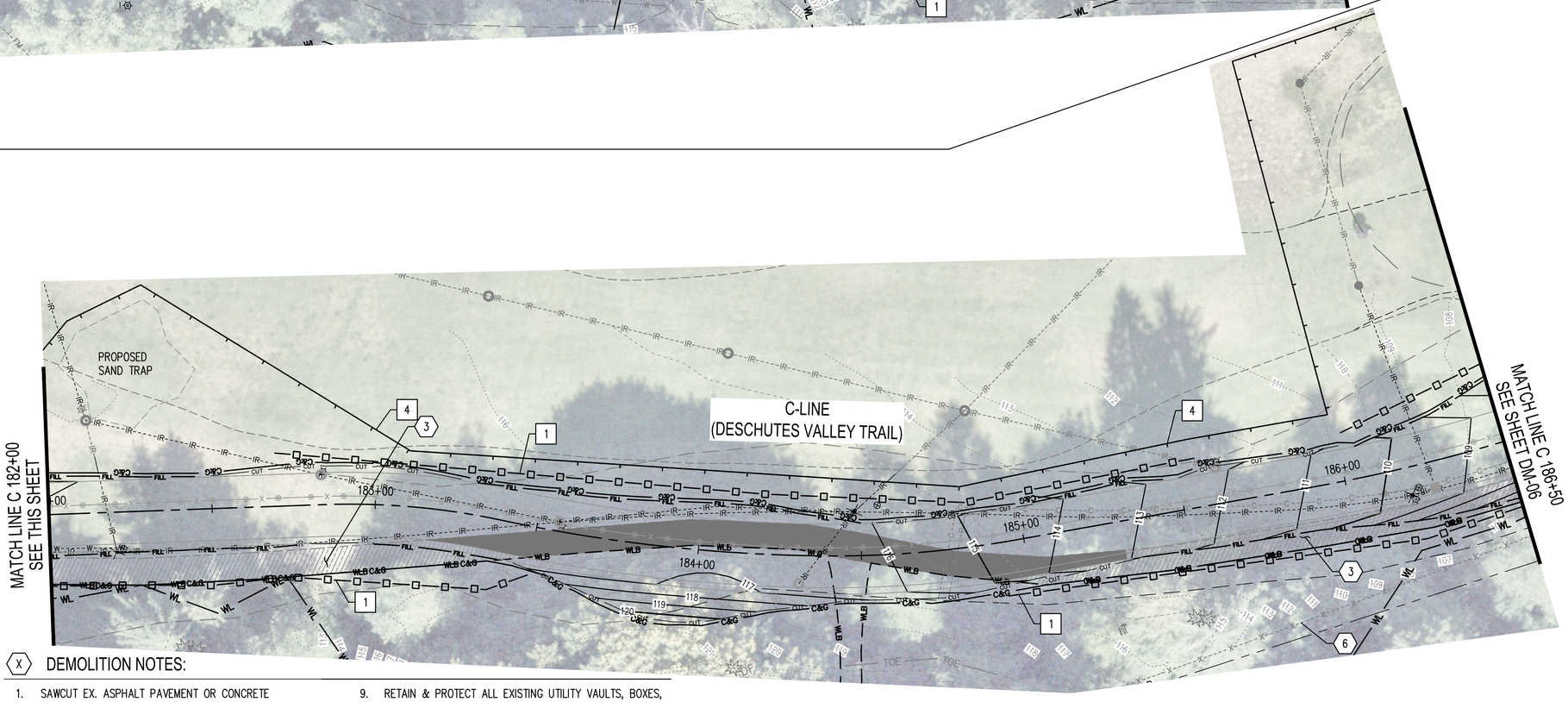
DESCHUTES VALLEY TRAIL SEGMENT C

DEMOLITION AND TESC PLAN C 168+50 - C 177+50

DRAWING No.: DM-04
SHEET No.: 28 OF 148

Aug 20, 2026 - 12:57:31pm - User: aufreynielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-03.DWG





0 20 40
SCALE IN FEET

LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
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GENERAL NOTES:

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0 20 40
SCALE IN FEET

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KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-DM-04

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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PRELIMINARY

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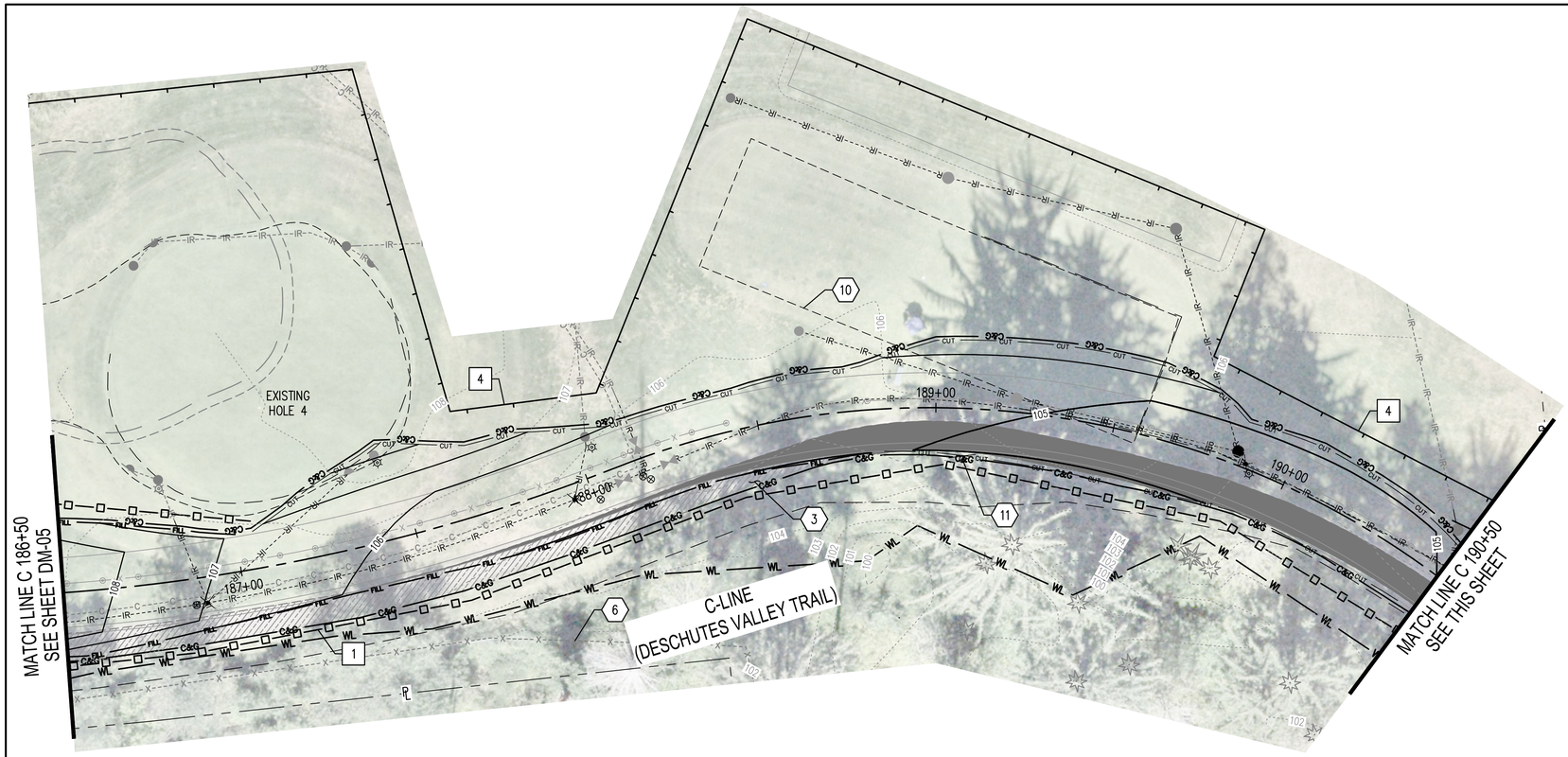
PROJECT NAME:
CITY OF TUMWATER

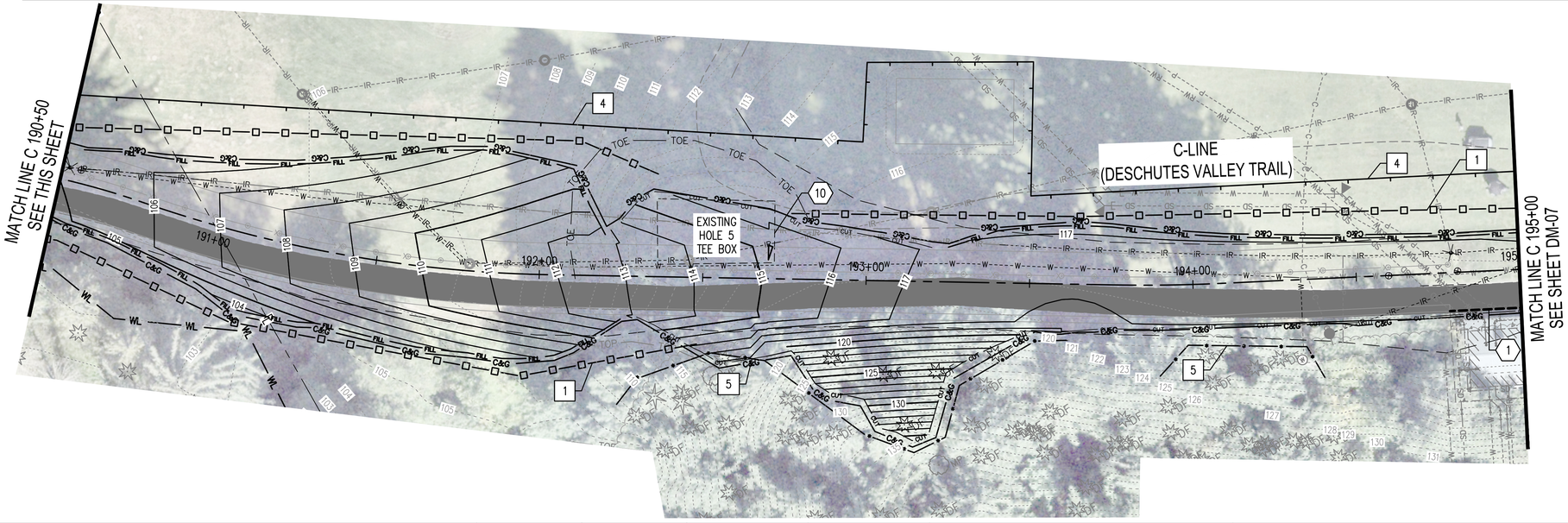
DESCHUTES VALLEY TRAIL
SEGMENT C

DEMOLITION AND TESC PLAN
C 177+50 - C 186+50

DRAWING No.: DM-05
SHEET No.: 29 OF 148

Aug 20, 2026 1:37:20pm - User: audreyvielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-04.DWG





DEMOLITION NOTES:

1. SAWCUT EX. ASPHALT PAVEMENT OR CONCRETE PAVEMENT WHERE SHOWN.
2. REMOVE ASPHALT PAVEMENT AND DISPOSE OFF SITE.
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LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
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0 20 40
SCALE IN FEET

EROSION CONTROL NOTES:

1. HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17-01.
2. INLET PROTECTION PER WSDOT STD PLAN I-40.20.
3. COIR LOG PER WSDOT STD PLAN I-30.60.
4. TEMPORARY CONSTRUCTION FENCING PER DETAIL ON SHEET DM-10, SEE SPECIAL PROVISION 2-04.
5. TEMPORARY TREE PROTECTION FENCING PER DETAIL ON SHEET DM-10.

0 20 40
SCALE IN FEET

GENERAL NOTES:

1. IRRIGATION DEMOLITION IS SHOWN ON THE IRRIGATION MODIFICATION PLAN, SEE IR-01 TO IR-06.

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M .WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-DM-05

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49970 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

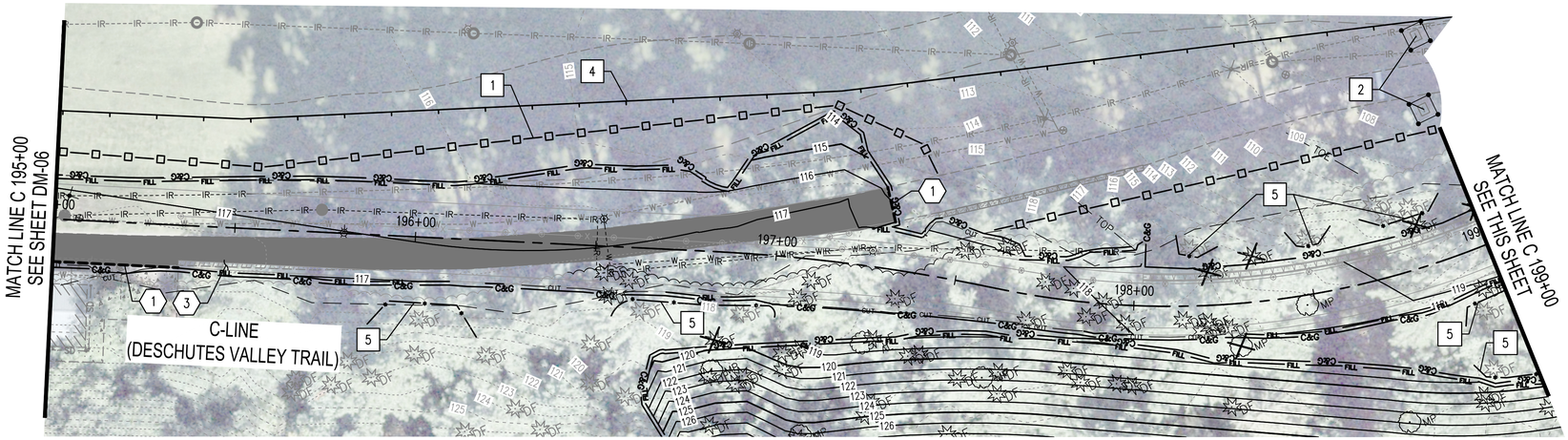
CITY OF TUMWATER

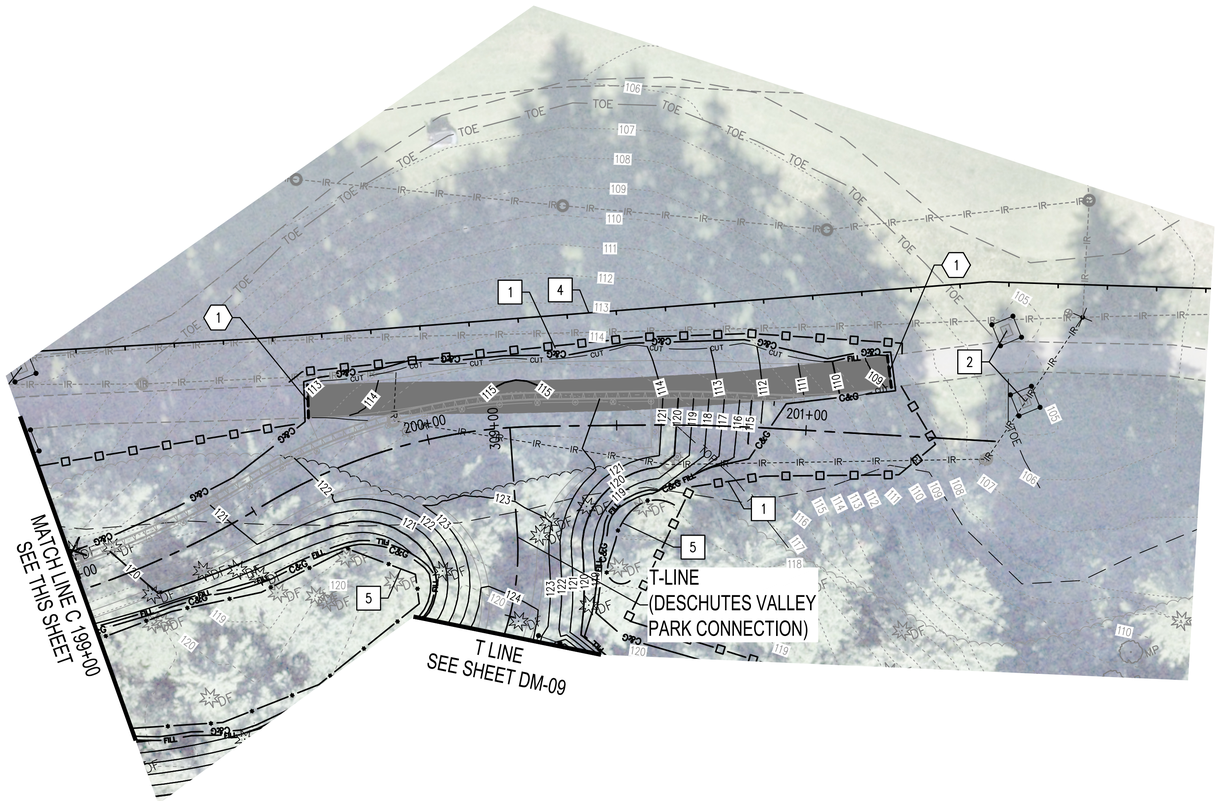
DESCHUTES VALLEY TRAIL
SEGMENT C

DEMOLITION AND TESC PLAN
C 186+50 - C 195+00

DRAWING No.: DM-06
SHEET No.: 30 OF 148

Aug 20, 2026 12:52:23pm – User: audreym.nielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-05.DWG





0 20 40
SCALE IN FEET

LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
- COIR LOG
- TREE PROTECTION FENCING
- TEMPORARY CONSTRUCTION FENCING
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LIMIT
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- SHORELINE
- SAWCUT (TYP)
- REMOVAL
- ASPHALT PAVEMENT REMOVAL
- EXISTING CART PATH REMOVAL (PAID UNDER ROADWAY EXCAVATION)
- ASPHALT PAVEMENT AND SUBGRADE REMOVAL

X EROSION CONTROL NOTES:

1. HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17-01.
2. INLET PROTECTION PER WSDOT STD PLAN I-40.20.
3. COIR LOG PER WSDOT STD PLAN I-30.60.
4. TEMPORARY CONSTRUCTION FENCING PER DETAIL ON SHEET DM-10, SEE SPECIAL PROVISION 2-04.
5. TEMPORARY TREE PROTECTION FENCING PER DETAIL ON SHEET DM-10.

GENERAL NOTES:

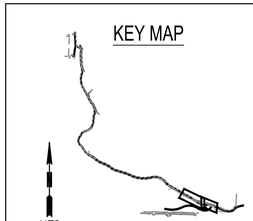
1. IRRIGATION DEMOLITION IS SHOWN ON THE IRRIGATION MODIFICATION PLAN, SEE IR-01 TO IR-06.

0 20 40
SCALE IN FEET

X DEMOLITION NOTES:

1. SAWCUT EX. ASPHALT PAVEMENT OR CONCRETE PAVEMENT WHERE SHOWN.
2. REMOVE ASPHALT PAVEMENT AND DISPOSE OFF SITE.
3. REMOVE ASPHALT PAVEMENT AND SUBGRADE TO NATIVE MINERAL SOIL OR TO A MINIMUM DEPTH OF 0.5' BELOW PROPOSED FINISH GRADE, AND DISPOSE OFF SITE.
4. REMOVE EX. CATCH BASIN & DISPOSE OFF SITE.
5. REMOVE EX. CHAIN LINK FENCE & FOOTINGS TO NEAREST POST & DISPOSE OFF SITE.
6. RETAIN & PROTECT EX. CHAIN LINK FENCE TO REMAIN.
7. ADJUST RIM ELEVATION OF CATCH BASIN OR OTHER DRAINAGE STRUCTURE TO MATCH FINISH GRADE.
8. ADJUST RIM ELEVATION OF EX. UTILITY VAULTS/BOXES, CLEANOUTS, ETC., TO MATCH FINISH GRADE.
9. RETAIN & PROTECT ALL EXISTING UTILITY VAULTS, BOXES, POSTS, ETC. IN PLACE.
10. TEE BOX AND SAND TRAP SHALL BE RELOCATED. SEE SHEET TR-01 TO TR-04.
11. CONTRACTOR TO LOCATE HOLE SIGN. IF THERE IS A CONFLICT WITH THE SIGN AND PROPOSED CONSTRUCTION REMOVE AND PROTECT HOLE SIGN FOR RELOCATION.
12. REMOVE POWER LINE. SEE PP-03 FOR MODIFICATIONS AND REINSTALLATION. COORDINATE POWER SHUTOFF WITH THE CITY OF TUMWATER. POWER SHALL BE RESTORED WITHIN 24 HOURS.

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-DM-06

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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PROJECT NAME:

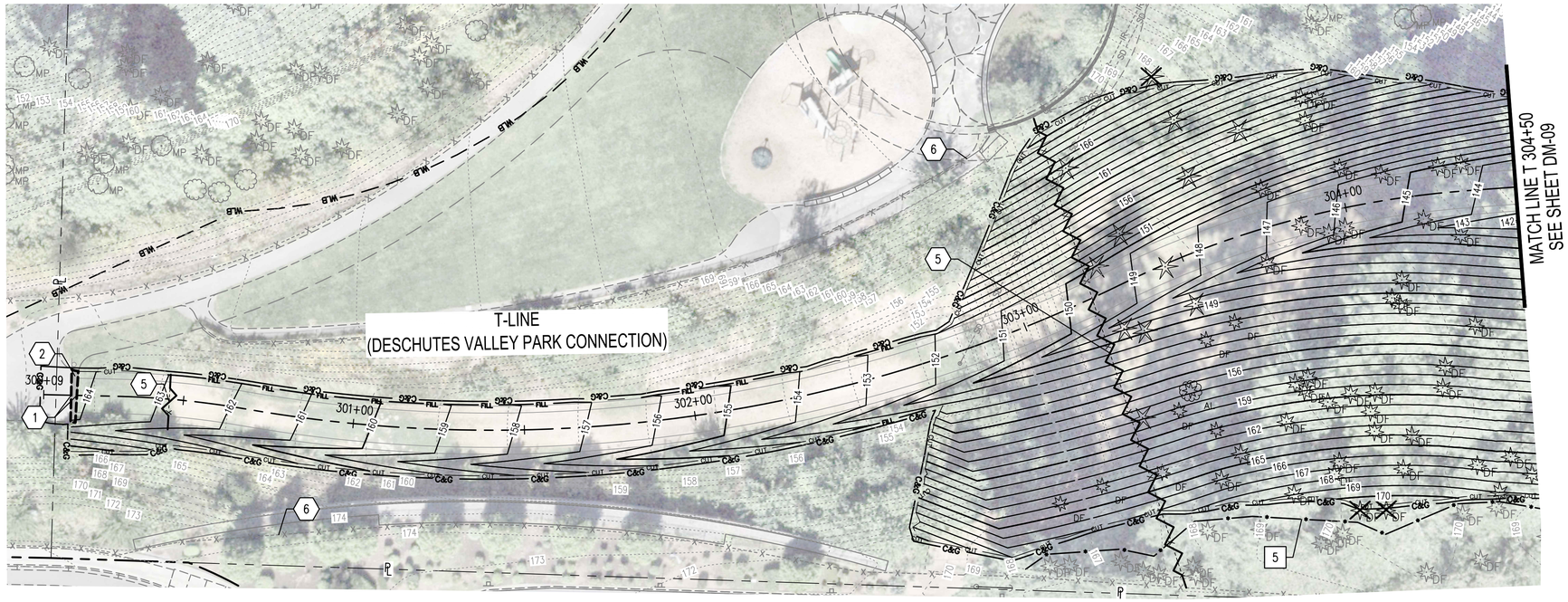
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

DEMOLITION AND TESC PLAN
C 195+00 - C 202+00

DRAWING No.: DM-07
SHEET No.: 31 OF 148

Aug 20, 2026 1:36:00pm - User: aufreynielsen
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-06.DWG



N

0 20 40

SCALE IN FEET

LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
- COIR LOG
- TREE PROTECTION FENCING
- TEMPORARY CONSTRUCTION FENCING
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LIMIT
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- SHORELINE
- SAWCUT (TYP)
- REMOVAL
- ASPHALT PAVEMENT REMOVAL
- EXISTING CART PATH REMOVAL (PAID UNDER ROADWAY EXCAVATION)
- ASPHALT PAVEMENT AND SUBGRADE REMOVAL

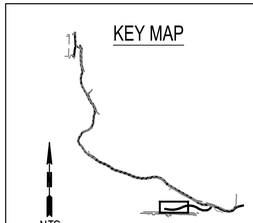
(X) DEMOLITION NOTES:

1. SAWCUT EX. ASPHALT PAVEMENT OR CONCRETE PAVEMENT WHERE SHOWN.
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4. REMOVE EX. CATCH BASIN & DISPOSE OFF SITE.
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6. RETAIN & PROTECT EX. CHAIN LINK FENCE TO REMAIN.
7. ADJUST RIM ELEVATION OF CATCH BASIN OR OTHER DRAINAGE STRUCTURE TO MATCH FINISH GRADE.
8. ADJUST RIM ELEVATION OF EX. UTILITY VAULTS/BOXES, CLEANOUTS, ETC., TO MATCH FINISH GRADE.
9. RETAIN & PROTECT ALL EXISTING UTILITY VAULTS, BOXES, POSTS, ETC. IN PLACE.
10. TEE BOX AND SAND TRAP SHALL BE RELOCATED. SEE SHEET TR-01 TO TR-04.
11. CONTRACTOR TO LOCATE HOLE SIGN. IF THERE IS A CONFLICT WITH THE SIGN AND PROPOSED CONSTRUCTION REMOVE AND PROTECT HOLE SIGN FOR RELOCATION.
12. REMOVE POWER LINE. SEE PP-03 FOR MODIFICATIONS AND REINSTALLATION. COORDINATE POWER SHUTOFF WITH THE CITY OF TUMWATER. POWER SHALL BE RESTORED WITHIN 24 HOURS.

(X) EROSION CONTROL NOTES:

1. HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17-01.
2. INLET PROTECTION PER WSDOT STD PLAN I-40.20.
3. COIR LOG PER WSDOT STD PLAN I-30.60.
4. TEMPORARY CONSTRUCTION FENCING PER DETAIL ON SHEET DM-10, SEE SPECIAL PROVISION 2-04.
5. TEMPORARY TREE PROTECTION FENCING PER DETAIL ON SHEET DM-10.

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-DM-08

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49970 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

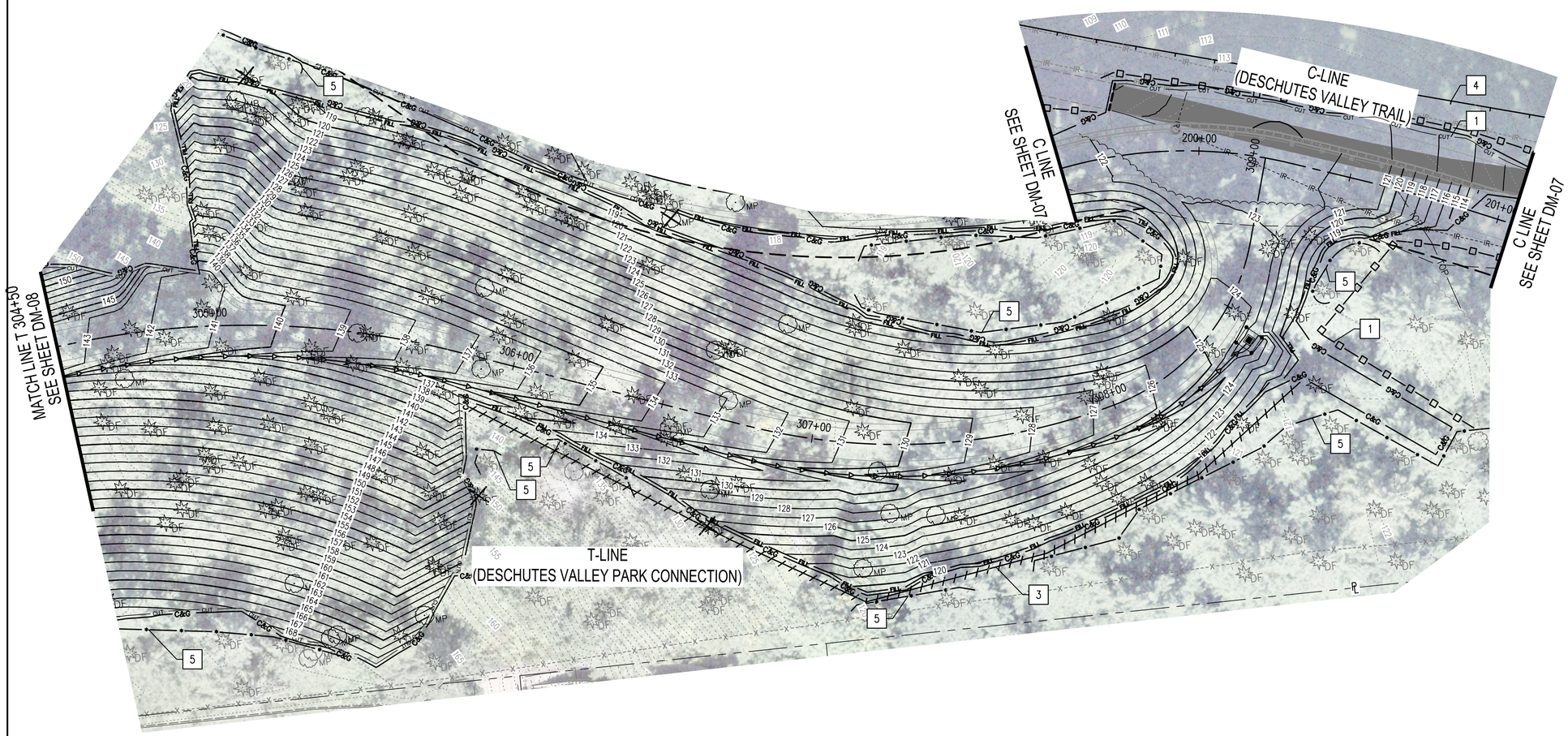
DESCHUTES VALLEY TRAIL
SEGMENT C

DEMOLITION AND TESC PLAN
T 300+00 - T 304+50

DRAWING No.: DM-08

SHEET No.: 32 OF 148

Aug 20, 2026 1:17:31pm - User: aufrenjdean
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-08.DWG



0 20 40

SCALE IN FEET

LEGEND

- INLET PROTECTION
- REMOVE TREE WITH ROOT WAD & DISPOSE OFFSITE (PAID FOR AS CLEARING AND GRUBBING)
- HIGH VISIBILITY SILT FENCE
- COIR LOG
- TREE PROTECTION FENCING
- TEMPORARY CONSTRUCTION FENCING
- CUT LINE
- FILL LINE
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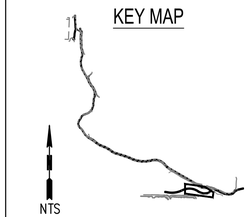
⟨X⟩ EROSION CONTROL NOTES:

1. HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17-01.
2. INLET PROTECTION PER WSDOT STD PLAN I-40.20.
3. COIR LOG PER WSDOT STD PLAN I-30.60.
4. TEMPORARY CONSTRUCTION FENCING PER DETAIL ON SHEET DM-10, SEE SPECIAL PROVISION 2-04.
5. TEMPORARY TREE PROTECTION FENCING PER DETAIL ON SHEET DM-10.

⟨X⟩ DEMOLITION NOTES:

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11. CONTRACTOR TO LOCATE HOLE SIGN. IF THERE IS A CONFLICT WITH THE SIGN AND PROPOSED CONSTRUCTION REMOVE AND PROTECT HOLE SIGN FOR RELOCATION.
12. REMOVE POWER LINE. SEE PP-03 FOR MODIFICATIONS AND REINSTALLATION. COORDINATE POWER SHUTOFF WITH THE CITY OF TUMWATER. POWER SHALL BE RESTORED WITHIN 24 HOURS.

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-DM-09

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

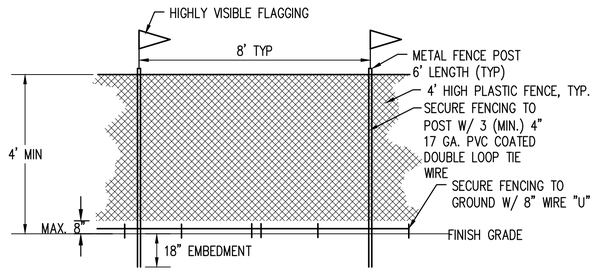
DESCHUTES VALLEY TRAIL
SEGMENT C

DEMOLITION AND TESC PLAN
T 304+50 - T 309+05

DRAWING No.: DM-09

SHEET No.: 33 OF 148

Aug 20, 2026 1:12:46pm – User: aukeynielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CAD\25-000313-C-DM-09.DWG



NOTE:
ALL TREE PROTECTION AREAS SHALL HAVE PROTECTIVE BARRIER FENCES ERECTED IN A 12' MIN. RADIUS FROM TREE TRUNK WHERE SPACE ALLOWS, OTHERWISE LOCATE AS SHOWN. THE FENCES SHALL BE HIGH-DENSITY POLYETHYLENE PLASTIC, RECTANGULAR PATTERN, AND SUPPORTED BY T-POST STEEL FENCE POSTS SPACED AT A MAXIMUM OF 8' APART. COLOR IS SAFETY ORANGE

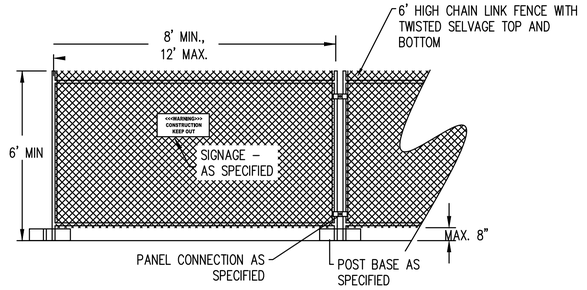
TREE PROTECTIVE FENCING
NTS

DEMOLITION GENERAL NOTES:

1. PRIOR TO DEMOLITION AND REMOVAL OF EXISTING STORM DRAINAGE, THIS EXISTING SYSTEM SHALL BE PROTECTED AND REMAIN FUNCTIONAL UNTIL PROPOSED SYSTEMS ARE CONSTRUCTED AND ACCEPTED BY THE CITY.
2. PROTECT EXISTING LANDSCAPING OUTSIDE THE CLEARING AND GRUBBING LIMITS. DAMAGE TO EXISTING LANDSCAPING SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO CONTRACTING AGENCY.
3. RELOCATE ALL EXISTING SIGNS THAT ARE IN DIRECT CONFLICT WITH CONSTRUCTION OPERATION UNTIL PERMANENT SIGNS ARE INSTALLED. COORDINATE WITH THE ENGINEER FOR TEMPORARY LOCATIONS.
4. ALL VEGETATION WITHIN LIMITS SHALL BE CLEARED AND GRUBBED TO 6" DEPTH AND DISPOSED OF OFF SITE.
5. CONCRETE PAVEMENT REMOVAL INCL. HAUL LIMITS ARE APPROXIMATE. CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE LIMITS VARY FROM THE PLANS.
6. SEE SHEETS IR-01 TO IR-07, IRRIGATION MODIFICATION PLAN(S) FOR THE ADDITIONAL DEMOLITION PLAN(S) OF THE EXISTING IRRIGATION SYSTEM.
7. TEMPORARY SECURING FENCING AND TEMPORARY TREE PROTECTION FENCING SHALL BE CONNECTED WHERE THEY MEET.

EROSION GENERAL NOTE:

EROSION CONTROL IS NOT LIMITED TO THE ITEMS ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. NO SILTATION OF EXISTING OR PROPOSED DRAINAGE FACILITIES SHALL BE ALLOWED. CARE SHALL BE TAKEN TO PREVENT MIGRATION OF SILTS TO OFFSITE PROPERTIES.



NOTES: INSTALLATION - NON-SLOPED AREAS:

1. CHAIN LINK FABRIC TO BE MIN. 11 GAUGE, GALVANIZED. NO RUSTED OR EXCESSIVELY MALFORMED FABRIC.
2. FENCE BASES SHALL BE OF SUFFICIENT WEIGHT AND/OR SPREAD TO ADEQUATELY SUPPORT EACH PANEL.
3. PANEL-TOPANEL CONNECTIONS SHALL BE MADE AT A MINIMUM OF TWO LOCATIONS PER CONNECTION UNLESS OTHERWISE APPROVED.
4. FENCE SCREENING SHALL BE DURABLE HDPE, UV RESISTANT KNITTED FABRIC WITH AN 80% MINIMUM VISIBILITY BLOCKAGE.

PROVIDE OWNER WITH SHOP DRAWINGS DESCRIBING MATERIALS & METHODS FOR SECURE, PLUMB INSTALLTIONS ON SLOPED AREAS.

PROVIDE OWNER WITH SHOP DRAWINGS DESCRIBING MATERIALS & METHODS FOR GATES/ACCESS POINTS INSTALLATIONS.

TEMPORARY CONSTRUCTION FENCING
NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-DM-10

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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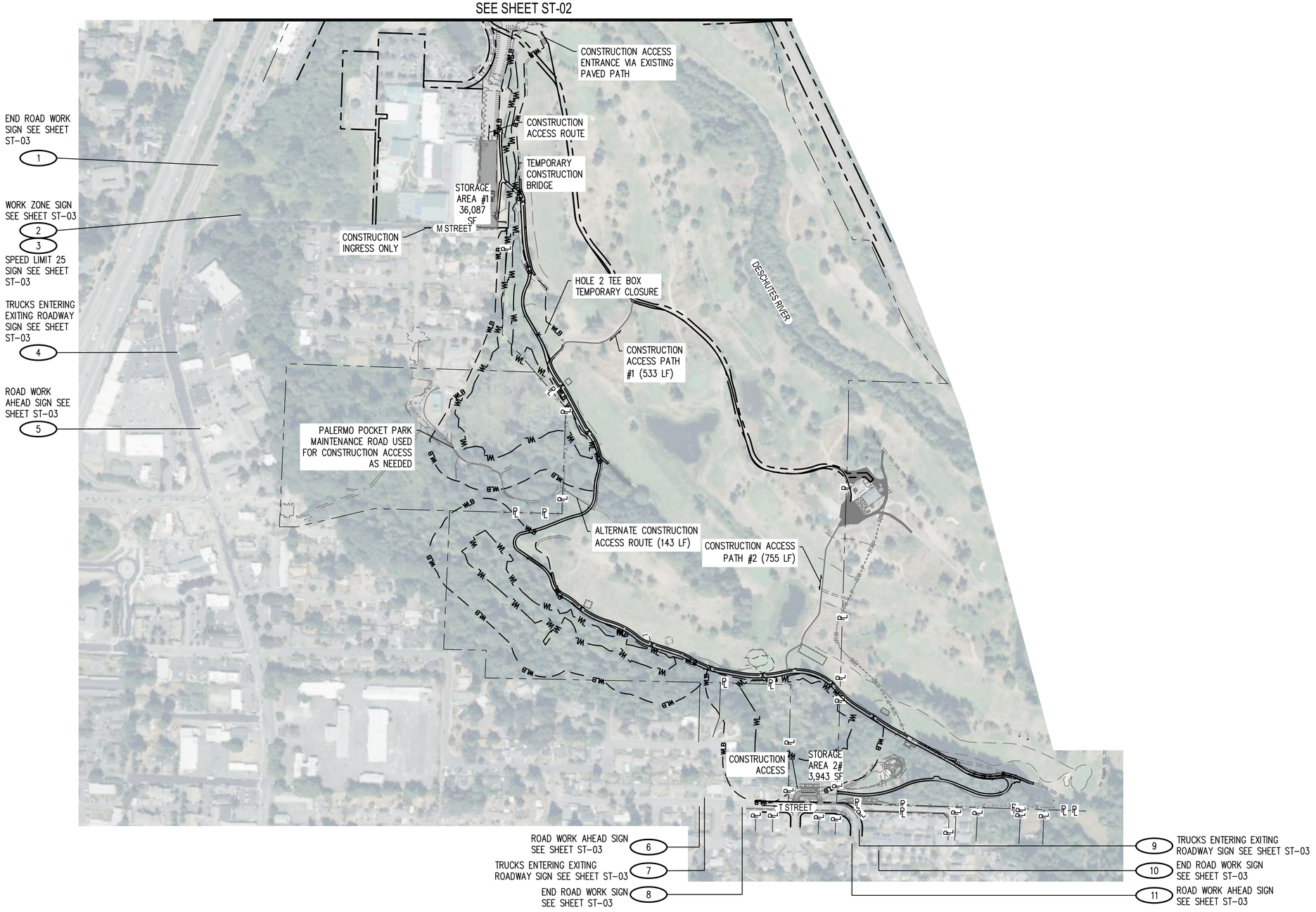
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

DEMOLITION AND TESC DETAILS

DRAWING No.: DM-10
SHEET No.: 34 OF 148

Aug 20, 2026 12:55:19pm - User: audreynielsen
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-DM-10.DWG



N

0 250 500

SCALE IN FEET

LEGEND

- STAGING AND STORAGE AREA
- TEMPORARY 12-FOOT WIDE CONSTRUCTION ACCESS PATH
- EXISTING PAVED PATHWAY
- SHORELINE
- WL — WETLAND
- WLB — WETLAND BUFFER

NOTES:

1. DAMAGES CAUSED BY CONSTRUCTION TO EXISTING FACILITIES SHALL BE REPAIRED IN KIND.
2. MOBILIZATION IN AND OUT THROUGH THE GOLF COURSE SHALL BE COORDINATED AND SCHEDULED WITH TUMWATER VALLEY GOLF COURSE AHEAD OF TIME.
3. CONSTRUCTION SIGNS CLASS A SHALL BE INSTALLED PER WSDOT STD. PLAN G-22.10.
4. CONTRACTOR SHALL PROTECT EXISTING IRRIGATION SYSTEM. AS-BUILT DRAWINGS SHALL BE REFERENCED TO PREVENT DAMAGE OR IMPACTS TO THE IRRIGATION SYSTEM, SEE APPENDIX xx.

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: R. PIERCE
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-ST-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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PROJECT NAME:

CITY OF TUMWATER

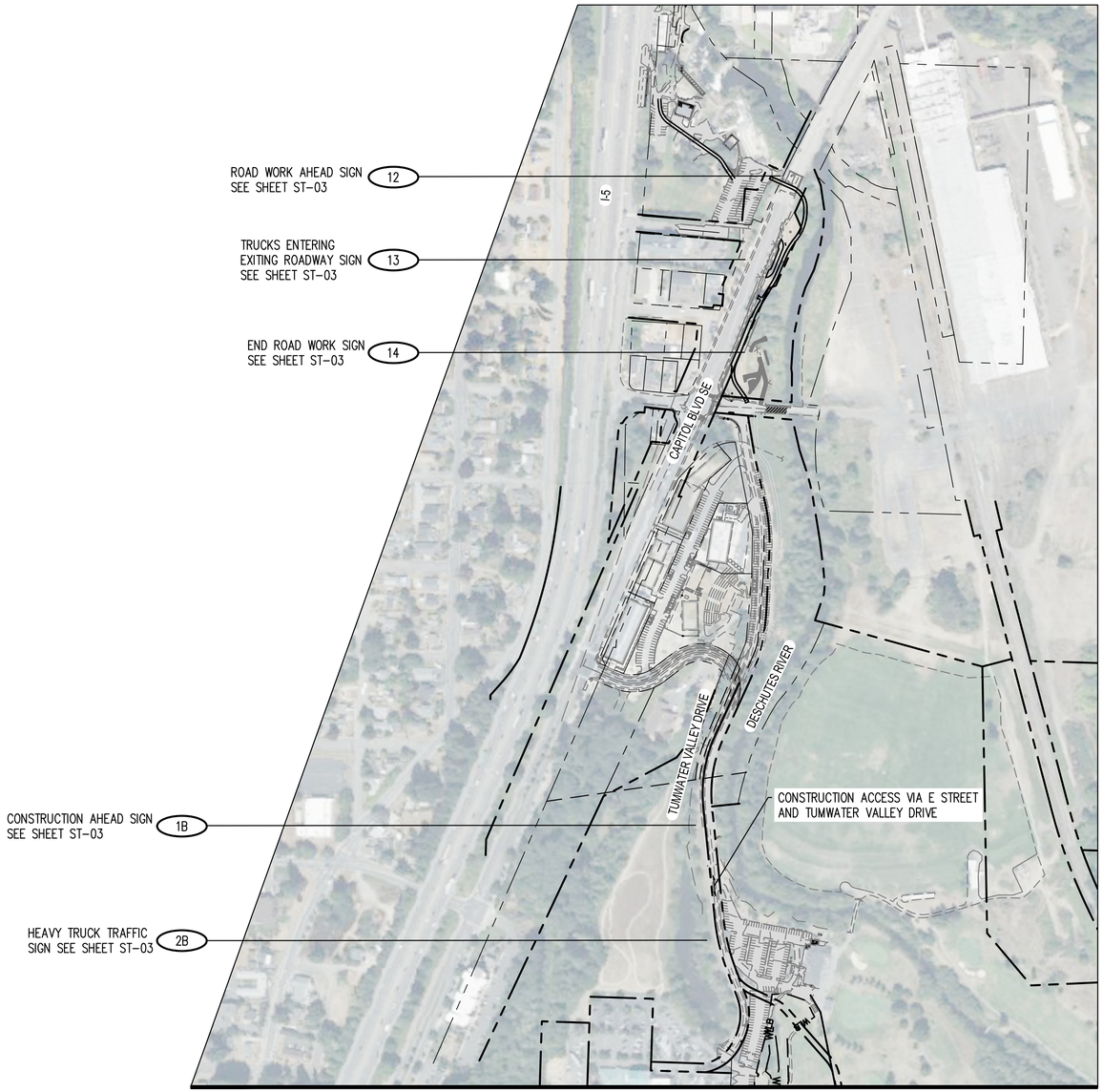
DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION STAGING AND ACCESS PLAN
SEGMENT C

DRAWING No.: ST-01

SHEET No.: 35 OF 148

Aug 20, 2026 3:21:31pm - User: nikkimartinez
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-ST-01.DWG



SEE SHEET ST-01
MATCH LINE

N

0 250 500
SCALE IN FEET

LEGEND

- STAGING AND STORAGE AREA
- TEMPORARY 12-FOOT WIDE CONSTRUCTION ACCESS PATH
- EXISTING PAVED PATHWAY
- SHORELINE
- WL — WETLAND
- WLB — WETLAND BUFFER

NOTES:

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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-ST-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION STAGING AND ACCESS PLAN
SEGMENT C

DRAWING No.: ST-02
SHEET No.: 36 OF 148

Aug 20, 2026 3:21:31pm - User: nikkimartinez
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-ST-01.DWG

CLASS A SIGNAGE							
SIGN #	SIGN CODE #	SIGN DESCRIPTION	SIGN SIZE X (INCH) - Y (INCH)	POST MATERIAL	POST SIZE	POST LENGTH	REMARKS
1	G20-2	END ROAD WORK	36 18	TIMBER	4"x4"	7.0'	
2	G20-5aP	WORK ZONE (PLAQUE)	24 18	TIMBER	4"x4"	7.0'	
3	R2-1	SPEED LIMIT 25	24 30	TIMBER	4"x4"	7.0'	
4	N/A	TRUCKS ENTERING EXITING ROADWAY	36 36	TIMBER	4"x4"	7.0'	
5	W20-1	ROAD WORK AHEAD	36 36	TIMBER	4"x4"	7.0'	
6	W20-1	ROAD WORK AHEAD	36 36	TIMBER	4"x4"	7.0'	
7	N/A	TRUCKS ENTERING EXITING ROADWAY	36 36	TIMBER	4"x4"	7.0'	
8	G20-2	END ROAD WORK	36 18	TIMBER	4"x4"	7.0'	
9	N/A	TRUCKS ENTERING EXITING ROADWAY	36 36	TIMBER	4"x4"	7.0'	
10	G20-2	END ROAD WORK	36 18	TIMBER	4"x4"	7.0'	
11	W20-1	ROAD WORK AHEAD	36 36	TIMBER	4"x4"	7.0'	
12	W20-1	ROAD WORK AHEAD	36 36	TIMBER	4"x4"	7.0'	
13	N/A	TRUCKS ENTERING EXITING ROADWAY	36 36	TIMBER	4"x4"	7.0'	
14	G20-2	END ROAD WORK	36 18	TIMBER	4"x4"	7.0'	

CLASS B SIGNAGE			
SIGN #	SIGN CODE #	SIGN DESCRIPTION	SIGN SIZE X (INCH) - Y (INCH)
1B	N/A	CONSTRUCTION AHEAD	36 36
2B	N/A	HEAVY TRUCK TRAFFIC	36 36

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-ST-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

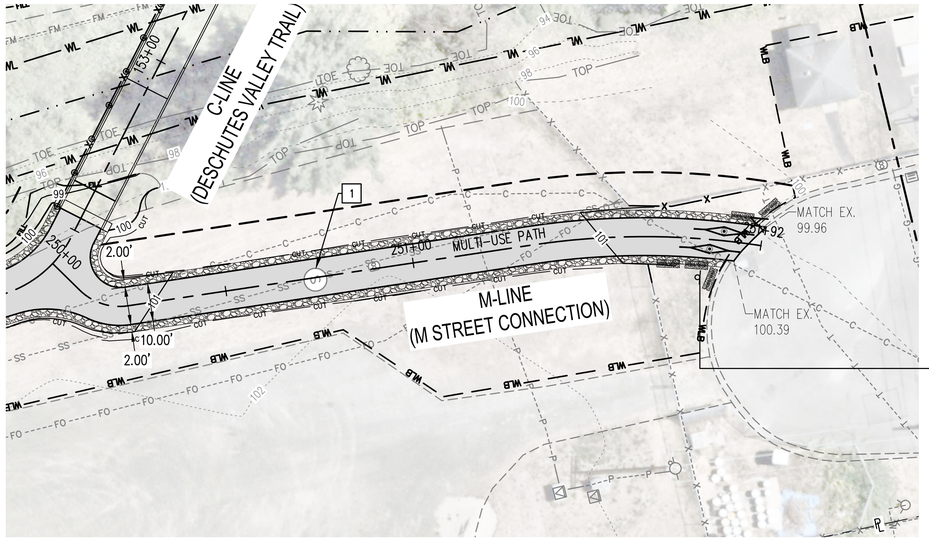
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CONSTRUCTION STAGING AND ACCESS PLAN
SEGMENT C

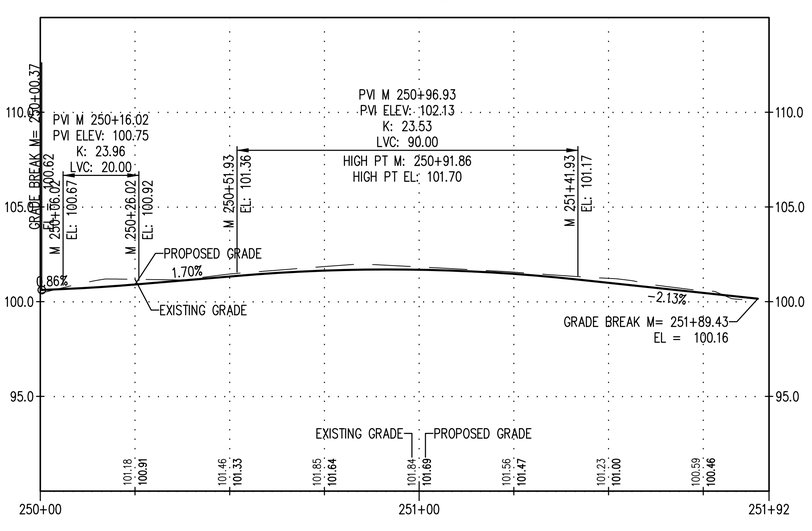
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SHEET No.: 37 OF 148

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M PROFILE



CONSTRUCTION NOTES:

X

1. ADJUST SEWER MANHOLE AND CLEANOUT TO GRADE.

H 0 20 40

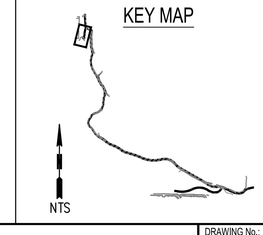
V 0 4 8

SCALE IN FEET

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
P	SIGN NOTE	SEE SHEET SN-01
P P	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-PP-00

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P: 360.352.1465
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PROJECT NAME:

CITY OF TUMWATER

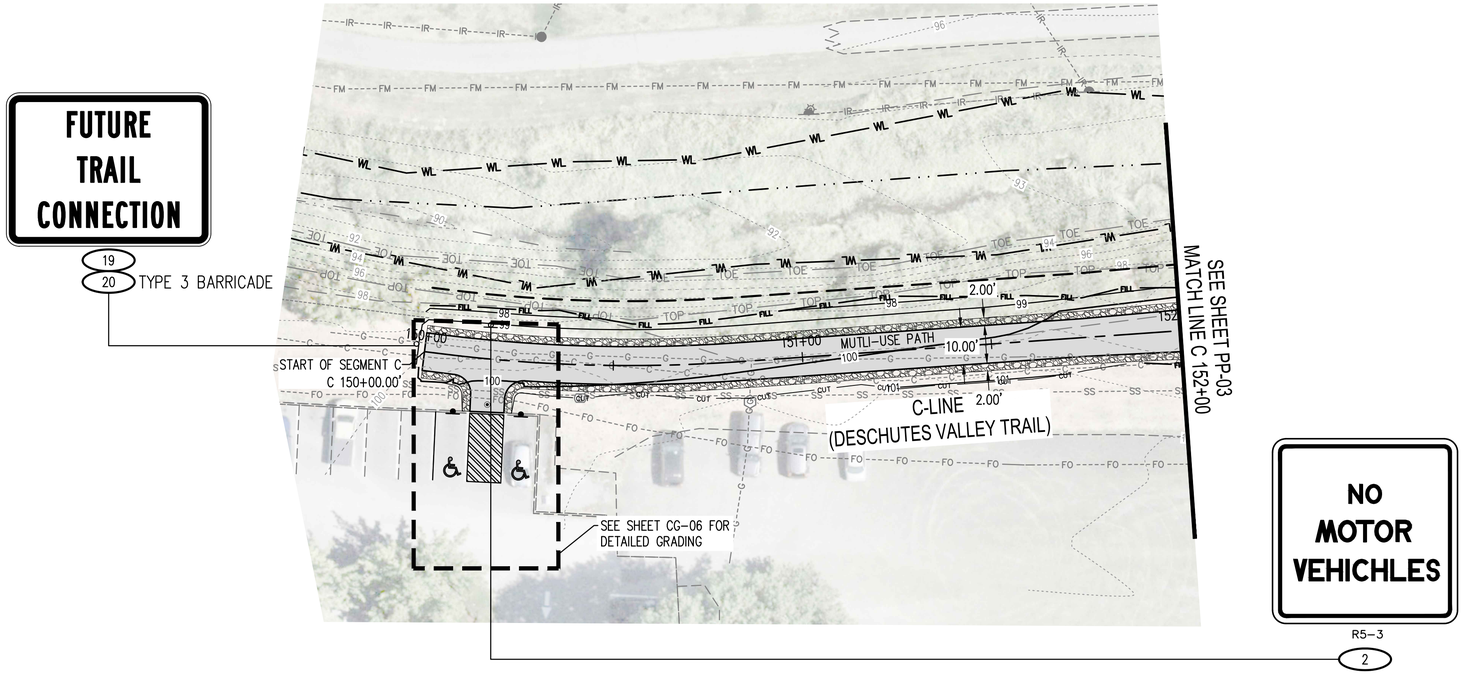
DESCHUTES VALLEY TRAIL
SEGMENT C

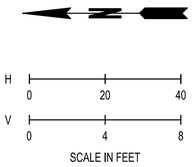
PLAN AND PROFILE
M 250+00 - M 251+92

DRAWING No.: PP-01

SHEET No.: 38 OF 148

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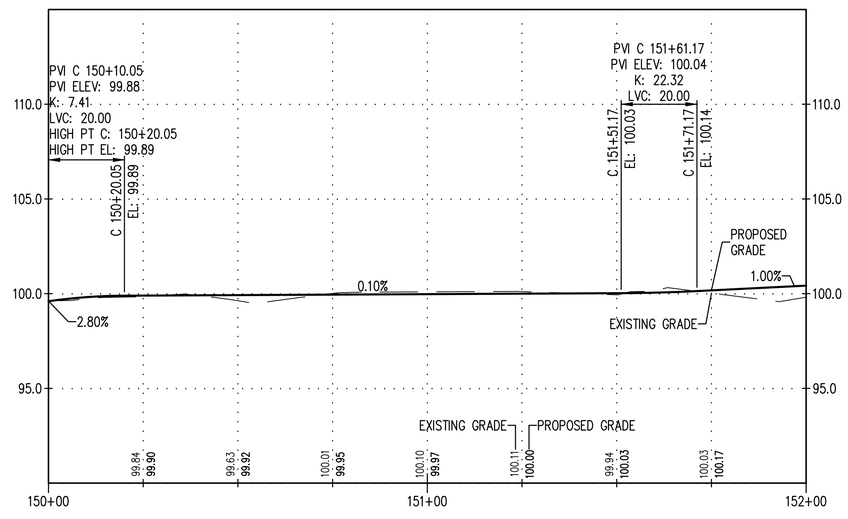


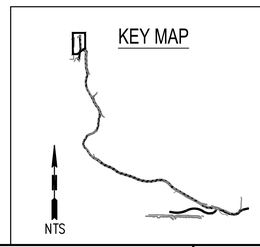


LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
X X	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

C PROFILE





△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-PP-000

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PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

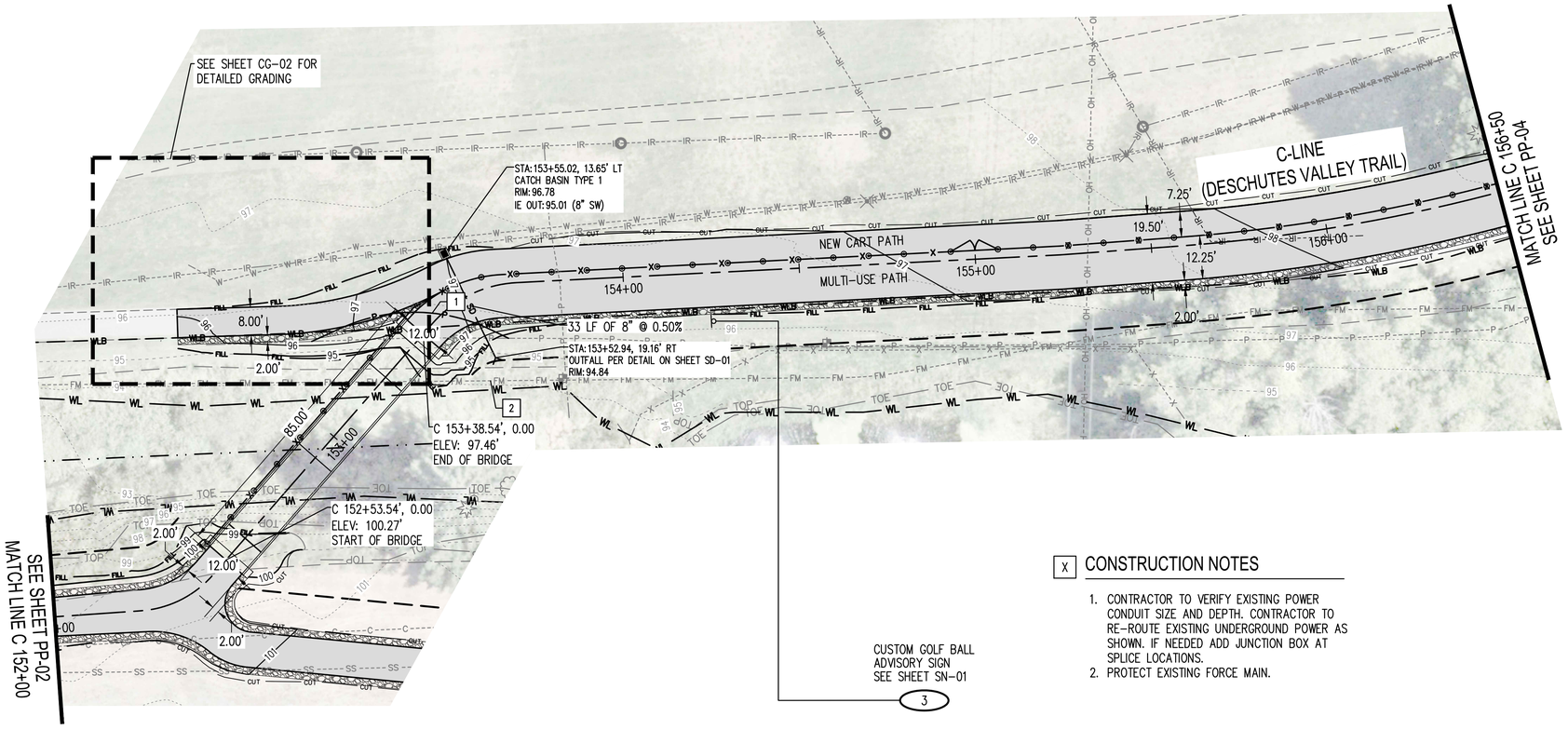
DESCHUTES VALLEY TRAIL
SEGMENT C

PLAN AND PROFILE
C 150+00 - C 152+00

DRAWING No.: PP-02

SHEET No.: 39 OF 148

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N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-PP-000.DWG



X CONSTRUCTION NOTES

1. CONTRACTOR TO VERIFY EXISTING POWER CONDUIT SIZE AND DEPTH. CONTRACTOR TO RE-ROUTE EXISTING UNDERGROUND POWER AS SHOWN. IF NEEDED ADD JUNCTION BOX AT SPLICE LOCATIONS.
2. PROTECT EXISTING FORCE MAIN.

H 0 20 40

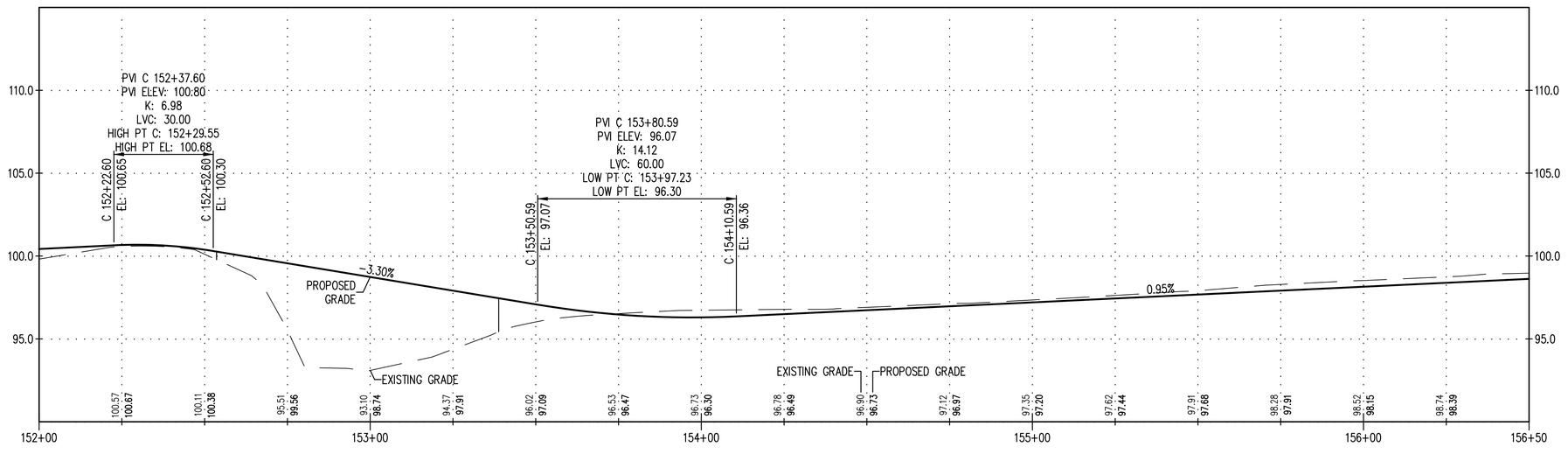
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SCALE IN FEET

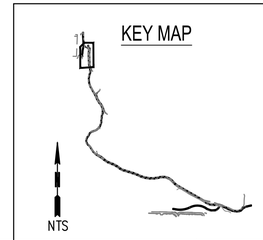
LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
X X	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
X X	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

C PROFILE



KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. WOLFF	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-PP-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

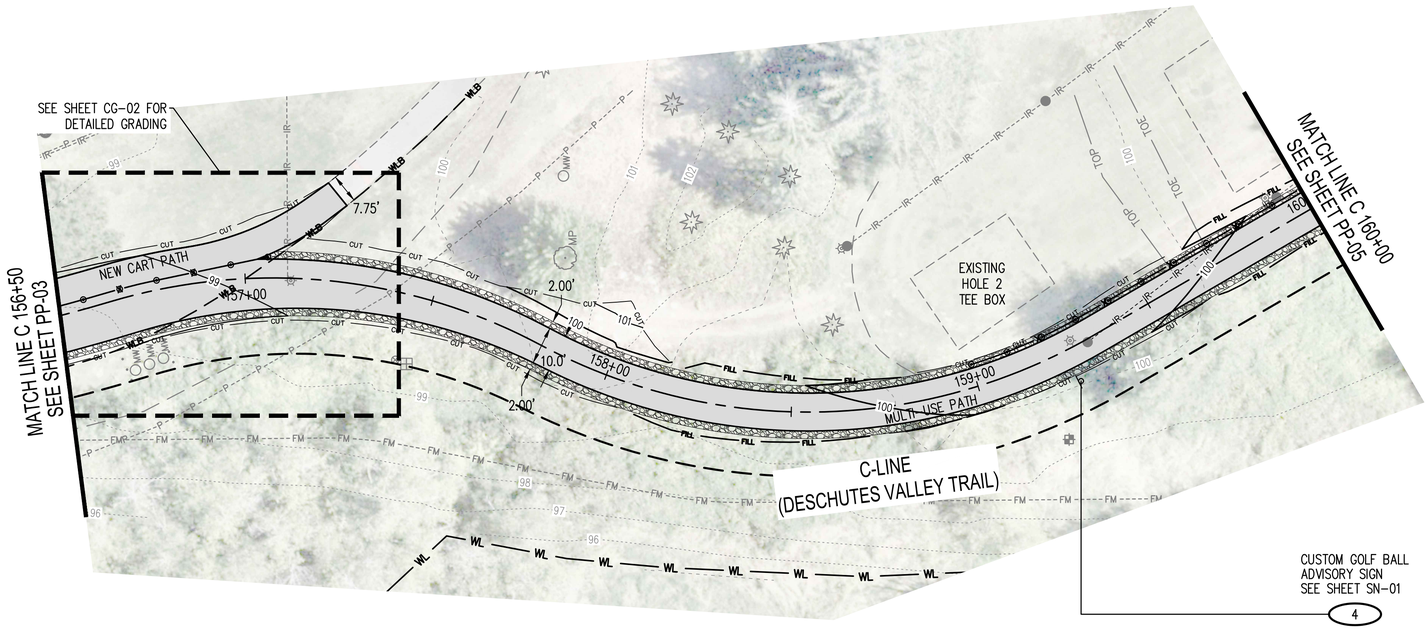
DESCHUTES VALLEY TRAIL
SEGMENT C

PLAN AND PROFILE
C 152+00 - C 156+50

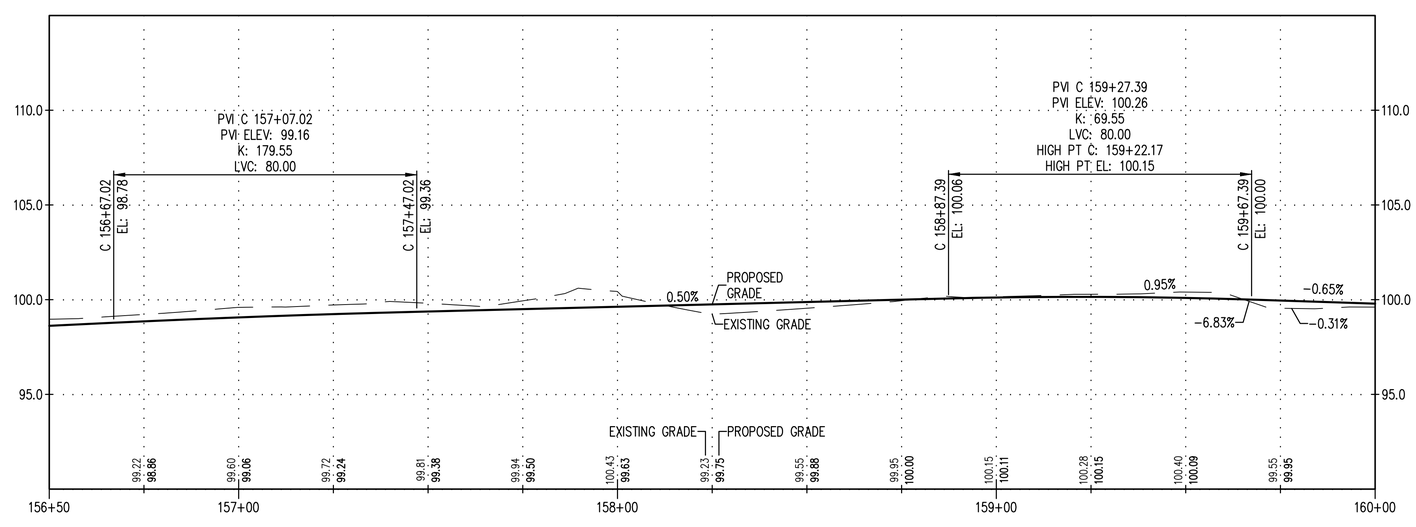
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SHEET No.: 40 OF 148

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C PROFILE

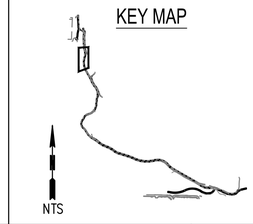


H 0 20 40
V 0 4 8
SCALE IN FEET

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
X X	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
P	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-02

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PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

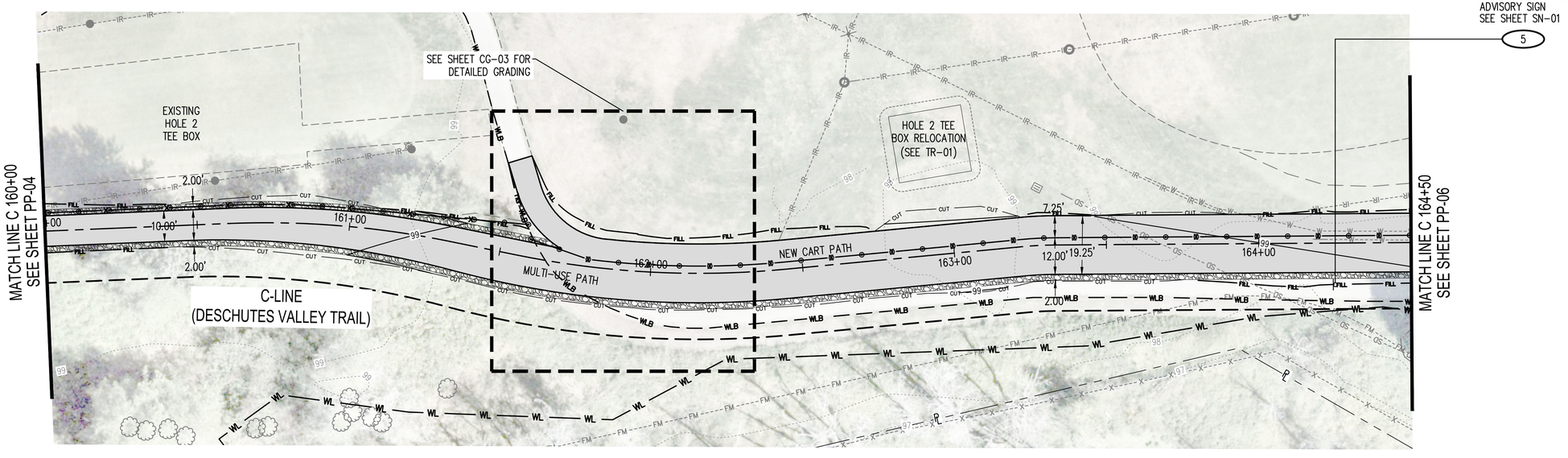
CITY OF TUMWATER

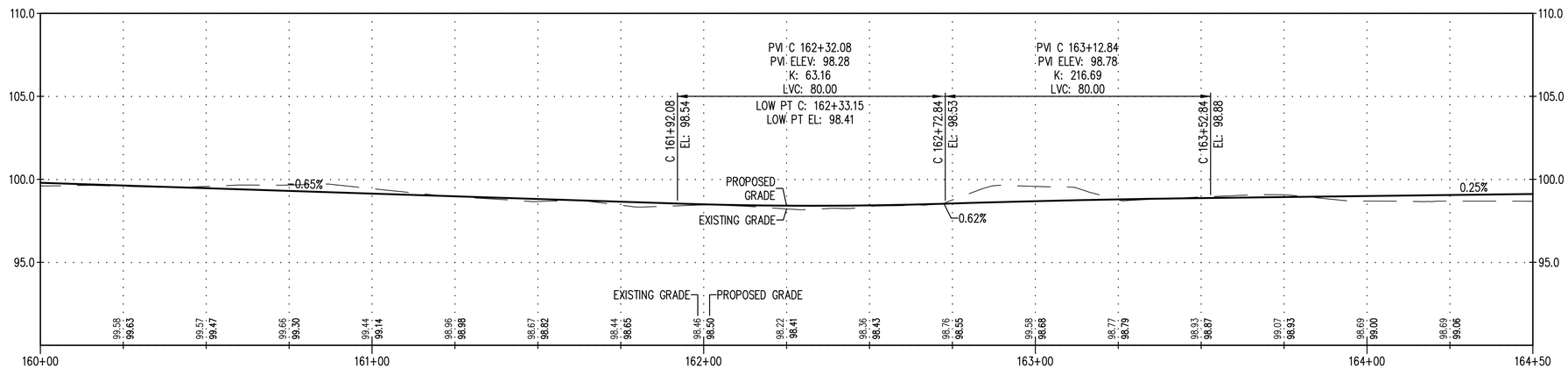
DESCHUTES VALLEY TRAIL
SEGMENT C

PLAN AND PROFILE
C 156+50 - C 160+00

DRAWING No.: PP-04
SHEET No.: 41 OF 148

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H
0 20 40

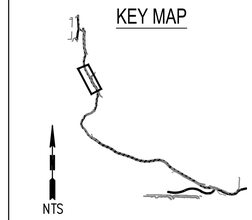
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SCALE IN FEET

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-03

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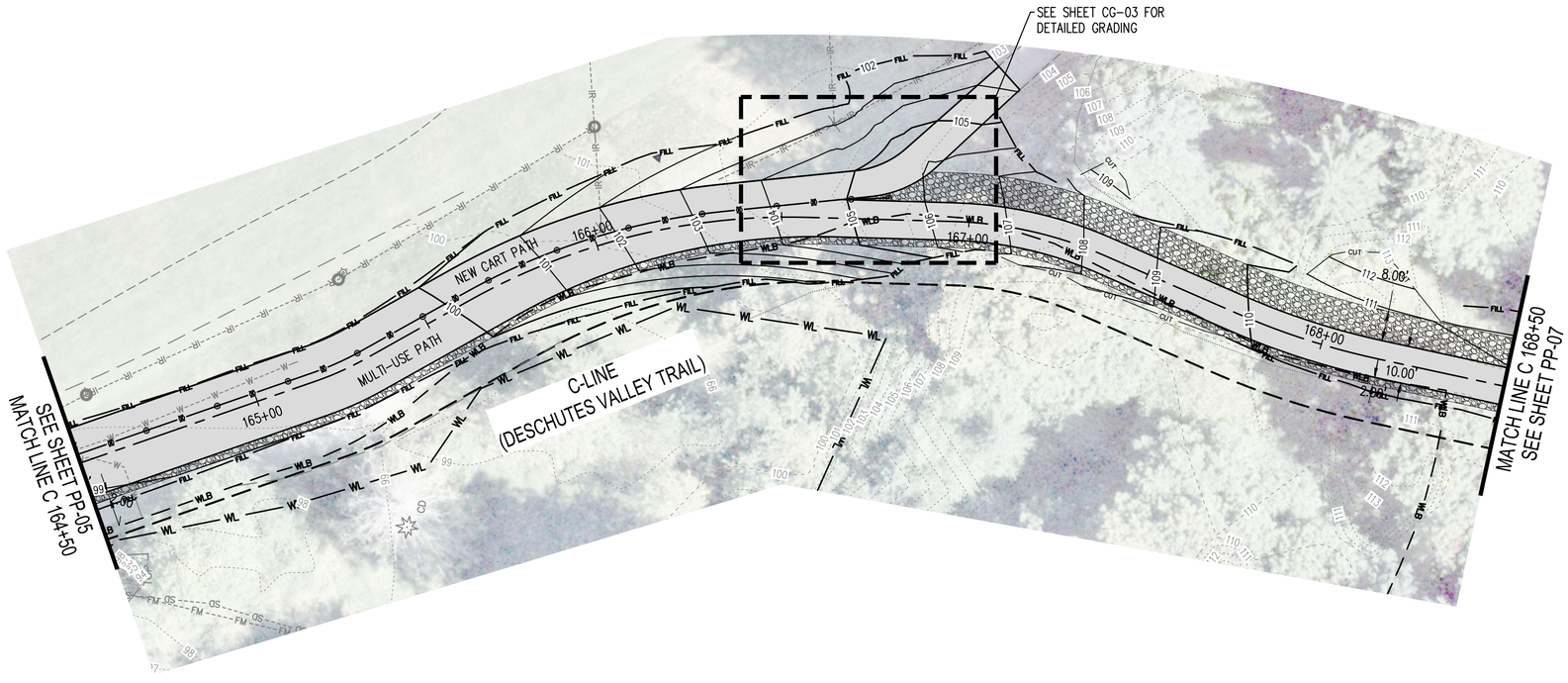
PROJECT NAME:
CITY OF TUMWATER

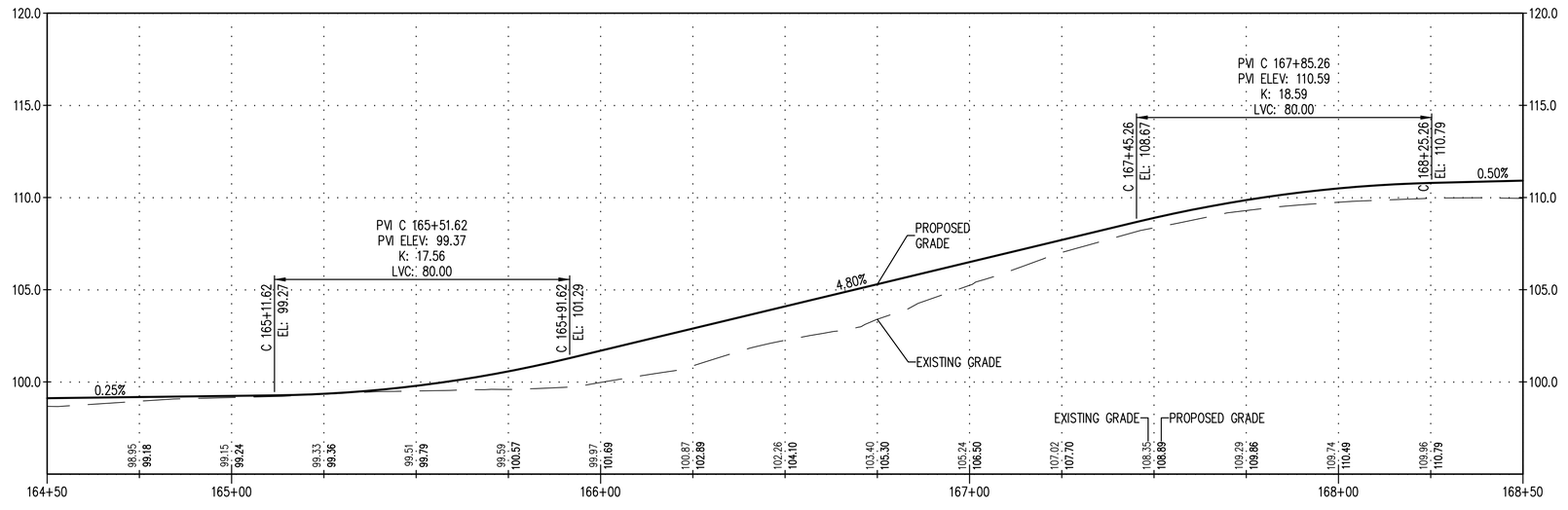
DESCHUTES VALLEY TRAIL
SEGMENT C

PLAN AND PROFILE
C 160+00 - C 164+50

DRAWING No.: PP-05
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H 0 20 40

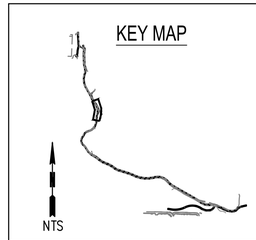
V 0 4 8

SCALE IN FEET

LEGEND

HMA TRAIL	SEE SHEET XS-01-XS-03
GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
EDGE OF PAVEMENT	
EDGE OF GRAVEL	
CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
EX. MAJOR CONTOUR	
EX. MINOR CONTOUR	
MAJOR CONTOUR	
MINOR CONTOUR	
APPROX. FILL LINE	
APPROX. CUT LINE	
CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
POWER LINE	
ROCK CHECK DAM	SEE SHEET SD-01
DITCH	
REDI ROCK RETAINING WALL	
TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
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ADA PARKING STRIPING	SEE SHEET TG-01
BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
EDGE OF FULL DISPERSION	
ECOLOGY BLOCK	
CONCRETE PAD	SEE SHEET TG-01
ROCK EMBANKMENT	SEE SHEET TG-02
SIGN NOTE	SEE SHEET SN-01
TYPE 3 BARRICADE	SEE SHEET SN-01
X SIGN NOTE	
REL-X SIGN RELOCATION NOTE	

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-04

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

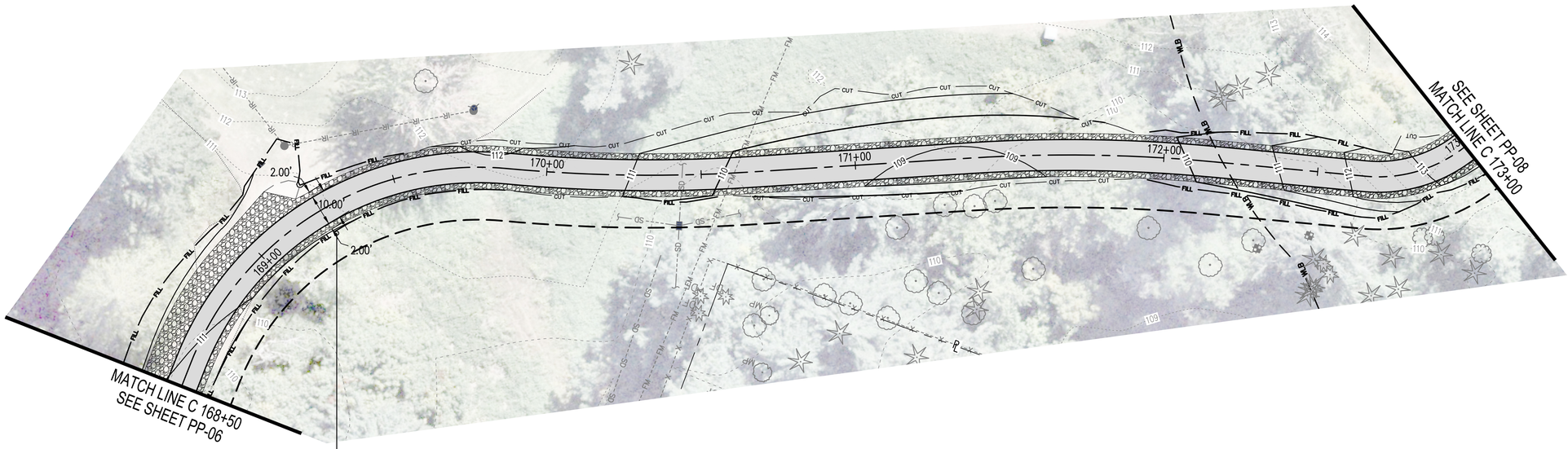
DESCHUTES VALLEY TRAIL
SEGMENT C

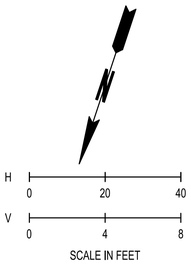
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C 164+50 - C 168+50

DRAWING No.: PP-06

SHEET No.: 43 OF 148

Aug 20, 2026 1:16:57pm - User: audreyvielsen
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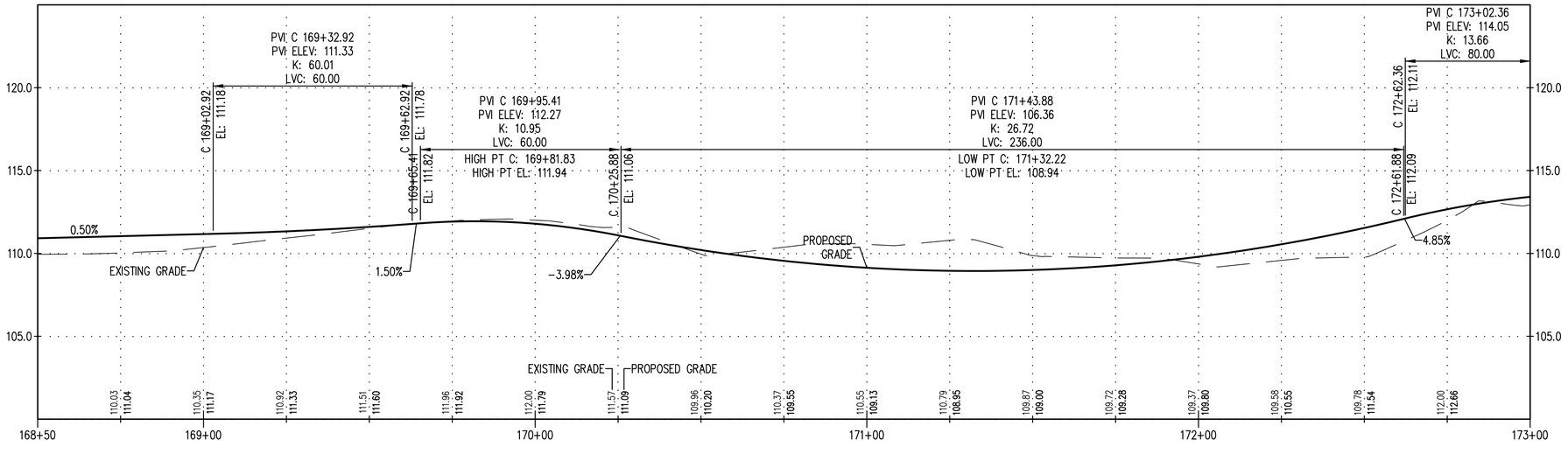




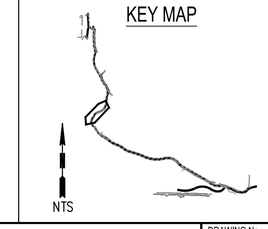
LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
P	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

C PROFILE



KEY MAP



	REVISIONS	DATE	BY
△			

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. WOLFF	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-PP-05

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

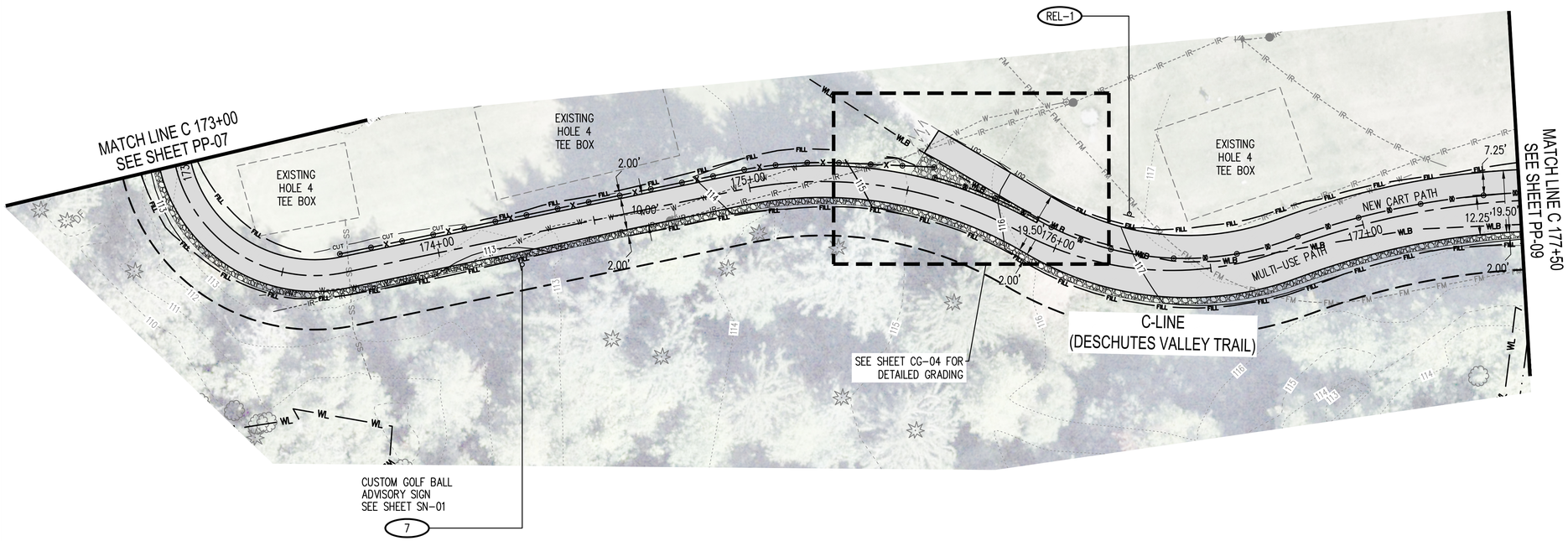
DESCHUTES VALLEY TRAIL
SEGMENT C

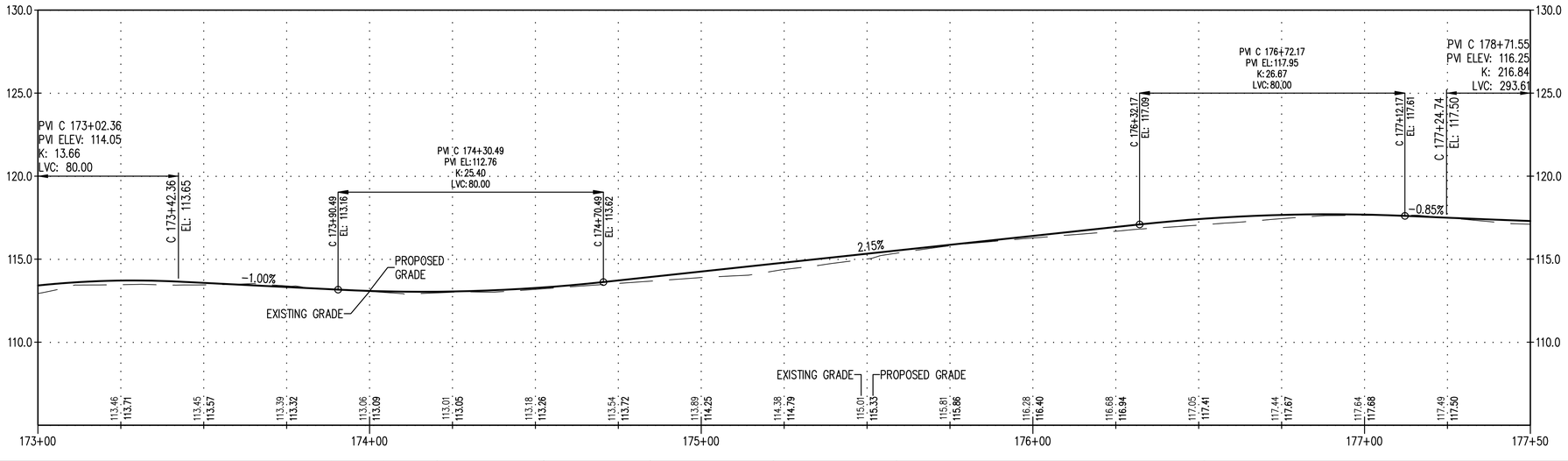
PLAN AND PROFILE
C 168+50 - C 173+00

DRAWING No.: PP-07

SHEET No.: 44 OF 148

Aug 20, 2026 1:10:14pm - User audreyclelen
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H 0 20 40

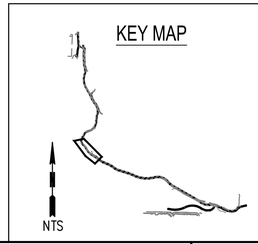
V 0 4 8

SCALE IN FEET

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-06

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

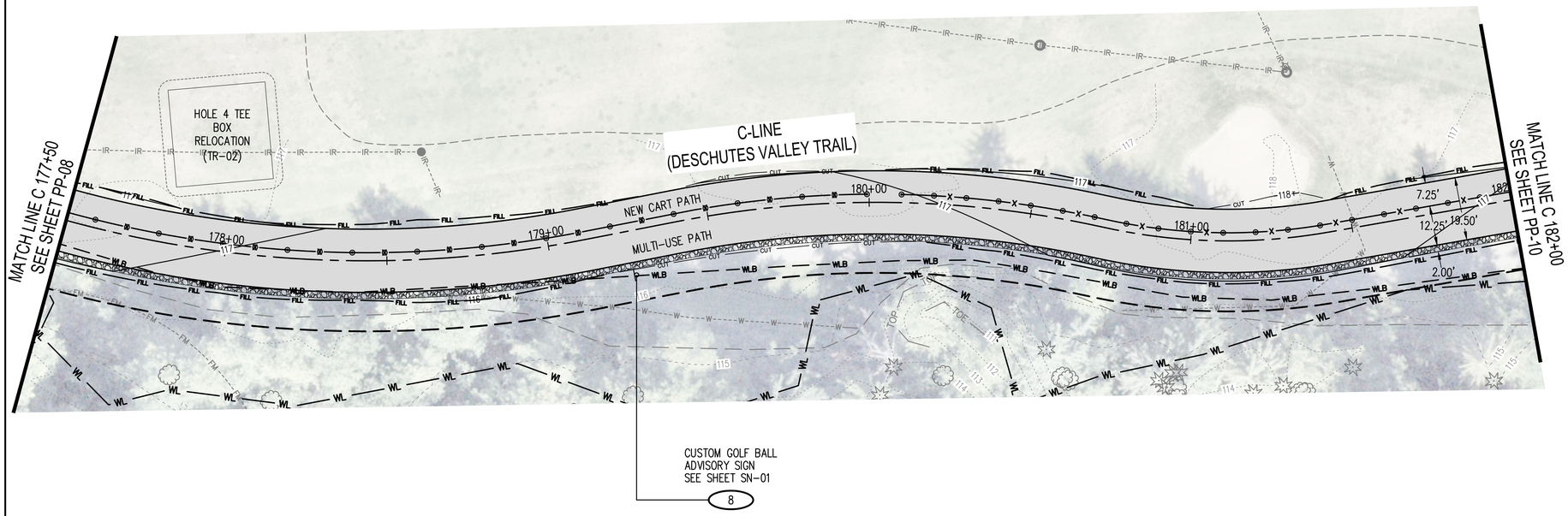
DESCHUTES VALLEY TRAIL
SEGMENT C

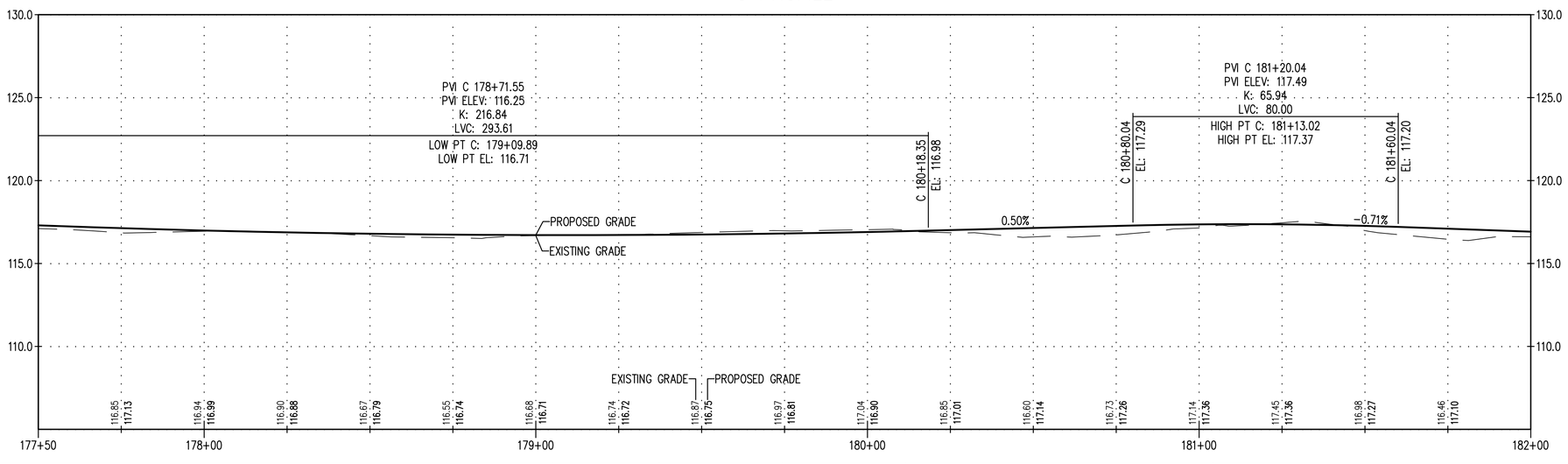
PLAN AND PROFILE
C 173+00 - C 177+50

DRAWING No.: PP-08

SHEET No.: 45 OF 148

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LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
P	SIGN NOTE	SEE SHEET SN-01
P P	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

H: 0 20 40
V: 0 4 8
SCALE IN FEET

KEY MAP

NTS

REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-07

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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SCJALLIANCE.COM

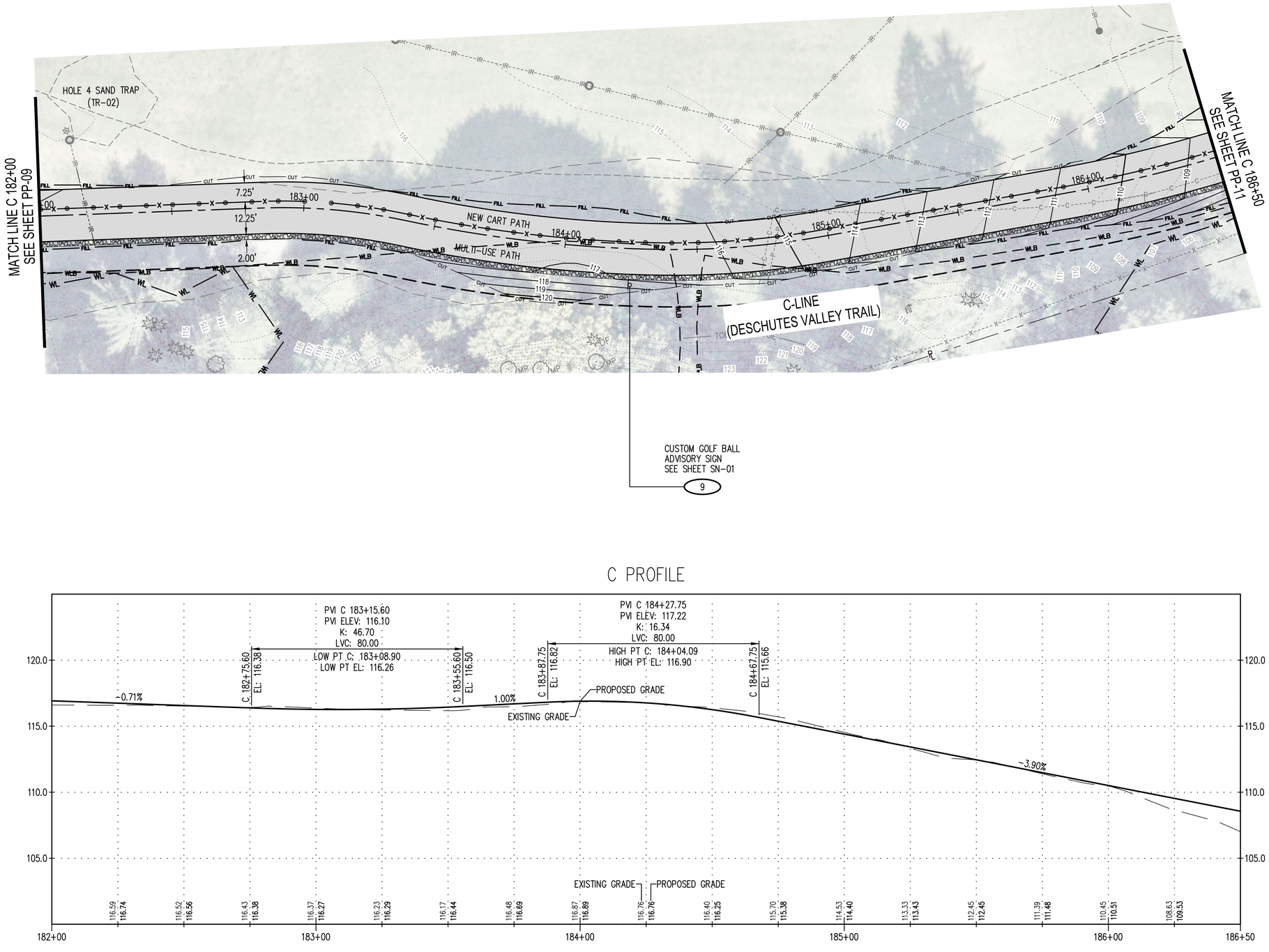
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL SEGMENT C

PLAN AND PROFILE C 177+50 - C 182+00

DRAWING No.: PP-09
SHEET No.: 46 OF 148

Aug 20, 2026 1:02:17pm - User: aufreyrichelson
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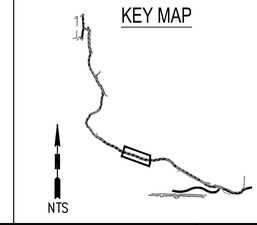
C PROFILE

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

H 0 20 40
V 0 4 8
SCALE IN FEET

KEY MAP



REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: S. GUSTAFSON
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-08

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SCJALLIANCE.COM

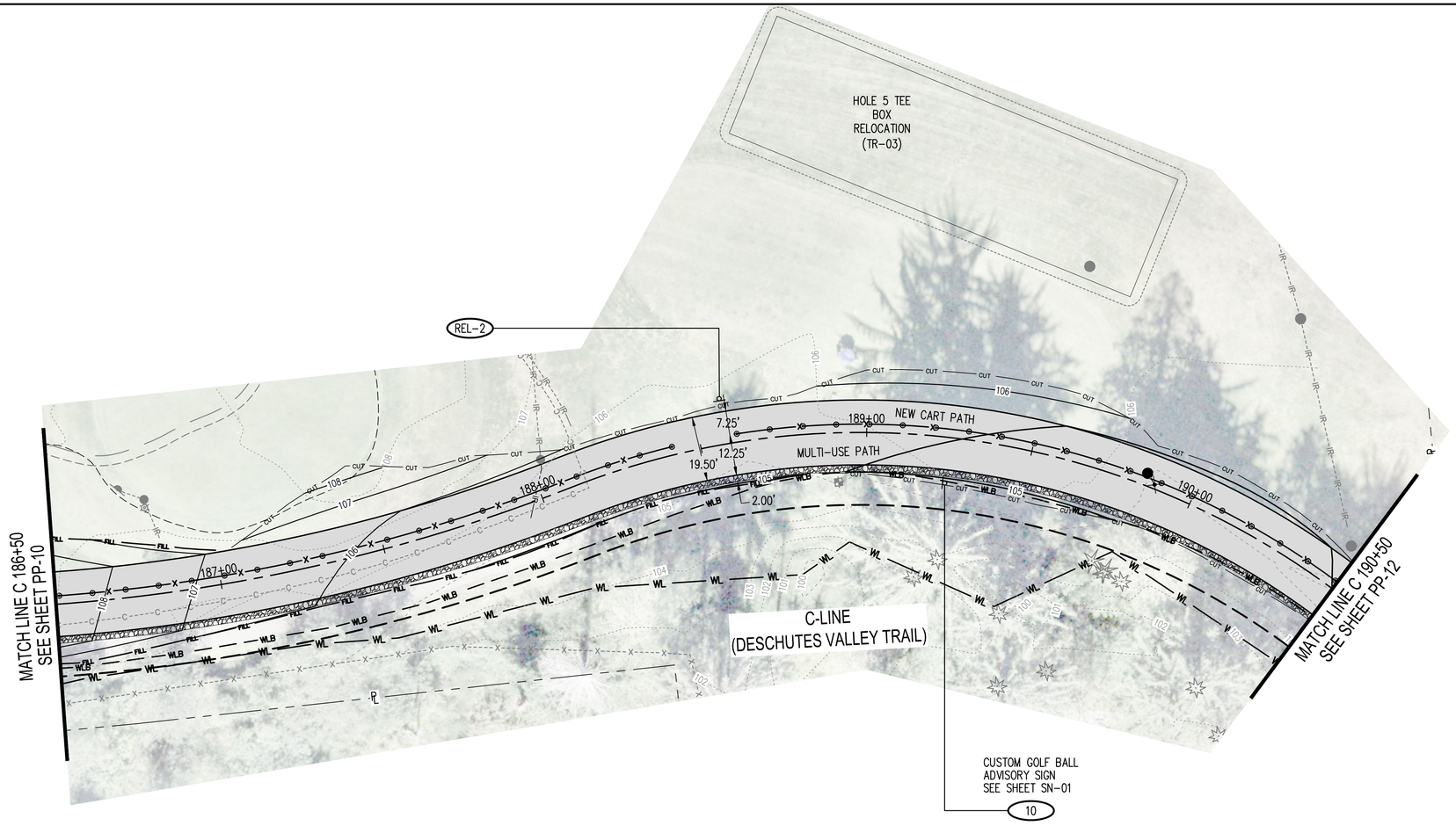
PROJECT NAME:
CITY OF TUMWATER

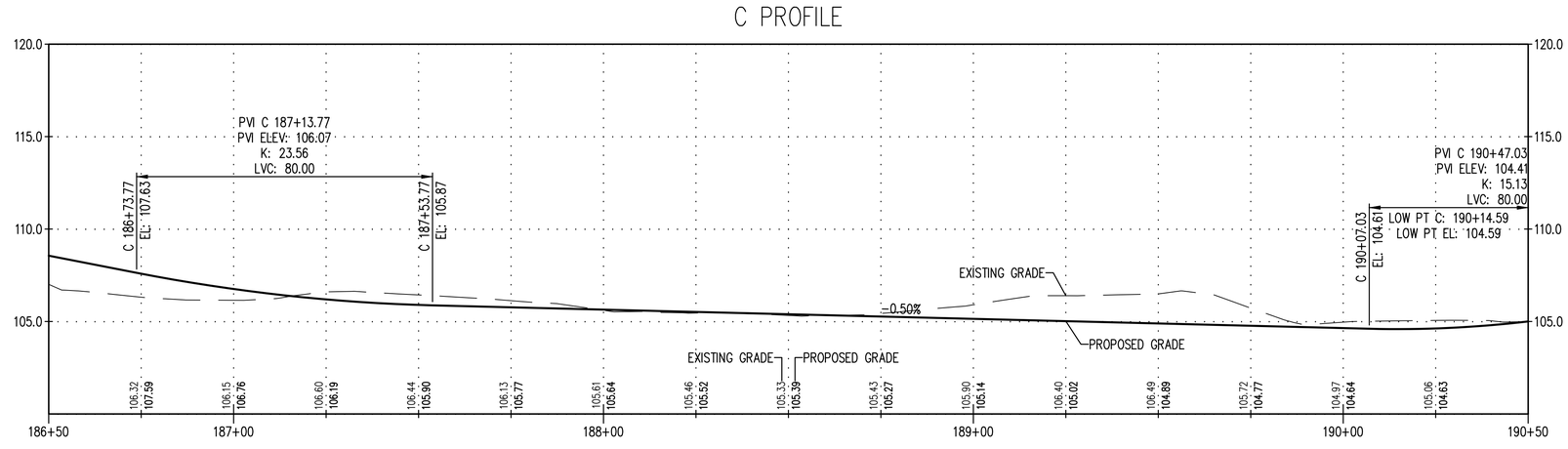
DESCHUTES VALLEY TRAIL
SEGMENT C

PLAN AND PROFILE
C 182+00 - C 186+50

DRAWING No.: PP-10
SHEET No.: 47 OF 148

Aug 20, 2026 1:13:59pm - User: aufreynielsen
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-PP-08.DWG





H 0 20 40

V 0 4 8

SCALE IN FEET

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
X X	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
X X	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
P	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-09

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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PRELIMINARY

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

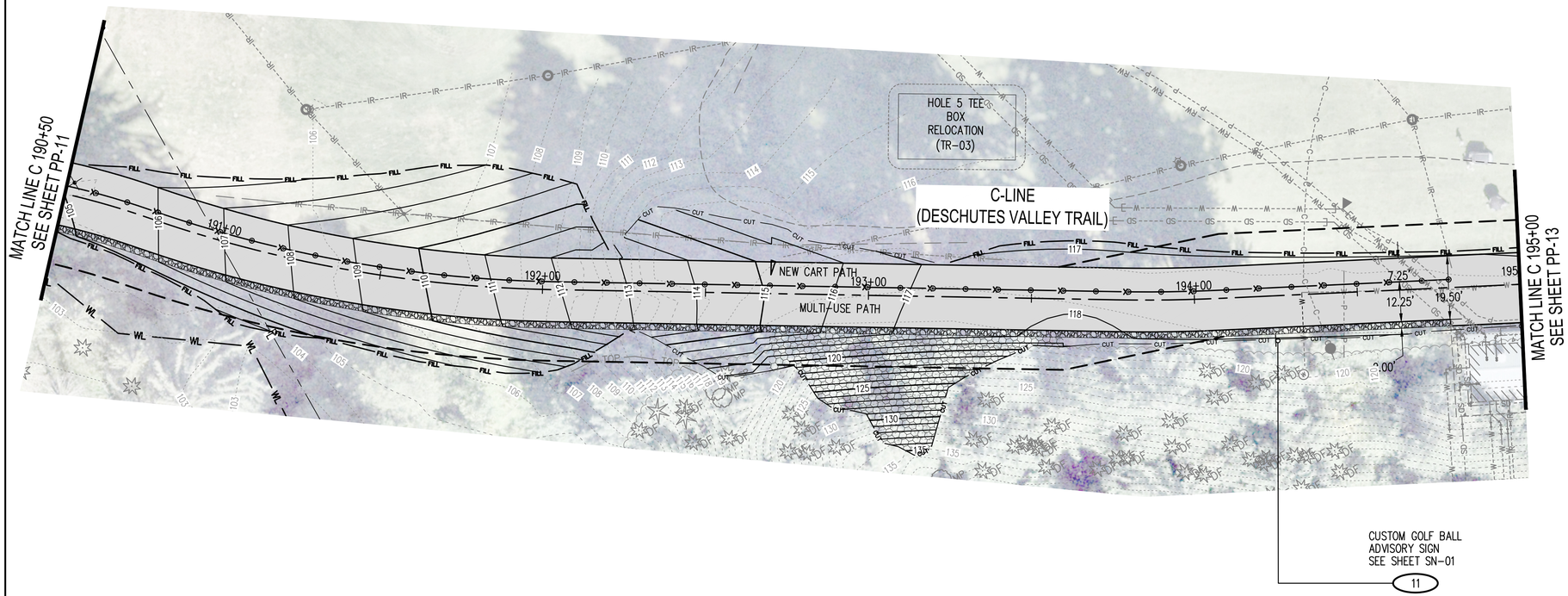
DESCHUTES VALLEY TRAIL
SEGMENT C

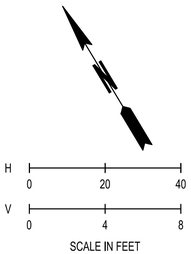
PLAN AND PROFILE
C 186+50 - C 190+50

DRAWING No.: PP-11

SHEET No.: 48 OF 148

Aug 20, 2026 1:10:27pm - User: audreyvielsen
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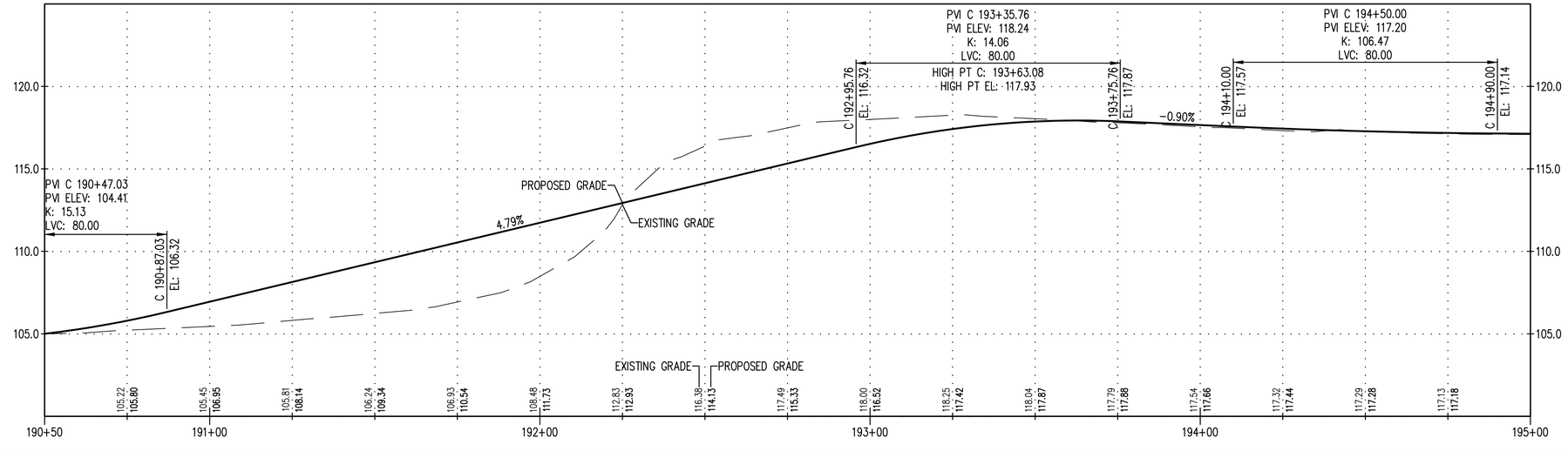


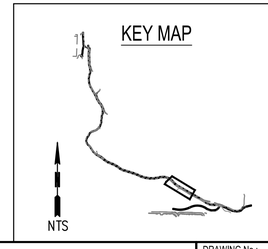


LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
P	SIGN NOTE	SEE SHEET SN-01
P P	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

C PROFILE





REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: A.NIELSEN	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-PP-10

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

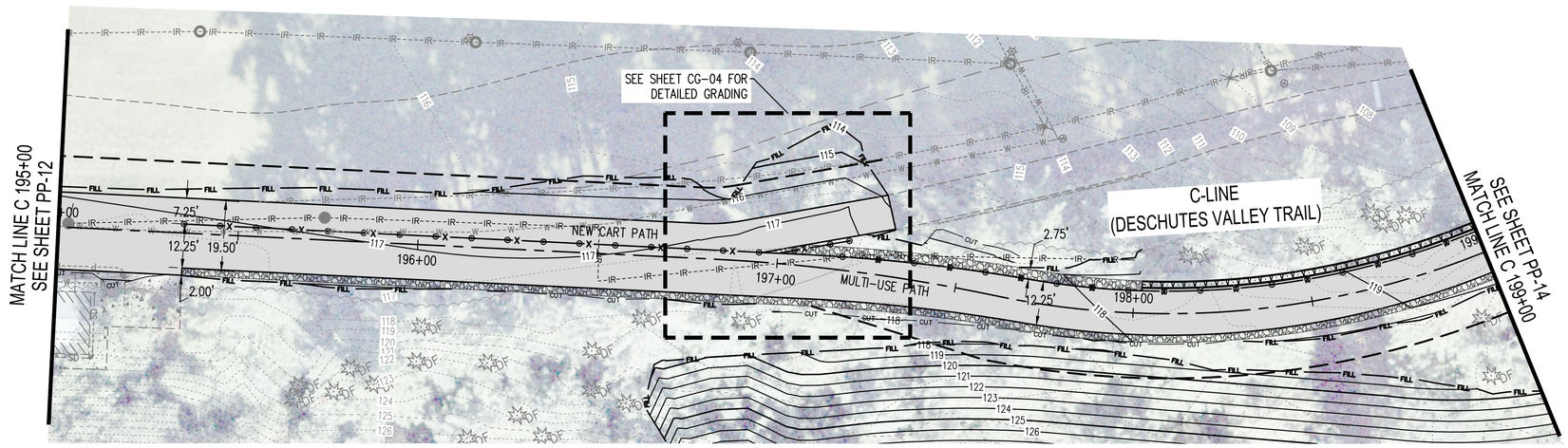
DESCHUTES VALLEY TRAIL
SEGMENT C

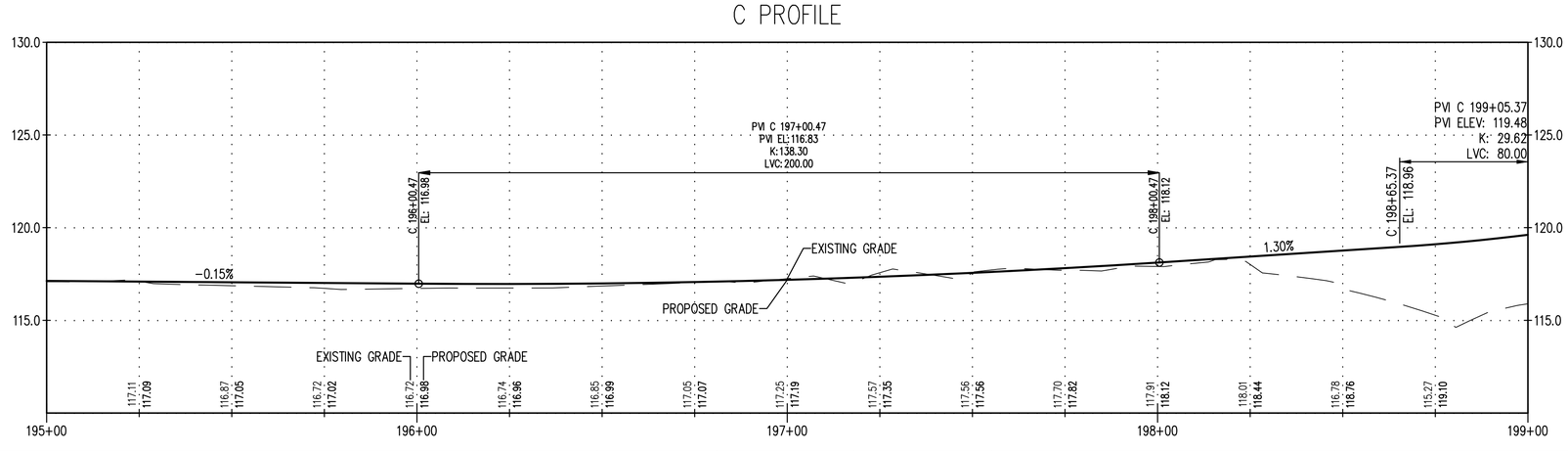
PLAN AND PROFILE
C 190+50 - C 195+00

DRAWING No.: PP-12

SHEET No.: 49 OF 148

Aug 20, 2026 1:12:48pm - User: aufreynielsen
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H 0 20 40

V 0 4 8

SCALE IN FEET

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
x x	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
x x	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
P	SIGN NOTE	SEE SHEET SN-01
P P	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. WOLFF	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-PP-11

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

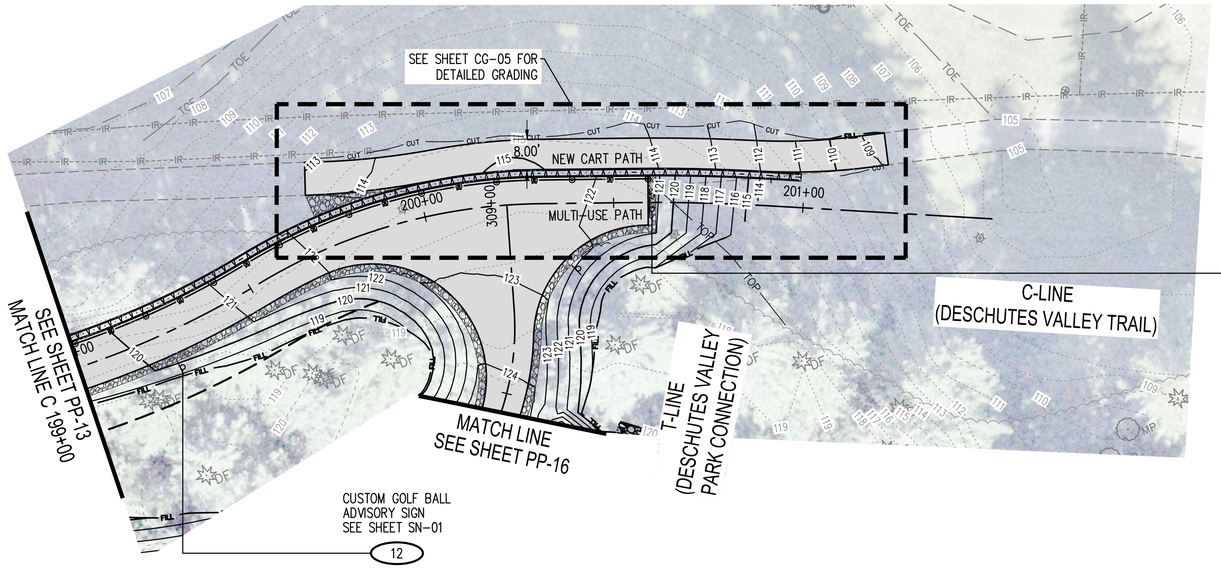
DESCHUTES VALLEY TRAIL
SEGMENT C

PLAN AND PROFILE
C 195+00 - C 199+00

DRAWING No.: PP-13

SHEET No.: 50 OF 148

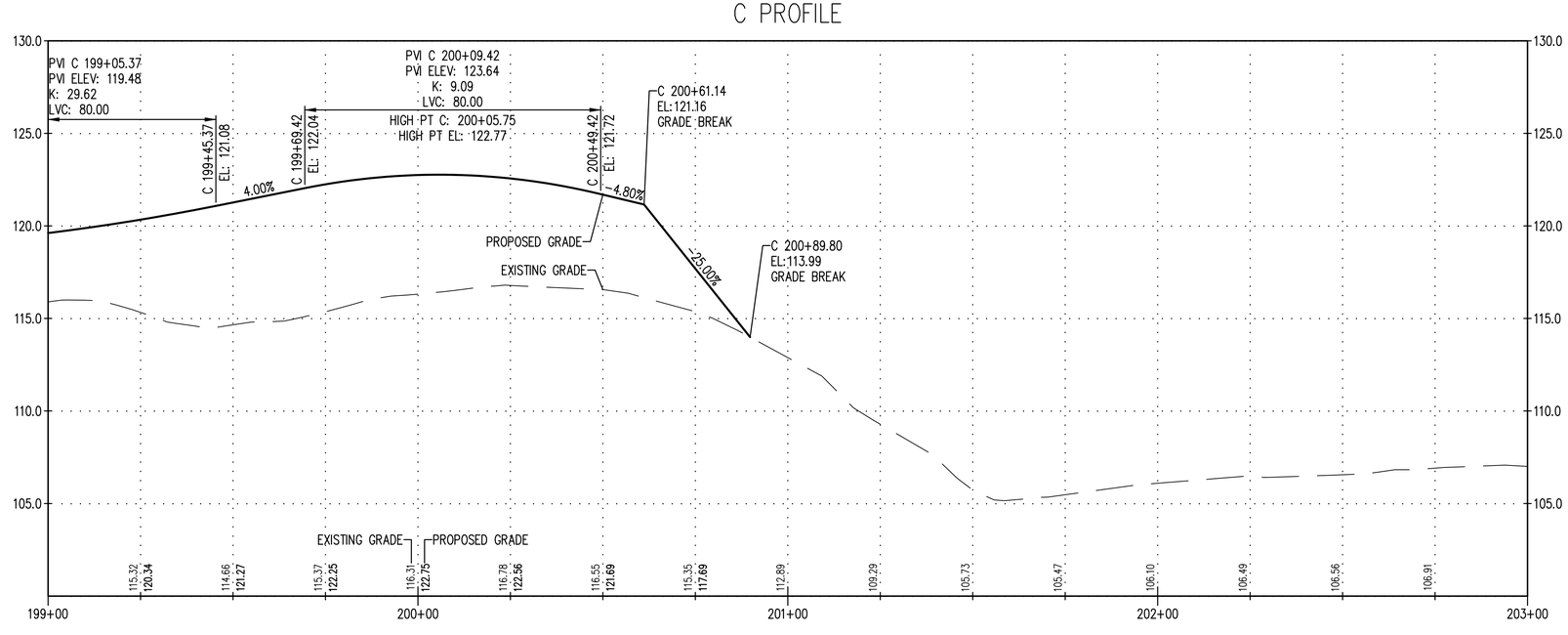
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FUTURE TRAIL CONNECTION

13
21 TYPE 3 BARRICADE

C PROFILE



H 0 20 40

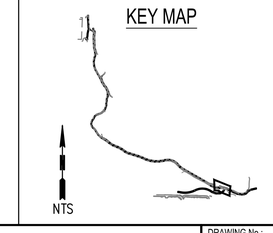
V 0 4 8

SCALE IN FEET

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
x x	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-12

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

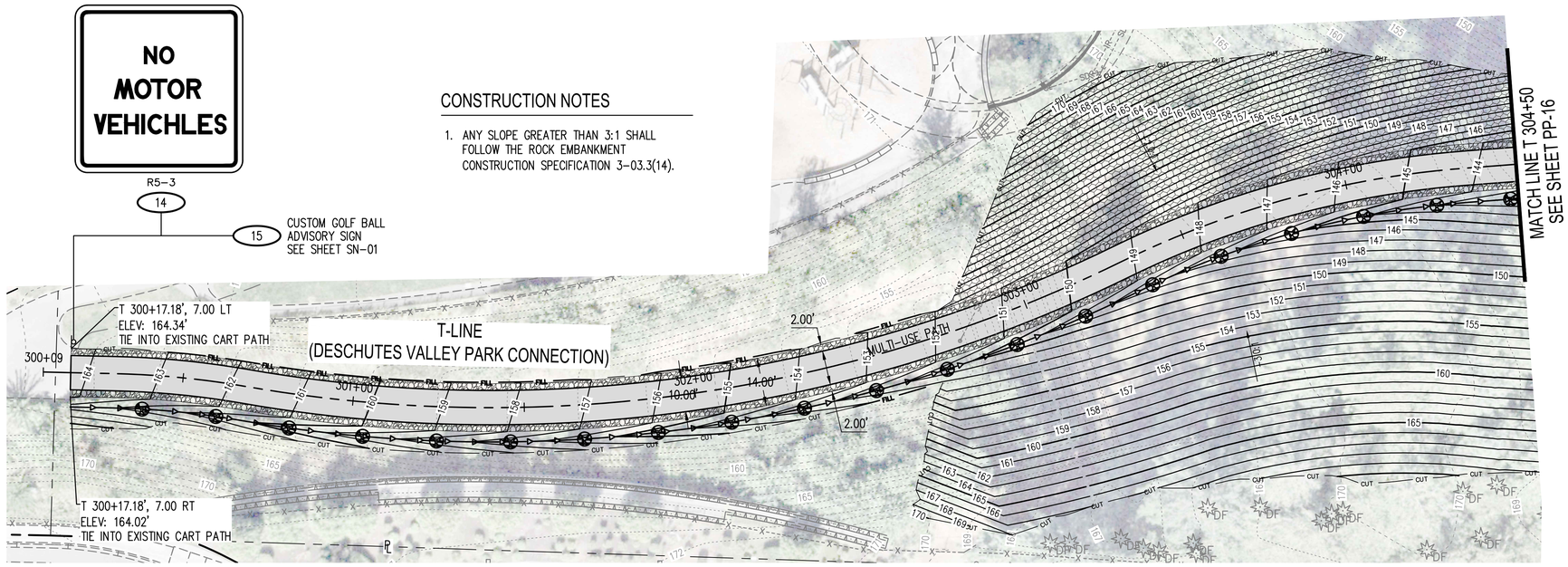
DESCHUTES VALLEY TRAIL
SEGMENT C

PLAN AND PROFILE
C 199+00 - C 201+00

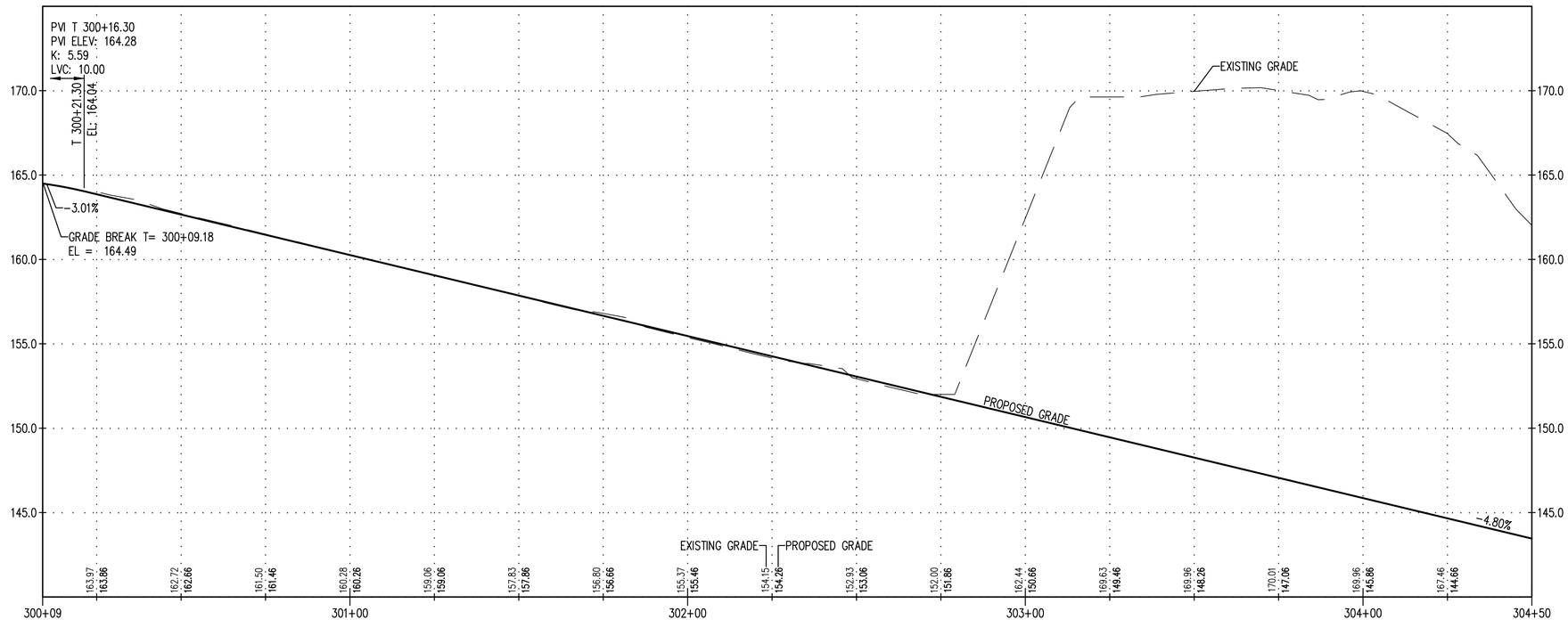
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T PROFILE

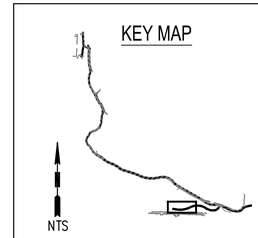


H 0 20 40
V 0 4 8
SCALE IN FEET

LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

KEY MAP



NTS

REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-14

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PRELIMINARY

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CONSULTING SERVICES
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SCJALLIANCE.COM

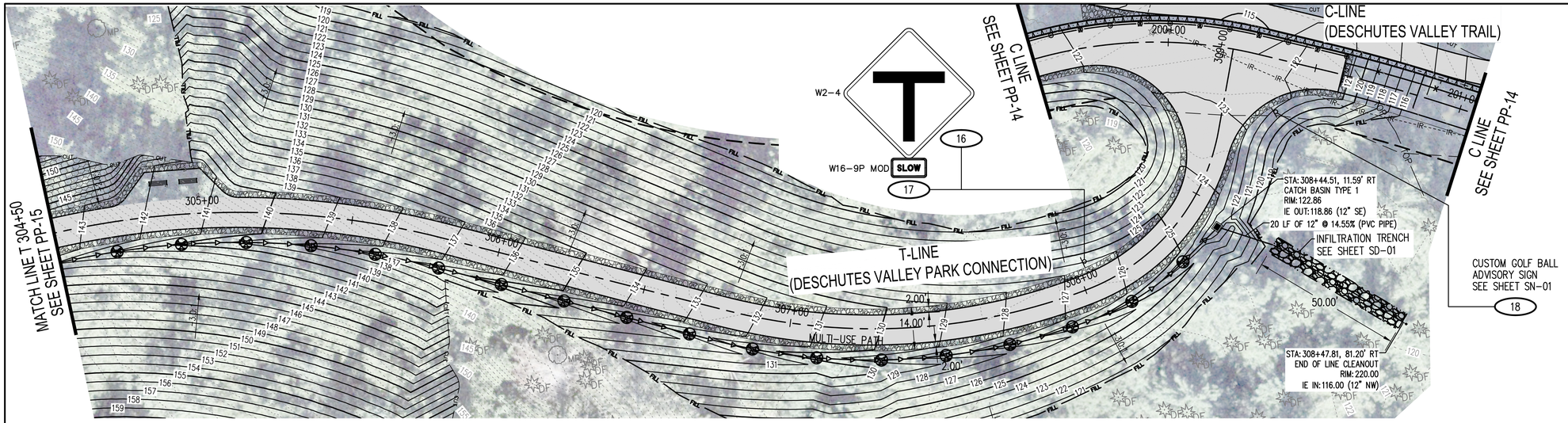
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

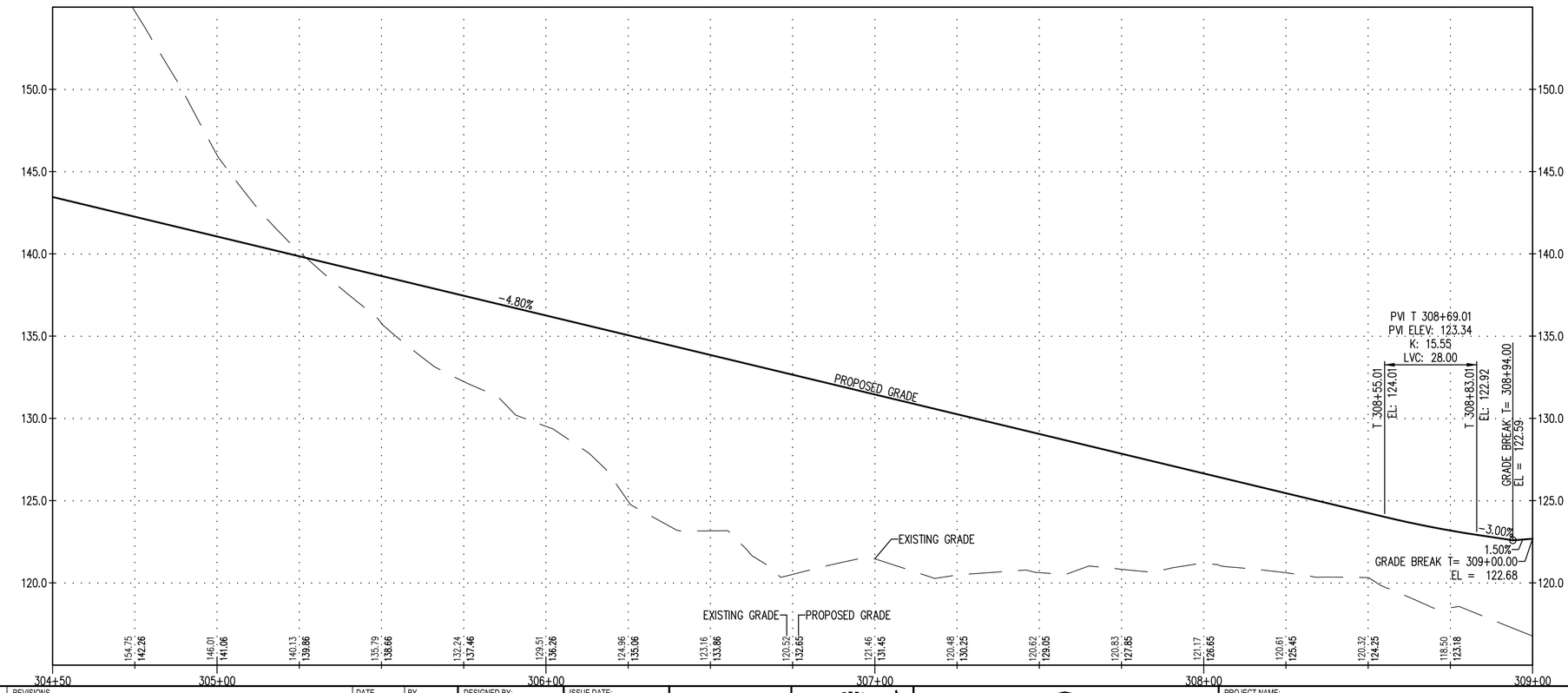
PLAN AND PROFILE
T 300+00 - T 304+50

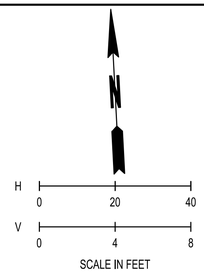
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T PROFILE





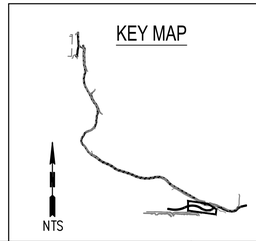
LEGEND

	HMA TRAIL	SEE SHEET XS-01-XS-03
	GRAVEL SHOULDER	SEE SHEET XS-01-XS-03
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	SAFETY FENCE & POLE	SEE SHEET CF-01-CF-06
XX	EX. MAJOR CONTOUR	
XX	EX. MINOR CONTOUR	
XX	MAJOR CONTOUR	
XX	MINOR CONTOUR	
FILL	APPROX. FILL LINE	
CUT	APPROX. CUT LINE	
	CATCH BASIN TYPE 1	WSDOT STD PLAN B-5.20
SD	8 IN. DIA. CORRUGATED HDPE STORM SEWER PIPE	
P	POWER LINE	
	ROCK CHECK DAM	SEE SHEET SD-01
	DITCH	
	REDI ROCK RETAINING WALL	
	TYPE 3 CHAIN LINK FENCE	WSDOT STD PLAN L-20.10-03
	MULTI-USE PATH MARKINGS	WSDOT STD PLAN M-9.60
	ADA ACCESSIBILITY	SEE SHEET TG-01
	ACCESSIBILITY SIGN AND POST	SEE SHEET TG-01
	ADA PARKING STRIPING	SEE SHEET TG-01
	BOLLARD TYPE 1	WSDOT STD PLAN H-60.10
	EDGE OF FULL DISPERSION	
	ECOLOGY BLOCK	
	CONCRETE PAD	SEE SHEET TG-01
	ROCK EMBANKMENT	SEE SHEET TG-02
P	SIGN NOTE	SEE SHEET SN-01
	TYPE 3 BARRICADE	SEE SHEET SN-01
X	SIGN NOTE	
REL-X	SIGN RELOCATION NOTE	

CONSTRUCTION NOTES

1. ANY SLOPE GREATER THAN 3:1 SHALL FOLLOW THE ROCK EMBANKMENT CONSTRUCTION SPECIFICATION 3-03.3(14).
2. SEE SHEET CG-01 FOR FULL GRADING EXTENTS OF THE T-LINE BETWEEN STATION T 304+50 TO THE INTERSECTION OF C-LINE AND T-LINE

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. WOLFF
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-PP-15

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

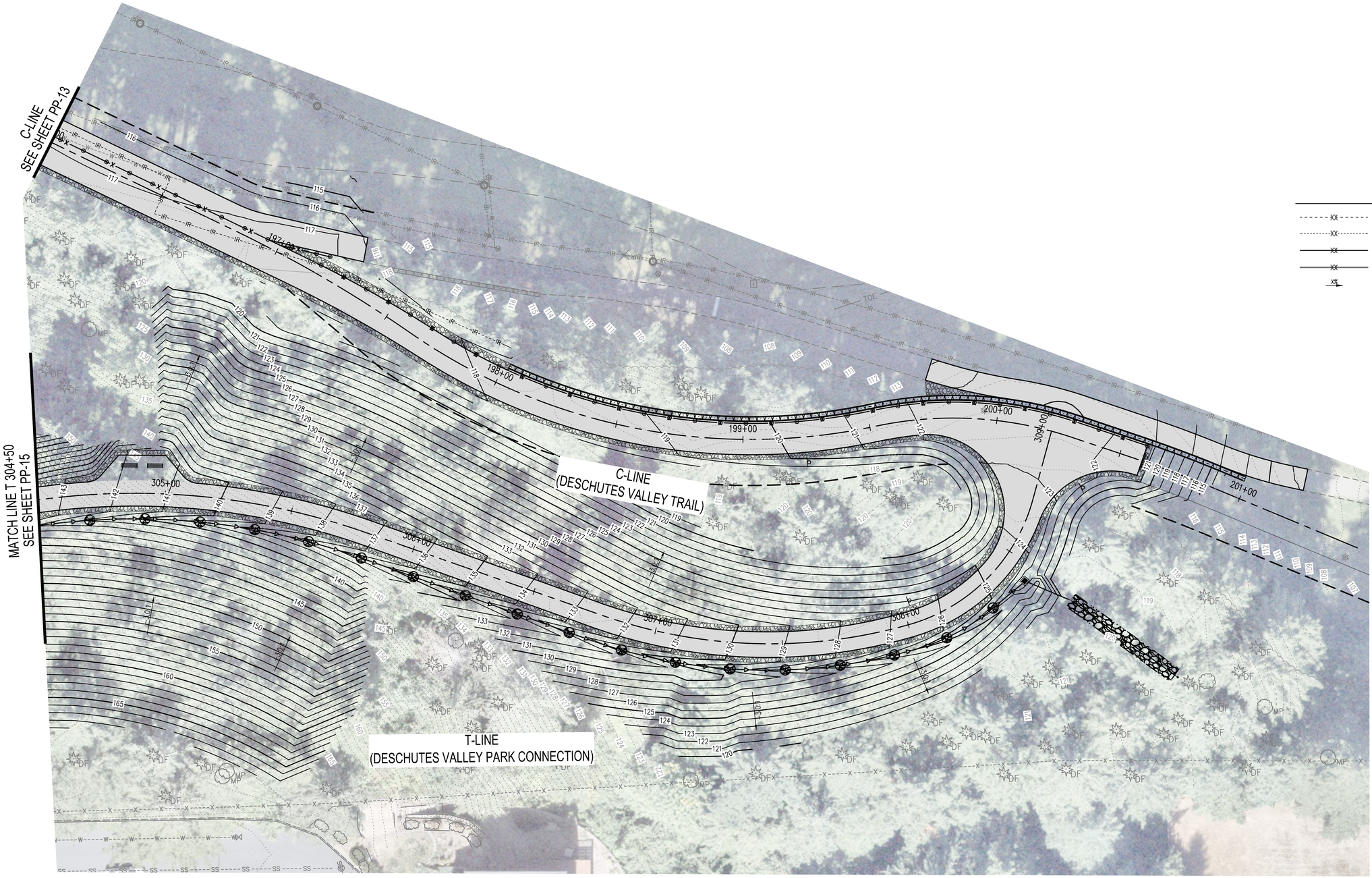
DESCHUTES VALLEY TRAIL
SEGMENT C

PLAN AND PROFILE
T 304+50 - T 309+05

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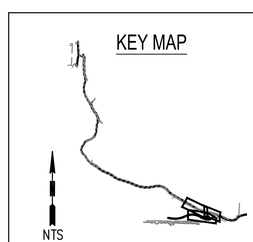
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LEGEND

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- MAJOR CONTOUR
- MINOR CONTOUR
- SLOPE ARROW



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-CG-01

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PROJECT NAME:

CITY OF TUMWATER

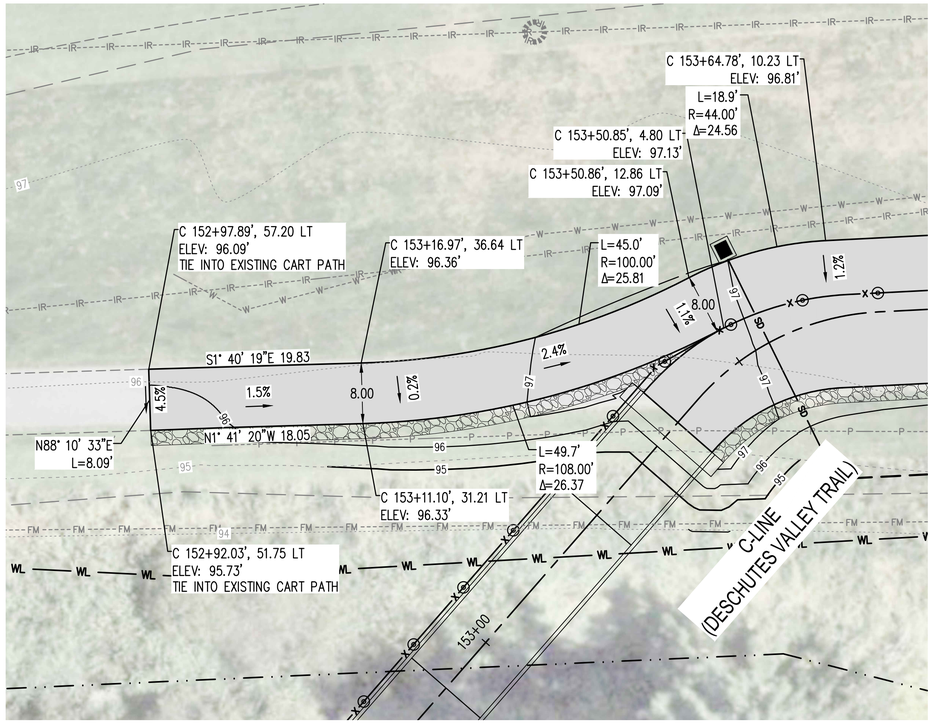
DESCHUTES VALLEY TRAIL
SEGMENT C

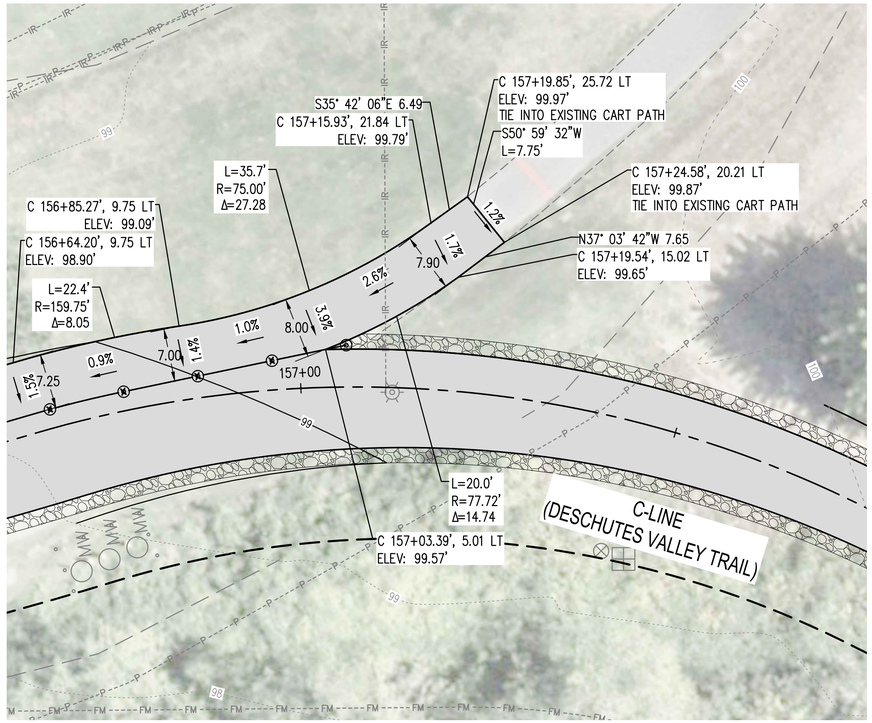
DETAILED GRADING PLAN
T 304+50 - T 309+05

DRAWING No.: CG-01

SHEET No.: 54 OF 148

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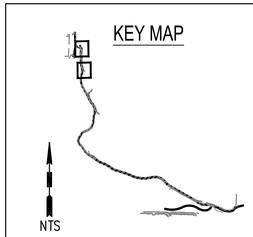


0 10 20
SCALE IN FEET

LEGEND

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- MAJOR CONTOUR
- MINOR CONTOUR
- SLOPE ARROW

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-CG-02

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PROJECT NAME:

CITY OF TUMWATER

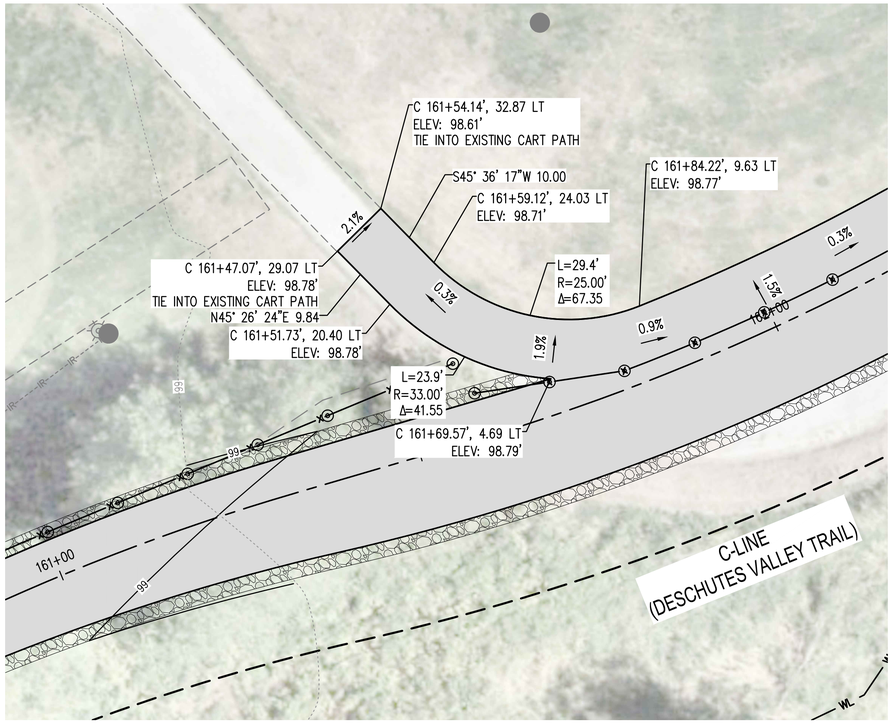
DESCHUTES VALLEY TRAIL
SEGMENT C

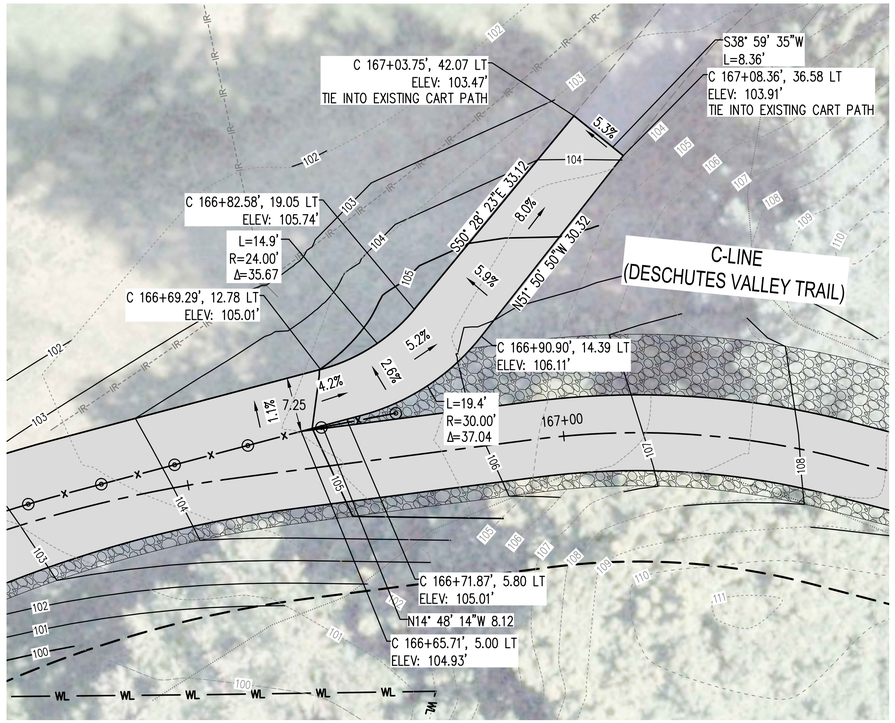
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SHEET No.: 55 OF 148

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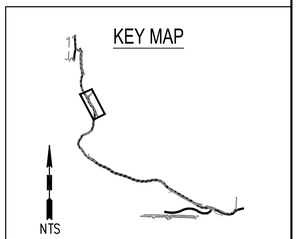






LEGEND

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- MAJOR CONTOUR
- MINOR CONTOUR
- SLOPE ARROW



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-CG-03

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PROJECT NAME:

CITY OF TUMWATER

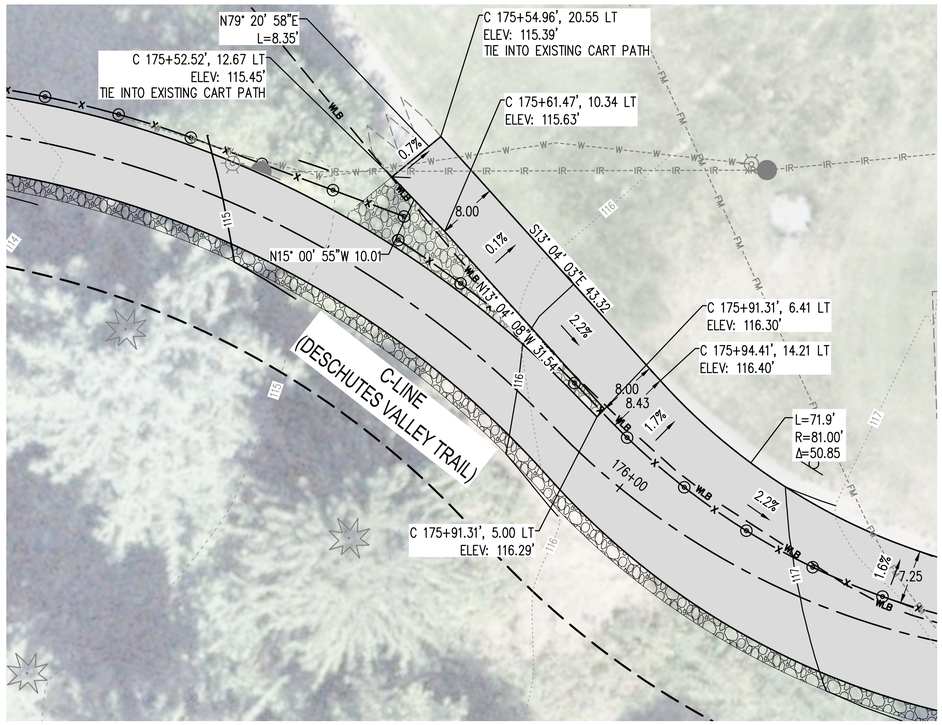
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SEGMENT C

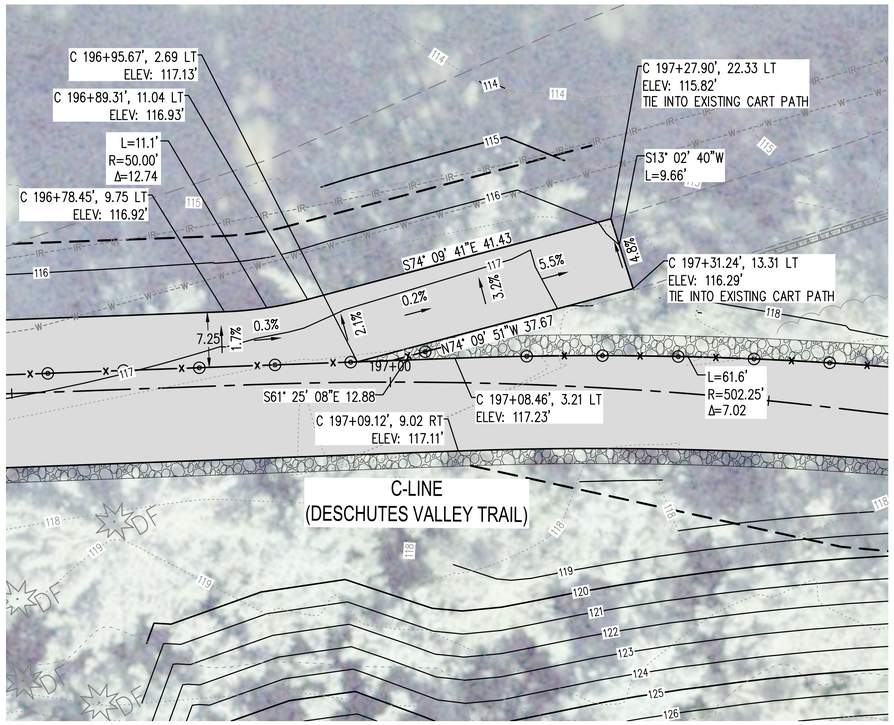
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SHEET No.: 56 OF 148

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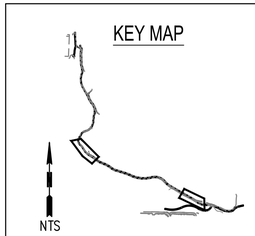


0 10 20
SCALE IN FEET

LEGEND

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- MAJOR CONTOUR
- MINOR CONTOUR
- SLOPE ARROW

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-CG-04

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PROJECT NAME:

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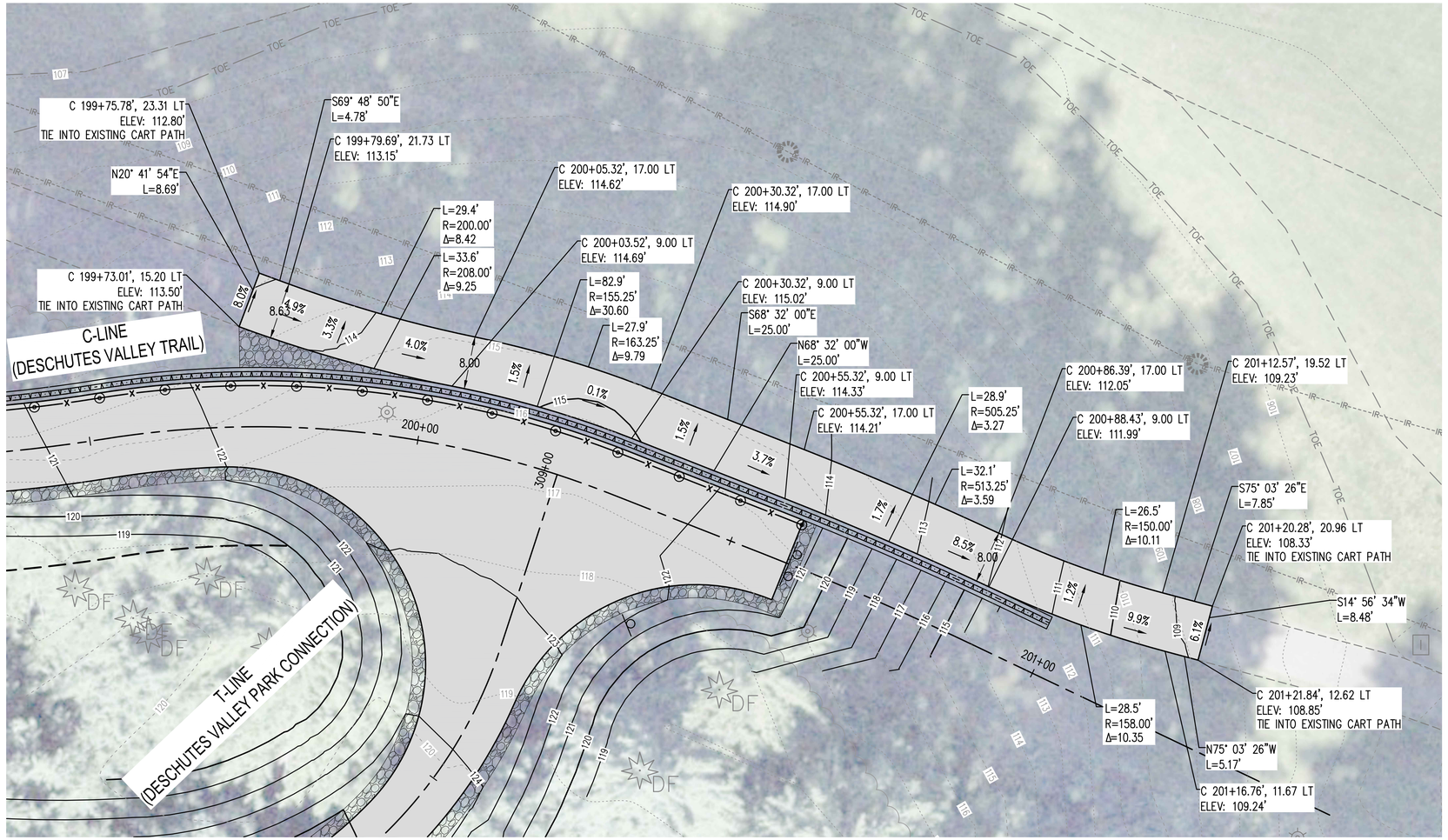
DESCHUTES VALLEY TRAIL
SEGMENT C

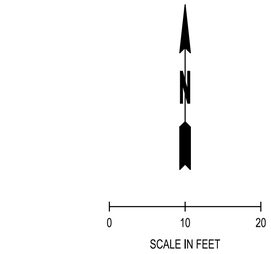
DETAILED GRADING PLAN

DRAWING No.: CG-04

SHEET No.: 57 OF 148

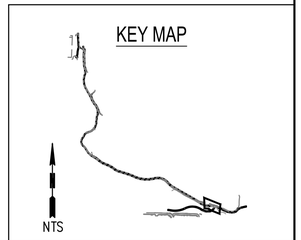
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N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-CG-04.DWG





LEGEND

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- MAJOR CONTOUR
- MINOR CONTOUR
- SLOPE ARROW



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-CG-05

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

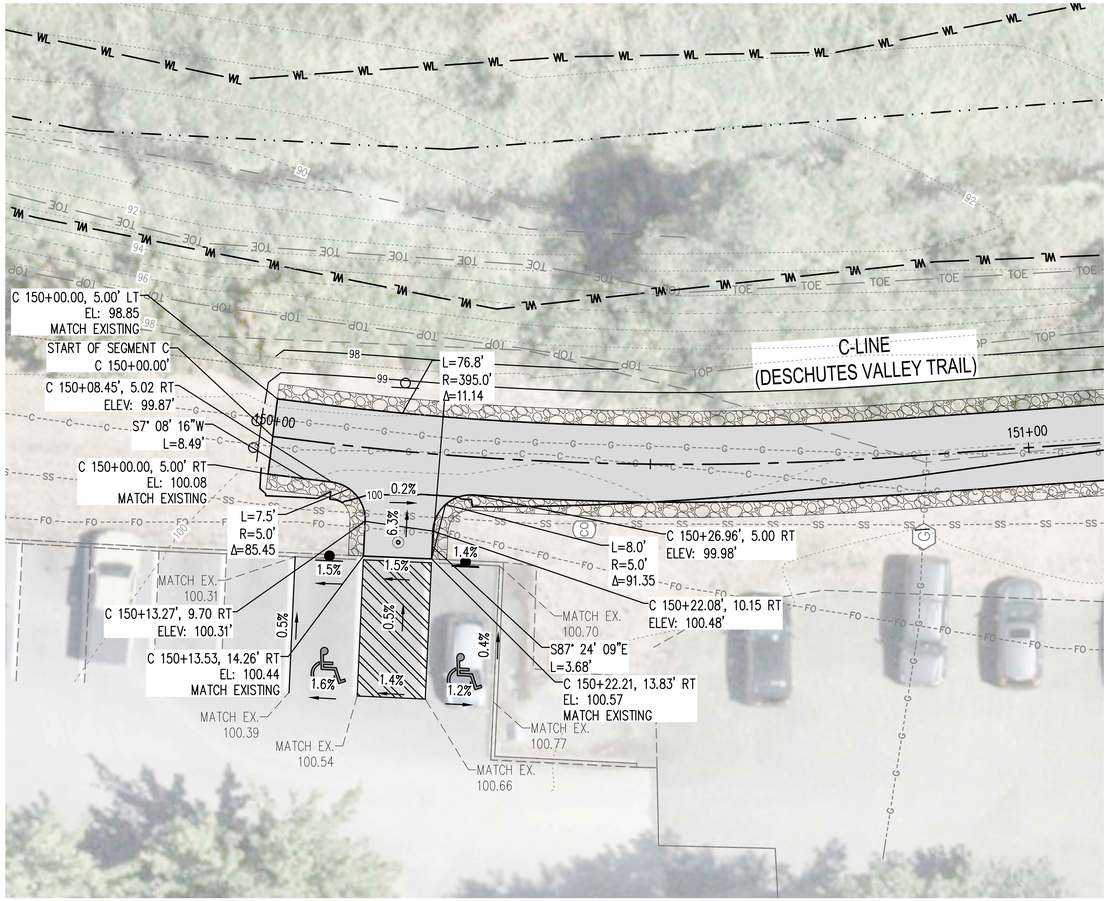
DESCHUTES VALLEY TRAIL
SEGMENT C

DETAILED GRADING PLAN

DRAWING No.: CG-05

SHEET No.: 58 OF 148

Aug 20, 2026 1:11:32pm - User: aufreynielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-CG-05.DWG



0 10 20

SCALE IN FEET

LEGEND

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- MAJOR CONTOUR
- MINOR CONTOUR
- SLOPE ARROW

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-CG-07

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CONSULTING SERVICES
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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

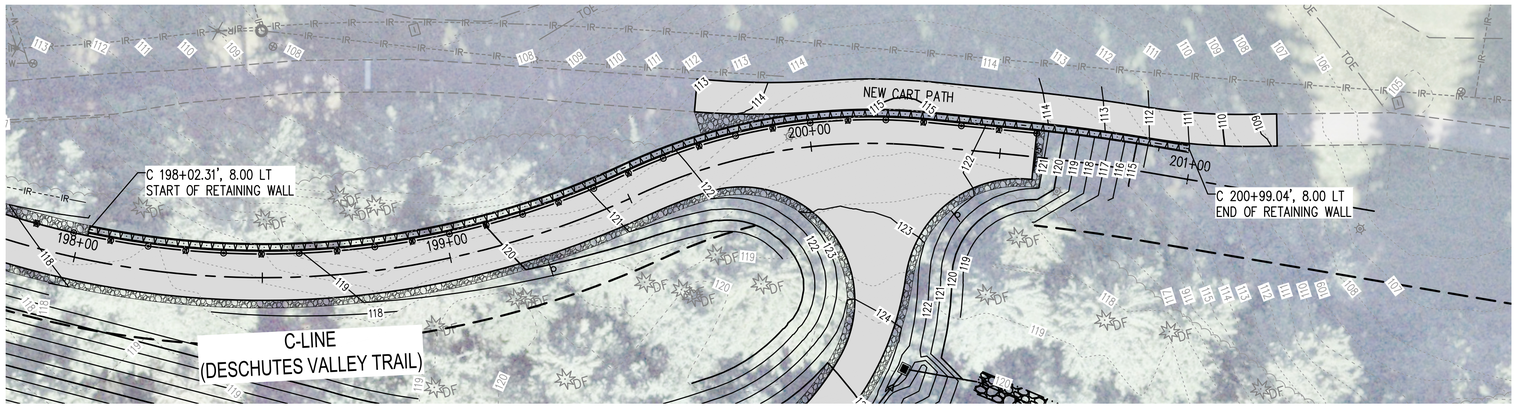
DESCHUTES VALLEY TRAIL
SEGMENT C

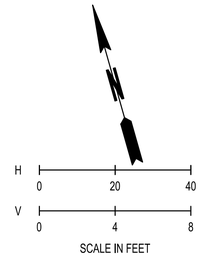
DETAILED GRADING PLAN

DRAWING No.: CG-06

SHEET No.: 59 OF 148

Aug 20, 2026 12:50:25pm – User: audreynielsen
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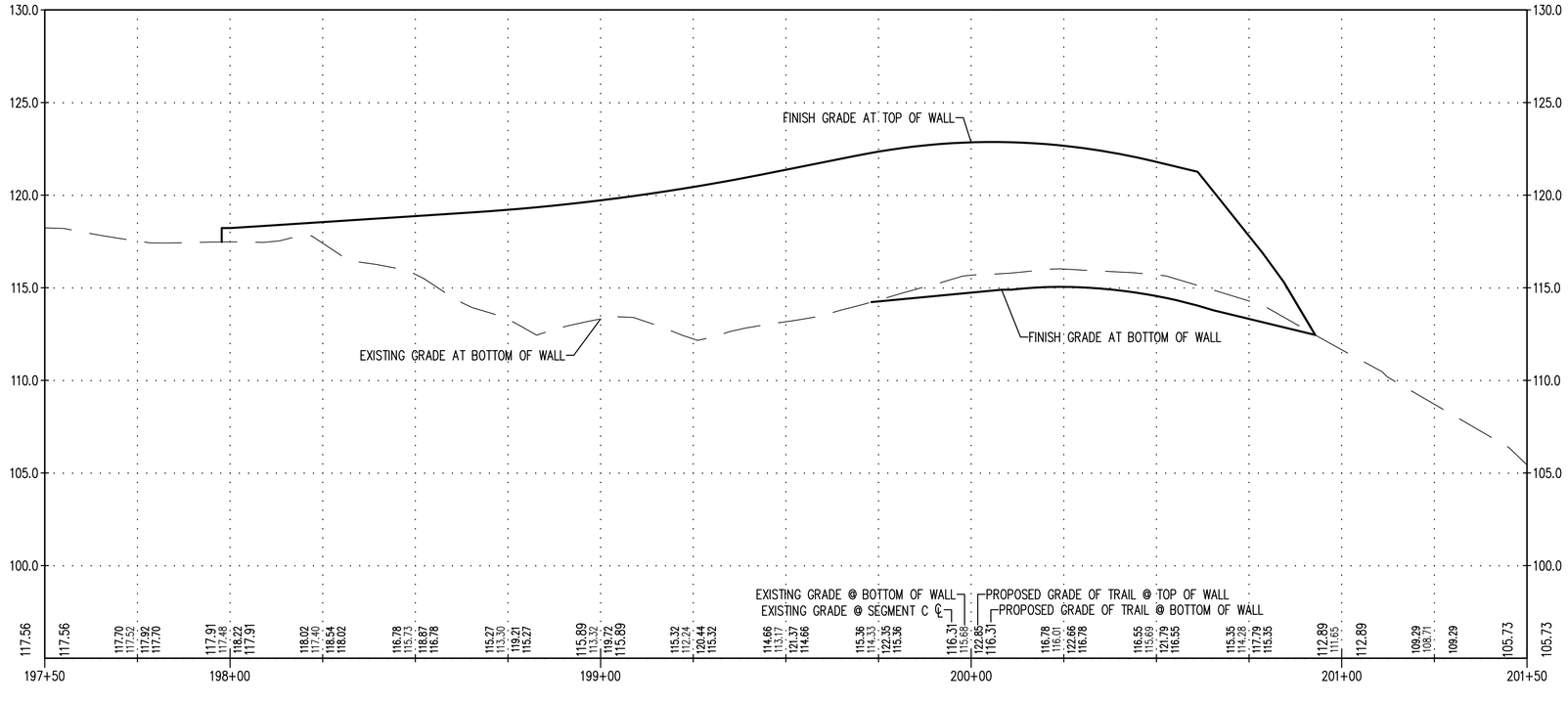


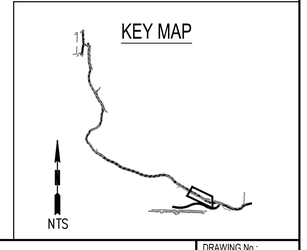


GENERAL NOTES

SEE SHEET S9 AND S10 FOR DETAILED STRUCTURAL DESIGN ON THE REDI-ROCK RETAINING WALL DESIGN

C PROFILE





△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-RW-01

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
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PROJECT NAME:

CITY OF TUMWATER

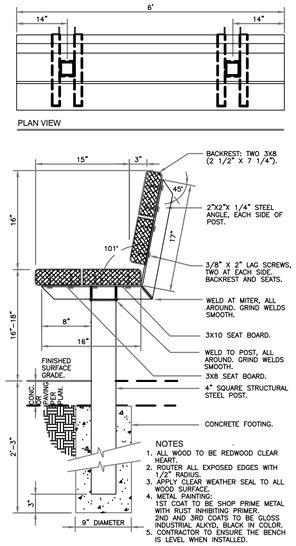
DESCHUTES VALLEY TRAIL
SEGMENT C

RETAINING WALL PLAN
C 197+75 - C 203+00

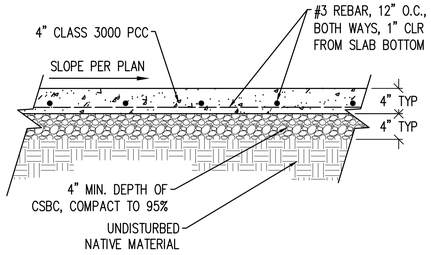
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SHEET No.: 60 OF 148

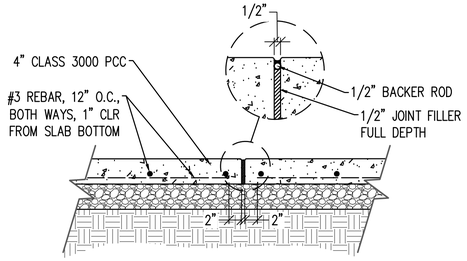
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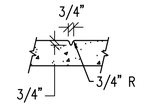
BENCH WITH BACK REST
NTS



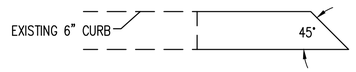
CONCRETE PAD SECTION
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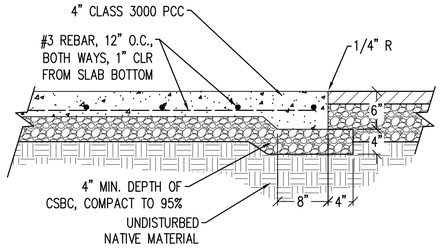
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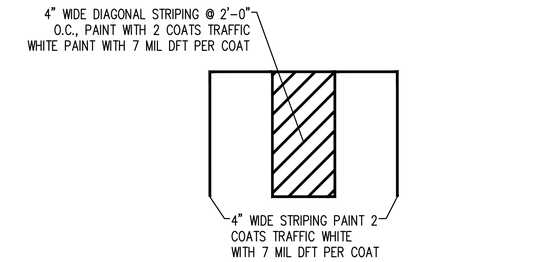
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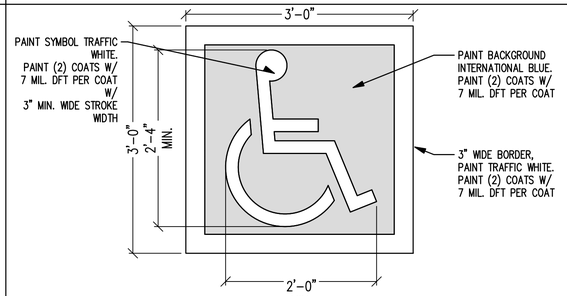
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NTS



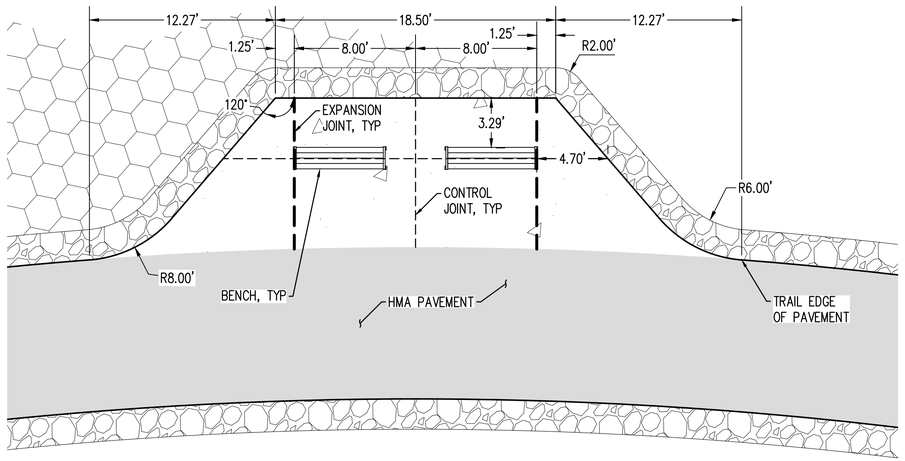
CONCRETE PAD THICKENED EDGE
NTS



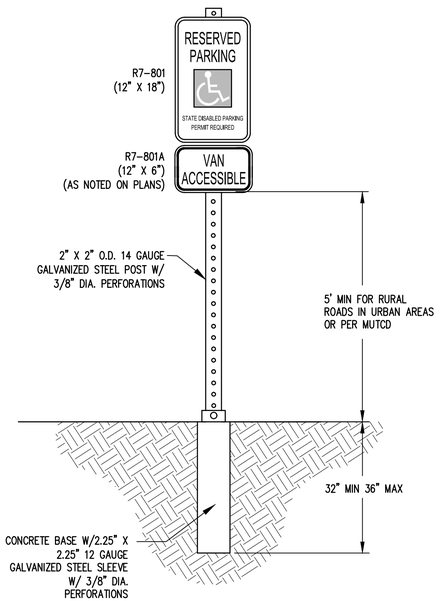
ADA PARKING STALL STRIPING
NTS



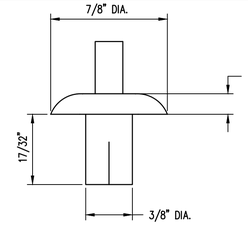
ACCESSIBILITY SYMBOL
NTS



PEDESTRIAN LANDING
1" = 5'



CONCRETE BASE, SIGN POST AND SIGN PLACEMENT



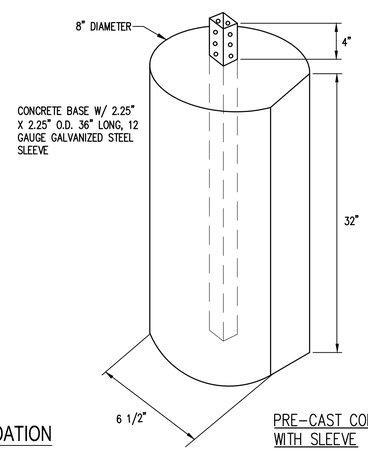
STEEL DRIVE RIVET STANDARDS

NOTE: USE STEEL DRIVE RIVETS TO FASTEN POST TO SLEEVE AND SIGNS TO POST.

MATERIALS: C1006-1008 ALUMINUM KILNED FINE GRADE STEEL.

FINISH: ZINC PLATE W/ CHROMATE SEALER.

GRIP RANGE: NOMINAL 3/16" IN A 3/8" DIA. HOLE.



PRE-CAST CONCRETE BASE WITH SLEEVE

ACCESSIBILITY SIGN, POST, AND FOUNDATION
NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-PP-16

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

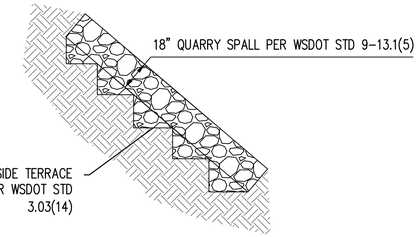
DESCHUTES VALLEY TRAIL
SEGMENT C

TRAIL GENERAL NOTES AND DETAILS

DRAWING No.: TG-01

SHEET No.: 61 OF 148

Aug 20, 2026 1:29:57pm - User: aufreyrichelson
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-PP-16.DWG



NOTES:
1. ROCK EMBANKMENT SHALL BE PLACED IN ALL LOCATIONS WITH SLOPES STEEPER THAN 3.1.
2. SEE SPECIFICATIONS 3-03.3(14).

ROCK EMBANKMENT
NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-PP-16

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

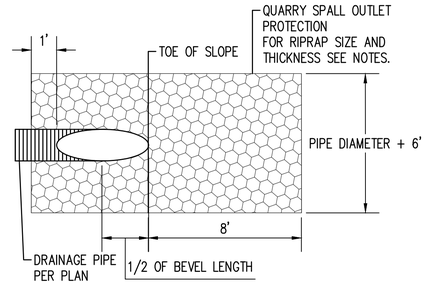
TRAIL GENERAL NOTES AND DETAILS

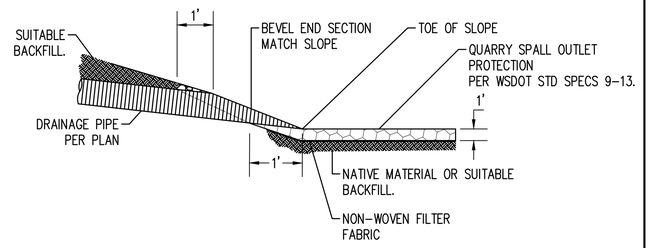
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SHEET No.: 62 OF 148

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Figure 12.1. Infiltration Trench Design.





OUTLET PROTECTION DETAIL
NTS

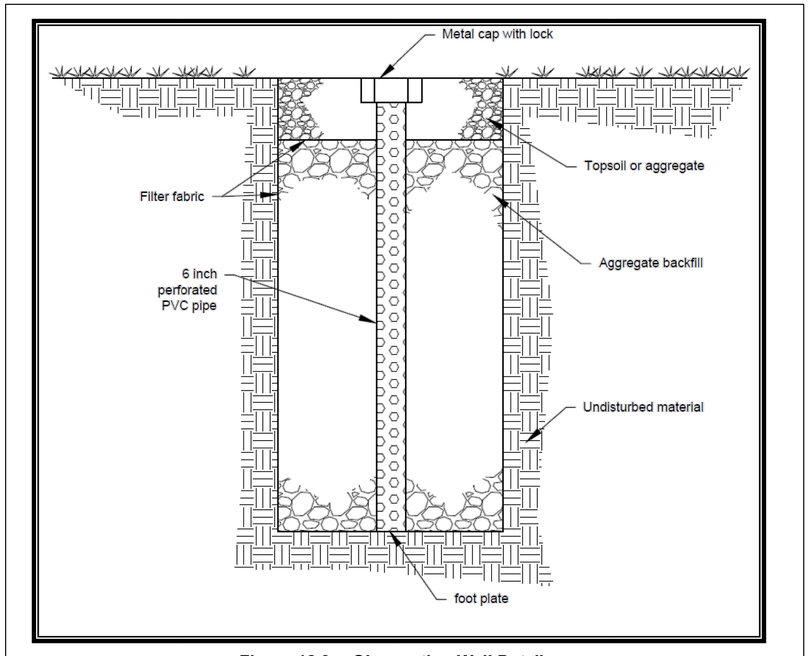
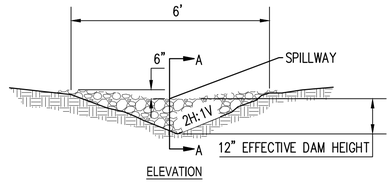
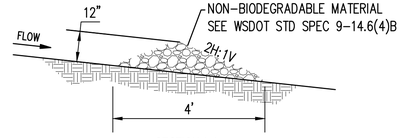


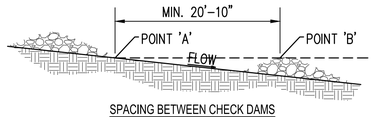
Figure 12.3. Observation Well Details.



ELEVATION



SECTION A-A



SPACING BETWEEN CHECK DAMS

CHECK DAM NOTES:

1. NON-BIODEGRADABLE MANUFACTURES CHECK DAM DEVICES APPROCED FOR USE UNDER WSDOT STANDARD SPECIFICATION SECTION 9-14.6(4)B SHALL BE INSTALLED PER MANUFACTURES RECOMMENDATIONS AND SHALL PERFORM IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 8-01.3(6).
2. TO ENSURE ADEQUATE DETENTION TIME, ROCK CHECK DAMS USED AS SEDIMENT CONTROL MAY NEED TO BE INHANCED WITH PLASTIC THAT MEETS THE REQUIREMENTS OF WSDOT STANDARD SPECIFICATION SECTION 9-14.6(3) OR FABRIC THAT MEETS THE GEOTEXTILE REQUIREMENTS OF WSDOT STANDARD SPECIFICATION SECTION 9-33(1), TABLE 6.

ROCK CHECK DAM
NTS

Aug 20, 2026 1:05:46pm – User: aufreyhelsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CAD\25-000313-C-SD-01.DWG

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ | ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA | JOB No.: 25-000313
APPROVED BY: P. HOLM | DRAWING FILE No.: 25-000313-C-SD-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME: CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

STORMWATER NOTES AND DETAILS

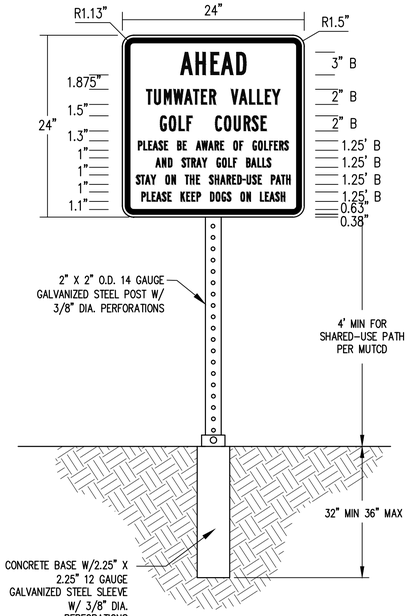
DRAWING No.: SD-01
SHEET No.: 63 OF 148

SIGN INSTALLATION SPECIFICATIONS

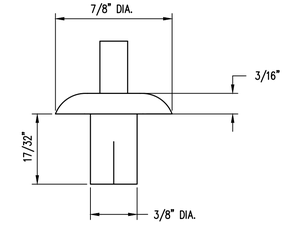
SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (or MP)	SIGN SIZE X	SIGN SIZE Y	POST MATERIAL	POST SIZE	POST LENGTH H1	POST LENGTH H2	MAXIMUM XYZ (CU. FT.)	REMARKS
1	R5-3	NO MOTOR VEHICLES	M 251+76.25, 10.19 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
2	R5-3	NO MOTOR VEHICLES	C 150+16.77, 9.00 LT	24	24	STEEL	2"x2"	4.0'	-- -- --		
3	N/A	GOLF BALL ADVISORY	C 154+25.00, 13.75 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
4	N/A	GOLF BALL ADVISORY	C 159+25.00, 9.00 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
5	N/A	GOLF BALL ADVISORY	C 164+25.00, 13.63 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
6	N/A	GOLF BALL ADVISORY	C 169+25.00, 9.00 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
7	N/A	GOLF BALL ADVISORY	C 174+25.00, 9.00 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
8	N/A	GOLF BALL ADVISORY	C 179+25.00, 13.75 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
9	N/A	GOLF BALL ADVISORY	C 184+25.00, 13.75 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
10	N/A	GOLF BALL ADVISORY	C 189+25.00, 13.75 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
11	N/A	GOLF BALL ADVISORY	C 194+24.99, 13.75 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
12	N/A	GOLF BALL ADVISORY	C 199+24.99, 10.00 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
13	N/A	FUTURE TRAIL CONNECTION	C 200+59.48, 0.00	24	18	TYPE III BARRICADE		-- -- --	--		
14	R5-3	NO MOTOR VEHICLES	T 300+17.82, 8.99 LT	24	24	STEEL	2"x2"	4.0'	-- -- --		
15	N/A	GOLF BALL ADVISORY	T 300+17.82, 8.99 LT	24	24	STEEL		-- -- --	--		MOUNT BELOW SIGN NO. 15
16	W2-4	INTERSECTION WARNING	T 308+03.42, 9.00 LT	24	24	STEEL	2"x2"	4.0'	-- -- --		
17	W16-9P MOD	SLOW	T 308+03.42, 9.00 LT	24	12	STEEL	2"x2"	-- -- --	--		MOUNT BELOW W2-4
18	N/A	GOLF BALL ADVISORY	T 308+81.95, 17.64 RT	24	24	STEEL	2"x2"	4.0'	-- -- --		
19	N/A	FUTURE TRAIL CONNECTION	C 149+98.28, 0.00	24	18	TYPE III BARRICADE		-- -- --	--		
20	N/A	TYPE III BARRICADE	C 149+98.28, 0.00	144	96	PRESSURE TREATED	4"x4"	8.0' 8.0' 8.0'	--		
21	N/A	TYPE III BARRICADE	C 200+59.48, 0.00	144	96	PRESSURE TREATED	4"x4"	8.0' 8.0' 8.0'	--		

SIGN RELOCATION SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	EXIST. STA. LOC. (or MP)	STA. LOC. (or MP)
REL-1	N/A	HOLE 4	A 177+73.31, 14.94 LT	C 176+21.59, 16.73 LT
REL-2	N/A	HOLE 5	A 189+08.05, 14.22 RT	C 188+57.83, 13.78 LT



CONCRETE BASE, SIGN POST AND SIGN PLACEMENT



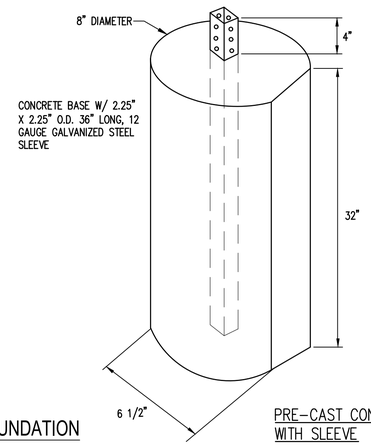
STEEL DRIVE RIVET STANDARDS

NOTE: USE STEEL DRIVE RIVETS TO FASTEN POST TO SLEEVE AND SIGNS TO POST.

MATERIALS: C1006-1008 ALUMINUM KILNED FINE GRADE STEEL.

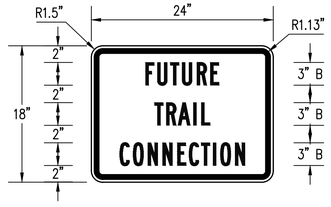
FINISH: ZINC PLATE W/ CHROMATE SEALER.

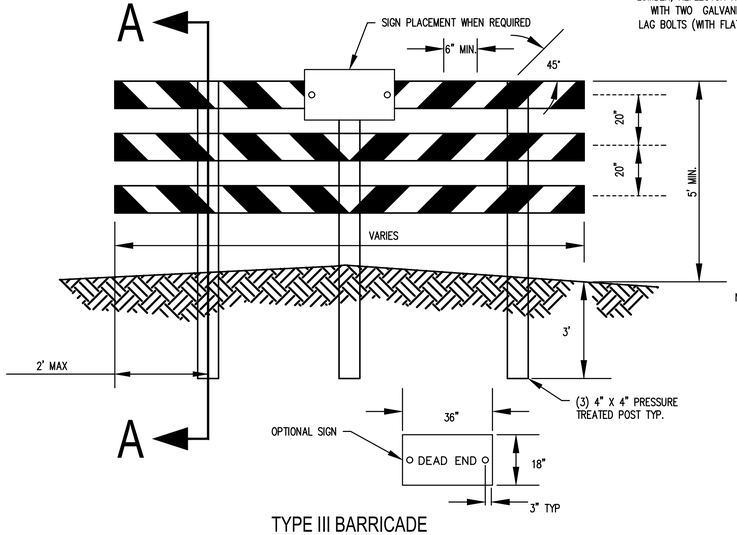
GRIP RANGE: NOMINAL 3/16" IN A 3/8" DIA. HOLE.



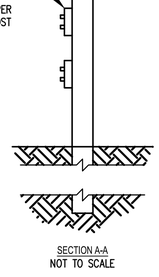
PRE-CAST CONCRETE BASE WITH SLEEVE

GOLF BALL ADVISORY SIGN, POST, AND FOUNDATION
NTS





TYPE III BARRICADE
NOT TO SCALE



SECTION A-A
NOT TO SCALE

NOTES:

1. BARRICADES SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS MODIFIED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT)
2. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATIVE WHITE AND RED STRIPES (SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES).
3. THE ENTIRE AREA OF WHITE AND RED STRIPES SHALL BE REFLECTIONIZED SO AS TO BE VISIBLE UNDER NORMAL ATMOSPHERIC CONDITIONS FROM A MINIMUM DISTANCE OF 1,000 FEET WHEN ILLUMINATED BY THE LOW BEAMS OF STANDARD AUTOMOBILE HEADLIGHTS. THE PREDOMINANT COLOR FOR OTHER BARRICADE COMPONENTS SHALL BE WHITE.
4. BARRICADE SECTION SHALL EXTEND ACROSS THE ENTIRE STREET AREA. WHERE BARRICADE EXTENDS ENTIRELY ACROSS A ROADWAY, THE STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN IN DETOURING. WHERE BOTH RIGHT AND LEFT TURNS ARE ALLOWED, THE CHEVRON STRIPING SHALL SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE. RAILS SHALL BE PLACED BOTH FRONT AND BACK OF BARRICADE IF REQUIRED FOR TWO-WAY TRAFFIC. RAILS SHALL BE THE SAME SIZE. FOR WIDER APPLICATIONS, MULTIPLE SECTIONS, SPACED NO FURTHER THAN 4" SHALL BE USED.
5. RAILS SHALL BE PLACED BOTH ON THE FRONT AND BACK OF THE BARRICADE IF REQUIRED FOR TWO-WAY TRAFFIC. RAILS SHALL BE THE SAME SIZE.
6. LUMBER SHALL BE STANDARD GRADE OR BETTER.
7. IF SIGN IS REQUIRED, FIELD DRILL TWO HOLES TO ACCOMODATE GALVANIZED 3/8" MACHINE BOLT, WASHER AND NUT. THE SIGN SHALL BE INSTALLED SO THAT THE CENTER RAIL IS NOT COVERED.

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-SN-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER
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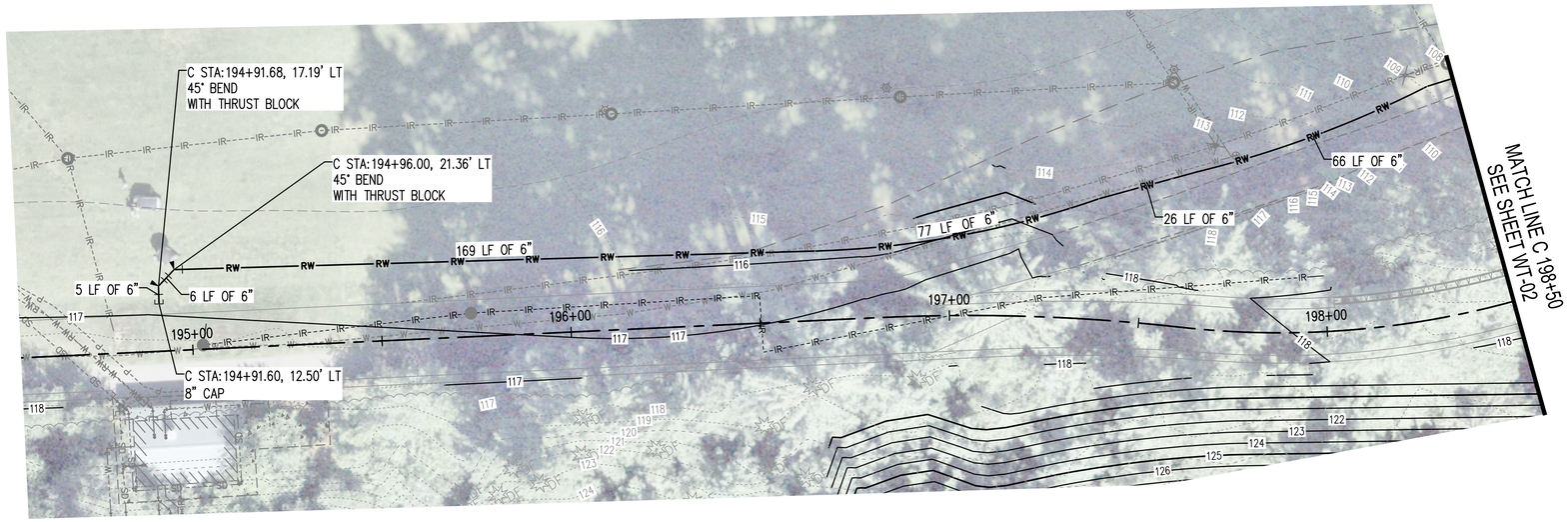
PROJECT NAME:
CITY OF TUMWATER

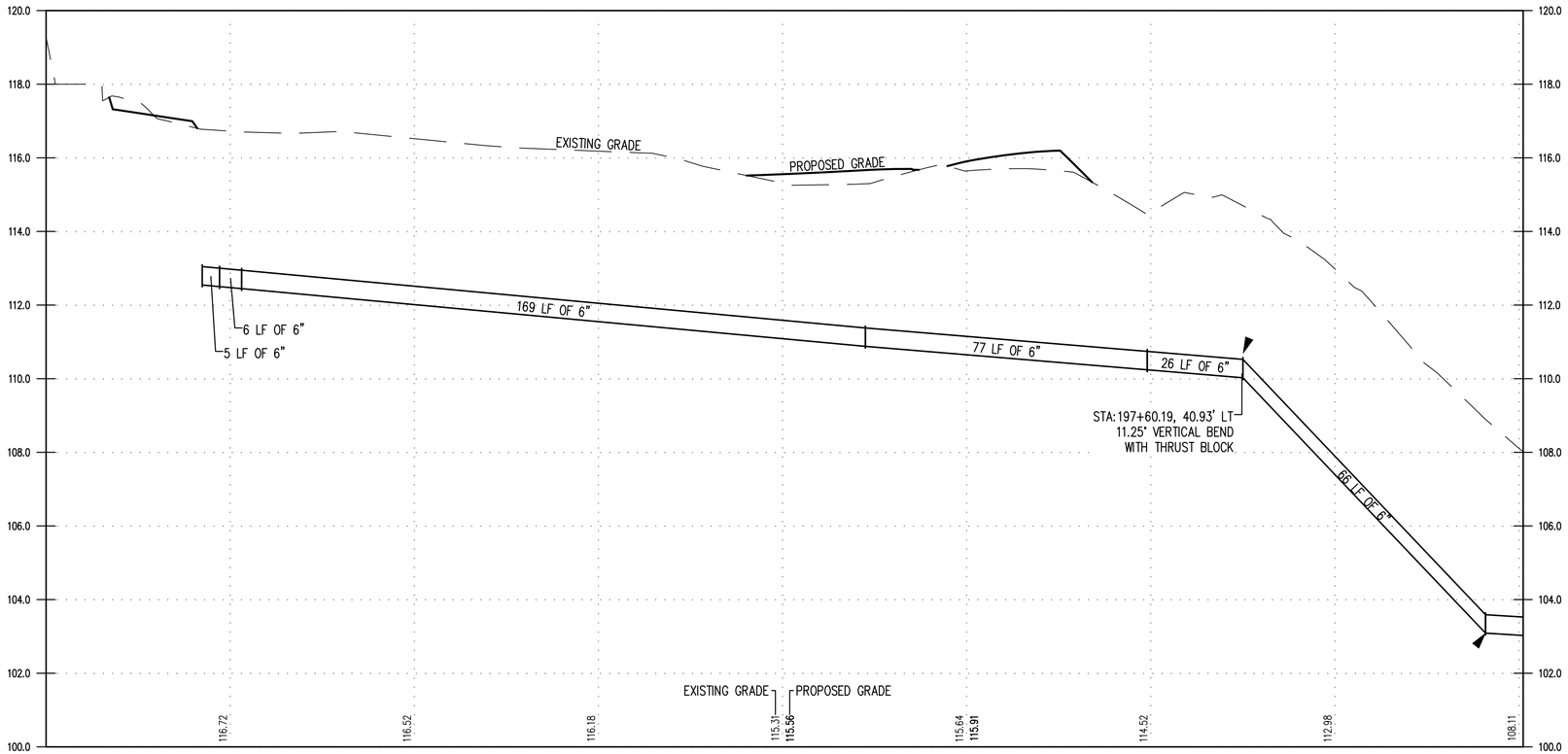
DESCHUTES VALLEY TRAIL
SEGMENT C

SIGNING PLAN

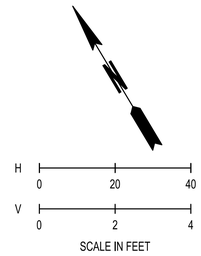
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SHEET No.: 64 OF 148

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SEG C RECLAIMED WATER



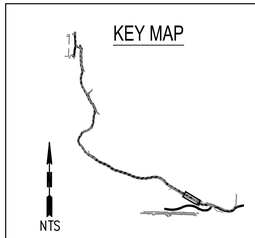
LEGEND

RW	RECLAIMED WATER LINE, PURPLE, 6 INCH PVC AWWA C900 (CLASS 150)
W	EXISTING WATER LINE
IR	EXISTING IRRIGATION LINE
	8 INCH CAP
	BEND W/ THRUST BLOCKING

NOTES:

1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF TUMWATER STANDARDS AND THE LATEST VERSION OF STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, LATEST EDITION.
2. A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE CITY PRIOR TO THE START OF CONSTRUCTION.
3. RECLAIMED WATER SHALL BE PURPLE AWWA C900 CLASS 150 PIPE.
4. GATE VALVES SHALL BE RESILIENT WEDGE, NRS (NON RISING STEM) WITH O-RINGS SEALS. VALVE ENDS SHALL BE MECHANICAL JOINT OR ANSI FLANGES. VALVES SHALL CONFORM TO AWWA 509-80. VALVES SHALL BE MUELLER, M&H, KENNEDY, CLOW R/W, OR WATEROUS SERIES 500. EXISTING VALVES SHALL BE OPERATED BY CITY EMPLOYEES ONLY.
5. ALL LINES SHALL BE CHLORINATED AND TESTED IN CONFORMANCE WITH THE SPECIFICATIONS.
6. ALL PIPE AND SERVICES SHALL BE INSTALLED WITH 14 GAUGE COATED COPPER WIRE, WRAPPED AROUND THE PIPE, BROUGHT UP AND TIED OFF AT TOP OF VALVE BOX.
7. ALL RECLAIMED WATER MAINS SHALL BE STAKED FOR GRADES AND ALIGNMENT BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUCH WORK.
8. CALL UNDERGROUND LOCATE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATIONS.
9. THE MINIMUM COVER FOR ALL RECLAIMED WATER MAINS FROM TOP OF PIPE TO FINISH GRADE SHALL BE 42 INCHES UNLESS OTHERWISE APPROVED.
10. RECLAIMED WATER WILL NOT BE CONNECTED TO A SOURCE. THIS WILL BE COMPLETED BY THE CITY OF TUMWATER AT A LATER DATE.

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: A. NIELSEN
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-WT-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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PROJECT NAME:

CITY OF TUMWATER

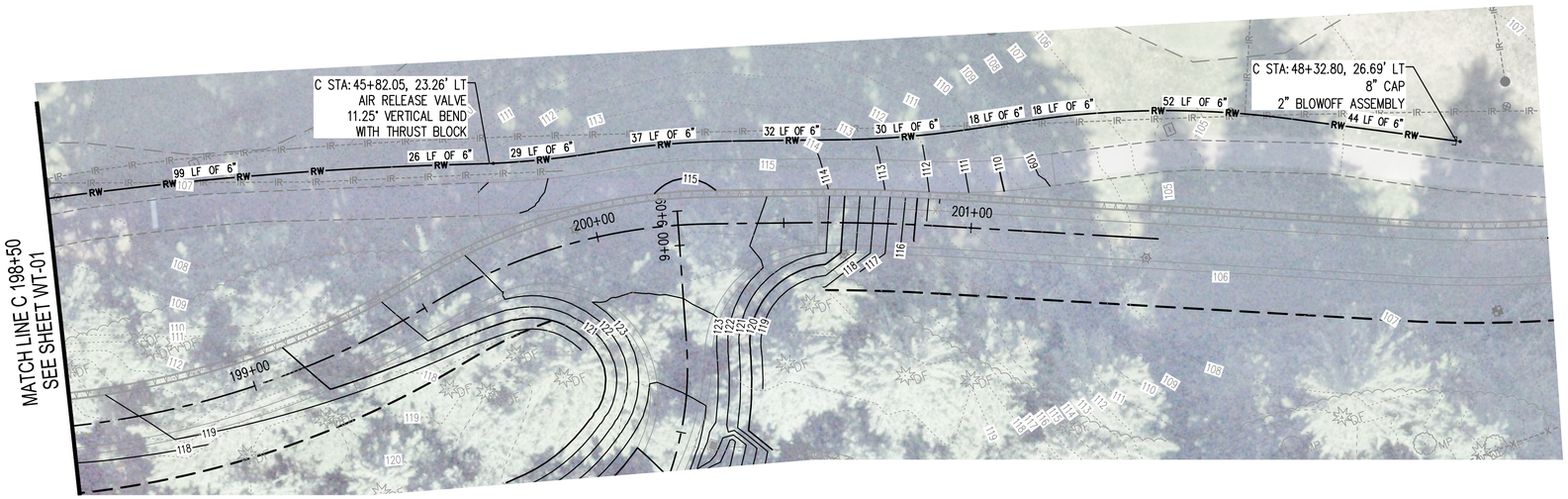
DESCHUTES VALLEY TRAIL
SEGMENT C

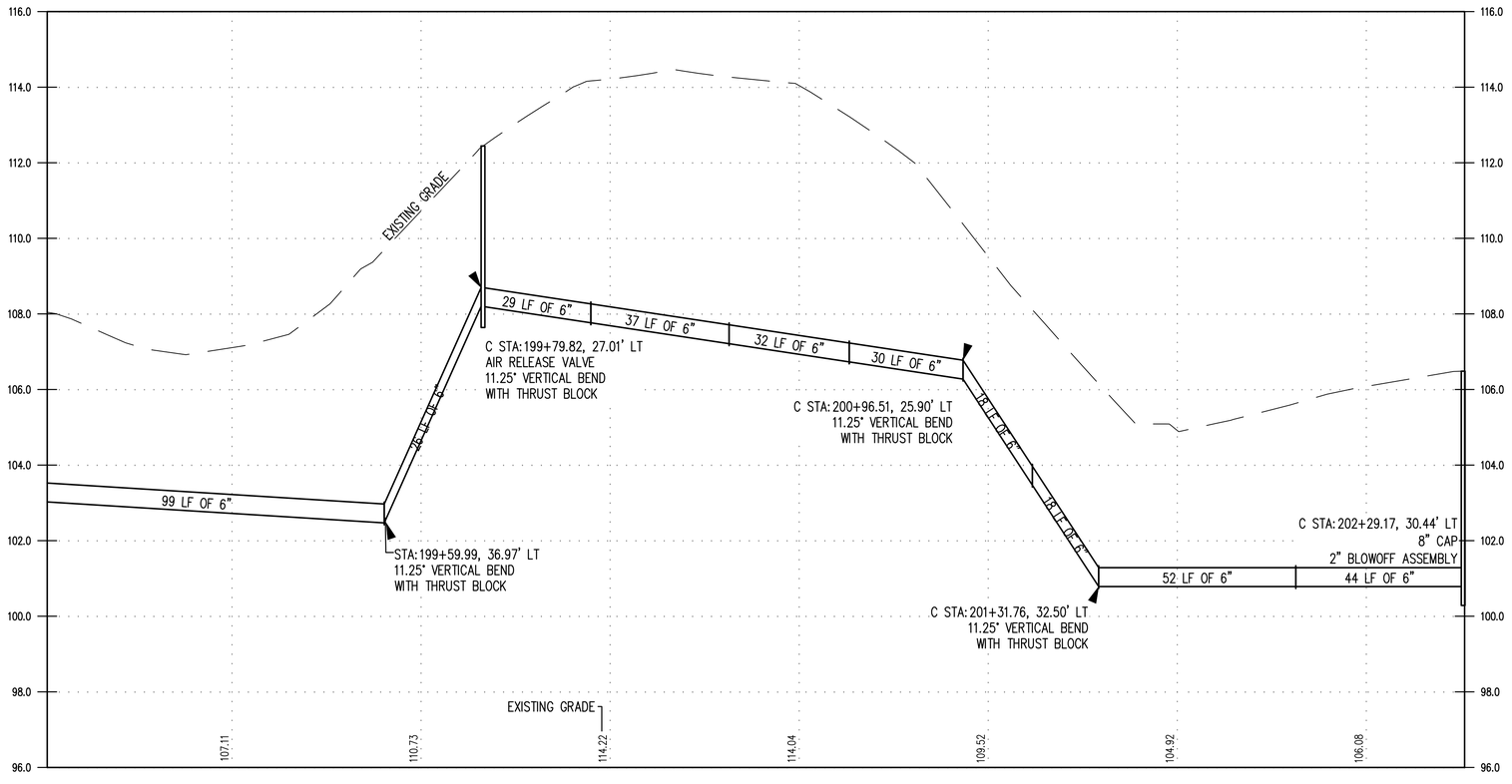
RECLAIMED WATER PLAN AND PROFILE
C 194+50 - C 198+50

DRAWING No.: WT-01

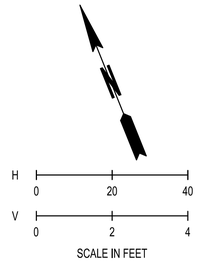
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Aug 20, 2026 12:44:45pm - User: audreynielsen
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SEG C RECLAIMED WATER



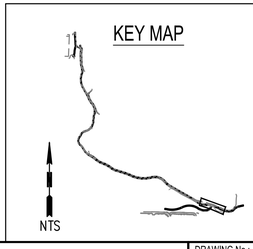
LEGEND

RW	RECLAIMED WATER LINE, PURPLE, 6 INCH PVC AWWA C900 (CLASS 150)
W	EXISTING WATER LINE
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	8 INCH CAP
	BEND W/ THRUST BLOCKING

NOTES:

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KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: A. NIELSEN
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-WT-02

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49870 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

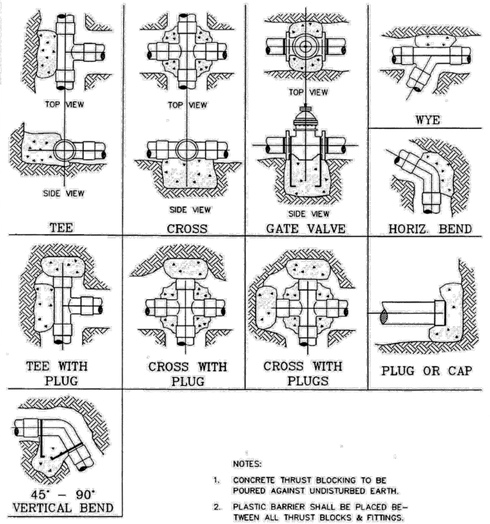
DESCHUTES VALLEY TRAIL
SEGMENT C

RECLAIMED WATER PLAN AND PROFILE
C 198+50 - C 202+50

DRAWING No.: WT-02

SHEET No.: 66 OF 148

Aug 20, 2026 1:22:34pm - User: aufreyhelsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-WT-02.DWG



NOTES:

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2. PLASTIC BARRIER SHALL BE PLACED BETWEEN ALL THRUST BLOCKS & FITTINGS.
3. ANCHOR REBAR SHALL BE 5/8" MINIMUM DIAMETER.

CITY OF TUMWATER	DRAWN BY: SRJ	STD. PLAN NO. WA–06
STANDARD BLOCKING DETAIL SHEET 1 OF 2	CHECKED BY: JRN	DATE: 05–02–95

NOTES:

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2. KEEP CONCRETE CLEAR OF JOINT AND ACCESSORIES.
3. THE REQUIRED THRUST BEARING AREAS FOR SPECIAL CONNECTIONS ARE SHOWN ENCIRCLED ON THE PLANS; e.g. (15) INDICATES 15 SQUARE FEET BEARING AREA REQUIRED.
4. IF NOT SHOWN ON PLANS REQUIRED BEARING AREAS AT FITTING SHALL BE AS PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS(ES) STATED IN THE SPECIAL SPECIFICATIONS.
5. BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.

BEARING AREA OF THRUST BLOCKS IN SQ. FT.

FITTING SIZE	TEE, WYE PLUG OR CAP	90°BEND PLUGGED CROSS	TEE PLUGGED ON RUN A_1	TEE PLUGGED ON RUN A_2	45°BEND	22.5°BEND	11.5°BEND
4	1.0	1.4	1.9	1.4	1.0		
6	2.1	3.0	4.3	3.0	1.6	1.0	
8	3.8	5.3	7.6	5.4	2.9	1.5	1.0
10	5.9	8.4	11.8	8.4	4.6	2.4	1.2
12	8.5	12.0	17.0	12.0	6.6	3.4	1.7
14	11.5	16.3	23.0	16.3	8.9	4.6	2.3
16	15.0	21.3	30.0	21.3	11.6	6.0	3.0
18	19.0	27.0	38.0	27.0	14.6	7.6	3.8
20	23.5	33.3	47.0	33.3	18.1	9.4	4.7
24	34.0	48.0	68.0	48.0	26.2	13.6	6.8

NOTE:

ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 150 psi AND AN ALLOWABLE SOIL BEARING STRESS OF 2,000 POUNDS PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE STANDARD PLAN TEMP–41.

CITY OF TUMWATER	DRAWN BY: SRJ	STD. PLAN NO. WA–07
STANDARD BLOCKING DETAIL SHEET 2 OF 2	CHECKED BY: JRN	DATE: 05–30–95

THRUST LOADS

THRUST AT FITTINGS IN POUNDS AT 200 POUNDS PER SQUARE INCH OF WATER PRESSURE

PIPE DIAMETER	90° BEND	45° BEND	22–1/2° BEND	11–1/4° BEND	DEAD END OR TEE
4"	3,600	2,000	1,000	500	2,600
6"	8,000	4,400	2,300	1,200	5,700
8"	14,300	7,700	4,000	2,000	10,100
10"	22,300	12,100	6,200	3,100	15,800
12"	32,000	17,400	8,900	4,500	22,700
14"	43,600	23,600	12,100	6,100	30,800
16"	57,000	30,800	15,700	7,900	40,300

NOTES:

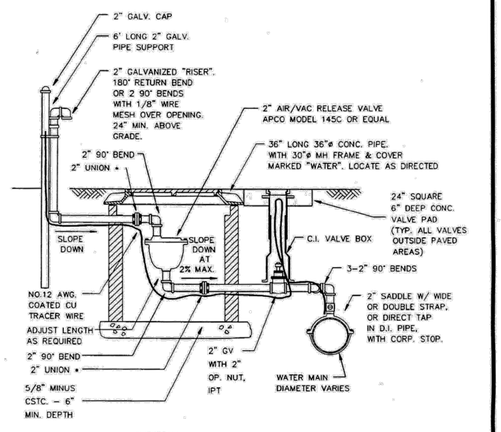
1. BLOCKING SHALL BE CEMENT CONCRETE CLASS "B" POURED IN PLACE AGAINST UNDISTURBED EARTH. FITTING SHALL BE ISOLATED FROM CONCRETE THRUST BLOCK WITH PLASTIC OR SIMILAR MATERIAL.
2. TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (S.F.):
   EXAMPLE : 12" – 90° BEND IN SAND AND GRAVEL
   32,000 LBS 3000 LB/S.F. = 10.7 S.F. OF AREA
3. AREAS MUST BE ADJUSTED FOR OTHER PIPE SIZE, PRESSURES AND SOIL CONDITIONS.
4. BLOCKING SHALL BE ADEQUATE TO WITHSTAND FULL TEST PRESSURE AS WELL AS TO CONTINUOUSLY WITHSTAND OPERATING PRESSURE UNDER ALL CONDITIONS OF SERVICE.

SAFE SOIL BEARING LOADS

FOR HORIZONTAL THRUSTS WHEN THE DEPTH OF COVER OVER THE PIPE EXCEEDS 2 FEET

SOIL	POUNDS PER SQUARE FOOT
MUCK, PEAT	0
SOFT CLAY	1,000
SAND	2,000
SAND & GRAVEL	3,000
SAND & GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

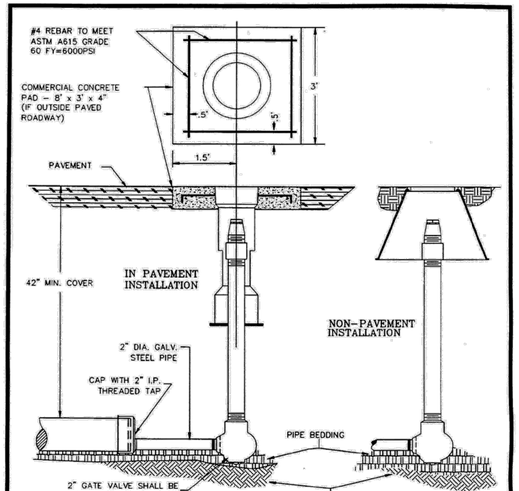
CITY OF TUMWATER	DRAWN BY: SRJ	STD. PLAN NO. WA–08
THRUST LOADS	CHECKED BY: JRN	DATE: 05–02–95



NOTES:

1) ALL PIPE TO BE SCHED. 40 GALV. (EXCEPT AS NOTED)
2) GROUT STRUCTURE AT PIPE ENTRIES.
3) FILL VAULT WITH VERMICULITE.
4) GROUT MH COVER TO PIPE.
5) FASTEN VENT TO POST WITH SS STRAP.
6) FASTEN SCREEN TO BEND W/ SS CLAMP
7) 2" UNIONS TO BE CONSTRUCTED OF TWO 2" COMPANION FLANGES. CONNECT WITH STAINLESS BOLTS.

CITY OF TUMWATER	DRAWN BY: SRJ	STD. PLAN NO. WA–10
AIR RELEASE VALVE DETAIL	CHECKED BY: JRN	DATE: 05–25–95



NOTES:

1. ON WATERMAINS WHICH WILL BE EXTENDED IN THE FUTURE, THE VALVE WHICH OPERATES THE BLOWOFF ASSEMBLY SHALL BE THE SAME SIZE AND PROVIDED WITH A CONCRETE THRUST BLOCK.
2. THESE ASSEMPLIES COMPLY WITH THE #2000 SPECS AND DETAILS MANUFACTURED BY KUPFERLE FOUNDRY.

CITY OF TUMWATER	DRAWN BY: SRJ	STD. PLAN NO. WA–11
2" BLOWOFF ASSEMBLY	CHECKED BY: JRN	DATE: 05–30–95

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-WT-03

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49170 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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PROJECT NAME:
CITY OF TUMWATER

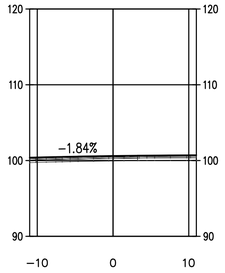
DESCHUTES VALLEY TRAIL
SEGMENT C

RECLAIMED WATER NOTES AND DETAILS

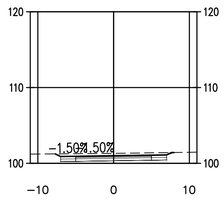
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SHEET No.: 67 OF 148

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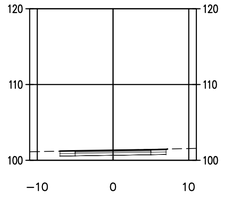
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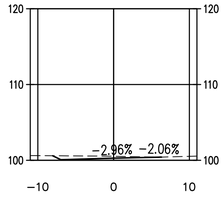
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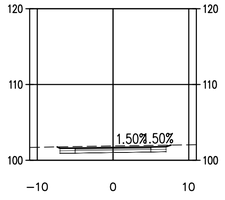
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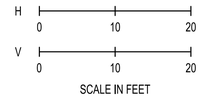


M 251+85.26



M 251+00.00





△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

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DESCHUTES VALLEY TRAIL
SEGMENT C

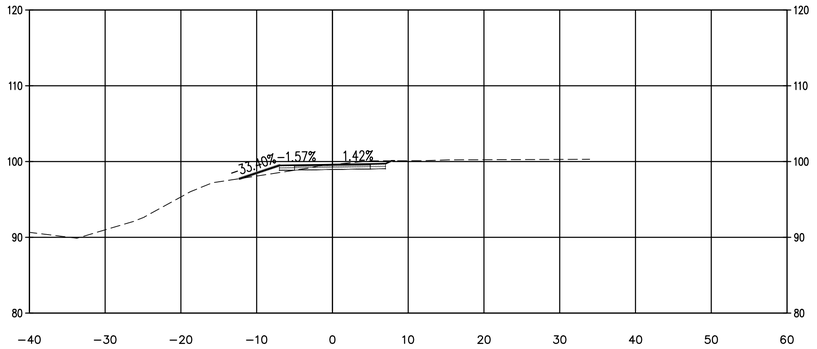
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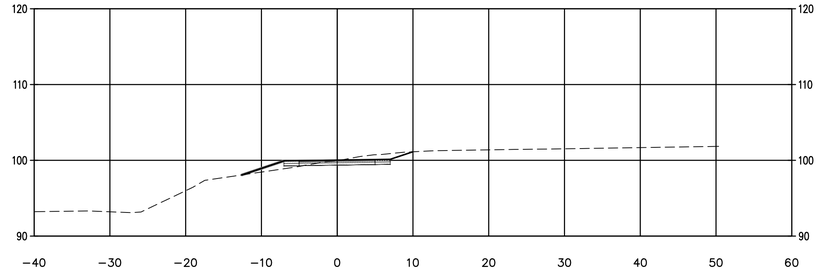
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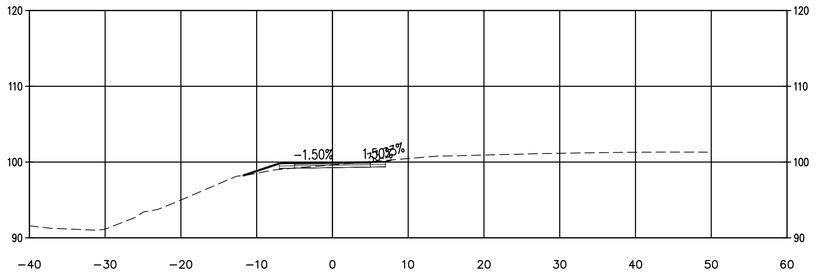


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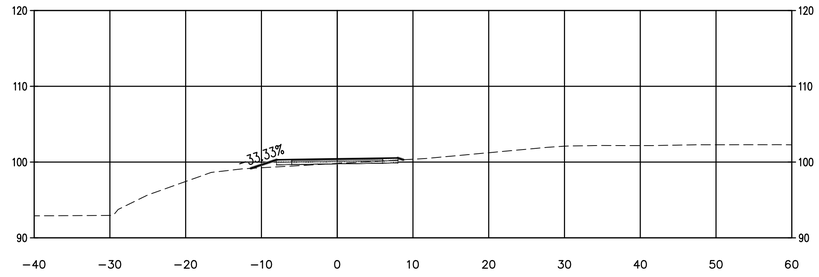


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SCALE IN FEET

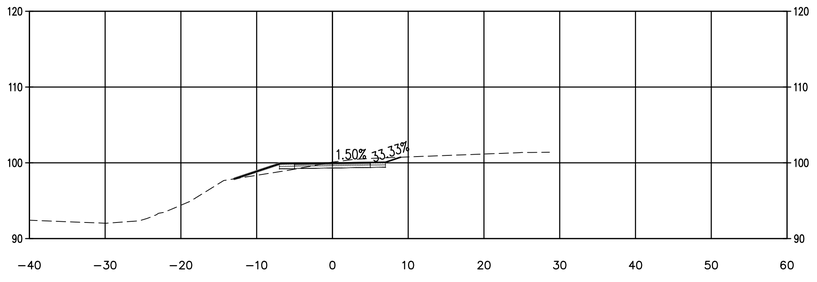
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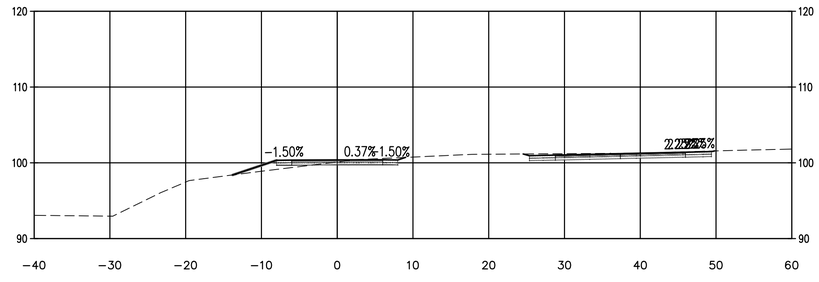
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Aug 20, 2026 - 3:20:37pm - User mishendricksmatsuda
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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

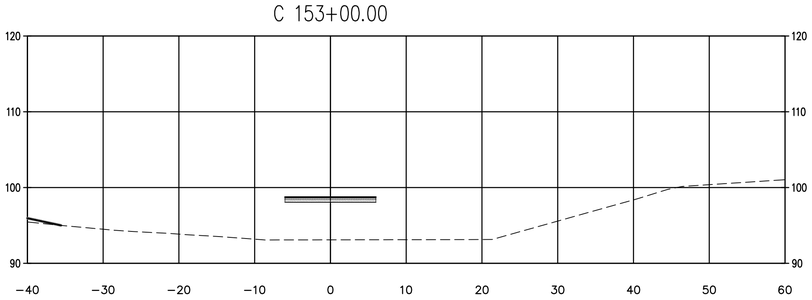
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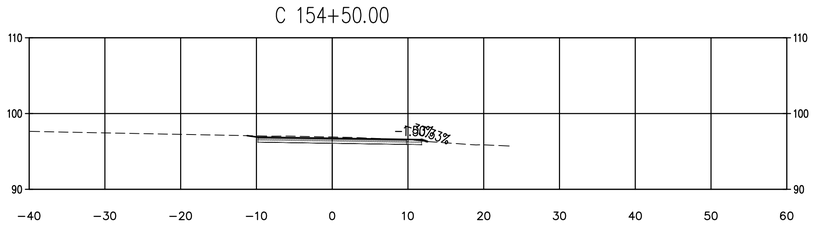
DESCHUTES VALLEY TRAIL
SEGMENT C

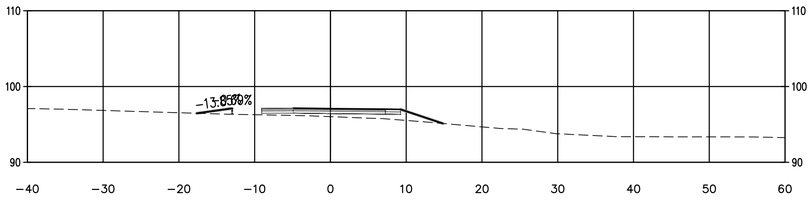
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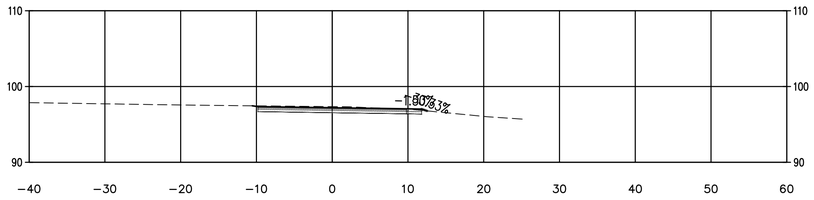
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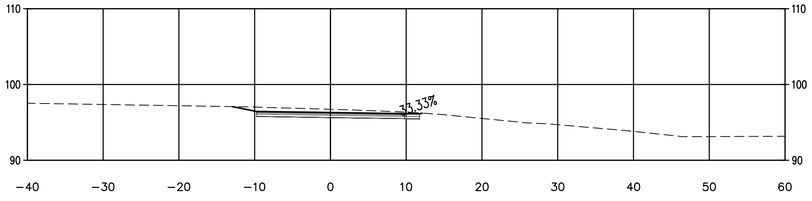
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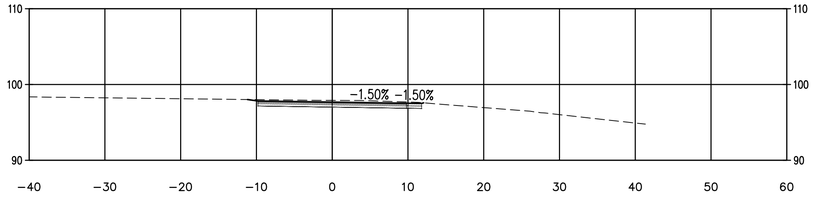


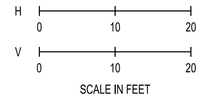












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DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

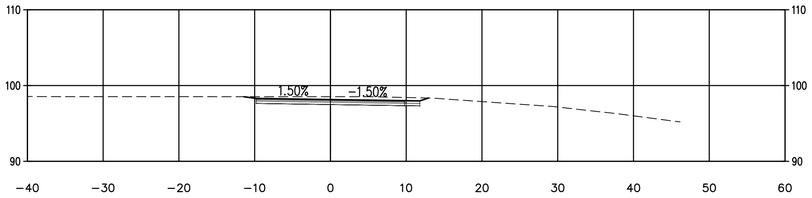
DESCHUTES VALLEY TRAIL
SEGMENT C

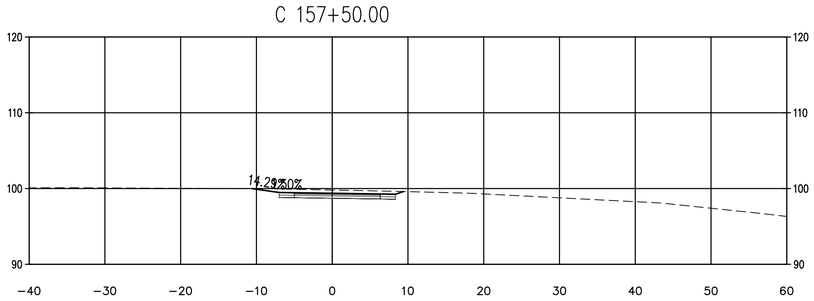
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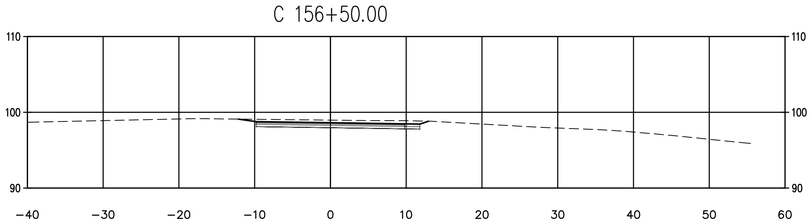
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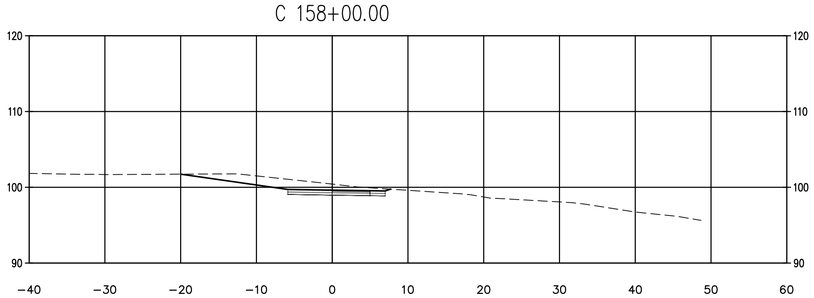
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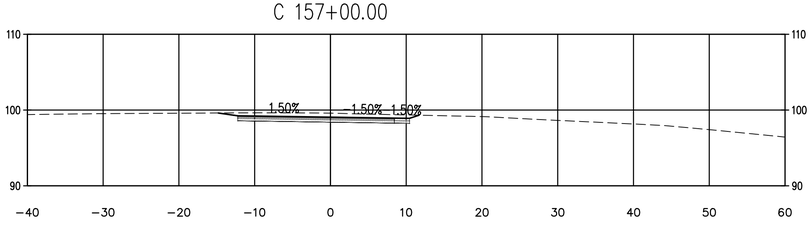
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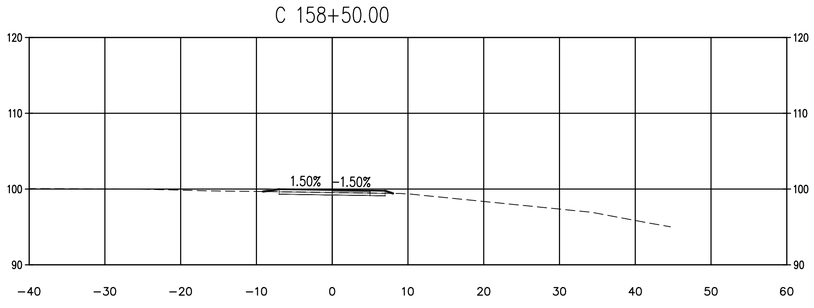












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SCALE IN FEET

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

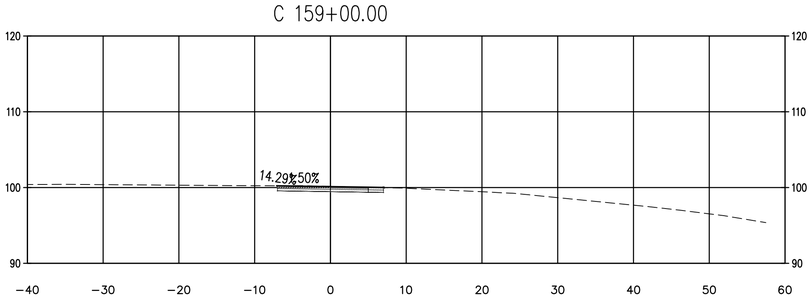
PROJECT NAME:
CITY OF TUMWATER

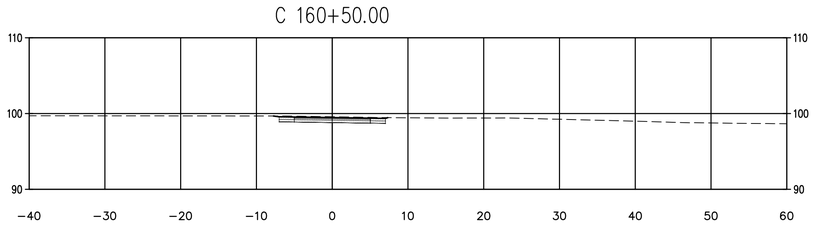
DESCHUTES VALLEY TRAIL
SEGMENT C

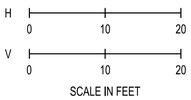
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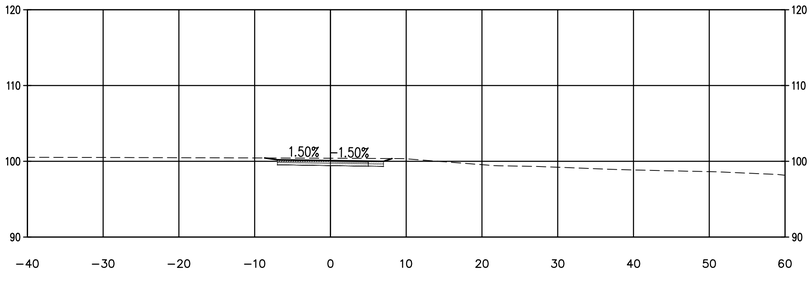
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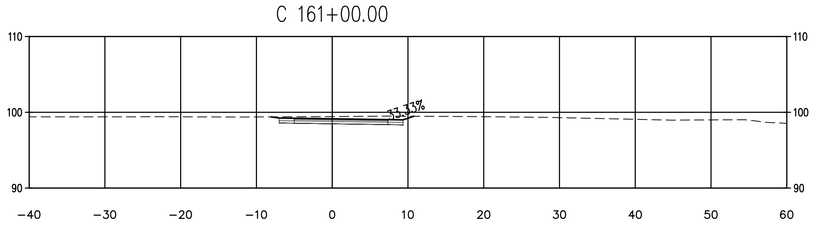
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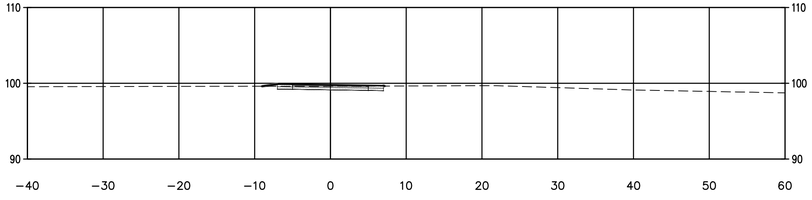


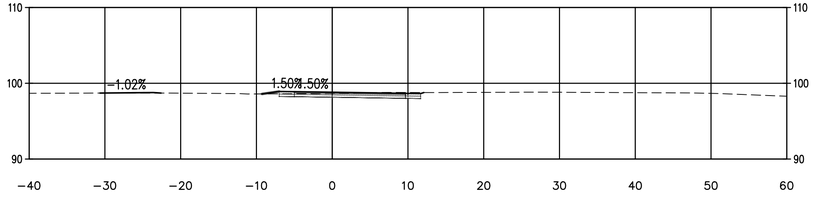












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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

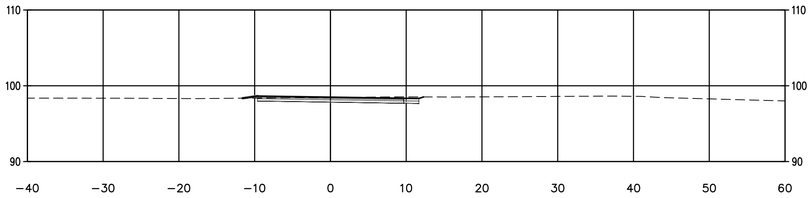
DESCHUTES VALLEY TRAIL
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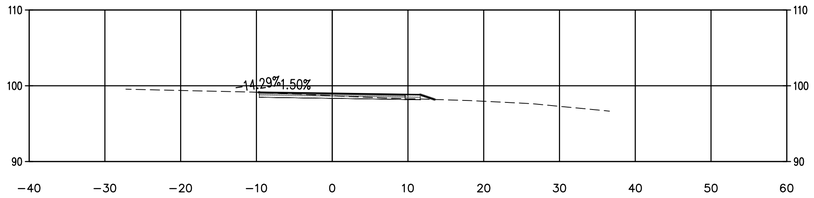
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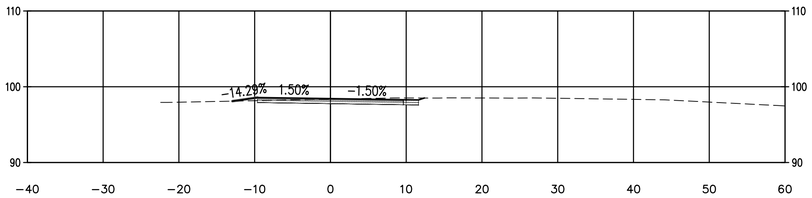


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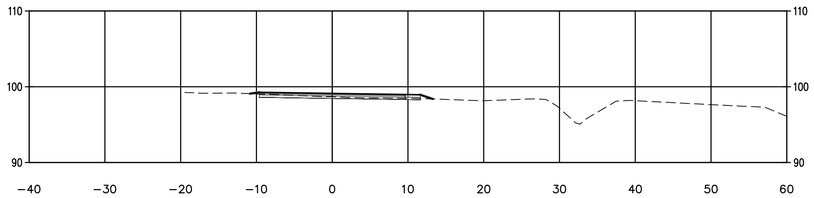


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SCALE IN FEET

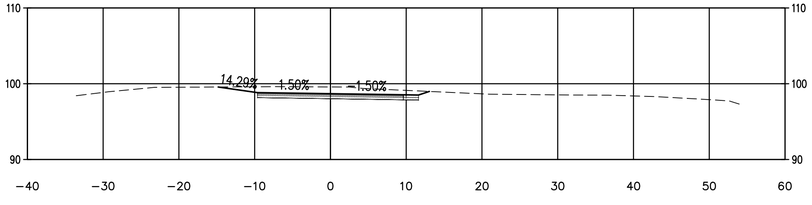
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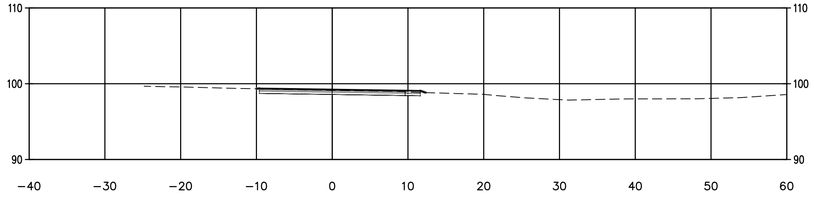
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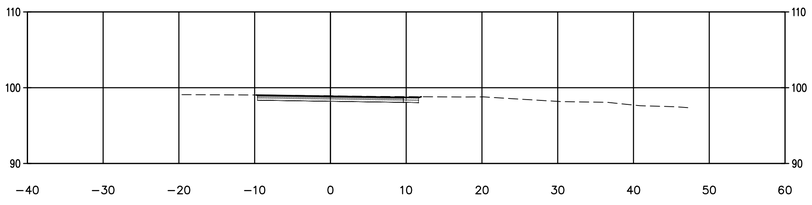
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C 165+00.00



C 163+50.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 19870 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

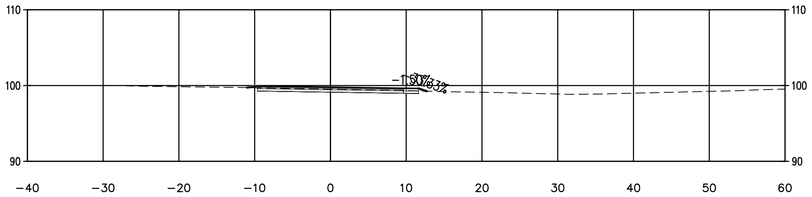
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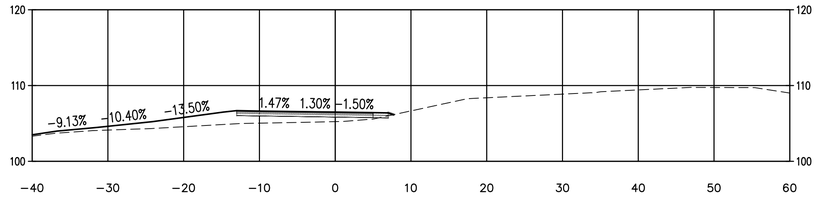
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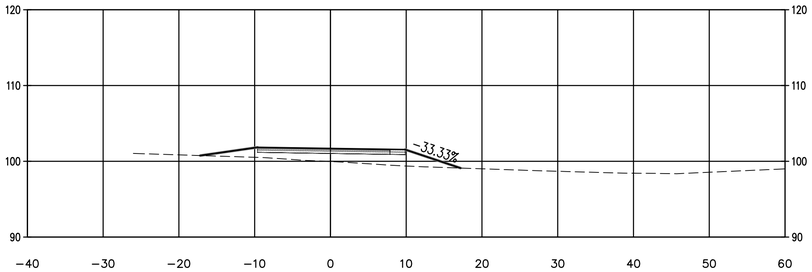


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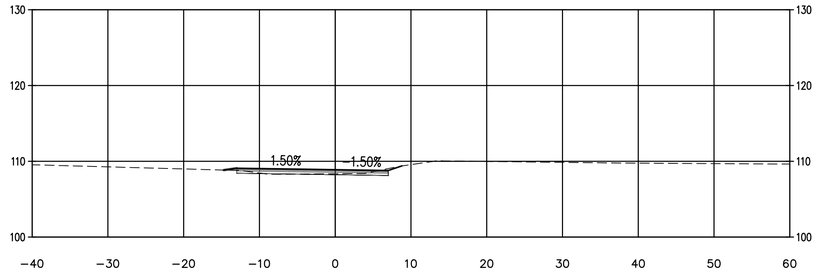


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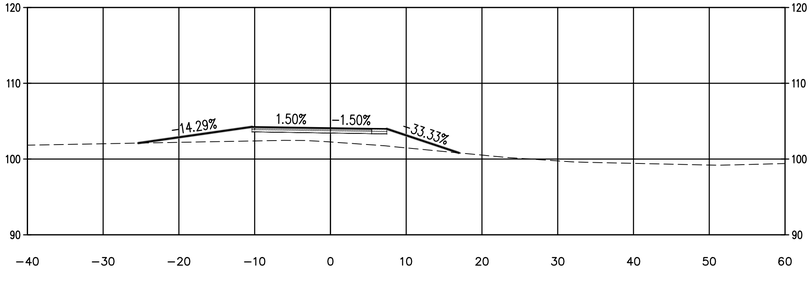
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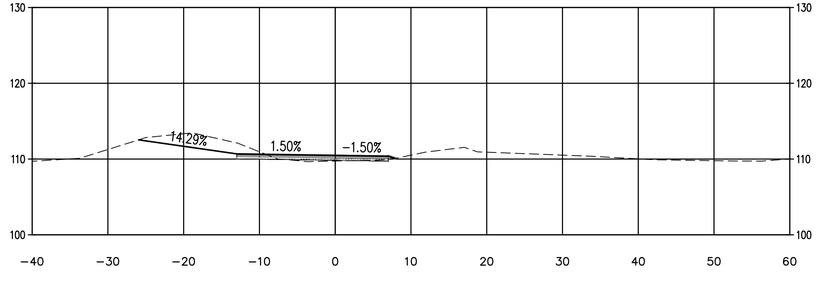
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C 168+00.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

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PROJECT NAME:

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DESCHUTES VALLEY TRAIL
SEGMENT C

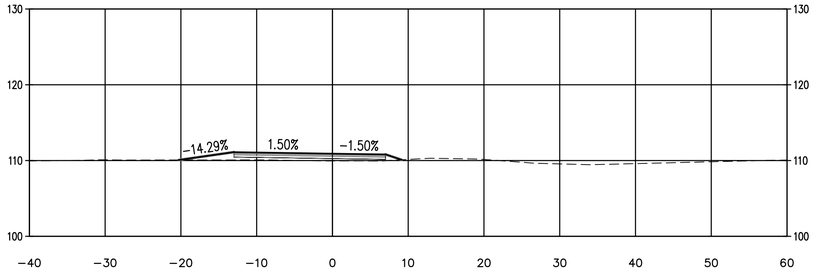
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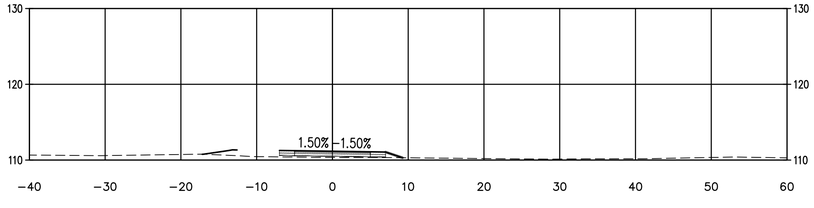
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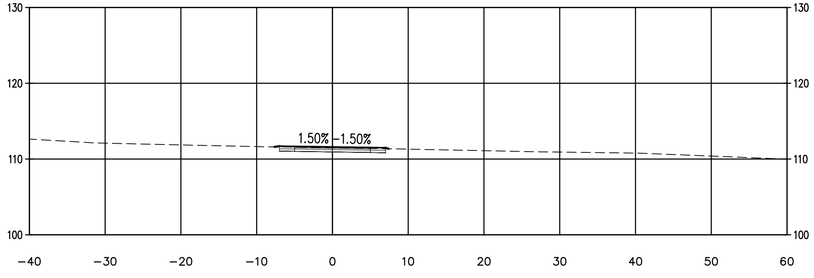
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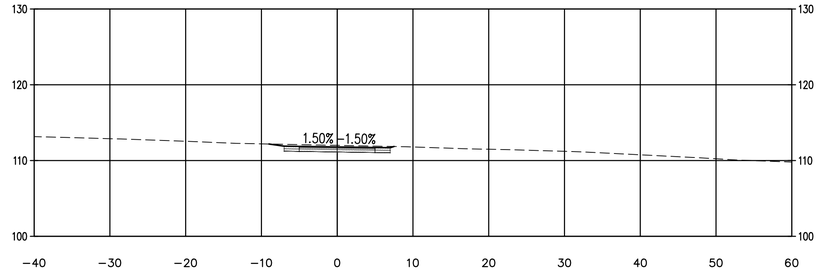
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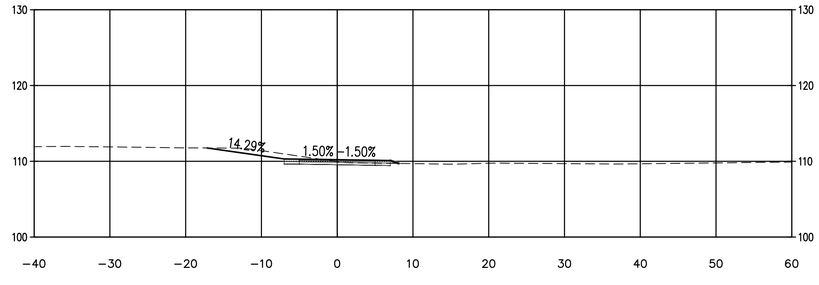
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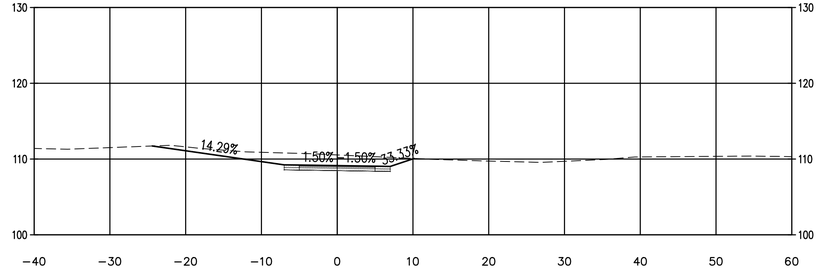
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C 170+50.00



C 171+00.00



H 0 10 20

V 0 10 20

SCALE IN FEET

Aug 20, 2026 - 3:21:02pm - User: mia.hendricksmatsuda
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD_25-000313-C-CS-01.DWG

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49670 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

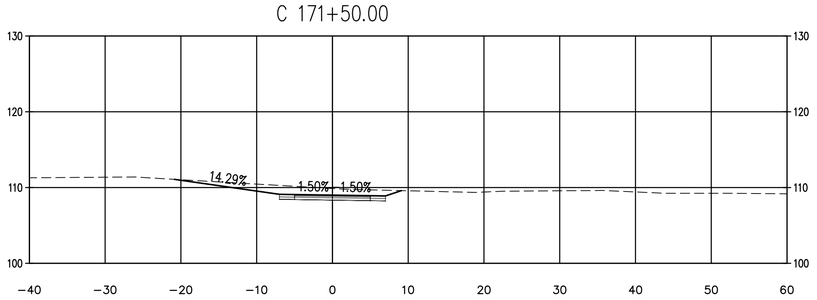
CITY OF TUMWATER

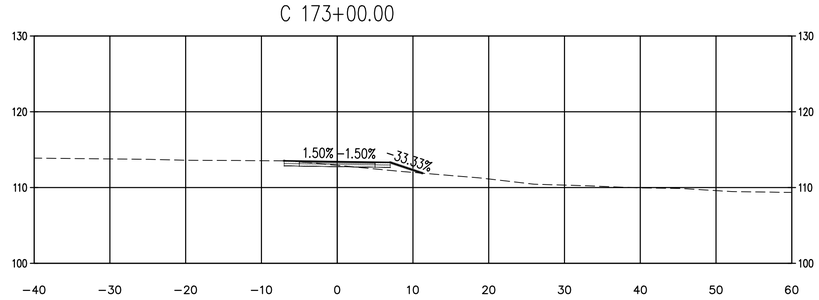
DESCHUTES VALLEY TRAIL
SEGMENT C

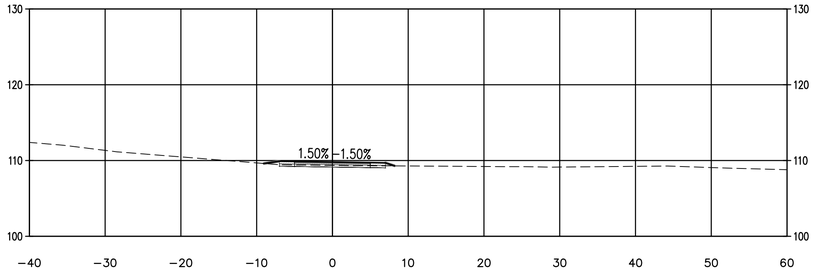
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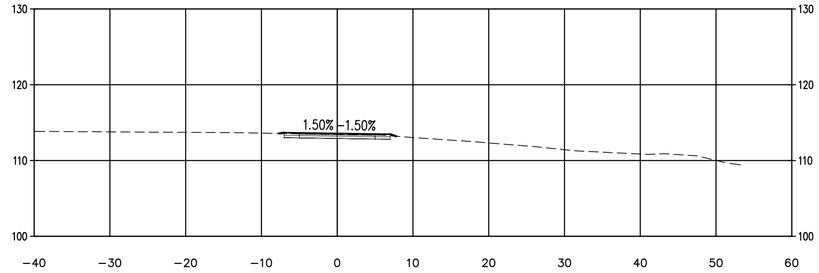
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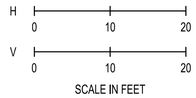
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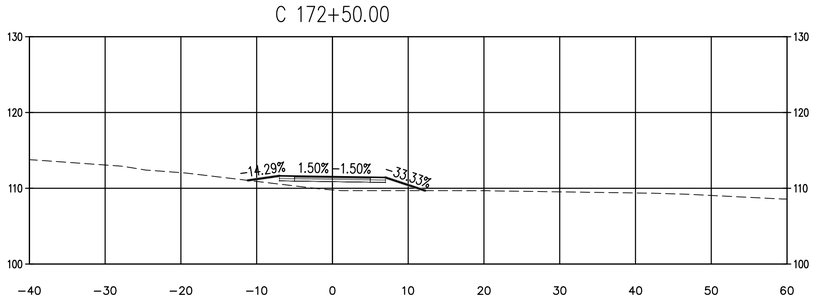


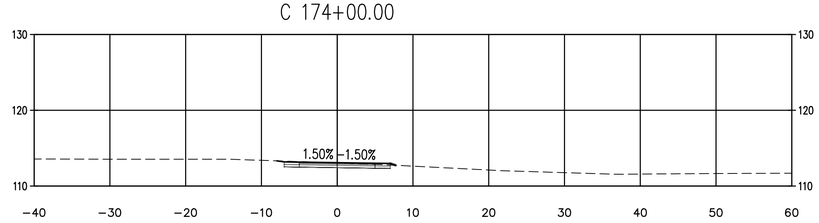












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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

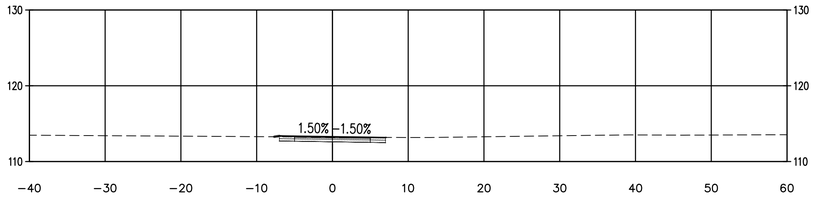
DESCHUTES VALLEY TRAIL
SEGMENT C

CROSS SECTION
C 171+50 - C 174+00

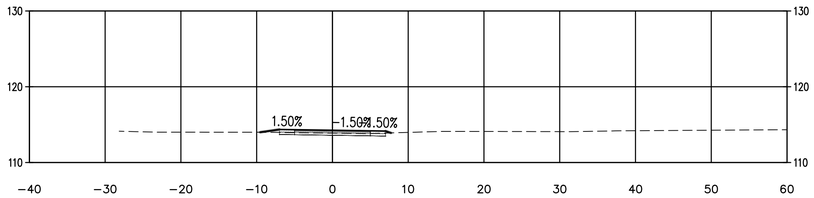
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SHEET No.: 76 OF 147

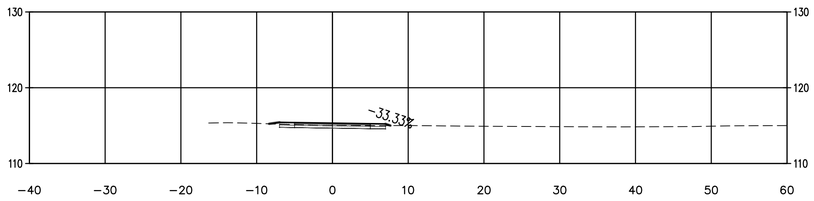
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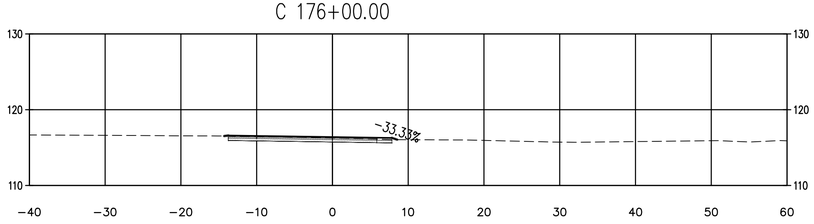
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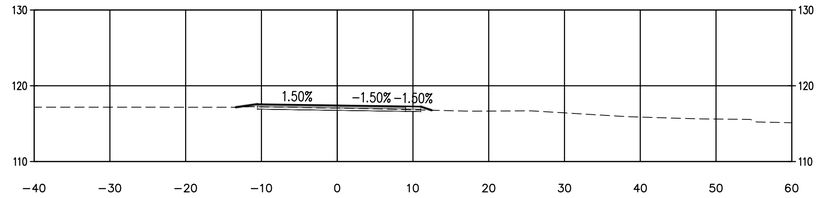
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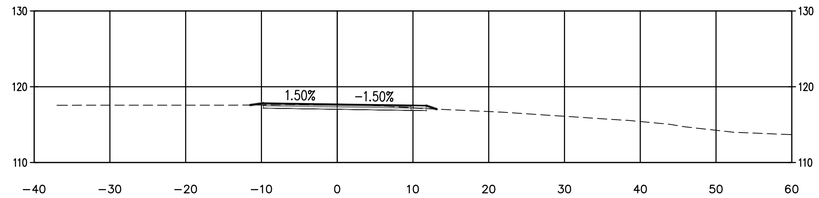
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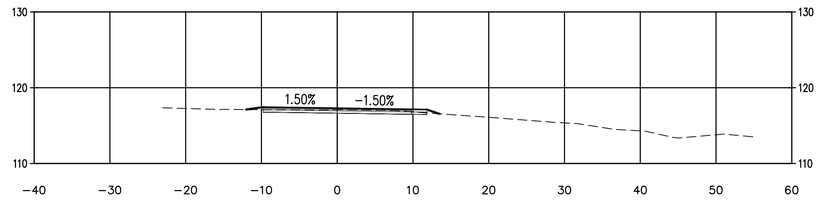
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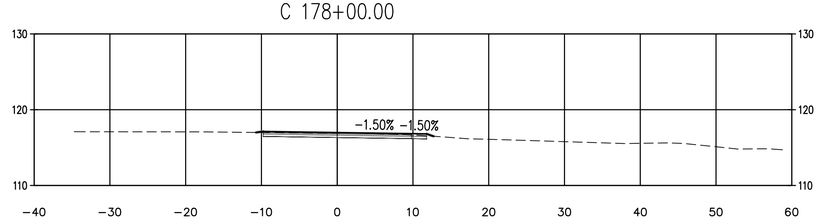
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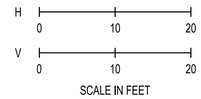


C 177+50.00



C 178+00.00





△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 19870 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

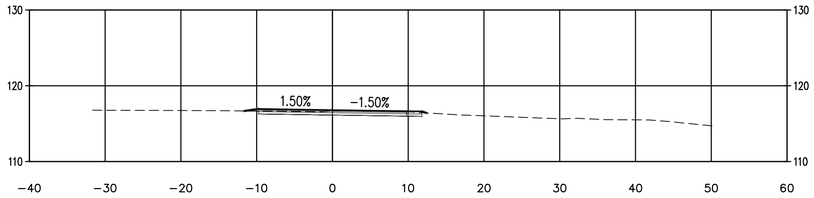
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DRAWING No.: CS-10

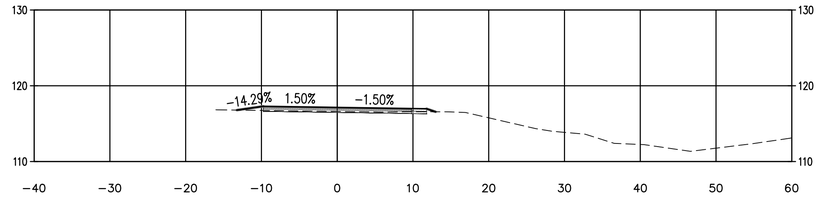
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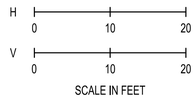
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C 178+50.00

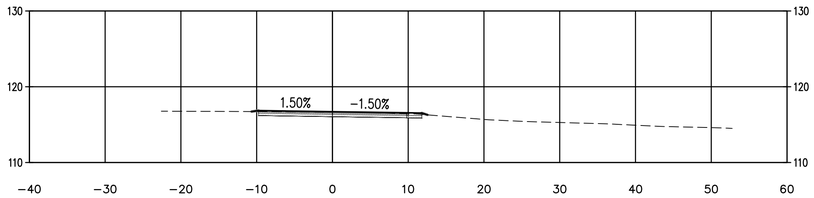


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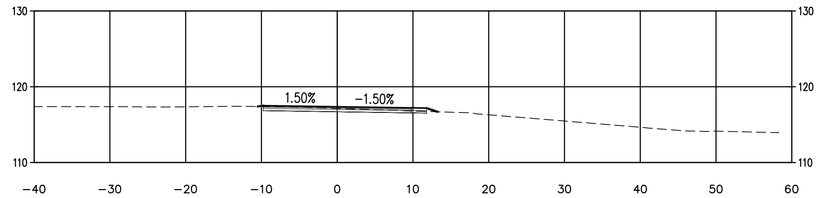




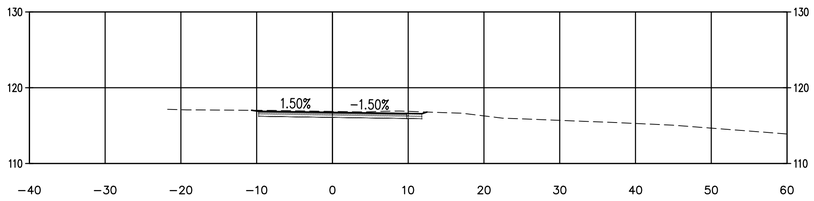
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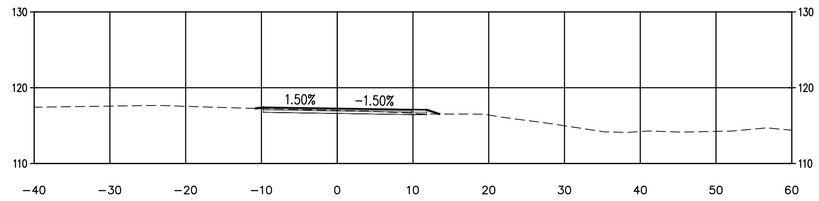
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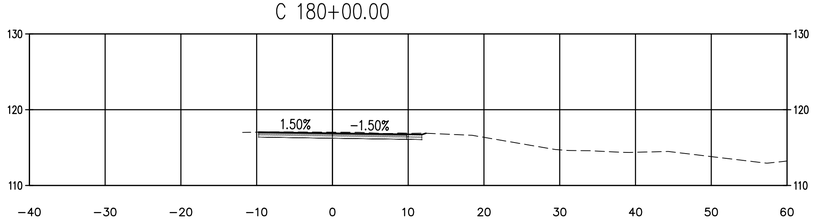
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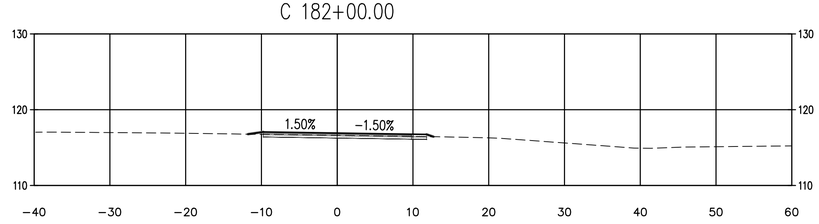
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C 180+00.00



C 182+00.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 19470 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

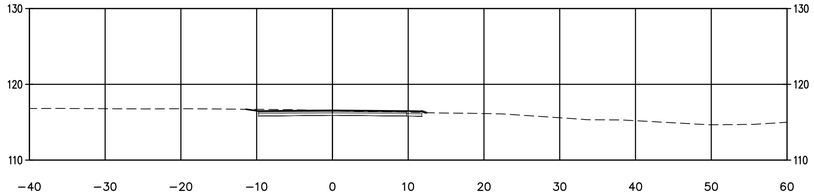
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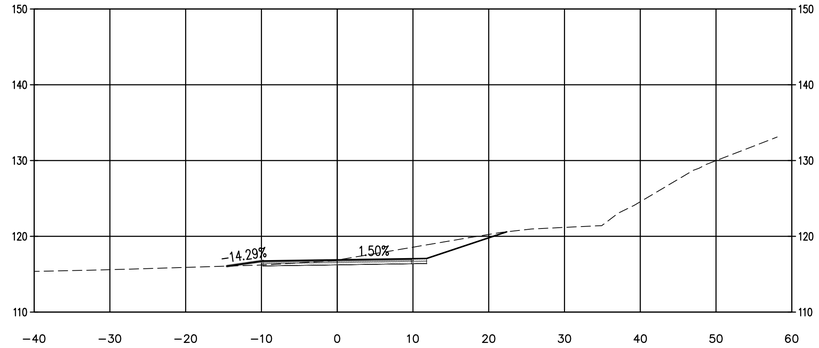
SHEET No.: 78 OF 147

Aug 20, 2026 3:21:14pm – User: michendricksmatsuda
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C 182+50.00



C 184+00.00

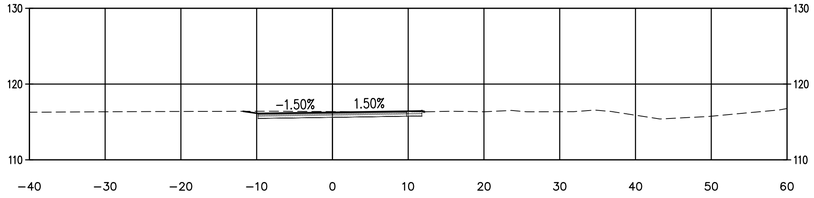


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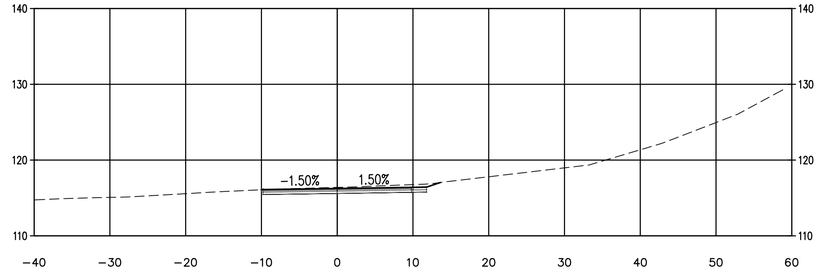
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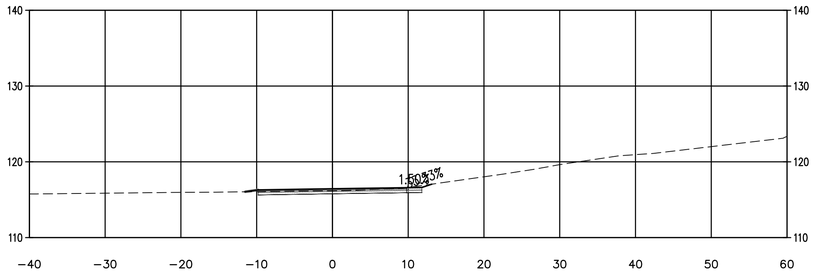
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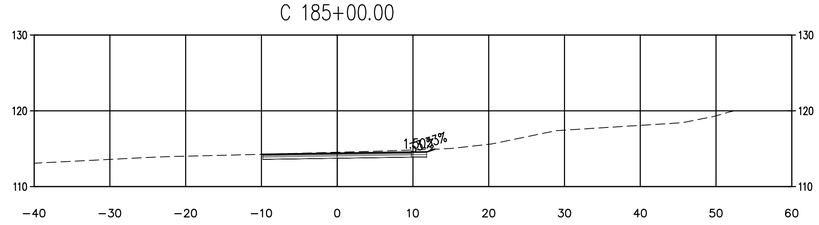
C 184+50.00



C 183+50.00



C 185+00.00



Aug 20, 2026 - 3:21:18pm - User: mia.hendricksmatsuda
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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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PROJECT NAME:

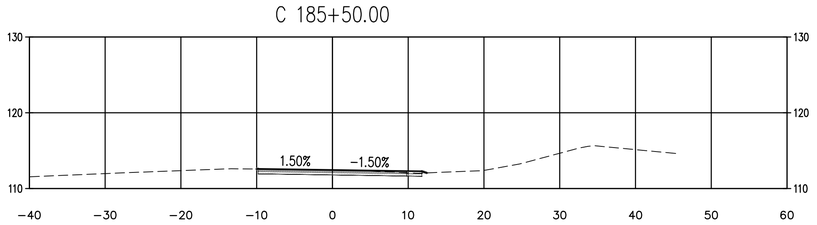
CITY OF TUMWATER

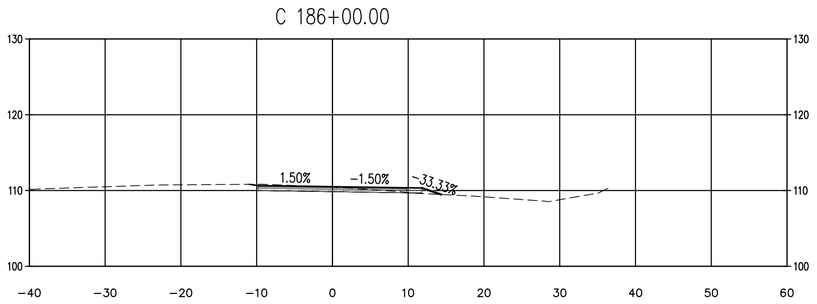
DESCHUTES VALLEY TRAIL
SEGMENT C

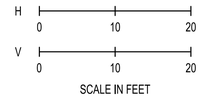
CROSS SECTION
C 182+50 - C 185+00

DRAWING No.: CS-12

SHEET No.: 79 OF 147







△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

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DESCHUTES VALLEY TRAIL
SEGMENT C

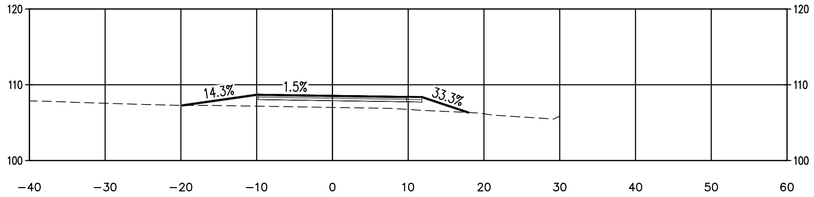
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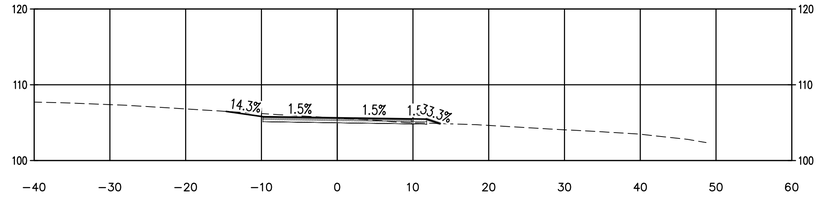
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Aug 20, 2026 3:21:22pm - User: mia.hendricksmatsuda
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C 186+50.00



C 188+00.00

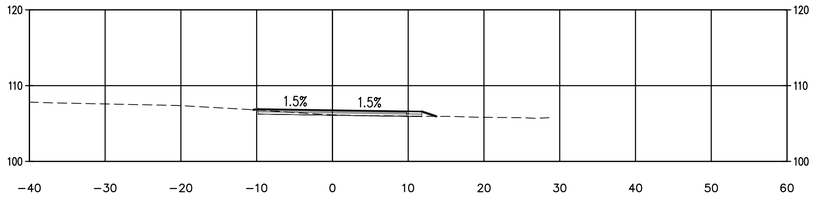


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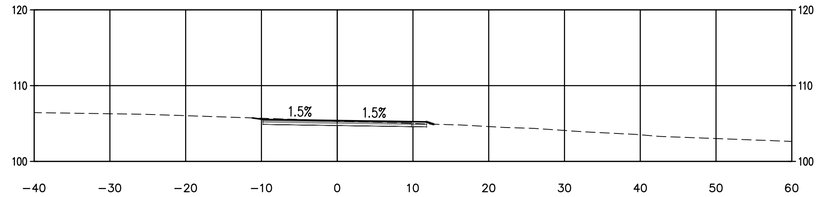
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SCALE IN FEET

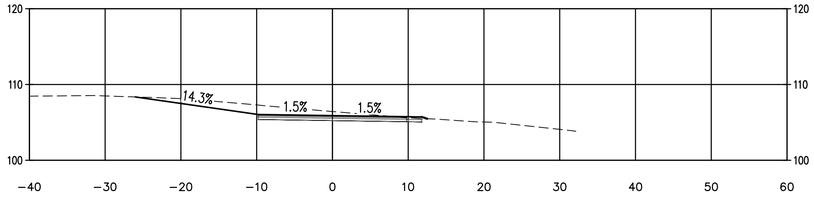
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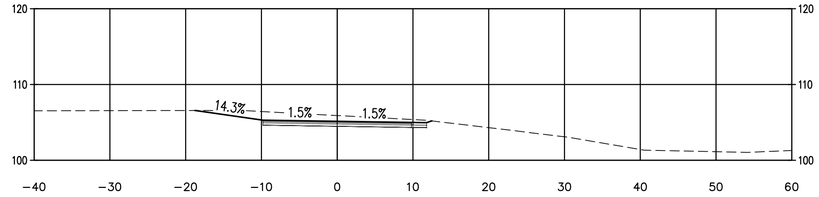
C 188+50.00



C 187+50.00



C 189+00.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-02

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49670 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

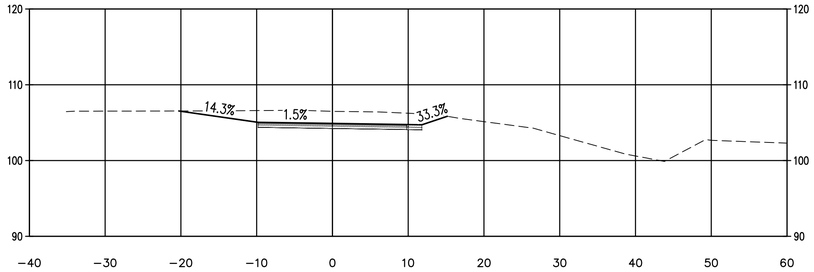
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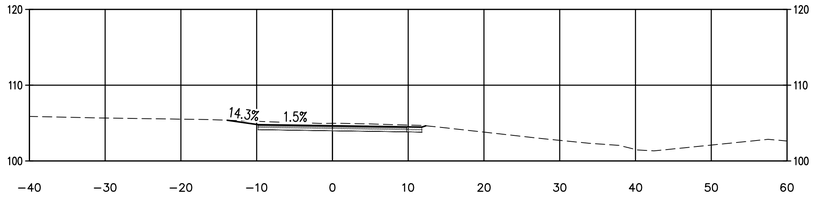
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Aug 20, 2026 3:21:26pm – User: mia.hendricksmatsuda
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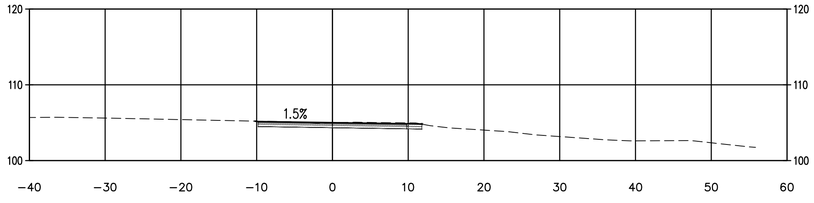
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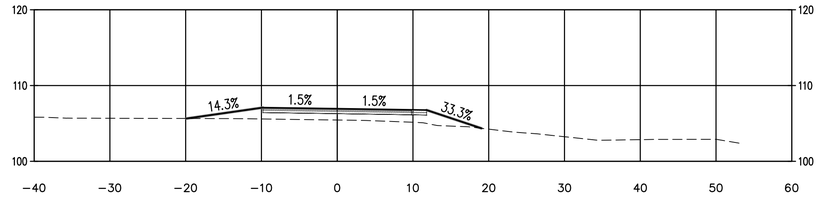
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C 190+50.00



C 191+00.00

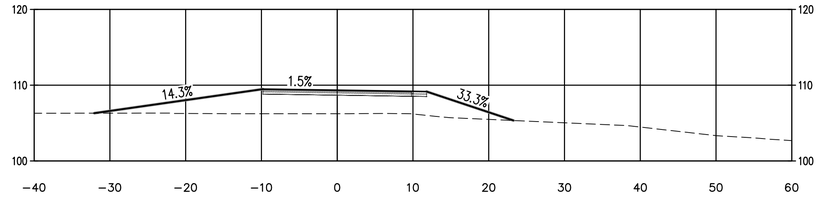


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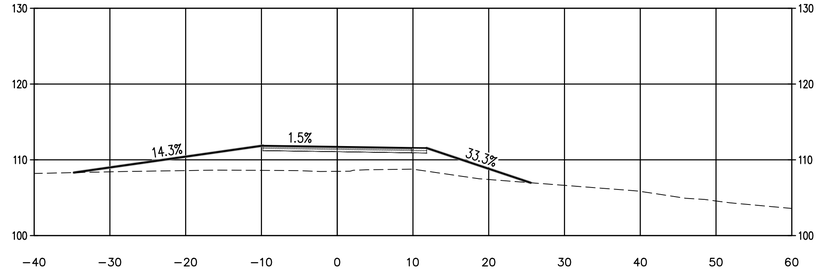
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SCALE IN FEET

C 191+50.00



C 192+00.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: _25-000313-C-CS-02

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SCJ ALLIANCE
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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

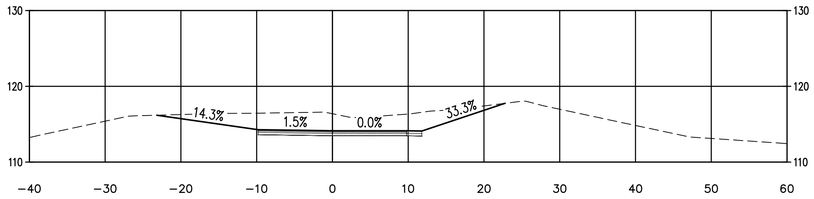
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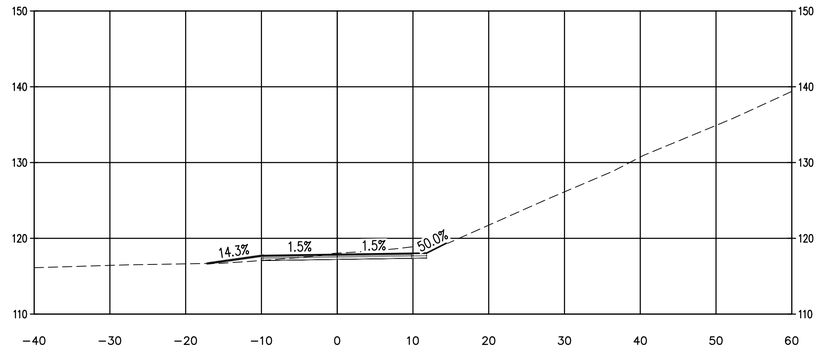
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Aug 20, 2026 3:21:29pm – User: mia.hendricksmatsuda
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C 192+50.00



C 193+50.00

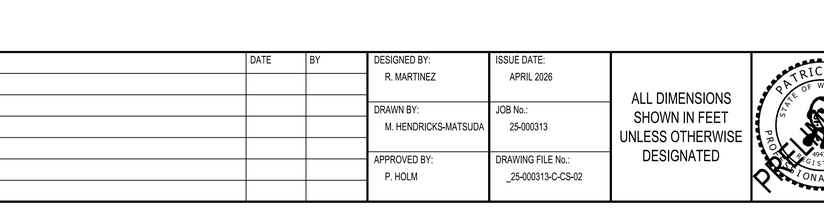


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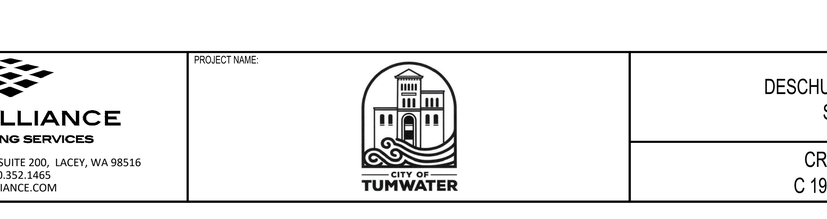
V 0 10 20

SCALE IN FEET

C 193+00.00



C 194+00.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: APRIL 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-02

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SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

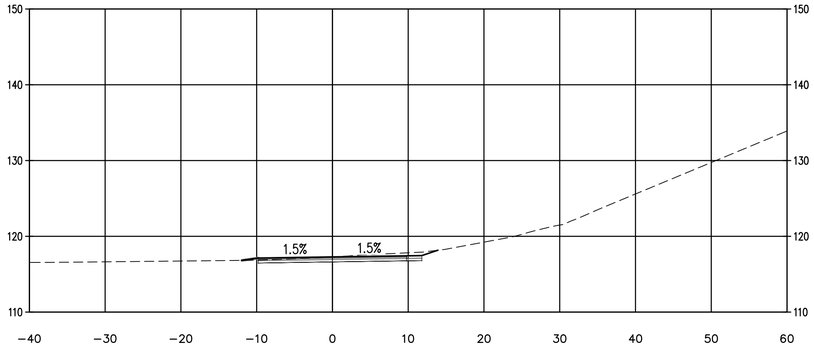
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DRAWING No.: CS-16

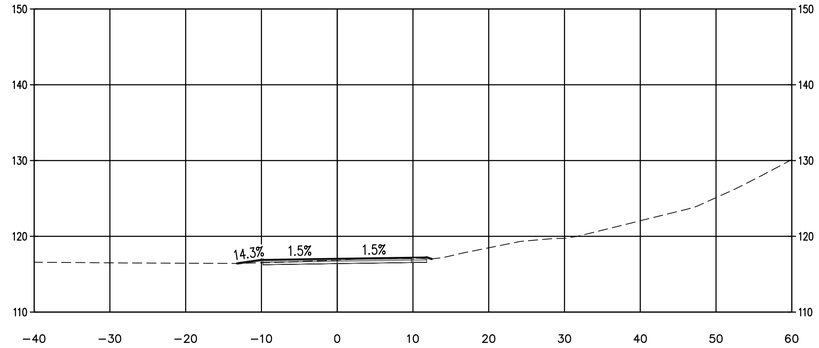
SHEET No.: 83 OF 147

Aug 20, 2026 - 3:21:33pm - User: mia.hendricksmatsuda
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C 194+50.00

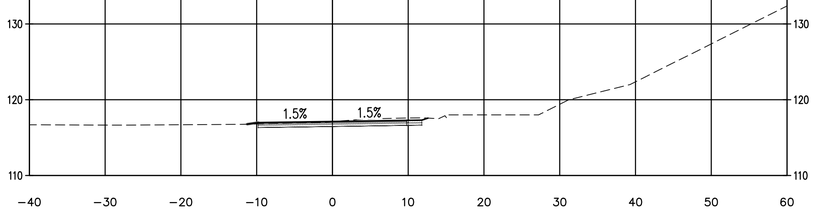


C 195+50.00

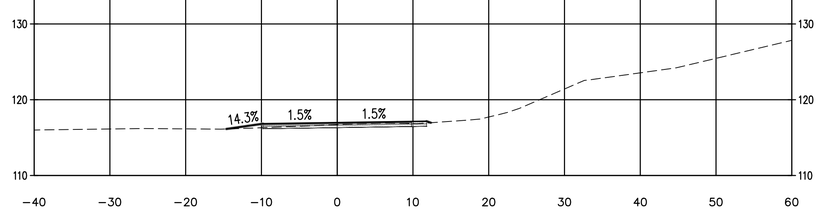


H
0 10 20
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SCALE IN FEET

C 195+00.00



C 196+00.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: APRIL 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-02

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:
CITY OF TUMWATER

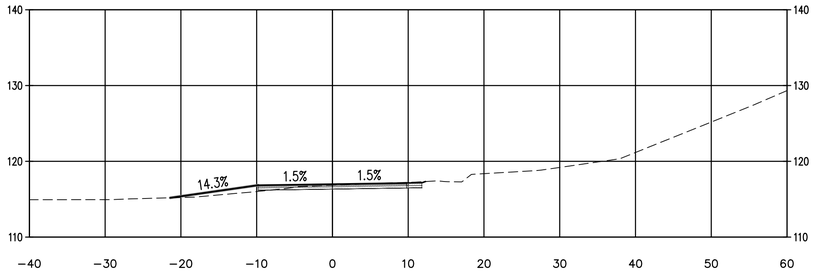
DESCHUTES VALLEY TRAIL
SEGMENT C

CROSS SECTION
C 194+50 - C 196+00

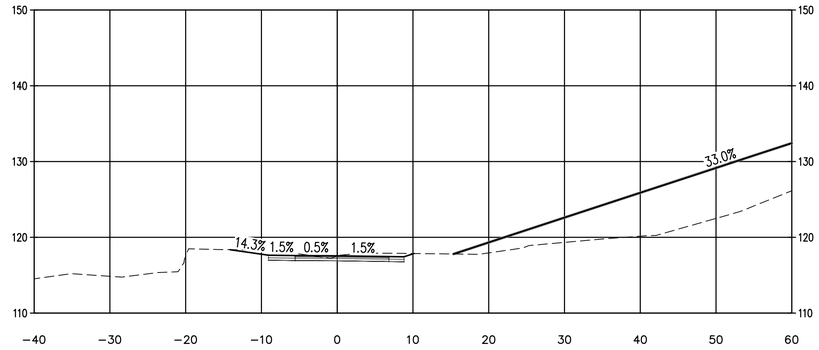
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SHEET No.: 84 OF 147

Aug 20, 2026 3:21:36pm – User: mia.hendricksmatsuda
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C 196+50.00



C 197+50.00

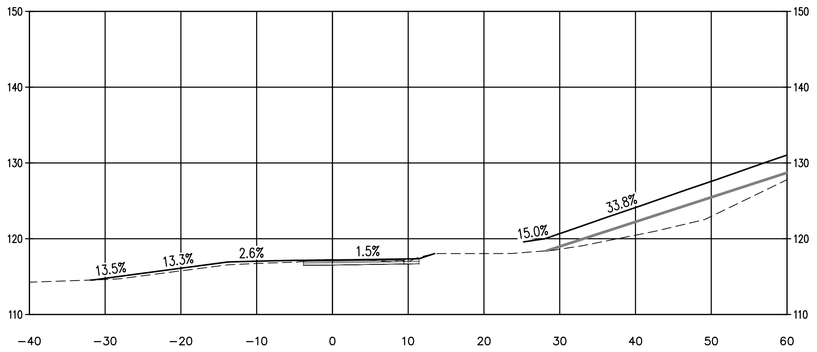


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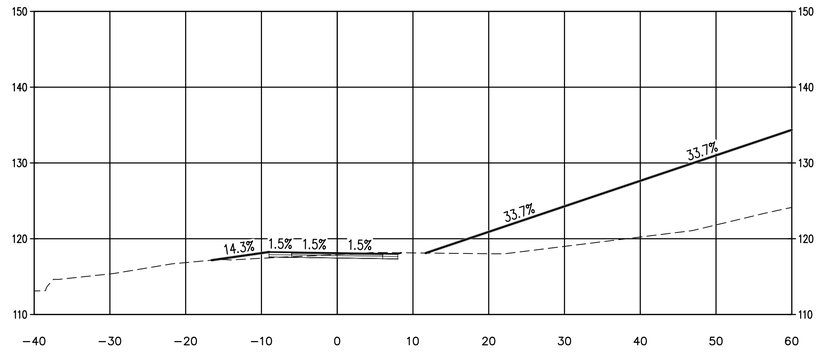
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SCALE IN FEET

C 197+00.00



C 198+00.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-02

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

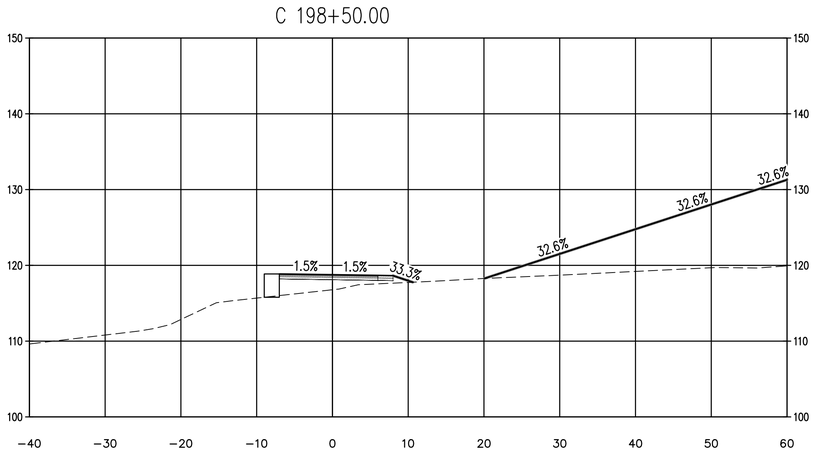
DESCHUTES VALLEY TRAIL
SEGMENT C

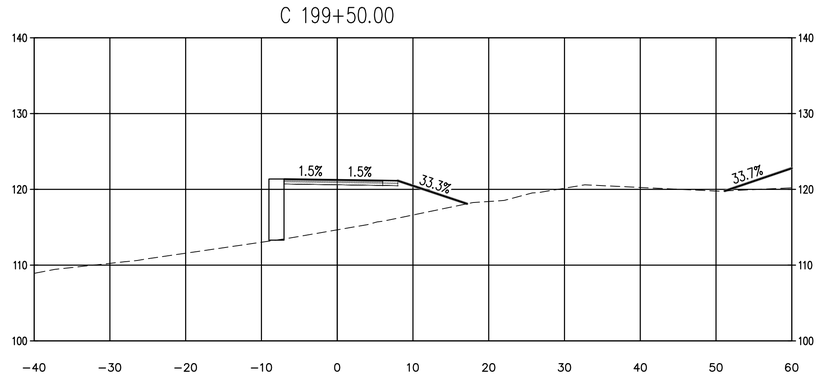
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C 196+50 - C 198+00

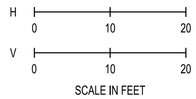
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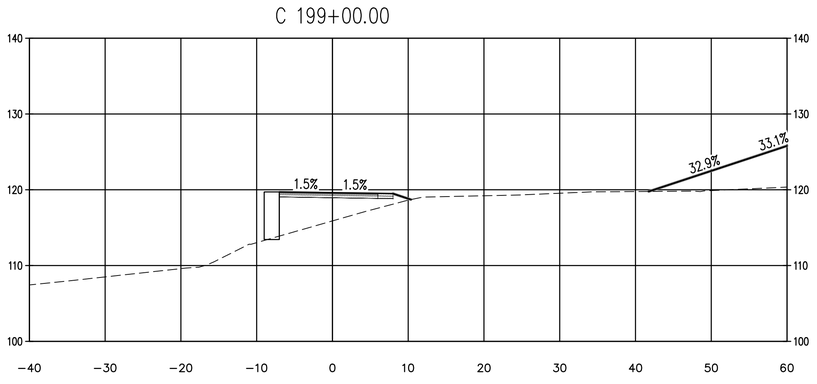
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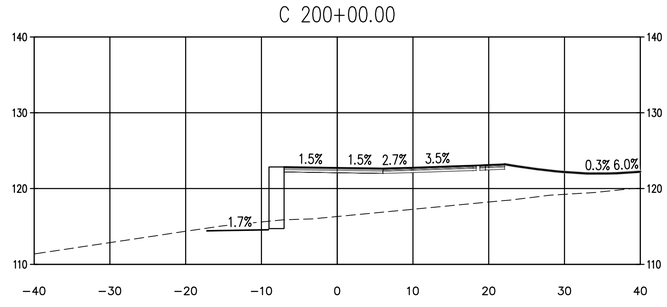
Aug 20, 2026 3:21:38pm – User: mike.hendricksmatsuda
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Aug 20, 2026 3:21:41pm – User: mis.hendricksmatsuda
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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-02

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PATRICK HOLM — STATE OF WASHINGTON — 49470 REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

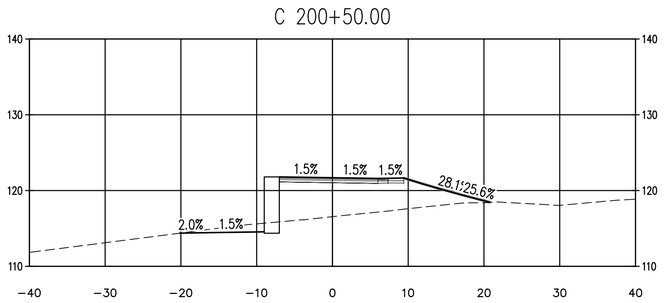
CITY OF TUMWATER

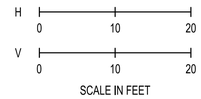
DESCHUTES VALLEY TRAIL
SEGMENT C

CROSS SECTION
C 198+50 - C 200+00

DRAWING No.: CS-19

SHEET No.: 86 OF 147





△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: APRIL 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-02

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

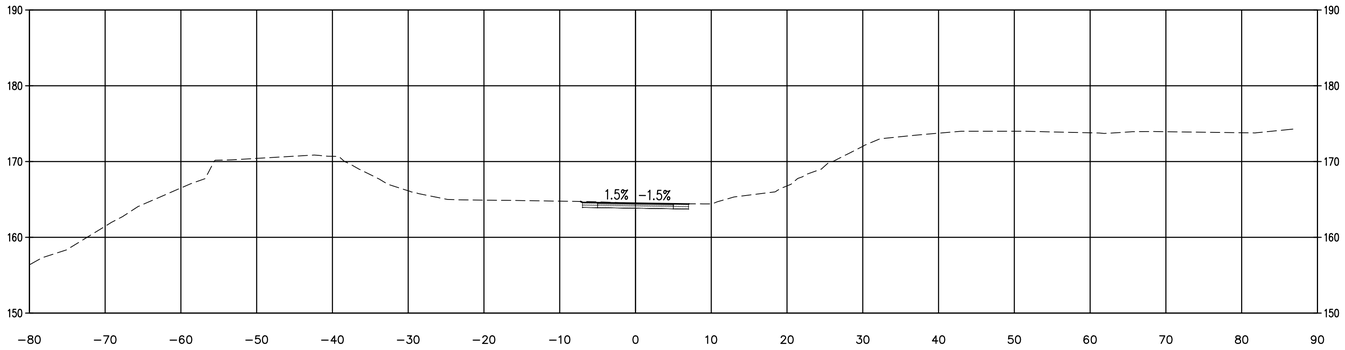
CROSS SECTION
C 200+50

DRAWING No.: CS-20

SHEET No.: 87 OF 147

Aug 20, 2026 3:21:45pm – User: mia.hendricksmatsuda
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T 300+09.18

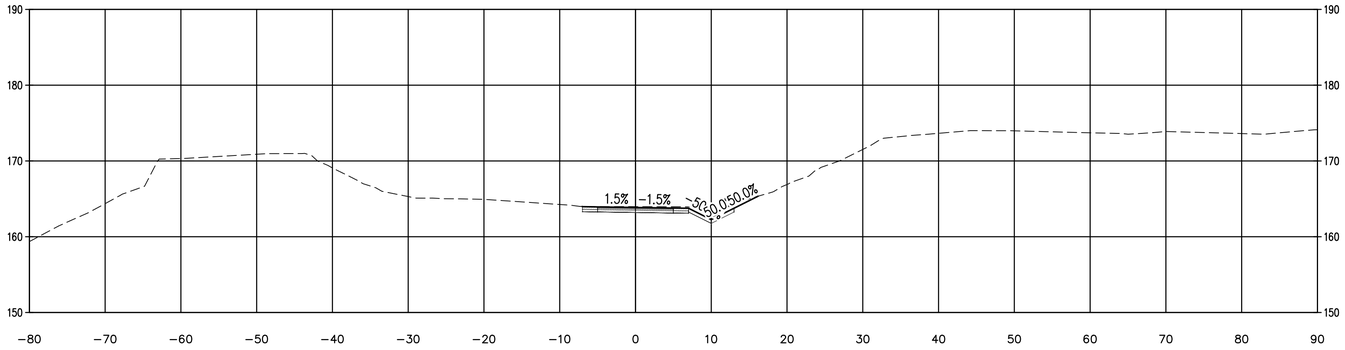


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SCALE IN FEET

T 300+25.00



	REVISIONS	DATE	BY
△			

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM

ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-03

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

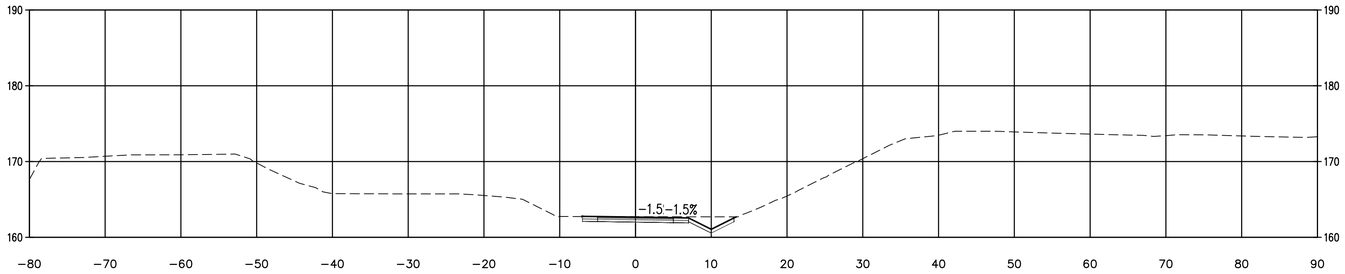
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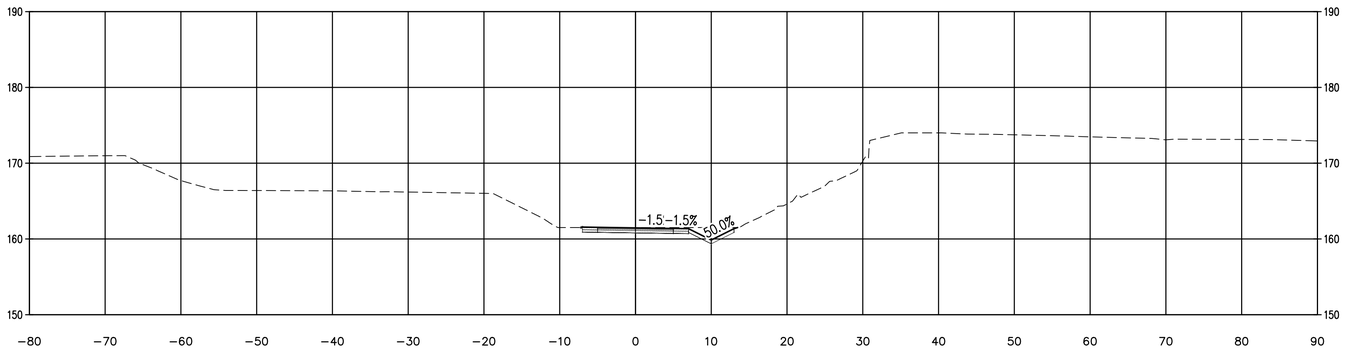
SHEET No.: 88 OF 148

Aug 20, 2026 3:22:37pm - User: mickendricksmatsuda
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T 300+50.00



T 300+75.00



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0 10 20

SCALE IN FEET

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-03

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

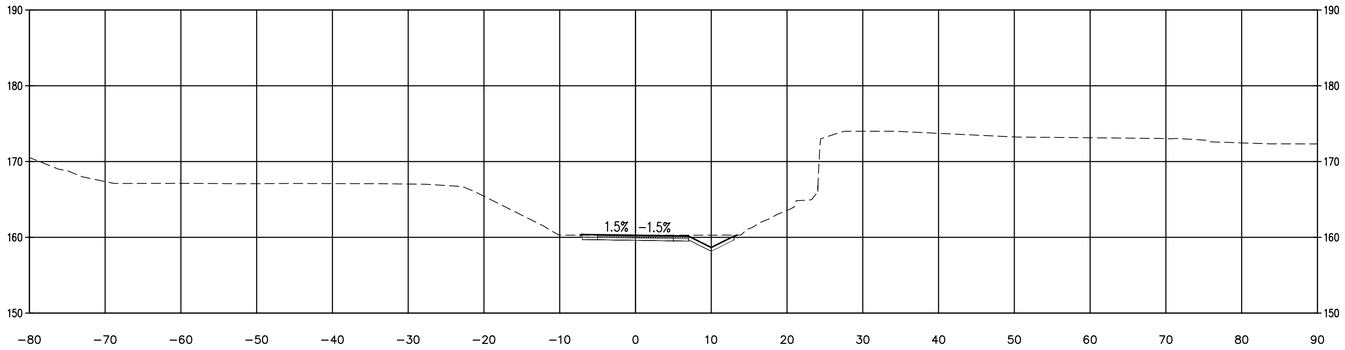
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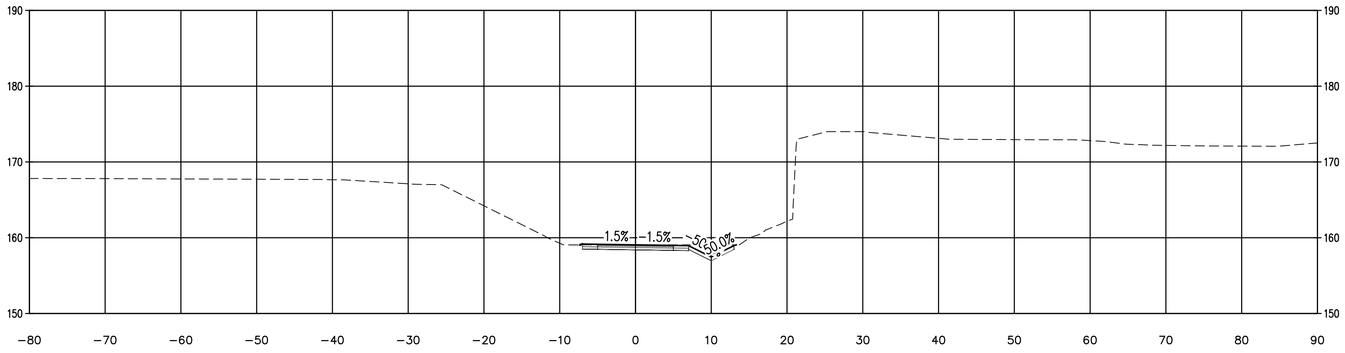
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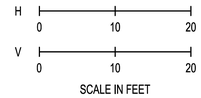
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T 301+00.00



T 301+25.00





△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-03

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:
CITY OF TUMWATER

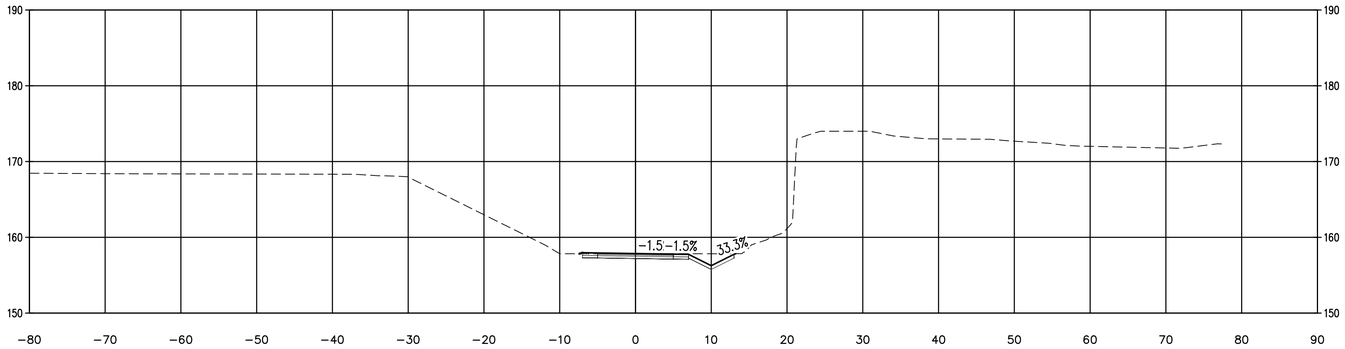
DESCHUTES VALLEY TRAIL
SEGMENT C

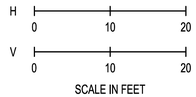
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SHEET No.: 90 OF 148

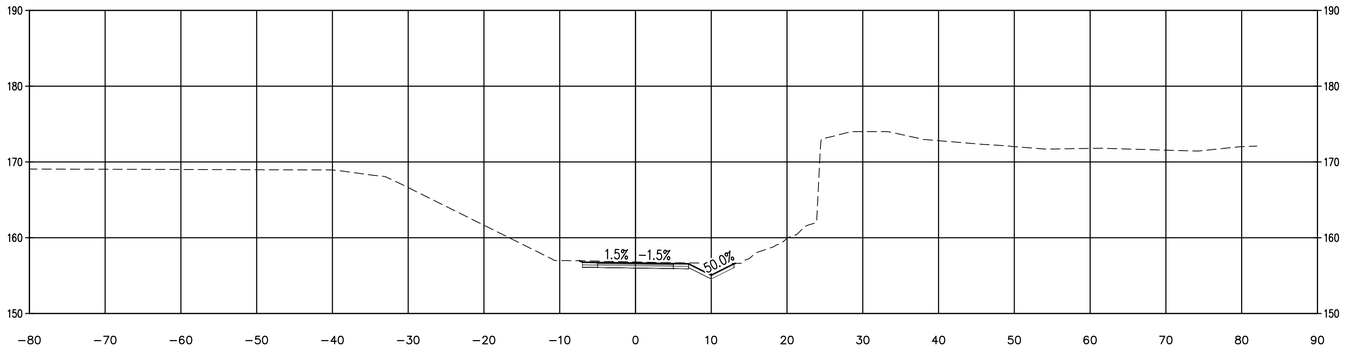
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T 301+50.00





T 301+75.00



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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-03

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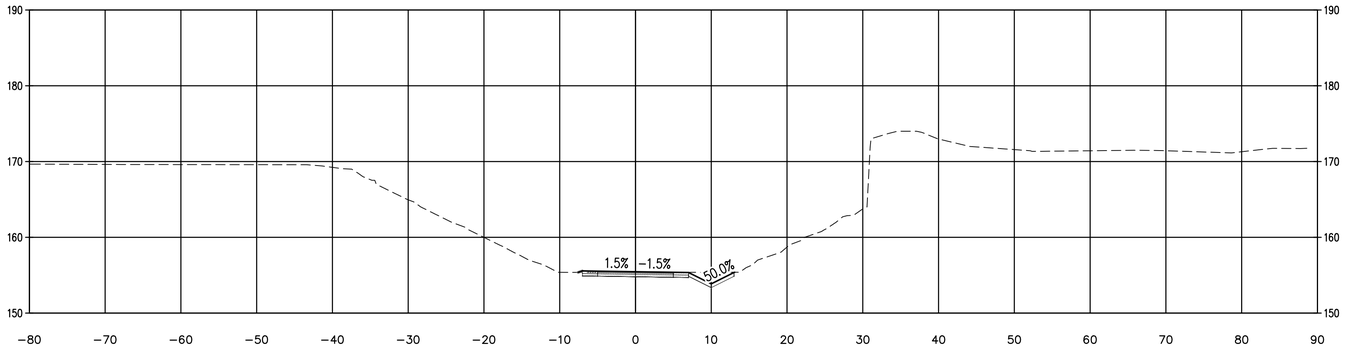
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

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SHEET No.: 91 OF 148

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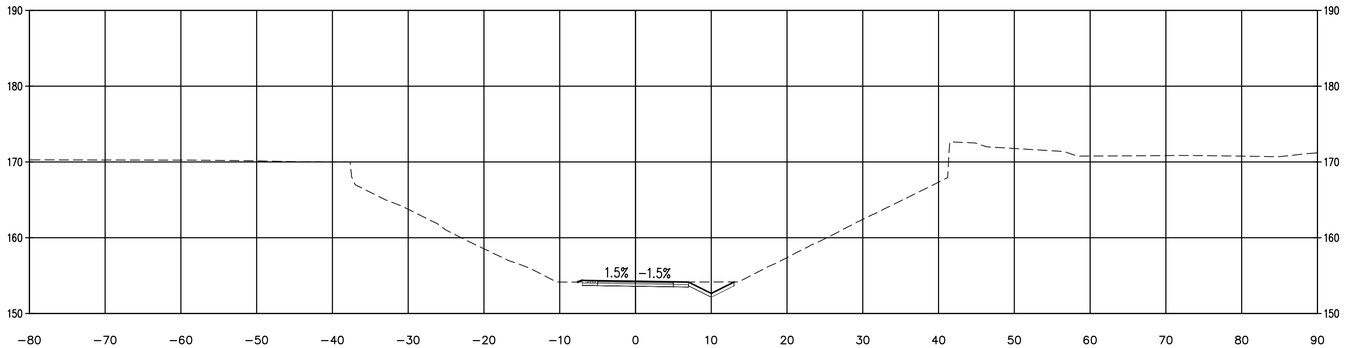


H 0 10 20

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SCALE IN FEET

T 302+25.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-03

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

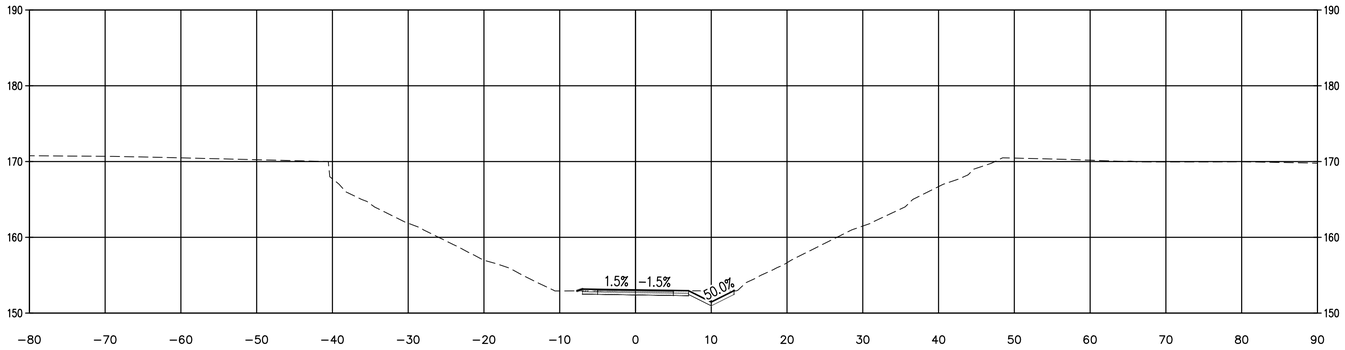
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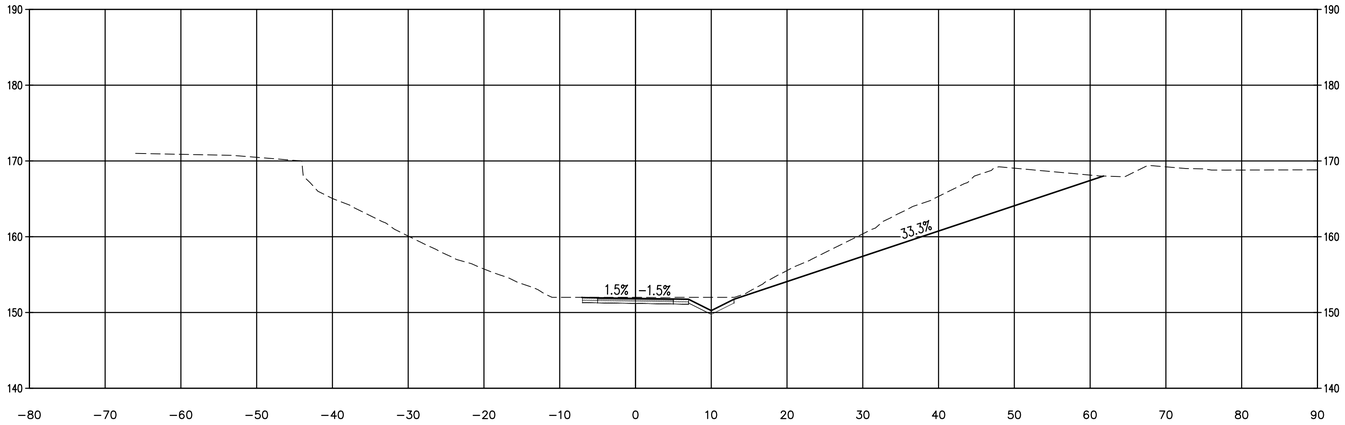
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T 302+50.00



T 302+75.00



H 0 10 20

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SCALE IN FEET

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM

ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-03

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

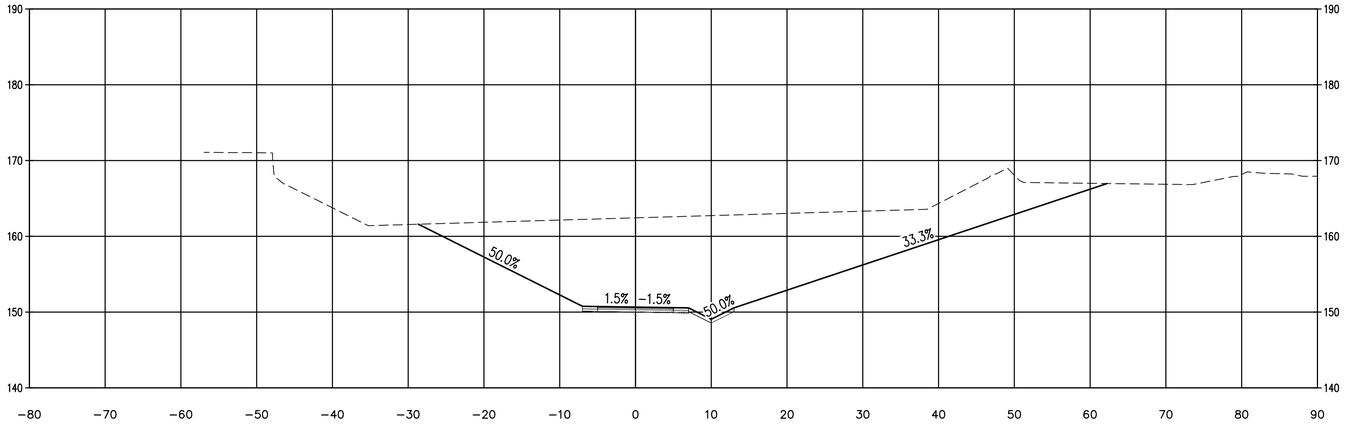
CROSS SECTION
T 302+50 - T 302+75

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SHEET No.: 93 OF 148

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T 303+00.00

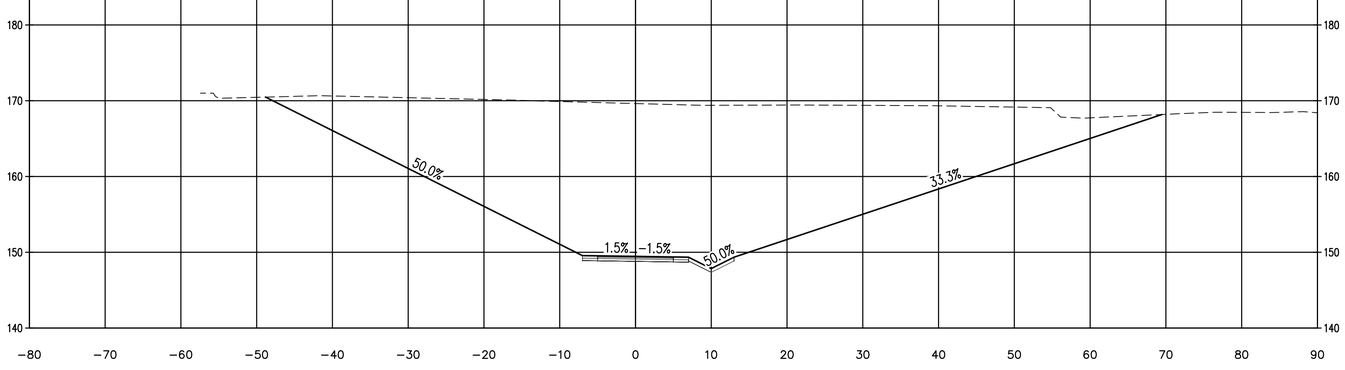


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SCALE IN FEET

T 303+25.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-03

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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

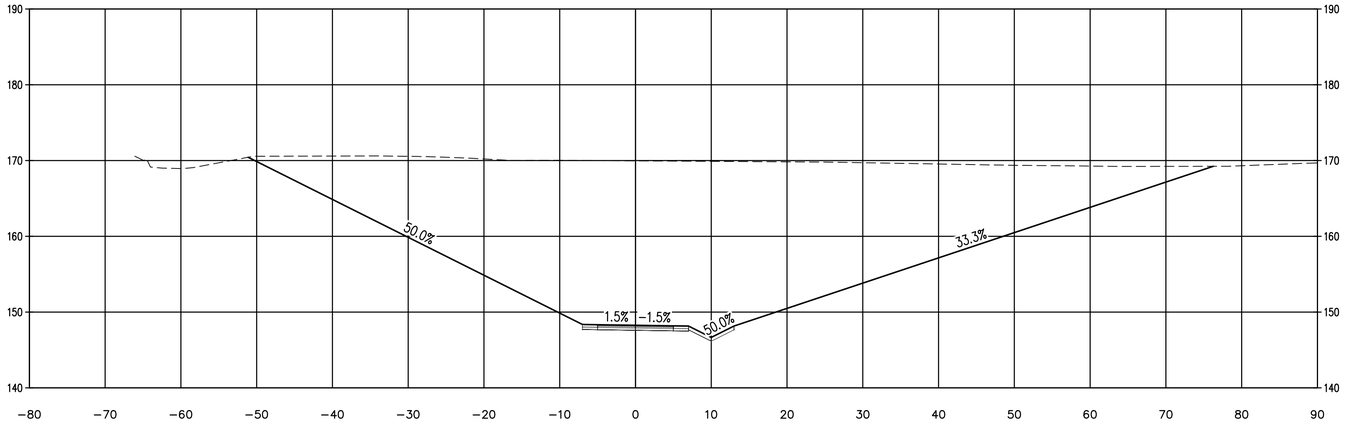
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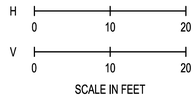
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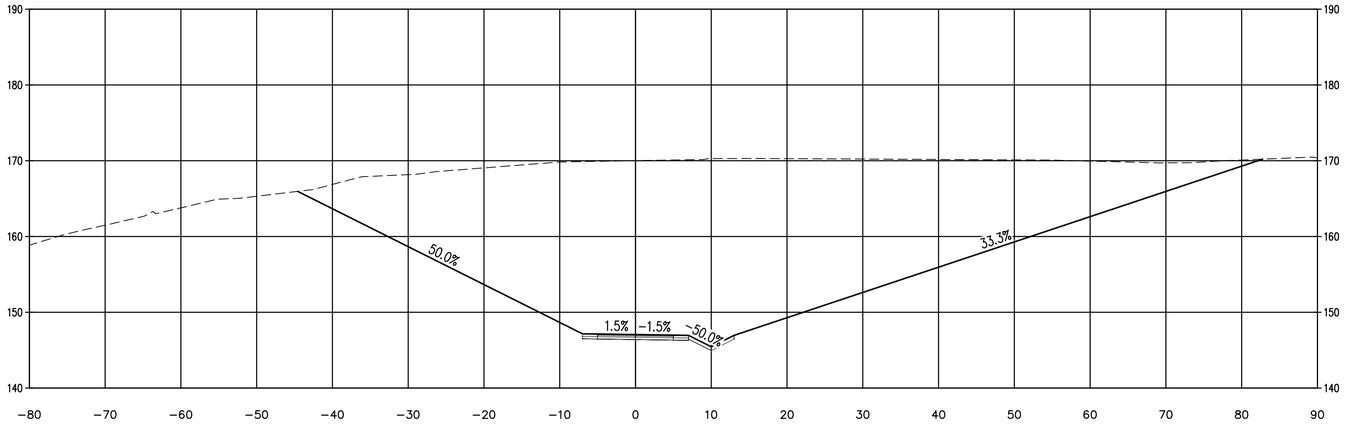
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T 303+50.00





T 303+75.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-03

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

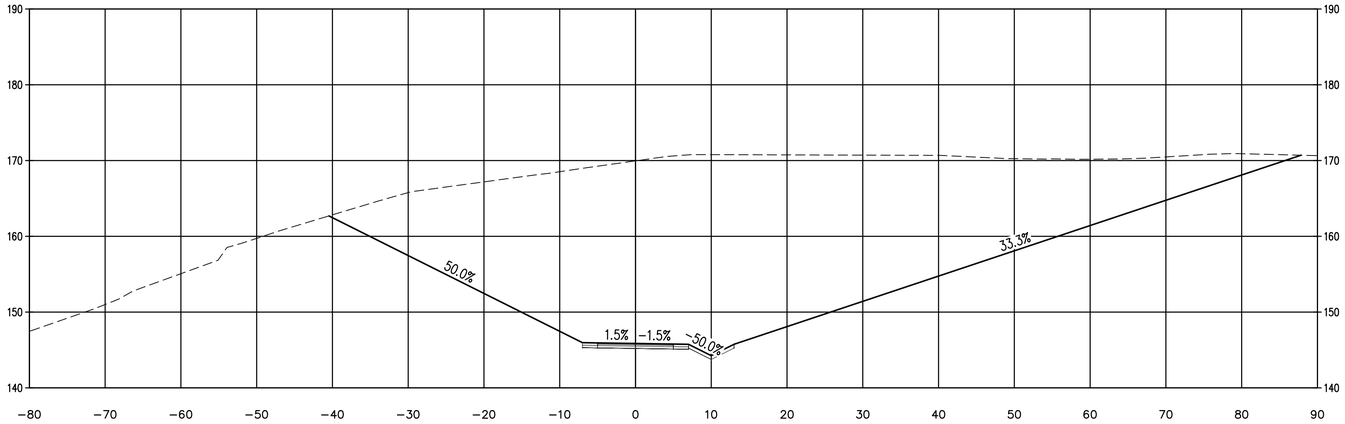
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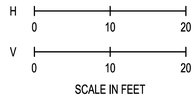
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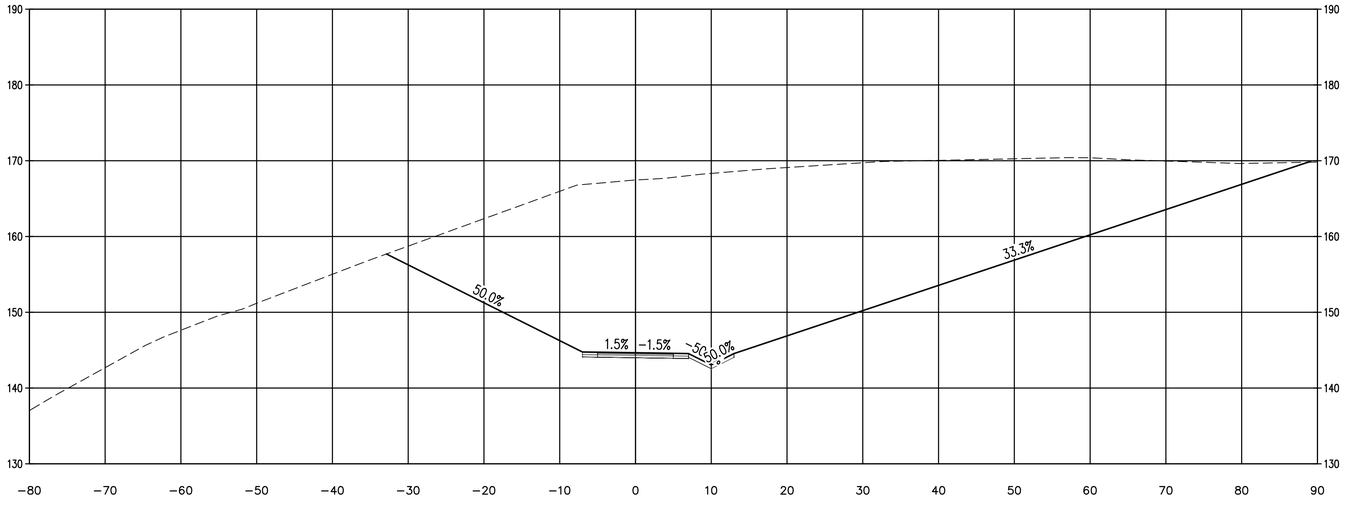
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T 304+00.00





T 304+25.00



Aug 20, 2026 3:23:03pm – User: michendricksmatsuda
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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-03

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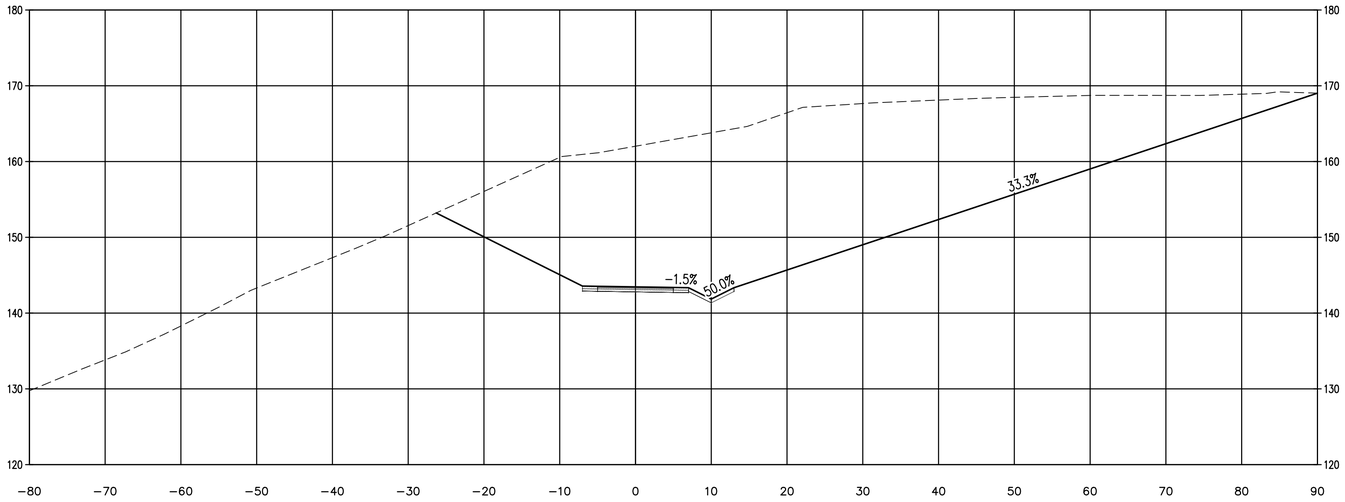
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

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SHEET No.: 96 OF 148

T 304+50.00

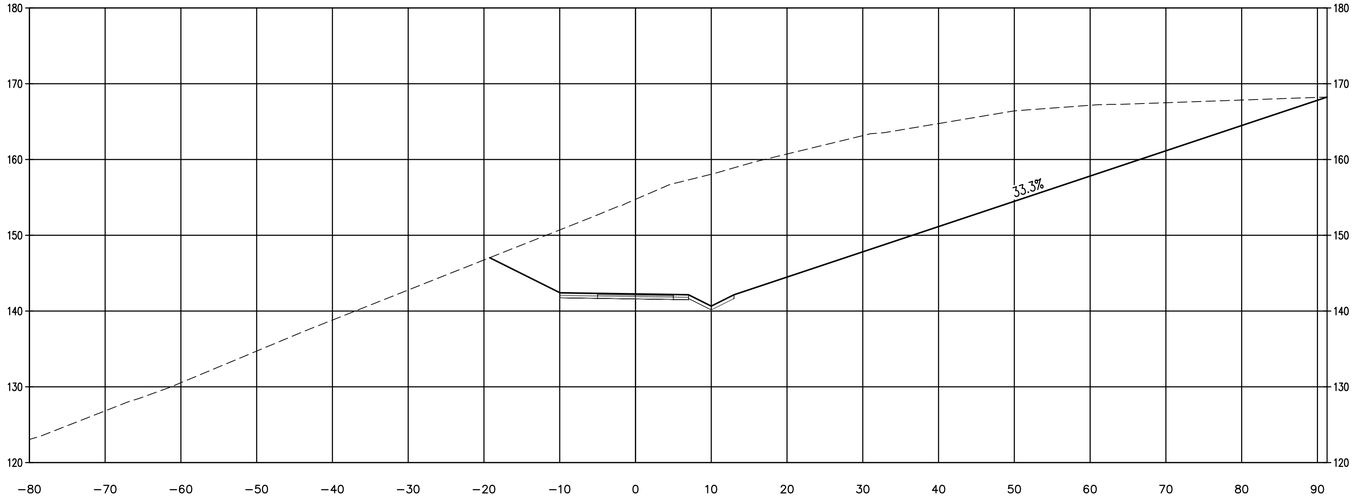


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0 10 20

SCALE IN FEET

T 304+75.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM

ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-03

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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

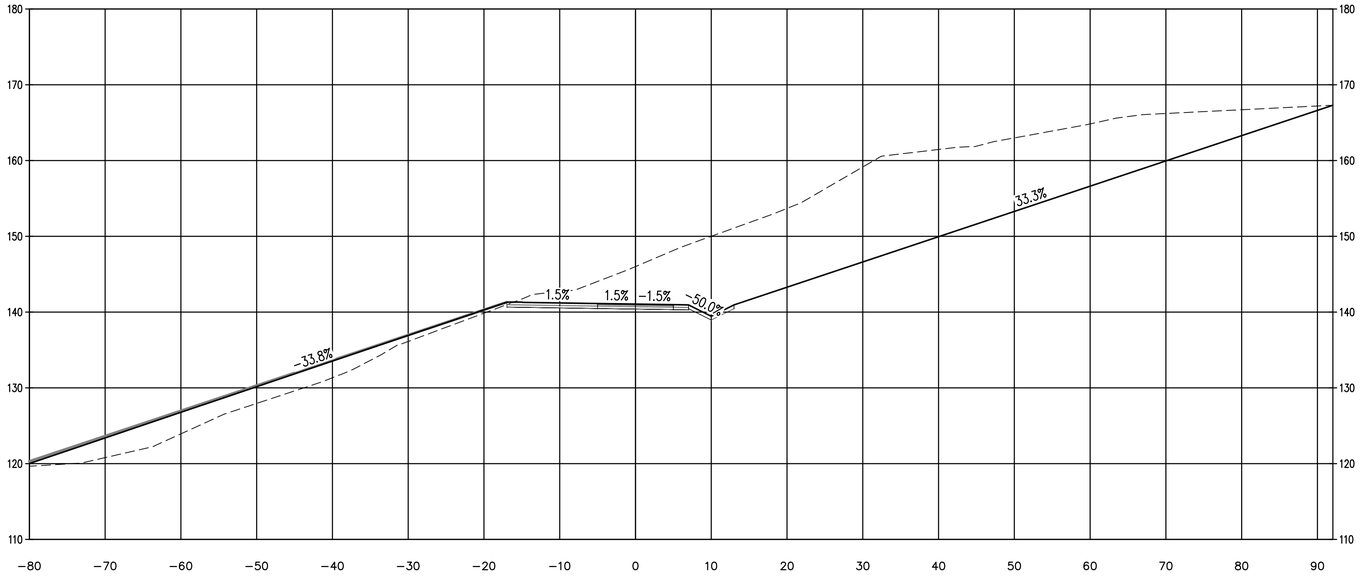
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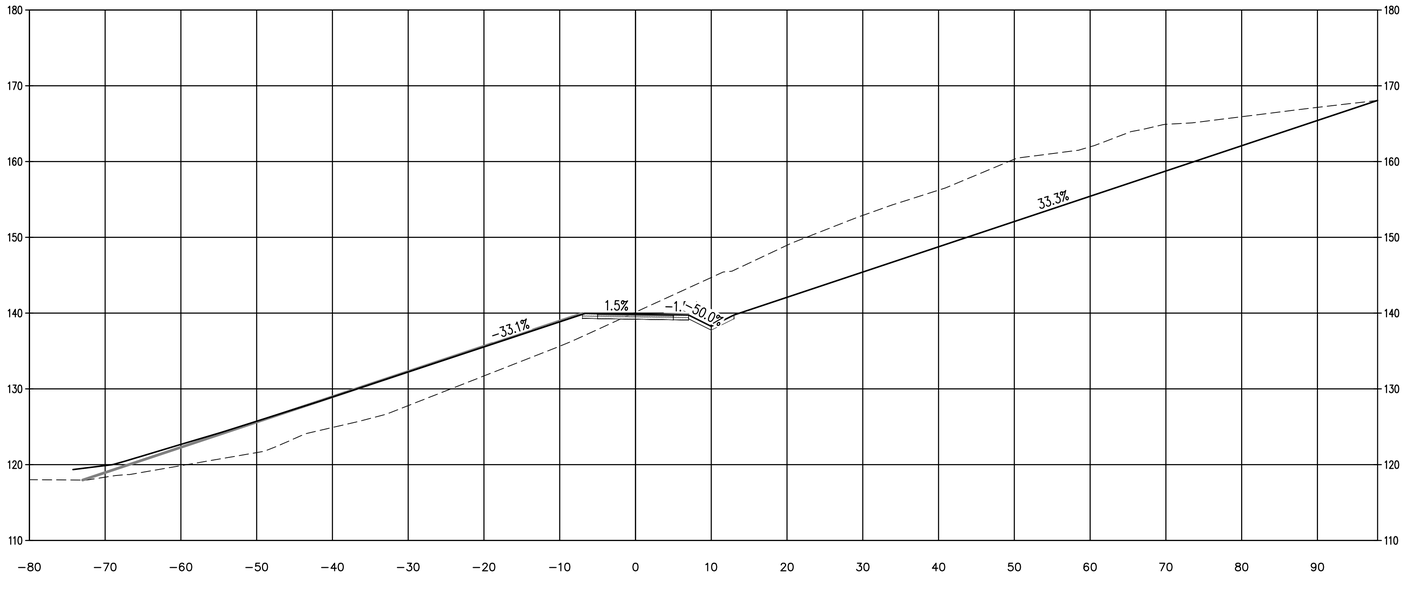
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SCALE IN FEET

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-03

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

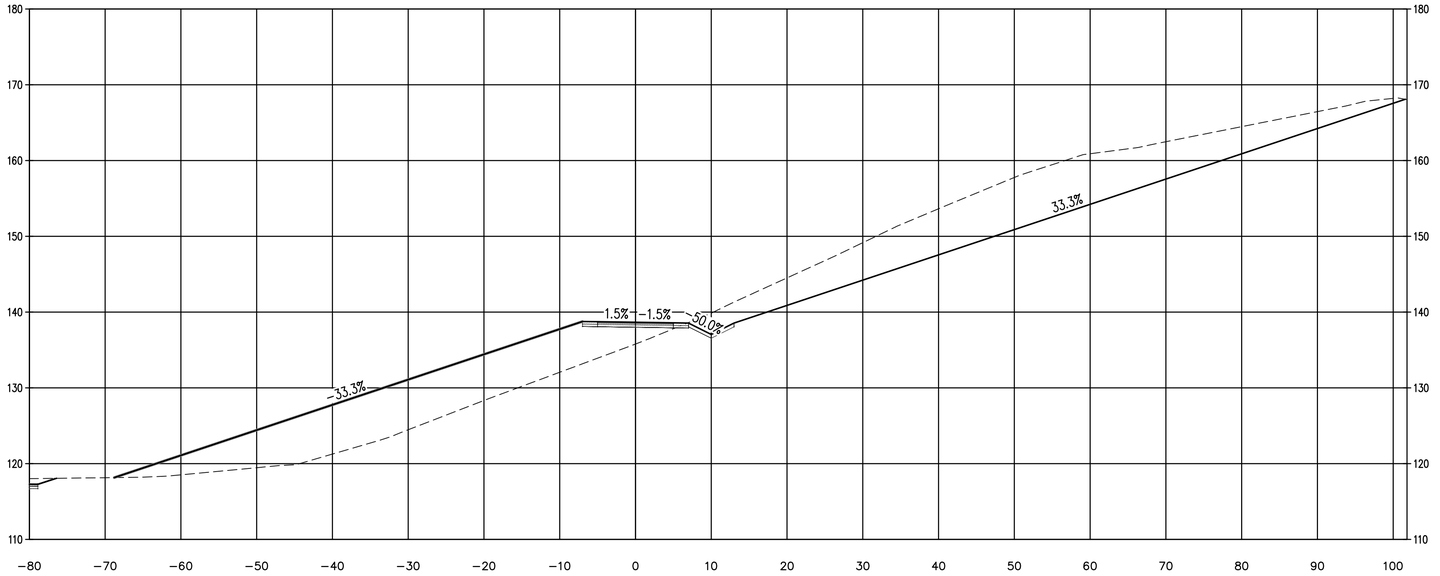
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T 305+50.00



T 305+75.00

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SCALE IN FEET

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-03

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

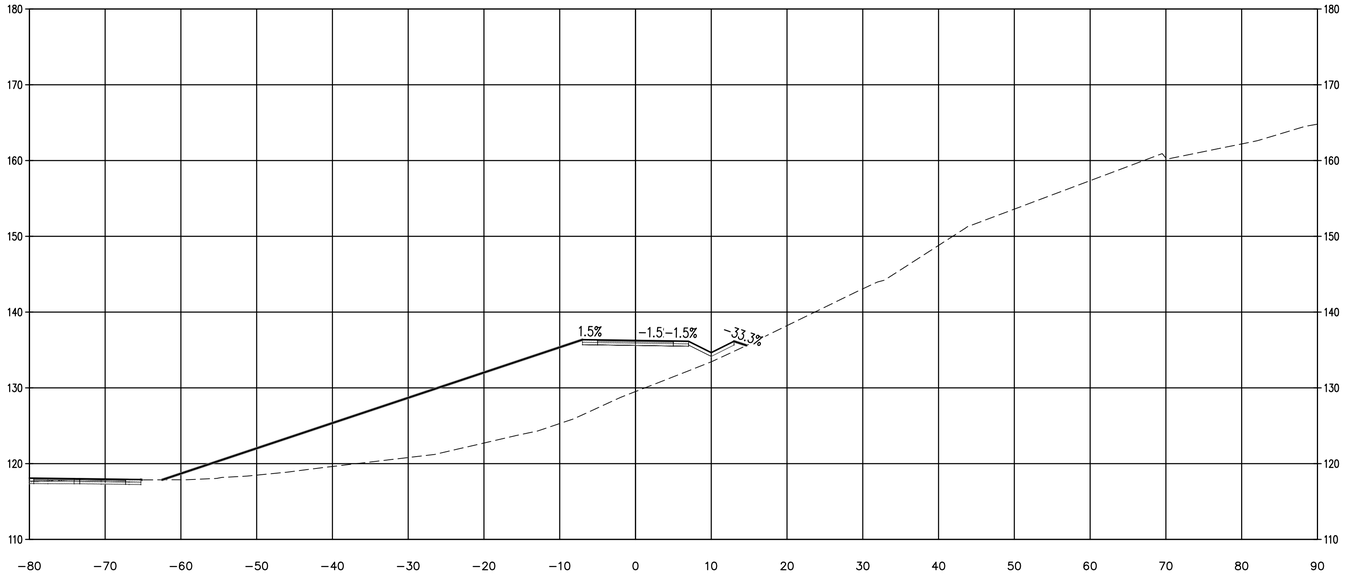
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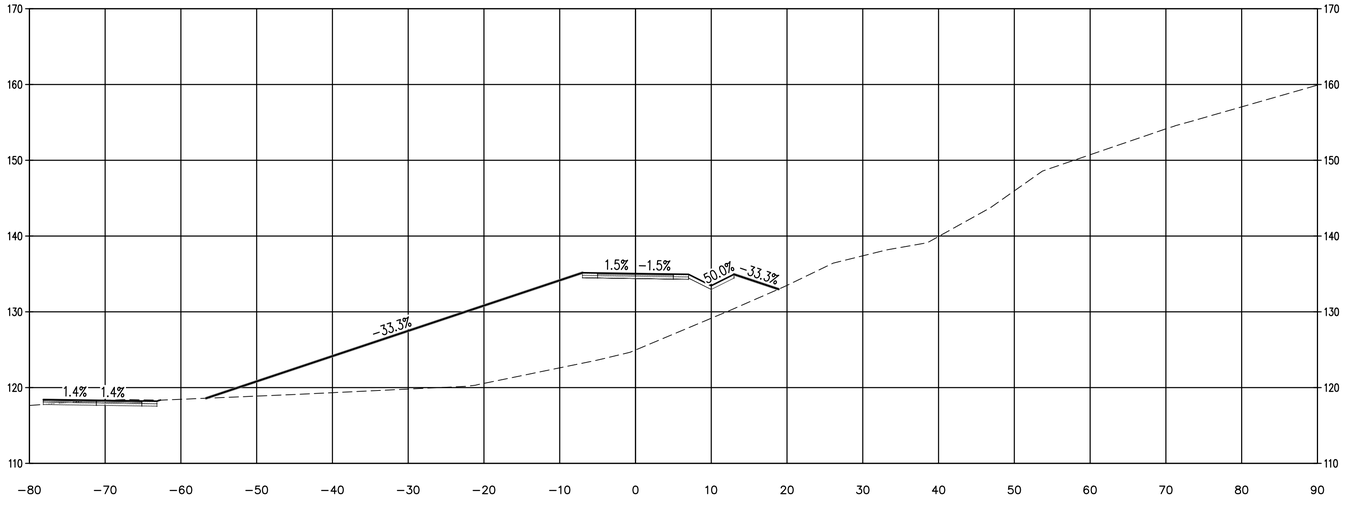


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SCALE IN FEET

T 306+25.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: _25-000313-C-CS-03

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

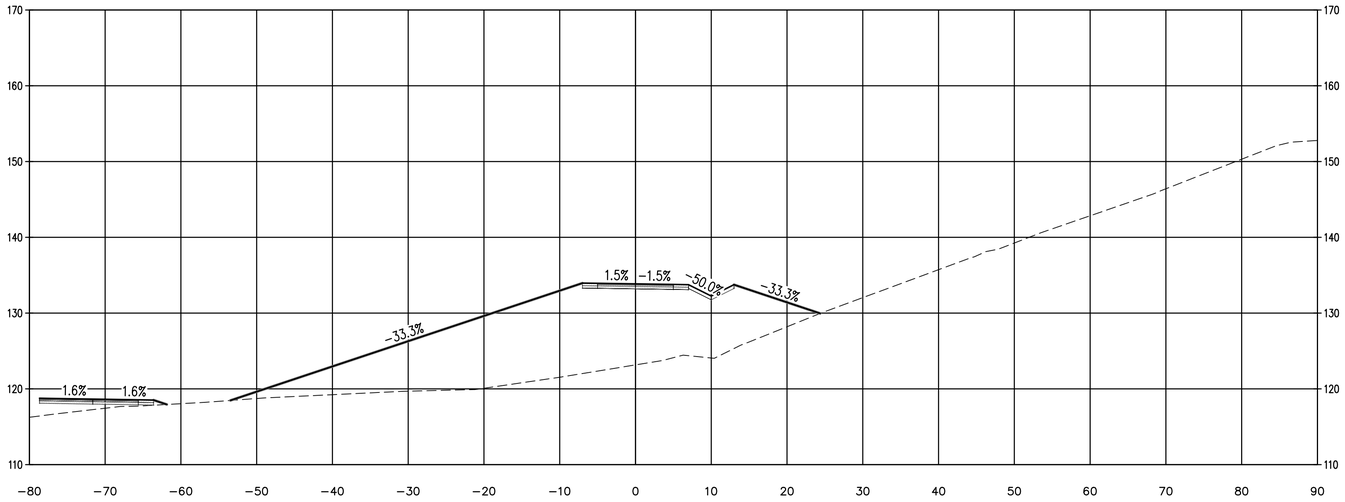
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T 306+50.00

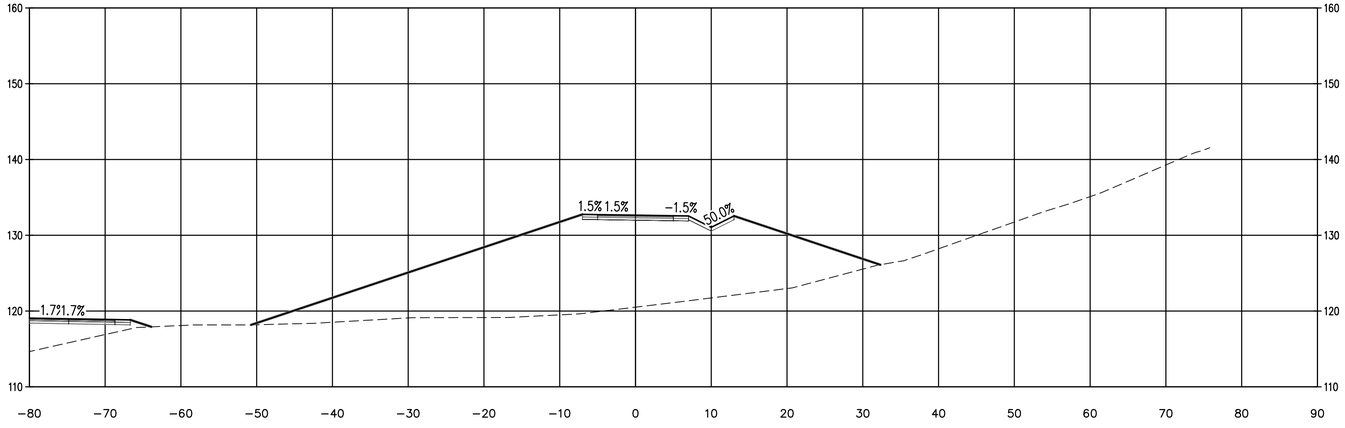


H 0 10 20

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SCALE IN FEET

T 306+75.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM

ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-C-CS-03

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SEGMENT C

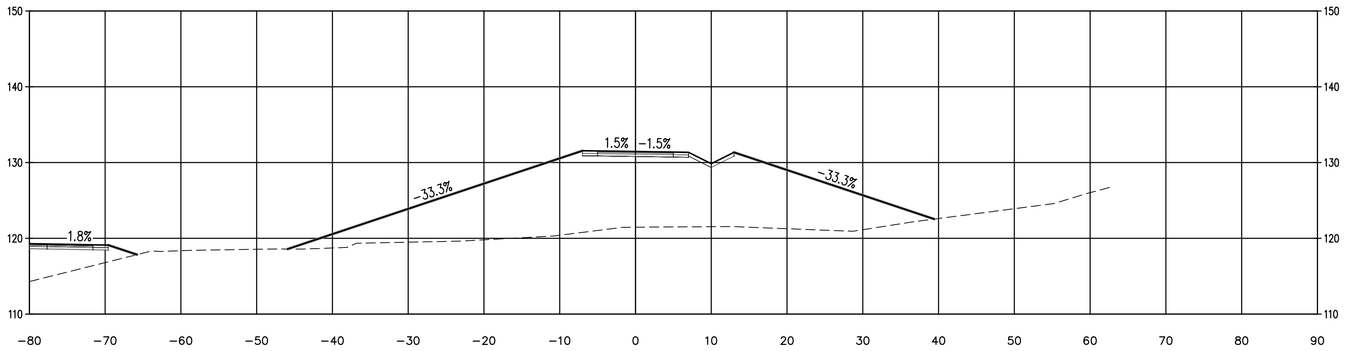
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T 307+00.00

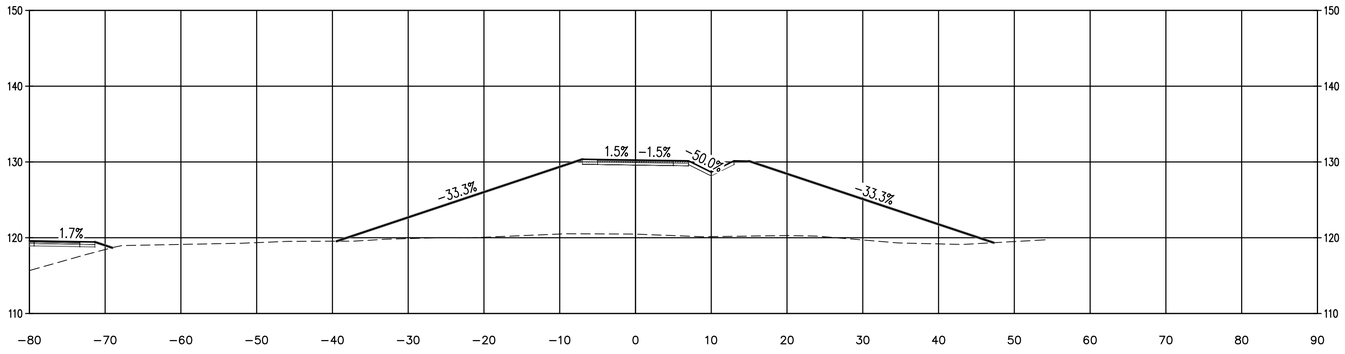


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V 0 10 20

SCALE IN FEET

T 307+25.00



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: _25-000313-C-CS-03

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49170 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

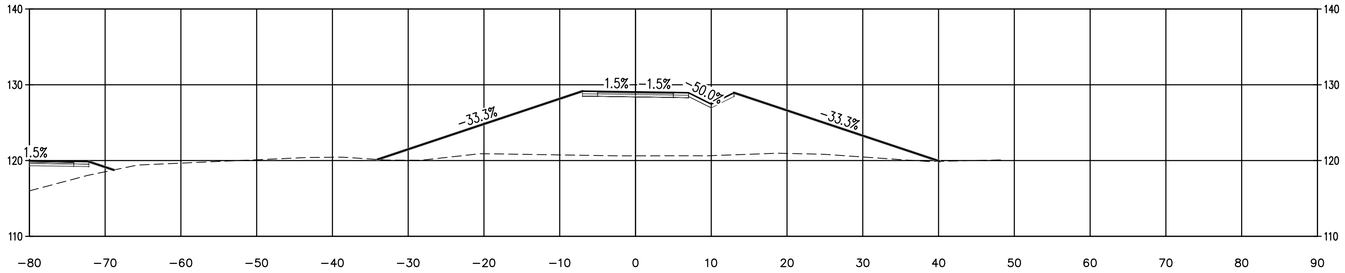
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T 303+50 - T 303+75

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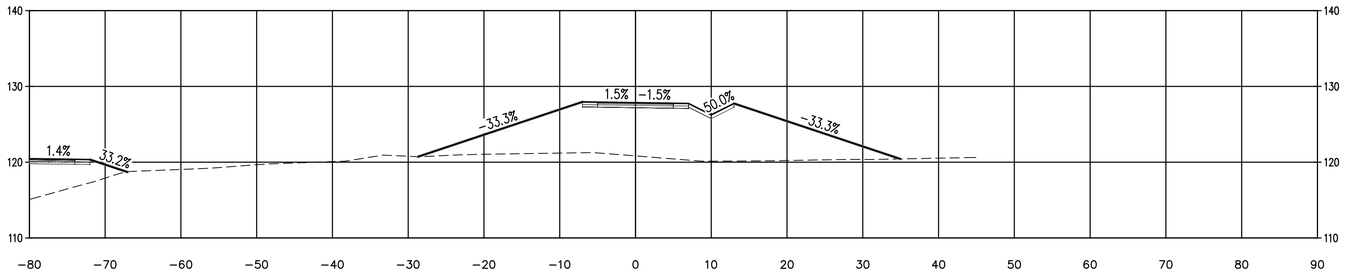
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Aug 20, 2026 3:23:23pm – User: mia.hendricksmatsuda
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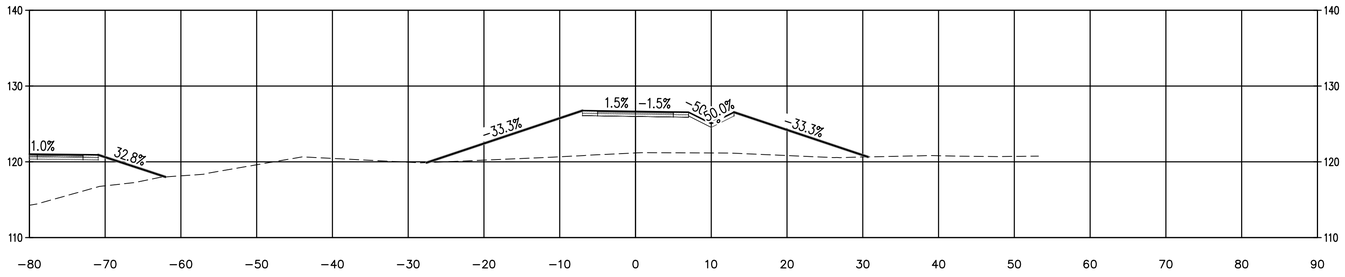
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T 307+75.00



T 308+00.00



H 0 10 20

V 0 10 20

SCALE IN FEET

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: _25-000313-C-CS-03

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PATRICK HOLM — STATE OF WASHINGTON — 49670 — REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

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PROJECT NAME:

CITY OF TUMWATER

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SEGMENT C

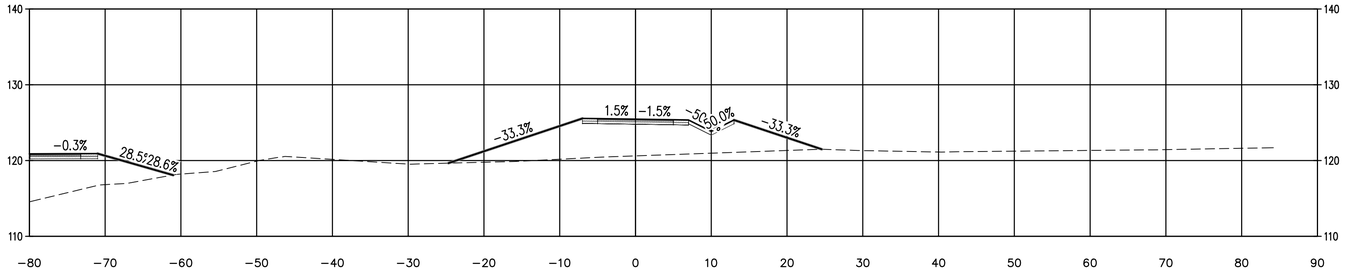
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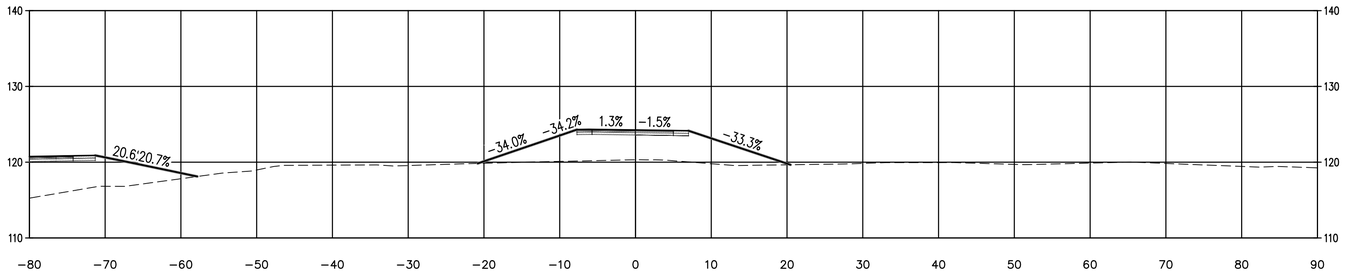
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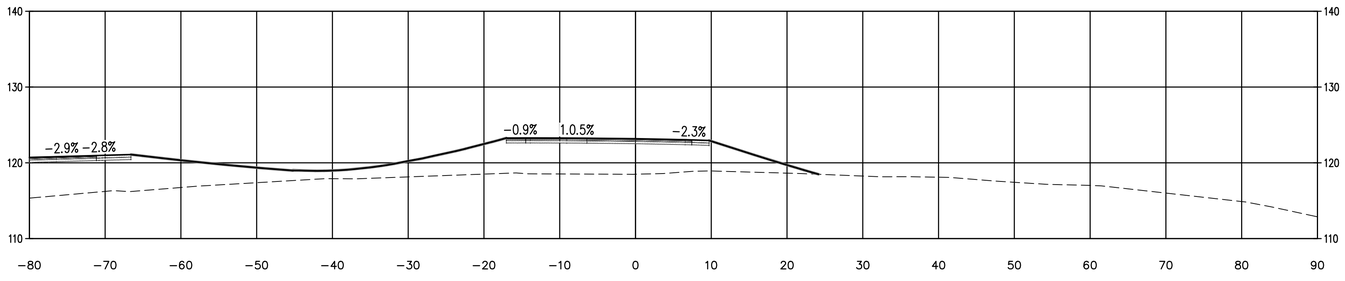
T 308+25.00



T 308+50.00



T 308+75.00



H 0 10 20

V 0 10 20

SCALE IN FEET

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: _25-000313-C-CS-03

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PRELIMINARY

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PROJECT NAME:

CITY OF TUMWATER

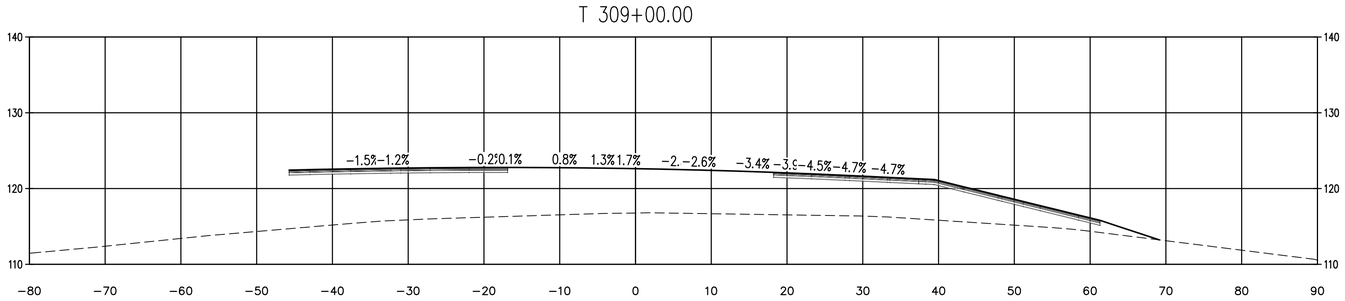
DESCHUTES VALLEY TRAIL
SEGMENT C

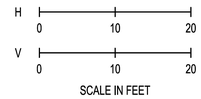
CROSS SECTION
T 304+50 - T 304+75

DRAWING No.: CS-30

SHEET No.: 97 OF 148

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△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-C-CS-03

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CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

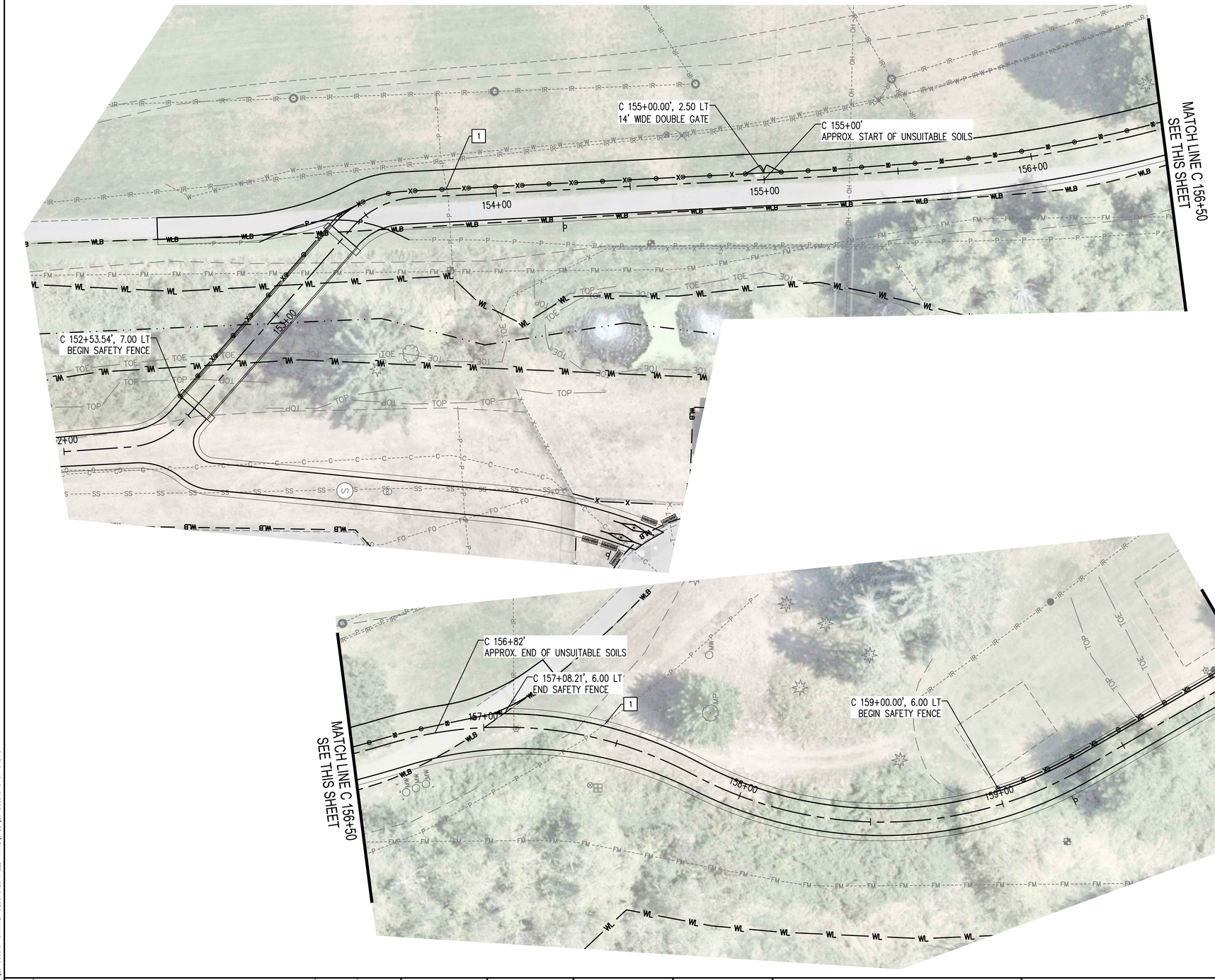
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

CROSS SECTION
T 305+00

DRAWING No.: CS-31

SHEET No.: 98 OF 148



0 20 40

SCALE IN FEET

LEGEND

- FENCE & FOOTING OUTLINE SPEC 8-12
- DOUBLE CHAIN LINK GATE WSDOT STD PLAN L-30.10

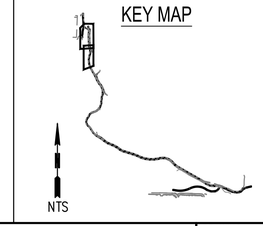
X CONSTRUCTION NOTES:

1. FENCE POST AND FOOTINGS SHALL BE SHIFTED TO AVOID EXISTING UTILITIES. CONTRACTOR SHALL VERIFY LOCATION, SIZE, AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. FENCE POST SPACING SHALL BE A MINIMUM OF 6 FEET AND MAXIMUM OF 10 FEET.

GENERAL NOTE:

1. IN REGIONS OF UNSUITABLE SOILS, THE TRAIL CROSS SECTION HAS ONE FOOT OF QUARRY SPALLS BELOW BASE COURSE. CONTRACTOR SHALL ENSURE THE INSTALLATION OF THE FENCE FOOTINGS DO NOT AFFECT THE COMPACTION AND PLACEMENT OF THE QUARRY SPALLS.
2. SEE SAFETY FENCE DETAILS ON SHEET S8

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-CF-01

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SCJ ALLIANCE
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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

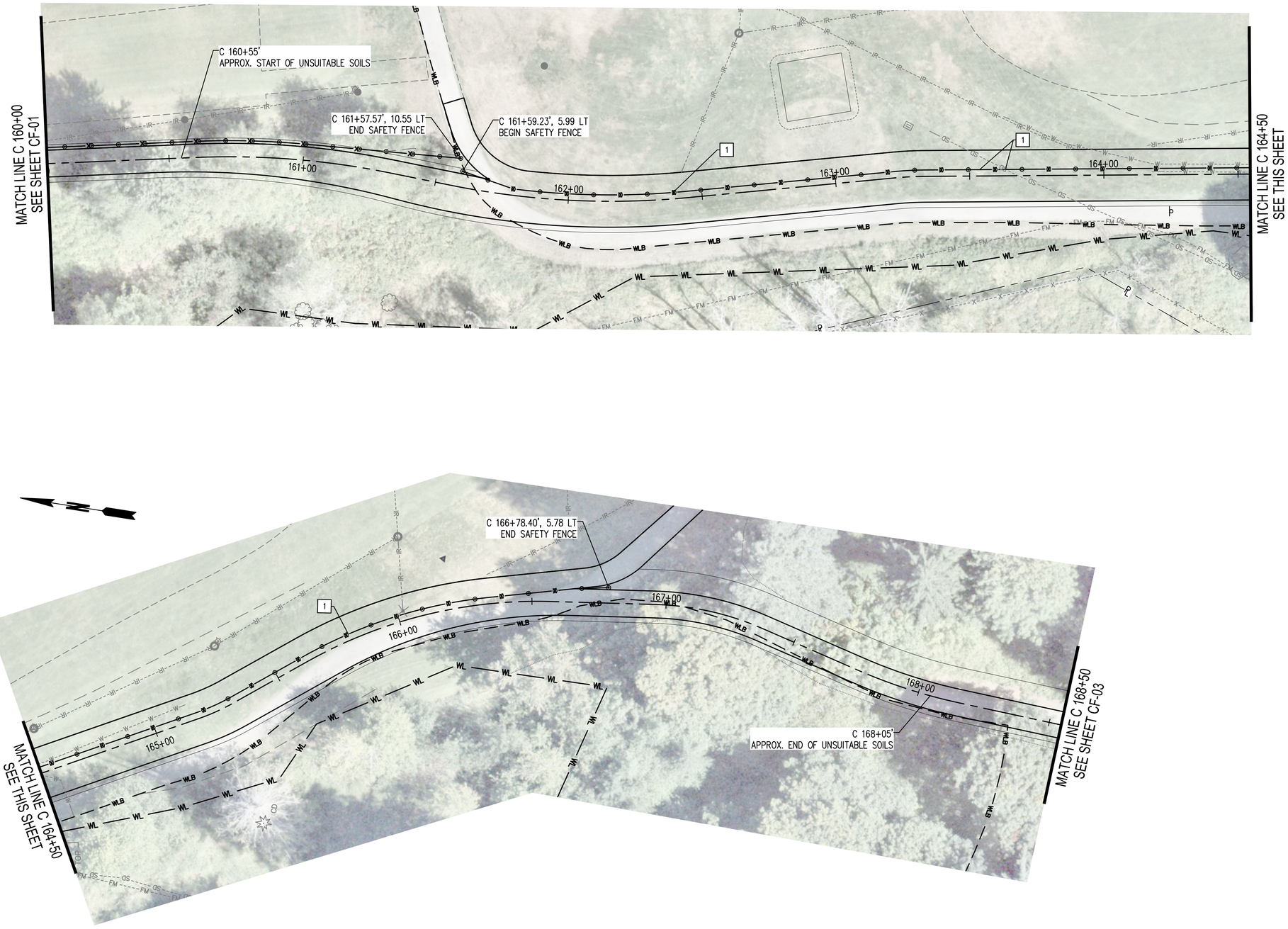
DESCHUTES VALLEY TRAIL
SEGMENT C

SAFETY FENCING PLAN
C 152+00 - C 160+00

DRAWING No.: CF-01

SHEET No.: 106 OF 148

Aug 20, 2026 1:00:45pm – User: aufreynielsen
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LEGEND

- FENCE & FOOTING OUTLINE SPEC 8-12
- DOUBLE CHAIN LINK GATE WSDOT STD PLAN L-30.10

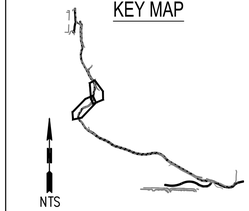
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2. SEE SAFETY FENCE DETAILS ON SHEET S8

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-CF-02

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

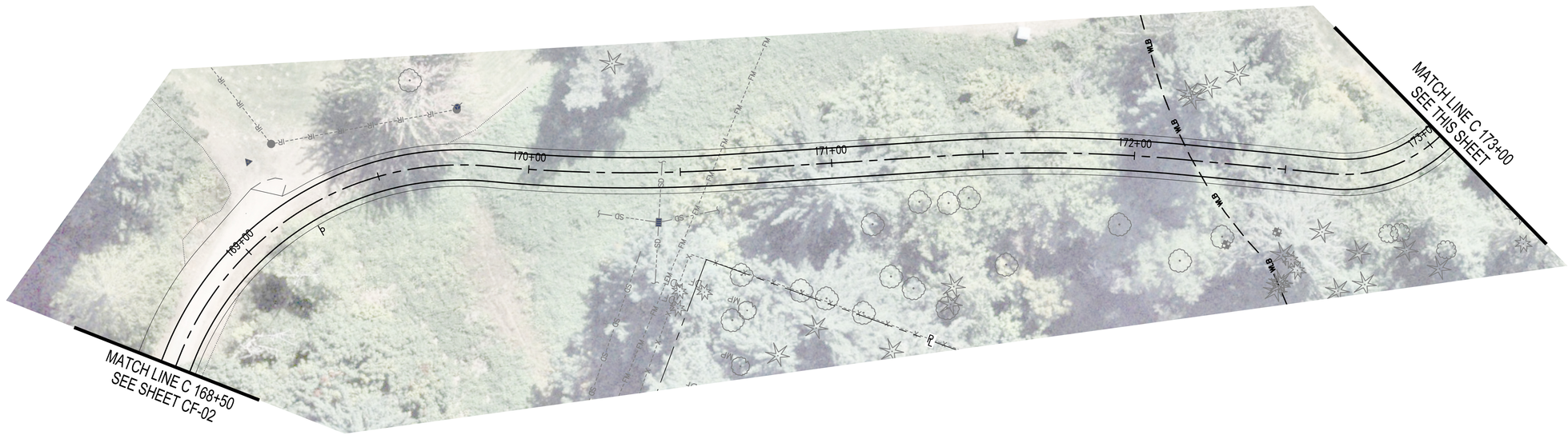
DESCHUTES VALLEY TRAIL
SEGMENT C

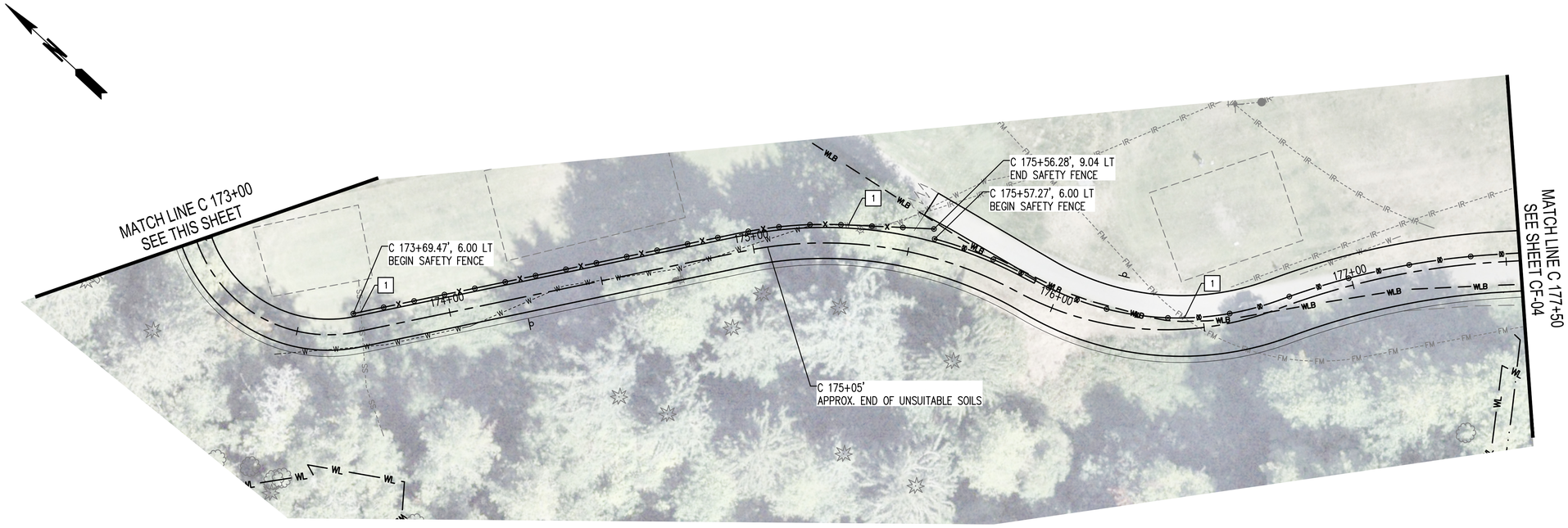
SAFETY FENCING PLAN
C 160+00 - C 168+50

DRAWING No.: CF-02

SHEET No.: 107 OF 148

Aug 20, 2026 12:59:42pm - User: audreynielsen
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SCALE IN FEET

LEGEND

FENCE & FOOTING OUTLINE SPEC 8–12

DOUBLE CHAIN LINK GATE WSDOT STD PLAN L–30.10

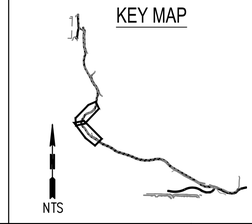
X CONSTRUCTION NOTES:

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GENERAL NOTE:

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2. SEE SAFETY FENCE DETAILS ON SHEET S8

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-CF-03

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CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

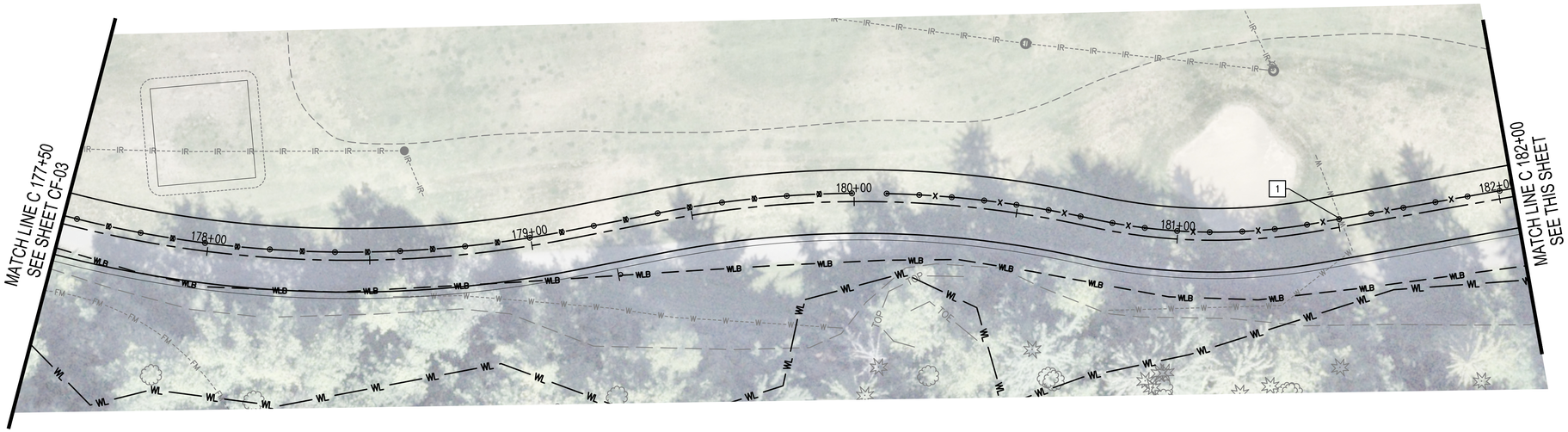
DESCHUTES VALLEY TRAIL
SEGMENT C

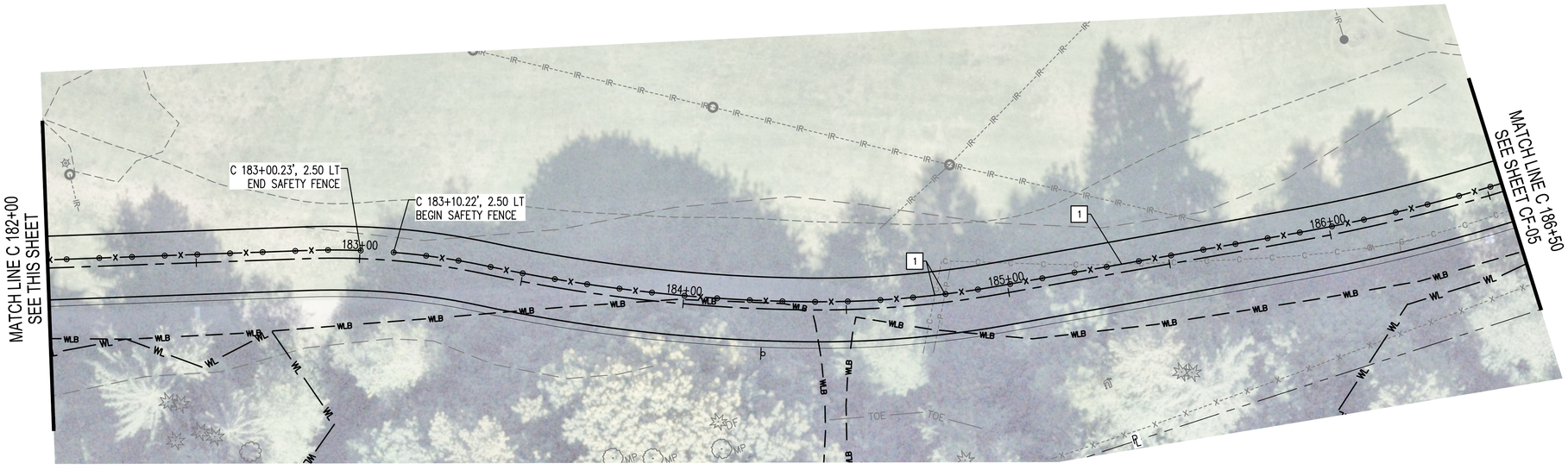
SAFETY FENCING PLAN
C 168+50 - C 177+50

DRAWING No.: CF-03

SHEET No.: 108 OF 148

Aug 20, 2026 1:20:03pm – User: audreyvieleson
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LEGEND

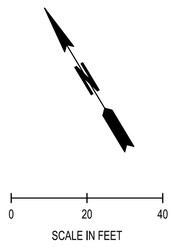
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⩚	DOUBLE CHAIN LINK GATE WSDOT STD PLAN L-30.10

[X] CONSTRUCTION NOTES:

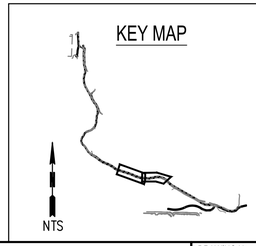
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2. SEE SAFETY FENCE DETAILS ON SHEET S8



KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: 25-000313-C-CF-04

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SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

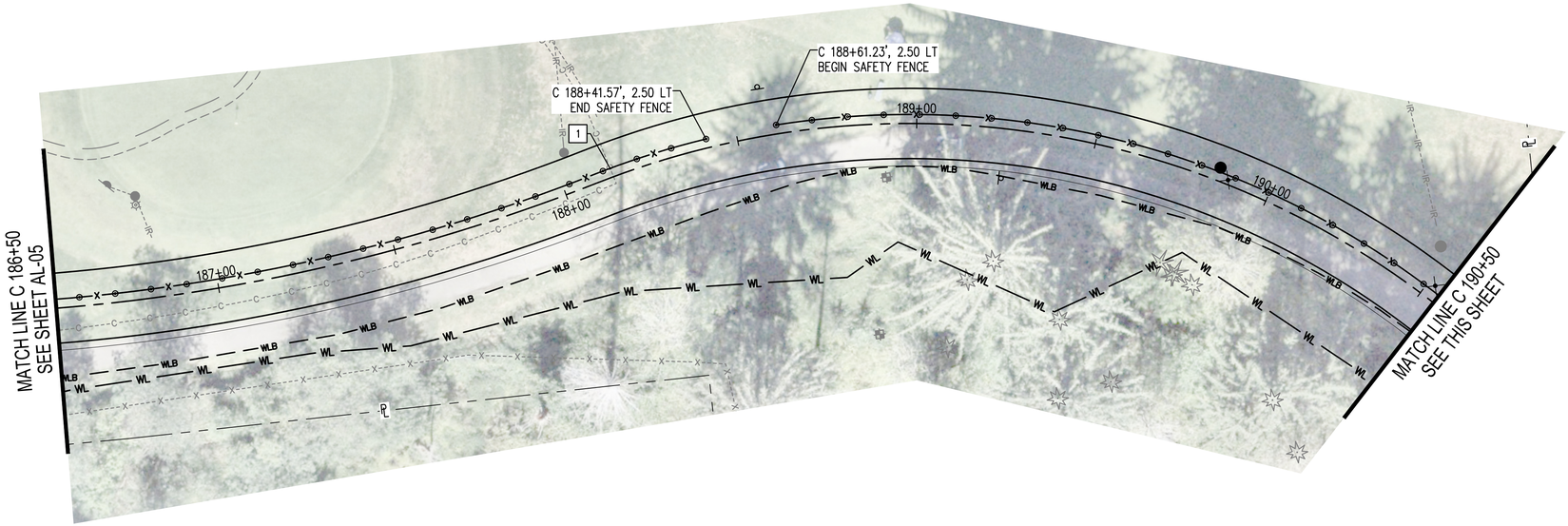
DESCHUTES VALLEY TRAIL
SEGMENT C

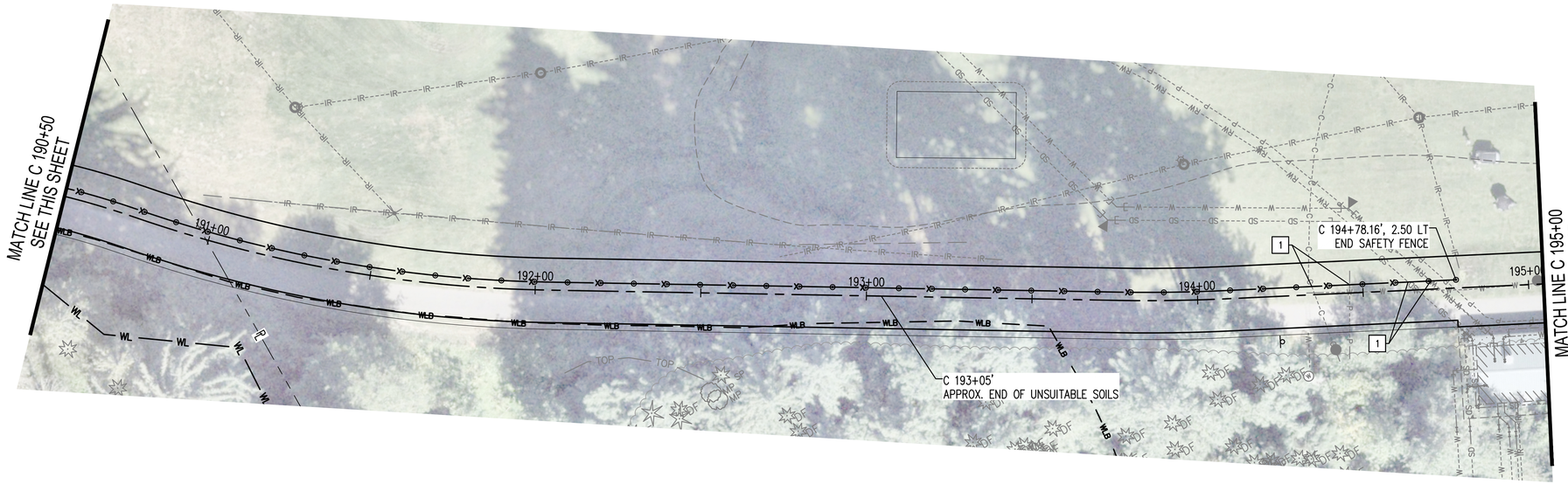
SAFETY FENCING PLAN
C 177+50 - C 186+50

DRAWING No.: CF-04

SHEET No.: 109 OF 148

Aug 20, 2026 1:20:01pm - User: aufenglehlen
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N

0 20 40
SCALE IN FEET

LEGEND

FENCE & FOOTING OUTLINE SPEC 8-12

DOUBLE CHAIN LINK GATE WSDOT STD PLAN L-30.10

X CONSTRUCTION NOTES:

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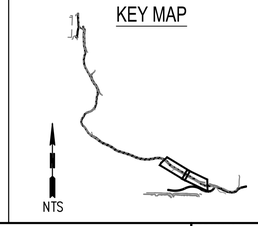
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2. SEE SAFETY FENCE DETAILS ON SHEET S8

N

0 20 40
SCALE IN FEET

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-CF-05

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

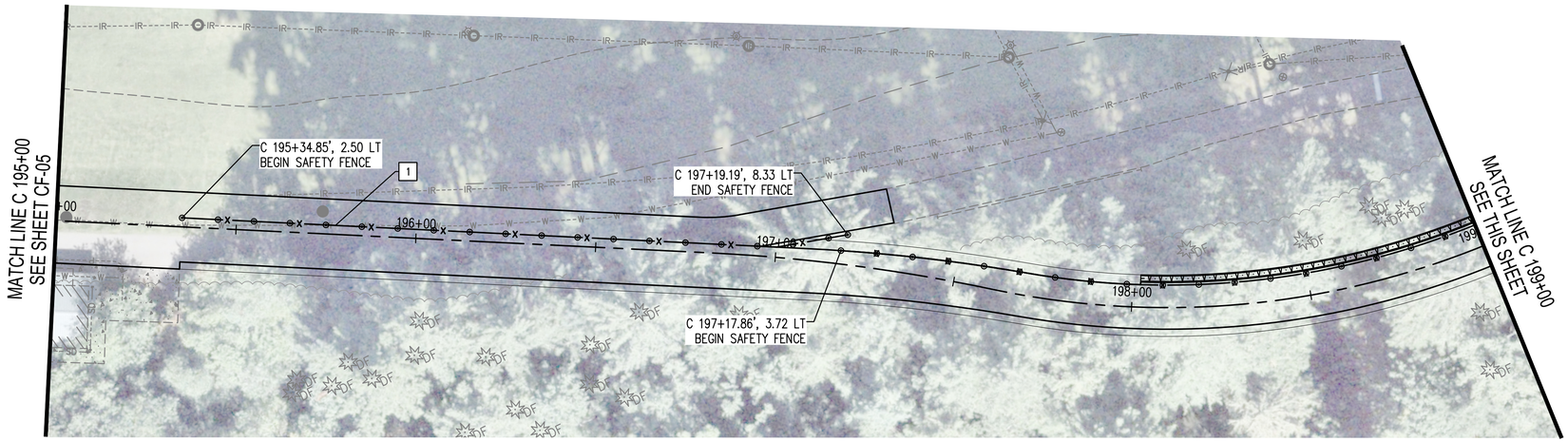
DESCHUTES VALLEY TRAIL
SEGMENT C

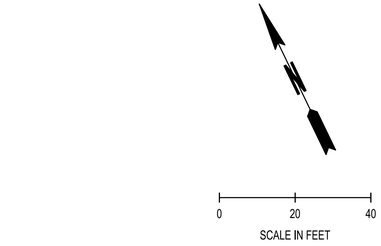
SAFETY FENCING PLAN
C 186+50 - C 195+00

DRAWING No.: CF-05

SHEET No.: 110 OF 148

Aug 20, 2026 - 1:07:36pm - User: audreyvieleben
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LEGEND

FENCE & FOOTING OUTLINE
SPEC 8-12

DOUBLE CHAIN LINK GATE
WSDOT STD PLAN L-30.10

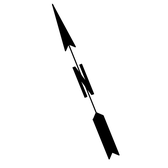
[X] CONSTRUCTION NOTES:

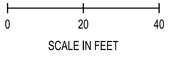
1. FENCE POST AND FOOTINGS SHALL BE SHIFTED TO AVOID EXISTING UTILITIES. CONTRACTOR SHALL VERIFY LOCATION, SIZE, AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. FENCE POST SPACING SHALL BE A MINIMUM OF 6 FEET AND MAXIMUM OF 10 FEET.

GENERAL NOTE:

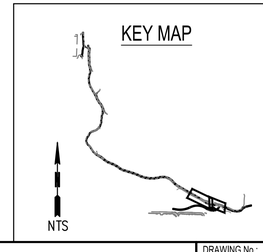
1. IN REGIONS OF UNSUITABLE SOILS, THE TRAIL CROSS SECTION HAS ONE FOOT OF QUARRY SPALLS BELOW BASE COURSE. CONTRACTOR SHALL ENSURE THE INSTALLATION OF THE FENCE FOOTINGS DO NOT AFFECT THE COMPACTION AND PLACEMENT OF THE QUARRY SPALLS.
2. SEE SAFETY FENCE DETAILS ON SHEET S8







KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-CF-06

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49470 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

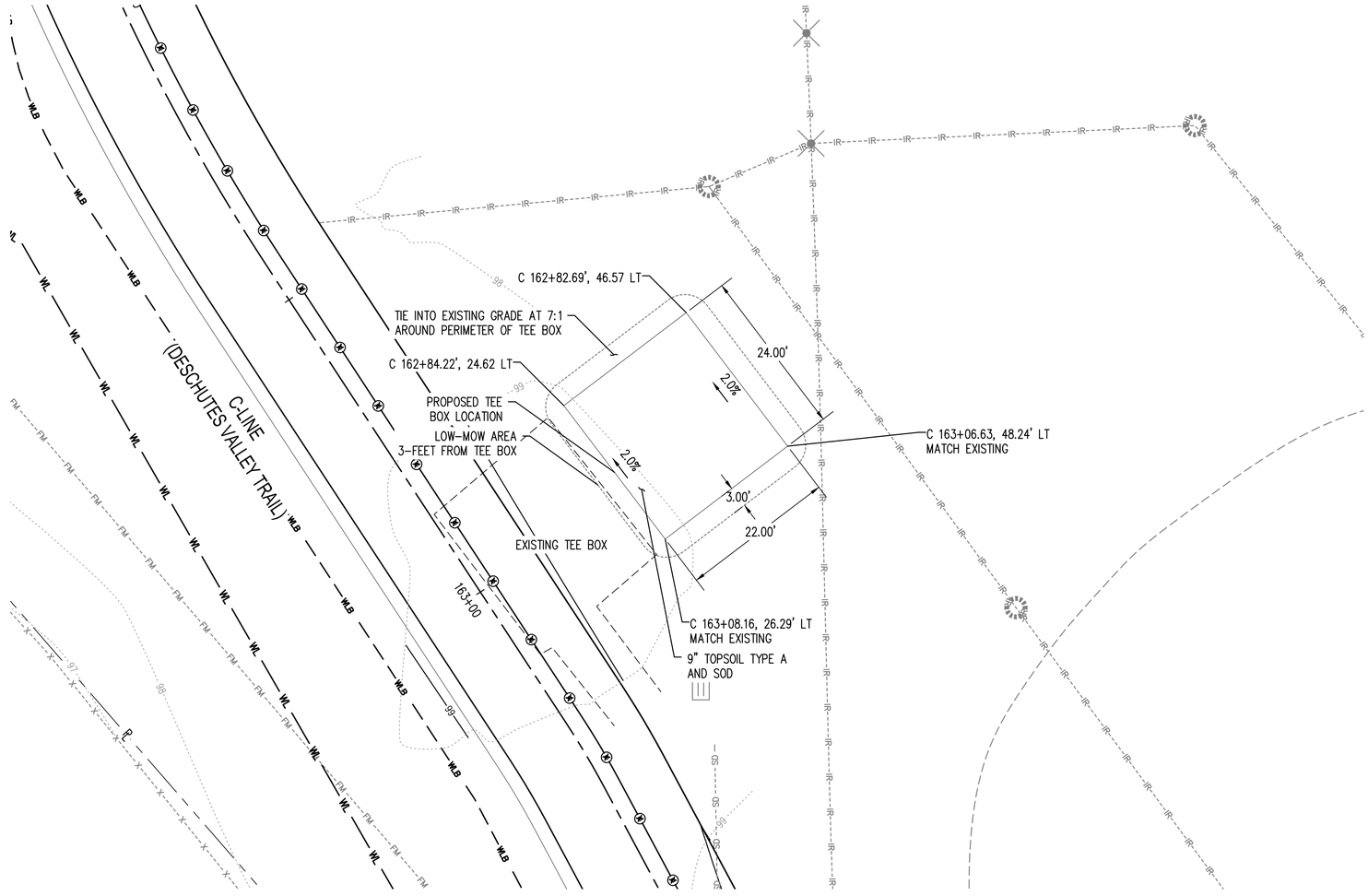
DESCHUTES VALLEY TRAIL
SEGMENT C

SAFETY FENCING PLAN
C 195+00 - C 202+00

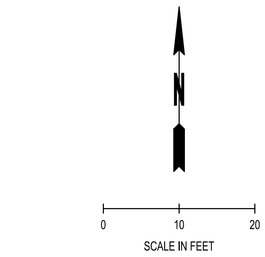
DRAWING No.: CF-06

SHEET No.: 111 OF 148

Aug 20, 2026 1:16:26pm - User: audreyriedesel
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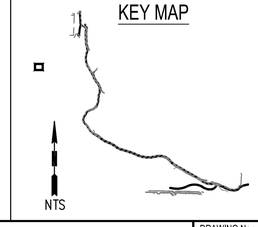
HOLE 2 - WHITE TEE BOX



GENERAL NOTE:

1. SURVEY LIMITS DO NOT ENCOMPASS THE FULL TEE BOX, THEREFORE CONTRACTOR SHALL VERIFY THE EXISTING GRADE OF THE PROPOSED TEE BOX PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL RESTORE THE EXISTING TEE BOX WITH 3-WAY RYE SEED MIX. IF FILL MATERIAL IS NEEDED CONTRACTOR SHALL USE TOPSOIL TYPE A.

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: C. OWEN	ISSUE DATE: MAY 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: T. GRANTHAM	DRAWING FILE No.: 25-000313-C-TR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

STATE OF WASHINGTON — PRELIMINARY — Not for Construction, Bidding or Permit Purposes — Construction Drawings Not Yet Signed (ATSPM)

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

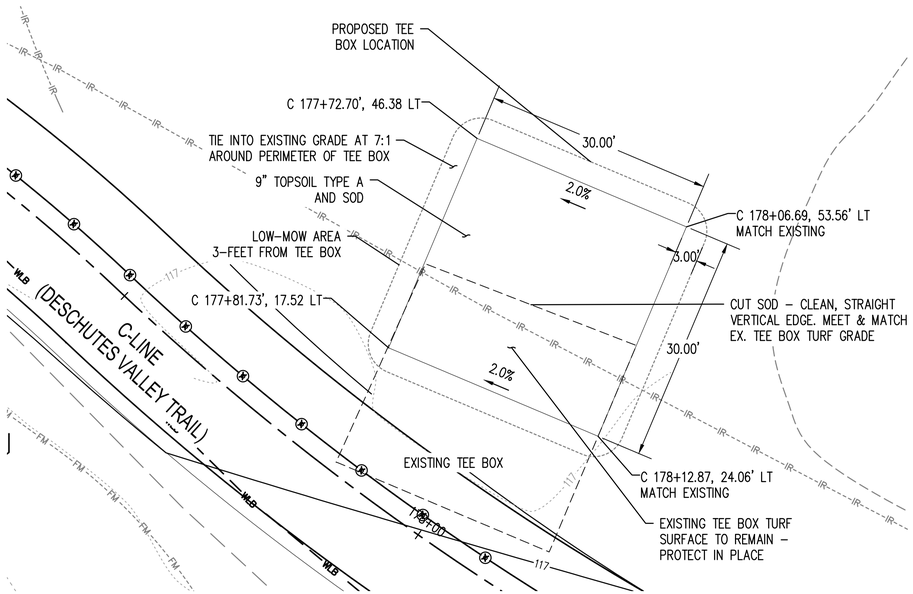
DESCHUTES VALLEY TRAIL
SEGMENT C

TEE BOX RELOCATION PLAN

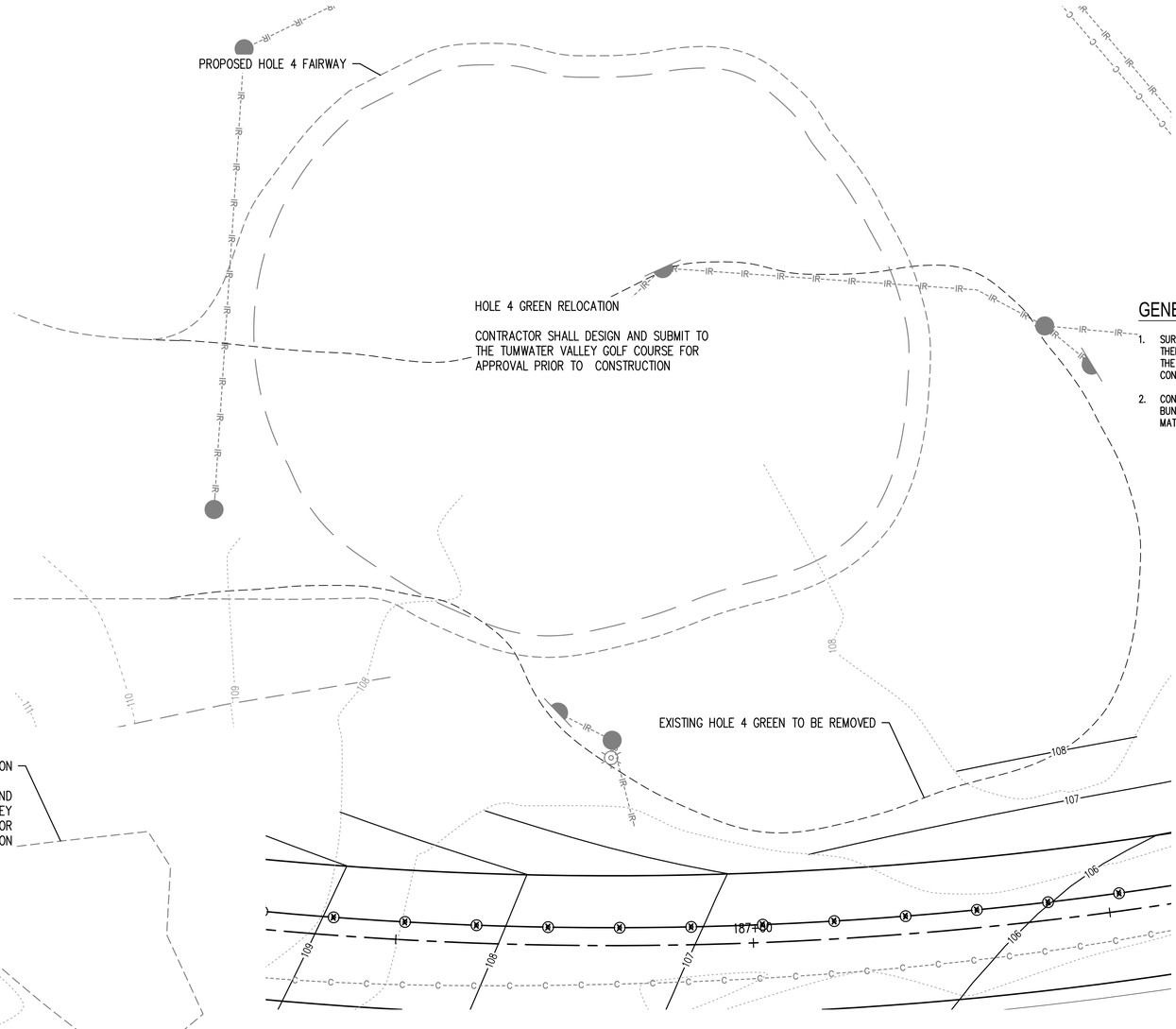
DRAWING No.: TR-01

SHEET No.: 112 OF 147

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N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-TR-01.DWG



HOLE 4 - RED TEE BOX



HOLE 4 - GREEN

HOLE 4 - SAND TRAP

N

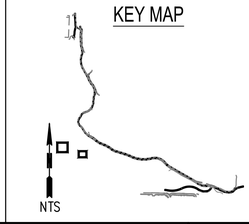
0 10 20

SCALE IN FEET

GENERAL NOTE:

1. SURVEY LIMITS DO NOT ENCOMPASS THE FULL TEE BOX, THEREFORE CONTRACTOR SHALL VERIFY THE EXISTING GRADE OF THE PROPOSED TEE BOX PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL RESTORE THE EXISTING TEE BOX, SAND BUNKER, AND GREEN WITH 3-WAY RYE SEED MIX. IF FILL MATERIAL IS NEEDED CONTRACTOR SHALL USE TOPSOIL TYPE A.

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: C. OWEN	ISSUE DATE: MAY 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: T. GRANTHAM	DRAWING FILE No.: 25-000313-C-TR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

STATE OF WASHINGTON — PRELIMINARY — Authorized Signature — Date — Signature Not Required (ATSOT) — Additional Signature Text (ATSOT)

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

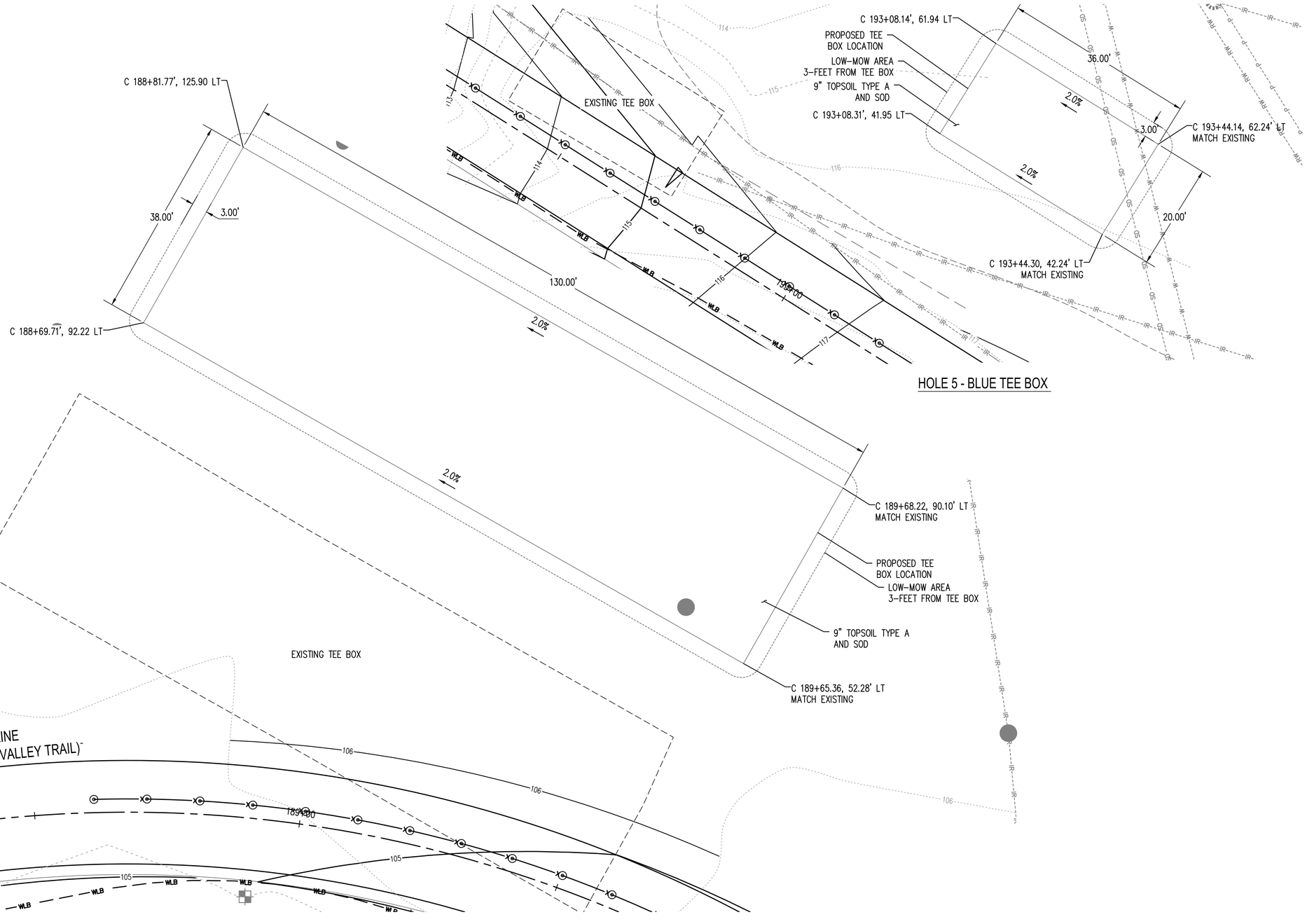
DESCHUTES VALLEY TRAIL
SEGMENT C

TEE BOX RELOCATION PLAN

DRAWING No.: TR-02

SHEET No.: 113 OF 147

Aug 20, 2026 1:41:22pm - User: aufderheiden
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-TR-01.DWG



HOLE 5 - BLUE TEE BOX

HOLE 5 - BLACK TEE BOX

0 10 20
SCALE IN FEET

GENERAL NOTE:

1. SURVEY LIMITS DO NOT ENCOMPASS THE FULL TEE BOX, THEREFORE CONTRACTOR SHALL VERIFY THE EXISTING GRADE OF THE PROPOSED TEE BOX PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL RESTORE THE EXISTING TEE BOX WITH 3-WAY RYE SEED MIX. IF FILL MATERIAL IS NEEDED CONTRACTOR SHALL USE TOPSOIL TYPE A.

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
ISSUE DATE: MAY 2026
DRAWN BY: M. HENDRICKS-MATSUDA
JOB No.: 25-000313
APPROVED BY: P. HOLM
DRAWING FILE No.: 25-000313-C-TR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PRELIMINARY

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CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

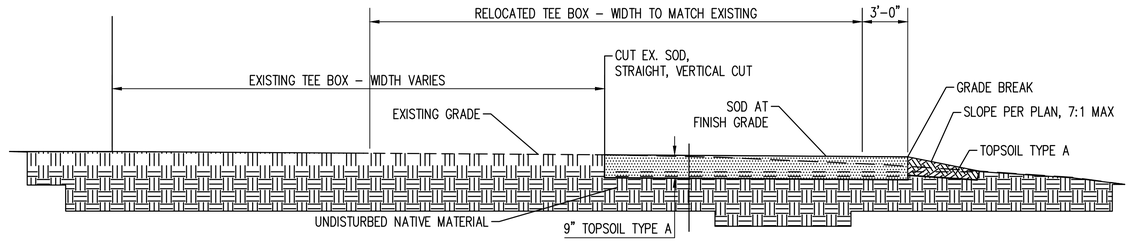
DESCHUTES VALLEY TRAIL
SEGMENT C

TEE RELOCATION PLAN

DRAWING No.: TR-03

SHEET No.: 114 OF 147

Aug 20, 2026 1:28:31pm – User: aufenjelsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-TR-01.DWG



TEE BOX RELOCATION SCHEMATIC CROSS SECTION

NTS

	REVISIONS	DATE	BY
1			

DESIGNED BY:

ISSUE DATE: MAY 2026

DRAWN BY: M. HENDRICKS-MATSUDA

JOB No.: 25-000313

APPROVED BY: P. HOLM

DRAWING FILE No.: 25-000313-C-TR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

STATE OF WASHINGTON — PRELIMINARY — NOT FOR CONSTRUCTION

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

TEE BOX RELOCATION NOTES & DETAILS

DRAWING No.: TR-04

SHEET No.: 115 OF 147

Aug 20, 2026 1:30:45pm – User: aufreyriddeen
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-TR-01.DWG

BRIDGE STRUCTURAL NOTES

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2026.

A CONTRACTOR DESIGNED BRIDGE HAS BEEN SPECIFIED FOR THE PALERMO WATERWAY BRIDGE. THE REQUIRED GEOMETRIC CONSTRAINTS ARE INDICATED ON THIS PLAN SET. THE DESIGN OF THE BRIDGE SHALL BE PER THE REQUIREMENTS OF THE LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION AND INTERIMS THROUGH 2015. THE UNIFORM PEDESTRIAN LIVE LOAD PER THIS STANDARD IS 90 PSF. THE DESIGN VEHICULAR LOAD PER THIS STANDARD IS AN H10.

THE BRIDGE SUBSTRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 10TH EDITION. A LIMITED SEISMIC DESIGN OF THIS STRUCTURE HAS BEEN COMPLETED AS REQUESTED BY THE OWNER. THE FOLLOWING PARAMETERS WERE USED FOR THE SEISMIC DESIGN:

RESPONSE SPECTRA PER AASHTO–USGS SEISMIC DESIGN GROUND MOTION DATABASE
SITE CLASS = D/E
IMPORTANCE CATEGORY = OTHER BRIDGE

THE REACTION LOADS APPLIED BY THE CONTRACTOR DESIGNED BRIDGE WERE ESTIMATED IN ORDER TO DESIGN THE BRIDGE SUBSTRUCTURE. THE CONTRACTOR SHALL ENSURE THAT THE REACTIONS APPLIED TO THE SUBSTRUCTURE DO NOT EXCEED THE VALUES SHOWN IN THE 'PRELIMINARY BRIDGE REACTIONS' TABLE, THIS SHEET.

ALL CAST–IN–PLACE CONCRETE SHALL BE CLASS 4000 UNLESS NOTED OTHERWISE.

ALL REINFORCING STEEL SHALL BE GRADE 60. UNLESS OTHERWISE SHOWN IN THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 2 1/2" AT THE TOP OF THE BRIDGE DECK, 1" AT THE BOTTOM OF THE BRIDGE DECK, 3" AT THE BOTTOM OF THE FOOTING, 2" AT THE TOP OF THE FOOTING, AND 2" AT ALL OTHER LOCATIONS.

THE PIPE PILE SHALL BE PER ASTM A252 GRADE 2. THE PILES SHALL BE DRIVEN TO A DEPTH SUFFICIENT TO DEVELOP A MINIMUM NOMINAL AXIAL BEARING CAPACITY OF 115 TONS PER PILE AT STRENGTH OR EXTREME EVENT LIMIT STATES WITH A RESISTANCE FACTOR OF 0.45 AT THE STRENGTH LIMIT STATE IN ACCORDANCE WITH THE SPECIFICATIONS. SEE THE GEOTECHNICAL REPORT FOR PILE DRIVING RECOMMENDATIONS.

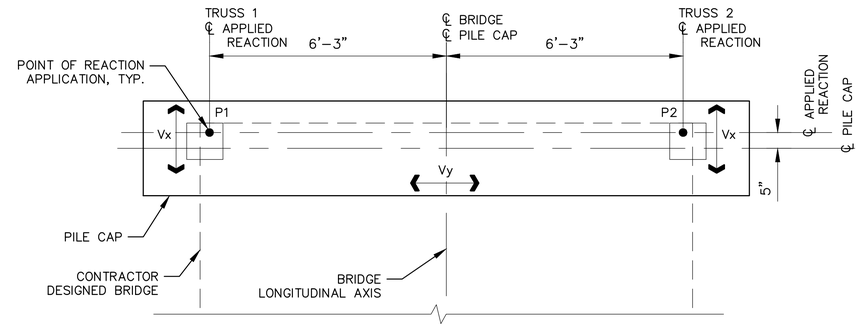
FORMWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNDUE STRESS IN THE STRUCTURE.

STANDARD ABBREVIATIONS

A.B.	ANCHOR BOLT	E.W.	EACH WAY	MISC.	MISCELLANEOUS		TOP OF COLUMN
ALT.	ALTERNATE					T.O.S.	TOP OF STEEL
A.F.F.	ABOVE FINISH FLOOR	F.O.C.	FACE OF CONCRETE	NBSEI	NOT BY SEI		
A.C.P.	ASPHALT CONCRETE PAVING	F.O.F	FACE OF FASCIA	N.I.C.	NOT IN CONTRACT	UNO	UNLESS NOTED OTHERWISE
		F.O.W.	FACE OF WALL	N.T.S.	NOT TO SCALE		
BOTT.	BOTTOM	FT.	FOOT OR FEET	NO.	NUMBER	VERT.	VERTICAL
B/W	BETWEEN						
		HORIZ.	HORIZONTAL	O.C.	ON CENTER	WHS	WELDED HEADED STUD
C.I.P.	CAST–IN–PLACE			O.D.	OUTSIDE DIAMETER	WTS	WELDED THREADED STUD
C.M.U.	CONCRETE MASONRY UNITS	I.D.	INSIDE DIAMETER			W.W.F.	WELDED WIRE FABRIC
CONC.	CONCRETE			PAV.	PAVING	W/	WITH
C.R.S.I.	CONCRETE REINFORCING STEEL	K.	KIPS	PLF	POUNDS PER LINEAL FOOT		
				PSF	POUNDS PER SQUARE FOOT		
INSTITUTE		LBS.	POUNDS	PSI	POUNDS PER SQUARE INCH	STANDARD SYMBOLS	
CONT.	CONTINUOUS	LF	LINEAR FOOT (FEET)	PT	PRESSURE TREATED	@	AT
		LL	LIVE LOAD			℄	CENTERLINE
DBL.	DOUBLE	LP	LOW POINT	R.	RADIUS OR RISER	ø	DIAMETER
DIA.	DIAMETER	LLH	LONG LEG HORIZONTAL			#	NUMBER
D.L.	DEAD LOAD	LLV	LONG LEG VERTICAL	SEI	SARGENT ENGINEERS INC.		
				SIM.	SIMILAR		
EA.	EACH	MAX.	MAXIMUM				
EOR	ENGINEER OF RECORD	MFR.	MANUFACTURER	T.O.B.	TOP OF BEAM		
EL., ELEV.	ELEVATION	MIN.	MINIMUM	T.O.C.	TOP OF CONCRETE OR		

LEGEND

- B / 5 — IDENTIFIES SECTION, VIEW OR DETAIL; SHOWN ON SHEET 5
- B / – — DASH INDICATES SECTION, VIEW OR DETAIL IS TAKEN AND SHOWN ON THE SAME SHEET.
- E — EPOXY COATED REINFORCING STEEL



CONTRACTOR DESIGNED BRIDGE REACTION APPLICATION DIAGRAM

SCALE: ½"=1'–0"
SIMILAR AT BOTH ABUTMENTS

THE ABUTMENTS HAVE BEEN DESIGNED BASED ON THE ESTIMATED PRELIMINARY REACTIONS LISTED IN THE TABLE BELOW. THE BRIDGE DESIGNER SHALL VERIFY THAT THE REACTIONS IMPARTED BY THE CONTRACTOR DESIGNED BRIDGE DO NOT EXCEED THE VALUES INCLUDED IN THE TABLE.

PRELIMINARY BRIDGE REACTIONS						
	DC	DW	LL	PL	WS	TU
P1 (KIP)	24.8	0.0	11.3	23.0	2.4	0.0
P2 (KIP)	24.8	0.0	8.2	23.0	-12.8	0.0
Vx (KIP)	0.0	0.0	0.0	0.0	0.0	3.2
Vy (KIP)	0.0	0.0	0.0	0.0	20.5	0.0

P1 IS THE VERTICAL REACTION APPLIED AT TRUSS 1 BEARING
P2 IS THE VERTICAL REACTION APPLIED AT TRUSS 2 BEARING
Vx IS THE LATERAL REACTION, PER BEARING, APPLIED IN A DIRECTION PARALLEL TO THE LONGITUDINAL AXIS OF THE BRIDGE,
Vy IS THE LATERAL REACTION, PER ABUTMENT, APPLIED IN A DIRECTION TRANSVERSE TO THE LONGITUDINAL AXIS OF THE BRIDGE

LOADS ARE APPLIED AT THE TOP OF THE PILE CAP.

LOAD DEFINITIONS PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS:
- DC = DEAD LOAD OF STRUCTURAL COMPONENTS AND NONSTRUCTURAL ATTACHMENTS
- DW = DEAD LOAD OF WEARING SURFACES AND UTILITIES
- LL = VEHICULAR LIVE LOAD
- PL = PEDESTRIAN LIVE LOAD
- WS = WIND LOAD ON STRUCTURE
- TU = FORCE EFFECT DUE TO UNIFORM TEMPERATURE

Rev.	Date	By	Revision
.	.	.	.

CLIENT REFERENCE:25–000313

SCOTT CHRISTOPHER OLSON — STATE OF WASHINGTON — 50100 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — PRELIMINARY

SARGENT ENGINEERS, INC.
320 Ronlee Lane NW, Olympia, WA 98502
Tel. 360 867–9284

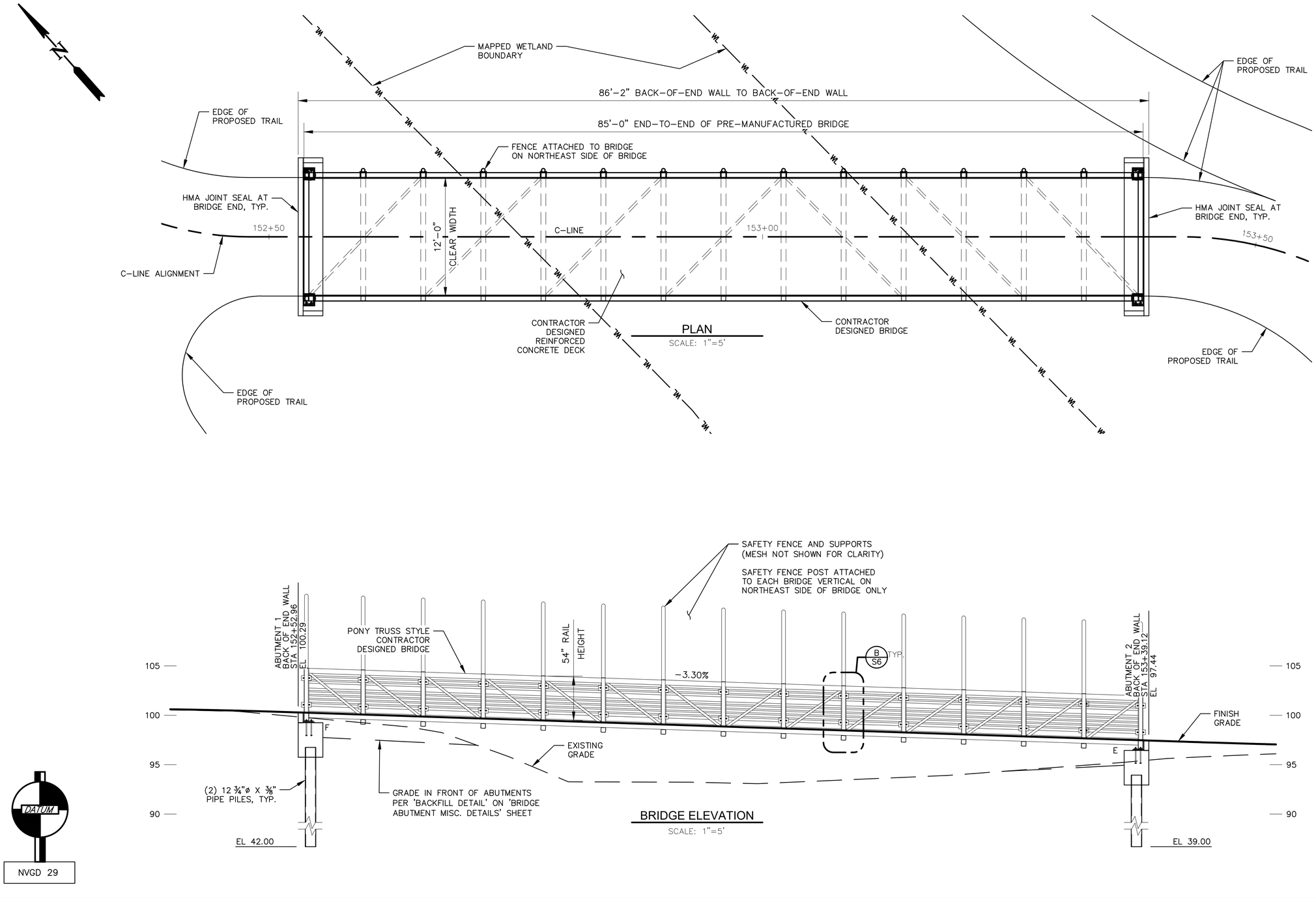
DESCHUTES VALLEY TRAIL
SEGMENT C

BRIDGE STRUCTURAL NOTES

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

SHEET
S1
116
OF
147
SHEETS
SEI REF NO.
A25139.00

Plotted: Aug 7, 2026 – 15:08 Scott0 B:\25Files\A25139.00 SCJ – Deschutes Valley Trail\Drawings\S1 Structural Notes.dwg Layout Name: S1 Bridge Structural Notes xrefs: titlesht / xbx / xbe / xbp



Rev.	Date	By	Revision
.	.	.	.

CLIENT REFERENCE:25–000313

SCOTT CHRISTOPHER OLSON — STATE OF WASHINGTON — 50100 — PROFESSIONAL ENGINEER — STRUCTURAL ENGINEER

PRELIMINARY

SARGENT
SARGENT ENGINEERS, INC.
320 Ronlee Lane NW, Olympia, WA 98502
Tel. 360 867–9284

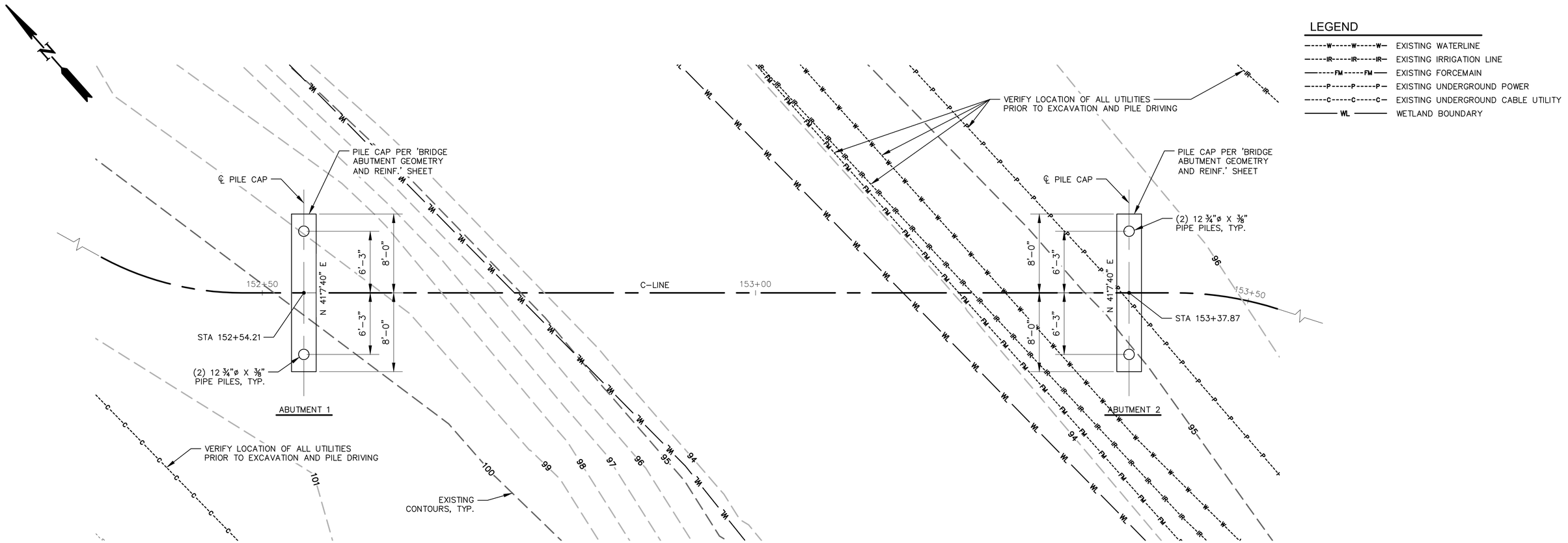
DESCHUTES VALLEY TRAIL
SEGMENT C

BRIDGE PLAN AND PROFILE

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

SHEET
S2
117
OF
147
SHEETS
SEI REF NO.
A25139.00

Plotted: Aug 7, 2026 – 15:08 Scott0 B:\25Files\A25139.00 SCJ – Deschutes Valley Trail\Drawings\S2 Bridge Plan and Profile.dwg Layout Name: S2 Bridge Plan and Profile xrefs: titlesht / xbp / xbe / _25-000313-X-SV / _25-000313-X-MRP



FOUNDATION PLAN

5 0 5 10
SCALE IN FEET

Rev.	Date	By	Revision
.	.	.	.

CLIENT REFERENCE: 25–000313

PRELIMINARY
SCOTT CHRISTOPHER OLSON
STATE OF WASHINGTON
50100
PROFESSIONAL ENGINEER

SARGENT
SARGENT ENGINEERS, INC.
320 Ronlee Lane NW, Olympia, WA 98502
Tel. 360 867–9284

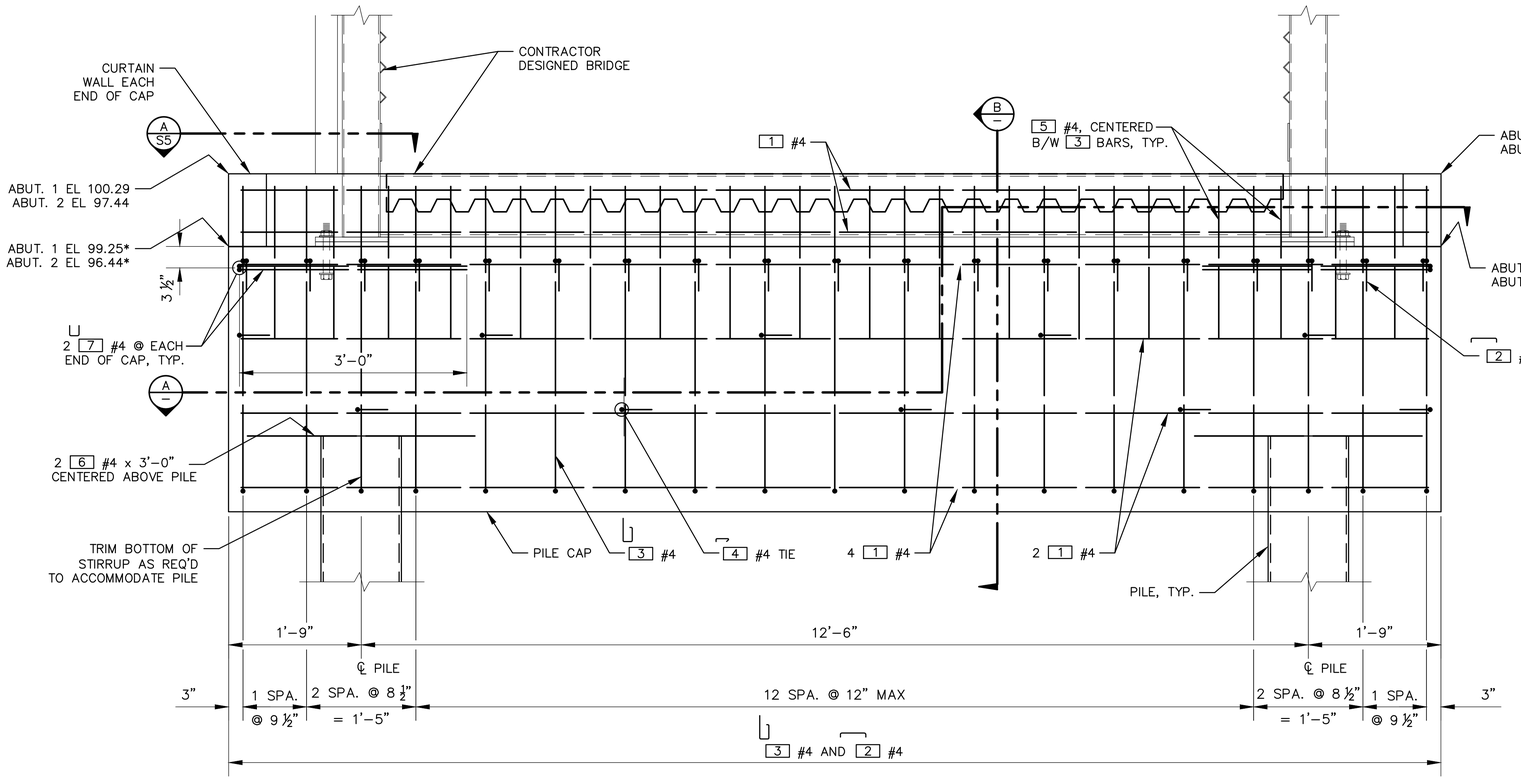
DESCHUTES VALLEY TRAIL
SEGMENT C

BRIDGE FOUNDATION LAYOUT

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

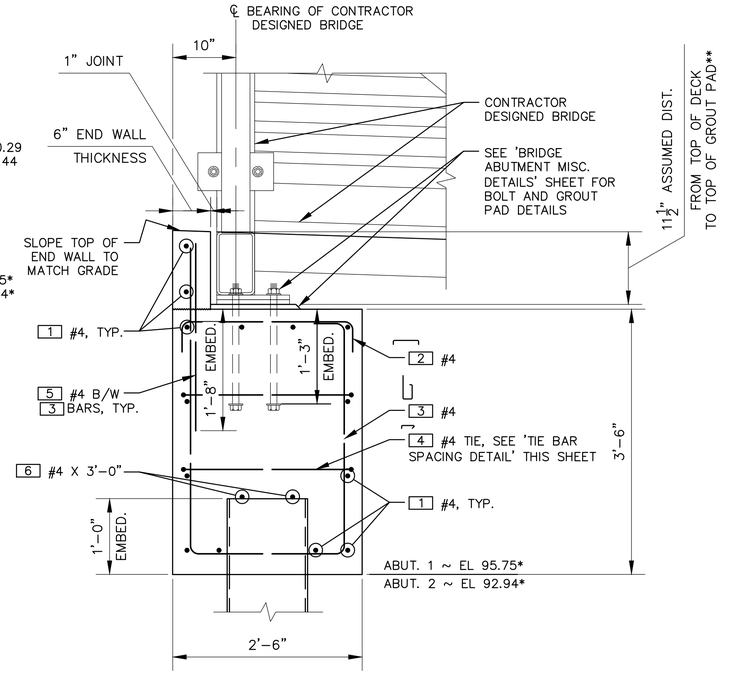
SHEET
S3
118
OF
147
SHEETS
SEI REF NO.
A25139.00

Plotted: Aug 7, 2026 – 15:08 Scott0 B:\25Files\A25139.00 SCJ – Deschutes Valley Trail\Drawings\S2 Bridge Plan and Profile.dwg Layout Name: S3 Bridge Foundation Layout xrefs: titlesht / xbp / xbe / _25–000313–X–SV / _25–000313–X–MRF



ABUTMENT ELEVATION

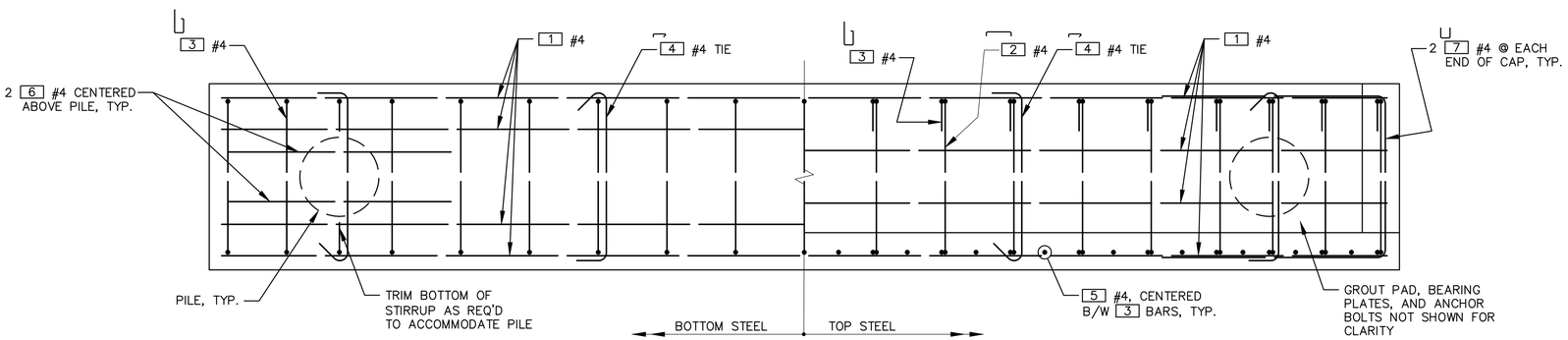
SCALE: 1"=1'–0"
LOOKING AHEAD ON STATION FOR BOTH ABUTMENTS
ELEVATIONS SHOWN ARE TAKEN BACK OF END WALL
*ADJUST ELEVATION AS REQUIRED BASED ON FINAL SUPERSTRUCTURE DEPTH



SECTION B (-)

SCALE: 1" = 1'–0"

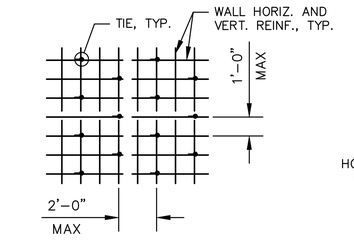
ALL DIMENSION SHOWN PERPENDICULAR TO ABUTMENT CENTERLINE
*ADJUST ELEVATION AS REQUIRED BASED ON FINAL SUPERSTRUCTURE DEPTH
**VERIFY BASED ON CONTRACTOR DESIGNED BRIDGE DOCUMENTS (CAN VARY BY UP TO ±6")



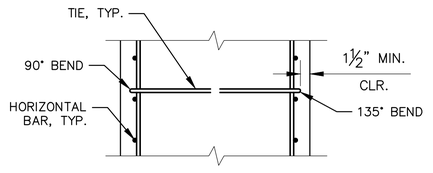
SECTION A (-)

SCALE: 1" = 1'–0"

LOOKING AHEAD ON STATION FOR ABUTMENT 1
ABUTMENT 2 SIMILAR



TIE BAR SPACING DETAIL



TIED BAR DETAIL

ALTERNATE 135 BEND EVERY OTHER TIE

Rev.	Date	By	Revision
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CLIENT REFERENCE:25–000313

SCOTT CHRISTOPHER OLSON — STATE OF WASHINGTON — 50100 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — PRELIMINARY

SARGENT ENGINEERS, INC.
320 Ronlee Lane NW, Olympia, WA 98502
Tel. 360 867–9284

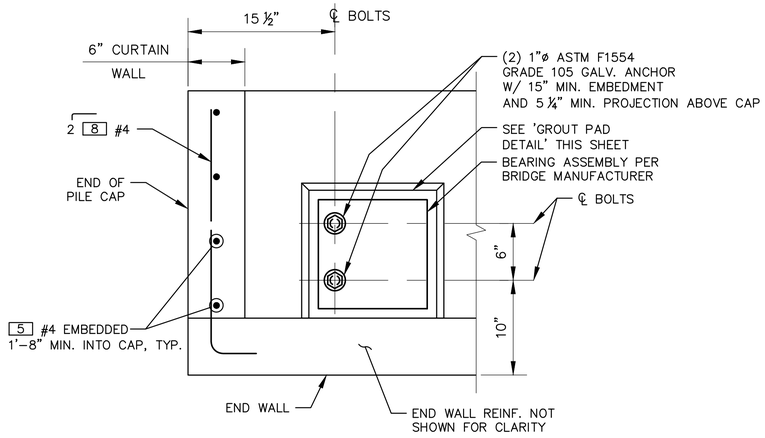
DESCHUTES VALLEY TRAIL
SEGMENT C

BRIDGE ABUTMENT GEOMETRY AND REINF.

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

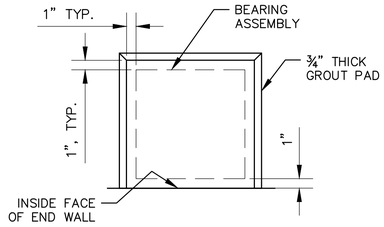
SHEET
S4
119
OF
147
SHEETS
SEI REF NO.
A25139.00

Plotted: Aug 7, 2026 – 15:08 ScottO B:\25Files\A25139.00 SCJ – Deschutes Valley Trail\Drawings\S1 Structural Notes.dwg Layout Name: S4 Bridge Abutment Geometry and Reinf. xrefs: titlesht / xbx / xbe / xbp



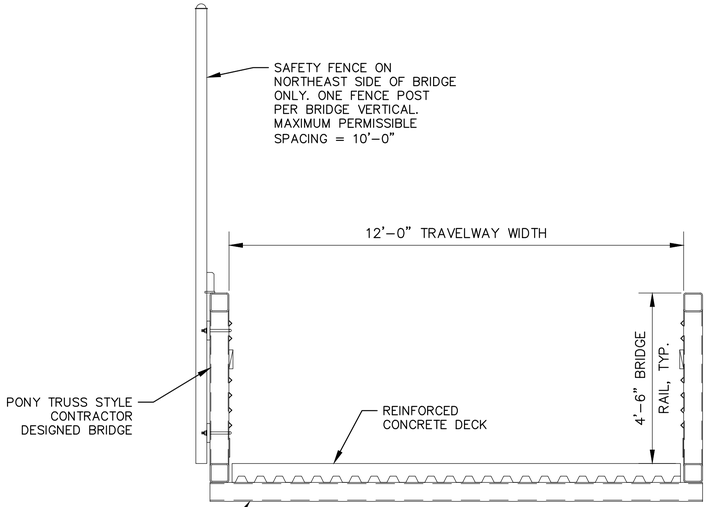
ANCHOR BOLTS AND CURTAIN WALL DETAIL (A / -)

SCALE: 1 ½" = 1'-0"
VERIFY BOLT SIZE AND LOCATION WITH CONTRACTOR DESIGNED BRIDGE DESIGNER



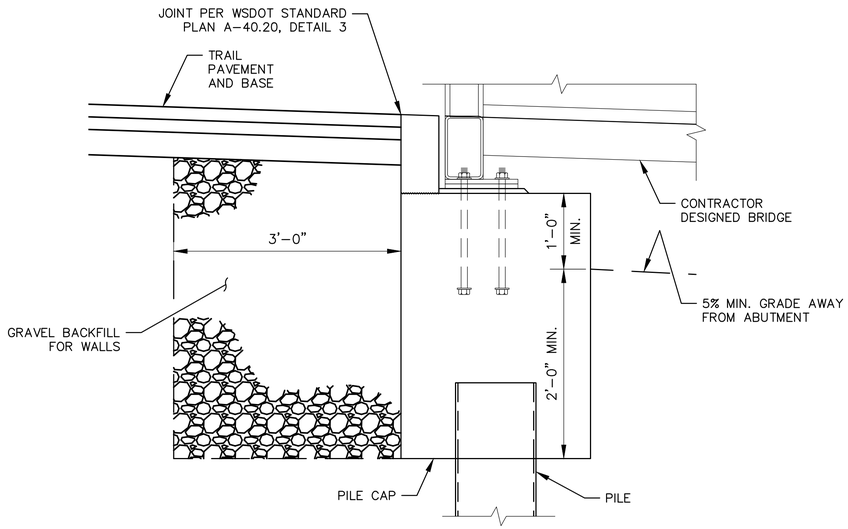
GROUT PAD DETAIL

SCALE: 1" = 1'-0"
TYP. AT ALL BEARINGS



SCHEMATIC CONTRACTOR DESIGNED BRIDGE SECTION

SCALE: ½" = 1'-0"



BACKFILL DETAIL

SCALE: 1" = 1'-0"
TYP. AT EACH ABUTMENT
LIMITS OF STRUCTURE EXCAVATION CLASS A INCL. HAUL TO INCLUDE EXCAVATION REQUIRED TO INSTALL GRAVEL BACKFILL FOR WALLS

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CLIENT REFERENCE:25-000313

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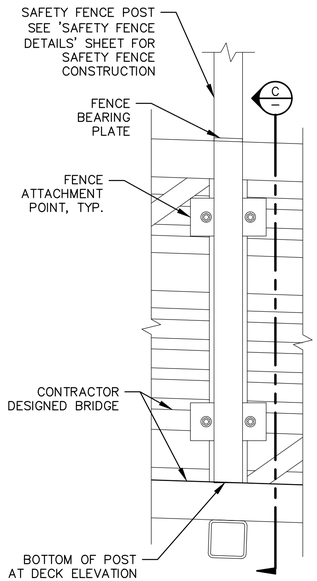
DESCHUTES VALLEY TRAIL
SEGMENT C

BRIDGE ABUTMENT MISC. DETAILS

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

SHEET
S5
120
OF
147
SHEETS
SEI REF NO.
A25139.00

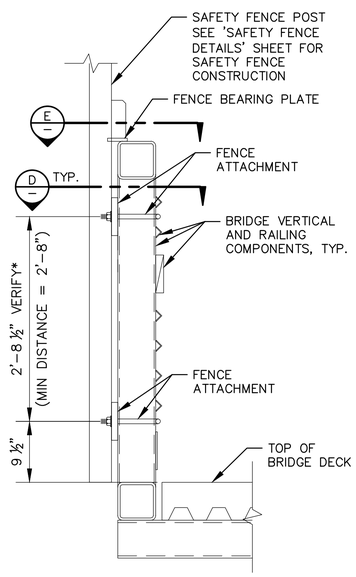
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FENCE ATTACHMENT ELEVATION (B)

SCALE: 1" = 1'–0"

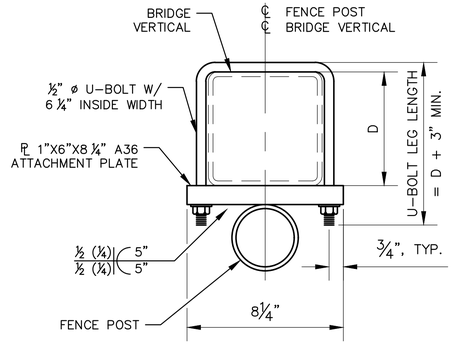
LOADS TRANSFERRED TO BRIDGE SHALL BE ACCOUNTED FOR BY BRIDGE DESIGNER. SEE 'LOAD TRANSFER DIAGRAM' THIS SHEET.



FENCE ATTACHMENT SECTION (C)

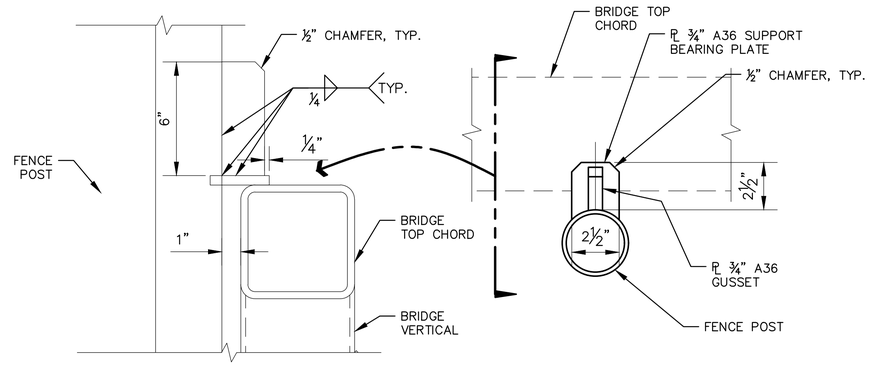
SCALE: 1" = 1'–0"

*VERIFY ATTACHMENT POINTS ARE COMPATIBLE WITH RAILING OF CONTRACTOR DESIGNED BRIDGE. ADJUST VERTICAL LOCATION OF ATTACHMENT POINTS AS REQ'D, MAINTAINING MINIMUM SPACING SHOWN



FENCE ATTACHMENT DETAIL (D)

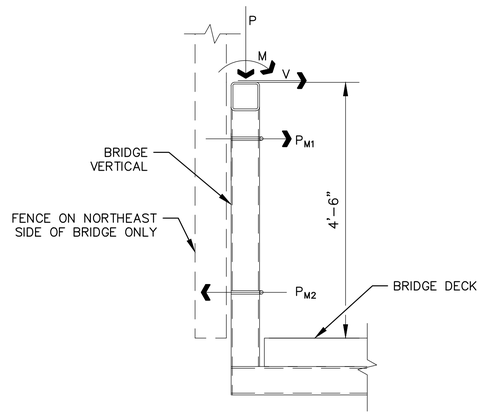
SCALE: 1" = 1'–0"
D = BRIDGE MEMBER DEPTH



FENCE BEARING PLATE DETAIL (E)

SCALE: 1" = 1'–0"

DO NOT WELD B/W SUPPORT BEARING PLATE AND BRIDGE



LOAD TRANSFER DIAGRAM

SCALE: 1" = 1'–0"
LOAD APPLIED ARE LISTED IN THE 'BRIDGE FENCE ATTACHMENT LOAD TABLE', THIS SHEET

BRIDGE FENCE ATTACHMENT LOAD TABLE		
	DC	WS*
P (KIP)	0.23	0.00
M (KIP-FT)	0.10	0.92
V (KIP)	0.00	0.25

LOADS ARE UNFACTORED AND BASED ON 6–FOOT POST AND BRIDGE VERTICAL SPACING. IF SPACING VARIES FROM THIS, RATIO LOADS TO ACTUAL SPACING. MAXIMUM PERMISSIBLE SPACING ON BRIDGE BASED ON ATTACHMENT DESIGN IS 10 FEET.

MOMENTS ARE TRANSFERRED TO BRIDGE VIA FORCE COUPLE P_{M1} AND P_{M2} AT FENCE ATTACHMENT POINTS (DETAILED THIS SHEET). THESE SHOULD BE DETERMINED AND APPLIED AS APPROPRIATE BY BRIDGE DESIGNER BASED ON FINAL BRIDGE CONFIGURATION.

VERTICAL FORCES ARE TRANSFERRED TO BRIDGE VIA BEARING PLATE (DETAILED THIS SHEET).

* WIND LOAD ON STRUCTURE (WS) REPRESENTS WIND LOAD ON FENCE ABOVE BRIDGE RAIL. WIND LOAD BELOW TOP OF BRIDGE RAIL SHOULD BE DETERMINED BY BRIDGE DESIGNER.

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CLIENT REFERENCE: 25–000313

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SARGENT ENGINEERS, INC.
320 Ronlee Lane NW, Olympia, WA 98502
Tel. 360 867–9284

DESCHUTES VALLEY TRAIL
SEGMENT C

BRIDGE FENCE ATTACHMENT DETAILS

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

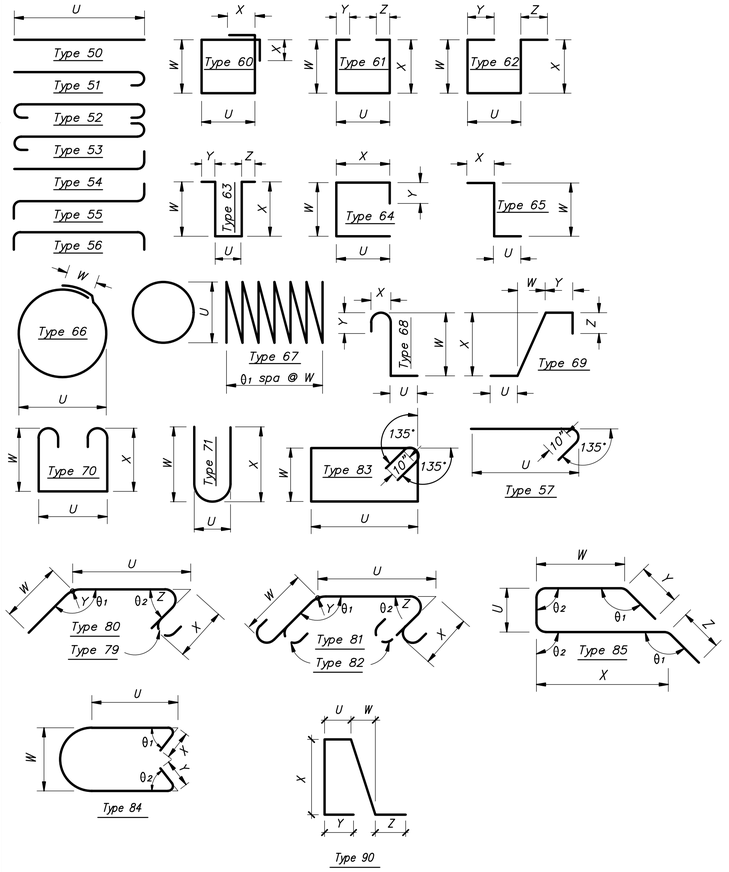
SHEET
S6
121
OF
147
SHEETS
SEI REF NO.
A25139.00

Plotted: Aug 7, 2026 – 15:08 Scott0 B:\25Files\A25139.00 SCJ – Deschutes Valley Trail\Drawings\S1 Structural Notes.dwg Layout Name: S6 Bridge Fence Attachment Details xrefs: titlesht / xbx / xbe / xbp

S=Bar Is Included In Substructure Quantities
F=Bar is to be Field Welded
T=Tie or Stirrup.
E=Bar is to be Epoxy Coated
V=Bar dimensions vary between dimensions shown on this line and following line.

Mark No.	Location	Size	No. Req'd	Bend Type	Tie or Stir.	Fld. Weld	Substr.	Epoxy Coat	Varies	No. Each	DIMENSIONS (OUT TO OUT) U Ft.	U In.	W Ft.	W In.	X Ft.	X In.	Y Ft.	Y In.	Z Ft.	Z In.	θ1 Deg	θ2 Deg	Length Ft.	Length In.	Weight
	ABUTMENTS																								
1	ABUTMENT LONG	4	28	50			S			1	15	8.0											15	8.0	293
2	ABUTMENT TOP TIES	4	38	80	T					1	2	2.0	0	4.8	0	4.8	0	0.0	0	0.0	90	90	2	11.0	74
3	ABUTMENT STIRRUP	4	38	61	T					1	2	2.0	4	1.3	3	1.0	0	0.0	0	4.8			9	6.0	241
4	HORIZ TIE	4	20	80	T					1	2	3.0	0	4.8	0	5.0	0	0.0	0	0.0	90	45	3	0.0	40
5	END WALL VERT	4	44	50						1	3	0.0											3	0.0	88
6	TOP OF PILE	4	8	50						1	3	0.0											3	0.0	16
7	CAP END HOOKS	4	8	61						1	2	2.0	3	0.0	3	0.0	0	0.0	0	0.0			7	11.0	42
8	CURTAIN WALL HORIZ	4	8	54			S			1	2	2.0											2	9.0	15

REINFORCEMENT BENDING DIAGRAMS



REINFORCING NOTES:

1. All reinforcing bars on this sheet shall be AASTM A 706 Grade 60, unless shown otherwise.
2. Reinforcing for traffic barriers not shown in this Bar List. See Traffic Barrier Sheet.
3. Bend for transverse bars due to roadway crown conditions are not shown. These bars shall be bent as required to conform to the configuration of the structure.
4. Reinforcing for prestressed deck units not shown in this bar list. See Slab Sheet.
5. Contractor shall be responsible for verifying all dimensions & quantities of reinforcing steel. See Section 6-02.3(24) of the Standard Specifications.

Rev.	Date	By	Revision
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CLIENT REFERENCE:25-000313

SCOTT CHRISTOPHER OLSON STATE OF WASHINGTON 50100 PROFESSIONAL ENGINEER PRELIMINARY

SARGENT ENGINEERS, INC.
320 Ronlee Lane NW, Olympia, WA 98502
Tel. 360 867-9284

DESCHUTES VALLEY TRAIL
SEGMENT C

BRIDGE FOUNDATION BARLIST

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

SHEET S7 122 OF 147 SHEETS
SEI REF NO. A25139.00

Plotted: Aug 7, 2026 - 15:08 ScottO B:\25Files\A25139.00 SCJ - Deschutes Valley Trail\Drawings\S1 Structural Notes.dwg Layout Name: S7 Bridge Foundation Barlist xrefs: titlesht / xbx / xbe / xbp

SAFETY FENCING NOTES

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2026.

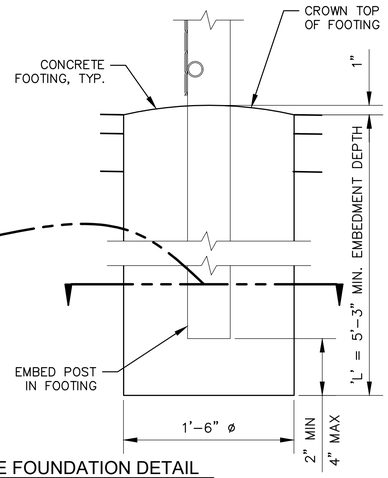
CONSTRUCTION DETAILS SHOWN ARE FOR 12–FOOT TALL SAFETY FENCE.

FOR 6–FOOT TALL FENCE, CONSTRUCT FENCE AND FOUNDATIONS PER WSDOT STANDARD PLAN L–20.10 FOR TYPE 3 CHAIN LINK FENCE.

AT TRANSITION POSTS BETWEEN SAFETY FENCE AND TYPE 3 CHAIN LINK FENCE, SIZE POST AND FOUNDATION BASED ON DETAILS THIS SHEET (IN LIEU OF STANDARD PLAN DETAILS).

MATERIALS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION 9–16. ALL STEEL PIPE (POSTS AND RAILS) SHALL BE PER ASTM F1043, HIGH STRENGTH GRADE (FY = 50 KSI MIN.).

ALL FENCE COMPONENTS (POSTS, RAILS, FITTINGS, ETC.) AND CHAIN LINK FABRIC SHALL BE COATED PER SPECIAL PROVISIONS.



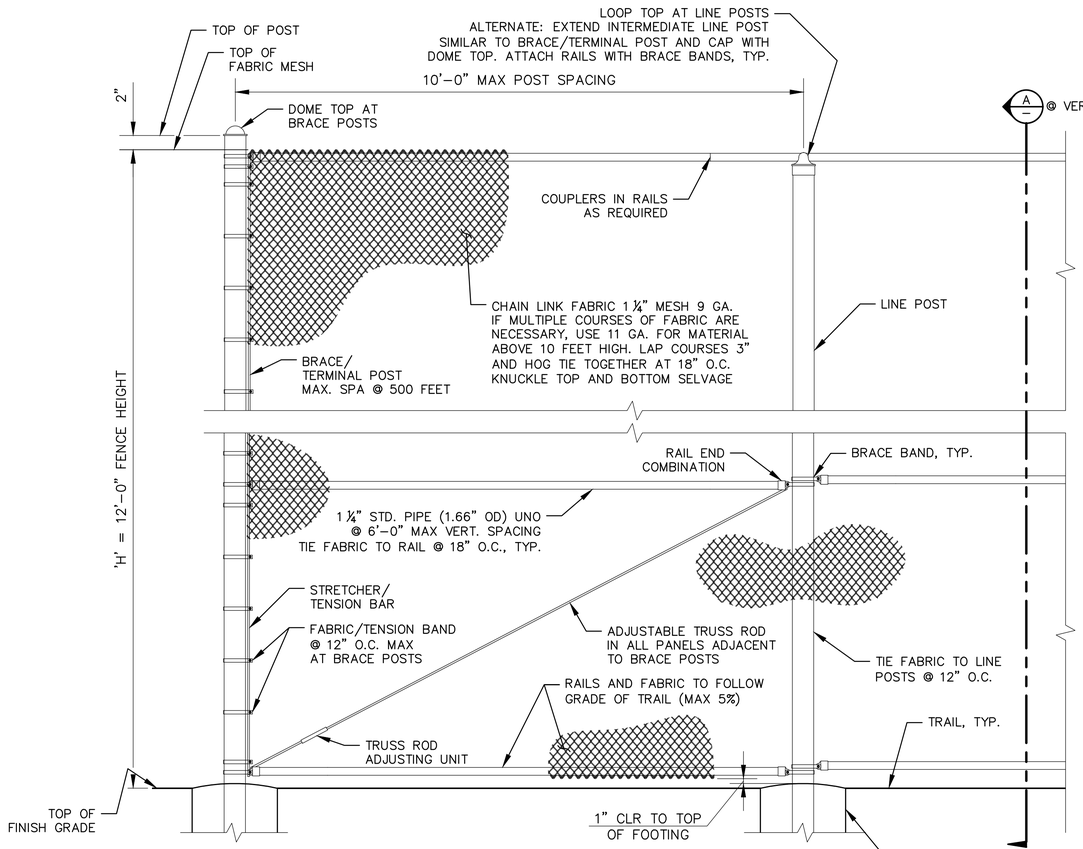
POLE FOUNDATION DETAIL

SCALE: ¾"=1'–0"

THE INSTALLATION PROCEDURE FOR THE POLE FOUNDATIONS IS TO BE DEVELOPED BY THE CONTRACTOR AND SHALL RESULT IN A FINISHED TRAIL SURFACE AND/OR EXPOSED CONCRETE SURFACE THAT MEETS THE REQUIREMENTS OF THE PERFORMANCE SPECIFICATION INCLUDED IN THE PROJECT SPECIAL PROVISIONS.

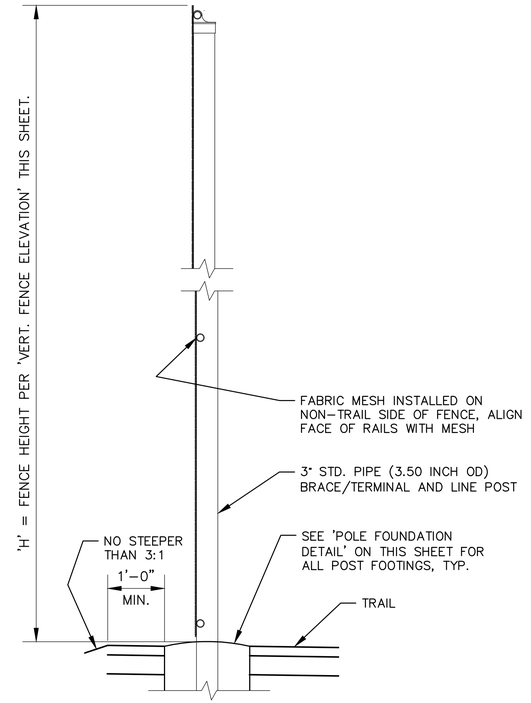
SPECIAL CARE SHALL BE TAKEN TO NOT DISTURB OR DAMAGE THE NEW ASPHALT SURFACE AT ALL FOUNDATIONS, BUT ESPECIALLY WHERE QUARRY SPALLS ARE REQUIRED BELOW THE TRAIL PAVING.

SEE 'ALTERNATE POLE FOUNDATION FINISHES' THIS SHEET FOR ADDITIONAL FOUNDATION FINISH OPTIONS



VERT. FENCE ELEVATION

SCALE: ¾"=1'–0"

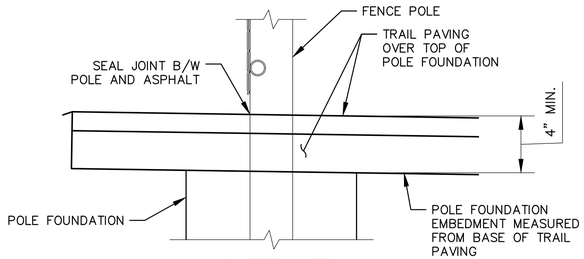


VERT. FENCE SECTION

SCALE: ¾" = 1'–0"

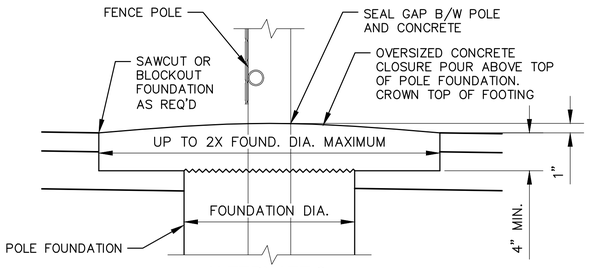
A

SEE 'VERT. FENCE ELEVATION' THIS SHEET FOR DETAILS NOT SHOWN



ALTERNATE 1

FOUNDATION SHOWN INSTALLED PRE–PAVING



ALTERNATE 2

FOUNDATION SHOWN INSTALLED POST–PAVING

ALTERNATE POLE FOUNDATION FINISHES

SCALE: ¾"=1'–0"
ALTERNATES SHOWN ARE NOT INTENDED TO ENCOMPASS ALL POSSIBLE METHODS OF INSTALLATION.

Rev.	Date	By	Revision
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CLIENT REFERENCE:25–000313

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320 Ronlee Lane NW, Olympia, WA 98502
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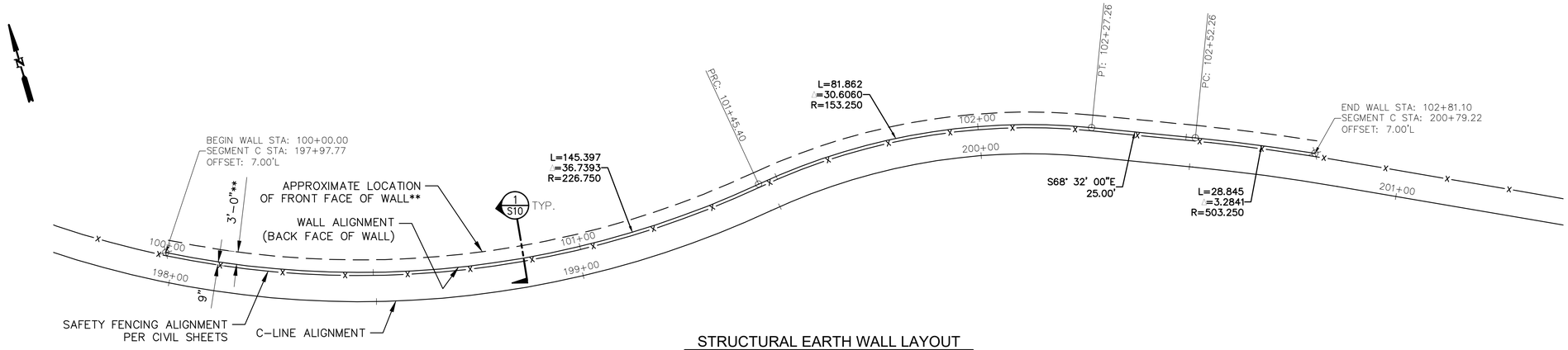
DESCHUTES VALLEY TRAIL
SEGMENT C

SAFETY FENCE DETAILS

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

SHEET
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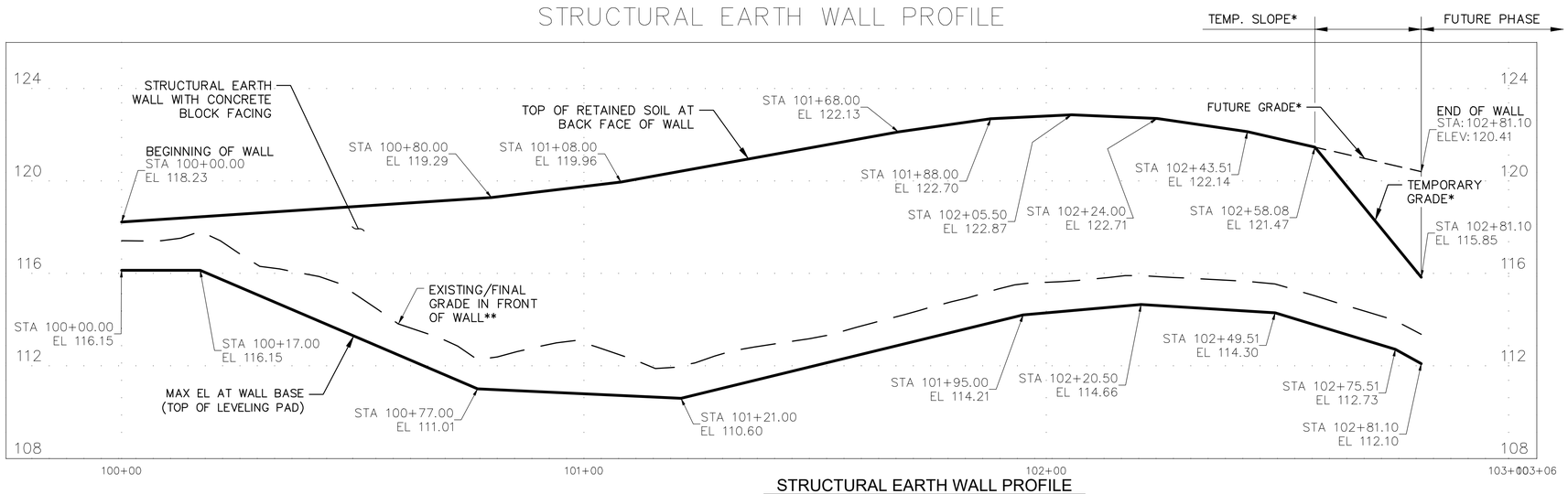
Plotted: Aug 7, 2026 – 15:08 Scott0 B:\25Files\A25139.00 SCJ – Deschutes Valley Trail\Drawings\S7 Safety Fence Details 1REV.dwg Layout Name: S8 Safety Fence Details xrefs: titlesht / xbx / xbe / xbp



STRUCTURAL EARTH WALL LAYOUT

SCALE: 1"=15'

STRUCTURAL EARTH WALL PROFILE



STRUCTURAL EARTH WALL PROFILE

SCALE: 1"=15'

* WALL EXTENSION PLANNED BEYOND PROFILE SHOWN FOR FUTURE PHASE. CONSTRUCT WALL TO TEMPORARY GRADE PROFILE. DESIGN AND CONSTRUCT THIS PORTION OF WALL SUCH THAT THE INSTALLED BLOCKS CAN REMAIN IN PLACE AND BE INCORPORATED INTO THE FUTURE WALL EXTENSION, WHICH WILL BE BASED ON THE FUTURE WALL GRADE PROFILE. DO NOT INSTALL DUAL-FACED BLOCKS AND CAPSTONE THIS SECTION.

** EXISTING/FINAL GRADE TAKEN AT A LOCATION 3'-0" IN FRONT OF THE WALL ALIGNMENT TO ACCOUNT FOR THE SLOPE OF THE EXISTING GRADE. THIS LOCATION WILL VARY WITH WALL HEIGHT DUE TO THE FACE BATTER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THEIR PROPOSED WALL LAYOUT ACCOUNTS FOR THE VARIED WIDTH/THICKNESS OF THEIR PROPOSED WALL SYSTEM.

STRUCTURAL EARTH WALL NOTES

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2026.

Rev.	Date	By	Revision
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CLIENT REFERENCE:25-000313

SCOTT CHRISTOPHER OLSON STATE OF WASHINGTON 50100 PROFESSIONAL ENGINEER STRUCTURAL ENGINEER PRELIMINARY

SARGENT
SARGENT ENGINEERS, INC.
320 Ronlee Lane NW, Olympia, WA 98502
Tel. 360 867-9284

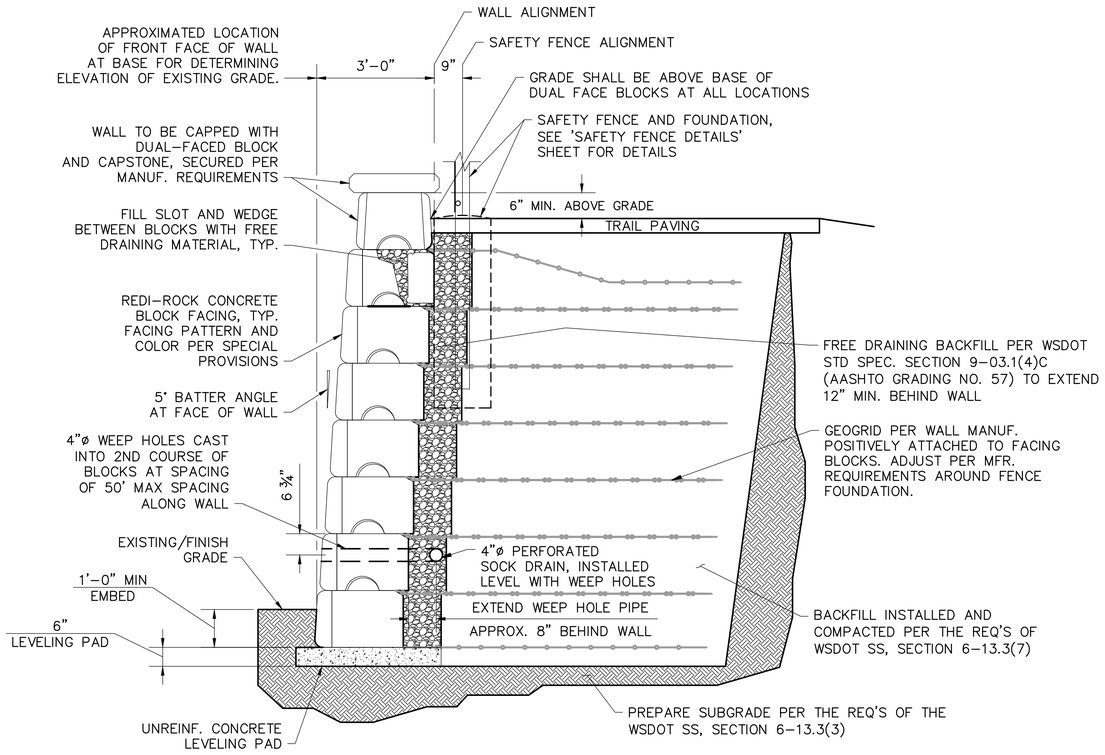
DESCHUTES VALLEY TRAIL
SEGMENT C

STRUCTURAL EARTH WALL LAYOUT

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

SHEET
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124
OF
147
SHEETS
SEI REF NO.
A25139.00

Plotted: Aug 7, 2026 - 15:08 Scott0 B:\25Files\A25139.00 SCJ - Deschutes Valley Trail\Drawings\S8 Structural Earth Wall Layout.dwg Layout Name: S9 Structural Earth Wall Layout xrefs: titlesht / xbp



TYP. STRUCTURAL EARTH WALL SECTION (1/–)

DETAIL IS REPRESENTATIVE OF A TYPICAL STRUCTURAL EARTH WALL. SPECIFIC DESIGN DETAILS TO BE DEVELOPED BY WALL FABRICATOR PER PROJECT SPECIFICATIONS

ALL COSTS ASSOCIATED WITH THE FURNISHING AND CONSTRUCTING WEEP HOLES, SOCK DRAIN, AND FREE DRAINING BACKFILL MATERIALS SHALL BE INCLUDED IN THE COST FOR THE STRUCTURAL EARTH WALL

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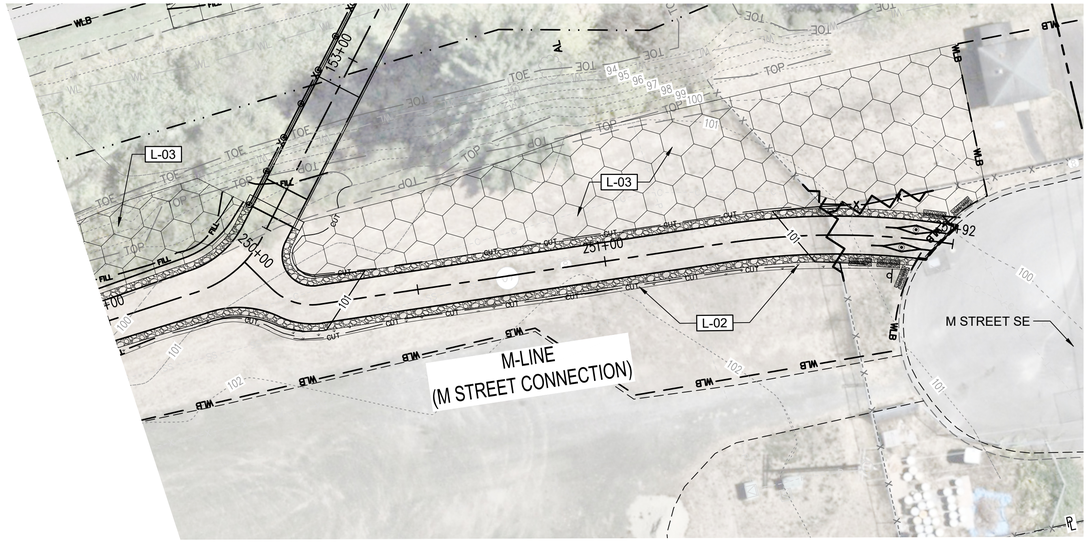
DESCHUTES VALLEY TRAIL
SEGMENT C

STRUCTURAL EARTH WALL DETAILS

DESIGN TEAM	
DESIGNED BY:	S.C. Olson
CHECKED BY:	Q.G. Calquhoun
PRJ. DRAFTER	S.C. Olson
	.
	.
ISSUED:	8/7/2026

SHEET
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OF
147
SHEETS
SEI REF NO.
A25139.00

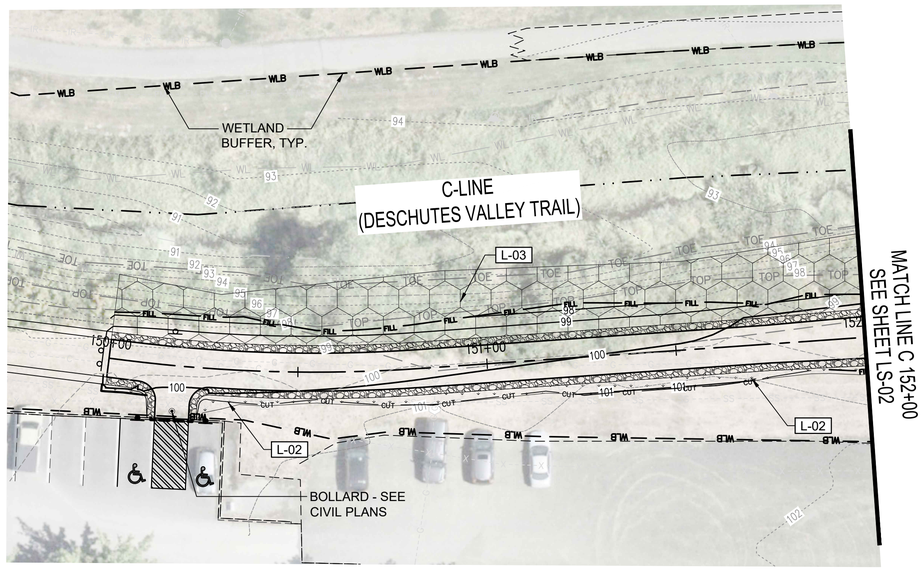
Plotted: Aug 7, 2026 – 15:08 Scott0 B:\25Files\A25139.00 SCJ - Deschutes Valley Trail\Drawings\S8 Structural Earth Wall Layout.dwg Layout Name: S10 Structural Earth Wall Details xrefs: titlesht / xbp



0 20 40 60 feet

SCALE: 1" = 20'

NORTH



0 20 40 60 feet

SCALE: 1" = 20'

NORTH

2026-08-03 12:08

REFERENCE NOTES SCHEDULE LS-01

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
	L-02	NATIVE SHRUB MIX 1 GAL. CONT. @ 3' O.C. SNOWBERRY (SYMPHORICARPOS ALBUS) MAHONIA NERVOSA (MAHONIA NERVOSA) SALAL (GAULTHERIA SHALLON) EVERGREEN HUCKLEBERRY(VACCINIUM OVATUM) DOUGLAS SPIREA (SPIRAEA DOUGLASII) ALL PLANT AREAS SHALL RECIEVE A 4" DEPTH OF COMPOST, PLANTS SHALL BE PIT PLANTED IN COMPOST AND SOIL, FINE GRADE ALL AREAS AFTER PLANTING.
	L-03	WETLAND MITIGATION PLANTING. SEE SHEET WM-01 THROUGH WM-06 FOR MORE INFORMATION.

HABITAT RESTORATION GENERAL NOTES

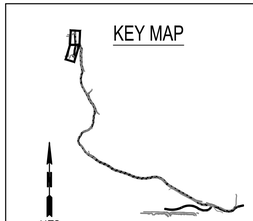
1. ALL DISTURBED AREAS SHALL BE PLANTED AND SHALL RECEIVE A MINIMUM 2" COMPOST LAYER. COMPOST SHALL BE TILLED IN TO A 6" DEPTH. TILLED SOIL SHALL THEN BE GRADED SMOOTH AND UNIFORM.
2. ALL DISTURBED AREAS (EXCEPT LANDSCAPE ISLANDS AT PARKING LOT) SHALL BE HYDROSEEDED WITH SPECIFIED SEED MIX AT SEED SUPPLIER'S RECOMMENDED APPLICATION RATE.
3. CONTRACTOR SHALL INSTALL BIODEGRADABLE EROSION CONTROL BLANKET PER WSDOT 9-14.5(2) ON ALL AREAS HAVING SLOPES 2:1 OR STEEPER.
4. AFTER SEED HAS ESTABLISHED, DURING PERIOD WHEN WEATHER CONDITIONS ARE FAVORABLE FOR SEEDLING PLANTING AND SURVIVAL (OCTOBER 15 THROUGH APRIL 15), CONTRACTOR SHALL INSTALL TREES & SHRUBS AS DIRECTED.
5. CONTRACTOR SHALL WATER IN ALL PLANTS AT TIME OF PLANTING.
6. INSTALL WOOD CHIP MULCH TO A DEPTH OF 3 INCHES IN A RING AROUND ALL SHRUB AND TREE PLANTINGS. MULCH RING SHALL COMPLETELY COVER WEED BARRIER MAT. PRIOR TO MULCH PLACEMENT TOPSOIL GRADE SHALL BE BROUGHT TO A UNIFORM LINE WITH NO SURFACE IRREGULARITIES. WATERING BERMS AROUND PLANTS SHALL BE HAND COMPACTED AND OF A SMOOTH AND EVEN GRADE PRIOR TO MULCH PLACEMENT. MULCH SHALL BE WATER-COMPACTED UPON PLACEMENT. NO NATIVE SOIL OR TOPSOIL SHALL BE LEFT VISIBLE ANYWHERE.
7. NO SUBSTITUTIONS SHALL BE CONSIDERED FOR PLANTS OR OTHER MATERIALS DURING THE BIDDING PROCESS.
8. CONTRACTOR SHALL WARRANTY ALL TREES AND SHRUBS, AND ALL OTHER PLANTS INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE HAS BEEN GRANTED, COMPLYING WITH WSDOT STANDARD SPECIFICATIONS 8-02.3(13)
9. CONTRACTOR SHALL PROVIDE WEED CONTROL IN ACCORDANCE WITH WSDOT 8-02.3(3)A PLANTING AREA WEED CONTROL.

2026-07-14 09:08

NATIVE SHRUB MIX SCHEDULE - ALL SHEETS

	NATIVE SHRUB MIX	48,432 SF		
	GAULTHERIA SHALLON / SALAL	9,686 SF	1 GAL, 3` O.C.	20%
	MAHONIA NERVOSA / OREGON GRAPE	9,686 SF	1 GAL, 3` O.C.	20%
	SPIRAEA DOUGLASII / WESTERN SPIREA	9,686 SF	1 GAL, 3` O.C.	20%
	SYMPHORICARPOS ALBUS / COMMON SNOWBERRY	9,686 SF	1 GAL, 3` O.C.	20%
	VACCINIUM OVATUM / EVERGREEN HUCKLEBERRY	9,686 SF	1 GAL, 3` O.C.	20%

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: L. ZEPEDA
DRAWN BY: L. ZEPEDA
APPROVED BY: T. GRANTHAM
ISSUE DATE: MAY 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-LS-00

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

STATE OF WASHINGTON · TRENT L. GRANTHAM · NO. 843 EXP. 07/20/2028 · LANDSCAPE ARCHITECT

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

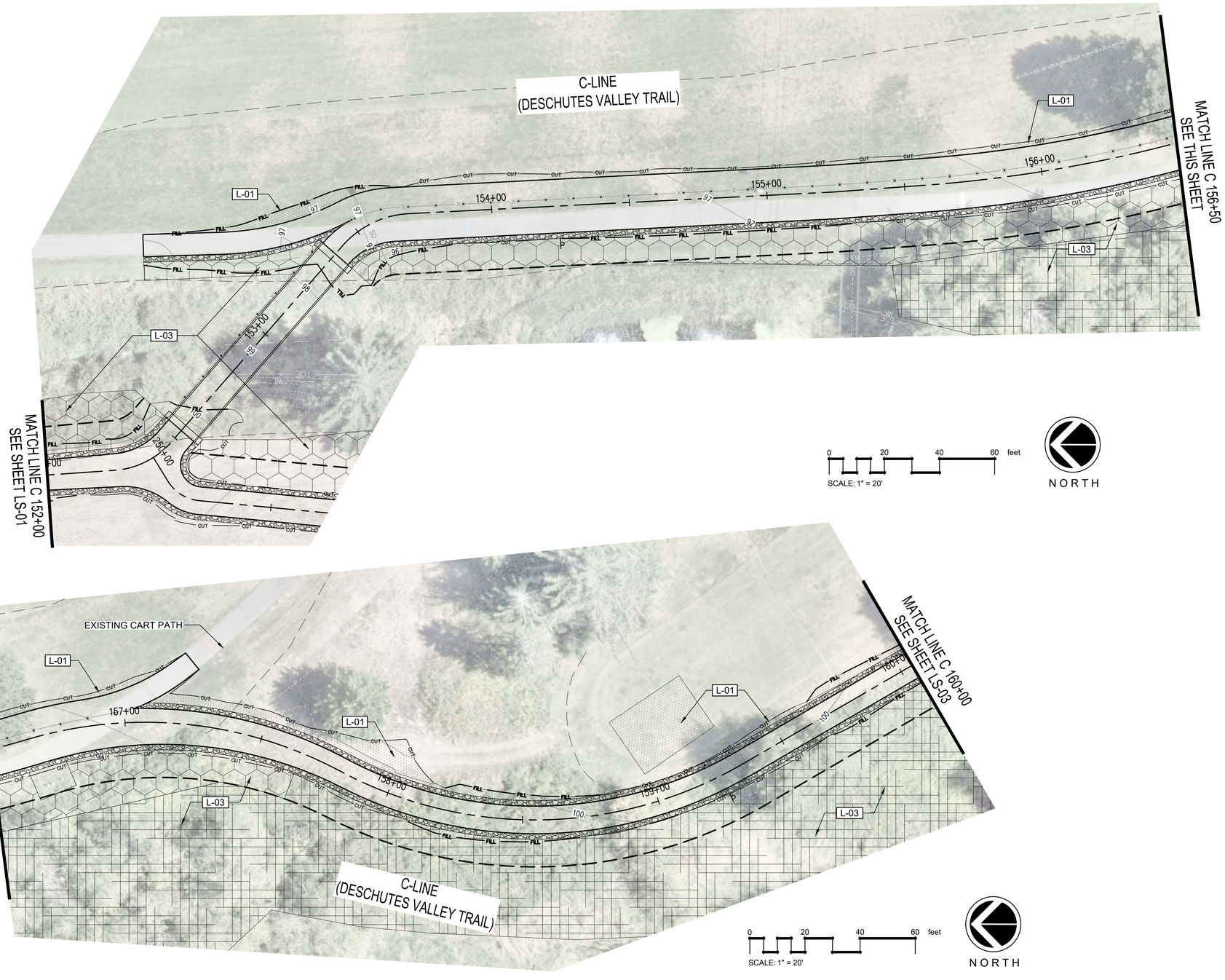
DESCHUTES VALLEY TRAIL
SEGMENT C

LANDSCAPE RESTORATION PLAN
C 150+00 TO C 152+00 & M 250+00 - M 251+85

DRAWING No.: LS-01

SHEET No.: 126 OF 147

Aug 20, 2026 1:24:05pm – User aubreyclelen
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2026-08-20 09:27

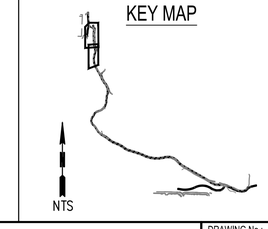
REFERENCE NOTES SCHEDULE LS-02

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
	L-01	SEED MIX SHALL BE A 3-WAY RYE MIX AS APPROVED BY GOLF COURSE SUPERINTENDENT. ALL SEED ARES SHALL RECIEVE A MIN. 4" LAYER OF TOPSOIL TYPE A, PER SPECIFICATIONS.
	L-03	WETLAND MITIGATION PLANTING. SEE SHEET WM-01 THROUGH WM-06 FOR MORE INFORMATION.

SHEET NOTES (ALL SHEETS)

1. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL DISTURBED AREAS SHALL BE HYDROSEEDED WITH SPECIFIED SEED MIX AT SEED SUPPLIER'S RECOMMENDED APPLICATION RATE.
3. ALL NEW LAWN AND LANDSCAPE AREAS SHALL BE WATERED BY AN UNDERGOUND IRRIGATION SYSTEM UTILIZING A STATE APPROVED BACKFLOW PREVENTOR AND A SMART CONTROLLER.
4. NO SUBSTITUTIONS SHALL BE CONSIDERED FOR PLANTS OR OTHER MATERAILS DURING THE BIDDING PROCESS.
5. ALL WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT/OWNER. CONTRACTOR SHALL WARRANTY ALL TREES, SHRUBS, AND OTHER PLANTS INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE HAS BEEN GRANTED.
6. PLANT LIST QUANTITIES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES IN LIST WITH ACTUAL PLAN CALL-OUTS, AND INSTALLING PLANTINGS PER THE LANDSCAPE PLAN. GROUNDCOVER QUANTITIES SHALL BE ADJUSTED AS REQUIRED FOR FIELD CONDITIONS AT THE SPECIFIED SPACING.
7. ALL PLANTS MUST BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
8. CONTRACTOR SHALL PROVIDE WEED CONTROL IN ACCORDANCE WITH WSDOT 8-02.3(3)A *PLANTING AREA WEED CONTROL*.

KEY MAP



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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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SCJALLIANCE.COM

PROJECT NAME:

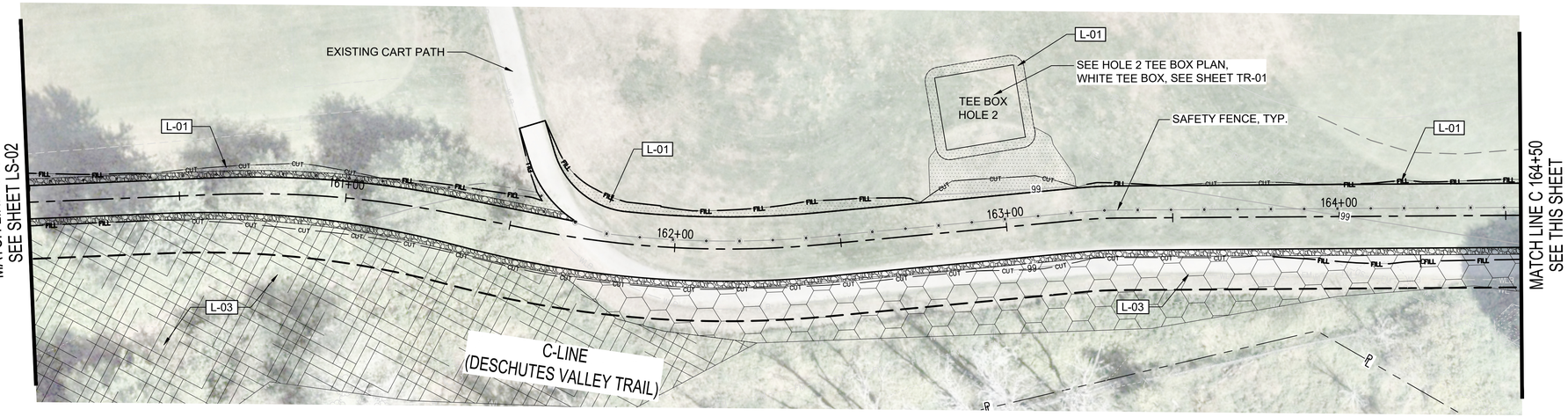
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

LANDSCAPE RESTORATION PLAN
C 152+00 - C 160+00

DRAWING No.: LS-02
SHEET No.: 127 OF 147

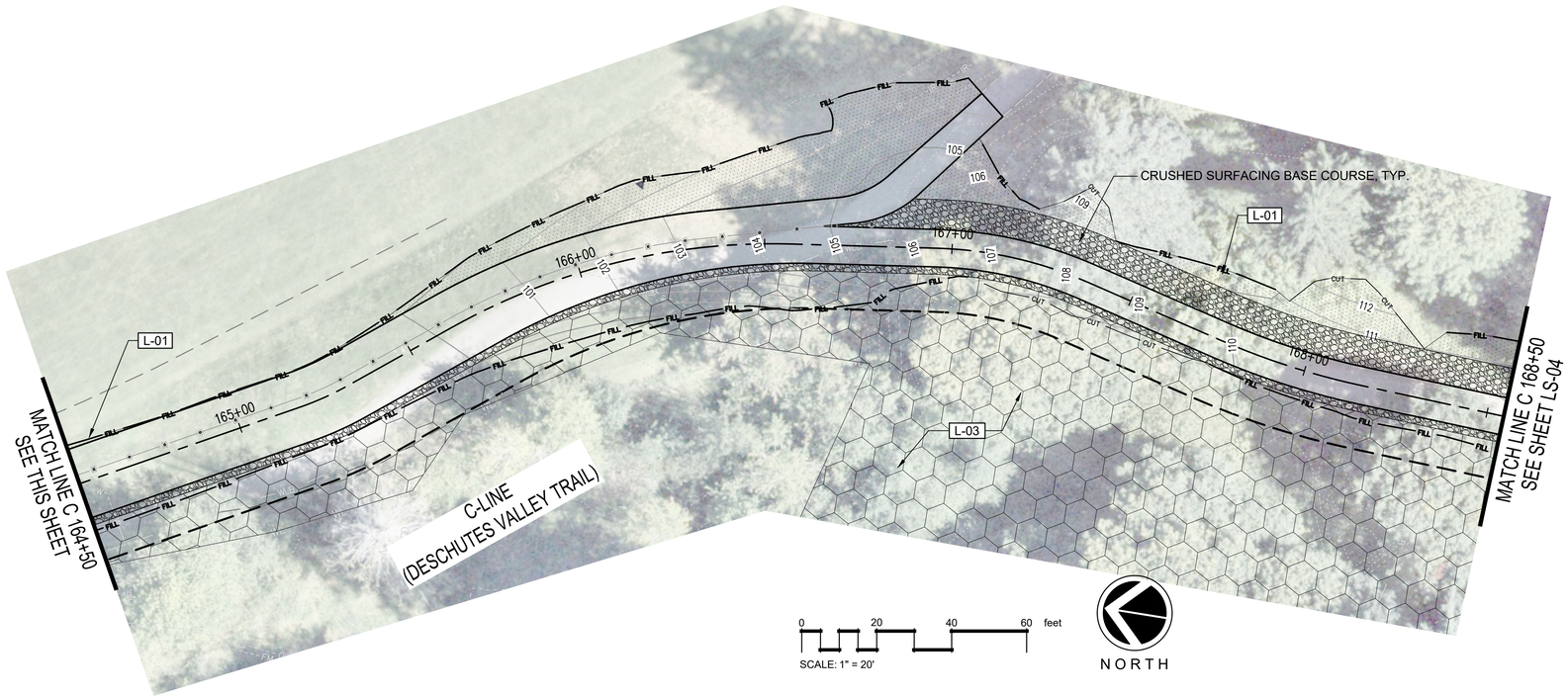
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0 20 40 60 feet

SCALE: 1" = 20'

NORTH



0 20 40 60 feet

SCALE: 1" = 20'

NORTH

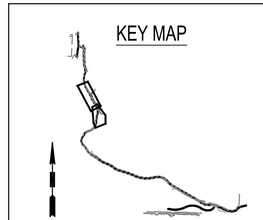
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REFERENCE NOTES SCHEDULE LS-03

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
	L-01	SEED MIX SHALL BE A 3-WAY RYE MIX AS APPROVED BY GOLF COURSE SUPERINTENDENT. ALL SEED ARES SHALL RECIEVE A MIN. 4" LAYER OF TOPSOIL TYPE A, PER SPECIFICATIONS.
	L-03	WETLAND MITIGATION PLANTING. SEE SHEET WM-01 THROUGH WM-06 FOR MORE INFORMATION.

NOTE: REFER TO SPECIFICATIONS FOR TEE BOX SOIL INFORMATION.

KEY MAP



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ISSUE DATE: MAY 2026
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JOB No.: 25-000313
APPROVED BY: T. GRANTHAM
DRAWING FILE No.: 25-000313-C-LS-01

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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

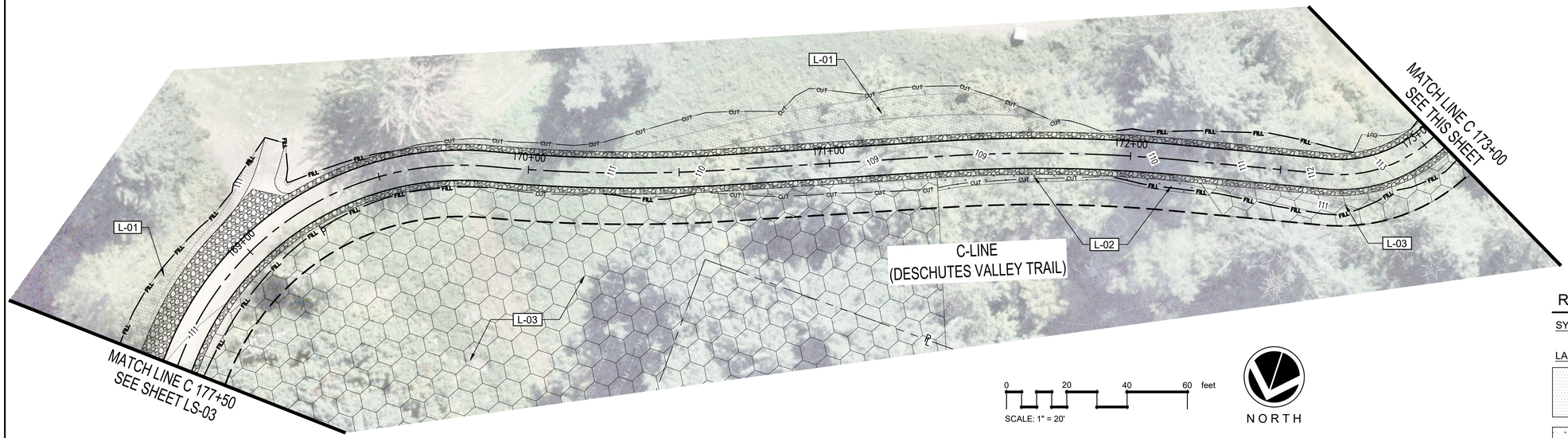
DESCHUTES VALLEY TRAIL
SEGMENT C

LANDSCAPE RESTORATION PLAN
C 160+00 - C 168+50

DRAWING No.: LS-03

SHEET No.: 128 OF 147

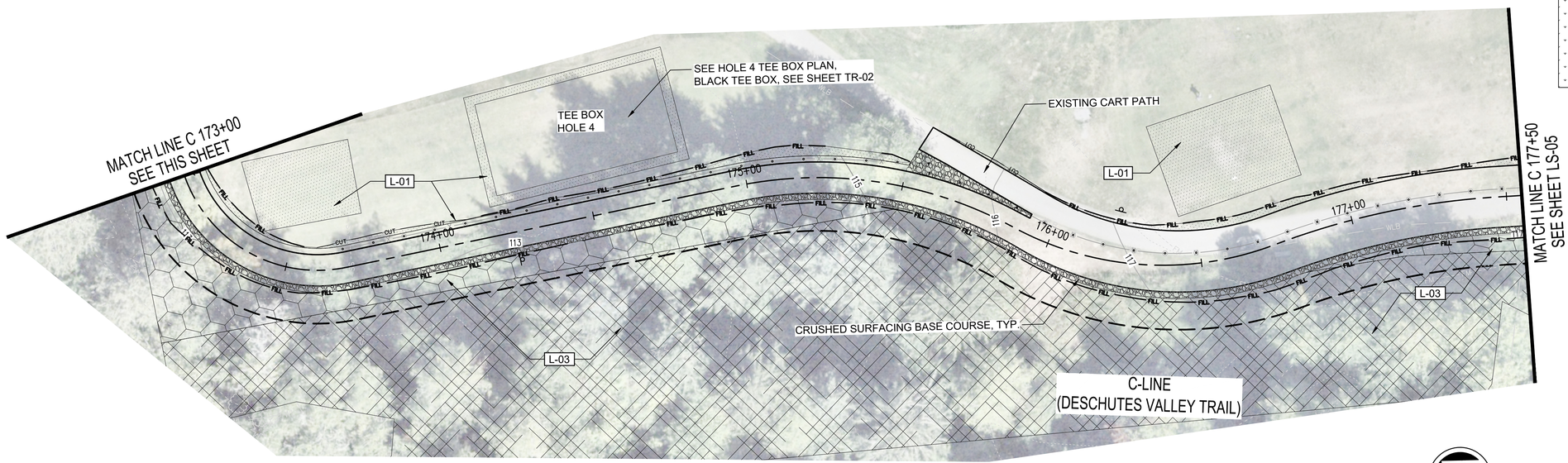
Aug 20, 2026 1:21:10pm – User: aufreyrieken
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0 20 40 60 feet

SCALE: 1" = 20'

NORTH



0 20 40 60 feet

SCALE: 1" = 20'

NORTH

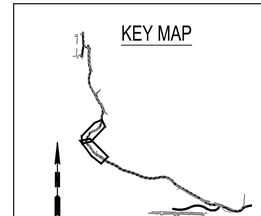
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REFERENCE NOTES SCHEDULE LS-04

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
	L-01	SEED MIX SHALL BE A 3-WAY RYE MIX AS APPROVED BY GOLF COURSE SUPERINTENDENT. ALL SEED ARES SHALL RECIEVE A MIN. 4" LAYER OF TOPSOIL TYPE A, PER SPECIFICATIONS.
	L-02	NATIVE SHRUB MIX 1 GAL. CONT. @ 3' O.C. SNOWBERRY (SYMPHORICARPOS ALBUS) MAHONIA NERVOSA (MAHONIA NERVOSA) SALAL (GAULTHERIA SHALLON) EVERGREEN HUCKLEBERRY(VACCINIUM OVATUM) DOUGLAS SPIREA (SPIRAEA DOUGLASII) ALL PLANT AREAS SHALL RECIEVE A 4" DEPTH OF COMPOST, PLANTS SHALL BE PIT PLANTED IN COMPOST AND SOIL, FINE GRADE ALL AREAS AFTER PLANTING.
	L-03	WETLAND MITIGATION PLANTING. SEE SHEET WM-01 THROUGH WM-06 FOR MORE INFORMATION.

NOTE: REFER TO SPECIFICATIONS FOR TEE BOX SOIL INFORMATION.

KEY MAP



NTS

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APPROVED BY: T. GRANTHAM	DRAWING FILE No.: 25-000313-C-LS-01

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PROJECT NAME:

CITY OF TUMWATER

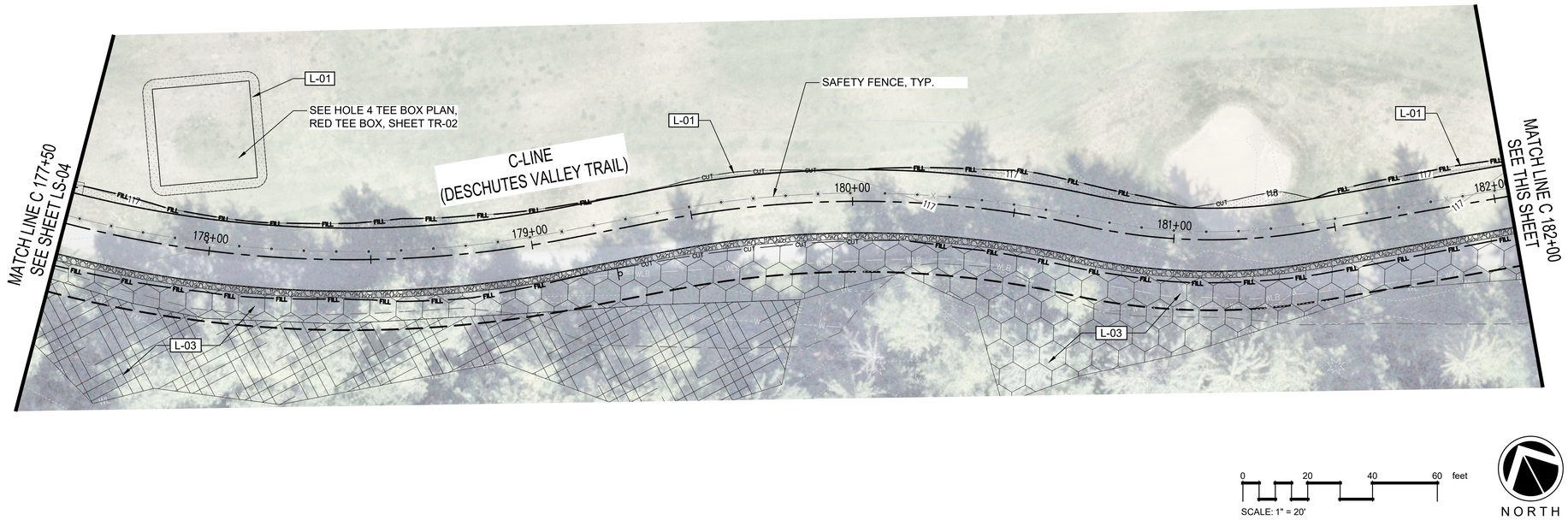
DESCHUTES VALLEY TRAIL
SEGMENT C

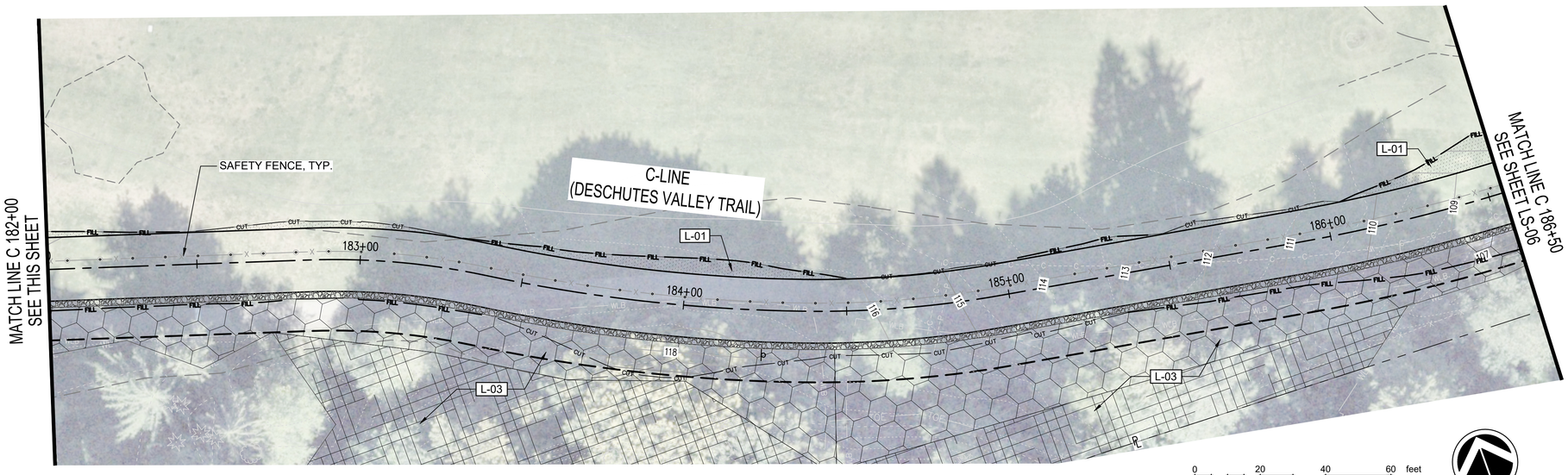
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C 168+50 - C 177+50

DRAWING No.: LS-04

SHEET No.: 129 OF 147

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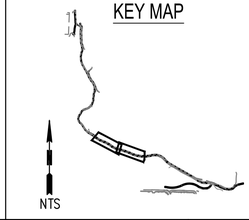
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REFERENCE NOTES SCHEDULE LS-05

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
	L-01	SEED MIX SHALL BE A 3-WAY RYE MIX AS APPROVED BY GOLF COURSE SUPERINTENDENT. ALL SEED ARES SHALL RECIEVE A MIN. 4" LAYER OF TOPSOIL TYPE A, PER SPECIFICATIONS.
	L-03	WETLAND MITIGATION PLANTING. SEE SHEET WM-01 THROUGH WM-06 FOR MORE INFORMATION.

NOTE: REFER TO SPECIFICATIONS FOR TEE BOX SOIL INFORMATION.

KEY MAP



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JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-LS-01

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
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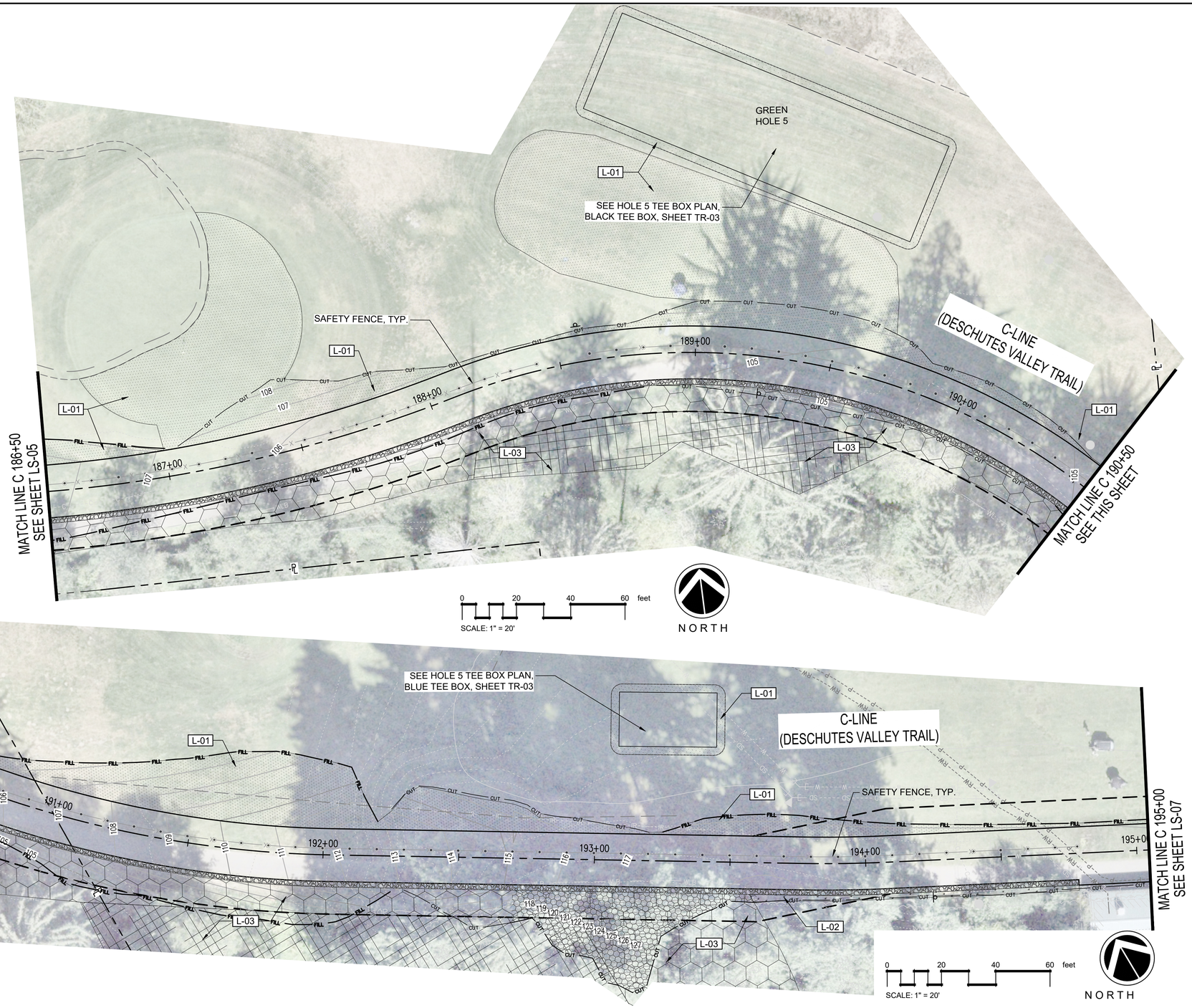
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

LANDSCAPE RESTORATION PLAN
C 177+50 - C 186+50

DRAWING No.: LS-05
SHEET No.: 130 OF 147

Aug 20, 2026 12:46:37pm – User: audreyn.nielsen
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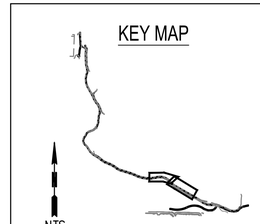
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REFERENCE NOTES SCHEDULE LS-06

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
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	L-02	NATIVE SHRUB MIX 1 GAL. CONT. @ 3' O.C. SNOWBERRY (SYMPHORICARPOS ALBUS) MAHONIA NERVOSA (MAHONIA NERVOSA) SALAL (GAULTHERIA SHALLON) EVERGREEN HUCKLEBERRY(VACCINIUM OVATUM) DOUGLAS SPIREA (SPIRAEA DOUGLASII) ALL PLANT AREAS SHALL RECIEVE A 4" DEPTH OF COMPOST, PLANTS SHALL BE PIT PLANTED IN COMPOST AND SOIL, FINE GRADE ALL AREAS AFTER PLANTING.
	L-03	WETLAND MITIGATION PLANTING. SEE SHEET WM-01 THROUGH WM-06 FOR MORE INFORMATION.

NOTE: REFER TO SPECIFICATIONS FOR TEE BOX SOIL INFORMATION.

KEY MAP



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PROJECT NAME:

CITY OF TUMWATER

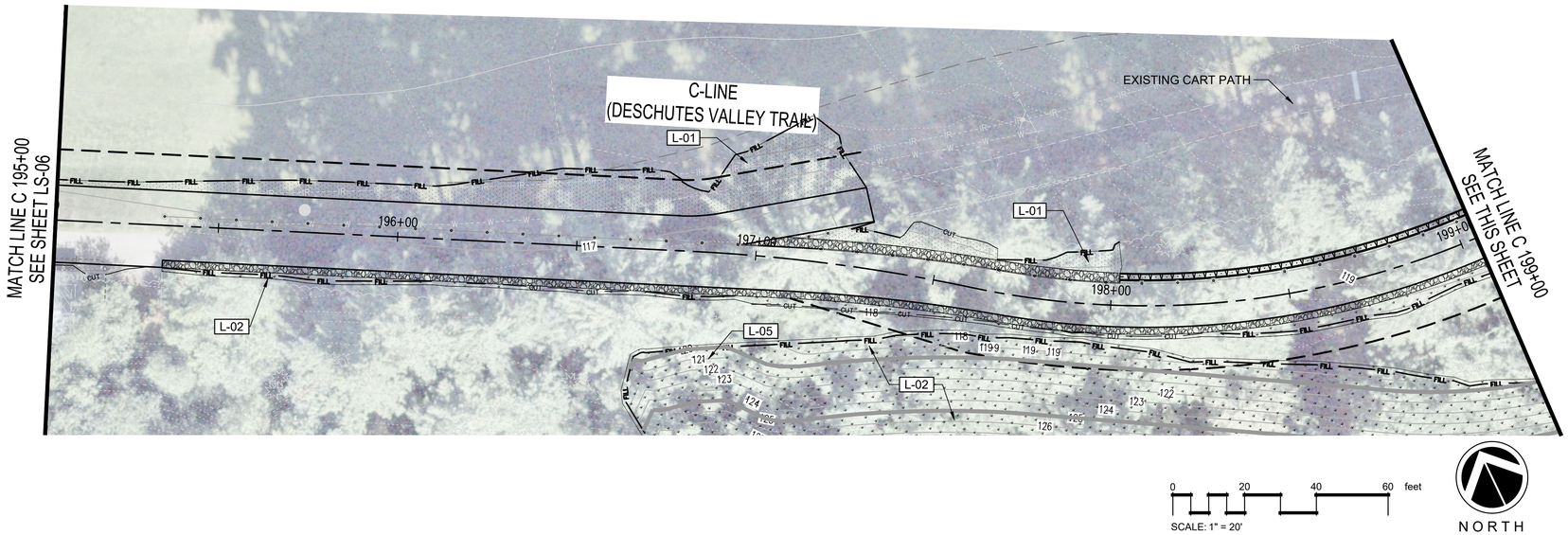
DESCHUTES VALLEY TRAIL
SEGMENT C

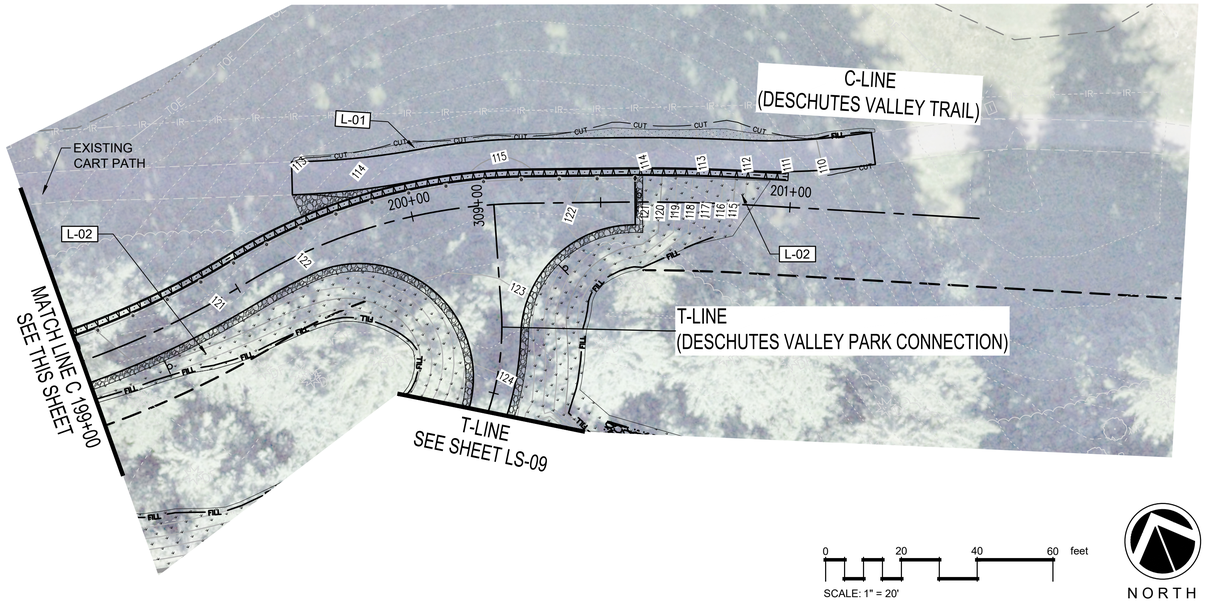
LANDSCAPE RESTORATION PLAN
C 186+50 - C 195+00

DRAWING No.: LS-06

SHEET No.: 131 OF 147

Aug 20, 2026 1:39:28pm - User: audrey.nielsen
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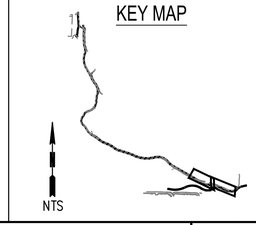
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REFERENCE NOTES SCHEDULE LS-07

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
	L-01	SEED MIX SHALL BE A 3-WAY RYE MIX AS APPROVED BY GOLF COURSE SUPERINTENDENT. ALL SEED ARES SHALL RECIEVE A MIN. 4" LAYER OF TOPSOIL TYPE A, PER SPECIFICATIONS.
	L-02	NATIVE SHRUB MIX 1 GAL. CONT. @ 3' O.C. SNOWBERRY (SYMPHORICARPOS ALBUS) MAHONIA NERVOSA (MAHONIA NERVOSA) SALAL (GAULTHERIA SHALLON) EVERGREEN HUCKLEBERRY(VACCINIUM OVATUM) DOUGLAS SPIREA (SPIRAEA DOUGLASII) ALL PLANT AREAS SHALL RECIEVE A 4" DEPTH OF COMPOST, PLANTS SHALL BE PIT PLANTED IN COMPOST AND SOIL, FINE GRADE ALL AREAS AFTER PLANTING.
	L-05	10"–12" DIAMETER PERMANENT WATTLES INSTALL PERMANENT WATTLES IN ACCORDANCE WITH WSDOT STANDARD DETAIL I-30.30-02. REFER TO THE STANDARD DETAIL FOR ADDITIONAL INFORMATION.

NOTE: REFER TO SPECIFICATIONS FOR TEE BOX SOIL INFORMATION.

KEY MAP



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APPROVED BY: T. GRANTHAM
ISSUE DATE: MAY 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-LS-01

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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

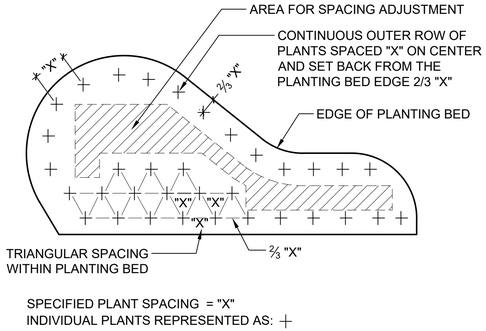
DESCHUTES VALLEY TRAIL
SEGMENT C

LANDSCAPE RESTORATION PLAN
C 195+00 - C 203+00

DRAWING No.: LS-07

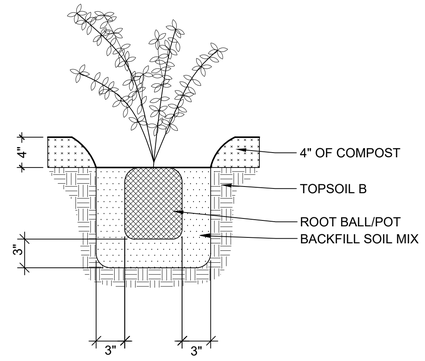
SHEET No.: 132 OF 147

Aug 20, 2026 12:54:17pm – User: audreyn.nielsen
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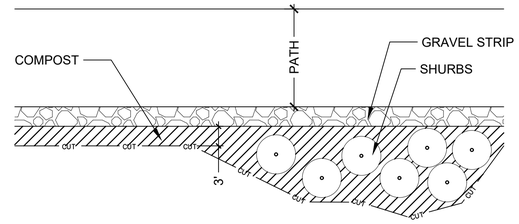
1 PLANT SPACING DETAIL

NTS P-PA-DVT-DVTC-01



2 GROUNDCOVER PLANTING DETAIL

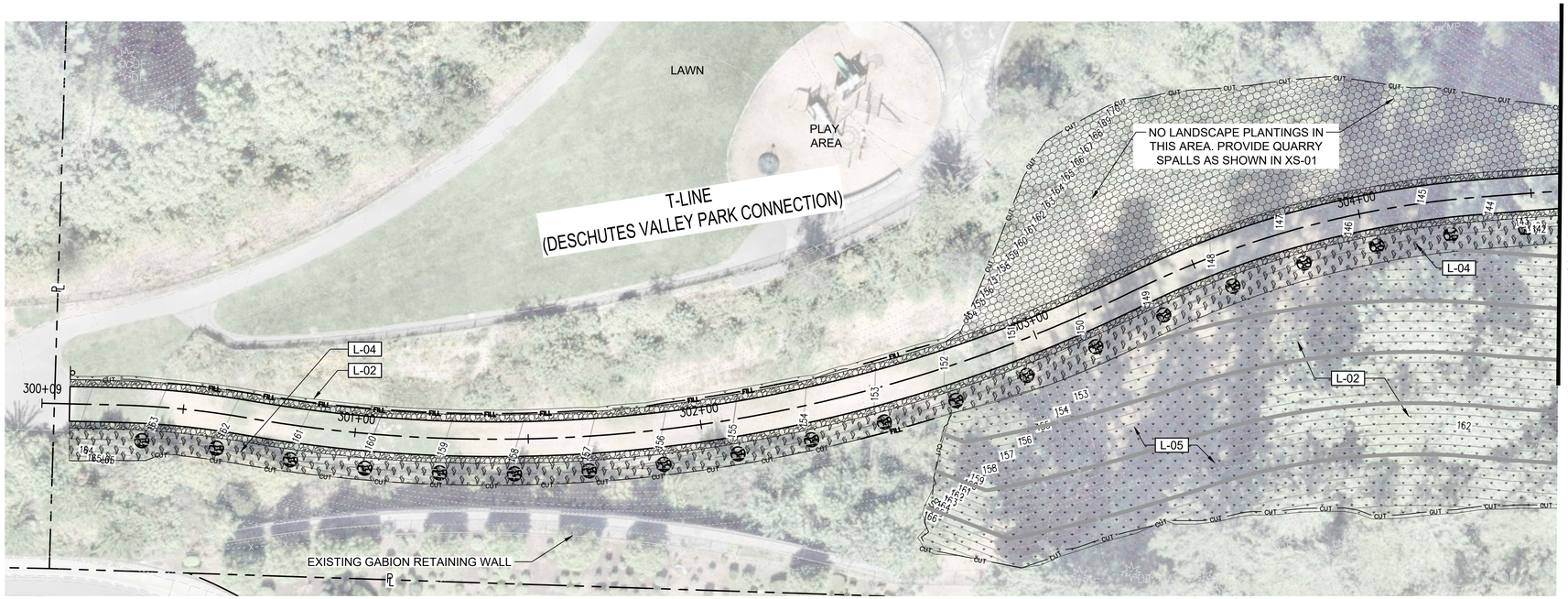
(2" & 4" POTS) 1" = 1" P-PA-DVT-DVTC-43



NOTE: TOP-DRESS ALL DISTURBED AREAS THAT ARE LESS THAN 3 FEET IN WIDTH WITH COMPOST

3 RESTORATION WEST OF TRAIL

1" = 1" P-PA-DVT-DVTC-19



0 20 40 60 feet

SCALE: 1" = 20'

NORTH

2026-08-20 09:43

REFERENCE NOTES SCHEDULE LS-08

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
	L-02	NATIVE SHRUB MIX 1 GAL. CONT. @ 3' O.C. SNOWBERRY (SYMPHORICARPOS ALBUS) MAHONIA NERVOSA (MAHONIA NERVOSA) SALAL (GAULTHERIA SHALLON) EVERGREEN HUCKLEBERRY(VACCINIUM OVATUM) DOUGLAS SPIREA (SPIRAEA DOUGLASII) ALL PLANT AREAS SHALL RECIEVE A 4" DEPTH OF COMPOST, PLANTS SHALL BE PIT PLANTED IN COMPOST AND SOIL, FINE GRADE ALL AREAS AFTER PLANTING.
	L-04	EROSION CONTROL SEED MIX (PERCENTAGE BY WEIGHT) SHALL BE THE FOLLOWING: PERENNIAL TURF TYPE RYE GRASS (DERBY, CITATION OR PENNFINE) (40%), RED FESCUE (40%), BENTGRASS (10%), WHITE DUTCH CLOVER (10%). THE ABOVE MIXTURE SHALL BE APPLIED AT THE RATE OF 120 POUNDS PER ACRE.
	L-05	10"–12" DIAMETER PERMANENT WATTLES INSTALL PERMANENT WATTLES IN ACCORDANCE WITH WSDOT STANDARD DETAIL I-30.30-02. REFER TO THE STANDARD DETAIL FOR ADDITIONAL INFORMATION.

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: L. ZEPEDA
DRAWN BY: L. ZEPEDA
APPROVED BY: T. GRANTHAM
ISSUE DATE: MAY 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-LS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

STATE OF WASHINGTON · TRENT L. GRANTHAM · NO. 943 EXP. 07/22/2026 · LANDSCAPE ARCHITECT

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

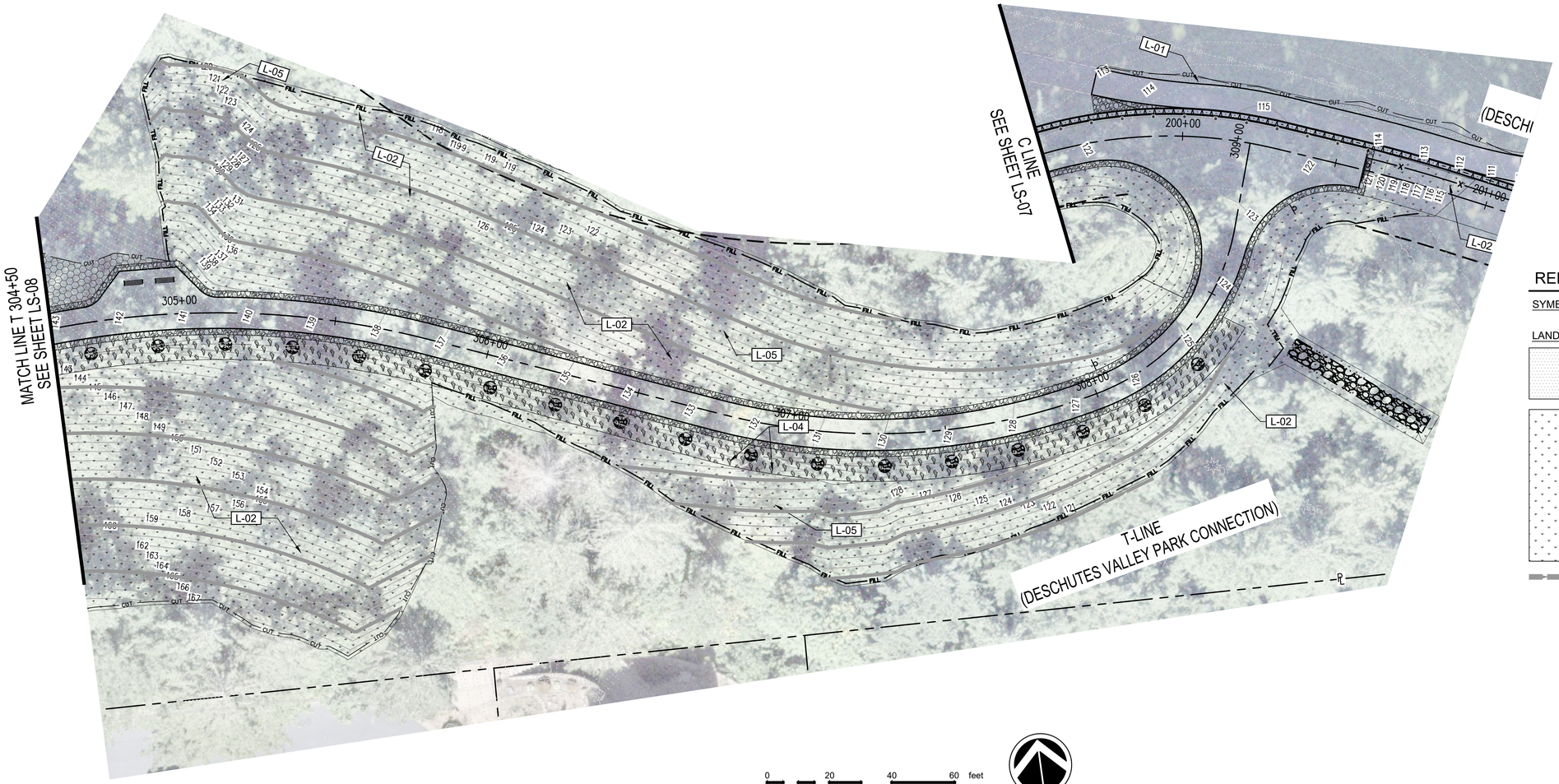
DESCHUTES VALLEY TRAIL
SEGMENT C

LANDSCAPE RESTORATION PLAN
T 300+00 - T 304+50

DRAWING No.: LS-08

SHEET No.: 133 OF 147

Aug 20, 2026 1:09:15pm - User: audreyvielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-LS-01.DWG

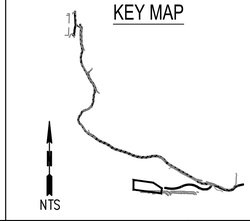


2026-08-20 09:44

REFERENCE NOTES SCHEDULE LS-09

SYMBOL	CODE	DESCRIPTION
LANDSCAPE		
	L-01	SEED MIX SHALL BE A 3-WAY RYE MIX AS APPROVED BY GOLF COURSE SUPERINTENDENT. ALL SEED ARES SHALL RECIEVE A MIN. 4" LAYER OF TOPSOIL TYPE A, PER SPECIFICATIONS.
	L-02	NATIVE SHRUB MIX 1 GAL. CONT. @ 3' O.C. SNOWBERRY (SYMPHORICARPOS ALBUS) MAHONIA NERVOSA (MAHONIA NERVOSA) SALAL (GAULTHERIA SHALLON) EVERGREEN HUCKLEBERRY(VACCINIUM OVATUM) DOUGLAS SPIREA (SPIRAEA DOUGLASII) ALL PLANT AREAS SHALL RECIEVE A 4" DEPTH OF COMPOST, PLANTS SHALL BE PIT PLANTED IN COMPOST AND SOIL, FINE GRADE ALL AREAS AFTER PLANTING.
	L-05	10"–12" DIAMETER PERMANENT WATTLES INSTALL PERMANENT WATTLES IN ACCORDANCE WITH WSDOT STANDARD DETAIL I-30.30-02. REFER TO THE STANDARD DETAIL FOR ADDITIONAL INFORMATION.

KEY MAP



△	REVISIONS	DATE	BY

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DRAWN BY: L. ZEPEDA
APPROVED BY: T. GRANTHAM
ISSUE DATE: MAY 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-LS-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

STATE OF WASHINGTON · TRENT L. GRANTHAM · No. 843 · EXP. 07/22/2026 · LANDSCAPE ARCHITECT

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P: 360.352.1465
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PROJECT NAME:

CITY OF TUMWATER

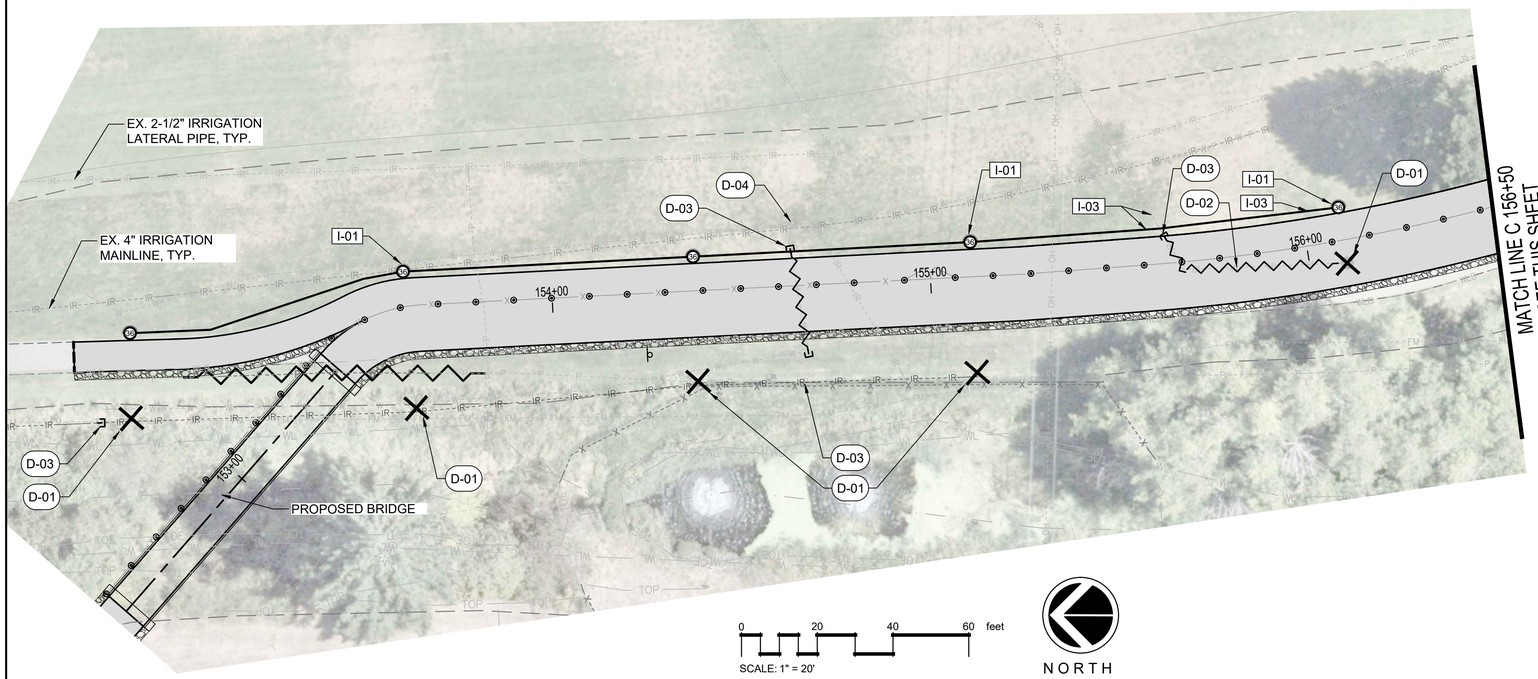
DESCHUTES VALLEY TRAIL
SEGMENT C

LANDSCAPE RESTORATION PLAN
T 304+50 - T 308+50

DRAWING No.: LS-09

SHEET No.: 134 OF 147

Aug 20, 2026 1:33:06pm – User: audrey.nielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-LS-01.DWG



IRRIGATION DEMO AND INSTALLATION NOTES IR-01

SYMBOL	CODE	DESCRIPTION
DEMOLITION		
X	D-01	SALVAGE IRRIGATION HEAD AND PROVIDE TO OWNER.
ZIGZAG	D-02	REMOVE ALL IRRIGATION MAINLINE AND LATERAL LINE PIPING AND CONTROL OR TRACE WIRE FROM ENTIRE TRAIL WIDTH PLUS ADDITIONAL 2'-0" MIN. ON EITHER SIDE OF TRAIL PAVEMENT, OR AS SHOWN. (TYP. FOR ENTIRE TRAIL LENGTH)
	D-03	CUT IRRIGATION LATERAL PIPE AND CAP. ABANDON IRRIGATION PIPE AND WIRE DOWNSTREAM OF CUT, OR BETWEEN CUTS, IN PLACE.
	D-04	PROTECT AND RETAIN IRRIGATION HEAD (AND LATERAL LINE) IN PLACE.
IRRIGATION		
	I-01	INSTALL NEW IRRIGATION PART-CIRCLE ROTOR HEAD 2'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT.
	I-02	CONNECT 2" LATERAL PIPE TO EXISTING LATERAL OR RELOCATED VALVE AS/WHERE SHOWN.
	I-03	INSTALL NEW IRRIGATION HEAD WHERE SHOWN.

DISPOSE OF ALL PIPING AND WIRE REMOVED FROM GROUND OFF SITE. NO POPE OR WIRE SHALL BE SALVAGED AND REINSTALLED AS PART OF THIS PROJECT.

EXISTING IRRIGATION SYSTEM LEGEND

SYMBOL	DESCRIPTION
IM	EXISTING 4" OR 6" IRRIGATION MAINLINE PER AS-BUILT PLANS
IR	EXISTING 2" PVC IRRIGATION LATERAL LINE PER AS-BUILT PLANS
	EXISTING ISOLATION VALVE PER AS-BUILT PLANS
	EXISTING ISOLATION VALVE AS SURVEYED
	EXISTING VALVE-IN-HEAD ROTOR IRRIGATION HEADS PER AS-BUILT PLANS
	EXISTING VALVE-IN-HEAD ROTOR IRRIGATION HEADS AS SURVEYED
	PROPOSED SCHEDULE 40 2" PVC LATERAL LINES @ 24" DEPTH
NOT SHOWN	STATION & COMMON WIRE SIZE-AWG 14 GAUGE MINIMUM INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS

IRRIGATION SCHEDULE IR-01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
36	RAIN BIRD 752-E 36 VALVE IN HEAD ROTOR FOR GOLF APPLICATIONS. STANDARD NOZZLES, FULL CIRCLE ARC. RADIUS IS 27FT. TO 84FT.. FLOW RATE IS 6.7 GPM TO 47 GPM. PRESSURE REGULATION RANGE FROM 50PSI TO 100PSI.	80	68'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
⊓	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.		
———	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 BURY A MINIMUM OF 12" BELOW FINISHED GRADE. PLACE 24" BELOW GRADE UNDER PAVED SURFACED.		

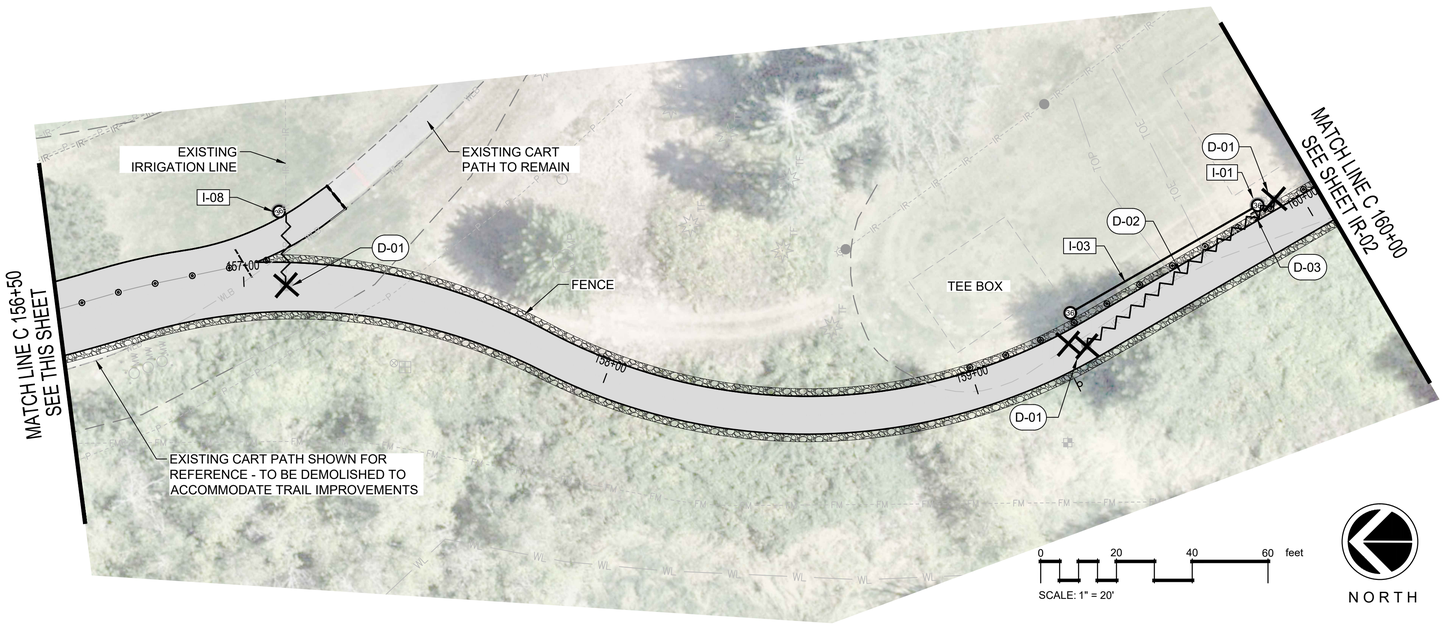
SURVEY INFORMATION NOTE (ALL SHEETS)

CONTRACTOR IS INFORMED THAT THIS SURVEY CONTAINS IRRIGATION INFORMATION FROM TWO SOURCES.

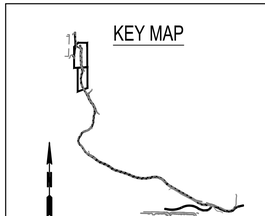
VARIOUS SYSTEM COMPONENTS (I.E. PIPING, IRRIGATION HEADS, CONTROL VALVES, ETC.) THAT WERE FIELD-LOCATED BY THE SURVEYOR ARE SHOWN ON THE PLANS. PLEASE NOTE THAT THE SURVEYOR'S INVENTORY OF THE SYSTEM IS INCOMPLETE, AS NOT ALL OF THE COMPONENTS WERE LOCATED IN THE FIELD.

THE SURVEY ALSO INCLUDES "AS-BUILT PLAN" REPRESENTATIONS OF MORE SPECIFIC SYSTEM COMPONENTS SUCH AS: MAINLINE PIPING, LATERAL LINE PIPING, VARIOUS IRRIGATION HEAD TYPES, CONTROL VALVES, ETC.

WITHIN THE SURVEY BOUNDARIES, REPRESENTATIONS FROM BOTH SOURCES ARE SHOWN WITH DISCREPANCIES IN COMPONENTS' LOCATIONS.



KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: L. ZEPEDA
DRAWN BY: L. ZEPEDA
APPROVED BY: T. GRANTHAM
ISSUE DATE: MAY 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-IR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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PROJECT NAME:

CITY OF TUMWATER

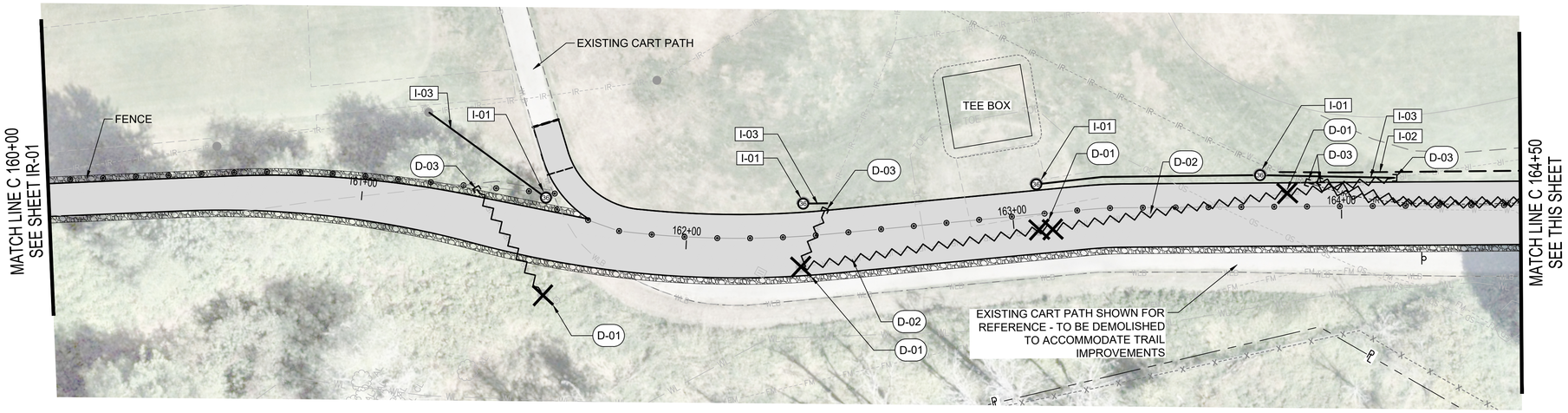
DESCHUTES VALLEY TRAIL
SEGMENT C

IRRIGATION MODIFICATION PLAN
C 152+50 - C 160+00

DRAWING No.: IR-01

SHEET No.: 135 OF 147

Aug 20, 2026 12:46:24pm – User: audreyjaiden
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-IR-01.DWG



0 20 40 60 feet

SCALE: 1" = 20'

NORTH

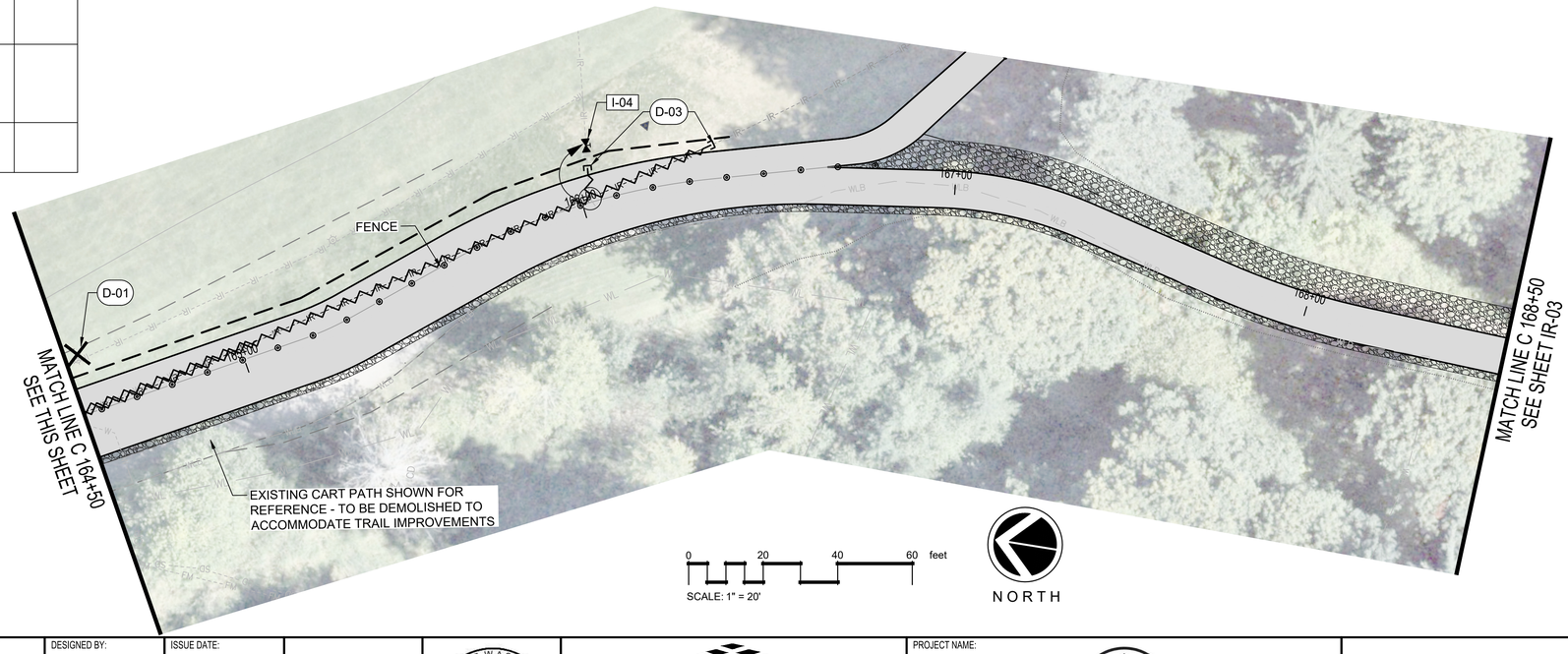
REFERENCE NOTES SCHEDULE IR-02

SYMBOL	CODE	DESCRIPTION
DEMOLITION		
X	D-01	SALVAGE IRRIGATION HEAD AND PROVIDE TO OWNER.
ZIGZAG	D-02	REMOVE ALL IRRIGATION MAINLINE AND LATERAL LINE PIPING AND CONTROL OR TRACE WIRE FROM ENTIRE TRAIL WIDTH PLUS ADDITIONAL 2'-0" MIN. ON EITHER SIDE OF TRAIL PAVEMENT, OR AS SHOWN. (TYP. FOR ENTIRE TRAIL LENGTH)
	D-03	CUT IRRIGATION LATERAL PIPE AND CAP. ABANDON IRRIGATION PIPE AND WIRE DOWNSTREAM OF CUT, OR BETWEEN CUTS, IN PLACE.
IRRIGATION		
	I-01	INSTALL NEW IRRIGATION PART-CIRCLE ROTOR HEAD 2'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT.
	I-02	CONNECT 2" LATERAL PIPE TO EXISTING LATERAL OR RELOCATED VALVE AS/WHERE SHOWN.
	I-03	REROUTE MAINLINE. CUT EX. MAINLINE AND CONNECT NEW 4" IRRIGATION MAINLINE, LOCATE 6'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT, OR WHERE SHOWN.
	I-04	SALVAGE EX. MANUAL LATERAL ISOLATION VALVE ASSEMBLY AND REINSTALL AT NEW LATERAL CONNECTION TO NEW MAINLINE.

DISPOSE OF ALL PIPING AND WIRE REMOVED FROM GROUND OFF SITE. NO POPE OR WIRE SHALL BE SALVAGED AND REINSTALLED AS PART OF THIS PROJECT.

IRRIGATION SCHEDULE IR-02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
36	RAIN BIRD 752-E 36 VALVE IN HEAD ROTOR FOR GOLF APPLICATIONS. STANDARD NOZZLES, FULL CIRCLE ARC. RADIUS IS 27FT. TO 84FT.. FLOW RATE IS 6.7 GPM TO 47 GPM. PRESSURE REGULATION RANGE FROM 50PSI TO 100PSI.	80	68'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
	EXISTING LATERAL ISOLATION VALVE EXISTING MANUAL LATERAL ISOLATION VALVE ASSEMBLY TO BE SALVAGED AND REINSTALLED		
	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.		
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 BURY A MINIMUM OF 12" BELOW FINISHED GRADE. PLACE 24" BELOW GRADE UNDER PAVED SURFACED.		
	IRRIGATION MAINLINE: PVC SCHEDULE 40 BURY A MINIMUM OF 18" BELOW FINISHED GRADE, 24" BELOW PAVED SURFACES.		



0 20 40 60 feet

SCALE: 1" = 20'

NORTH

EXISTING IRRIGATION SYSTEM LEGEND

SYMBOL	DESCRIPTION
IM	EXISTING 4" OR 6" IRRIGATION MAINLINE PER AS-BUILT PLANS
IR	EXISTING 2" PVC IRRIGATION LATERAL LINE PER AS-BUILT PLANS
	EXISTING ISOLATION VALVE PER AS-BUILT PLANS
	EXISTING ISOLATION VALVE AS SURVEYED
	EXISTING VALVE-IN-HEAD ROTOR IRRIGATION HEADS PER AS-BUILT PLANS
	EXISTING VALVE-IN-HEAD ROTOR IRRIGATION HEADS AS SURVEYED
	PROPOSED SCHEDULE 40 2" PVC LATERAL LINES @ 24" DEPTH
NOT SHOWN	STATION & COMMON WIRE SIZE-AWG 14 GAUGE MINIMUM INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: L. ZEPEDA
ISSUE DATE: MAY 2026
DRAWN BY: L. ZEPEDA
JOB No.: 25-000313
APPROVED BY: T. GRANTHAM
DRAWING FILE No.: 25-000313-C-IR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

STATE OF WASHINGTON TRENT L. GRANTHAM NO. 843 EXP. 07/22/2026 LANDSCAPE ARCHITECT

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8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

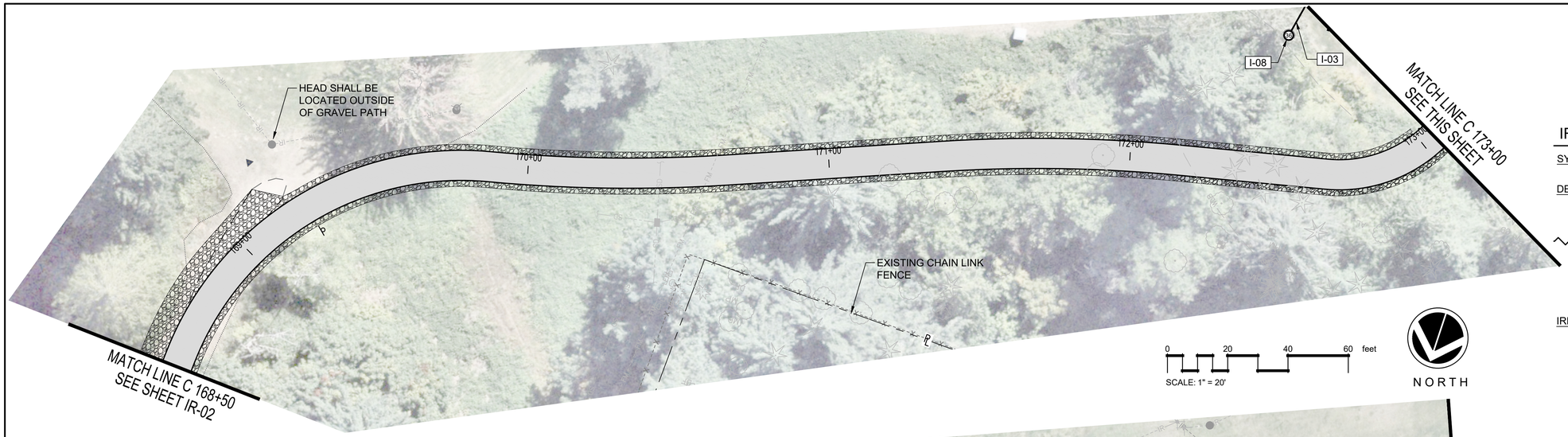
DESCHUTES VALLEY TRAIL
SEGMENT C

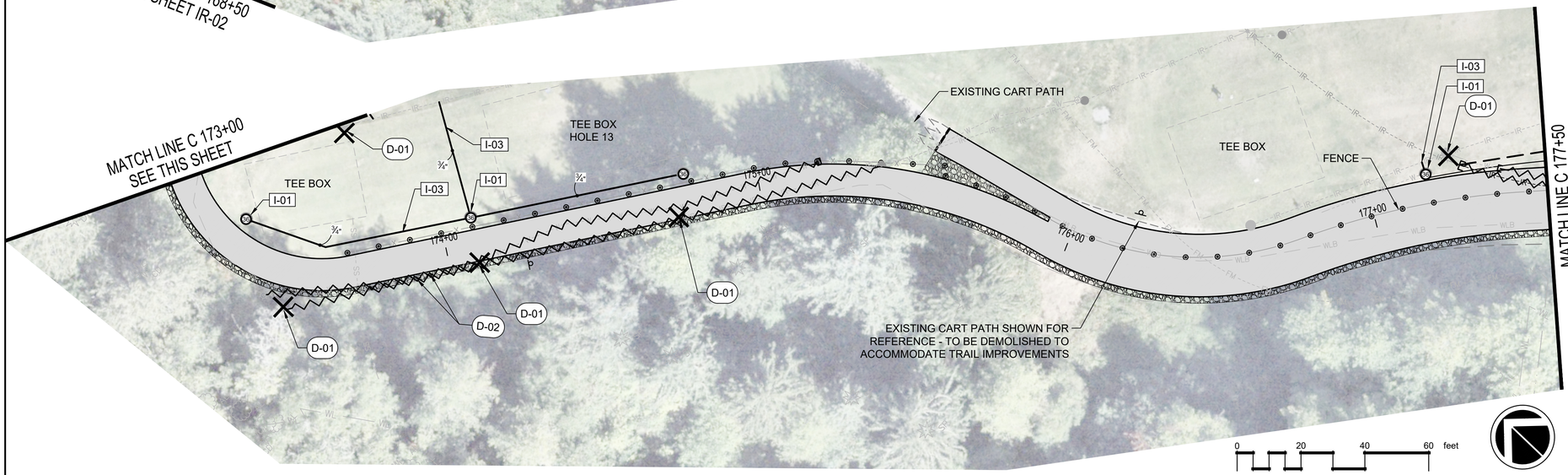
IRRIGATION MODIFICATION PLAN
C 160+00 - C 168+50

DRAWING No.: IR-02

SHEET No.: 136 OF 147

Aug 20, 2026 1:04:25pm – User: audreyvieleen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CAD\25-000313-C-IR-01.DWG





0 20 40 60 feet
SCALE: 1" = 20'

NORTH

IRRIGATION DEMO AND INSTALLATION NOTES IR-03

SYMBOL	CODE	DESCRIPTION
DEMOLITION		
X	D-01	SALVAGE IRRIGATION HEAD AND PROVIDE TO OWNER.
~~	D-02	REMOVE ALL IRRIGATION MAINLINE AND LATERAL LINE PIPING AND CONTROL OR TRACE WIRE FROM ENTIRE TRAIL WIDTH PLUS ADDITIONAL 2'-0" MIN. ON EITHER SIDE OF TRAIL PAVEMENT, OR AS SHOWN. (TYP. FOR ENTIRE TRAIL LENGTH)
IRRIGATION		
	I-01	INSTALL NEW IRRIGATION PART-CIRCLE ROTOR HEAD 2'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT.
	I-02	CONNECT 2" LATERAL PIPE TO EXISTING LATERAL OR RELOCATED VALVE AS/WHERE SHOWN.
	I-03	INSTALL NEW IRRIGATION HEAD WHERE SHOWN.
		DISPOSE OF ALL PIPING AND WIRE REMOVED FROM GROUND OFF SITE. NO POPE OR WIRE SHALL BE SALVAGED AND REINSTALLED AS PART OF THIS PROJECT.

IRRIGATION SCHEDULE IR-03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
(36)	RAIN BIRD 752-E 36 VALVE IN HEAD ROTOR FOR GOLF APPLICATIONS. STANDARD NOZZLES, FULL CIRCLE ARC. RADIUS IS 27FT. TO 84FT.. FLOW RATE IS 6.7 GPM TO 47 GPM. PRESSURE REGULATION RANGE FROM 50PSI TO 100PSI.	80	68'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
⊓	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.		
———	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 BURY A MINIMUM OF 12" BELOW FINISHED GRADE. PLACE 24" BELOW GRADE UNDER PAVED SURFACED.		
— — — —	IRRIGATION MAINLINE: PVC SCHEDULE 40 BURY A MINIMUM OF 18" BELOW FINISHED GRADE, 24" BELOW PAVED SURFACES.		

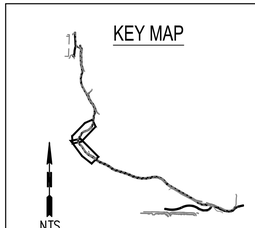
EXISTING IRRIGATION SYSTEM LEGEND

SYMBOL	DESCRIPTION
IM	EXISTING 4" OR 6" IRRIGATION MAINLINE PER AS-BUILT PLANS
IR	EXISTING 2" PVC IRRIGATION LATERAL LINE PER AS-BUILT PLANS
	EXISTING ISOLATION VALVE PER AS-BUILT PLANS
	EXISTING ISOLATION VALVE AS SURVEYED
	EXISTING VALVE-IN-HEAD ROTOR IRRIGATION HEADS PER AS-BUILT PLANS
	EXISTING VALVE-IN-HEAD ROTOR IRRIGATION HEADS AS SURVEYED
	PROPOSED SCHEDULE 40 2" PVC LATERAL LINES @ 24" DEPTH
NOT SHOWN	STATION & COMMON WIRE SIZE-AWG 14 GAUGE MINIMUM INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS

VALVE AND PIPING SCHEDULE

SYMBOL	DESCRIPTION
	SCHEDULE 40 3" PVC MAINLINE @ 30" DEPTH
	SCHEDULE 200 PVC LATERAL LINES @ 18" DEPTH
	SCHEDULE 40 PVC SLEEVES @ 24" DEPTH, 6" DIA. (UNLESS OTHERWISE INDICATED)
	EXISTING MANUAL LATERAL ISOLATION VALVE ASSEMBLY TO BE SALVAGED AND REINSTALLED.
	EXISTING MAINLINE GATE VALVE TO BE SALVAGED AND REINSTALLED ON NEW MAINLINE.
	EXISTING QUICK COUPLING VALVE TO BE SALVAGED AND REINSTALLED WHERE SHOWN.
NOT SHOWN	*STATION AND COMMON WIRE SIZE - AWG 14 GAUGE MINIMUM INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS*

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: L. ZEPEDA
ISSUE DATE: MAY 2026
DRAWN BY: L. ZEPEDA
JOB No.: 25-000313
APPROVED BY: T. GRANTHAM
DRAWING FILE No.: 25-000313-C-IR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

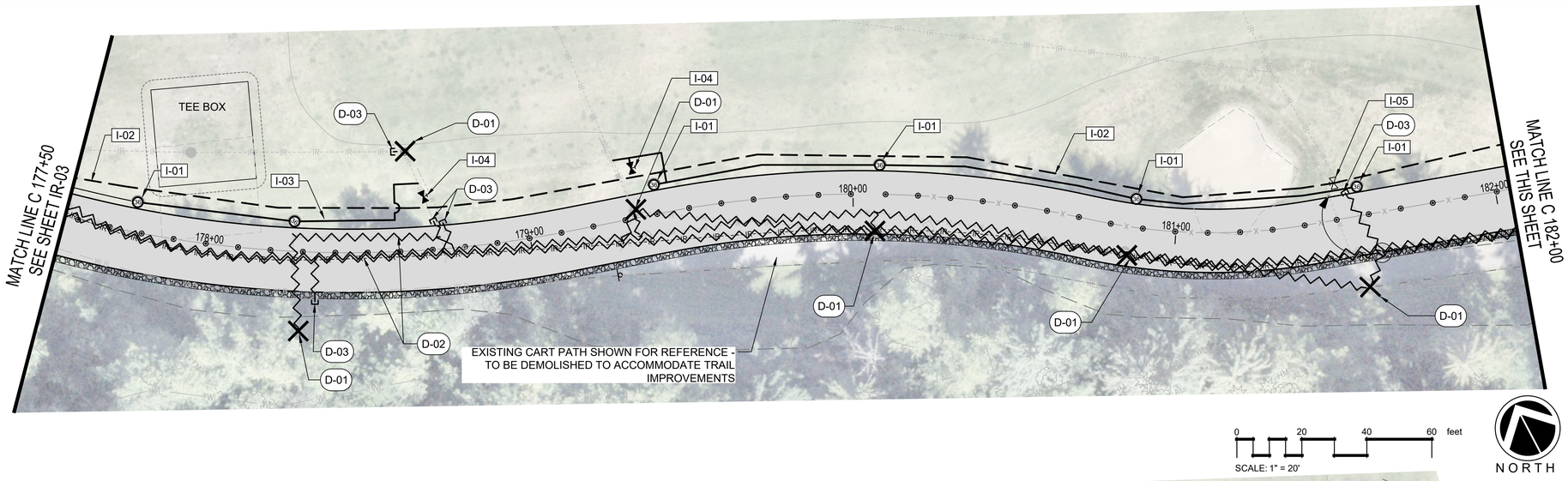
DESCHUTES VALLEY TRAIL
SEGMENT C

IRRIGATION MODIFICATION PLAN
C 168+50 - C 177+50

DRAWING No.: IR-03

SHEET No.: 137 OF 147

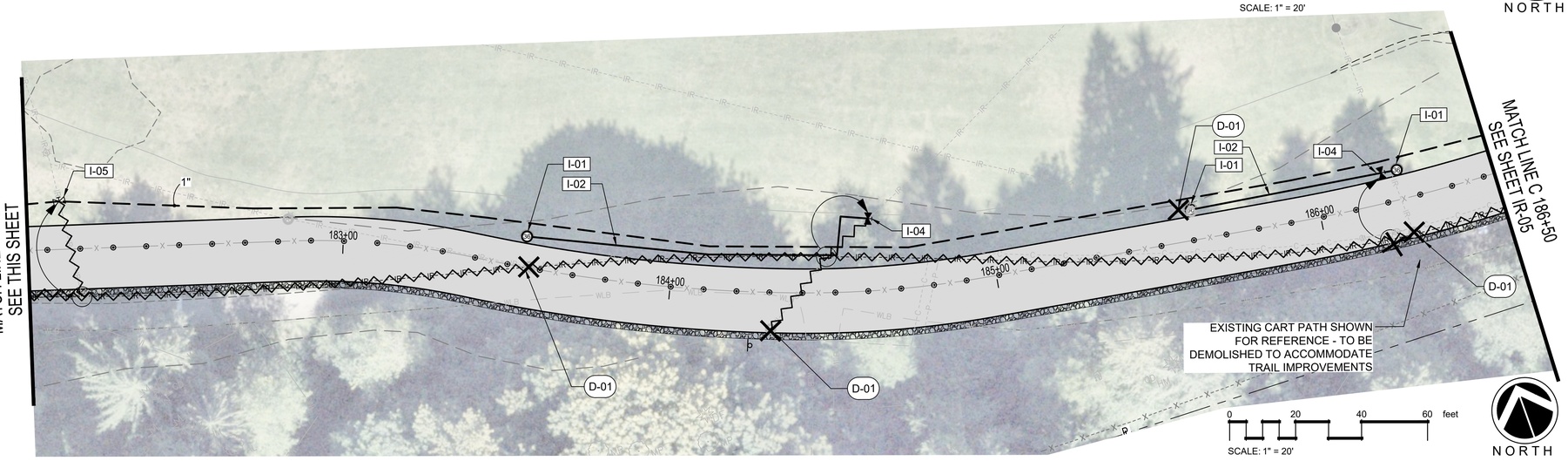
Aug 20, 2026 12:49:56pm - User audreykielsen
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-IR-01.DWG



0 20 40 60 feet

SCALE: 1" = 20'

NORTH



0 20 40 60 feet

SCALE: 1" = 20'

NORTH

REFERENCE NOTES SCHEDULE IR-04

SYMBOL	CODE	DESCRIPTION
DEMOLITION		
	D-01	SALVAGE IRRIGATION HEAD AND PROVIDE TO OWNER.
	D-02	REMOVE ALL IRRIGATION MAINLINE AND LATERAL LINE PIPING AND CONTROL OR TRACE WIRE FROM ENTIRE TRAIL WIDTH PLUS ADDITIONAL 2'-0" MIN. ON EITHER SIDE OF TRAIL PAVEMENT, OR AS SHOWN. (TYP. FOR ENTIRE TRAIL LENGTH)
	D-03	CUT IRRIGATION LATERAL PIPE AND CAP. ABANDON IRRIGATION PIPE AND WIRE DOWNSTREAM OF CUT, OR BETWEEN CUTS, IN PLACE.
IRRIGATION		
	I-01	INSTALL NEW IRRIGATION PART-CIRCLE ROTOR HEAD 2'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT.
	I-02	CONNECT 2" LATERAL PIPE TO EXISTING LATERAL OR RELOCATED VALVE AS/WHERE SHOWN.
	I-03	REROUTE MAINLINE. CUT EX. MAINLINE AND CONNECT NEW 4" IRRIGATION MAINLINE, LOCATE 6'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT, OR WHERE SHOWN.
	I-04	SALVAGE EX. MANUAL LATERAL ISOLATION VALVE ASSEMBLY AND REINSTALL AT NEW LATERAL CONNECTION TO NEW MAINLINE.
	I-05	SALVAGE EX. 4" MAINLINE GATE VALVE AND REINSTALL ON NEW 4" MAINLINE WHERE SHOWN.

IRRIGATION SCHEDULE IR-04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
36	RAIN BIRD 752-E 36 VALVE IN HEAD ROTOR FOR GOLF APPLICATIONS. STANDARD NOZZLES, FULL CIRCLE ARC. RADIUS IS 27FT. TO 84FT.. FLOW RATE IS 6.7 GPM TO 47 GPM. PRESSURE REGULATION RANGE FROM 50PSI TO 100PSI.	80	68'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
	EXISTING LATERAL ISOLATION VALVE EXISTING MANUAL LATERAL ISOLATION VALVE ASSEMBLY TO BE SALVAGED AND REINSTALLED		
	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.		
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 BURY A MINIMUM OF 12" BELOW FINISHED GRADE. PLACE 24" BELOW GRADE UNDER PAVED SURFACED.		
	IRRIGATION MAINLINE: PVC SCHEDULE 40 BURY A MINIMUM OF 18" BELOW FINISHED GRADE, 24" BELOW PAVED SURFACES.		

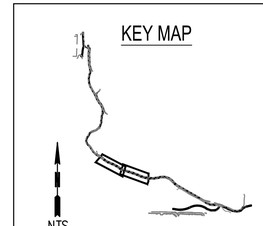
EXISTING IRRIGATION SYSTEM LEGEND

SYMBOL	DESCRIPTION
IM	EXISTING 4" OR 6" IRRIGATION MAINLINE PER AS-BUILT PLANS
IR	EXISTING 2" PVC IRRIGATION LATERAL LINE PER AS-BUILT PLANS
	EXISTING ISOLATION VALVE PER AS-BUILT PLANS
	EXISTING ISOLATION VALVE AS SURVEYED
	EXISTING VALVE-IN-HEAD ROTOR IRRIGATION HEADS PER AS-BUILT PLANS
	EXISTING VALVE-IN-HEAD ROTOR IRRIGATION HEADS AS SURVEYED
	PROPOSED SCHEDULE 40 2" PVC LATERAL LINES @ 24" DEPTH
NOT SHOWN	STATION & COMMON WIRE SIZE-AWG 14 GAUGE MINIMUM INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS

VALVE AND PIPING SCHEDULE

SYMBOL	DESCRIPTION
	SCHEDULE 40 3" PVC MAINLINE @ 30" DEPTH
	SCHEDULE 200 PVC LATERAL LINES @ 18" DEPTH
	SCHEDULE 40 PVC SLEEVES @ 24" DEPTH, 6" DIA. (UNLESS OTHERWISE INDICATED)
	EXISTING MANUAL LATERAL ISOLATION VALVE ASSEMBLY TO BE SALVAGED AND REINSTALLED.
	EXISTING MAINLINE GATE VALVE TO BE SALVAGED AND REINSTALLED ON NEW MAINLINE.
	EXISTING QUICK COUPLING VALVE TO BE SALVAGED AND REINSTALLED WHERE SHOWN.
NOT SHOWN	*STATION AND COMMON WIRE SIZE - AWG 14 GAUGE MINIMUM INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS*

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: L. ZEPEDA
ISSUE DATE: MAY 2026
DRAWN BY: L. ZEPEDA
JOB No.: 25-000313
APPROVED BY: T. GRANTHAM
DRAWING FILE No.: 25-000313-C-IR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

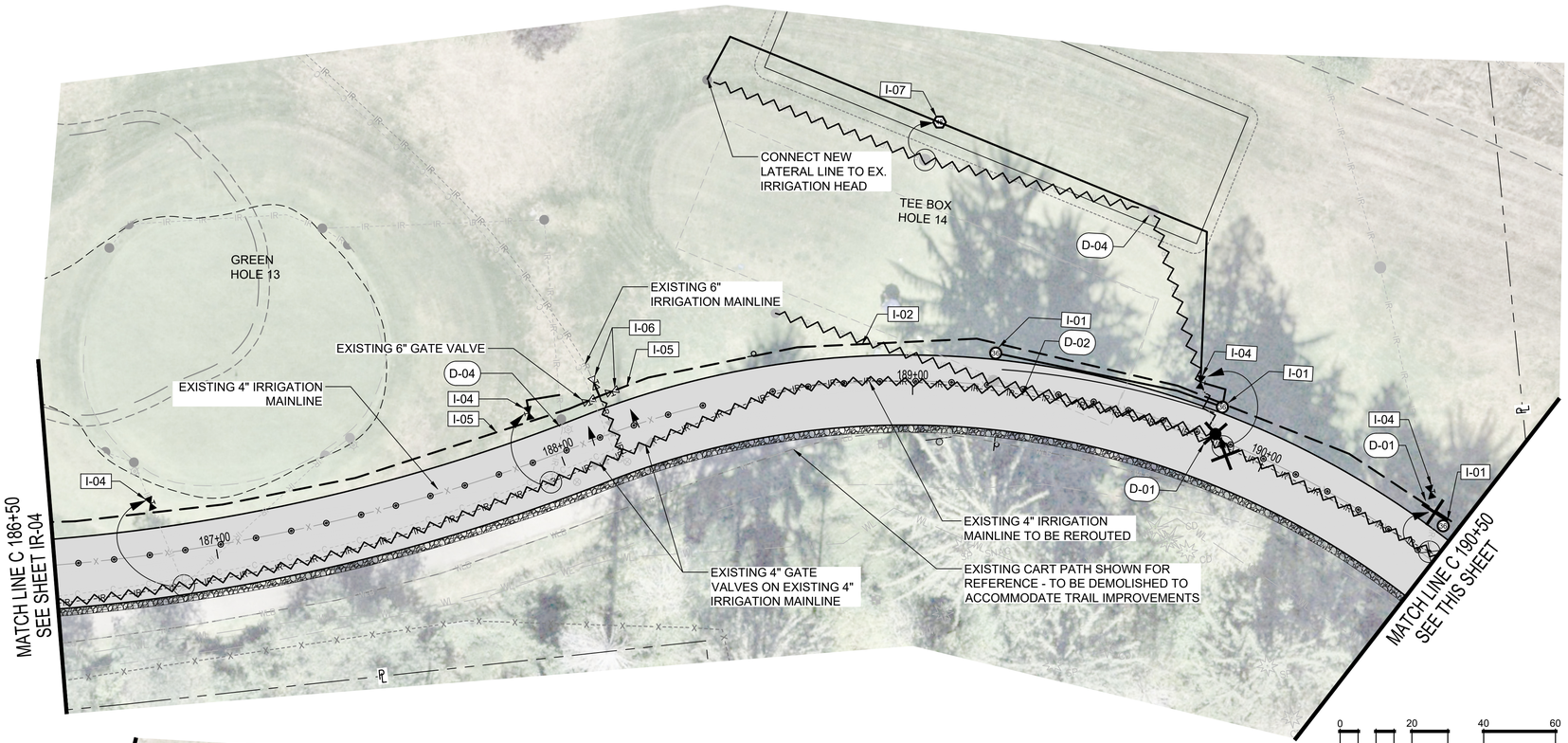
DESCHUTES VALLEY TRAIL
SEGMENT C

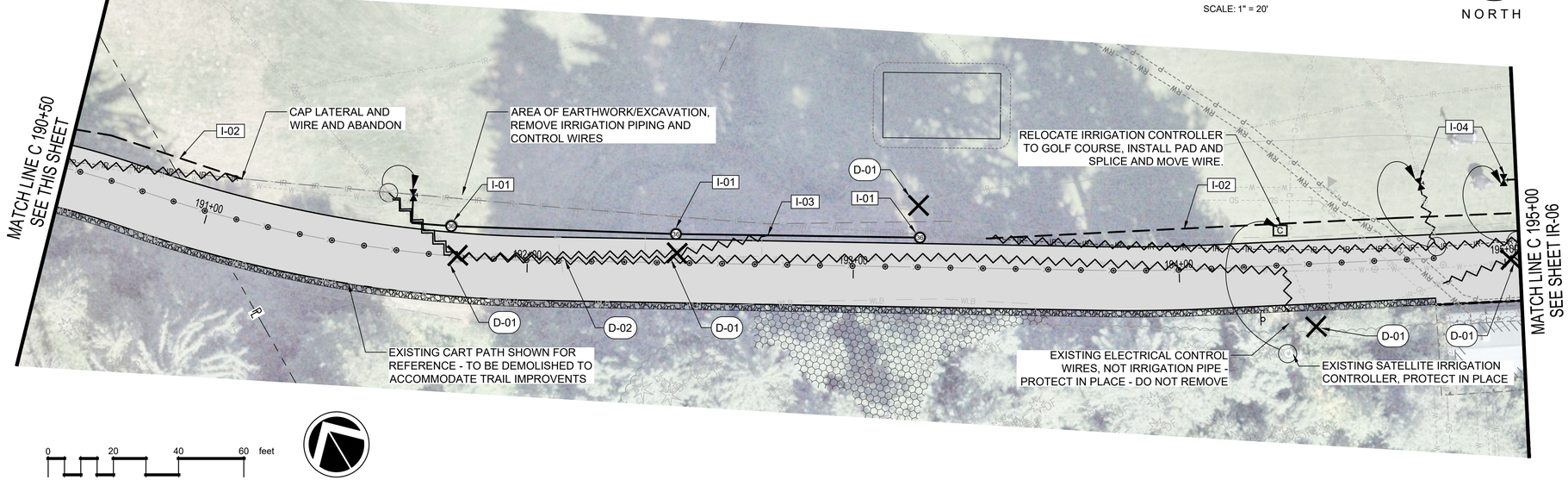
IRRIGATION MODIFICATION PLAN
C 177+50 - C 186+50

DRAWING No.: IR-04

SHEET No.: 138 OF 147

Aug 20, 2026 1:25:10pm – User: aufreg.nielsen
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-IR-01.DWG





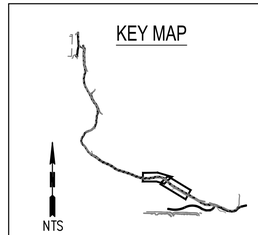
REFERENCE NOTES SCHEDULE IR-05

SYMBOL	CODE	DESCRIPTION
DEMOLITION		
	D-01	SALVAGE IRRIGATION HEAD AND PROVIDE TO OWNER.
	D-02	REMOVE ALL IRRIGATION MAINLINE AND LATERAL LINE PIPING AND CONTROL OR TRACE WIRE FROM ENTIRE TRAIL WIDTH PLUS ADDITIONAL 2'-0" MIN. ON EITHER SIDE OF TRAIL PAVEMENT, OR AS SHOWN. (TYP. FOR ENTIRE TRAIL LENGTH)
	D-03	PROTECT AND RETAIN IRRIGATION HEAD (AND LATERAL LINE) IN PLACE.
IRRIGATION		
	I-01	INSTALL NEW IRRIGATION PART-CIRCLE ROTOR HEAD 2'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT.
	I-02	CONNECT 2" LATERAL PIPE TO EXISTING LATERAL OR RELOCATED VALVE AS/WHERE SHOWN.
	I-03	REROUTE MAINLINE. CUT EX. MAINLINE AND CONNECT NEW 4" IRRIGATION MAINLINE, LOCATE 6'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT, OR WHERE SHOWN.
	I-04	SALVAGE EX. MANUAL LATERAL ISOLATION VALVE ASSEMBLY AND REINSTALL AT NEW LATERAL CONNECTION TO NEW MAINLINE.
	I-05	SALVAGE EX. 4" MAINLINE GATE VALVE AND REINSTALL ON NEW 4" MAINLINE WHERE SHOWN.
	I-06	SALVAGE EX. GATE VALVE FROM 6" MAINLINE AND REINSTALL ON SAME 6" MAINLINE WHERE SHOWN.
	I-07	SALVAGE EX. IRRIGATION FULL-CIRCLE ROTOR HEAD AND REINSTALL IN LOCATION AS SHOWN.

IRRIGATION SCHEDULE IR-05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
	RAIN BIRD 752-E 36 VALVE IN HEAD ROTOR FOR GOLF APPLICATIONS. STANDARD NOZZLES, FULL CIRCLE ARC. RADIUS IS 27FT. TO 84FT.. FLOW RATE IS 6.7 GPM TO 47 GPM. PRESSURE REGULATION RANGE FROM 50PSI TO 100PSI.	80	68'
	RAIN BIRD 952E 48 CLOSED CASE ROTOR FOR GOLF APPLICATIONS. ELECTRIC VALVE IN HEAD. TWO ROTORS IN ONE: FULL AND PART-CIRCLE. ADJUSTABLE ARC 30 TO 345 DEGREES AND FULL-CIRCLE 360 DEGREES. RADIUS IS 70FT. TO 101FT.. FLOW RATE IS 19.7 GPM TO 54.5 GPM. PRESSURE REGULATION RANGE FROM 60PSI TO 100PSI. STANDARD NOZZLE TRAJECTORY, 25 DEGREES.	80	79'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
	EXISTING LATERAL ISOLATION VALVE EXISTING MANUAL LATERAL ISOLATION VALVE ASSEMBLY TO BE SALVAGED AND REINSTALLED		
	EXISTING MAINLINE GATE VALVE EXISTING MAINLINE GATE VALVE TO BE SALVAGED AND REINSTALLED ON NEW MAINLINE.		
C	EXISTING IRRIGATION CONTROLLER		
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 BURY A MINIMUM OF 12" BELOW FINISHED GRADE. PLACE 24" BELOW GRADE UNDER PAVED SURFACED.		
	IRRIGATION MAINLINE: PVC SCHEDULE 40 BURY A MINIMUM OF 18" BELOW FINISHED GRADE, 24" BELOW PAVED SURFACES.		

KEY MAP



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APPROVED BY: T. GRANTHAM
DRAWING FILE No.: 25-000313-C-IR-01

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SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

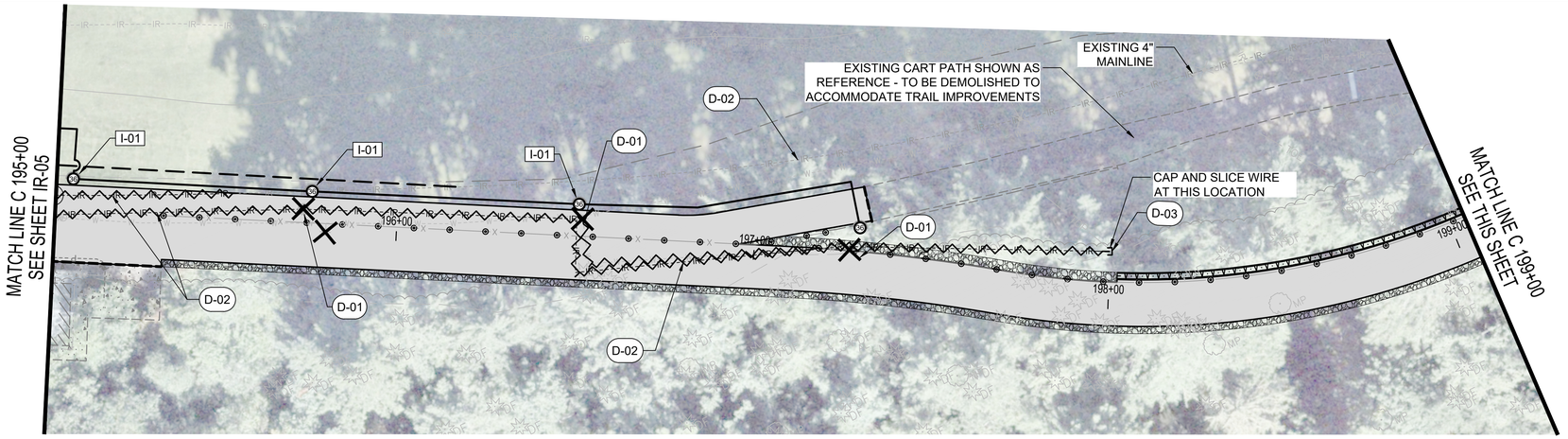
DESCHUTES VALLEY TRAIL
SEGMENT C

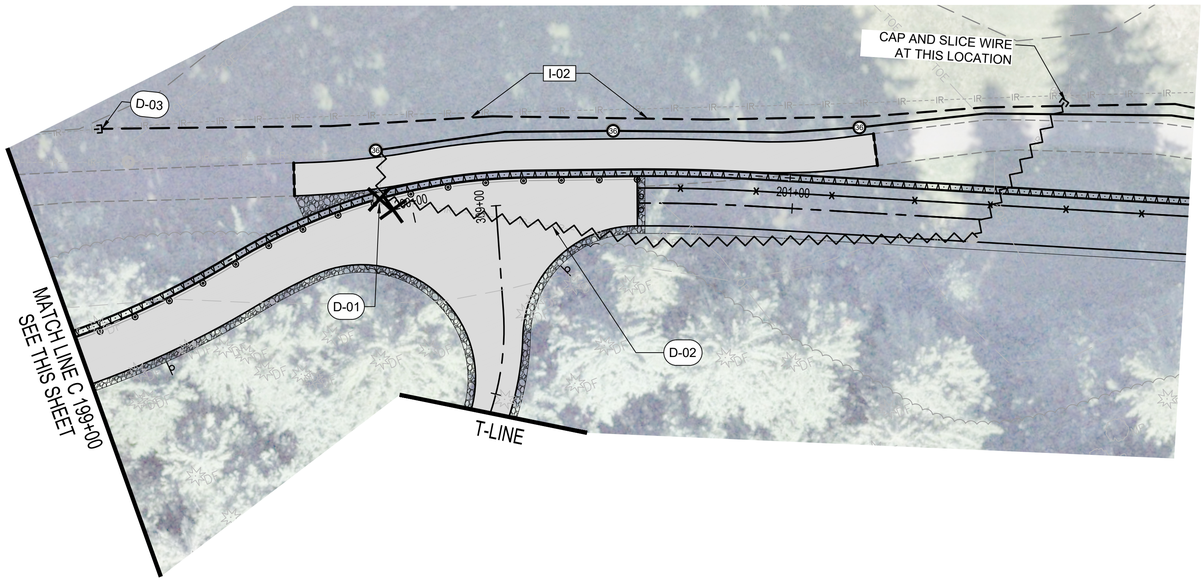
IRRIGATION MODIFICATION PLAN
C 186+50 - C 195+00

DRAWING No.: IR-05

SHEET No.: 139 OF 147

Aug 20, 2026 - 1:29:34pm - User: audreyvieldsen
N:\PROJECTS\625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CAD\25-000313-C-IR-01.DWG





0 20 40 60 feet
SCALE: 1" = 20'

NORTH

0 20 40 60 feet
SCALE: 1" = 20'

NORTH

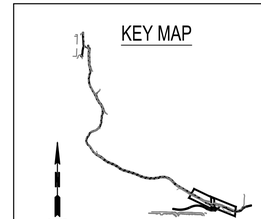
IRRIGATION DEMO AND INSTALLATION NOTES IR-06

SYMBOL	CODE	DESCRIPTION
DEMOLITION		
X / ~~~	D-01	SALVAGE IRRIGATION HEAD AND PROVIDE TO OWNER.
	D-02	REMOVE ALL IRRIGATION MAINLINE AND LATERAL LINE PIPING AND CONTROL OR TRACE WIRE FROM ENTIRE TRAIL WIDTH PLUS ADDITIONAL 2'-0" MIN. ON EITHER SIDE OF TRAIL PAVEMENT, OR AS SHOWN. (TYP. FOR ENTIRE TRAIL LENGTH)
	D-03	CUT IRRIGATION LATERAL PIPE AND CAP. ABANDON IRRIGATION PIPE AND WIRE DOWNSTREAM OF CUT, OR BETWEEN CUTS, IN PLACE.
IRRIGATION		
	I-01	INSTALL NEW IRRIGATION PART-CIRCLE ROTOR HEAD 2'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT.
	I-02	REROUTE MAINLINE. CUT EX. MAINLINE AND CONNECT NEW 4" IRRIGATION MAINLINE, LOCATE 6'-0" FROM PROPOSED TRAIL EDGE OF PAVEMENT, OR WHERE SHOWN.
		DISPOSE OF ALL PIPING AND WIRE REMOVED FROM GROUND OFF SITE. NO POPE OR WIRE SHALL BE SALVAGED AND REINSTALLED AS PART OF THIS PROJECT.

IRRIGATION SCHEDULE IR-06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
36	RAIN BIRD 752-E 36 VALVE IN HEAD ROTOR FOR GOLF APPLICATIONS. STANDARD NOZZLES, FULL CIRCLE ARC. RADIUS IS 27FT. TO 84FT.. FLOW RATE IS 6.7 GPM TO 47 GPM. PRESSURE REGULATION RANGE FROM 50PSI TO 100PSI.	80	68'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
⊤	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.		
———	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 BURY A MINIMUM OF 12" BELOW FINISHED GRADE. PLACE 24" BELOW GRADE UNDER PAVED SURFACED.		
— — — —	IRRIGATION MAINLINE: PVC SCHEDULE 40 BURY A MINIMUM OF 18" BELOW FINISHED GRADE, 24" BELOW PAVED SURFACES.		

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: L. ZEPEDA
DRAWN BY: L. ZEPEDA
APPROVED BY: T. GRANTHAM
ISSUE DATE: MAY 2026
JOB No.: 25-000313
DRAWING FILE No.: 25-000313-C-IR-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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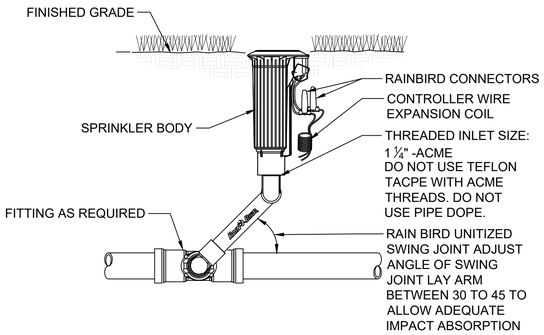
PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

IRRIGATION MODIFICATION PLAN
C 195+00 - C 203+00 & T 308+50 - T 309+05

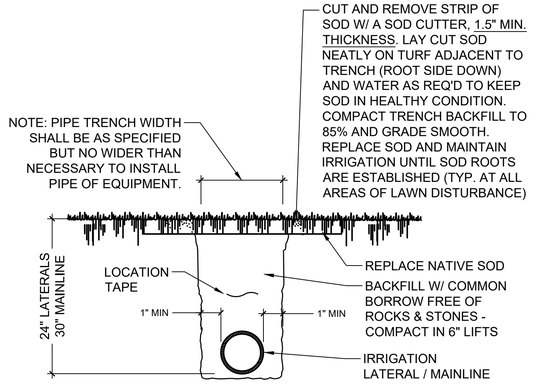
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SHEET No.: 140 OF 147

Aug 20, 2026 1:30:58pm - User audreyvielsen
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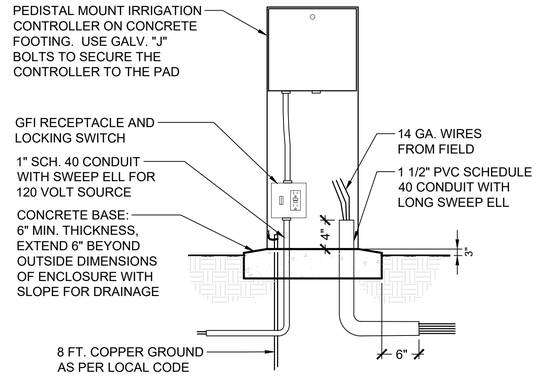
1 POP-UP SPRINKLER HEAD

N.T.S. P-PA-DVT-DVTD-05



2 TYPICAL IRRIGATION PIPE TRENCH

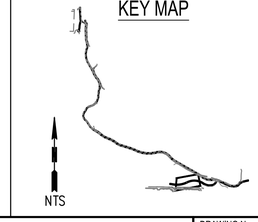
N.T.S. P-PA-DVT-DVTD-07



3 PEDESTAL MOUNT CONTROLLER

1" = 1'-0" P-PA-DVT-DVTC-06

KEY MAP



△	REVISIONS	DATE	BY

DESIGNED BY: L. ZEPEDA	ISSUE DATE: MAY 2026
DRAWN BY: L. ZEPEDA	JOB No.: 25-000313
APPROVED BY: T. GRANTHAM	DRAWING FILE No.: 25-000313-C-IR-01

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P: 360.352.1465
SCJALLIANCE.COM

PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

IRRIGATION MODIFICATION PLAN
C 203+00 - C 203+34

DRAWING No.: IR-07

SHEET No.: 141 OF 147

Aug 20, 2026 12:48:19pm - User: aufreynielsen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD\25-000313-C-IR-01.DWG

CONTRACTOR INSTALLATION AND PLANTING PLAN MITIGATION NOTES:

THE OVERALL GOAL OF THE MITIGATION WILL BE TO DECREASE WEEDY VEGETATION AND REPLACE WITH A SUITE OF NATIVE PLANTS THAT CAN PROVIDE A WIDER RANGE OF HABITAT OPPORTUNITIES FOR BIRDS AND SMALL MAMMALS IN THE AREA. THE CONTRACTOR SHALL ENSURE THAT THE MINIMUM PERFORMANCE STANDARDS OF THE MITIGATION PLANTING PLAN TECHNICAL MEMO COMPLETED IN JUNE 2026 BY LAND SERVICES NW ARE MET AND FOLLOW THE INSTALLATION AND PLANTING PLAN PHASES BELOW.

PHASE 1: WEED REMOVAL AND SITE PREPARATION

- CONTRACTOR TO PREPARE THE MITIGATION AREAS FOR PLANTING BY CLEARING THE PLANTING AREAS OF GARBAGE AND WEEDY PLANT SPECIES.
- CONTRACTOR SHALL TREAT REED CANARY GRASS AT LEAST 2 MONTHS PRIOR TO PLANTING.
- CONTRACTOR SHALL REMOVE INVASIVE SPECIES IN EARLY SUMMER.

PHASE 2: MITIGATION AREA PREP AND PLANTING SIGNAGE

- CONTRACTOR TO PROVIDE SURFACE MULCHING 3–4 INCHES DEEP AROUND NEW PLANTS.
- PLANTING OF THE MITIGATION AREA WILL BE CARRIED OUT WHEN PLANTS ARE DORMANT BETWEEN LATE FALL AND EARLY SPRING, FOLLOWING COMPLETION OF PHASE 1.
- PLANTINGS SHALL BE INSTALLED WITH PROTECTIVE WIRE CAGES TO PREVENT DAMAGE.
- PLANT SPECIES LISTS FOR BUFFER AREAS ARE PROVIDED ON SHEET WM–06.

PHASE 3: PLANT ESTABLISHMENT

- THE CONTRACTOR IS RESPONSIBLE FOR 1 YEAR OF PLANT ESTABLISHMENT PER THE WSDOT STANDARD SPECIFICATIONS.
- ADDITIONAL MONITORING WILL BE REQUIRED BY OTHERS.

CITY OF TUMWATER WILL ENSURE THE CONTRACTOR IS FOLLOWING ALL INSTALLATION AND PLANTING PLAN PHASES. THE CITY IS RESPONSIBLE FOR MAKING SURE THE ANNUAL MONITORING IS CARRIED OUT CORRECTLY. MONITORING IMMEDIATELY AFTER INSTALLATION (BY THE CITY) WILL CONSIST OF:

- EVALUATION OF THE PLANTINGS IMMEDIATELY AFTER INSTALLATION CONSTRUCTION TO DOCUMENT HOW THE PLAN WAS FOLLOWED;
- DOCUMENTATION OF CHANGES TO THE PLANTING PLAN;
- DOCUMENTATION THAT PLANTS WERE INSTALLED APPROPRIATELY; AND
- DOCUMENTATION OF WHAT PLANTS WERE INSTALLED OR SUBSTITUTED.

Aug 20, 2026 12:47:31pm – User: audreyvieleen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD_25-000313-WM-05.DWG

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-WM-05

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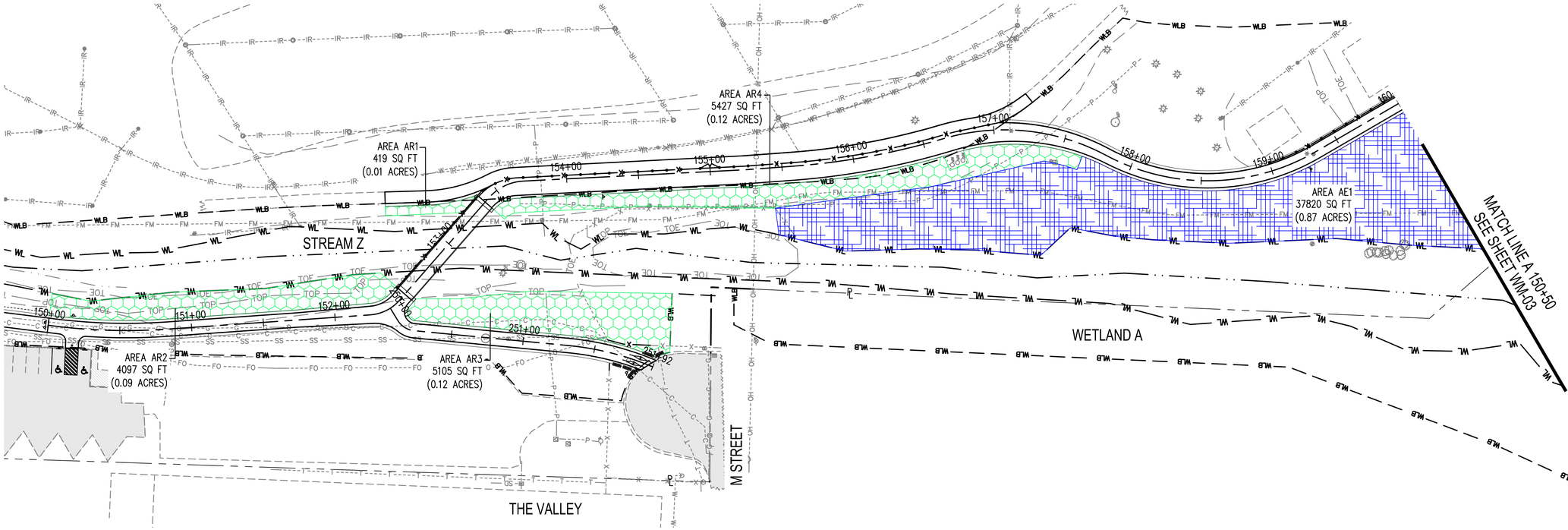
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P: 360.352.1465
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PROJECT NAME:
CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

WETLAND MITIGATION NOTES

DRAWING No.: WM-01
SHEET No.: 142 OF 148



N

0 40 80

SCALE IN FEET

LEGEND

- EDGE OF PAVEMENT
- GRAVEL SHOULDER
- EDGE OF FAIRWAY
- PROPERTY LINE
- STREAM
- WETLAND DELINEATION
- WETLAND BUFFER
- REHABILITATED AREA
- ENHANCED AREA

GENERAL NOTES:

FOR BUFFER ENHANCEMENT AND REHABILITATION AREA PLANTING SPECIES AND PLANT COUNT, SEE TABLES ON SHEET 4 AND THE SPECIAL PROVISIONS.

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
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APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-WM-01

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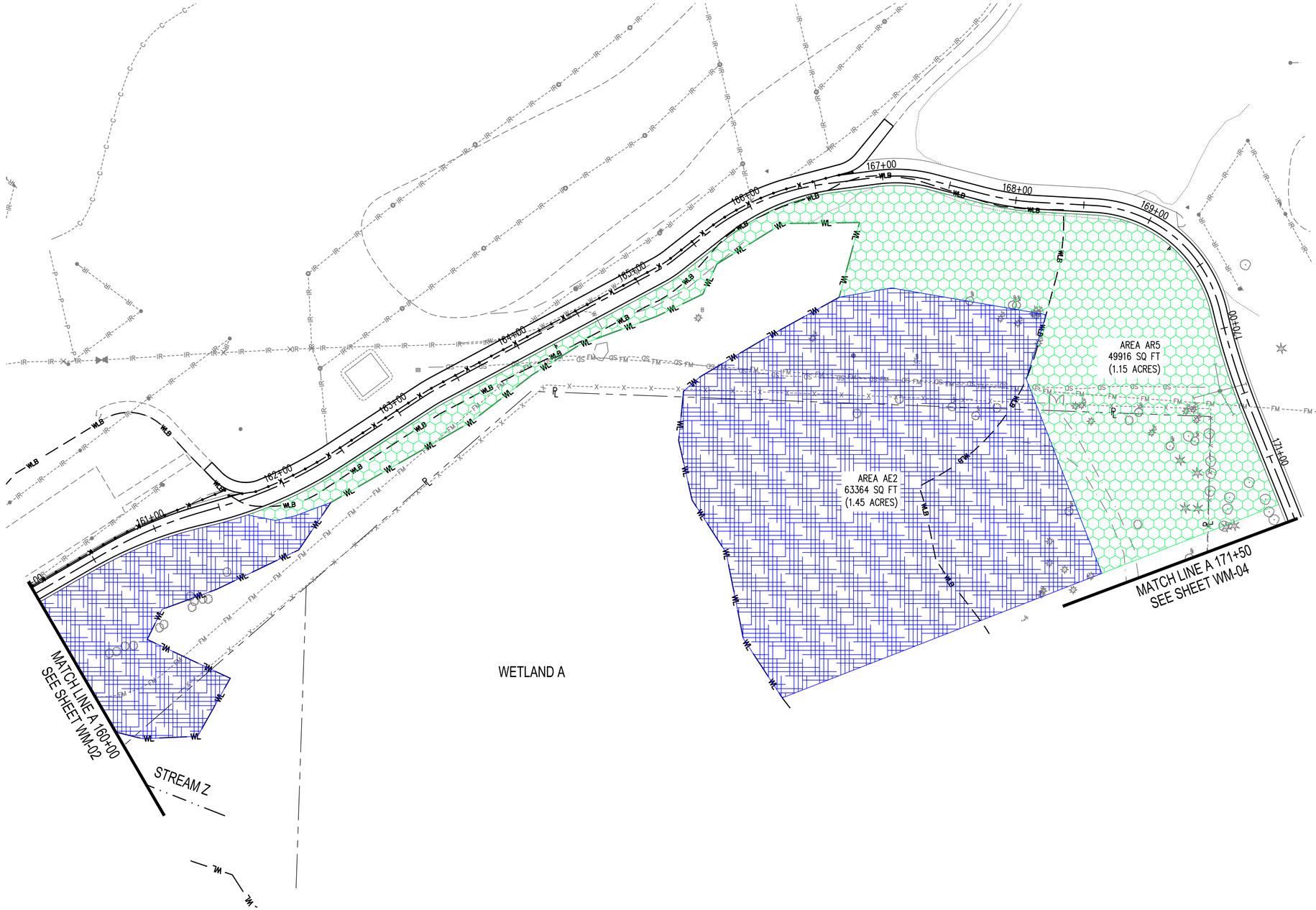
DESCHUTES VALLEY TRAIL
SEGMENT C

WETLAND MITIGATION PLAN
A 150+00 - A 150+50

DRAWING No.: WM-02

SHEET No.: 143 OF 148

Aug 20, 2026 1:17:38pm – User: ouekeynielsen
N:\PROJECTS\0525 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD_25-000313-WM-01.DWG



△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ	ISSUE DATE: AUGUST 2026
DRAWN BY: M. HENDRICKS-MATSUDA	JOB No.: 25-000313
APPROVED BY: P. HOLM	DRAWING FILE No.: _25-000313-WM-02

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

WETLAND MITIGATION PLAN
A 160+00 - A 171+50

DRAWING No.: WM-03

SHEET No.: 144 OF 148

Aug 20, 2026 1:43:27pm - User: aufreynielsen
N:\PROJECTS\0626 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD_25-000313-WM-02.DWG



0 40 80

SCALE IN FEET

LEGEND

- EDGE OF PAVEMENT
- GRAVEL SHOULDER
- EDGE OF FAIRWAY
- PROPERTY LINE
- STREAM
- WL — WETLAND DELINEATION
- WLB — WETLAND BUFFER
- REHABILITATED AREA
- ENHANCED AREA

GENERAL NOTES:

FOR BUFFER EHANCEMENT AND REHABILITATION AREA PLANTING SPECIES AND PLANT COUNT, SEE TABLES ON SHEET 4 AND THE SPECIAL PROVISIONS.

KEY MAP

NTS

△	REVISIONS	DATE	BY

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DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-WM-03

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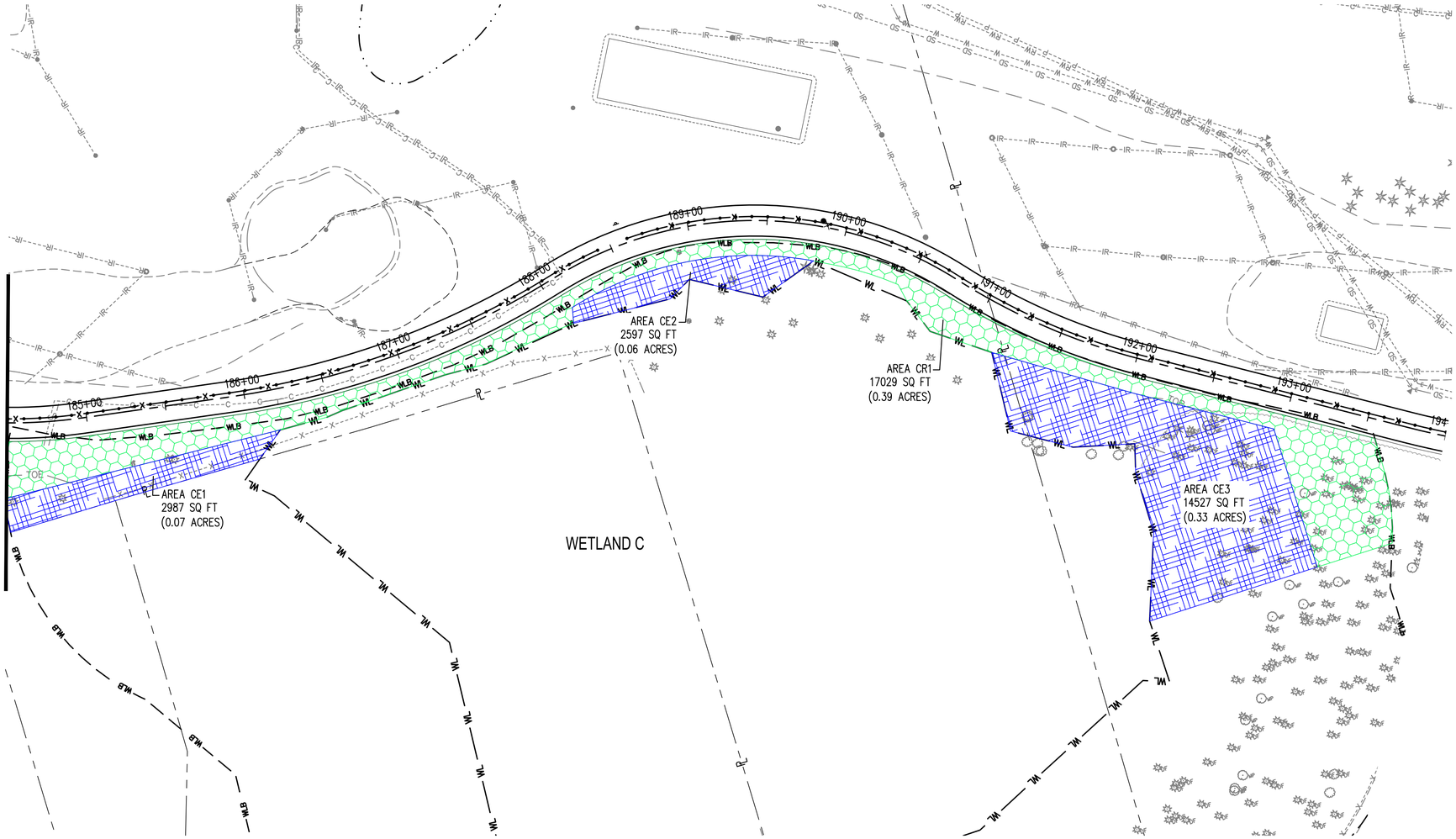
DESCHUTES VALLEY TRAIL
SEGMENT C

WETLAND MITIGATION PLAN
A 171+50 - A 184+00

DRAWING No.: WM-04

SHEET No.: 145 OF 148

Aug 20, 2026 12:45:27pm – User: audreyeileen
N:\PROJECTS\2025 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD_25-000313-WM-03.DWG



0 40 80

SCALE IN FEET

LEGEND

- EDGE OF PAVEMENT
- GRAVEL SHOULDER
- EDGE OF FAIRWAY
- PROPERTY LINE
- STREAM
- WL — WETLAND DELINEATION
- WLB — WETLAND BUFFER
- REHABILITATED AREA
- ENHANCED AREA

GENERAL NOTES:

FOR BUFFER ENHANCEMENT AND REHABILITATION AREA PLANTING SPECIES AND PLANT COUNT, SEE TABLES ON SHEET 4 AND THE SPECIAL PROVISIONS.

KEY MAP

NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM

ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-WM-04

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

WETLAND MITIGATION PLAN
A 184+50 - A 194+00

DRAWING No.: WM-05

SHEET No.: 146 OF 148

Aug 20, 2026 1:23:13pm - User: audreyvieleen
N:\PROJECTS\0625 CITY OF TUMWATER\25-000313 TUMWATER DESCHUTES VALLEY TRAIL\CADD_25-000313-WM-04.DWG

DESCHUTES VALLEY TRAIL

POLYGON	AREA (SQ FT)	SPECIES LIST	PLANT COUNT	COMMENT
NOTE: ALL PLANTING DESCRIBES BELOW IS ONLY TO OCCUR AFTER INITIAL REMOVAL OF GARBAGE AND WEED CONTROL IS DEEMED COMPLETE BY THE CITY OF TUMWATER.				
AE1 ENHANCED	37,820	PACIFIC WILLOW (SALIX.LASSIANDRA) SITKA SPUCE (PICEA.SITCHENSIS) WESTERN HEMLOCK (TSUGA.HETEROPHYLLA) NOOTKA ROSE (RANUNCULUS.OCCIDENTALIS) PACIFIC NINEBARK (PHYSOCARPUS.CAPITATUS) DOUGLAS HAWTHORNE (CRATAEGUS.DOUGLASII) OSOBERRY (OEMLERIA.CERASIFORMIS) SLOUGH SEDGE (CAREX OBNUPTA)	40 80 56 100 100 100 43 100	5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING
AE2 ENHANCED	63,364	PACIFIC WILLOW (SALIX.LASSIANDRA) SITKA SPUCE (PICEA.SITCHENSIS) WESTERN HEMLOCK (TSUGA.HETEROPHYLLA) NOOTKA ROSE (RANUNCULUS.OCCIDENTALIS) PACIFIC NINEBARK (PHYSOCARPUS.CAPITATUS) DOUGLAS HAWTHORNE (CRATAEGUS.DOUGLASII) OSOBERRY (OEMLERIA.CERASIFORMIS) SLOUGH SEDGE (CAREX OBNUPTA)	60 120 84 150 150 150 64 150	5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING
AR1 REHABILITATED	419	SITKA SPRUCE (PICEA SITCHENSIS) BITTER CHERRY (PRUNUS EMARGINATA) BLACK COTTONWOOD (POPULUS BALSAMIFER) VINE MAPLE (ACER CIRCINATUM) PACIfiC CRABAPPLE (MALUS.FUSCA) SALMONBERRY (RUBUS.SPECTABILIS) RED ELDERBERRY (SAMBUCA.RACEMOSA) MOCK ORANGE (PHILADELPHUS.LEWISII) OCEANSPRAY (HOLODISCUS.DISCOLOR)	1 1 1 10 1 2 1 1 1	1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
AR2 REHABILITATED	4,097	SITKA SPRUCE (PICEA SITCHENSIS) BITTER CHERRY (PRUNUS EMARGINATA) BLACK COTTONWOOD (POPULUS BALSAMIFER) VINE MAPLE (ACER CIRCINATUM) PACIfiC CRABAPPLE (MALUS.FUSCA) SALMONBERRY (RUBUS.SPECTABILIS) RED ELDERBERRY (SAMBUCA.RACEMOSA) MOCK ORANGE (PHILADELPHUS.LEWISII) OCEANSPRAY (HOLODISCUS.DISCOLOR)	7 7 7 70 7 14 8 7 7	1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
AR3 REHABILITATED	5,105	SITKA SPRUCE (PICEA SITCHENSIS) BITTER CHERRY (PRUNUS EMARGINATA) BLACK COTTONWOOD (POPULUS BALSAMIFER) VINE MAPLE (ACER CIRCINATUM) PACIfiC CRABAPPLE (MALUS.FUSCA) SALMONBERRY (RUBUS.SPECTABILIS) RED ELDERBERRY (SAMBUCA.RACEMOSA) MOCK ORANGE (PHILADELPHUS.LEWISII) OCEANSPRAY (HOLODISCUS.DISCOLOR)	8 8 8 80 8 16 9 8 8	1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING

POLYGON	AREA (SQ FT)	SPECIES LIST	PLANT COUNT	COMMENT
NOTE: ALL PLANTING DESCRIBES BELOW IS ONLY TO OCCUR AFTER INITIAL REMOVAL OF GARBAGE AND WEED CONTROL IS DEEMED COMPLETE BY THE CITY OF TUMWATER.				
AR4 REHABILITATED	5,427	SITKA SPRUCE (PICEA SITCHENSIS) BITTER CHERRY (PRUNUS EMARGINATA) BLACK COTTONWOOD (POPULUS BALSAMIFER) VINE MAPLE (ACER CIRCINATUM) PACIfiC CRABAPPLE (MALUS.FUSCA) SALMONBERRY (RUBUS.SPECTABILIS) RED ELDERBERRY (SAMBUCA.RACEMOSA) MOCK ORANGE (PHILADELPHUS.LEWISII) OCEANSPRAY (HOLODISCUS.DISCOLOR)	9 9 9 90 9 18 10 9 9	1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
AR5 REHABILITATED	49,916	SITKA SPRUCE (PICEA SITCHENSIS) BITTER CHERRY (PRUNUS EMARGINATA) BLACK COTTONWOOD (POPULUS BALSAMIFER) VINE MAPLE (ACER CIRCINATUM) PACIfiC CRABAPPLE (MALUS.FUSCA) SALMONBERRY (RUBUS.SPECTABILIS) RED ELDERBERRY (SAMBUCA.RACEMOSA) MOCK ORANGE (PHILADELPHUS.LEWISII) OCEANSPRAY (HOLODISCUS.DISCOLOR)	79 79 79 790 79 158 92 79 79	1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
BE1 ENHANCED	28,684	WESTERN RED CEDAR (THUJA.PLICATA) SCOULERS WILLOW (SALIX.SCOULERIANA) OREGON ASH (FRAXINUS.LATIFOLIA) TWINBERRY (LONICERA.INVOLUCRATA) SALMONBERRY (RUBUS.SPECTABILIS) SCOULERS WILLOW (SALIX.SCOULERI) RED OSIER DOGWOOD (CORNUS.SERICEA) PACIfiC RHODODENDRON (RHODODENDRON.MACROPHYLLUM) RED ELDERBERRY (SAMBUCA.RACEMOSA)	28 28 75 55 55 55 55 55 55	5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 10 FT. O.C. SPACING 5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
BE2 ENHANCED	24,482	WESTERN RED CEDAR (THUJA.PLICATA) SCOULERS WILLOW (SALIX.SCOULERIANA) OREGON ASH (FRAXINUS.LATIFOLIA) TWINBERRY (LONICERA.INVOLUCRATA) SALMONBERRY (RUBUS.SPECTABILIS) SCOULERS WILLOW (SALIX.SCOULERI) RED OSIER DOGWOOD (CORNUS.SERICEA) PACIfiC RHODODENDRON (RHODODENDRON.MACROPHYLLUM) RED ELDERBERRY (SAMBUCA.RACEMOSA)	22 22 61 45 45 45 45 45 45	5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 10 FT. O.C. SPACING 5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
BR1 REHABILITATED	3,558	WESTERN RED CEDAR (THUJA PLICATA) SITKA WILLOW (SALIX.SITCHENSIS) SALMONBERRY (RUBUS.SPECTABILIS) PACIfiC CRAB (MALUS FUSCA) BLUE ELDERBERRY (SAMBUCA.NEGRA) DOUGLAS HAWTHORNE (CRATAEGUS.DOUGLASII) OCEANSPRAY (HOLODISCUS.DISCOLOR)	10 6 10 10 10 5 5	1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 10 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING

POLYGON	AREA (SQ FT)	SPECIES LIST	PLANT COUNT	COMMENT
NOTE: ALL PLANTING DESCRIBES BELOW IS ONLY TO OCCUR AFTER INITIAL REMOVAL OF GARBAGE AND WEED CONTROL IS DEEMED COMPLETE BY THE CITY OF TUMWATER.				
BR2 REHABILITATED	10,862	WESTERN RED CEDAR (THUJA PLICATA) SITKA WILLOW (SALIX.SITCHENSIS) SALMONBERRY (RUBUS.SPECTABILIS) PACIfiC CRAB (MALUS FUSCA) BLUE ELDERBERRY (SAMBUCA.NEGRA) DOUGLAS HAWTHORNE (CRATAEGUS.DOUGLASII) OCEANSPRAY (HOLODISCUS.DISCOLOR)	30 18 30 30 30 15 15	1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 10 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
CE1 ENHANCED	2,987	SITKA SPRUCE (PICEA.SITCHENSIS) WESTERN RED CEDAR (THUJA.PLICATA) SNOWBERRY (SYMPHORICARPUS.ALBA) SALMONBERRY (RUBUS.SPECTABILIS) RED ELDERBERRY (SAMBUCA.RACEMOSA) RED fLOWERING CURRANT (RIBES.SANGUINEUM) OCEANSPRAY (HOLODISCUS.DISCOLOR)	7 6 8 8 8 8 3	1 GAL @ 15 FT. O.C. SPACING 5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
CE2 ENHANCED	2,597	SITKA SPRUCE (PICEA.SITCHENSIS) WESTERN RED CEDAR (THUJA.PLICATA) SNOWBERRY (SYMPHORICARPUS.ALBA) SALMONBERRY (RUBUS.SPECTABILIS) RED ELDERBERRY (SAMBUCA.RACEMOSA) RED fLOWERING CURRANT (RIBES.SANGUINEUM) OCEANSPRAY (HOLODISCUS.DISCOLOR)	6 5 5 5 5 5 3	1 GAL @ 15 FT. O.C. SPACING 5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
CE3 ENHANCED	14,527	SITKA SPRUCE (PICEA.SITCHENSIS) WESTERN RED CEDAR (THUJA.PLICATA) SNOWBERRY (SYMPHORICARPUS.ALBA) SALMONBERRY (RUBUS.SPECTABILIS) RED ELDERBERRY (SAMBUCA.RACEMOSA) RED fLOWERING CURRANT (RIBES.SANGUINEUM) OCEANSPRAY (HOLODISCUS.DISCOLOR)	36 29 37 37 37 37 19	1 GAL @ 15 FT. O.C. SPACING 5 GAL @ 15 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING
CR1 REHABILITATED	17,029	WESTERN HEMLOCK (PICEA SITCHENSIS) PACIfiC WILLOW (SALIX LASSIANDRA) VINE MAPLE (ACER MACROPHYLLUM) SNOWBERRY (SYMPHORICARPUS.ALBA) OSOBERRY (OEMLERIA.CERASIFORMUS) RED ELDERBERRY (SAMBUCA.RACEMOSA) MOCK ORANGE (PHILADELPHUS.LEWISII) OCEANSPRAY (HOLODISCUS.DISCOLOR)	40 20 16 50 50 40 25 25	1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 15 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 5 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING 1 GAL @ 8 FT. O.C. SPACING

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ
DRAWN BY: M. HENDRICKS-MATSUDA
APPROVED BY: P. HOLM
ISSUE DATE: AUGUST 2026
JOB No.: 25-000313
DRAWING FILE No.: _25-000313-WM-05

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

PATRICK HOLM — STATE OF WASHINGTON — 49970 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

WETLAND MITIGATION SPECIES LIST & PLANT COUNT

DRAWING No.: WM-06
SHEET No.: 147 OF 148

Aug 20, 2026 1:40:01pm - User: aufreyriebsen
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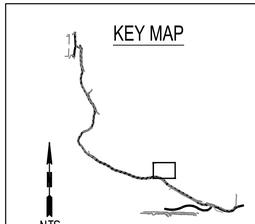
SCALE IN FEET

LEGEND

EXISTING DITCH

X% SLOPE ARROW

KEY MAP



NTS

△	REVISIONS	DATE	BY

DESIGNED BY: R. MARTINEZ

DRAWN BY: M. HENDRICKS-MATSUDA

APPROVED BY: P. HOLM

ISSUE DATE: AUGUST 2026

JOB No.: 25-000313

DRAWING FILE No.: 25-000313-C-FP-01

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PROJECT NAME:

CITY OF TUMWATER

DESCHUTES VALLEY TRAIL
SEGMENT C

COMPENSATORY STORAGE

DRAWING No.: FP-01

SHEET No.: 148 OF 148

Aug 20, 2026 1:37:05pm - User: audreyvielsen
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