

Parsons, Susan

From: Birdshill CPO/NA <birdshill.cpo.na@gmail.com>
Sent: Tuesday, June 21, 2016 2:19 PM
To: Parsons, Susan; Council Clerk – Testimony; Birdshill CPO/NA
Cc: FFLD13300a_GILMER_William GILMER; BBRD00100a_MARKS_Christopher Marks; ormsbyoh@comcast.net; Colin Graham; SSTM13910a_TORKELSON_Eric_n_Lisa TORKELSON; Hilary Murphy
Subject: Rqst PTCC Communication wrt TBSP 2016 Jun 29 Wed

Birdshill CPO / NA Co-Chair 2016-2017
Charles Ormsby (Skip) transmits request to
Portland City Recorder Office for
Council Communication time at
Portland City Council (PTCC) meeting
scheduled for 2016 Jun 29 Wednesday.
Issue
Bureau of Environmental Services (PBES)
Terwilliger Blvd Sewer Project (TBSP)
Follow on to documents transmitted on
2016 Jun 15 Wed 14:43 U (2:43 PM PT)
Links provide access to documents.

2016 Jun 21 Tuesday 13:45 U [1:45 PM PT]

Charles B. Ormsby (Skip)
Co-Chair Birdshill CPO / NA 2016 – 2017
A joint Clackamas County Community Planning Organization (CPO)
and City of Lake Oswego Oregon Neighborhood Association (NA)
Phn: 503.636.4483 Residence
E-mail: birdshillcpona@gmail.com

Susan Parsons
Assistant Council Clerk ([PTCR](#))
Portland City Auditors Office ([PCAO](#))
Portland City Hall Suite 130 1st Flr NW
1221 SW 4th Avenue Suite 130 Thms_gde PDXM / 0596 / F6
Portland OR 97204-1900
GEth: 45°30'53.61"N, 122°40'43.63"W, Elev:??? ft ASL
GMap: [G PT PTDT-PT City Hall 1221 SW 4Th](#)
ACME: [A PT PTDT-PT City Hall 1221 SW 4Th](#)
Phn: Desk: 503.823.4085, Admn: 503.823.4082,
Cell: 503.Unk.Cell
Wb: Wb: [PT City Recorder](#), [PTCR](#), [PTCRCh](#), [PCAO](#), [PEOF](#)
Em1: susan.parsons@portlandoregon.gov
Em2: cctestimony@portlandoregon.gov,
CR: Visit: [BH Know GOV](#), See: [2007 Nov MTRO OR43 Trav Cooridor](#)

Distribution

Birdshill CPO / NA Board

01.0 Disposition

0.1 Forward as you see fit

Subject: Rqst PTCC Communication wrt TBSP 2016 Jun 29 Wed

Where:

Rqst = Request

[PTEO](#) = PTCC Portland Elected Officials (City Council) (2015 – 2016)

TBSP = Terwilliger Blvd Sewer Project (E10413)

Visit: [PBES Project TBSP](#) (Official City of Portland page)

Visit: [BHCN PBES Project TBSP](#) (Birdshill CPO / NA website)

Note other abbreviations in this email

BH / BHCN = Birdshill CPO / NA

CPO = Community Planning Organization(s)
(Clackamas County, See: [CPO CC](#))

[CCBC](#) = Clackamas County Board of Commissioners

[CCDT](#) = Clackamas County Deptment of Transportation

[LOCC](#) = Lake Oswego City Council (2015-2016)

[LOPC](#) = Lake Oswego Planning Commission (2015-2016)

[LOWP](#) = Lake Oswego Wastewater Master Plan (PP 12-0012)

[PHWD](#) = Palatine Hill Water District

[RVFD](#) = Riverdale Rural Fire Protection District 11JT

[PBES](#) = Portland Bureau of Environmental Services

[PBOT](#) = Portland Bureau of Transportation

[TBSP](#) = Terwilliger Blvd Sewer Project

OR43 = Oregon Highway 43 ([OR43 wknd](#))

NA = Neighborhood Association(s)

[CC](#) = Clackamas County, Nbhhd Visit: ([OCI MC](#))

[MC](#) = Multnomah County, Nbhhd Visit: ([OCI MC](#))

[LO](#) = City of Lake Oswego, Nbhhd Visit: ([NA LO](#))

[PT](#) = City of Portland, Nbhhd Visit: ([ONI PT](#)), [SWNI](#)

[Sellwood Br](#) = Sellwood Bridge Project

Note: **Yellow Highlighted links** need viewing + study

Good Afternoon:

Please schedule Citizen Communicatin time before the Portland City Council at the meeting Scheduled for 2016 Jun 29 Wednesday 09:30 U (9:30 AM PT)

Issue is the Terwilliger Blvd Sewer Project (E10413)

Primary documents transmitted by email on 2016 Jun 15 Wednesday 14:43 U (2:43 PM PT)

See: [2016 Jun BHCH Em Gv 2016 TBSP DS01](#)

Visit: [BHCN TBSP 2016 BH Emails](#), Site: [BHCN PBES Project TBSP](#)

At least one more email based upon item above is to follow within 48 hours. It will contain links only.

Also thank you for

1. The phone call circa 2016 Jun 21 Tuesday 13:15 U (1:15 PM PT)
2. Extra time to submit this email that was deadline of 12:00 noon.

Thanks

Skip

Charles B. Ormsby (Skip)

Birdhill CPO / NA, Co-Chair 2016 – 2017

A Joint Clackamas County Community Planning Organization

City of Lake Oswego Oregon Neighborhood Association (NA)

Locale (Centroid = Approximate Geographic Center)

See: [G CC BHCN-Underhill Rd / Midvale Rd](#) (Street + Images)

See: [A CC BHCN-Underhill Rd / Midvale Rd](#) (Topo)

Clackamas County & Lake Oswego UGMA

170 SW Birdhill Road

Portland Oregon 97219-8502

Phn: 503.636.4483 Residence

E-mail: birdshillepona@gmail.com

Attached Documents (ATnn) Zero (0) total:

Cross Referenced Documents (CRnn) Numerous:

See links above and item(s) below

CR01

Title: 2016_TBSP_DS01 = Document Set 01 – Please Study

Date: 2016 Jun 15 Wednesday 14:43 U (2:43 PM PT)

Link BHCN: [2016 Jun BHCH EmGv 2016 TBSP_DS01](#)

Page BHCN: [BHCN TBSP 2016 BH Emails](#) Site: [BHCN PBES Project TBSP](#)

File BHCN:

EMAL_2016_06Jun_15We_1443U_BHCN_GvEn_2016_TBSP_DS01.pdf

Size: 211 kb, Page(s): 14

Parsons, Susan

From: Birdshill CPO/NA <birdshill.cpo.na@gmail.com>
Sent: Monday, June 27, 2016 2:20 PM
To: Simpson, Anne-Marie; Council Clerk – Testimony; Parsons, Susan; maryr@co.clackamas.or.us; boardclerk@multco.us; metro council@oregonmetro.gov; kyraschneider@oregonmetro.gov; OTC Admin
Cc: Birdshill CPO/NA
Subject: 2016_TBSP_DS01 = Document Set 01 – Please Study BHRs RC2
Attachments: IGPA_BHCN_CP01_OR43_Brey_2016_06Jun_26Su_1600U.pdf, PPLA_BHCN_Imag_CP01_OR43_BreyX02_2016_06Jun_26Su_1600U.pdf, MPUACLGIS_Hist_Dunthorpe_1911_01Jan_02Mo_1700U.pdf

Birdshill CPO / NA Co-Chair 2016-2017

Charles Ormsby (Skip) sends link for infographic:

See: [2016 Jun BHCN CP01 OR43 / Breyman](#)

Link above identifies critical access issues to Birdshill CPO / NA by residents evolving from PBES – Portland Bureau of Environmental Svcs TBSP – Terwilliger Blvd Sewer Project. 2016 Document Set 01 (2016_TBSP_DS01) contains DRAFT(s) of :

1. Traffic Diversion Plan and signage:

See: [2016 Jun PBES Traffic Plans Draft](#)

2. CCDT permit for construction:

See: [2016 Jun CCDT Permit TBSP Draft](#)

Co-Chair requests residents study and others record for public record.

Coordinated government entity study sessions and hearings have not been scheduled – YET. TBSP forecasted to begin 2016 Oct then continue through 2017 May (minimum). More summaries to evolve rapidly and be released / transmitted shortly.

2016 Jun 27 Monday 14:15 U [2:15 PM PT]

Charles B. Ormsby (Skip)

Co-Chair Birdshill CPO / NA 2016 – 2017

A joint Clackamas County Community Planning Organization (CPO) and City of Lake Oswego Oregon Neighborhood Association (NA)

Phn: 503.636.4483 Residence

E-mail: birdshillcpona@gmail.com

Distribution

Birdshill CPO / NA Residents

Riverdale NA (Neighbors)

Lake Oswego Urban Growth Management Area (UGMA)

Affected Entities Known Government Entities

01.0 Disposition

0.1 Forward as you see fit

01.1.1 AGND = Agenda document

01.2 AGIN = Interactive Agenda document (links to meeting video)

01.3 Record as testimony for LO Planning Commission ([LOPC](#)) ([LMTG](#))

Meeting: 2016 Jun 27 Monday 18:30 U (6:30 PM PT)

Link: [LOPC Mtng 110 2016 Jun 27 Mon 18:30 U](#)

Agenda Item 4.0, by Interactive Agenda (AGIN)

Link : [AGIN_LOPC_110_2016_Jun_27Mo_Item_04](#)

01.4 Record as testimony for Portland City Council () ([PTEQ](#))

Meeting: 2016 Jun 29 Wednesday 09:30 U (9:30 AM PT)

Link : Not available

Agenda Item 7.0, by Interactive Agenda (AGIN)

Link : Not available

01.5 Record as testimony for Multnomah County Commission Meeting ([MCBC](#))

Meeting: 2015 Jun 30 Thursday 09:30 U (9:30 AM PT)

Link: [MCBC Mtng Bsn 2016 Jun 30 Thu 09:30 U](#)

Agenda Item 7.0, by Interactive Agenda (AGIN)

Link : Not available

01.6 Record as testimony for Clackamas County Commission Meeting ([CCBC](#))

Meeting: 2016 Jun 30 Thursday 18:00 U (6:00 PM PT)

Link: [CCBC Mtng Bsn 2016 Jun 30 Thu 10:00 U](#)

Agenda (AGND): [AGND CCBC 2016 Jun 30 Th 10:00 U](#)

I – (1.0) Public Comment

01.4 Record as testimony for Metro Regional Council ([MTRC](#))

Meeting: 2015 Jun 30 Thursday 13:30 U (1:30 PM PT)

Link: [MTRC Mtng 2016 Jun 30 Th 13:30 U](#)

Meeting: 2016 Jun 30 Thursday 13:30 U (1:30 PM PT)

Willamette View Manor- Main Auditorium

12705 SE River Rd

Milwaukie, Oregon 97031

See: [G CC OGCC-Willamette View Manor](#) (Street + Images)

See: [A CC OGCC-Willamette View Manor](#) (Topo)

Agenda (AGND): [AGND MTRC 2016 Jun 30 Th 13:30 U](#)

2.0 – Citizen Communication

01.5 Record as testimony for LO City Council Meeting ([LMTG](#)) ([LOCC](#))

Meeting: 2016 Jul 05 Tuesday 18:30 U (6:30 PM PT)

Link: [LOCC Mtng 174 2016 Jul 05 Tue 18:30 U](#)

Agenda Item 7.0, by Interactive Agenda (AGIN)

Link : Not available

01.6 Record as testimony for Oregon Transportation Commission ([OTC](#))

([OTC contact](#)) Note oversight for [ODOT](#)

Meeting: 2016 Jul 21 Thursday 09:00 U (9:00 AM PT)

Transportation Bldg on Capitol Mall

355 Capitol Street NE,

Salem OR 97301-3871

GEth: 44°56'24.6"N 123°01'39.8"W, Elev:??? ft ASL

GMap: [G OR-SLE-ODOT HQ Trans Bldg Capitol Mall](#)

ACME: [A OR-SLE-ODOT HQ Trans Bldg Capitol Mall](#)

Agenda Item ? – Not Posted

Link : Not Posted

Subject: 2016_TBSP_DS01 = Document Set 01 – Please Study BHRs RC2

Where:

TBSP = Terwilliger Blvd Sewer Project (E10413)

Visit: [PBES Project TBSP](#) (Official City of Portland page)

Visit: [BHCN PBES Project TBSP](#) (Birdshill CPO / NA website)

2016_TBSP_DS01 = 2016 Document Set 01 for TBSP

Visit: [BHCN TBSP 2016 PBES Docs](#) (Birdshill CPO/ NA posting site)

BHRs = Birdshill CPO / NA residents

Note: **Yellow Highlighted links** need viewing + study

Good Afternoon Birdshill and Riverdale Residents:

2.0 Summary

Please study [linked document](#) below and others linked by red link labels accessible through the following hyperlink:

L1: See: [2016 Jun BHCN CP01 OR43 / Breyman](#)

Title: CP01: Critical Point 01 wrt TBSP and BHCN plus RVNA

TBSP has been underway since 2010 or before. I have yet to see project charts that illuminate milestones, and critical paths substantiated with documents on a timeline.

I was informed by a phone call circa 2016 Jun 23 Thursday 16:00 U (4:00 PM PT) from Clackamas County Department of Transportation and Development (CCDT) of the following:

- 2.1. TBSP length – seven (7) months, 2016 Oct – 2017 May.
- 2.2. Terwilliger Blvd closed – seven (7) months, details on link above.
- 2.3. Glen Road paving (Critical Segment 01) circa 2016 Sep.

Note also traffic impacts on Terwilliger Blvd beginning in mid August at the time of 2016-2017 school start up

L2. Visit: [OR43 MRRP](#) – OR 43 Macadam Ave Ramp Rehab

TBSP is a complex project with severe residential access impacts during construction period. Followed by severe neighborhood “Quality of Life” changes. Read: “infil development” meaning housing density increases likely evolve rapidly after start of TBSP operation circa 2017 July.

Birdshill CPO / NA is not prepared yet for consequences of infill development. Policy makers have not officially placed our community of Birdshill CPO / NA and likely Riverdale NA in any queue to develop plans with accompanying government land use codes. This will change.

3.0 Commenting on TBSP issues

3.1 No study sessions, public hearings, or “open houses” have been scheduled or announced at this date. They may occur after 2016 Jul 05 Tuesday and before 2016 Aug 01 Monday – start of government body summer meeting hiatus period.

3.2 Transmit by email comments on 2016_TBSP_DS01 to:

Ashley.Tjaden@portlandoregon.gov

Business card info <as compiled by Birdshill CPO / NA for email above>

Ashley Tjaden

Community Outreach

Portland Bureau of Environmental Services: [PBES](#)

Portland Building 5th Av / Main St SE

1120 SW Fifth Ave STE 1000 Thms_gde PDXM / 0596 / F6

Portland OR. 97204-1912

Google Earth: 45°30'56.63"N, 122°40'44.38"W

GMap: [G PT PTDT-PTLD Bldg 1120 SW 5TH](#)

ACME: [A PT PTDT-PTLD Bldg 1120 SW 5TH](#)

Phn: Desk: 503.823.5281, Admn: 503.823.6995,
Cell: 503.Unk.Cell

Wb: [PTLD PBES Terwilliger By Sewer \(TBSP\)](#)

Em: Ashley.Tjaden@portlandoregon.gov

CR: [PBES](#), [TBSP](#), [TCTS](#), [SWBP](#), [BFCP](#)

3.3 Restrict transmission and communication of comments to:

3.3.1. John Houle

He needs to focus on project management and coordination of more than 36 plus entities.

3.4. Transmit by email copy of comments submitted to PBES

3.4.1 Please email copy of submitted comments to:

Birdshill CPO / NA: birdshillcpona@gmail.com

4.0 Next Steps wrt TBSP issues

4.1 2016_TBSP_DS02 = Document Set 02 that may include

4.1.1 PBES – CCDT Intergovernmental Agreement (IGA)

4.1.2 TBSP Plan set at 90% completion level

4.1.2.1 Set to be released circa 2016 Jun 29 Wednesday.

4.1.3 For TBSP circa 2012 plan set at 30% complete

4.1.3.1 Visit: [BHCN TBSP 2012 PBES Docs](#) Site: [BHCN PBES Project TBSP](#)

4.1.3.2 See: [2012 Jun PBES TBSP 30pc PLUB C01-C15 <ALL>](#)

4.1.3.3 See: [2012 Jun PBES TBSP 30pc PLUB C01-C05 <BH Only>](#)

Families, residents and Birdshill CPO / NA will need a bit of luck to survive the next twelve months.

Good Luck!

Thanks

Skip

Charles B. Ormsby (Skip)

Birdshill CPO / NA, Co-Chair 2016 – 2017

A Joint Clackamas County Community Planning Organization

City of Lake Oswego Oregon Neighborhood Association (NA)

Locale (Centroid = Approximate Geographic Center)

See: [G CC BHCN-Underhill Rd / Midvale Rd](#) (Street + Images)

See: [A CC BHCN-Underhill Rd / Midvale Rd](#) (Topo)

Clackamas County & Lake Oswego UGMA

170 SW Birdshill Road

Portland Oregon 97219-8502

Phn: 503.636.4483 Residence

E-mail: birdshillcpona@gmail.com

Web: <http://birdshillcpona.shutterfly.com/> (Not Open Yet)

Note Prep time of this email w/o research = 10 + hours.

5.0 Attached Documents (AT06) Six (6) total:

Note 1 Attachments only transmitted to recorders for public testimony see 1.0 above.

**Note 2 Access documents transmitted – Six (6) total
See Cross References below**

**6.0 Cross Referenced Documents (CRnn) Numerous:
See links above and items below**

6.1 - CR01

Title: CP01: Critical Point 01 wrt TBSP and BHCN plus RVNA
Date: 2016 Jun 26 Sunday 16:00 U (4:00 PM PT)
Link BHCN: [2016 Jun BHCN CP01 OR43 / Breyman](#)
Page BHCN: [BHCN TBSP 2016 BH Cmmt Maps](#) Within Site: [BHCN PBES Project TBSP](#)
File BHCN: [IGPA_BHCN_CP01_OR43_Brey_2016_06Jun_26Su_1600U.pdf](#)
Size: 697 kb, Page(s): 2

6.2 – 6.6 Linked in 6.1 CR01 Above

6.2 - CR02

Title: CP01 = 222 ft Vertical Drop
Elk Rock Escarpment: OR43 (MP_04.90) / Breyman Ave
Date: 2016 Jun 26 Sunday 16:00 U (4:00 PM PT)
Link label ...: [See](#)
Link BHCN: [1914 Dec OHS Elk Rock Escarpment](#)
Page BHCN: [BHCN TBSP 2016 BH Cmmt Maps](#) Within Site: [BHCN PBES Project TBSP](#)
File BHCN:
[PPLA_BHCN_Imag_CP01_OR43_BreyX02_2016_06Jun_26Su_1600U.pdf](#)
Size: 181 kb, Page(s): 2

6.3 - CR03

Title: SW Terwilliger Blvd and Powers Ct Sanitary Sewer Extension
Date: 2016 Jun 08 Wednesday 11:00 U (11:00 AM PT)
Link label ...: [Cross Ref 1](#)
Link BHCN: [2016 Jun PBES Traffic Plans Draft](#) (Direct Download LARGE)
Page BHCN: [BHCN TBSP 2016 PBES Docs](#) Within Site: [BHCN PBES Project TBSP](#)
File BHCN: [PLUB_PBES_E10413_TBSP_Traffic_2016_06Jun_08We_1100U.pdf](#)
File PBES: [E10413_TCP_Terwilliger Printed 060816.pdf](#)
Size: 2,605 kb, Page(s): 8
Transmit by email: 2016 Jun 15 Wed 14:43U (2:43 PM PT)
Link BHCN: [2016 Jun BHCH EmGv 2016 TBSP DS01](#)
Page BHCN: [BHCN TBSP 2016 BH Emails](#) Site: [BHCN PBES Project TBSP](#)

6.4 - CR04

Title: UTILITY PERMIT
Permit Number: UP038616
Business or Subdivision name: DRAFT Permit for Terwilliger Sewer Project
Description: STREET CUT FOR SEWER
Date: 2016 Jun 09 Thursday 05:00 U (5:00 AM PT)
Link label ...: [Cross Ref 2](#)
Link BHCN: [2016 Jun CCDT Permit TBSP Draft](#)
Page BHCN: [BHCN TBSP 2016 PBES Docs](#) Within Site: [BHCN PBES Project TBSP](#)
File BHCN: [PRMT_CCDT_TBSP_DRAFT_2016_06Jun_09Th_0500U.pdf](#)
File CCDT: [reportShow.pdf](#)
Size: 346 kb, Page(s): 5

Transmit by email: 2016 Jun 15 Wed 14:43U (2:43 PM PT)
Link BHCN: [2016 Jun BHCH EmGv 2016 TBSP DS01](#)
Page BHCN: [BHCN TBSP 2016 BH Emails](#) Site: [BHCN PBES Project TBSP](#)

6.5 - CR05

Title: Sewer project will close part of Terwilliger this fall for up to a year
Dunthorpe residents fear that harried commuters will drive
through residential neighborhoods instead.
Date: 2016 Mar 31 Thursday 01:00 U (1:00 AM PT) (LORV - Published)
Date: 2016 Jun 13 Monday 12:00 U (12:00 PM PT) (BHCN - Annotated)
Link label ...: **Cross Ref 3**
Link BHCN: [2016 Mar LORV TBSP Terwilliger Close BH](#)
Page BHCN: [BH Kn USwr Articles Within Site: BH Know Util Sewer](#)
File BHCN: [BHProj_ATCL_LORV_TBSP_2016_03Mar_31Mo_0100U.pdf](#)
Size: 939 kb, Page(s): 10
Transmit by email: 2016 Jun 15 Wed 14:43U (2:43 PM PT)
Link BHCN: [2016 Jun BHCH EmGv 2016 TBSP DS01](#)
Page BHCN: [BHCN TBSP 2016 BH Emails](#) Site: [BHCN PBES Project TBSP](#)

6.6 - CR06

Title: Historical Birdshill (HSBH) 1911 Base Map
with respect to 2016 TBSP
Date: 2016 Feb 27 Saturday 09:00 U (9:00 AM PT) (BHCN - Modified)
Link label ...: **Cross Ref 4**
Link BHCN: [2016 Feb HSBH Dunthorpe 1911 Cmnt](#)
Page BHCN: [BHCN TBSP 2016 BHCN Docs](#), Site: [BHCN PBES Project TBSP](#)
File BHCN: [MPUACLGIS_Hist_Dunthorpe_1911_01Jan_02Mo_1700U.pdf](#)
Size: 226 kb, Page(s): 1

Infographic: CP01: Critical Point 01 wrt TBSP and BHCN plus RVNA

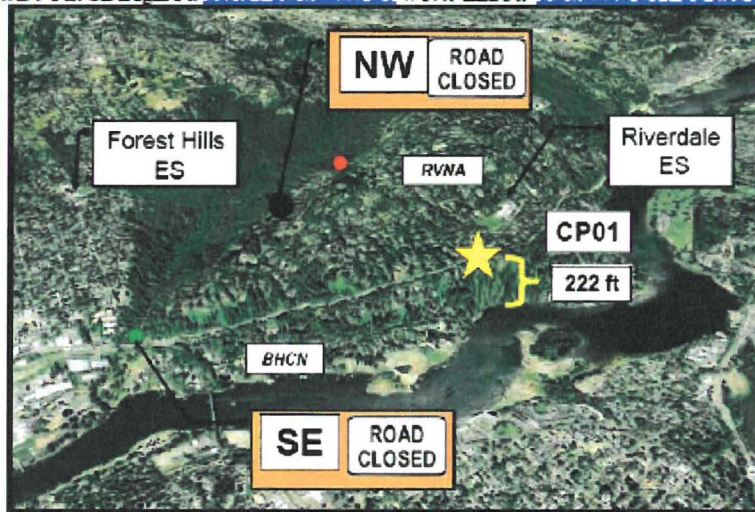
<TWBV = Terwilliger Bv // TBSP = Terwilliger Blvd Sewer Project // BHCN = Birdhill CPO / NA // RVNA = Riverdale NA // Dunthorpe = BHCN + RVNA>

Item: 2.4 // Inert Link Label: 2016 Jun BHCN CP01 OR43 / Breyman

Posted to: [BHCN TBSP 2016 BH Cmmt Maps](#)

R-01:C-A

Road Close: Terwilliger Blvd (TWBV) ([TWBV wkod](#)) 2016 Oct - 2017 May (min)
TWBV Pts: SE Begin Pt: [OR43 / Terwilliger Bv](#) // NW End Pt: [Terwilliger Bv / CC-MC Line](#)



See: [2016 Jun BHCN TBSP School Accs](#) <[BHCN TBSP 2016 BH Cmmt Maps](#)>
TBSP = Terwilliger Blvd Sewer Project of Portland Bureau Envr Svcs ([PBES](#))
Visit: [PBES Project TBSP](#) <PT (Official)>, [BHCN PBES Project TBSP](#) <BH (Nbhd)>

R-01:C-B

Image 1: Schools (ES, MS, HS) Access by BHCN and RVNA

BHCN = Birdhill CPO / NA (Clack Co / Lake Oswego)
Elementary School (ES) = [Forest Hills ES \(FHES\)](#)
School District = LO School District 7 JT ([LOSD](#))
RVNA = Riverdale NA (Mult Co / Portland)
Elementary School (ES) = [Riverdale ES \(RVES\)](#)
School District = Riverdale School District 51 JT ([RVSD](#))

Birdhill CPO / NA Image notes, View: NNW, Elev: 10,000 ft
Source: 2010 [LOPT](#) DEIS Fig S-1 [GE: Lat, Lng Unknown]

CP01 = 222 ft Vertical Drop

See: [1914 Dec OHS Elk Rock Escarpment](#)
OR43 / Breyman Ave Elevation 257 ft
Willamette River Elevation: 35 ft

- [Cross Ref 1: 2016 Jun PBES Traffic Plans Draft Review Page\(s\) 1of 8 and 2 of 8 wrt CP01](#)
- [Cross Ref 2: 2016 Jun CCDT Permit TBSP Draft](#)
- [Cross Ref 3: 2016 Mar LORV TBSP Terwilliger Close BH](#)
- [Cross Ref 4: 2016 Feb HSBH Dunthorpe 1911 Cmmt](#)

R-02:C-A



R-02:C-B

Image 2: CP01: Critical Point 01 - With No Wreck

Locale: OR43 / Breyman Avenue at ODOT mile 4.90
Juris: <[ODOT Region 1 \(ODR1\)](#)+ Multnomah Co>
View: Looking SW
See: [G MC RVNA-OR43\(MP 04.90\)/Breyman Av](#)
See: [A MC RVNA-OR43\(MP 04.90\)/Breyman Av \(Topo\)](#)
See page 2 for area map

Birdhill CPO / NA Photo notes,
[LORV](#) - Lake Oswego Review
Photo: Vern Uyetake
Date : 2016 Mar 25 Friday circa 13:00 U (1:00 PM PT)
Article: [2016 Mar LORV TBSP Terwilliger Close BH](#)
Pub Date: 2016 Mar 31 Thursday 01:00 U (1:00 AM PT)
Article Image 01 / 05, Modified by Charles Ormsby (Skip)

R-03:C-A



R-03:C-B

Image 3: CP01: Critical Point 01 - With Wreck

Locale: OR43 / Breyman Avenue at ODOT mile 4.90
Juris: <[ODOT Region 1 \(ODR1\)](#)+ Multnomah Co>
View: Looking SW
See: [G MC RVNA-OR43\(MP 04.90\)/Breyman Av](#)
See: [A MC RVNA-OR43\(MP 04.90\)/Breyman Av \(Topo\)](#)
See page 2 for area map

Birdhill CPO / NA Photo notes,
[LOFD](#) - Lake Oswego Fire Department
Photo: [LOFD Tweet RV 2016 Mar 03 Thu 08:22 U](#)
Date : 2016 Mar 03 Thursday circa 08:00 U (8:00 AM PT)
Modified by Charles Ormsby (Skip)

Infographic: CP01: Critical Point 01 wrt TBSP and BHCN plus RVNA

<TWBV = Terwilliger Bv // TBSP = Terwilliger Blvd Sewer Project // BHCN = Birdshill CPO / NA // RVNA = Riverdale NA // Dunthorpe = BHCN + RVNA>

Item: 2.4 // Inert Link Label: 2016 Jun BHCN CP01 OR43 / Breyman

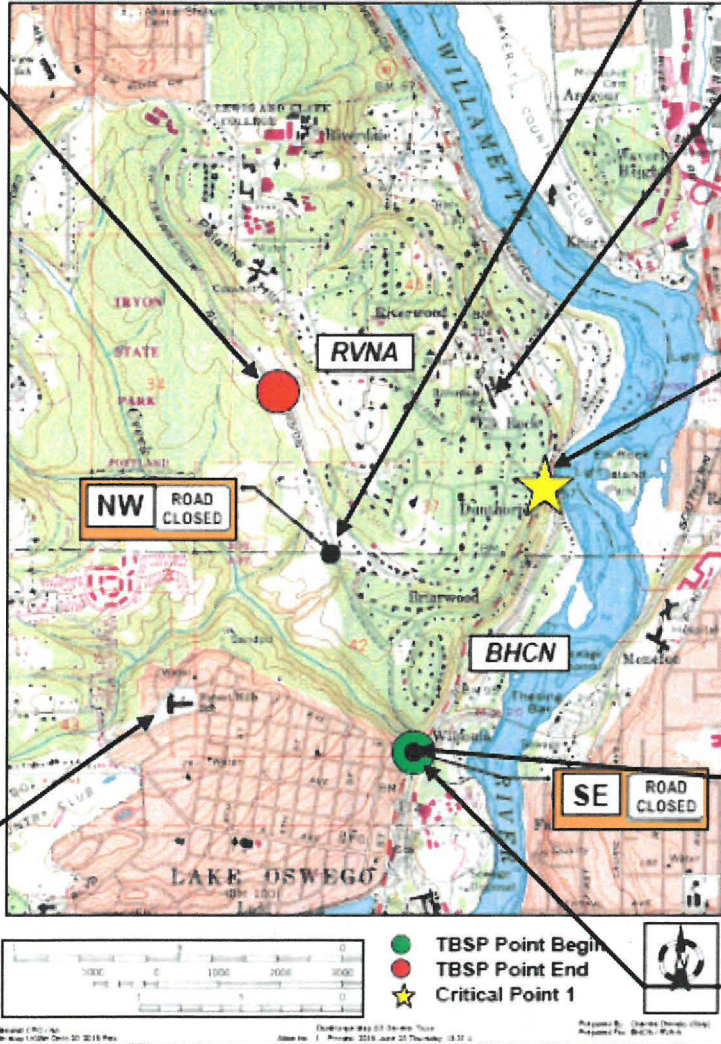
Posted to: [BHCN TBSP 2016 BH Cmmt Maps](#)

R-01: C-A

TBSP Project End

Terwilliger Blvd / Powers Court <PBOT + Multnomah Co>
 See: [G MC RVNA-Terwilliger Bv / Powers Ct](#) (Street + Images)
 See: [A MC RVNA-Terwilliger Bv / Powers Ct](#) (Topo)
 Notes on Intersection
 Visit: [PBES Project TBSP](#) (Official City of Portland page)
 Visit: [BHCN PBES Project TBSP](#) (Birdshill CPO / NA website)

Points: CP01 (Critical Point 01) OR43 / Breyman Ave
 Along With Begin, End, and Road Close NW and SE
 for Terwilliger Blvd Sewer Project (TBSP) wrt
 BHCN (Birdshill CPO / NA) + RVNA (Riverdale NA)
 Date: 2016 Jun 23 Thursday 13:00 U [Base: USGS LO Quad 1826 X01 Chk: 01 / Topo Map]



See: [2016 Jun BHCN MPAU TBSP CP01](#) <[BHCN TBSP 2016 BH Cmmt Maps](#)>

Forest Hills ES

ES = Elementary School For Birdshill CPO / NA
 Web: [Forrest Hills ES \(LOSD 7 JT\)](#)
 Web: [LOSD Transportation](#)
 GE : 45°25'32.51"N, 122°40'34.92"W
 See: [G LO FANA-FHES AndrewsRd](#) (Street Map)
 See: [A LO FANA-FHES AndrewsRd](#) (Topo Map)

R-01: C-B

Cross Ref 1: [2016 Jun PBES Traffic Plans Draft](#)
 Cross Ref 2: [2016 Jun CCDT Permit TBSP Draft](#)
 Cross Ref 3: [2016 Mar LORV TBSP Terwilliger Close BH](#)
 Cross Ref 4: [2016 Feb HSBH Dunthorpe 1911 Cmmt](#)

NW Road Close – Terwilliger Bv

See: 45°25'57.8"N 122°39'58.6"W, Elev: ??? ft ASL
 See: [G CC BHCN-Terwilliger Bv / CC-MC Line](#)
 (Street + Images)
 See: [A CC BHCN-Terwilliger Bv / CC-MC Line](#) (Topo)
 Notes on Intersection
 See Terwilliger Blvd ([TWBV wkpd](#))
 See: End Terwilliger Blvd CCDT ID: 21092 <Maint Pt>
[2001 CCDT Map Road Map of NE Lake Oswego](#)

Riverdale ES

ES = Elementary School For Riverdale NA
 Web: [Riverdale ES \(RVSD 51 JT\)](#)
 Web: [RVSD Transportation](#)
 GE : 45°26'24.2"N 122°39'20.7"W
 See: [G MC RVNA-RVES 11733 SW Breyman](#) (St Map)
 See: [A MC RVNA-RVES 11733 SW Breyman](#) (Topo)

CP01: Critical Point 01 – 222 ft Vertical Drop

OR43 / Breyman Avenue at ODOT mile 4.90
 <ODOT + PBOT + Multnomah Co>
 See: [G MC RVNA-OR43\(MP 04.90\)/Breyman Av](#)
 (Street + Images)
 See: [A MC RVNA-OR43\(MP 04.90\)/Breyman Av](#)
 (Topo)
 Notes on Intersection
 BHCN asking ODOT for reduced speed and
 northbound left turn signal
 TEMPORARY For TBSP Construction
 Justified by:
 See: [LOFD Tweet RV 2016 Mar 03Thn 08:22 U](#)

SE Road Close – Terwilliger Bv

OR43 / Terwilliger Blvd ODOT mile 5.74 <Lake Oswego>
 See: [G LO BHCN-OR43\(MP 05.74\)/Terwilliger Bv](#)
 (Street + Images)
 See: [A LO BHCN-OR43\(MP 05.74\)/Terwilliger Bv](#)
 (Topo)

TBSP Project Begin

OR43 / Terwilliger Blvd ODOT mile 5.74 <Lake Oswego>
 See: [G LO BHCN-OR43\(MP 05.74\)/Terwilliger Bv](#)
 (Street + Images)
 See: [A LO BHCN-OR43\(MP 05.74\)/Terwilliger Bv](#)
 (Topo)
 Notes on Intersection
 See Terwilliger Blvd ([TWBV wkpd](#))
 See: Begin Terwilliger Blvd CCDT ID: 21092
[2001 CCDT Map Road Map of NE Lake Oswego](#)
 Visit: [2014 Oct 2014.17 OR43 / Terwilliger Bv](#)
 Visit: [2014 Oct 2014.17 Ilmn Rail Policy](#)
 (warning lots of links)
 Visit: [2015 Jan 2014.20 ODOT RPTD Policies](#)
 (critical doc links)

Riverdale NA

1.5
68

DLC_01

Dunthorpe
9AD
1-47

Multnomah County

Clackamas County

Approximate location of Multnomah County Clackamas County border line.

Map of Dunthorpe residential plots in Multnomah and Clackamas Counties Circa 1911
Note Glen Road is part of the system of roads servicing Dunthorpe in area of 2016 Birdshill CPO /NA
Terwilliger Blvd Extension would not be constructed for another 47 years, circa 1958.

Birdshill CPO / NA

MAP OF
DUNTHORPE
BLOCKS 1 TO 48 INC. 82 TO 91 INC.
106 TO 109 INC. 120 AND 128 TO 132 INC.
SITUATED IN THE
SOCRATES H. TRYON DONATION LAND CLAIM
S 2 AND 3, T2S R1E, WM.
CLACKAMAS COUNTY, OREGON
Scale: 1" = 125 feet
Marshall & Beachler, Engrs.

DLC_42

Acute Hairpin Turn
OR43 (MP_05.20)
/ Midvale Rd
Southbound to
Lake Oswego
Negates access to
Lake Oswego
from Birdshill, Midvale
Glen and Underhill
Roads

DLC = Donation Land Claim
CPO = Community Planning Organization
<Clackamas County>
NA = Neighborhood Association
<Lake Oswego, Portland and Multnomah County>
MP = MP_nn.nn ODOT mile point

DLC_43

Donation Land Claims (DLC)
North to South <Assr Map: Township_Range_Sec or DLC>
<Used only as ID for survey lines>
DLC 45 William S. Torrance (Mult Co) <01S_01E_35>
DLC 37 Socrates H. Tryon (Mult Co) <01S_01E_35>
DLC 42 Socrates H. Tryon (Clack Co) <02S_01E_DLC>
DLC 43 Josiah Franklin (Clack Co) <02S_01E_DLC>

Future wrt 1911
Intersection of
OR43 (MP_05.74)
/ Terwilliger Blvd

CP01 = 222 ft Vertical Drop

Elk Rock Escarpment: OR43 (MP_04.90) / Breyman Ave

View to SW from Elk Rock Island on Willamette River at (River Mile) WRLM_019.0 pre 1921



Elk Rock Escarpment (ERC)

View to SW from Elk Rock Island pre 1921

Source: Power Point Presentation

Title: Lessons Learned, Lake Oswego to Portland Transit Project

<< Elk Rock Escarpment, Historical View circa pre 1921

(Note date of Elk Rock Escarpment Tunnel
construction 1914 – 1921 Suspend(?) WWI)

from Willamette River (WL) on Elk Rock Island

on east bank of Willamette River Mile (WLRM) WLRM_019.0. Elev 35 ft >>

File URS: JCullerton.pdf <<URS = Transportation Engineering Firm, associated with LOPT circa 2010 - 2012>>

Date: 2012 Dec 03 Monday 07:59 U (File Metadata)

Image Source: Lessons Learned, a power presentation to 2012 APTA / TRB Light Rail Conference [Slide 08 of 41]

Directory: C:\...BH_CPONA\070_MTRO\MTRO_LOPT\2000_Post_2012

Do Not Use = Thumbnail ONLY

PPM: Format Picture

Tab: Size

Sec: Size and Rotate:

Height: 5.00 in Width: 6.67 in

Sec: Scale:

Height: 30% Width: 30%

Chk Box: Lock Aspect Ratio

Chk Box: Relative to original picture

Sec: Original Size <Cut at 200%>

Height: 16.78 in Width: 22.33 in





DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DEVELOPMENT SERVICES BUILDING

150 BEAVERCREEK ROAD OREGON CITY, OR 97045

UTILITY PERMIT

Permit Number: UP038616 **WARRANTY EXPIRATION:** 7/13/2019
Business or Subdivision name: DRAFT PERMIT FOR TERWILLIGER SEWER PROJECT. **Warranty Period:** 2
Description: STREET CUT FOR SEWER **Permit Issued:**
Permit Status: Waiting Information **Permit Expires:** 07/13/2017
Applicant Project #: E10413

Site Address: TERWILLIGWER BLVD LAKE OSWEGO, OR
Location:
Parcel:

Applicant: CITY OF PORTLAND/JOHN HOULE
1120 SW 5TH AVE
PORTLAND, OR 97204
503-823-7216
JOHN.HOULE@PORTLANDOREGON.GOV

Contractor:

24-Hour Emergency Phone:

Primary Inspector: Duffy Gehrts 503 742 4676
If the primary inspector is not available please call (503) 742-4700

TYPE OF WORK

Size of permitted excavation: *Minimum depth is 30" (County Code chapter 7.03.170 Paragraph)*

Work Description: Street Cut
Width: 4 Ft **Depth:** 20 Ft **Length:** 3650 Ft

Proposed Start: 10/03/2016
Proposed Complete: 05/29/2017

Call or fax in actual start & completion date to:
Phone: (503) 742-4700 **Fax:** (503) 742-4659

Conditions of this permit:

ENG101 - INSPECTIONS REQUIRED - 1. Inspections are required and daily report from City Inspector need to be sent to Clackamas County at the end of each week. DUFFY GEHRTS will be the Clackamas County Inspector for this project. Please contact him at 503-804-8271 or 503-742-4676.

2. All property owners shall be notified one week before start of project and 24 hours before work is to take place at their resident.

ENG104 - OTHER AGENCIES - SEPARATE PERMITS REQUIRED - This permit is only for street construction within Clackamas County right-of-way. Additional permits must be obtained from the State/City prior to work commencement within State/City rights-of-way

ENG142 - GRANULAR BACKFILL - Granular - County Code Chapter 7.03.190.

1. Granular backfill (1 1/2"-0", 1"-0" or 3/4"-0"), approved by Clackamas County, must be a minimum of 95% compaction using test AASHTO T-99. Compaction test results are to be returned to Clackamas County Engineering Division at the end of each week with the daily inspection reports. Submit quality assurance reports on rock supplier before start of project.

2. Shoulders must be replaced to "as good" or "better" condition with County approved materials.

3. Bike paths and pedestrian walkways are to be repaired to the same standards as the roadway.

4. Return right-of-way to "as good" or "better" condition.

5. Submit haul road plan at Pre-con. All material Must be hauled on this route. Damaged sustained from heavy truck traffic along this haul route must be repaired to as good or better than before the project started.

6. If any local roads are damaged from detour traffic use, they must be repair to as good or better condition.

7. Install check dams on main line and laterals. Use CDF for the construction of check dams.

8. If any drainage pipe, utility or any other structure is damaged while excavating, notify all affected utility owner, including the engineer and all Inspectors, the same day.

9. All sewer lines must be a minimum of six (6') feet deep in the Clackamas County road right of way. use CDF for back fill over thirty six (36") storm main to protect for possible leak.

ENG145 - TRENCH PAVING - A.C REPLACEMENT - Asphalt Replacement -

1. Surface repairs to asphalt pavements shall conform to the current ODOT/APWA (Asphalt Concrete Pavement) Specifications.

2. Saw cut the pavement to a full depth at trench limits. Pave back with a six (6) inch minimum asphalt replacement for trench repair. (See Standard Drawing U250/U260)

3. The outside saw cut must be at least three (3) feet from the edge of pavement. If less than three (3) feet, the existing outside asphalt to the edge of pavement must be removed and replaced as part of the trench pavement.

4. Minimum asphaltic concrete replacement is three (3) foot width at edge of pavement. The repair shall maintain existing road width and alignment.

5. Subsequent to asphalt removal, trench repair paving must be applied in two (2) separate lifts of three (3) inch compacted thickness for a minimum six (6) inch thickness.

6. All undermined pavements caused by trench excavation and cave in shall be removed immediately during the construction.

7. For temperatures under 50 degrees the asphaltic concrete shall be placed in three (3) inch lifts.

8. All asphalt joints must be sealed with hot liquid asphalt, and choked with sand.

9. Any disruption in road striping must be replaced to Clackamas County Traffic Standards. Temporary reflective striping tape or reflective markers (such as stick and stomps) must be used until permanent strip can be applied.

10. Shoulders must be replaced to "as good" or "better" condition with County approved materials.

11. Bike paths and pedestrian walkways are to be repaired to the same standards as the roadway.

12. Return right-of-way to "as good" or "better" condition.

13. A two (2) year warranty will be in effect for this project.

ENG147 - TRENCH PAVING - COLD PLANE - 1.Cold Plane - County Code Chapter 7.03.190 Paragraph B, Number 6
This project will require a twenty four feet (24'), two (2") inch asphaltic concrete overlay. Please call Clackamas County inspector to determine the exact width of overlay.

2. Terwilliger Blvd. Butt grind seam at start of paving at Hwy 43. Shoulder rock will be required on the full length on overlay.

3. Glen Rd will require an leveler of 0"+ on the road between Underhill Rd and Iron Mountain Rd. Followed by 2" wearing course. Width may vary. Install 18" wings on all entrances on Glen Rd or tie into exiting paved entrances. This needs to be completed before start of project for safe passage of local residents..

4. Submit quality assurance report from plant for asphalt before starting of project.

ENG153 - UTILITY - TRENCH PLATING - Trench Plating - County Code Chapter 7.03.180 and Chapter 7.03.190

1. Trench plating and patching is required in any trench within the travel lane, and includes the bike lane and shoulder of the roadway.
2. All trench work shall be backfilled and temporarily patched with two (2) inches asphaltic concrete cold mix, one (1") inch of hot mix asphaltic mix or plated and tapered with cold mix at the end of each workday.
3. Plating shall be positively secured from movement and shall be ramped with cold mix asphalt or approved temporary reusable ramps to provide for all traffic use.
4. Lighted barricades with 'CONSTRUCTION AHEAD' and 'BUMP' signs mounted on them shall be placed sufficiently both ahead and adjacent of the plating to warn all traffic. All plating signs are to remain in place until permanent surface repair paving operations are underway.

ENG154 - TRAFFIC CONTROL - Traffic Control - County Code Chapter 7.03.140

1. Provide a traffic control detour plan for the temporary protection and direction of traffic during the construction. Traffic Control detour plan must comply with the "Manual on Uniform Traffic Control Devices" (MUTCD).
2. Check all signs frequently for proper positioning & condition.
3. Submit road closure application one (1) month before project to start.
4. Install temp traffic speed bump, Extra signage, Law enforcement coverage, if detour traffic uses local roads.
5. Enforce detour routes. Hire extra law enforcement for traffic using local streets as needed.
6. Traffic Control Supervisor to be identified at Pre-con. Copies of their certification need to be submitted to Clackamas County at Pre-con. All flaggers need to have their certifications.
7. Please provide a plan for the installation of temporary speed bumps along the Clackamas County sections of Iron Mountain Boulevard and Edgecliff Road. If the City has questions/concerns, please discuss with Rick Nys at 503-742-4702.

GENERAL

- The applicant is hereby authorized to work in the right of way and roadway at the location designated provided all work is performed in accordance with the Clackamas County Code, Roadway Standards, this permit, and conditions of land use approval.
- Each applicant should obtain a copy of the Clackamas County Code and Roadway Standards.
- Any fixed objects installed within County right of way must comply with Clackamas County Code and Roadway Standards.

DOCUMENTATION

Maintain a complete set of the permit, approved plans and any conditions or special provisions at the job site.

MODIFICATION OF THE PERMIT

Engineer of record should request approval for changes to the permit, plans, conditions or provisions if the scope of work changes.

NOTIFICATION

Contact the County at 503-742-4700 with at least one (1) business day's notice for the following:

- Start of construction
- A break in construction greater than three (3) days (excluding holidays and weekends)
- Completion of construction

Be prepared to have your permit number available for entry into this automated system.

UTILITY NOTIFICATION

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952. (Oregon Utility Notification Center 800-332-2344 or 811 or www.digsafelyoregon.com)

Contact the affected utility companies and request line location services. Resolve any utility conflicts before initiation of construction.

SAFETY REQUIREMENTS

- The person performing the work is responsible for providing adequate safeguards in the form of barricades, pedestrian walks, night lighting, and/or other measures as the Inspector directs. The roadway or walk area shall not be unnecessarily obstructed. All material and debris shall be removed from the public right of way within a reasonable amount of time.
- Keep mud and debris off the traveled portion of the roadway.
- The person performing the work is responsible for personal or property damage resulting from the work and shall hold the County harmless from any and all legal action arising out of said work.

- The County Inspector may order the change or removal of any construction authorized by this permit at any time when the public safety, public convenience, and the general welfare of the public requires such action.

CONSTRUCTION AND MAINTENANCE RESPONSIBILITY

Failure to fulfill the construction requirements, maintain the structures as permitted to the extent that it results in damage to the county or public road, causes a hazard to the public, or where they find violations of the Clackamas County Code, Clackamas County Roadway Standards, 2008 Oregon Standard Specifications, and any special conditions or provisions established for this permit is reason for the Inspector to revoke the permit.

CONSTRUCTION

- Limit work and activity zones (construction, restoration, erosion control, etc.) to no more than 2,500 lineal feet at any one time, unless previously approved by the County.
- Limit open trenches in the right of way of an existing road to no more than 250 lineal feet at any one time, unless previously approved by the County. No trenches are to be left open overnight.

ACCESS CONTROL/MANAGEMENT OF THE RIGHT OF WAY

- Clackamas County retains its right to full supervision and control within the road right of way, and this permit is not exclusive.
- Other utilities or persons may be permitted to occupy the same portion of the road right of way simultaneously.
- The person performing or contracting the work shall not cause interference with any County road work.
- Preserve and protect all public and private infrastructure (i.e. survey monuments, drainage systems, traffic control devices, roadside barriers, utilities, etc.) ensuring that these facilities continue to properly function during the course of the work.

TRAFFIC CONTROL

- Establish and maintain work zone traffic control in compliance with the Oregon Temporary Traffic Control Handbook (OTTCH) For Operations of Three Days or Less (December 2011).
- For traffic control set up for a continuous duration of longer than three (3) days, comply with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) and the Oregon Supplements to the MUTCD.
- Roadway closures are prohibited unless approved by Clackamas County under separate permit and in compliance with the Roadway Standards.

SURVEY MONUMENTS

ORS 209.140 and 209.150 as well as the County Code 7.03.210 require the protection of all existing survey monuments. These Statutes also require notice to the County Surveyor prior to disturbing or removing any survey monument. This may require the employment of a registered Professional Land Surveyor. The applicant shall employ all necessary means in order to preserve these monuments. Failure to comply with these terms may be prosecuted as stated in ORS 209.990. The Clackamas County Surveyor's Office can be reached at 503-742-4475.

INTERIM RIGHT OF WAY RESTORATION

Restore and maintain road surfaces to their pre-existing grade with like materials or steel plating at the end of each work day unless otherwise approved. For bituminous road surfaces (asphaltic concrete or chip seals), interim restoration shall be with either hot mix or cold mix asphaltic concrete.

PERMANENT RIGHT OF WAY RESTORATION

Restore all existing infrastructure affected by the work to original or better condition including but not limited to the road surface, base and subgrade, pavement markings, drainage facilities, signs, safety appurtenances, bicycle and pedestrian facilities, vegetation or landscaping, and any other feature affected by the work.

ENVIRONMENTAL

Approval by Clackamas County does not imply or guarantee approval by Oregon Department of State Lands (DSL), Department of Environmental Quality (DEQ) or US Army Corps of Engineers (COE).

The applicant is responsible for all applications, fees, and coordination of Federal, State and Local regulatory offices with regard to fills and excavations within regulated waterways, riparian zones, and wetlands associated with the Clean Water Act and the Urban Stormwater National Pollutant Discharge Elimination System (NPDES), if required.

EROSION CONTROL

Install and maintain appropriate erosion and sediment control devices, in accordance with approved Erosion and Sediment Control

Plan (ESCP) to ensure that all catch basins, drainage inlets, manholes, wetlands, waterways, and resource waters are sufficiently protected from erosion and sediment. Erosion and sediment control devices must be modified as changing conditions warrant. In the absence of a formal ESCP, comply with Water Environment Services standards (Erosion Prevention Planning and Design Manual), DEQ standards (DEQ Erosion and Sediment Control Manual, April 2005), and/or 1200c Permit, if applicable.

DRAINAGE

If the work performed under this permit involves or in any way interferes with the drainage of the roadway, the owner shall wholly and at their own expense make such corrections as necessary to the County's satisfaction.

BEST MANAGEMENT PRACTICES

Ensure all equipment is leak free with sufficient and appropriate spill prevention and clean up materials on site and that the personnel involved with the work are familiar with and proficient in their use. Remove construction equipment from the right of way when not in use. Do not park, re-fuel, or service equipment or store hazardous materials directly over or uphill from catch basins, drainage inlets, or manholes or within 150 feet of any wetland, waterway, or resource water. Re-fuel over a pervious surface and use absorbent pads to collect spilled fuel.

CUSTOMER SERVICE

Communicate and mutually coordinate, as needed, with adjacent residents and business that may be impacted by the work. Interaction with the public shall be in a professional, courteous, and timely manner.

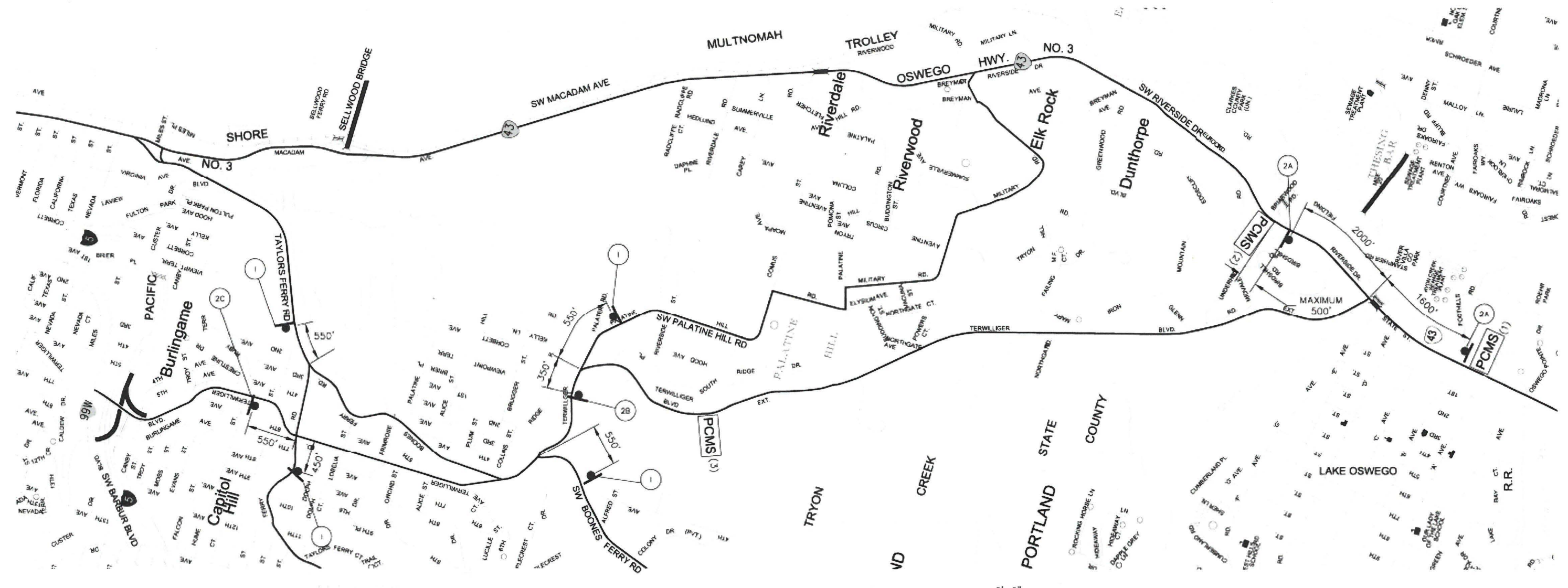
This permit does not permit trespass on the lands of others.

**TERWILGR
CLOSED
AHEAD** **MMM-DD
TO
MMM-DD**

LOCATE PCMS AND DISPLAY THIS MESSAGE FOR TWO WEEKS PRIOR TO AND TWO WEEKS AFTER IMPLEMENTATION OF THE TERWILLIGER ROAD CLOSURE PLAN (SEE SHEETS CT05, CT06, AND CT07).

ADVANCE CONSTRUCTION SIGNING PLAN

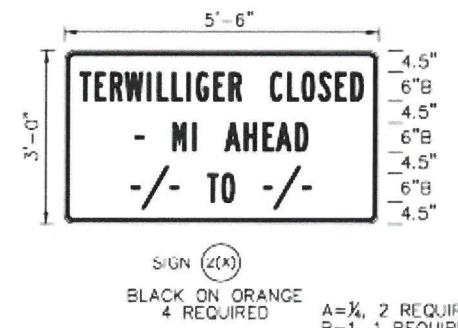
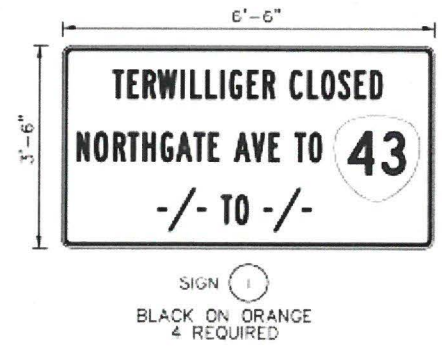
PORTABLE CHANGEABLE MESSAGE SIGN
3 REQUIRED



1. LOCATE PCMS NO. 1 IN CENTER MEDIAN JUST NORTH OF "A" AVENUE ON OR43 FACING NORTHBOUND TRAFFIC, WHERE DIRECTED.
2. LOCATE PCMS NO. 2 JUST NORTH OF SW BRIARWOOD RD ON OR43 FACING SOUTHBOUND TRAFFIC.
3. LOCATE PCMS NO. 3 JUST SOUTH OF THE NORTH END OF SW SOUTHRIDGE DR. ON SW TERWILLIGER BLVD. FACING SOUTHBOUND TRAFFIC.
4. ADVANCE TRAFFIC CONTROL SIGNAGE WILL BE REQUIRED TO HAVE ORANGE REFLECTIVE FLAGS, WHERE SHOWN AND AS DIRECTED.
5. INSTALL TEMPORARY SIGN SUPPORTS PER ODOT TM821.

1. THESE GENERAL NOTES ARE APPLICABLE TO SHEETS CT01 THROUGH CT08.
2. ADJUSTMENTS TO TEMPORARY TRAFFIC CONTROL DEVICES MAY BE REQUIRED TO ACCOMMODATE EXISTING FIELD CONDITIONS. LOCATIONS OF ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE APPROVED IN THE FIELD BY THE ENGINEER.
3. ALL SIGN CODES ARE PER CITY OF PORTLAND TRAFFIC CODE BOOK UNLESS OTHERWISE NOTED.
4. SEE SPECIAL PROVISIONS SECTION 220.50 FOR OTHER TRAFFIC CONTROL REQUIREMENTS.

- TEMPORARY SIGN ON TEMPORARY SIGN SUPPORT
- PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN DETAIL (THIS SHEET)
- ORANGE REFLECTIVE FLAGS



A=1/4, 2 REQUIRED
B=1, 1 REQUIRED
C=2, 1 REQUIRED

FILE: X:\PROJECTS\2016\1616062-001 (PORTLAND TERWILLIGER-POWERS SIDER EXTENSION)\ACAD\CT01.DWG 4/24/13 - REH

NO.	DATE	DESCRIPTION	APPD.

Base-Lines	DESIGNED BY	DATE APPD.
XREF(S) USED: #10413_XDSN, E10413_XSUR, e10413_TOPO	DRAWN BY	
ROTATION ANGLE		
CONSTRUCTED BY	CHECKED BY	
PROJECT COMPLETED		
MAP CORRECTED BY		
CHECKED BY		
FINAL MAP DATA		
DRAWING NAME: E10413_CT01.DWG	DESIGN MGR.	

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

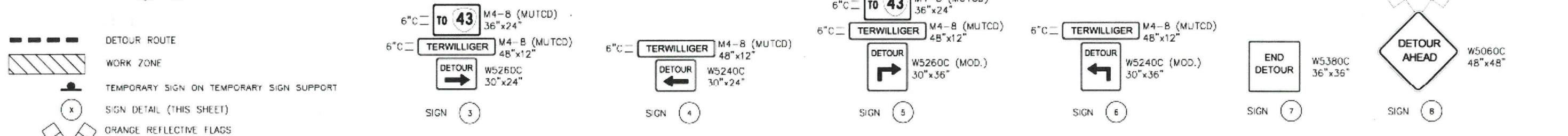
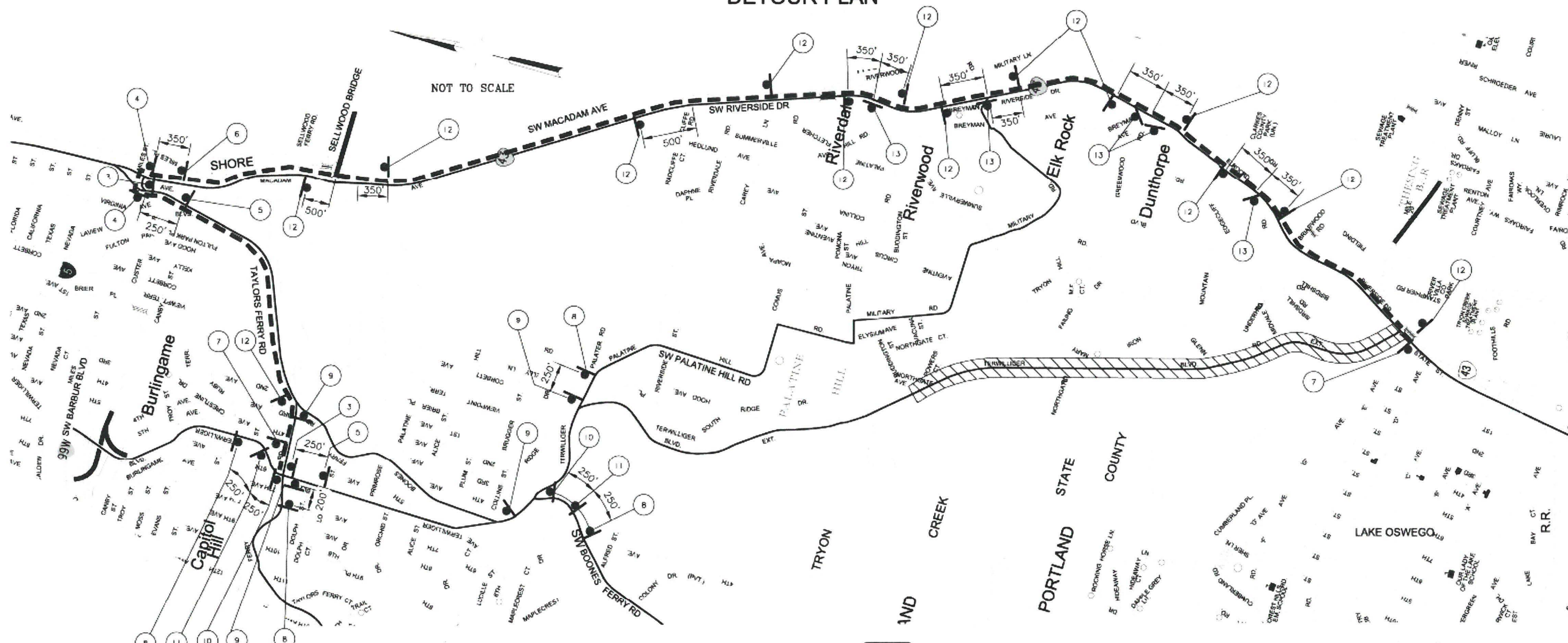
REGISTERED PROFESSIONAL
PETER L. COFFEY
OCT 2, 1990
EXPIRES DEC 31, 2017

SW TERWILLIGER BLVD & POWERS CT
SANITARY SEWER EXTENSION

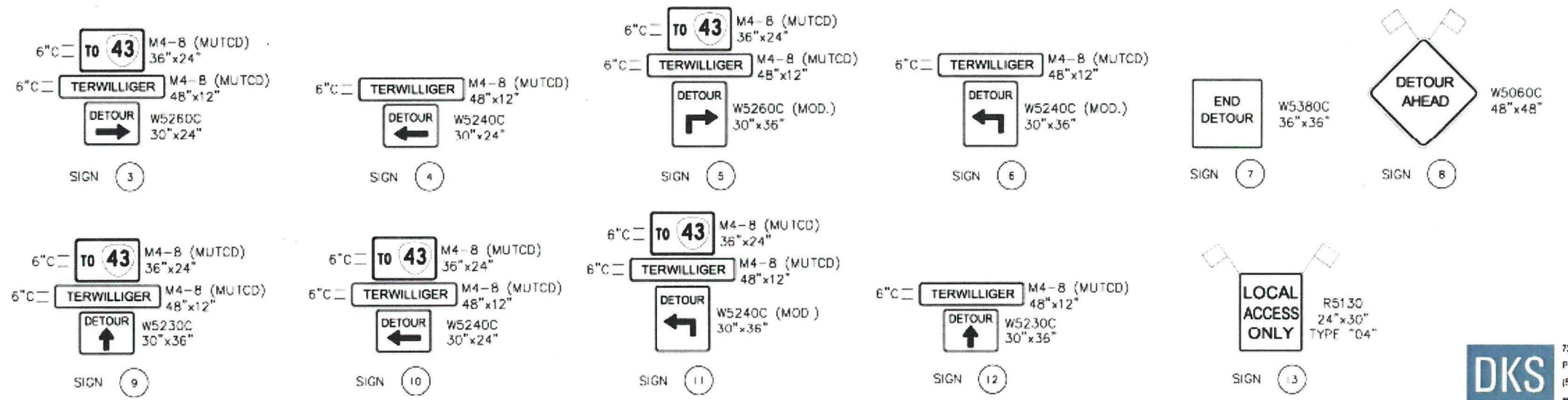
1/4 SECTION
JOB NO.
SHEET NO.
OF

DKS 720 SW Washington Street, Suite 500
Portland, Oregon 97205
(503) 243-3500
www.dksassociates.com

DETOUR PLAN



- SEE SHEETS CT03 THRU CT08 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL SIGNING.
- ADVANCE TRAFFIC CONTROL SIGNAGE SHALL HAVE ORANGE REFLECTIVE FLAGS WHERE SHOWN.
- COVER DETOUR SIGNS UNTIL IMPLEMENTATION OF TERWILLIGER ROAD CLOSURE PLAN (SEE SHEETS CT03-CT06).
- INSTALL TEMPORARY SIGN SUPPORT PER ODOT 1M821.



FILE: X:\PROJECTS\2011\PORTLAND\TERWILLIGER-POWERS_SIGNER_EXTENSION\ACAD\CT02.DWG 4/24/13 - REV

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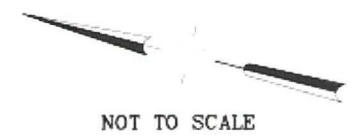
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DRAWN BY	PROGRAM MGR.
CHECKED BY	CONST. MGR.
DESIGN MGR.	

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

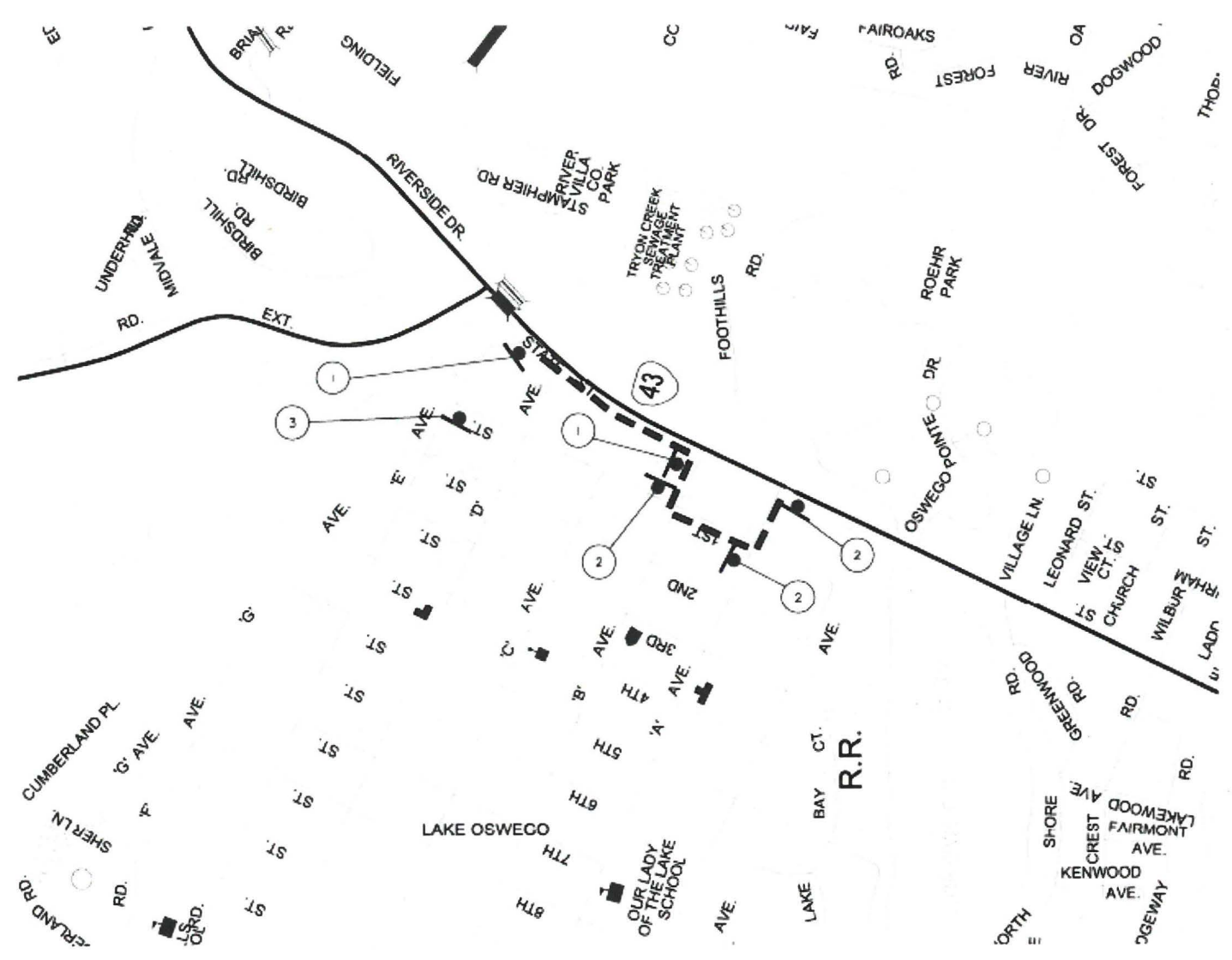
REGISTERED PROFESSIONAL
PETER L. COFFEY
OCT. 2, 1990
EXPIRES DEC. 31, 2017

720 SW Washington Street, Suite 500 Portland, Oregon 97205 (503) 243-3500 www.dksusa.com	1/4 SECTION
	JOB NO.
	SHEET NO.
	OF

DETOUR PLAN

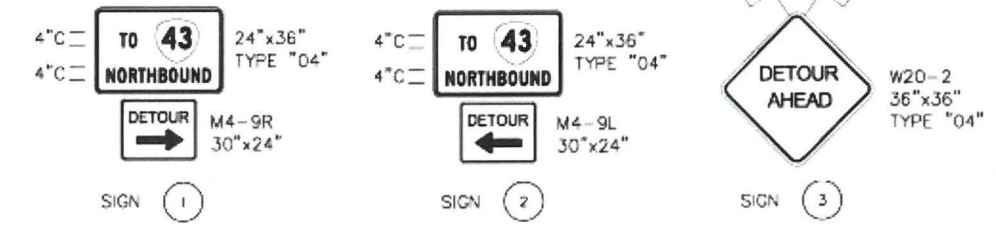


NOT TO SCALE



- SEE SHEETS CT04 THRU CT08 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL SIGNING.
- ADVANCE TRAFFIC CONTROL SIGNAGE SHALL HAVE ORANGE REFLECTIVE FLAGS WHERE SHOWN.
- THIS SHEET TO ACCOMPANY SHEET CT04 WHEN IMPLEMENTED.
- INSTALL TEMPORARY SIGN SUPPORT PER ODOT TM821.

- DETOUR ROUTE
- TEMPORARY SIGN ON TEMPORARY SIGN SUPPORT
- SIGN DETAIL (THIS SHEET)

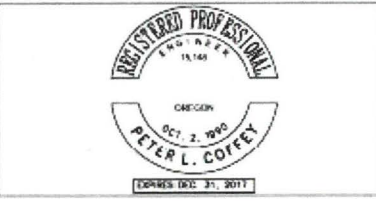


FILE: X:\PROJECTS\2018\1816082-001 (PORTLAND TERWILLIGER-POWERS SANITARY SEWER EXTENSION)\ACAD\CT03.DWG 4/24/13 - REV

NO.	DATE	DESCRIPTION	APPD.

DESIGNED BY	DATE APPD.
DRAWN BY	PROGRAM MGR
CHECKED BY	CONST. MGR
DESIGN MGR.	

CITY OF PORTLAND
ENVIRONMENTAL SERVICES



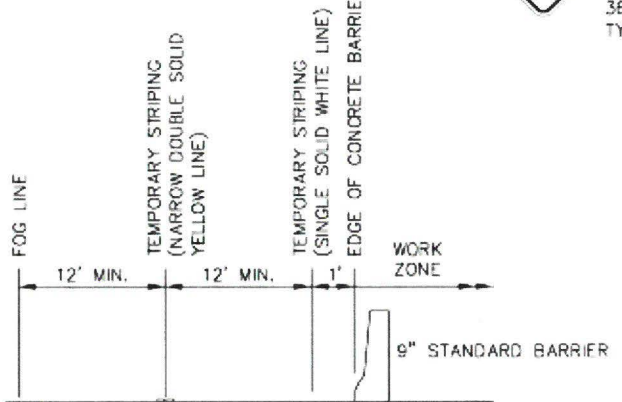
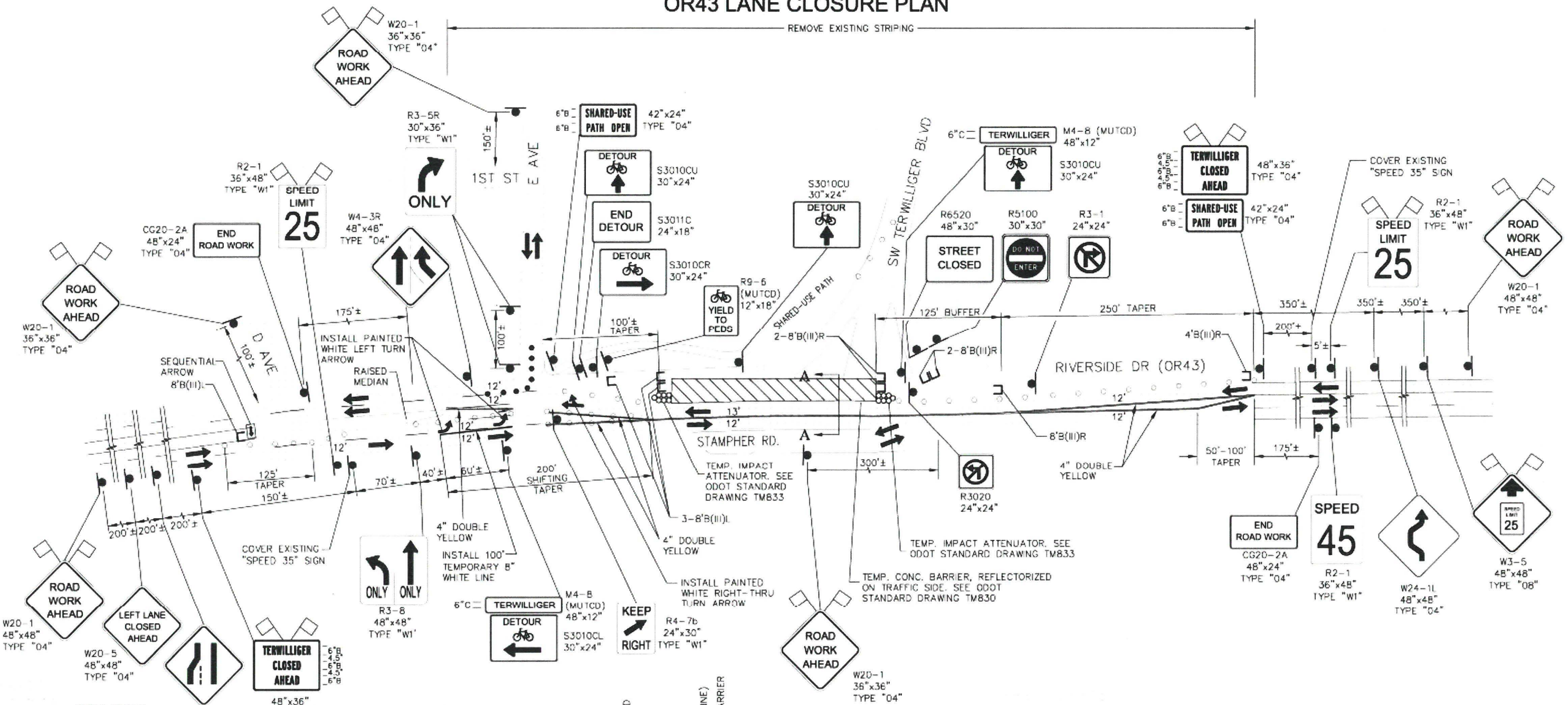
SW TERWILLIGER BLVD & POWERS CT
 SANITARY SEWER EXTENSION

1/4 SECTION
JOB NO.
SHEET NO.
OF

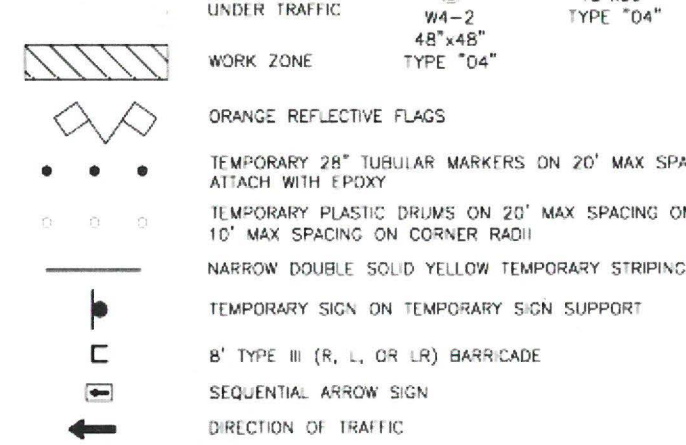
DKS 720 SW Washington Street, Suite 500
 Portland, Oregon 97205
 (503) 243-3500
 www.dksassociates.com

OR43 LANE CLOSURE PLAN

REMOVE EXISTING STRIPING



1. SEE SHEET CT05 FOR TERWILLIGER BLVD CLOSURE PLAN, AND SHEETS CT02 AND CT03 FOR DETOUR PLANS.
2. SEE OREGON STANDARD DRAWING TM810 FOR TEMPORARY STRIPING DETAILS.
3. OTHER TRAFFIC CONTROL PLAN SHEETS WILL BE NEEDED THAT HAVE NOT BEEN PROVIDED AND APPROVED.
4. ALL TRAFFIC CONTROL DEVICES SHALL BE COMPLIANT FOR NIGHTTIME REFLECTIVITY.
5. ALL BARRICADES SHALL HAVE (AMBER) YELLOW FLASHING WARNING LIGHTS.
6. ALL ADVANCE TRAFFIC CONTROL SIGNAGE SHALL HAVE ORANGE REFLECTIVE FLAGS WHERE SHOWN.
7. INSTALL TEMPORARY SIGN SUPPORT PER ODOT TM821.
8. REMOVE STRIPING CONFLICTING WITH TEMPORARY PAVEMENT MARKINGS.



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				REVISION			

DESIGNED BY	DATE APPR.
DRAWN BY	PROGRAM MGR
CHECKED BY	CONST. MGR
DESIGN MGR.	

CITY OF PORTLAND

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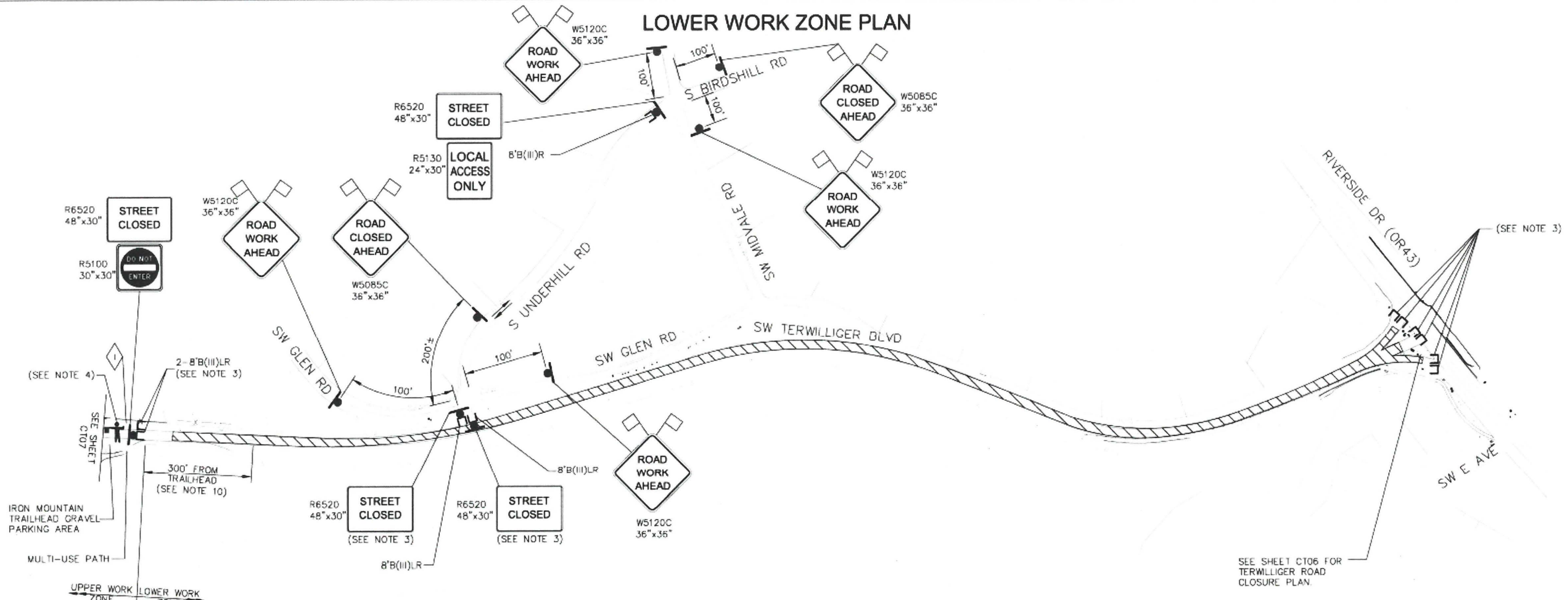
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<p style="font-size: 1.5em; opacity: 0.5;">PAVING & POWER</p>	<p>1/4 SECTION</p>
<p>JOB NO.</p>	<p>SHEET NO.</p>
<p>OF</p>	

FILE: X:\PROJECTS\2018\1818082-001 (PORTLAND TERWILLIGER-POWERS SOWER EXTENSION)\CAD\CT04.DWG 4/24/13 - REH

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LOWER WORK ZONE PLAN



1. PLACE BARRICADE, FLAGGER AND SIGNAGE JUST SOUTH OF TRAILHEAD GRAVEL PARKING AREA.

WORK ZONE

ORANGE REFLECTIVE FLAGS

- FLAGGER
- TEMPORARY SIGN ON TEMPORARY SIGN SUPPORT
- 8' TYPE III (R, L, OR LR) BARRICADE
- TEMPORARY SIGN ON TYPE III BARRICADE

1. THE LOWER WORK ZONE ON SW TERWILLIGER BLVD. SHALL BE BETWEEN THE IRON MOUNTAIN TRAILHEAD GRAVEL PARKING AREA AND OR43.
2. THE LOWER WORK ZONE SHALL BE CLOSED TO MOTOR VEHICLE TRAFFIC THROUGHOUT CONSTRUCTION DURING WORKING AND NON-WORKING HOURS.
3. PLACE BARRICADES ACROSS ENTIRE ROADWAY DURING NON-WORKING HOURS. ADJUST AS NEEDED DURING WORKING HOURS, OR OTHERWISE DIRECTED.
4. FLAGGER REQUIRED TO ASSIST LOCAL TRAFFIC DURING WORK AND NON-WORK HOURS FOR THE FIRST FIVE DAYS AND NIGHTS OF THE TERWILLIGER ROAD CLOSURE.
5. THIS SHEET TO ACCOMPANY SHEETS CT02, CT04, CT06 AND CT07.
6. OTHER TRAFFIC CONTROL PLAN SHEETS WILL BE NEEDED THAT HAVE NOT BEEN PROVIDED AND APPROVED.
7. INSTALL TEMPORARY SIGN SUPPORTS PER ODOT TM821.

7. ALL TRAFFIC CONTROL DEVICES SHALL BE COMPLIANT FOR NIGHTTIME REFLECTIVITY.
8. ALL BARRICADES SHALL HAVE (AMBER) YELLOW FLASHING WARNING LIGHTS.
9. ADVANCE TRAFFIC CONTROL SIGNAGE SHALL HAVE ORANGE REFLECTIVE FLAGS WHERE SHOWN.
10. IF NEEDED, THE CONTRACTOR WILL BE ALLOWED A STAGING AREA (ALL HOURS, ALL DAYS DURING THE TERWILLIGER CLOSURE), ON TERWILLIGER BLVD. (FROM 300') SOUTH OF THE IRON MOUNTAIN TRAILHEAD GRAVEL PARKING AREA TO OR43 (WITHIN THE SEGMENT THAT IS CLOSED TO ALL TRAFFIC). SEE SPECIAL PROVISIONS SECTION 220 FOR ADDITIONAL REQUIREMENTS.



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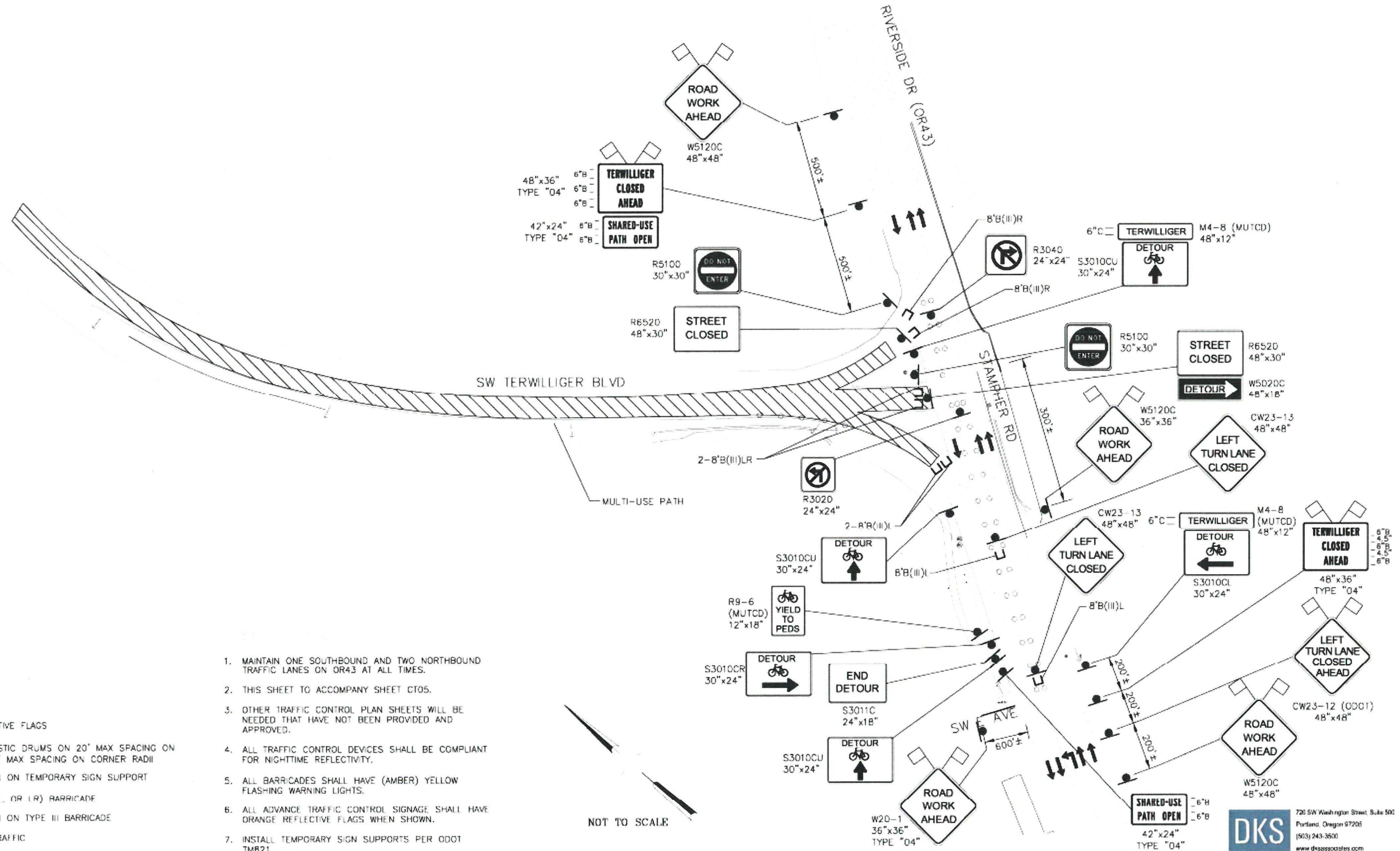
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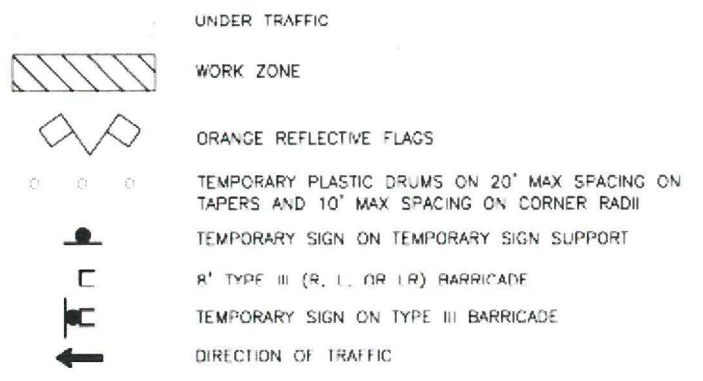
SW TERWILLIGER BLVD & POWERS CT
SANITARY SEWER EXTENSION

1/4 SECTION
JOB NO.
SHEET NO.
OF

TERWILLIGER BLVD CLOSURE PLAN



1. MAINTAIN ONE SOUTHBOUND AND TWO NORTHBOUND TRAFFIC LANES ON OR43 AT ALL TIMES.
2. THIS SHEET TO ACCOMPANY SHEET CT05.
3. OTHER TRAFFIC CONTROL PLAN SHEETS WILL BE NEEDED THAT HAVE NOT BEEN PROVIDED AND APPROVED.
4. ALL TRAFFIC CONTROL DEVICES SHALL BE COMPLIANT FOR NIGHTTIME REFLECTIVITY.
5. ALL BARRICADES SHALL HAVE (AMBER) YELLOW FLASHING WARNING LIGHTS.
6. ALL ADVANCE TRAFFIC CONTROL SIGNAGE SHALL HAVE ORANGE REFLECTIVE FLAGS WHEN SHOWN.
7. INSTALL TEMPORARY SIGN SUPPORTS PER ODOT TM821.



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ROTATION ANGLE:	
CONSTRUCTED BY	
PROJECT COMPLETED	
MAP CORRECTED BY	CHECKED BY
DRAWING NAME:	FINAL MAT DATA
	E10413_CT05.DWG

CITY OF PORTLAND

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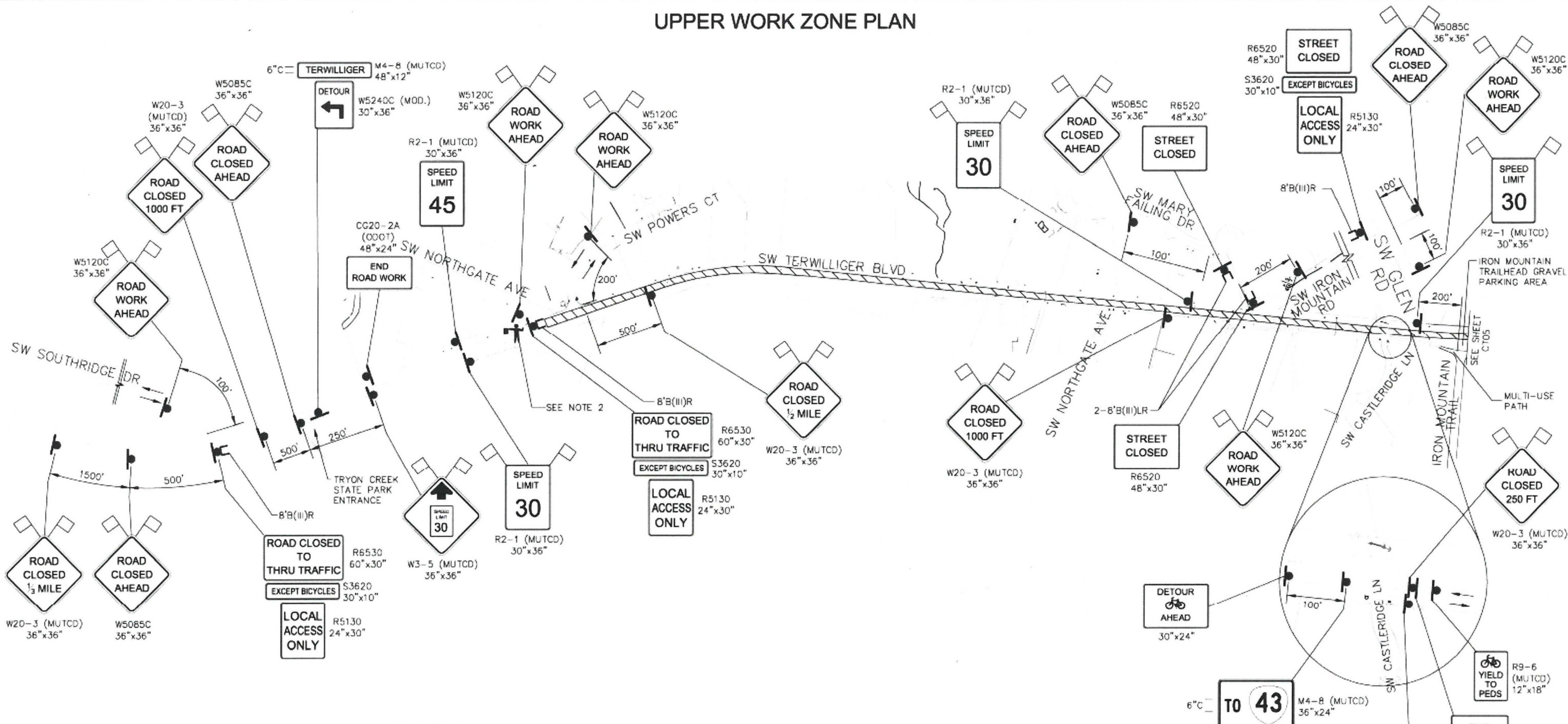
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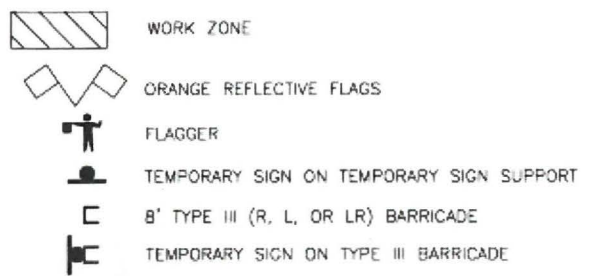
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1/4 SECTION
JOB NO.
SHEET NO.
OF

UPPER WORK ZONE PLAN



1. THE UPPER WORK ZONE ON SW TERWILLIGER BLVD. SHALL BE BETWEEN SW NORTHGATE AVE NORTH OF SW POWERS CT. AND THE IRON MOUNTAIN TRAILHEAD GRAVEL PARKING AREA.
2. FLAGGER REQUIRED TO ASSIST LOCAL TRAFFIC DURING WORK AND NON-WORK HOURS FOR THE FIRST FIVE DAYS AND NIGHTS OF TERWILLIGER ROAD CLOSURE.
3. EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES WITHIN THE UPPER WORK ZONE ON TERWILLIGER BLVD.
4. ALL EXISTING SPEED 45 SIGNS SHALL BE PROTECTED AND COVERED ON SW TERWILLIGER BLVD BETWEEN POWERS CT AND OR43.
5. THIS SHEET TO ACCOMPANY SHEETS CT03, CT04, CT05, CT06 AND CT08.
6. OTHER TRAFFIC CONTROL PLAN SHEETS WILL BE NEEDED THAT HAVE NOT BEEN PROVIDED AND APPROVED.
7. ALL TRAFFIC CONTROL DEVICES SHALL BE COMPLIANT FOR NIGHTTIME REFLECTIVITY.
8. ALL BARRICADES SHALL HAVE (AMBER) YELLOW FLASHING WARNING LIGHTS.
9. ADVANCE TRAFFIC CONTROL SIGNAGE SHALL HAVE ORANGE REFLECTIVE FLAGS WHERE SHOWN.
10. SEE SHEET CT05 FOR UPPER AND LOWER WORK ZONE DIVISION.
11. INSTALL TEMPORARY SIGN SUPPORTS PER ODOT TM821.



NOT TO SCALE

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Base-Links
XREF(S) USED: #10413_XDSN, E10413_XSUR, e10413_TOPO

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CITY OF PORTLAND
ENVIRONMENTAL SERVICES

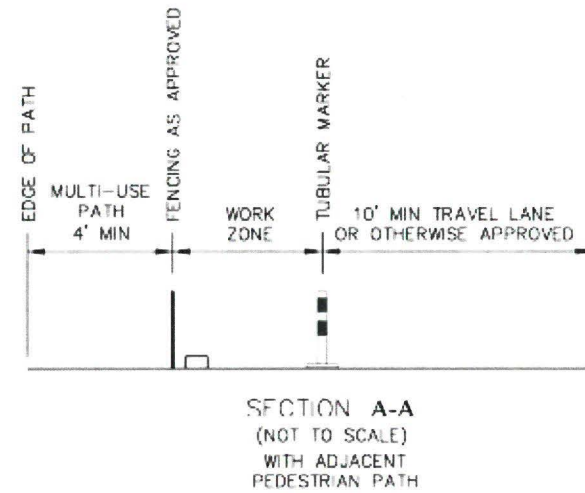
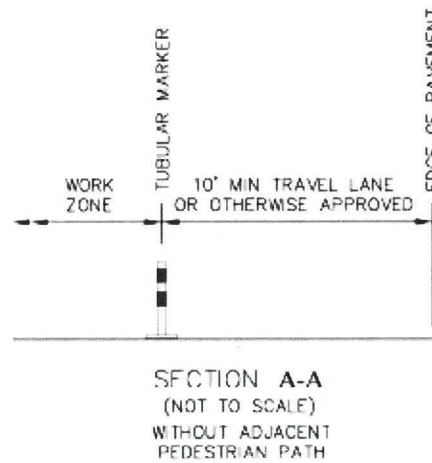
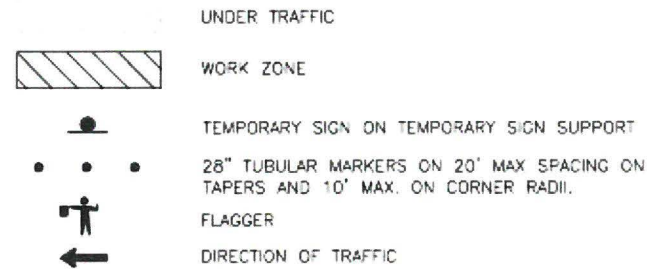
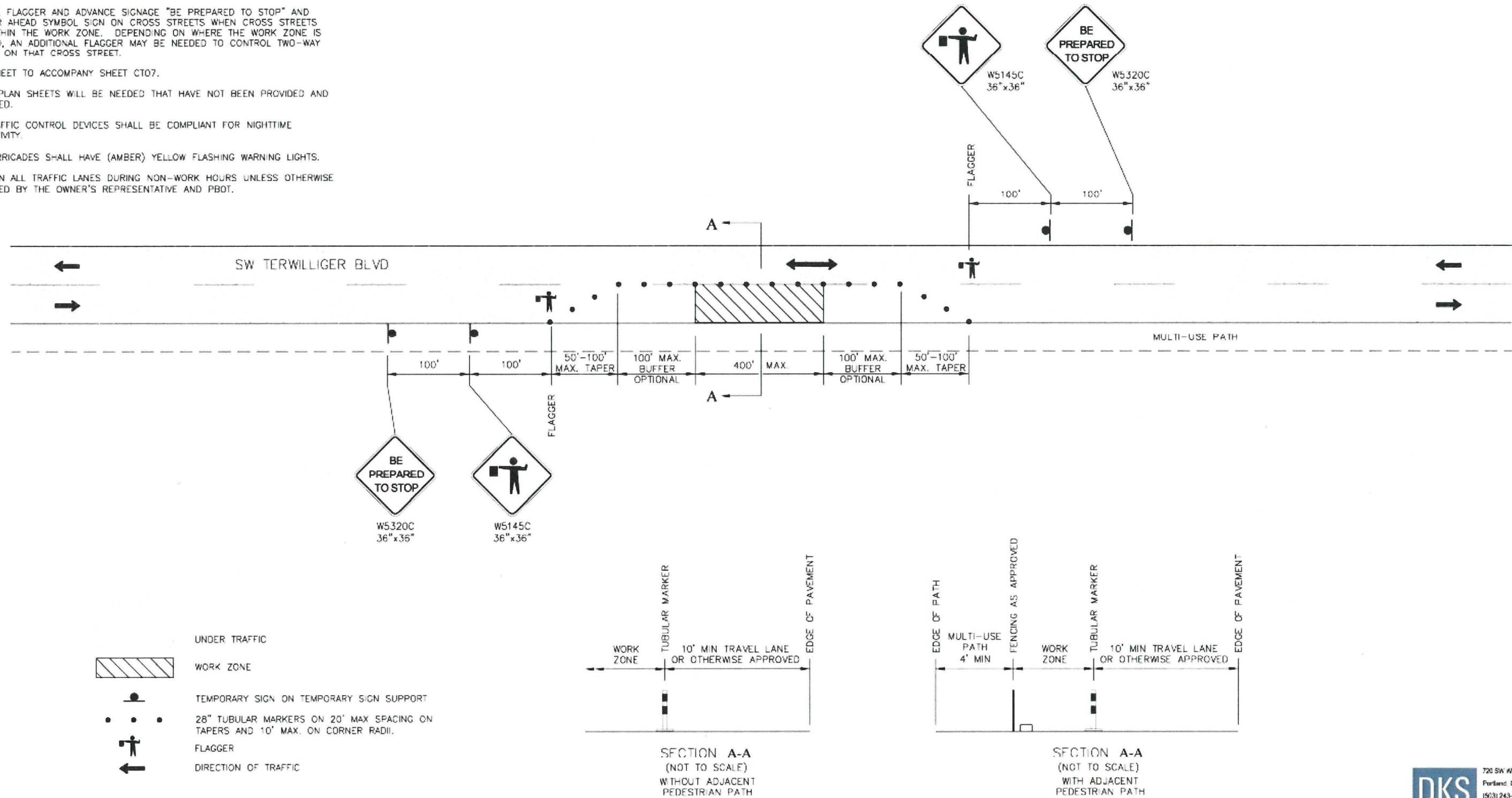


SW TERWILLIGER BLVD & POWERS CT
SANITARY SEWER EXTENSION

1/4 SECTION
JOB NO.
SHEET NO.
OF

TERWILLIGER LANE CLOSURE PLAN - UPPER WORK ZONE

1. THIS IS A TYPICAL LANE CLOSURE PLAN. CONTRACTOR SHALL MAKE ADJUSTMENTS AS NEEDED AND SUBMIT A REVISED PLAN FOR APPROVAL.
2. MAINTAIN ACCESS TO IRON MOUNTAIN TRAILHEAD GRAVEL PARKING AREA AND ALL PRIVATE DRIVEWAYS AT ALL TIMES, OR OTHERWISE APPROVED. COORDINATE WITH PROPERTY OWNERS AS NECESSARY FOR APPROVED TEMPORARY DRIVEWAY CLOSURES.
3. THIS TRAFFIC CONTROL PLAN SHALL BE USED WHEN TWO TRAFFIC LANES ARE NOT MAINTAINED IN THE UPPER ZONE. SEE SPECIAL PROVISIONS SECTION 0022.0 FOR ADDITIONAL REQUIREMENTS.
4. PROVIDE FLAGGER AND ADVANCE SIGNAGE "BE PREPARED TO STOP" AND FLAGGER AHEAD SYMBOL SIGN ON CROSS STREETS WHEN CROSS STREETS ARE WITHIN THE WORK ZONE. DEPENDING ON WHERE THE WORK ZONE IS LOCATED, AN ADDITIONAL FLAGGER MAY BE NEEDED TO CONTROL TWO-WAY TRAFFIC ON THAT CROSS STREET.
5. THIS SHEET TO ACCOMPANY SHEET CT07.
6. OTHER PLAN SHEETS WILL BE NEEDED THAT HAVE NOT BEEN PROVIDED AND APPROVED.
7. ALL TRAFFIC CONTROL DEVICES SHALL BE COMPLIANT FOR NIGHTTIME REFLECTIVITY.
8. ALL BARRICADES SHALL HAVE (AMBER) YELLOW FLASHING WARNING LIGHTS.
9. MAINTAIN ALL TRAFFIC LANES DURING NON-WORK HOURS UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE AND PBOT.

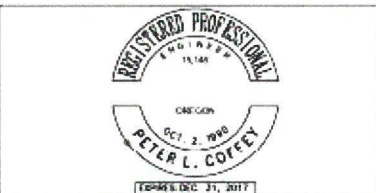


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 SANITARY SEWER EXTENSION

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1/4 SECTION
JOB NO.
SHEET NO.
OF

Request of Charles Ormsby to address Council regarding Bureau of Environmental Services Terwilliger Blvd Sewer Project (Communication)

JUN 29 2016

PLACED ON FILE

Filed JUN 21 2016

MARY HULL CABALLERO
Auditor of the City of Portland

By *Susan Swanson*
Deputy

COMMISSIONERS VOTED AS FOLLOWS:		
	YEAS	NAYS
1. Fritz		
2. Fish		
3. Saltzman		
4. Novick		
Hales		