CITY OF MILWAUKIE, OREGON 2016 Sidewalk and ADA Ramp Enhancement CIP2016-S15

Know what's **below**.

Call before you dig.

6101 SE JOHNSON CREEK BLVD.

MILWAUKIE, OR 97206

PROJECT MAP PROJECT MAP RAMP COUNT Scale: N.T.S. GENERAL PROJECT AREA

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APPROVED

_____<u>6/16/2016</u>_____ DATE

6/16/2016 DATE

6/20/2016 DATE

6/20/2016

PROJECT DESCRIPTION

The 2016 Pedestrian Improvements Project generally consists of upgrading existing curb ramps and sidewalks along SE Van Water Street from SE 30th Avenue to SE 32nd Avenue as well as adding curb ramps and sidewalks to provide connectivity at the intersection of SE Lake Road and SE 38th Avenue in the City of Milwaukie. Upgrading the curb ramps will include concrete curb removal and replacement, concrete sidewalk removal and replacement, installation of ADA-compliant tactile warning pad, and other incidental work required to complete the work.

	PROJECT MANAGER		
ШЕ	Name:	Rick Buen	
21	Title:	Civil Engineer	
	Phone Number:	(503) 786-7602	
	Cell Number:	(503) 734-4060	
ıh' ا	Email Address:	buenr@milwaukieoregon.gov	
	PROJECT INSPECTOR		
- 7	Name:	Alex Roller	
7	Title:	Engineering Technician II	
-	Phone Number:	(503) 786-7695	
, <u> </u>	Cell Number:	(503) 502-6570	
	Email Address:	rollera@milwaukieoregon.gov	
	MILWAUKIE OPERATIONS		
\sim	Name:	Emergency On-Call	
****	Phone Number:	(503) 348-8833	
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$\left(- \right)$	PORTLAND GENERAL ELECTRI		
	Name:	Toby Anderson	
J I	Phone Number (Emergency):	(503) 464-7777	
	Phone Number (Service):	(503) 736-8280	
	NORTHWEST NATURAL		
그 둑	Name:	Raymond Stauss	
	Phone Number:	(503) 226-4211 ext. 6746	
	CENTURY LINK		
elow.	Name:	Kenneth Sciulli	
'e you dig.	Phone Number:	(503) 242-0304	
	COMCAST		
	Name:	Kenneth Wills	
	Phone Number:	(503) 596-3767	2010
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PHONE.

FAX:

503-786-7600

503-774-8236

PROJECT NO .: CIP2016-S15

Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through 952-001-0090. You may obtain copies of the rules by calling the Oregon Utility Notification Center at 503-232-1987.

BY REVISIONS

DATE



CITY OF MILWAUKIE ENGINEERING DEPARTMENT 6101 SE JOHNSON CREEK BLVD MILWAUKIE, OR 97206 PHONE (503) 786-7600 (503) 774-8236 FAX

Sidewalk and ADA Ramp Enhancement SIDEWALK AND RAMP INSTALLATION COVER SHEET

CONTRACT NO.:	DATE:	9/19/16	SHEET NO .:	CV1

1	THE LOCATION AND DESCRIPTION OF UTILITIES SHOWN AND UTILITY COMPANIES DO NOT GUARANTEE THE ACC				
2	CONTRACTOR SHALL COMPLY WITH ALL REQUIREMN REQUIREMENTS ARE SET FORTH IN OAR 952-001-0010 T		LITY NOTIFICATION CENTER. THESE		
3	UTILITY LOCATIONS SHALL BE VERIFIED BY OREGON I CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAININ				TABLE
4	CONTRACTOR SHALL COMPLY WITH CITY OF MILWAUKIE	E PUBLIC WORKS STANDARDS REVISED F	FEBRUARY 4, 2014 IN ITS ENTIRETY.	SHEET NUME	
				CV1	
5	PROVISIONS SHALL BE MADE BY THE CONTRACTOR T CONSTRUCTION. THE UTILITY OWNER SHALL BE N			CV2	
	CONTRACTOR'S EXPENSE.			ER1 ER2	EROSION PREVEN
	FOR ANY EXISTING UNDERGROUND UTILITY CONFLICT			TR1	
	NOTIFY WITH PROJECT MANAGER OF THE CONFLICTS.		RIBED HEREIN, CONTRACTOR SHALE	CI1	SE LA
				Cl2	SE VAN V
'	UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT THE EXTENT NECESSARY TO ACCOMPLISH THE WOR			CI3	SE VAN V
	REMOVAL. THE CONTRACTOR SHALL PLUG THE REMAIN			DT1	
	OF 2 FEET INTO THE PIPE.			DT2	
8	CONTRACTOR SHALL INSTALL, UTILIZE, AND MAINTAIN	EROSION PREVENTION AND SEDIMENT	CONTROL DEVICES IN ACCORDANCE	DT3	
	WITH THE EROSION PREVENTION & SEDIMENT CONTRO			DT4	
	CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL F		DEMENTS ON SHEET TRA DRIOD TO	DT5 DT6	
l s	START OF WORK. CONTRACTOR TO INSTALL, MAINT			DI6	
	ADDITIONS AND/OR DEVIATIONS FROM THE TCP SHALL	BE APPROVED BY THE PROJECT MANAG	ER.		
	 ALL SALVAGED TRAFFIC SIGNS SHALL BE STORED S REPLACED AT CONTRACTORS EXPENSE. ALL EXCAVATIONS WITHIN THE PAVED STREET SHALL E 				
	TO ALLOWING VEHICULAR TRAFFIC ONTO EXCAVATED AND REMOVING TEMPORARY SURFACING MATERIALS. AND IS CONSIDERED INCIDENTAL TO THE WORK.	AREAS. CONTRACTOR SHALL BE RESPO	ONSIBLE FOR PLACING, MAINTAINING,		
1	. CONTRACTOR SHALL NOT REMOVE ANY STREET SIGNA	GE WITHOUT PRIOR CITY APPROVAL.			
1	. CONTRACTOR SHALL REPLACE DAMAGED OR REMOVED	PAVEMENT MARKINGS UPON COMPLET	ION OF FINAL PAVING.		
1	. PRIOR TO FINAL PAYMENT, CONTRACTOR SHALL SUBM THE ORIGINAL PLAN. THE CONTRACTOR SHALL KEEP A ALL TIMES AND AVAILABLE FOR CITY INSPECTION.				
1	. IT IS THE OBLIGATION OF THE CONTRACTOR TO OBT PRIVATE PROPERTY FOR CONSTRUCTION STAGING A PROPERTY OWNER UPON COMPLETION OF THE PROJEC WITH PRIVATE PROPERTY OWNERS.	ND TO RESTORE PRIVATE PROPERTY	TO A CONDITION SATISFACTORY TO		
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NO.	DATE BY REVISIONS	APPROVED DATE	MILWAUKIE, OR 97206		CIP2016-S15 COM
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GENERAL REQUIREMENTS NOTES

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TRAFFIC CONTROL PLAN
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WATER ROAD AND SE 30TH AVENUE
WATER ROAD AND SE 31ST AVENUE
CONSTRUCTION DETAILS

idewalk and ADA Ramp Enhancement

SIDEWALK AND RAMP INSTALLATION NOTES SHEET

CONTRACT NO.:	DATE:	9/19/16	SHEET NO .:	CV2

	<u>ERO</u>	SION PRE	EVEN	NTION AND SEDIMENT CONTROL REQUIREMENTS	NOTES						
				I PREVENTION MEASURES SHALL BE IN PLACE, F CTIONING ORDER THROUGHOUT CONSTRUCTIO		PROVED PRIOR TO CO	MMENCEMENT OF CONSTRUCTION AC	TIVITIES. CONTRACTOR SHALL MA	INTAIN ALL SOIL EROSION	AND S	
D		WHEN RAINFALL AND RUNOFF OCCURS DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROLS AND DISCHARGE OUTFALLS MUST BE PROVIDED BY SOMEONE KNOWLEDGEABLE AND EXPERIENCED IN INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS WHO WORKS FOR THE PERMITTEE.									
	3.	CONSTRU	UCTI	ON ACTIVITIES MUST AVOID OR MINIMIZE EXCAV	ATION AND CREATIO	N OF BARE GROUND F	ROM OCTOBER 1 THROUGH MAY 31 EA	ACH YEAR.			
	4.		WET	WEATHER PERIOD, TEMPORARY STABILIZATION	OF THE SITE MUST O	OCCUR AT THE END OF	EACH WORK DAY.				
				ONTROLS MUST BE INSTALLED AND MAINTAINED COVERING OF EXPOSED SOIL IS ESTABLISHED.	ON ALL DOWN GRAD	IENT SIDES OF THE CO	DNSTRUCTION SITE AT ALL TIMES DUR	ING CONSTRUCTION. THEY MUST F	REMAIN IN PLACE UNTIL PE	RMANE	
•				NLETS MUST HAVE SEDIMENT CONTROLS INSTAL B INLET CATCH BASINS.	LED AND MAINTAINE	D AT ALL TIMES DURIN	G CONSTRUCTION. UNLESS OTHERW	ISE APPROVED, A SURFACE MOUN	TED AND ATTACHABLE, U-	SHAPEI	
			VEN	AMOUNTS OF SEDIMENT WHICH LEAVES THE SIT TED FROM CAUSING A RECURRENCE OF THE DIS							
с	8.	SEDIMEN	ΙΤ ΜΙ	JST NOT BE INTENTIONALLY WASHED INTO STOP	RM SEWERS, DRAINAG	GE WAYS, OR WATER	BODIES.				
	9.	SEDIMEN	ΙΤ ΜΙ	JST BE REMOVED FROM BEHIND ALL SEDIMENT	CONTROL MEASURES	WHEN IT HAS REACH	ED A HEIGHT OF 1/3RD THE BARRIER H	HEIGHT, AND PRIOR TO THE CONTR	OL MEASURES REMOVAL.		
	10.	CLEANIN	G OF	ALL STRUCTURES WITH SUMPS MUST OCCUR V	VHEN THE SEDIMENT	RETENTION CAPACITY	Y HAS BEEN REDUCED BY 50% AND AT	COMPLETION OF PROJECT.			
	11.	ANY USE	OF	TOXIC OR OTHER HAZARDOUS MATERIALS MUST	INCLUDE PROPER S	TORAGE, APPLICATIO	N, AND DISPOSAL.				
•		THE PERI		EE MUST PROPERLY MANAGE HAZARDOUS WAS ON.	TES, USED OILS, CON	NTAMINATED SOILS, C	DNCRETE WASTE, SANITARY WASTE, L	IQUID WASTE, OR OTHER TOXIC SI	JBSTANCES DISCOVERED	OR GE	
				TION RATE OF FERTILIZERS USED TO REESTABL SHOULD BE USED AND CARE SHOULD BE MADE				ENT RELEASES FROM FERTILIZERS	TO SURFACE WATERS MU	JST BE	
				ESIGNATED PERSON SHALL BE RESPONSIBLE FO	OR PROPER INSTALL	ATION AND MAINTENA	NCE OF ALL EROSION AND SEDIMENT (CONTROL MEASURES, IN ACCORDA	NCE WITH CURRENT CLE	AN WAT	
В		APPROVE	ED, N	Y LAND DISTURBING ACTIVITIES, THE BOUNDARI NO DISTURBANCE IS PERMITTED BEYOND THE CL ISTRUCTION FENCE OR APPROVED EQUAL.							
				Y LAND DISTURBING ACTIVITIES, THE BMPS THAT THE PROJECT.	T MUST BE INSTALLED	D ARE GRAVEL CONST	RUCTION ENTRANCE, PERIMETER SEE	DIMENT CONTROL, AND INLET PROT	ECTION. THESE BMPS MU	ST BE N	
	17.	IF VEGET	ΑΤΙν	YE SEED MIXES ARE SPECIFIED, SEEDING MUST 1	TAKE PLACE NO LATE	R THAN SEPTEMBER	ST; THE TYPE AND PERCENTAGES OF	SEED IN THE MIX ARE AS IDENTIFI	ED ON THE PLANS OR AS S	SPECIFI	
•				T TRUCKS MUST BE USED TO TRANSPORT SATUF FICIENTLY FOR MINIMAL SPILLAGE.	RATED SOILS FROM T	HE CONSTRUCTION S	TE. AN APPROVED EQUIVALENT IS TO	DRAIN THE SOIL ON SITE AT A DES	IGNATED LOCATION USING	G APPR	
	19.	ALL PUM	PING	OF SEDIMENT LADEN WATER MUST BE DISCHAR	RGED OVER AN UNDIS	STURBED, PREFERABI	Y VEGETATED AREA, AND THROUGH A	A SEDIMENT CONTROL BMP (I.E. FIL	TER BAG).		
	20.	THE ESC	PLA	N MUST BE KEPT ONSITE. ALL MEASURES SHOW	N ON THE PLAN MUS	T BE INSTALLED PROP	ERLY TO ENSURE THAT SEDIMENT LAD	DEN WATER DOES NOT ENTER A SU	JRFACE WATER SYSTEM, I	ROADW	
A				ASURES SHOWN ON THIS PLAN ARE THE MINIMUN GULATIONS.	I REQUIREMENTS FO	R ANTICIPATED SITE	CONDITIONS. DURING THE CONSTRUC	TION PERIOD, THESE MEASURES S	HALL BE UPGRADED AS N	EEDED	
	22.	WRITTEN	IESC	CLOGS ARE SUGGESTED TO BE MAINTAINED ON	SITE AND AVAILABLE	TO DISTRICT INSPECT	ORS UPON REQUEST.				
	23.	IN AREAS	S SUE	BJECT TO WIND EROSION, APPROPRIATE BMPS N	IUST BE USED WHICH	H MAY INCLUDE THE A	PPLICATION OF FINE WATER SPRAYING	G, PLASTIC SHEETING, MULCHING,	OR OTHER APPROVED ME	ASURE	
	24.	ALL EXPO	OSEE	D SOILS MUST BE COVERED DURING WET WEATH	IER PERIOD.						
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ED FILTER BAG IS REQUIRED

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VAY, OR OTHER PROPERTIES.

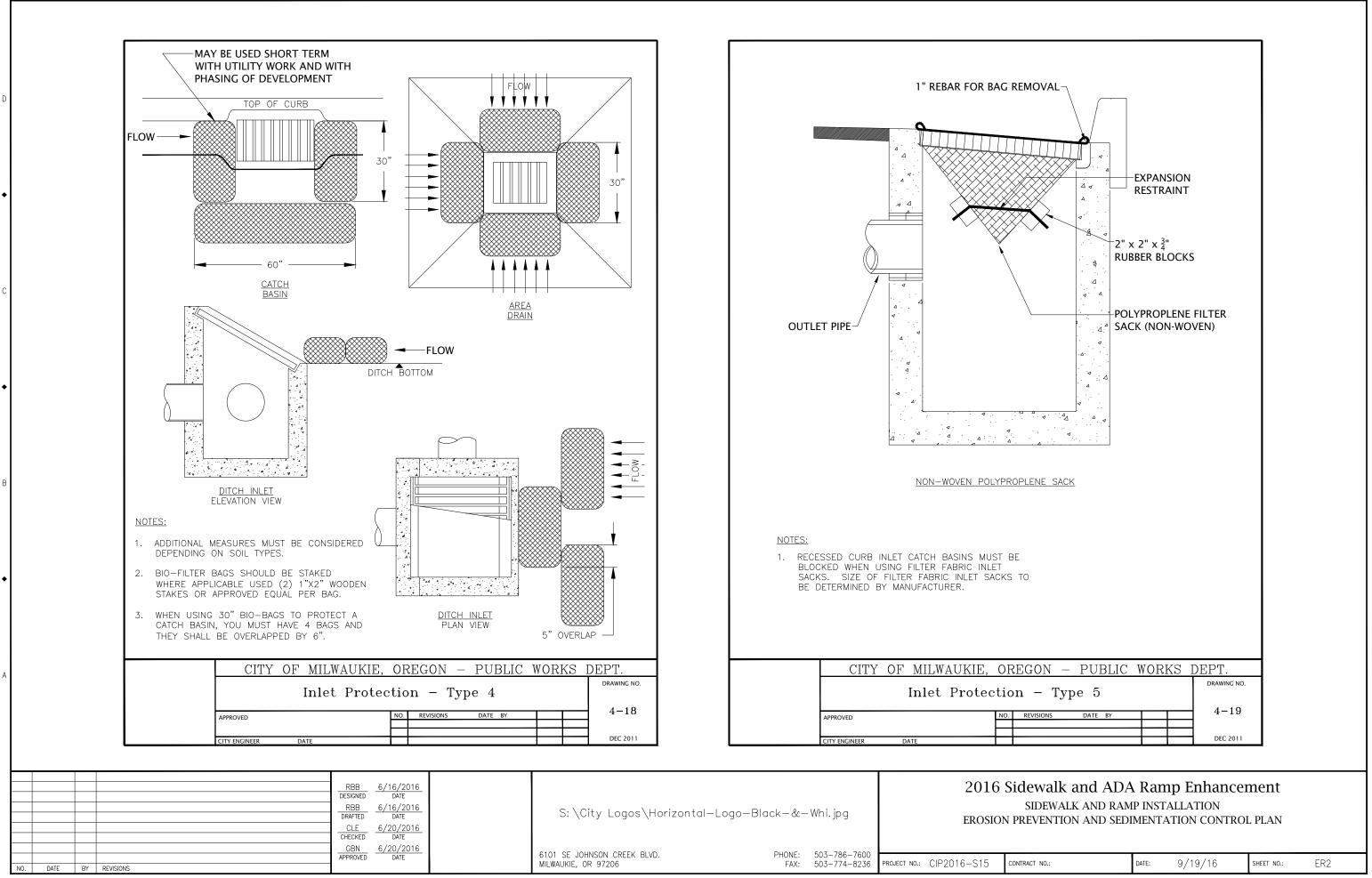
TO MAINTAIN COMPLIANCE

S.

ewalk and ADA Ramp Enhancement

SIDEWALK AND RAMP INSTALLATION EVENTION AND SEDIMENTATION CONTROL PLAN

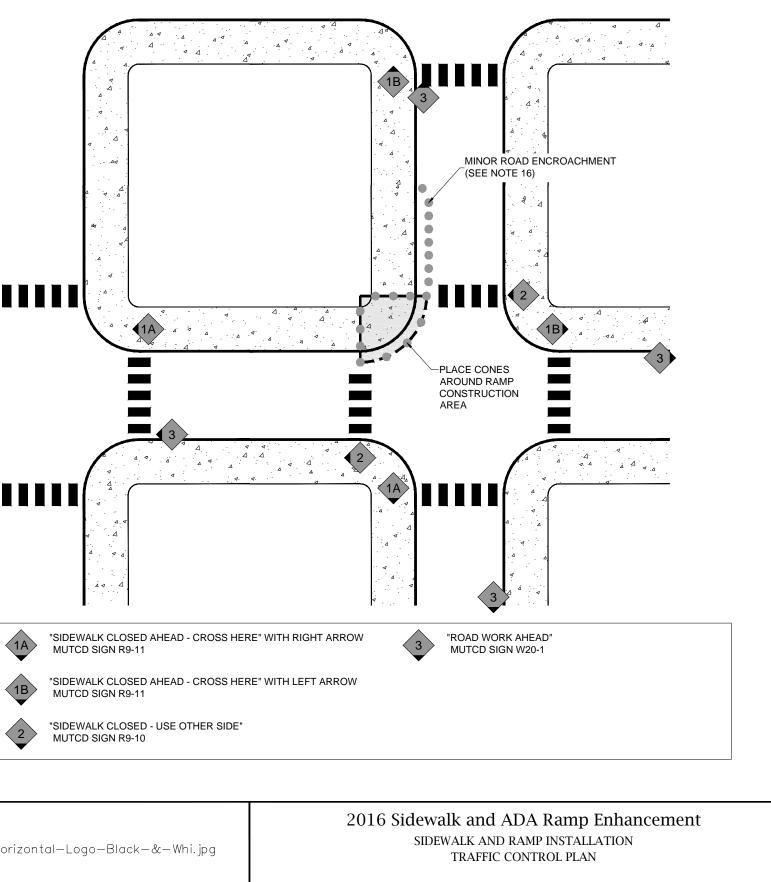
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TRAFFIC CONTROL REQUIREMENTS NOTES

- 1. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN. ALL TRAFFIC CONTROL MEASURES AND DEVICES SHALL CONFORM WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 2. THESE TRAFFIC CONTROL PLANS ARE SCHEMATIC IN NATURE AND ARE CONSIDERED THE MINIMUM NECESSARY TO ADEQUATELY MANAGE TRAFFIC DURING CONSTRUCTION.
- 3. CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THIS PLAN THROUGHOUT THE DURATION OF CONSTRUCTION.
- 4. TRAVEL LANES, STREETS, SIDEWALKS, DRIVEWAYS, AND POINTS OF ACCESS SHALL BE OPENED TO VEHICULAR AND PEDESTRIAN TRAFFIC AT THE END OF EACH WORK DAY, UNLESS OTHERWISE SPECIFIED IN THE PROJECT PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
- 5. ALL AREAS OF EXCAVATION WITHIN VEHICULAR AND PEDESTRIAN TRAVEL WAYS SHALL BE TEMPORARILY COVERED WITH STEEL PLATES OR BACKFILLED AND TEMPORARILY SURFACED WITH ASPHALT CONCRETE PATCHING UNTIL FINAL PAVING. IF STEEL PLATES ARE USED, CONTRACTOR SHALL PLACE "STEEL PLATE AHEAD" SIGNS (MUTCD SIGN W8-24) ON ALL TRAVEL WAY APPROACHES.
- CONTRACTOR SHALL PROVIDE VEHICULAR ACCESS TO SIDE STREETS AND DRIVEWAYS TO THE EXTENT 6. PRACTICABLE. WHEN VEHICULAR ACCESS CANNOT BE PROVIDED, THE CONTRACTOR WILL NOTIFY THE AFFECTED BUSINESS / PROPERTY OWNER OF THE DATE AND DURATION OF THE INTERRUPTION, 24 HOURS IN ADVANCE OF THE CLOSURE.
- 7. TRAFFIC CONTROL DEVICE LOCATIONS ARE APPROXIMATE. FINAL TRAFFIC CONTROL DEVICE LOCATIONS SHALL BE DETERMINED BY THE PROJECT MANAGER OR PROJECT INSPECTOR IN THE FIELD.
- TRAFFIC CONTROL SIGNS SHALL BE PROPORTIONED IN ACCORDANCE WITH CONVENTIONAL ROADWAY STANDARDS OF THE MUTCD.
- 9. TRAFFIC CONTROL SIGNS SHALL BE SPACED A MINIMUM 100 FEET FROM CONSTRUCTION ZONE LIMITS AND OTHER SIGNS.
- 10. LANE SHIFTING AND MERGER TAPERS SHALL HAVE A LENGTH NECESSARY TO ACCOMMODATE 25 MPH VEHICULAR SPEEDS, UNLESS OTHERWISE SPECIFIED IN THE PROJECT PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
- 11. CONE LOCATIONS ARE SCHEMATIC AND DENOTE LANE LOCATIONS, LANE TAPERS, AND WORK AREAS AND DO NOT INDICATE THE NUMBER OF CONES TO BE PLACED. CONTRACTOR WILL PLACE CONES IN A NUMBER SUFFICIENT TO ADEQUATELY DELINEATE AND DIRECT TRAFFIC AROUND WORK AREAS PER THE MUTCD.
- 12. THE MINIMUM VEHICLE TRAVEL LANE WIDTH SHALL BE A 10-FOOT CLEAR DISTANCE PERPENDICULAR TO THE DIRECTION OF TRAVEL
- 13. CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN FOR ASPHALT CONCRETE PAVING AT THE PRE-PAVING MEETING.
- 14. WORK AT SIGNALIZED INTERSECTIONS REQUIRES FLAGGERS TO BE STATIONED AT EACH LEG OF THE INTERSECTION AND THE TRAFFIC SIGNAL TURNED OFF. CONTACT CLACKAMAS COUNTY AT 503-650-3735 TO SCHEDULE SIGNAL SHUT DOWNS.
- 15. CONTRACTOR TO PROVIDE THE CITY WITH THE DURATION OF EXISTING PEDESTRIAN CLOSURE BEFORE CONSTRUCTION OF AFFECTED PEDESTRIAN ROUTE COMMENCE.
- 16. IF TEMPORARY RAMP IS LOCATED IN A VEHICULAR TRAVEL LANE, CONTRACTOR SHALL INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH DIAGRAM 300 ("SHOULDER WORK WITH MINOR ROAD ENCROACHMENT") OF THE OREGON TEMPORARY TRAFFIC CONTROL HANDBOOK (DECEMBER 2011). CONTRACTOR SHALL ALSO UTILIZE A PEDESTRIAN CROSSING SIGN (MUTCD W11-2) IF DIRECTED BY THE PROJECT MANAGER.



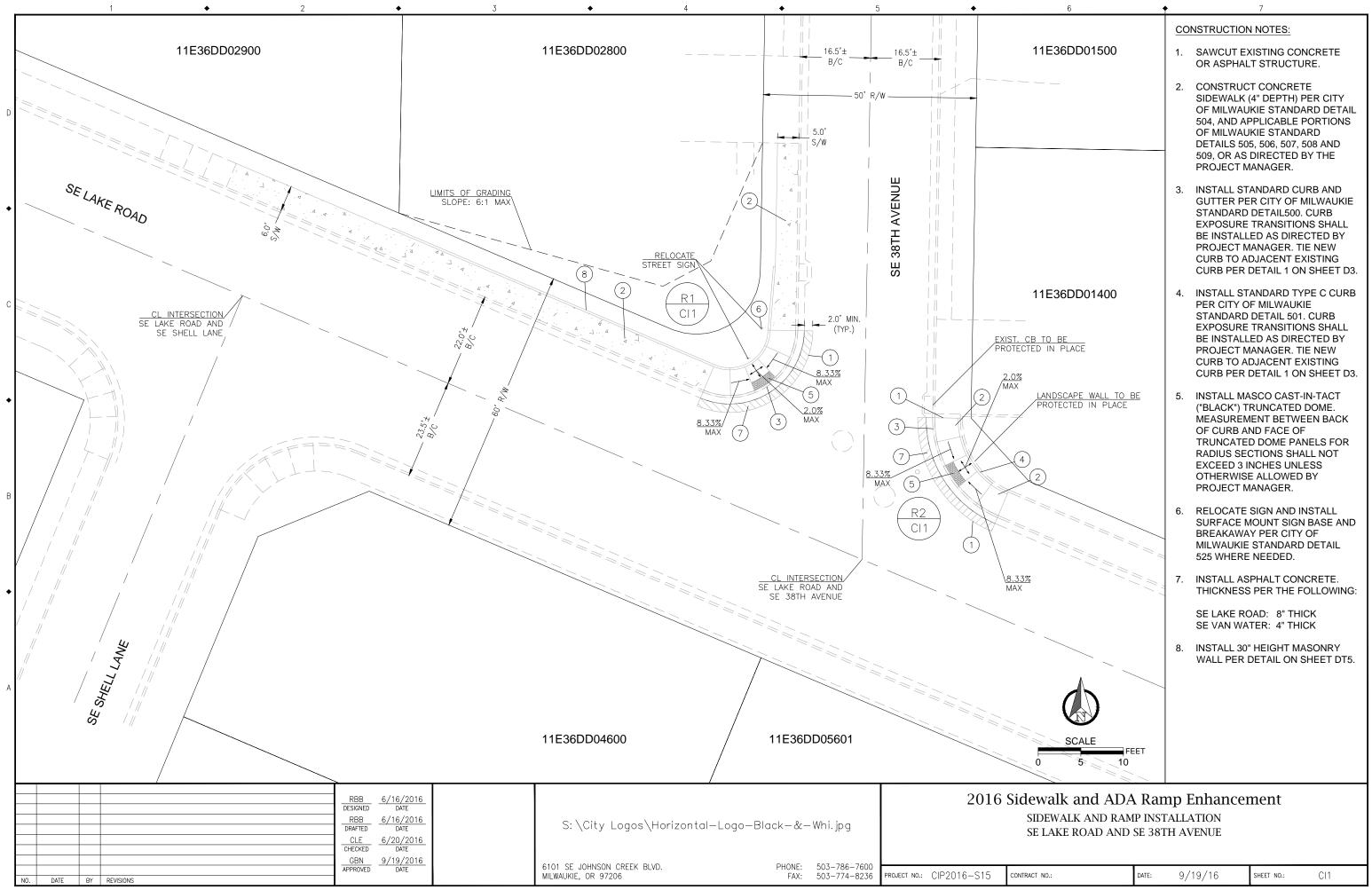




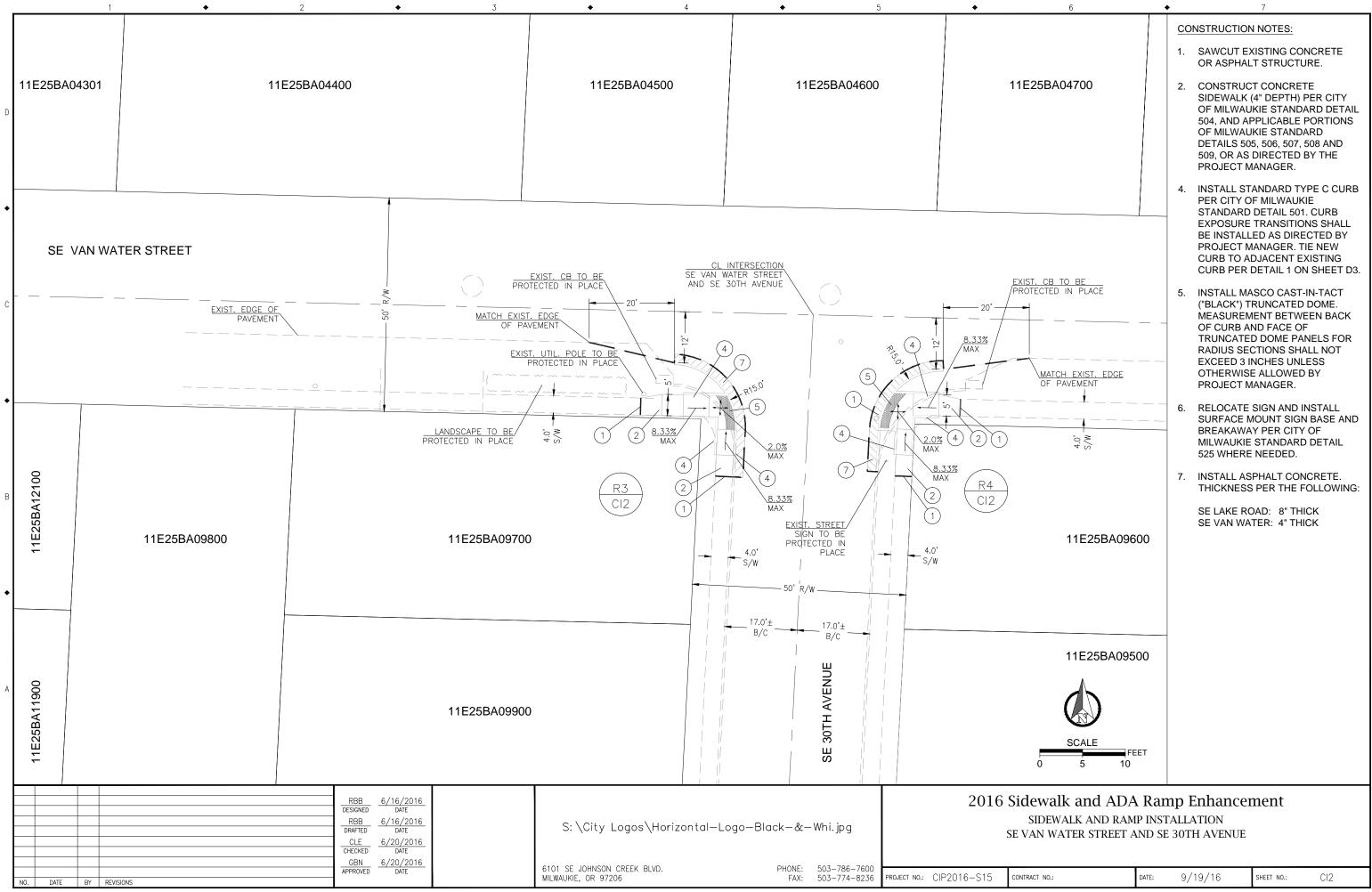
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PEDESTRIAN TRAFFIC CONTROL PLAN, TYP. NOT TO SCALE

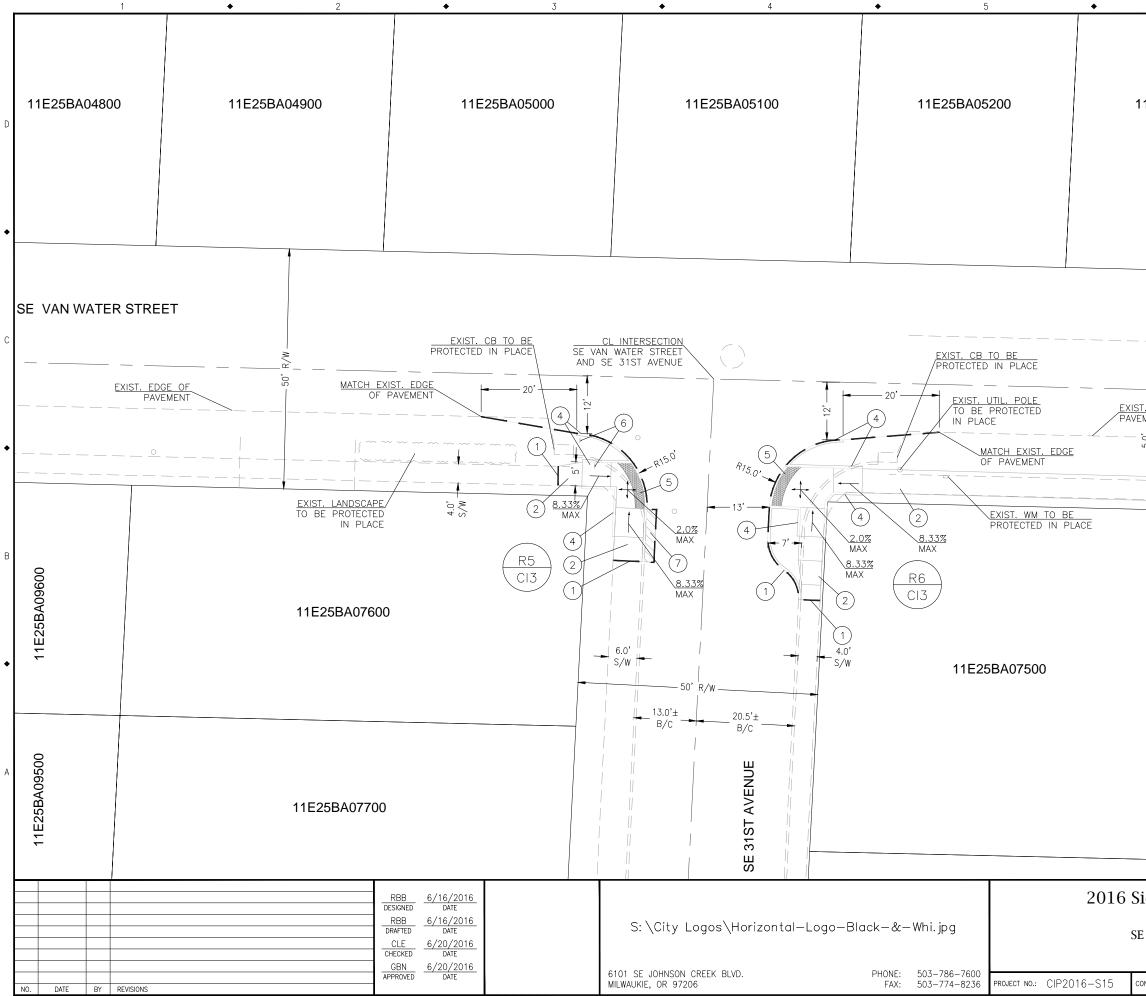
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	<u>c</u>	CONSTRUCTION NOTES:
	1.	. SAWCUT EXISTING CONCRETE OR ASPHALT STRUCTURE.
1E25BA05300	2	CONSTRUCT CONCRETE SIDEWALK (4" DEPTH) PER CITY OF MILWAUKIE STANDARD DETAIL 504, AND APPLICABLE PORTIONS OF MILWAUKIE STANDARD DETAILS 505, 506, 507, 508 AND 509, OR AS DIRECTED BY THE PROJECT MANAGER.
	4	. INSTALL STANDARD TYPE C CURB PER CITY OF MILWAUKIE STANDARD DETAIL 501. CURB EXPOSURE TRANSITIONS SHALL BE INSTALLED AS DIRECTED BY PROJECT MANAGER. TIE NEW CURB TO ADJACENT EXISTING CURB PER DETAIL 1 ON SHEET D3.
SEE CH SHEET CS SS SS SS SS SS SS SS SS SS SS SS SS S	5	. INSTALL MASCO CAST-IN-TACT ("BLACK") TRUNCATED DOME. MEASUREMENT BETWEEN BACK OF CURB AND FACE OF TRUNCATED DOME PANELS FOR RADIUS SECTIONS SHALL NOT EXCEED 3 INCHES UNLESS OTHERWISE ALLOWED BY PROJECT MANAGER.
	6	. RELOCATE SIGN AND INSTALL SURFACE MOUNT SIGN BASE AND BREAKAWAY PER CITY OF MILWAUKIE STANDARD DETAIL 525 WHERE NEEDED.
MA	7	. INSTALL ASPHALT CONCRETE. THICKNESS PER THE FOLLOWING:
		SE LAKE ROAD: 8" THICK SE VAN WATER: 4" THICK
SCALE 0 5 10		
idewalk and ADA Rai SIDEWALK AND RAMP INS E VAN WATER STREET AND S	ΓAL	LATION

ONTRACT NO.:	DATE:	9/19/16	SHEET NO .:	CI3



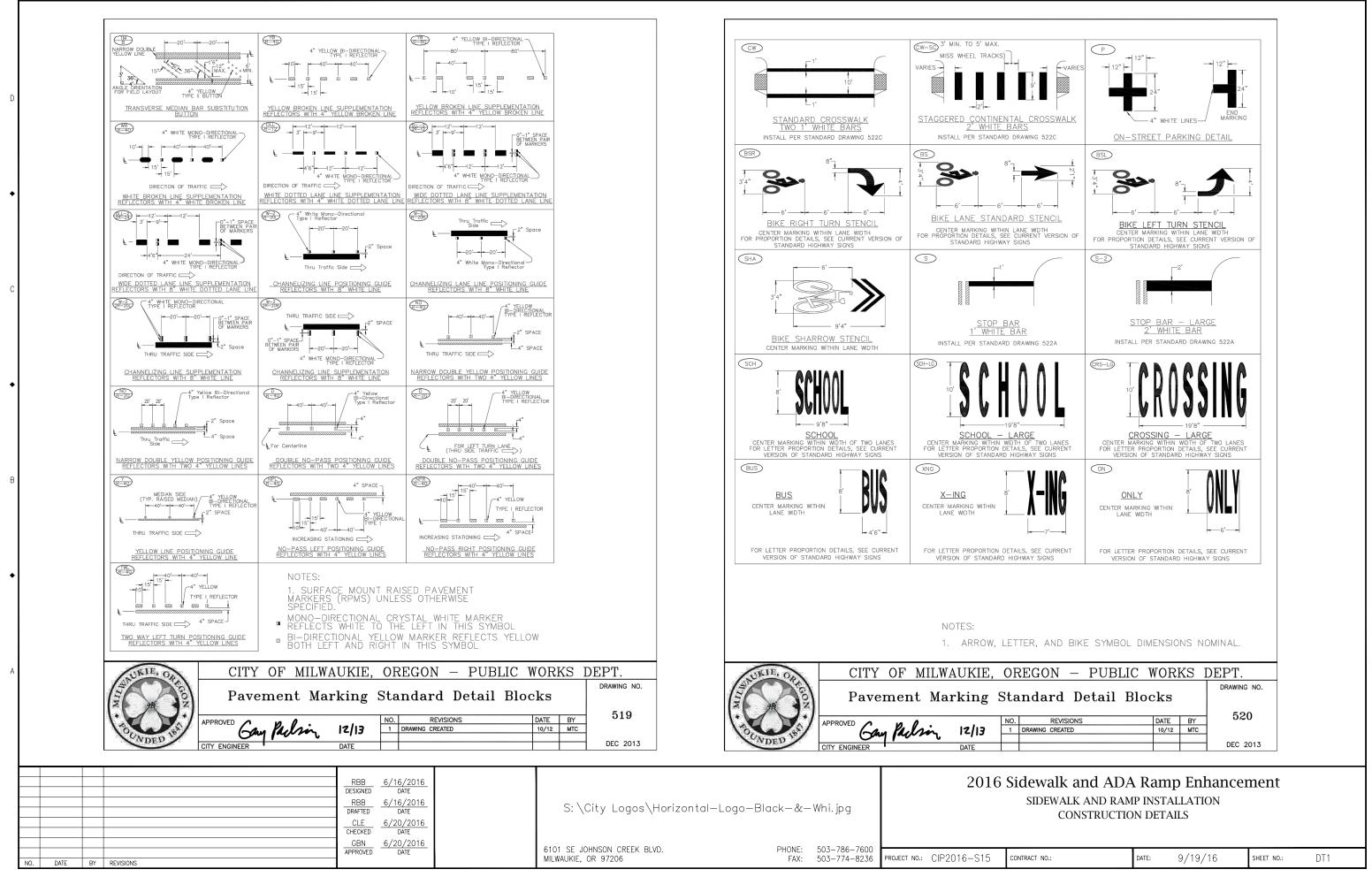
	CONSTRUCTION NOTES:
	1. SAWCUT EXISTING CONCRETE OR ASPHALT STRUCTURE.
C	2. CONSTRUCT CONCRETE SIDEWALK (4" DEPTH) PER CITY OF MILWAUKIE STANDARD DETAIL 504, AND APPLICABLE PORTIONS OF MILWAUKIE STANDARD DETAILS 505, 506, 507, 508 AND 509, OR AS DIRECTED BY THE PROJECT MANAGER.
	4. INSTALL STANDARD TYPE C CURB PER CITY OF MILWAUKIE STANDARD DETAIL 501. CURB EXPOSURE TRANSITIONS SHALL BE INSTALLED AS DIRECTED BY PROJECT MANAGER. TIE NEW CURB TO ADJACENT EXISTING CURB PER DETAIL 1 ON SHEET D3.
	5. INSTALL MASCO CAST-IN-TACT ("BLACK") TRUNCATED DOME. MEASUREMENT BETWEEN BACK OF CURB AND FACE OF TRUNCATED DOME PANELS FOR RADIUS SECTIONS SHALL NOT EXCEED 3 INCHES UNLESS OTHERWISE ALLOWED BY PROJECT MANAGER.
	6. RELOCATE SIGN AND INSTALL SURFACE MOUNT SIGN BASE AND BREAKAWAY PER CITY OF MILWAUKIE STANDARD DETAIL 525 WHERE NEEDED.
	7. INSTALL ASPHALT CONCRETE. THICKNESS PER THE FOLLOWING:
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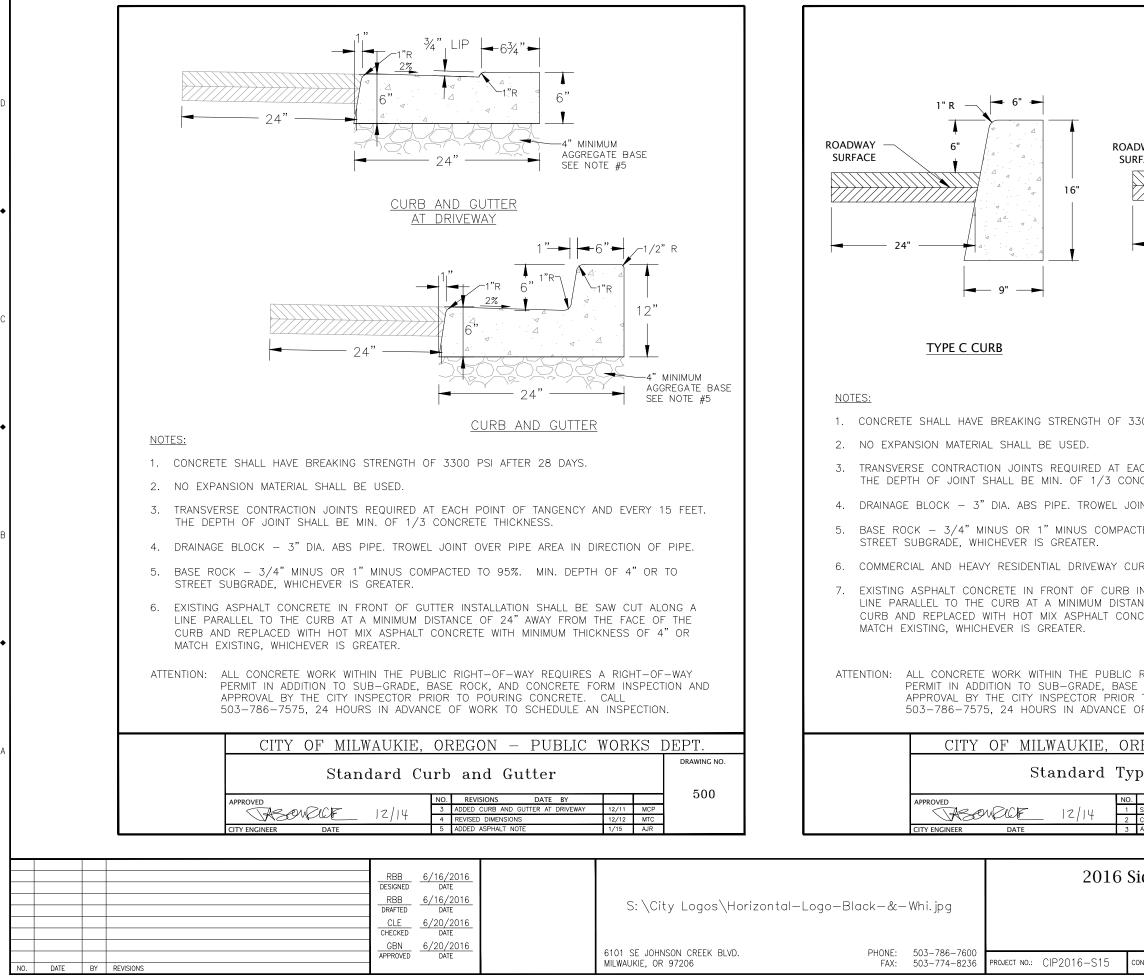
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SE VAN WATER STREET AND SE 32ND AVENUE

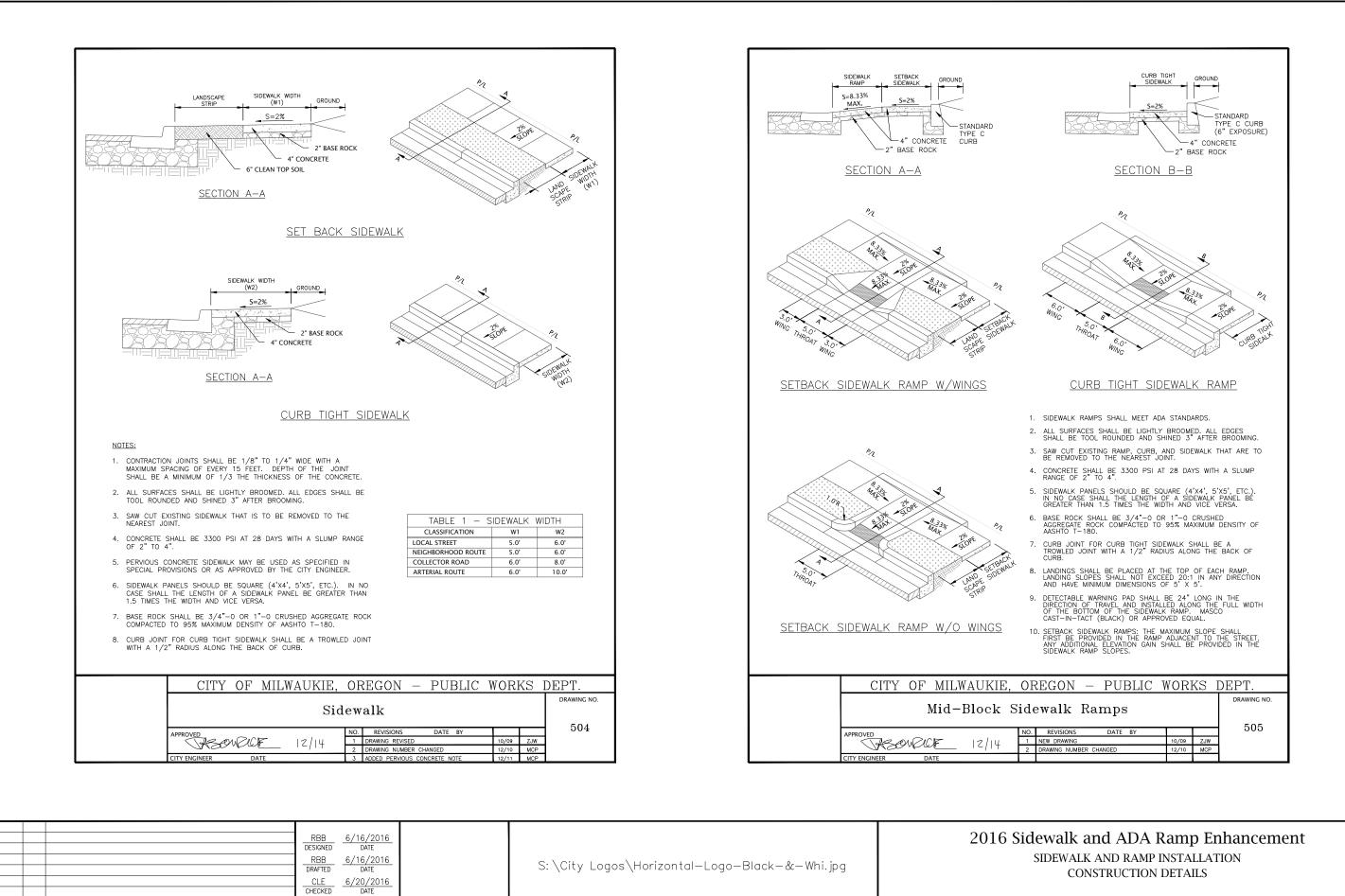
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CURB AT DRIVEWAY	
300 PSI AFTER 28 DAYS.	
CH POINT OF TANGENCY AND EVERY 15 FEET. CRETE THICKNESS.	
INT OVER PIPE AREA IN DIRECTION OF PIPE.	
TED TO 95%. MIN. DEPTH OF 4" OR TO	
RB MAY REQUIRE 2-#4 REBARS.	
NSTALLATION SHALL BE SAW CUT ALONG A NCE OF 24" AWAY FROM THE FACE OF THE CRETE WITH MINIMUM THICKNESS OF 4" OR	
RIGHT-OF-WAY REQUIRES A RIGHT-OF-WAY ROCK, AND CONCRETE FORM INSPECTION AND TO POURING CONCRETE. CALL OF WORK TO SCHEDULE AN INSPECTION.	
EGON – PUBLIC WORKS DEPT.	
pe C Curb	
REVISIONS DATE BY 501	
CHANGED CURB HEIGHT AT DRIVEWAY 12/12 MTC ADDED ASPHALT CUT NOTE 1/15 AJR	
idewalk and ADA Ramp Enhancement SIDEWALK AND RAMP INSTALLATION CONSTRUCTION DETAILS	
INTRACT NO.: DT2	



PHONE: 503-786-7600

FAX: 503-774-8236

PROJECT NO .: CIP2016-S15

6101 SE JOHNSON CREEK BLVD.

MILWAUKIE, OR 97206

6/20/2016 DATE

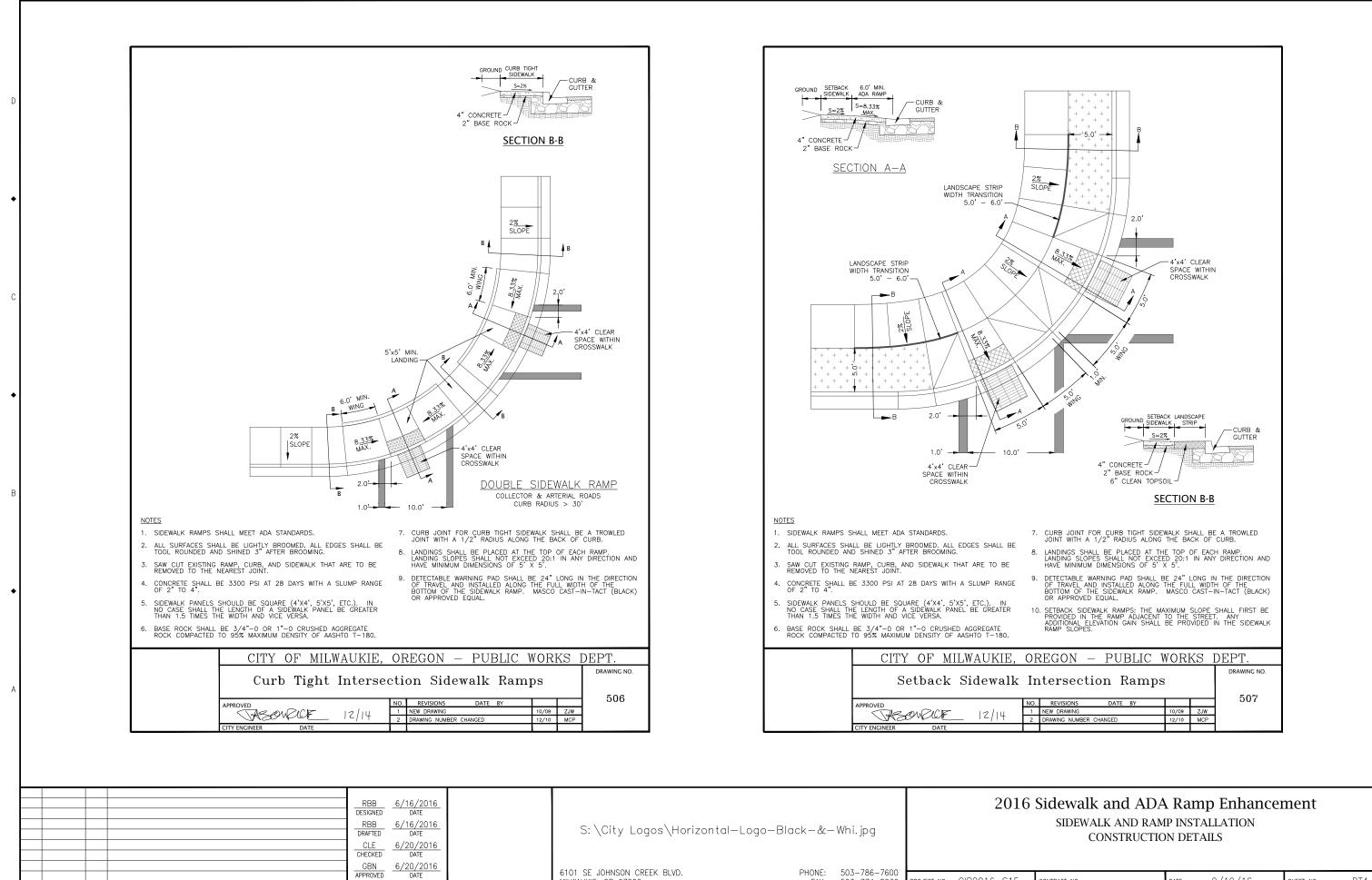
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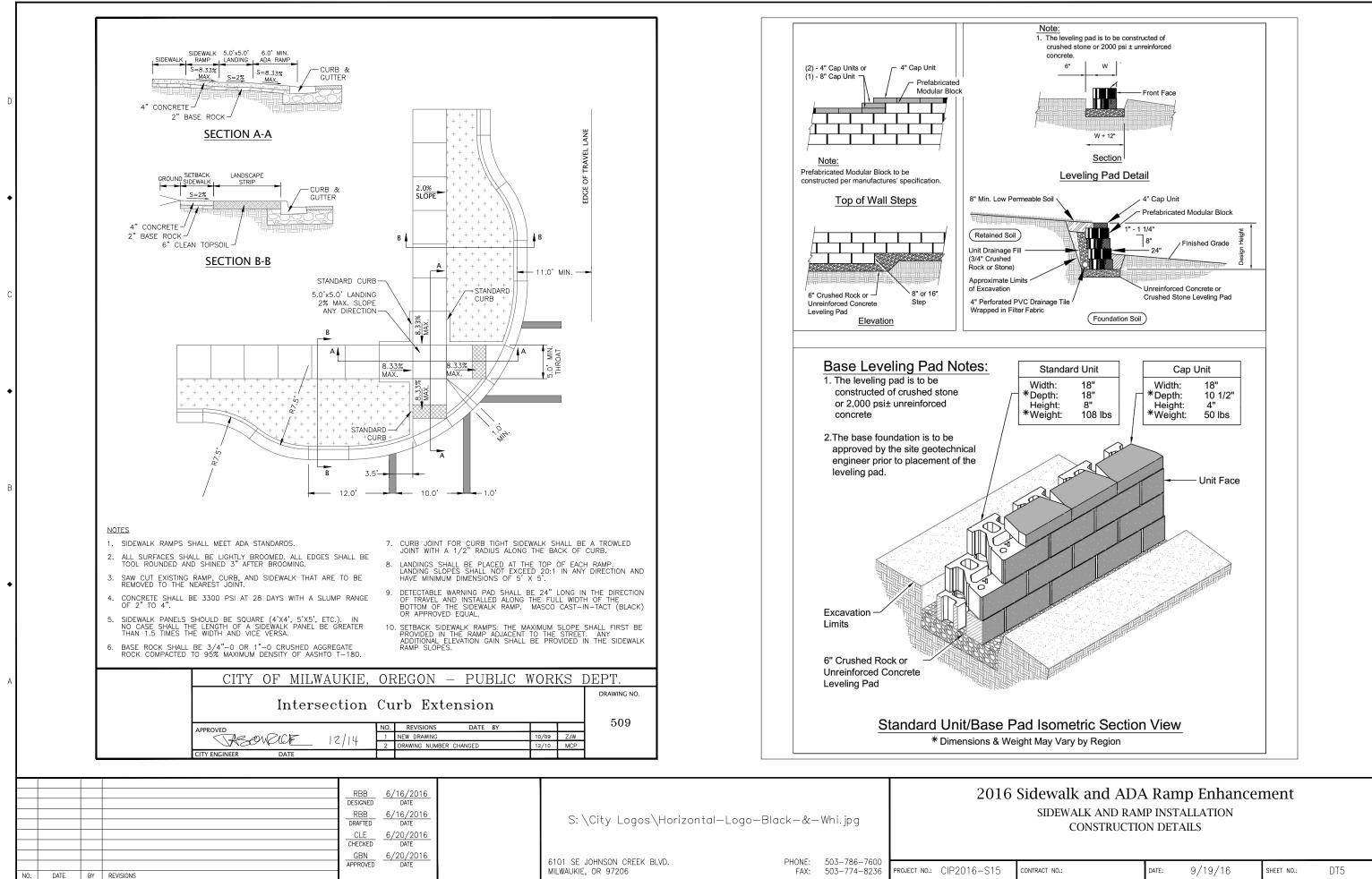
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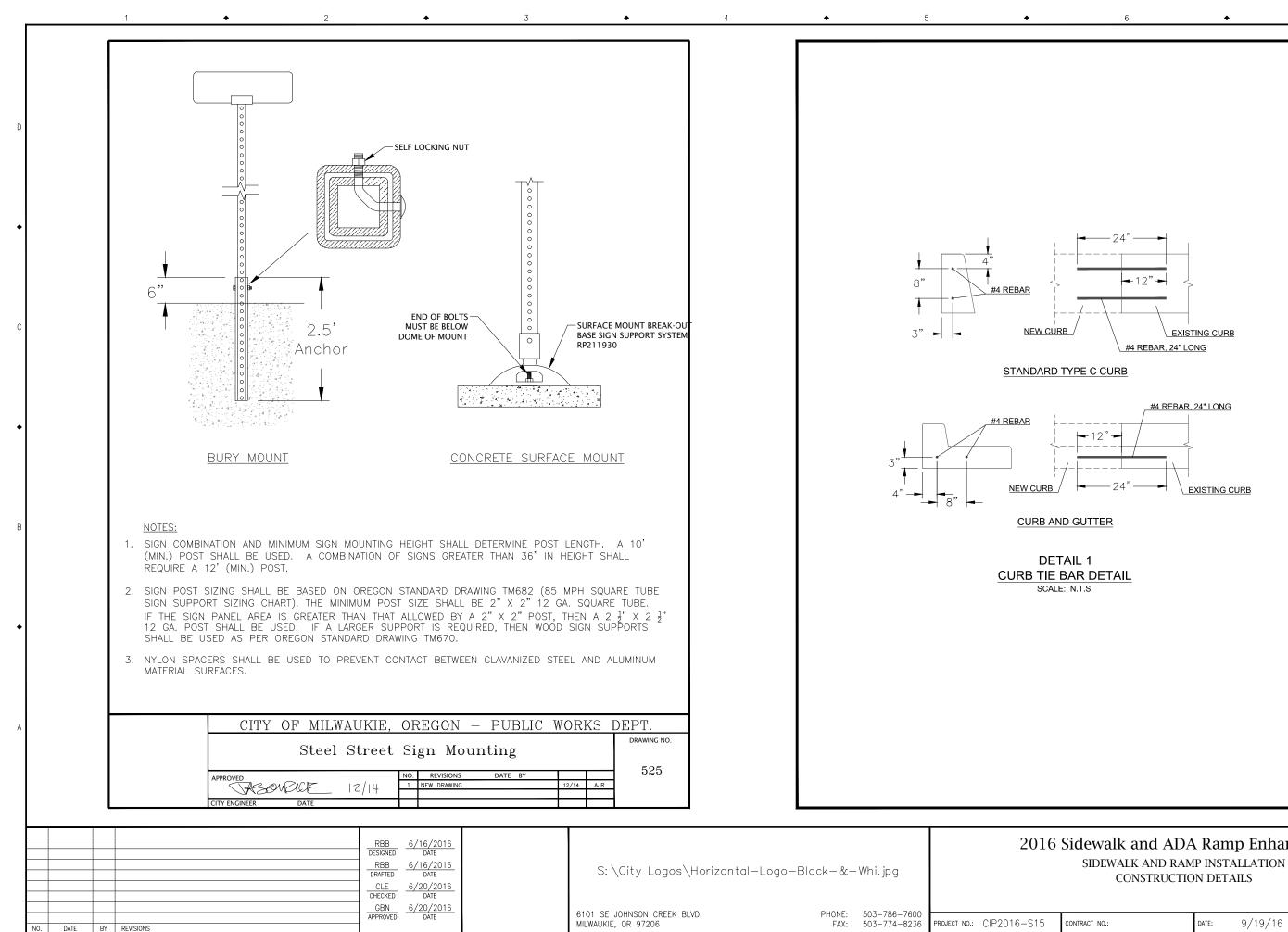


CUNTRACT NO.: DI4	CONTRACT NO.:	DATE:		SHEET NO .:	DT4
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PROJECT NO.: CIP2016-S15

FAX: 503-774-8236







2016 Sidewalk and ADA Ramp Enhancement

CONTRACT NO.:	DATE:	9/19/16	SHEET NO.:	DT6