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

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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 |
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| 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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| | | GBN 6/20/2016 | 6101 SE JOHNSON CREEK BLVD. | PHONE: 503-786-7600 | |
| NO. | DATE BY REVISIONS | APPROVED DATE | MILWAUKIE, OR 97206 | | CIP2016-S15 COM |
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GENERAL REQUIREMENTS NOTES

| E OF CONTENTS |
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| SHEET TITLE |
| COVER SHEET |
| NOTES SHEET |
| NTION AND SEDIMENTATION CONTROL PLAN |
| NTION AND SEDIMENTATION CONTROL PLAN |
| TRAFFIC CONTROL PLAN |
| KE ROAD AND SE 38TH AVENUE |
| 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 |
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| | <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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D. UNLESS OTHERWISE TO BE DELINEATED WITH

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ROPRIATE BMPS; SOIL MUST BE

VAY, OR OTHER PROPERTIES.

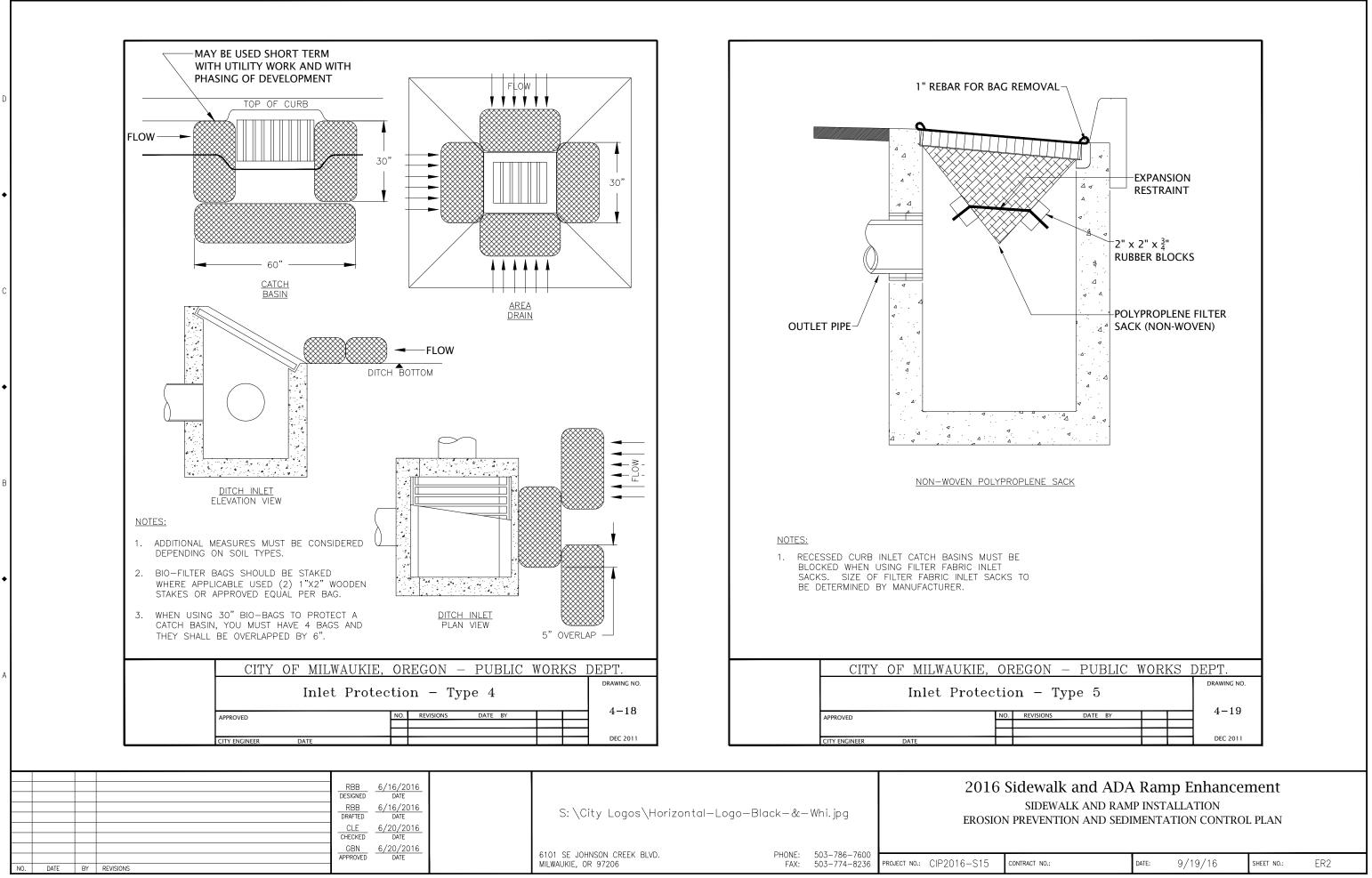
TO MAINTAIN COMPLIANCE

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SIDEWALK AND RAMP INSTALLATION EVENTION AND SEDIMENTATION CONTROL PLAN

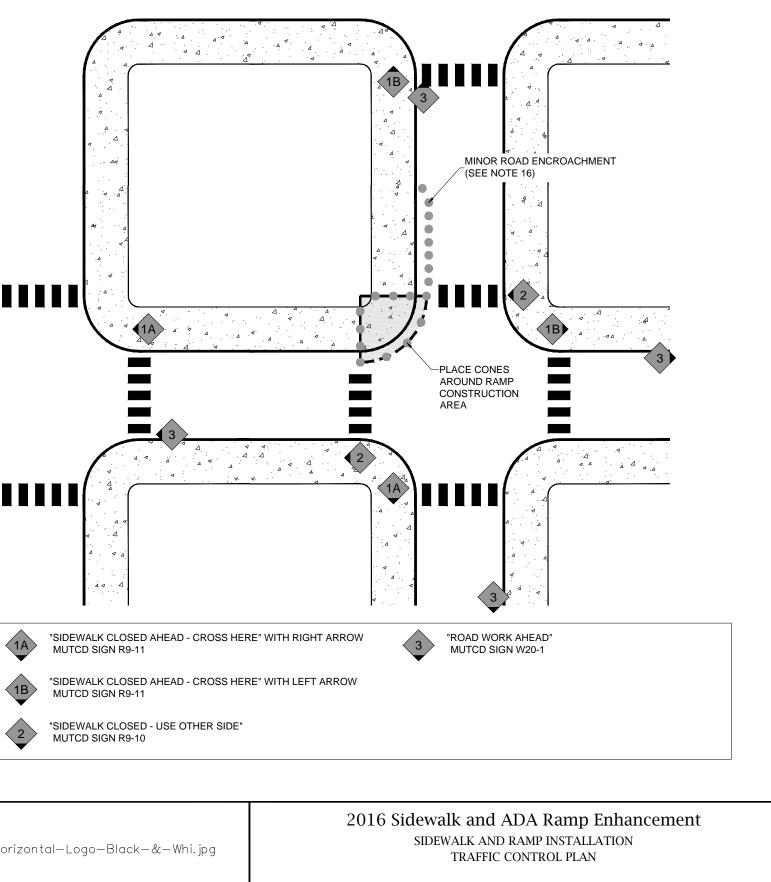
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TRAFFIC CONTROL REQUIREMENTS NOTES

- 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.



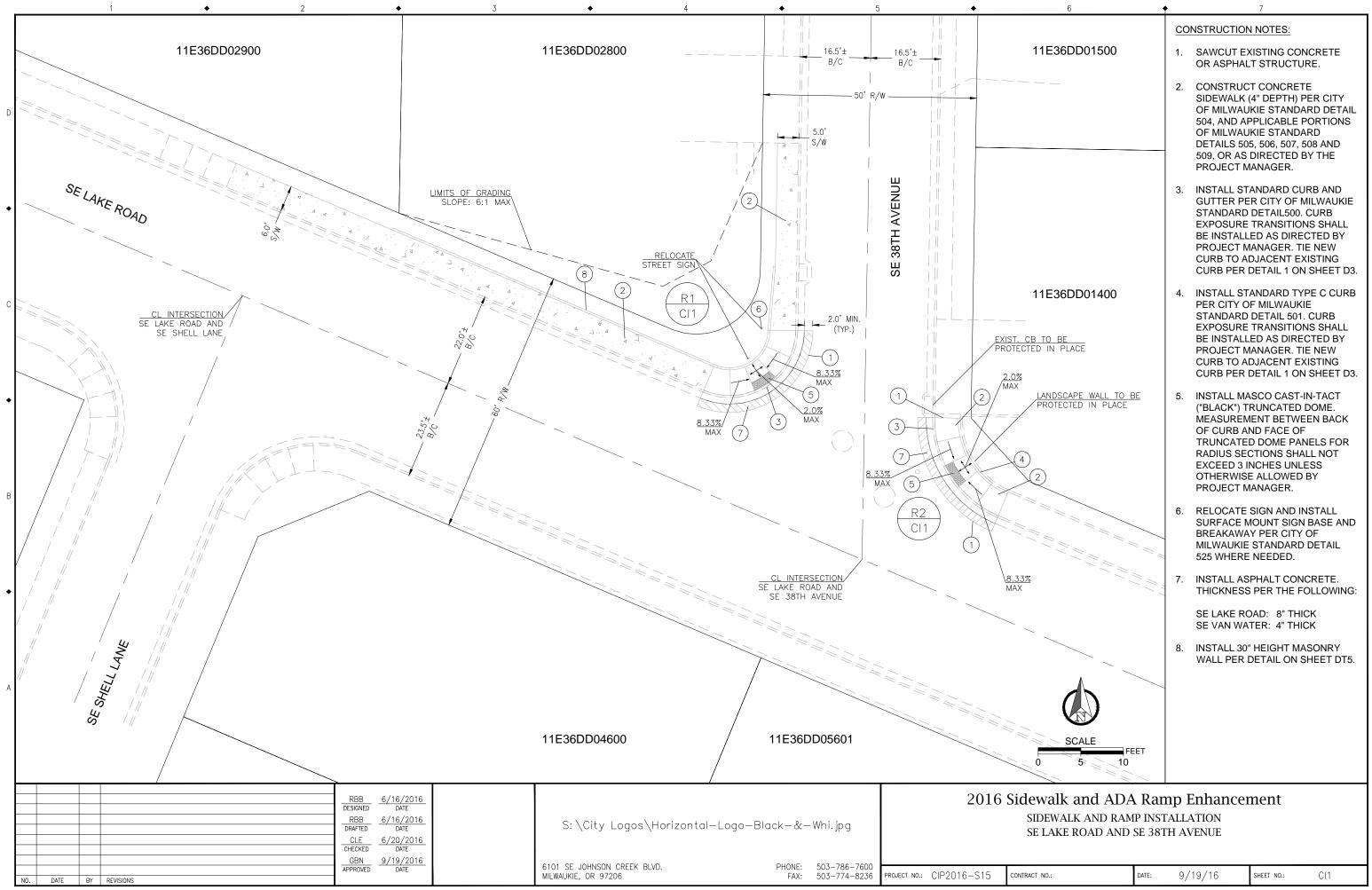




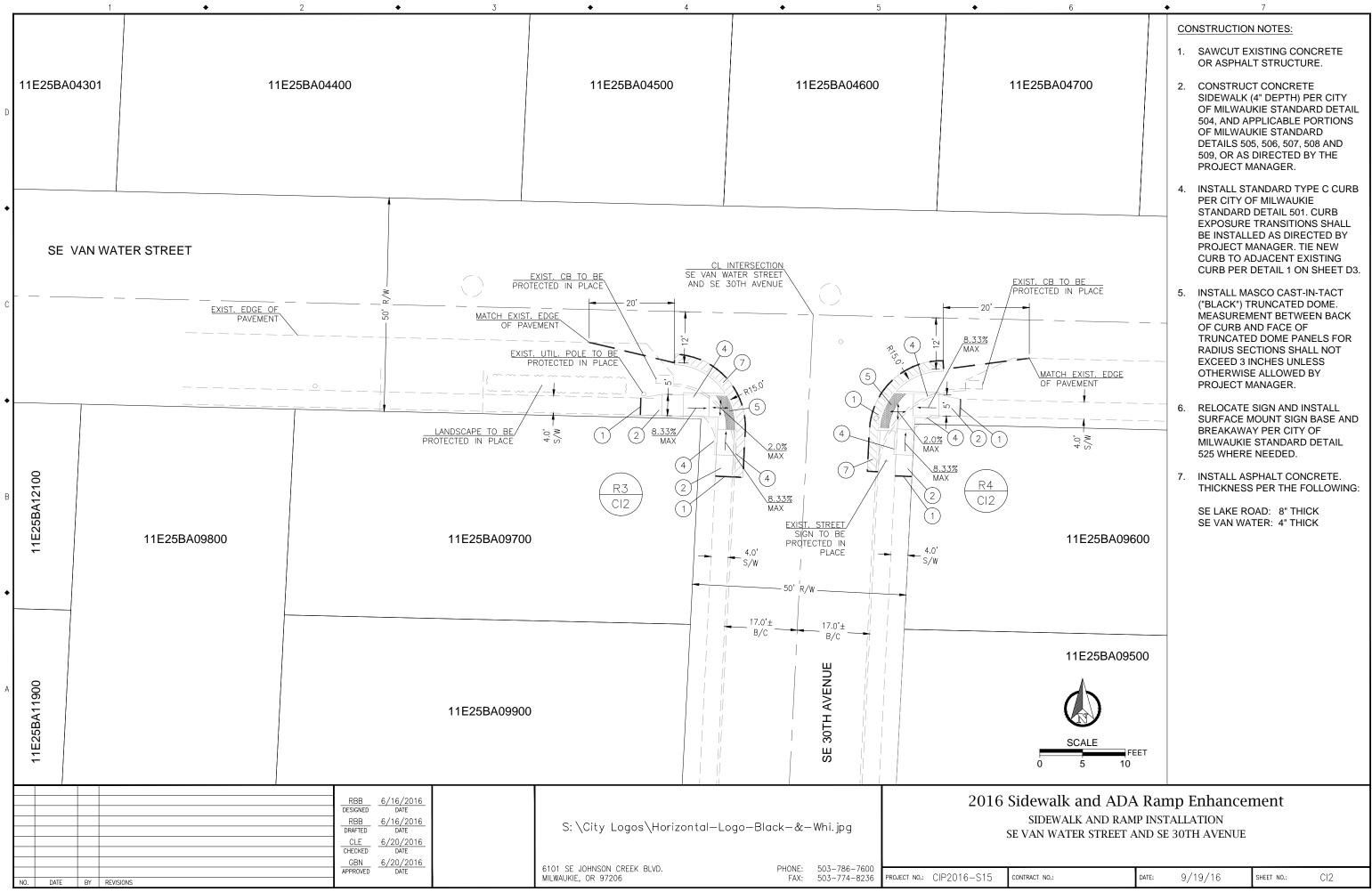
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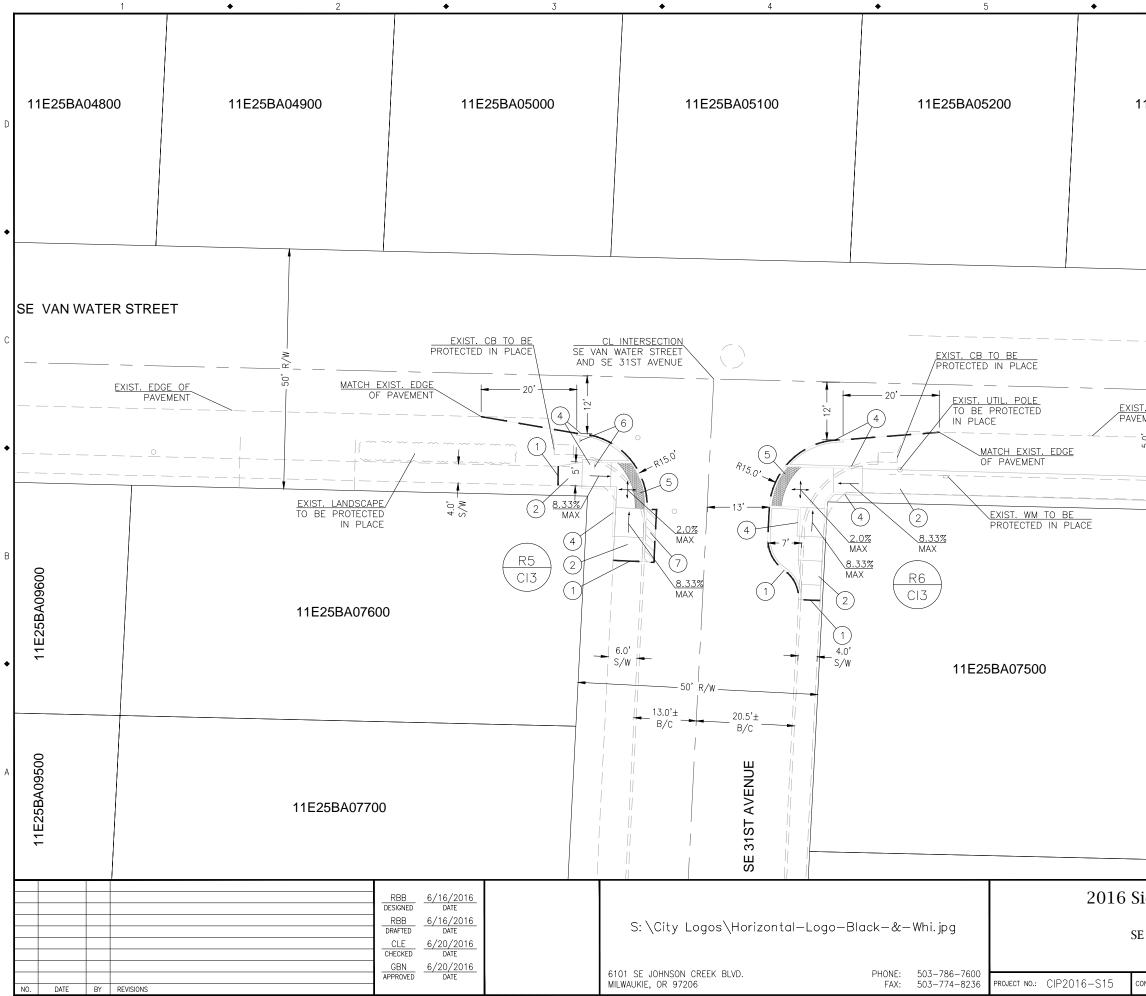
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| CONTRACT NO.: | DATE: | 9/19/16 | SHEET NO .: | CI2 |
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| | <u>c</u> | CONSTRUCTION NOTES: |
| | 1. | . SAWCUT EXISTING CONCRETE OR ASPHALT STRUCTURE. |
| 1E25BA05300 | 2 | CONSTRUCT CONCRETE SIDEWALK (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 |

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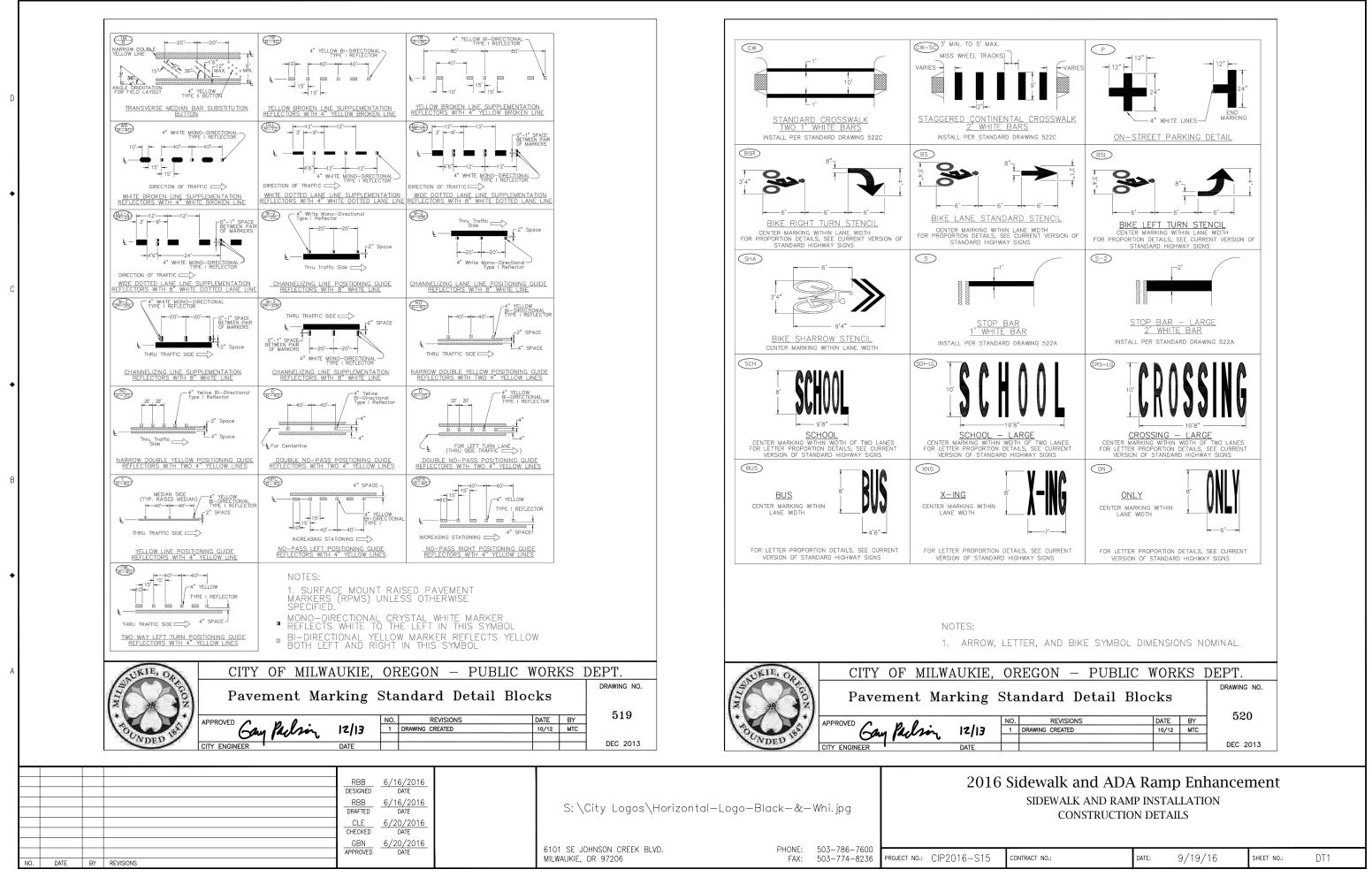
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| | 4. INSTALL STANDARD TYPE C CURB PER CITY OF MILWAUKIE STANDARD DETAIL 501. CURB EXPOSURE TRANSITIONS SHALL BE INSTALLED AS DIRECTED BY PROJECT MANAGER. TIE NEW CURB TO ADJACENT EXISTING CURB PER DETAIL 1 ON SHEET D3. |
| | 5. INSTALL MASCO CAST-IN-TACT ("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: |
| | SE LAKE ROAD: 8" THICK SE VAN WATER: 4" THICK |
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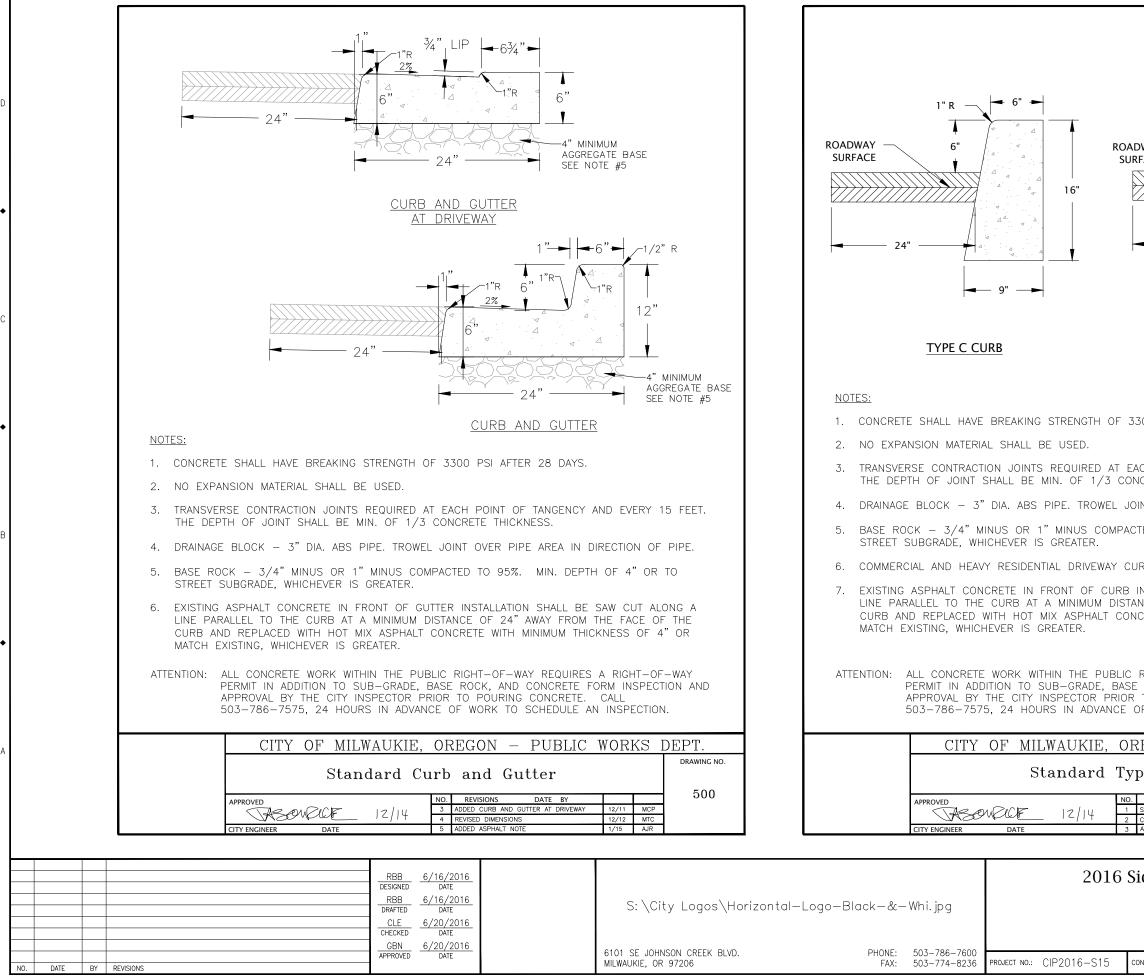
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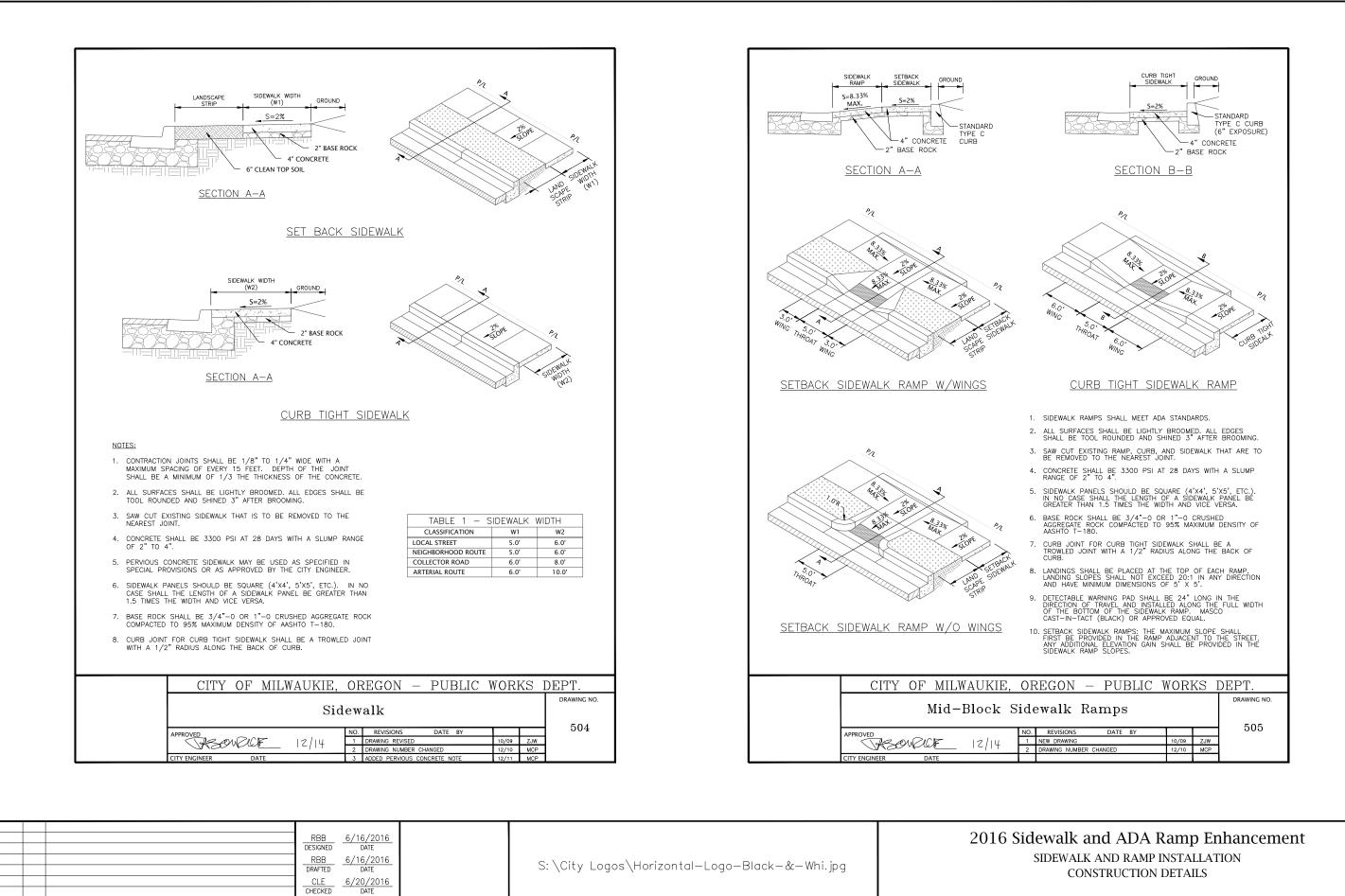
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| 3/4" LIP 6 3/4" FACE 1" R 4 4 < | |
|--|--|
| CURB AT DRIVEWAY | |
| 300 PSI AFTER 28 DAYS. | |
| CH POINT OF TANGENCY AND EVERY 15 FEET. CRETE THICKNESS. | |
| INT OVER PIPE AREA IN DIRECTION OF PIPE. | |
| TED TO 95%. MIN. DEPTH OF 4" OR TO | |
| 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

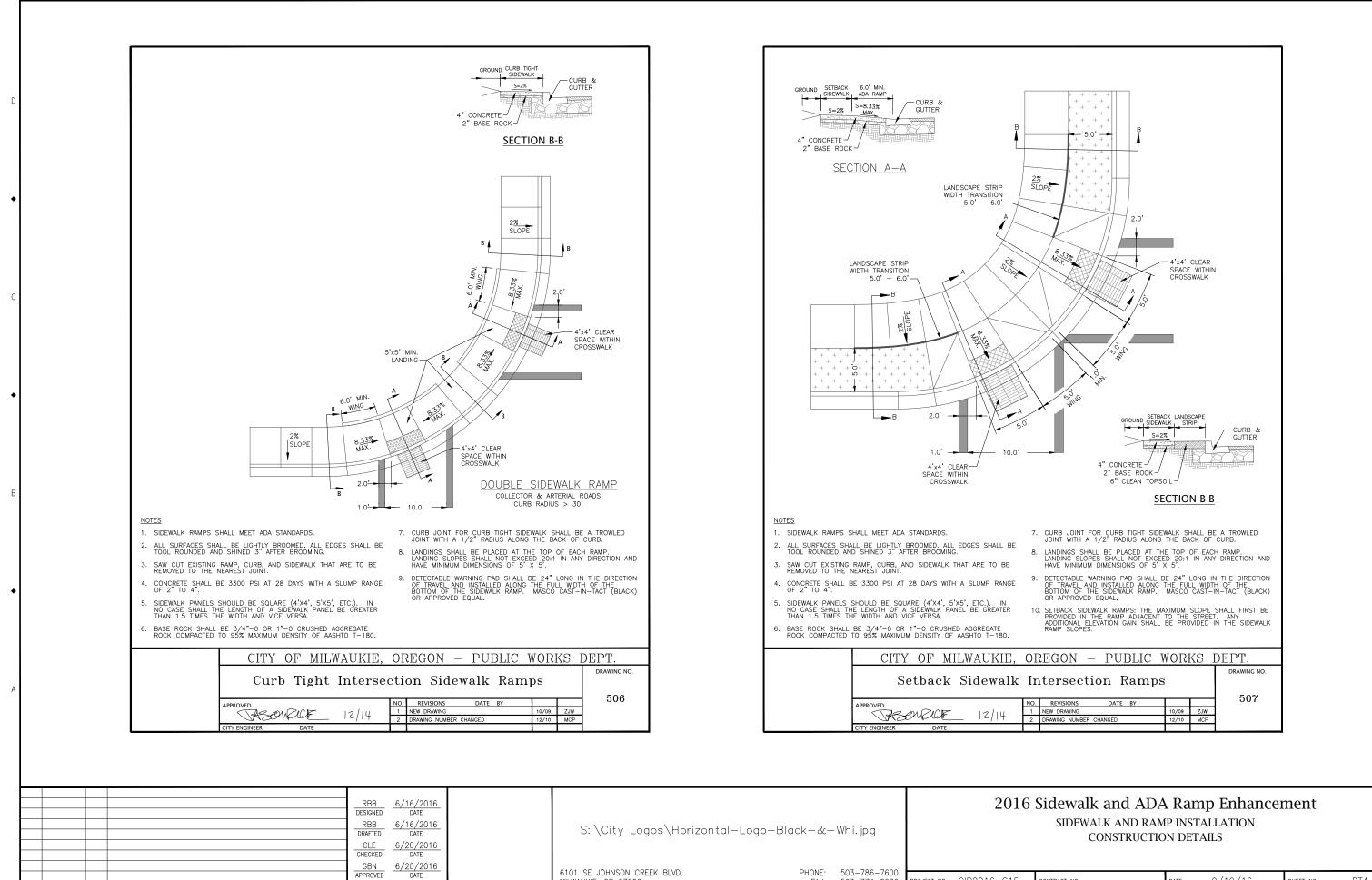
GBN

APPROVED

DATE BY REVISIONS

6

| CONTRACT NO.: | DATE: | 9/19/16 | SHEET NO .: | DT3 |
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| | bille. | 5/15/10 | SHEET NON | DIG |



MILWAUKIE, OR 97206

APPROVED

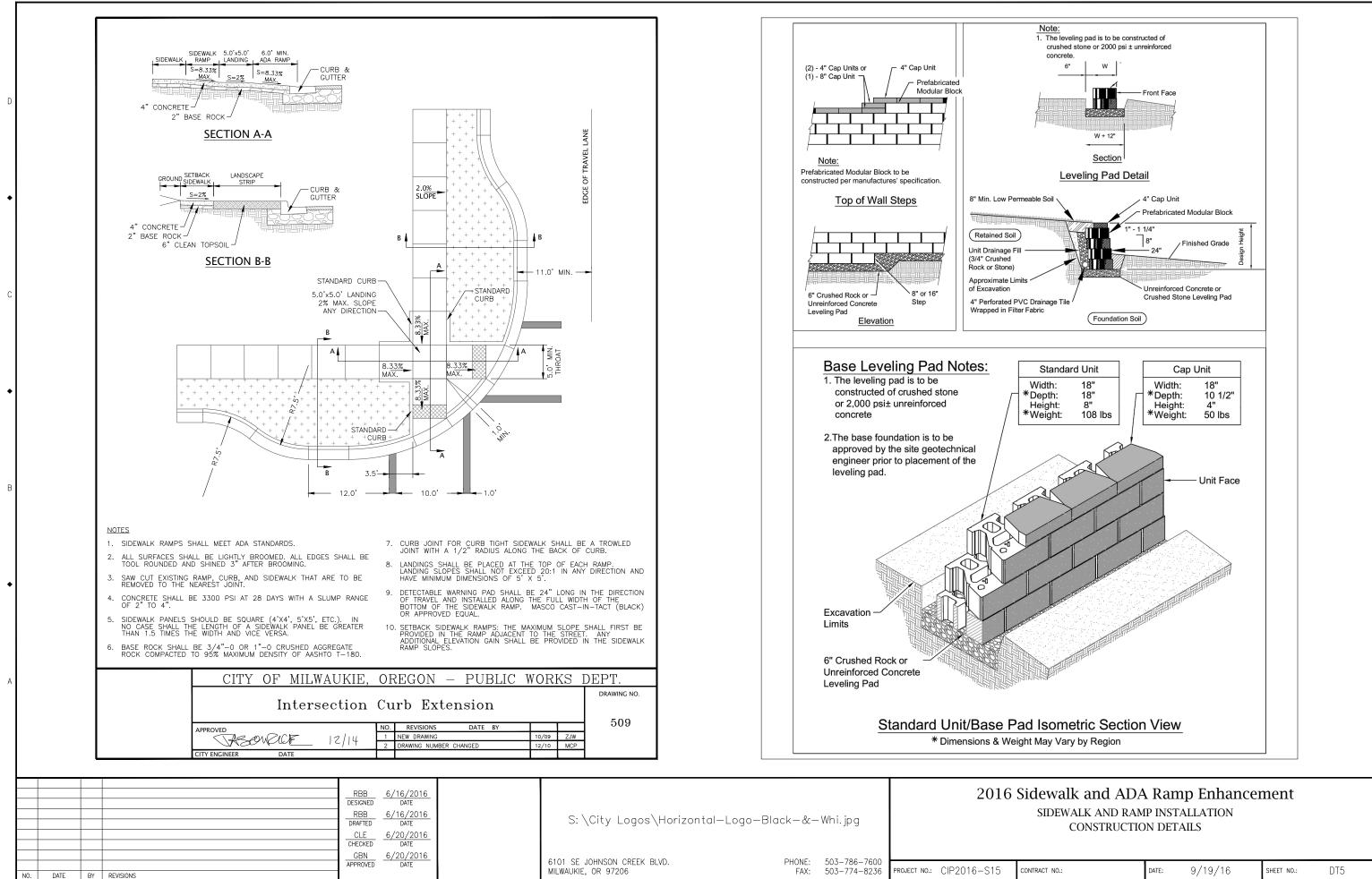
DATE BY REVISIONS

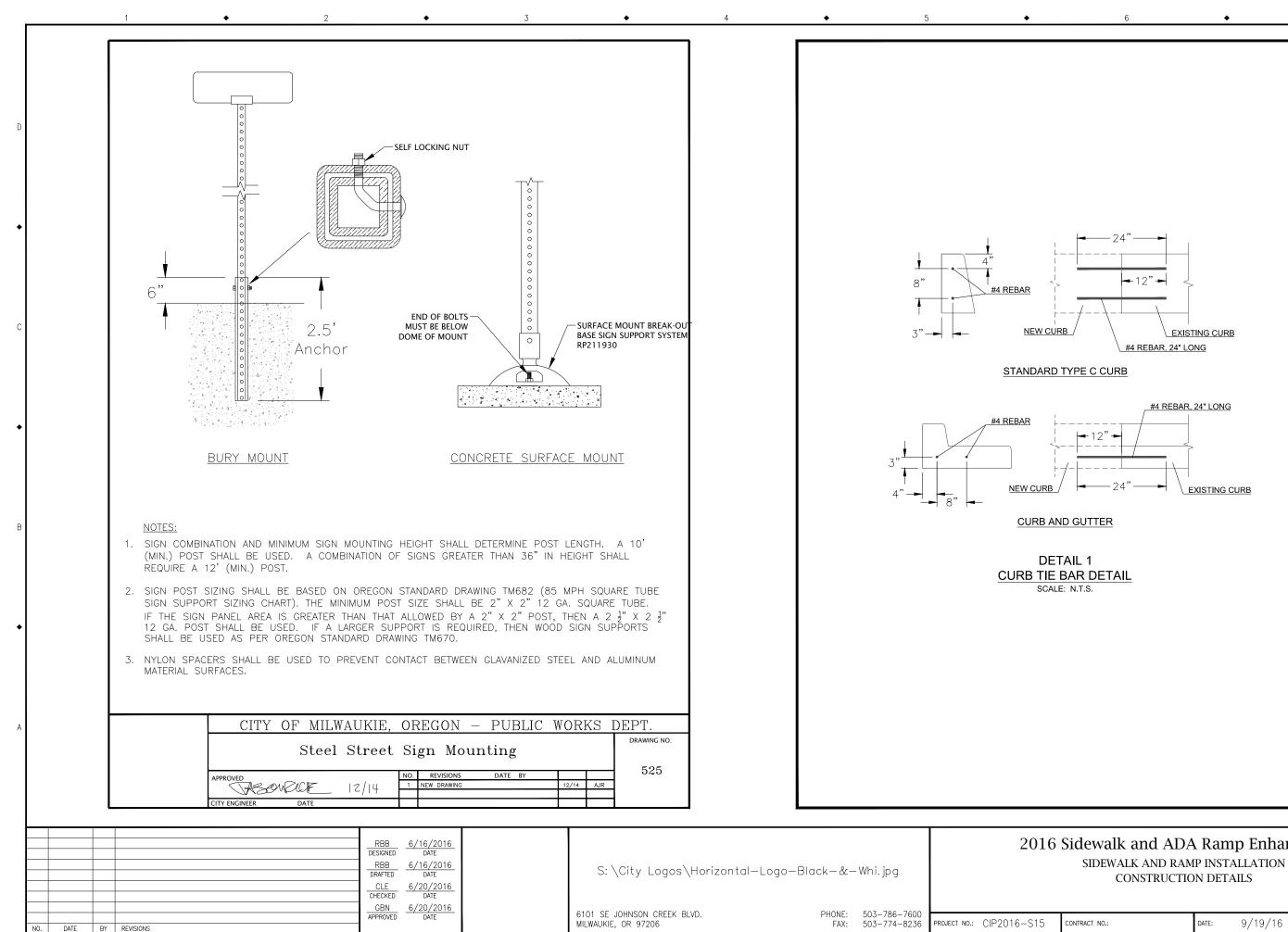


| CUNTRACT NO.: DI4 | CONTRACT NO.: | DATE: | | SHEET NO .: | DT4 |
|-------------------|---------------|-------|--|-------------|-----|
|-------------------|---------------|-------|--|-------------|-----|

PROJECT NO.: CIP2016-S15

FAX: 503-774-8236







2016 Sidewalk and ADA Ramp Enhancement

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