

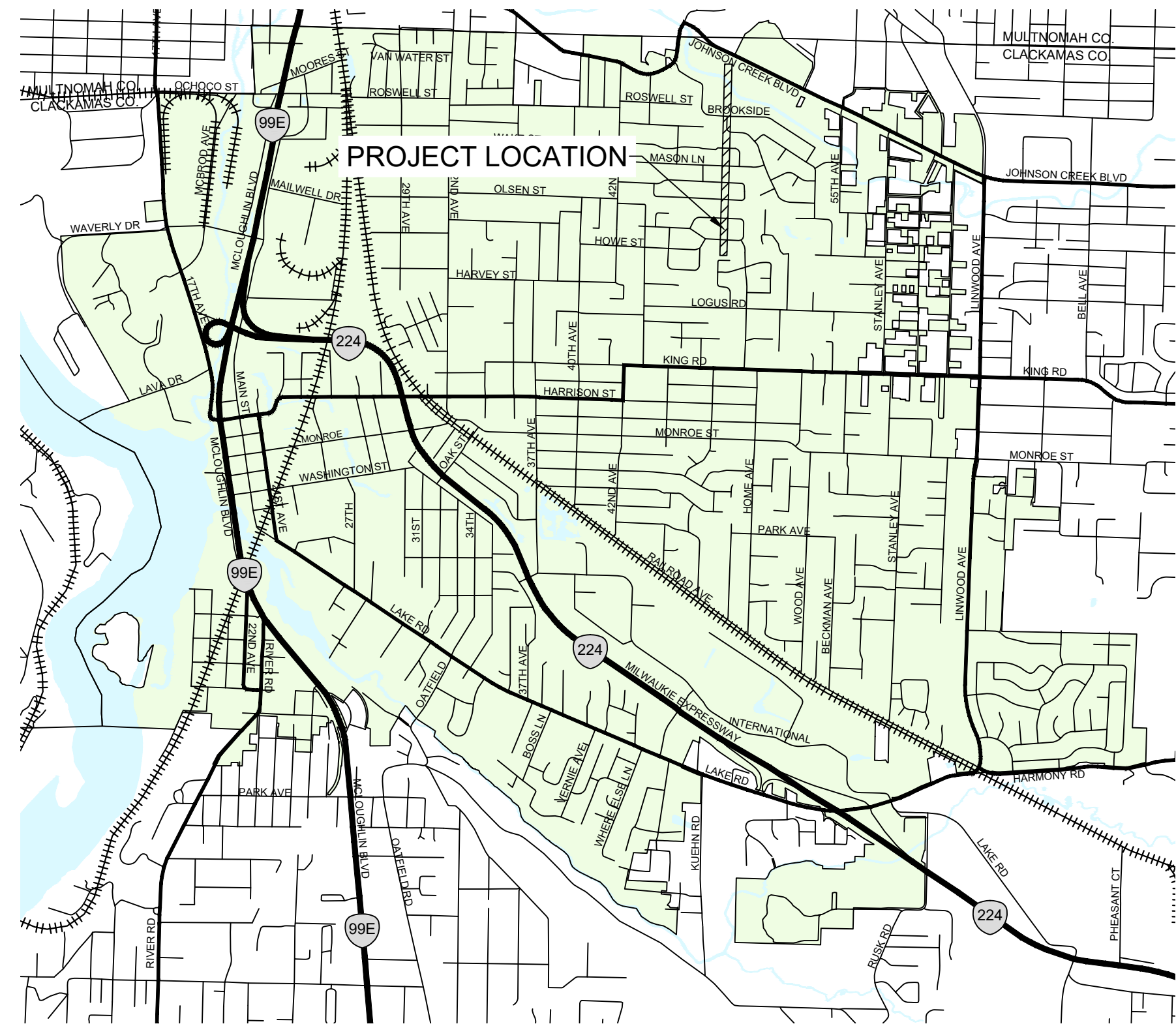
# CITY OF MILWAUKIE, OREGON

## 42ND AVENUE SAFE

### CIP 2020-A10



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



**PROJECT MAP**  
 Scale: N.T.S.

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



**PROJECT DESCRIPTION**

SIDEWALK RECONSTRUCTION AND SANITARY SEWER REPAIR.

**PROJECT MANAGER**

Name: Wendy Marshall, PE  
 Title: Civil Engineer  
 Phone Number: (503) 786-7694  
 Email Address: MarshallW@milwaukieoregon.gov

**DESIGN ENGINEER**

Name: Elizabeth Britell, PE  
 Title: Civil Engineer  
 Phone Number: (503) 786-7544  
 Email Address: BritellEB@milwaukieoregon.gov

**MILWAUKIE OPERATIONS**

Name: Emergency On-Call  
 Phone Number: (503) 348-8833

**INSPECTIONS**

Name: BuildingPermits.Oregon.gov  
 Phone Number: 1-888-299-2821

**PORTLAND GENERAL ELECTRIC**

Name: Jake Lang  
 Email Address: Jake.Lang@pgn.com  
 Phone Number: (503) 736-5404

**NORTHWEST NATURAL**

Name: Jeremy Lorence  
 Email Address: j21@nwnatural.com  
 Phone Number: (503) 226-4211

**LUMEN**

Name: David Dodd  
 Email Address: David.Dodd@lumen.com  
 Phone Number: (503) 242-8849

**COMCAST**

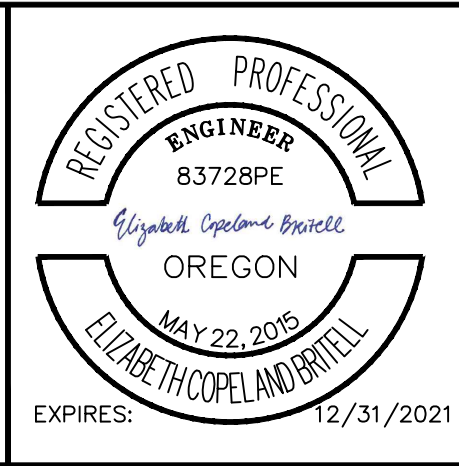
Name: Chad Vaughn  
 Phone Number (O): (503) 813-0484  
 Phone Number (C): (971) 801-5813

SHEET	SHEET TITLE
CV1	COVER SHEET
CV2	NOTES SHEET
CV3	NOTES SHEET
SR1	SURVEY
SR2	SURVEY
SR3	SURVEY
SR4	SURVEY
EC1	EROSION AND SEDIMENT CONTROL COVER SHEET
EC2	EROSION AND SEDIMENT CONTROL NOTES
EC3	EROSION AND SEDIMENT CONTROL PLAN
EC4	EROSION AND SEDIMENT CONTROL PLAN
EC4	EROSION AND SEDIMENT CONTROL PLAN
EC6	EROSION AND SEDIMENT CONTROL DETAILS
DM1	DEMOLITION PLAN
DM2	DEMOLITION PLAN
DM3	DEMOLITION PLAN
TR1	TRAFFIC CONTROL PLAN
TR2	TRAFFIC CONTROL PLAN
SW1	SIDEWALK PLAN
SW2	SIDEWALK PLAN
SW3	SIDEWALK PLAN
SW4	SIDEWALK GRADING DETAILS
SW5	SIDEWALK GRADING DETAILS
SW6	SIDEWALK GRADING DETAILS
SW7	SIDEWALK GRADING DETAILS
SW8	SIDEWALK GRADING DETAILS
SW9	SIDEWALK GRADING DETAILS
SW10	SPEED HUMP DETAILS
SW11	SIDEWALK DETAILS
SW12	SIDEWALK DETAILS
SN1	SIGNAGE AND STRIPING PLAN
SN2	SIGNAGE AND STRIPING PLAN
SN3	SIGNAGE AND STRIPING PLAN
SN4	SIGNAGE AND STRIPING DETAILS
SS1	SANITARY SEWER PLAN
SS2	SANITARY SEWER DETAILS

EXISTING	PROPOSED	
		CENTERLINE
		RIGHT-OF-WAY
		ASPHALT REPAIR
		CONCRETE
		WATER VALVE
		WATER METER
		FIRE HYDRANT
		SANITARY SEWER
		SANITARY SEWER MANHOLE
		STORM SEWER
		STORM SEWER MANHOLE
		STORM INLET
		GAS
		GAS VALVE
		OVERHEAD POWER
		UNDERGROUND POWER
		POWER POLE
		UNDERGROUND COMMUNICATION
		UNDERGROUND FIBER OPTIC
		UTILITY RISER
		UTILITY VAULT
		UTILITY METER
		STREET SIGN
		FENCE
		MAILBOX
		TREE

NO.	DATE	BY	REVISIONS

BCB 10/11/2019  
 DESIGNED DATE  
 BCB 04/05/2020  
 DRAFTED DATE  
 WLM/JAG 6/30/2020  
 CHECKED DATE  
 SRA 5/18/2021  
 APPROVED DATE



6101 SE JOHNSON CREEK BLVD.  
 MILWAUKIE, OR 97206  
 PHONE: 503-786-7600  
 FAX: 503-774-8236

**BID SCHEDULE A**  
 42ND AVENUE SAFE PROJECT  
 COVER SHEET

PROJECT NO.: CIP 2020-A10 CONTRACT NO.: DATE: 10/20/2020 SHEET NO.: CV1



**GENERAL NOTES:**

1. CONTRACTOR SHALL ADHERE TO THE CITY OF MILWAUKIE PUBLIC WORKS STANDARDS, CITY OF MILWAUKIE SUPPLEMENTAL STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND THE 2018 EDITION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, EXCEPT AS MODIFIED BY SPECIAL PROVISIONS PREPARED FOR THIS PROJECT. ACCEPTANCE BY THE CITY OF MATERIALS, CONSTRUCTION PROCEDURES, AND TESTING REQUIREMENTS ARE MANDATORY FOR HIS PROJECT.
2. CONTRACTOR SHALL SCHEDULE CONSTRUCTION IN A MANNER THAT ALLOWS THE CITY TIME TO WITNESS THE REQUIRED TESTING. CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS PRIOR TO TESTING. CONTRACTOR MUST PROVIDE IN WRITING, PRIOR TO CONSTRUCTION, THE PROPER MATERIAL CERTIFICATIONS. THE CONTRACTOR SHALL PAY AN INDEPENDENT TESTING LABORATORY FOR DENSITY AND COMPACTION TESTING. REQUIRED AIR TESTING, MANDREL TESTING, TELEVISION INSPECTION, AND VACUUM TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL REMOVE ALL MATERIALS EXCAVATED FROM WORK IN THE RIGHT-OF-WAY AND DISPOSE AT A PROPER LANDFILL. THE CONTRACTOR IS RESPONSIBLE FOR SECURING NECESSARY PERMITS FOR DISPOSAL.
4. ANY CONSTRUCTION OBSERVATION BY THE CITY, STATE, FEDERAL AGENCY, OR THE ENGINEER OF RECORD, SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, CITY STANDARDS, AND PROJECT CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL TAKE NO ADVANTAGE OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES IN THE PLANS. WHEN ERRORS, OMISSIONS OR DISCREPANCIES ARE FOUND, THE ENGINEER SHALL BE NOTIFIED. WORK PERFORMED BY THE CONTRACTOR AS A RESULT OF AN ERROR, OMISSION OR DISCREPANCY IN THE PLANS SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE WHEN SUCH ERROR, OMISSION, OR DISCREPANCY HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER.
6. THE CONTRACTOR SHALL HAVE AT ALL TIMES ON-SITE, THE APPROVED CONSTRUCTION PLANS & SPECIAL SPECIFICATIONS, CITY OF MILWAUKIE STANDARD SPECIFICATIONS & STANDARD PLANS, 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND ALL OTHER APPLICABLE SPECIFICATIONS BOOKS AND MANUALS.
7. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY OF MILWAUKIE ENGINEERING DEPARTMENT AFTER THE CITY APPROVES THE CONTRACT AND PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL PROVIDE TWO (2) WEEKS NOTICE TO SCHEDULE A PRE-CONSTRUCTION MEETING. THOSE WHO MAY ATTEND ARE: CITY, ENGINEER, FRANCHISE UTILITIES, AND THE CONTRACTOR.
8. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING ITEMS: LIST OF SUBCONTRACTORS; PROJECT SCHEDULE; TRAFFIC CONTROL PLAN; EMERGENCY CONTACT NAME AND PHONE NUMBER; SUBMITTALS AS REQUIRED.
9. PRIOR TO ORDERING ANY MATERIALS, THE CONTRACTOR SHALL PROVIDE TO THE CITY ALL THE MANUFACTURER'S SPECIFICATION SHEETS FOR MATERIALS TO BE USED.
10. THE CONTRACTOR SHALL ENSURE THEY HAVE ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
11. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS, AS MAY BE NECESSARY TO MEET THE INTENT OF THE PROJECT CONTRACT DOCUMENTS, APPLICABLE AGENCY REQUIREMENTS, AND OTHER WORK AS NECESSARY TO PROVIDE A COMPLETE PROJECT.
12. THERE SHALL BE NO ALTERATION OR VARIANCE FROM THE APPROVED PLANS WITHOUT APPROVAL OF THE CITY.
13. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY MATERIALS OR WORKMANSHIP THAT DOES NOT CONFORM TO THE CITY STANDARDS.

14. CONTRACTOR SHALL SCHEDULE 24-HOURS IN ADVANCE OF INSPECTION THROUGH OREGON E-PERMITTING BY CALLING THE INSPECTION LINE AT 1-(888) 299-2821 OR VISITING THE WEBSITE AT <https://aca-oregon.accela.com/oregon/>. SCHEDULE INSPECTIONS FOR THE FOLLOWING WORK: PUBLIC UTILITY EXCAVATION, INSTALLATION, CONNECTIONS, AND TESTING; CURB & SIDEWALK FORMS; FINAL INSPECTION.
16. THE CONTRACTOR SHALL ERECT AND MAINTAIN TRAFFIC CONTROL PER THE 2011 OREGON TEMPORARY TRAFFIC CONTROL HANDBOOK. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY FOR APPROVAL PRIOR TO THE START OF WORK.
17. FOR UNANTICIPATED CONTAMINATION ENCOUNTERED DURING CONSTRUCTION IN THE CITY RIGHT-OF-WAY: THE PERMITTEE/APPLICANT OR ITS AGENT SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE MANAGEMENT, AND DISPOSAL OF CONTAMINATED MEDIA ENCOUNTERED. THE PERMITTEE IS ALSO RESPONSIBLE FOR ALL RESULTANT DELAYS.
18. CONTRACTOR SHALL TAKE REASONABLE EFFORT IN THE PRESERVATION OF EXISTING IMPROVEMENTS, LANDSCAPING AND VEGETATION THROUGHOUT CONSTRUCTION. ANY LANDSCAPING/TREES DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED IN CONFORMANCE WITH CITY OF MILWAUKIE STANDARDS.
19. CONTRACTOR SHALL NOT USE THE PUBLIC RIGHT OF WAY FOR STORAGE OF EQUIPMENT, MATERIALS, CONSTRUCTION TRAILERS, AND CONSTRUCTION VEHICLES UNLESS OTHERWISE APPROVED. CONSTRUCTION VEHICLES SHALL PARK AT THE LOCATION(S) DETERMINED AT THE PRE-CONSTRUCTION MEETING.
20. IT IS THE OBLIGATION OF THE CONTRACTOR TO OBTAIN WRITTEN APPROVAL FROM PRIVATE PROPERTY OWNERS FOR USE OF PRIVATE PROPERTY FOR CONSTRUCTION STAGING AND TO RESTORE PRIVATE PROPERTY TO A CONDITION SATISFACTORY TO PROPERTY OWNER AT PROJECT COMPLETION. THE CONTRACTOR SHALL PROVIDE A COPY OF ALL AGREEMENTS SIGNED WITH PRIVATE PROPERTY OWNERS.
21. PROPERTY DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION.
22. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT "CLEAN AS-BUILT DRAWINGS" TO THE ENGINEER. "CLEAN AS-BUILT DRAWINGS" DOCUMENT ALL DEVIATIONS AND REVISIONS TO THE APPROVED PLANS; THEY SHALL ALSO RECORD A DESCRIPTION OF CONSTRUCTION MATERIALS ACTUALLY USED (PIPE MATERIAL, ETC.)

**SURVEY & LOCATES:**

1. OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 1-877-668-4001.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY AND ALL EXISTING UTILITIES AND OBTAINING UTILITY LOCATION PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT OREGON UTILITY NOTIFICATION CENTER 1-800-332-2344 AT LEAST TWO (2) BUSINESS DAYS AND NOT MORE THAN TEN (10) BUSINESS DAYS PRIOR TO AN EXCAVATION.
3. CONTRACTOR SHALL MAINTAIN ALL EXISTING BENCHMARKS, PROPERTY CORNERS, AND MONUMENTS. IF ANY SUCH POINTS ARE DISTURBED OR DESTROYED DURING CONSTRUCTION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, AND IF REQUIRED BY ORS 209, THE PROPERTY CORNERS AND OTHER SUCH MONUMENTS SHALL BE RESET BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING FACILITIES AND STUBS TO BE UTILIZED AND NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES WITH THE APPROVED PLAN.
5. PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE. THESE PLANS ARE NOT MEANT TO SERVE PROPERTY BOUNDARY SURVEY PURPOSES.
6. CONTRACTOR SHALL WORK TO PRESERVE ALL TEMPORARY SURVEY CONTROL POINTS, TEMPORARY BENCHMARKS, TEMPORARY GRADE STAKES, AND OTHER REFERENCE POINTS FOR AS LONG AS THEY ARE NEEDED FOR CONSTRUCTION ACTIVITIES. RE-STAKING DUE TO CONTRACTORS NEGLIGENCE WILL BE AT THE EXPENSE OF THE CONTRACTOR.

7. ALL STREET CENTERLINE MONUMENTS SHALL BE SET IN MONUMENT CASES THAT CONFORM TO CITY OF MILWAUKIE SPECIFICATIONS.

**STREETS:**

1. THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES, MANHOLES AND WATER METER BOXES TO FINISHED STREET, DRIVEWAY, OR SIDEWALK GRADE.
2. THE CONTRACTOR SHALL SAWCUT STRAIGHT MATCHLINES TO CREATE A BUTT JOINT BETWEEN THE EXISTING PAVEMENT AND NEW PAVEMENT. SEAL JOINTS WITH RUBBERIZED SEALANT IMMEDIATELY FOLLOWING PAVING.
3. FINISH GRADES AT THE TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING GRADES, OR BE FEATHERED PAST JOINTS TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.
4. ALL EXCAVATIONS WITHIN A PAVED STREET OPEN TO TRAFFIC SHALL BE TEMPORARILY RESURFACED OR PLATED AT THE END OF EACH WORK DAY AND PRIOR TO ALLOWING VEHICULAR TRAFFIC ONTO EXCAVATED AREAS. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING, MAINTAINING, AND REMOVING TEMPORARY SURFACING MATERIALS. NO MEASUREMENT WILL BE MADE FOR TEMPORARY SURFACING MATERIALS AND IS CONSIDERED INCIDENTAL TO THE WORK.

NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019
	DATE
BCB DRAFTED	04/05/2020
	DATE
WLM/JAG CHECKED	6/30/2020
	DATE
SRA APPROVED	5/18/2021
	DATE




**CITY OF MILWAUKIE**

6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
NOTES SHEET

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: CV2
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**UTILITY NOTES:**

1. THE LOCATIONS, DEPTHS, AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THERE IS NO GUARANTEE OF ACCURACY OR COMPLETENESS. ADDITIONAL UTILITIES MAY EXIST WITHIN THE WORK AREA.
2. UTILITY LOCATIONS SHALL BE VERIFIED BY OREGON UTILITIES NOTIFICATION CENTER IMMEDIATELY PRIOR TO ANY EXCAVATION. NOTIFY PROJECT ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING UTILITY LOCATE MARKINGS FOR THE DURATION OF THE PROJECT AND SHALL BE RESPONSIBLE FOR LOCATING NEW UTILITIES PRIOR TO CITY ACCEPTANCE.
3. FOR ANY EXISTING UNDERGROUND UTILITY CONFLICTING WITH PROPOSED WORK DESCRIBED HEREIN, CONTRACTOR SHALL NOTIFY PROJECT ENGINEER OF THE CONFLICT.
4. EVERY NEW OR EXISTING SERVICE LINE THAT HAS ANY WORK DONE TO IT OR THE ADJACENT MAIN IS REQUIRED TO BE TELEVISION INSPECTED FROM THE CENTER OF MAIN OR MANHOLE TO THE HOME, BUILDING, OR OTHER STRUCTURE.
5. ALL PIPE LENGTHS SHOWN ARE HORIZONTAL DISTANCES AND SHALL BE CONSIDERED APPROXIMATE. FINAL LENGTHS ARE DETERMINED BY FIELD CONDITIONS.
6. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED UTILITIES USING MATERIALS AND METHODS APPROVED BY THE UTILITY OWNER. NO SERVICE INTERRUPTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN AGREEMENT WITH THE UTILITY PROVIDER.
7. FRANCHISE UTILITIES SHOWN ON THESE PLANS ARE FOR INFORMATION AND COORDINATION PURPOSES ONLY AND ARE NOT AUTHORIZED FOR INSTALLATION. UTILITY COMPANIES ARE REQUIRED TO SECURE PERMITS FROM THE CITY FOR ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
8. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. ABANDONED UTILITIES SHALL BE VERIFIED BY CITY STAFF PRIOR TO REMOVAL. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES WITH CONCRETE A MINIMUM OF TWO (2) FEET INTO THE PIPE.
9. ALL UTILITY CROSSINGS SHALL BE POTHOLED PRIOR TO EXCAVATION TO ALLOW FOR GRADE ADJUSTMENTS DUE TO ALIGNMENT CONFLICTS. THE USE OF BENDS TO AVOID ALIGNMENT CONFLICTS WILL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
10. ALL UTILITY POINTS OF CONNECTION TO THE EXISTING SYSTEM SHALL BE POTHOLED PRIOR TO THE START OF NEW UTILITY INSTALLATION TO VERIFY ALIGNMENT, DEPTH, PIPE SIZE, AND PIPE MATERIAL. THE CONTRACTOR SHALL ARRANGE A PRE-CONNECTION MEETING WITH THE CITY PRIOR TO THE START OF CONNECTION WORK.
11. EXISTING UTILITY SERVICES SHALL BE MAINTAINED AT ALL TIMES, WHEN SERVICE DISRUPTIONS ARE REQUIRED, CONTRACTOR SHALL NOTIFY AFFECTED BUSINESS OF THE DATE AND DURATION OF THE DISRUPTION A MINIMUM OF 48 HOURS IN ADVANCE OF THE DISRUPTION UNLESS OTHERWISE SPECIFIED.

**SANITARY SEWER:**

1. PVC SEWER PIPE SHALL BE CONNECTED TO CONCRETE MANHOLES BY MEANS OF AN APPROVED COUPLING WITH AN ELASTOMERIC GASKET. AN APPROVED WATER STOP OR FLEXIBLE SLEEVE.
2. PVC SEWER PIPE SHALL BE DEFLECTION TESTED NO LESS THAN 30-DAYS AFTER THE TRENCH BACKFILL AND COMPACTION HAS BEEN COMPLETED. THE TEST SHALL BE CONDUCTED BY PULLING AN APPROVED SOLID POINTED 95% OF AN INSIDE DIAMETER MANDREL THROUGH THE PIPELINE. LEAKAGE TESTS INCLUDE AN AIR TEST OF THE SEWER MAINS AND LATERALS AND A WATER EXFILTRATION TEST OR VACUUM TEST OF THE MANHOLES. CITY OF MILWAUKIE INSPECTOR SHALL BE PRESENT DURING TESTING.
3. SANITARY LATERAL LOCATIONS SHALL BE STAMPED WITH AN "S" ON THE CURB FACE FOR FUTURE LOCATION.
4. CONTRACTOR IS RESPONSIBLE FOR PRE- AND POST-CONSTRUCTION TV INSPECTION.

NO.	DATE	BY	REVISIONS

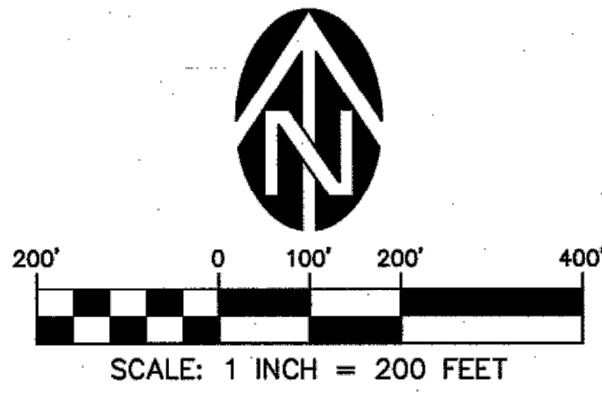
BCB	10/11/2019	
DESIGNED	DATE	
BCB	04/05/2020	
DRAFTED	DATE	
WLM/JAG	6/30/2020	CITY OF MILWAUKIE
CHECKED	DATE	
SRA	5/18/2021	6101 SE JOHNSON CREEK BLVD.
APPROVED	DATE	MILWAUKIE, OR 97206

PHONE: 503-786-7600  
 FAX: 503-774-8236

<b>BID SCHEDULE A</b>			
42ND AVENUE SAFE PROJECT			
NOTES SHEET			
PROJECT NO.:	CIP 2020-A10	CONTRACT NO.:	
DATE:	10/20/2020	SHEET NO.:	CV3



# SE 42ND AVENUE



**SHEET INDEX:**

- SHEET 1: COVER PAGE, LEGEND, BASIS OF BEARINGS & ELEVATION, UTILITY STATEMENT, NOTES
- SHEET 2: TOPOGRAPHY/RIGHT-OF-WAY OF SW HARVEY STREET/COURT TO SW HOWE STREET
- SHEET 3: TOPOGRAPHY/RIGHT-OF-WAY OF SE COVELL STREET TO SE WAKE COURT
- SHEET 4: TOPOGRAPHY/RIGHT-OF-WAY OF SE MEADOWCREST COURT TO SE JOHNSON CREEK BLVD

**BASIS OF COORDINATES:**

THE BASIS OF COORDINATES FOR THIS SURVEY WERE ESTABLISHED AT PROJECT POINT #1. POINT #1 BEING A SET 5/8 REBAR WITH RED PLASTIC CAP MARKED "CONTROL". COORDINATES WERE ESTABLISHED BY STATIC GPS OBSERVATION UTILIZING THE NATIONAL GEODETIC SURVEY (NGS) CONTINUOUS OPERATING REFERENCE STATIONS (CORS). THE CORS STATION USED WERE: WDBN PID-DE6433, AND JIME PID-DN2111. THE STATIC OBSERVATIONS WERE OBTAINED UTILIZING TRIMBLE R-10 RECEIVERS.

DATUM: NAD83, OREGON NORTH ZONE (3601), EPOCH 2010, INTERNATIONAL FEET.  
 POINT #1  
 NORTHING: 657780.667  
 EASTING: 7658096.486  
 COMBINED SCALE FACTOR (C.F.): 0.999902272252  
 MAPPING ANGLE: -1'30"12.605"

DISTANCES ARE SCALED TO GROUND ABOUT PROJECT POINT #1.

TO OBTAIN GRID DISTANCE MULTIPLY THE GROUND DISTANCE BY THE COMBINED SCALE FACTOR.  
 GRID DIST. = GROUND DIST. X C.F.

**BASIS OF BEARING:**

THE BASIS OF BEARING FOR THIS SURVEY WAS ESTABLISHED BETWEEN TWO (2) CORS STATIONS: JIME PID-DN2111, AND WDBN PID-DE6433.

BASIS OF BEARING: S11°50'08"E  
 GROUND DISTANCE BETWEEN SAID POINTS: 132124.207 FEET  
 GRID DISTANCE BETWEEN SAID POINTS: 132111.295 FEET

**BASIS OF ELEVATION:**

THE BASIS OF ELEVATION FOR THIS SURVEY WAS ESTABLISHED FROM NATIONAL GEODETIC SURVEY POINT DESIGNATION (B 723), PID RD1488.

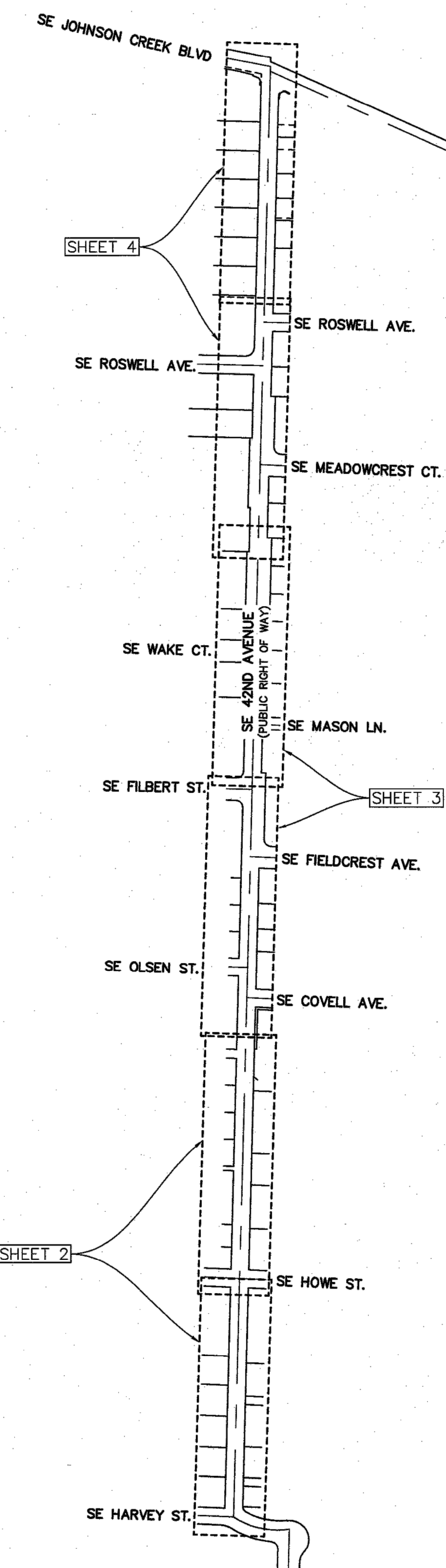
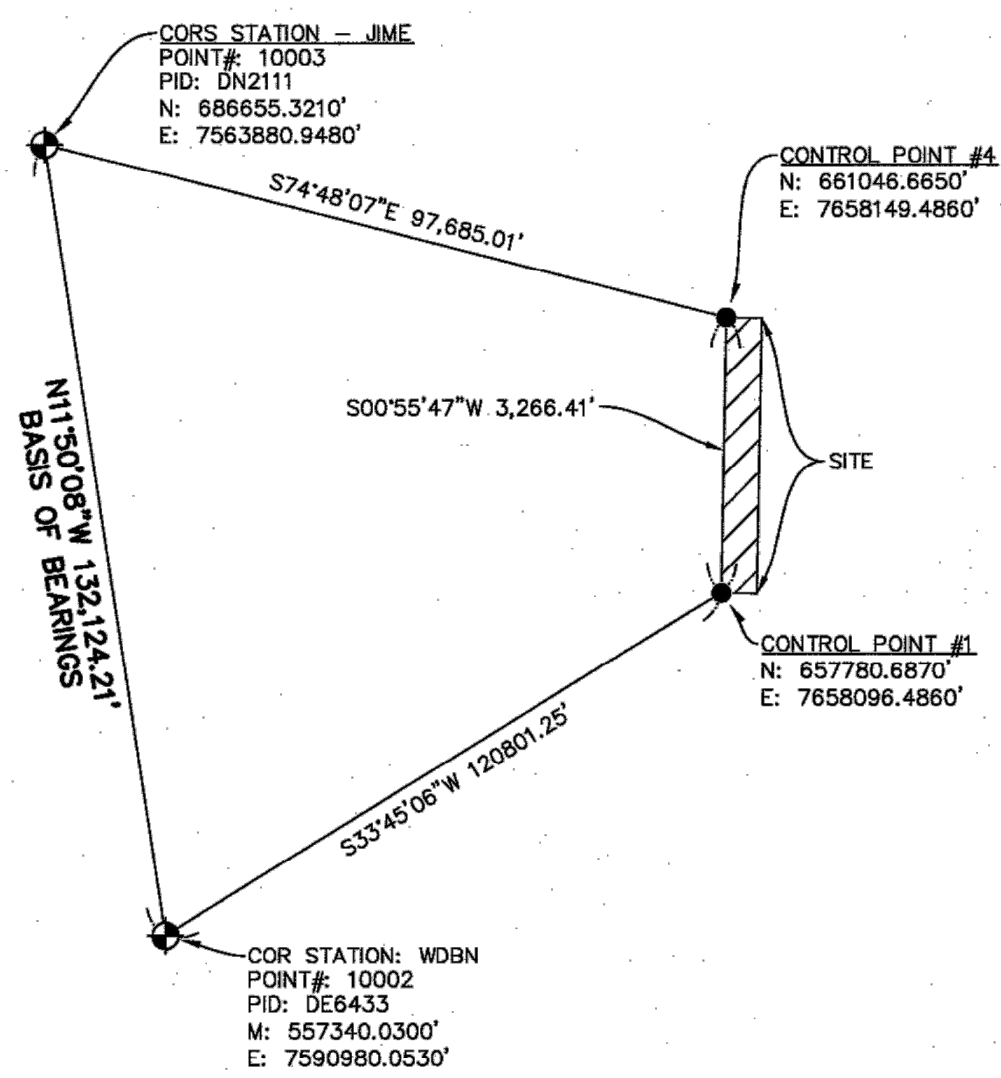
FOR THE PURPOSE OF THIS SURVEY THE BENCHMARK ELEVATION WAS LEVELLED TO PROJECT POINT NUMBER 50.

STATION ELEVATION: 97.93 FEET (NAVD88)

**CONTOUR INTERVALS:**

1 FOOT CONTOUR INTERVALS

**BASIS OF BEARINGS DETAIL**



**TOPOGRAPHY LEGEND:**

- |    |                        |          |                                 |
|----|------------------------|----------|---------------------------------|
| ○  | SANITARY SEWER MANHOLE | — OH —   | OVERHEAD LINES                  |
| ○  | CLEANOUT               | — SS —   | UNDERGROUND SANITARY SEWER LINE |
| ⊙  | STORM SEWER MANHOLE    | — SD —   | UNDERGROUND STORM DRAIN LINE    |
| ⊙  | CURB INLET             | — W —    | UNDERGROUND WATER LINE          |
| ⊙  | CATCH BASIN CENTER     | — P —    | UNDERGROUND POWER               |
| W  | WATER VALVE            | — G —    | UNDERGROUND GAS LINE            |
| W  | WATER METER            | — T —    | UNDERGROUND TELE-COM            |
| PH | FIRE HYDRANT           | — TV —   | UNDERGROUND CABLE TV LINE       |
| PH | GUY ANCHOR             | — X —    | FENCE AS NOTED                  |
| ○  | UTILITY POLE           | —        | EDGE OF PAVEMENT                |
| ○  | UTILITY RISER          | CBC      | CATCH BASIN CENTER              |
| ○  | UTILITY VAULT          | CI       | CURB INLET                      |
| ○  | UTILITY METER          | CONC.    | CONCRETE                        |
| ○  | ELECTRIC VAULT         | DOC. NO. | DOCUMENT NUMBER                 |
| ○  | ELECTRIC METER         | DWY      | DRIVEWAY                        |
| ○  | ELECTRIC LINE MARKER   | HCR      | HANDICAP RAMP                   |
| ○  | GAS LINE MARKER        | IP       | IRON PIPE                       |
| ○  | GAS METER              | IR       | IRON ROD                        |
| ○  | GAS VALVE              | NWN      | NORTHWEST NATURAL               |
| ○  | MAIL BOX               | SAMH     | SANITARY SEWER MANHOLE          |
| ○  | SIGN                   | SDMH     | STORM SEWER MANHOLE             |
| ○  | DECIDUOUS TREE         | SN       | SURVEY NUMBER                   |
| ○  | EVERGREEN TREE         | STL      | STEEL                           |
| ○  | CONCRETE               | TYP.     | TYPICAL                         |
| ○  | GRAVEL                 | W/OPC    | WITH AN ORANGE PLASTIC CAP      |
|    |                        | W/RPC    | WITH A RED PLASTIC CAP          |
|    |                        | W/YPC    | WITH A YELLOW PLASTIC CAP       |
|    |                        | ●        | CORS STATION POINTS             |
|    |                        | ●        | FOUND MONUMENT AS NOTED         |

**NOTES**

- WORK COMPLETED ON JULY 10, 2019
- RIGHT-OF-WAY RESOLUTION IS BASED ON THE FOLLOWING LISTED PLATS, RECORD OF SURVEYS, DEED DOCUMENTS AND TAX MAPS AND SHOULD BE USED AS A GRAPHIC REPRESENTATION ONLY

**PLATS**

- "CINDERELLA ADDITION" (PLAT 1044)
- "GLOVERLAND" (PLAT 0254)
- "MEADOW GARDEN ESTATES" (PLAT 2726)
- "MEADOWCREST" (PLAT 2930)
- "NASE ADDITION" (PLAT 0922)
- "P.P. NO. 1993-080"
- "P.P. NO. 2004-010"
- "WAKE COURT ESTATES"
- "WELLS ADDITION" (PLAT 1303)

**RECORD OF SURVEYS**

- SN 1376
- SN 1677
- SN 1709
- SN 2542 3408
- SN 3600
- SN 9193
- SN 11989
- SN 23691
- SN 1947-015
- SN 2003-238
- SN 2004-314

**TAX MAPS**

- 11E25AA
- 11E25AD
- 11E25DA
- 11E25DD
- 12E30BB
- 12E30CB
- 12E30CB

**DEED DOCUMENTS**

- 2003-065963
- 2003-065964
- 2003-120971
- 2014-056319
- 2016-089381
- BOOK 1975 PAGE 2571

**UTILITY STATEMENT**

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN MAPPED FROM FIELD SURVEY INFORMATION, OBSERVED ABOVE GROUND EVIDENCE AND GROUND FINDINGS BY OTHERS, AND EXISTING DRAWINGS SUPPLIED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

**WESTLAKE CONSULTANTS INC.**  
 ENGINEERING • SURVEYING • PLANNING  
 PACIFIC CORPORATE CENTER  
 15115 S.W. SEQUOIA PARKWAY, SUITE 160  
 TIGARD, OREGON 97224  
 (503) 684-0682  
 FAX (503) 684-0157

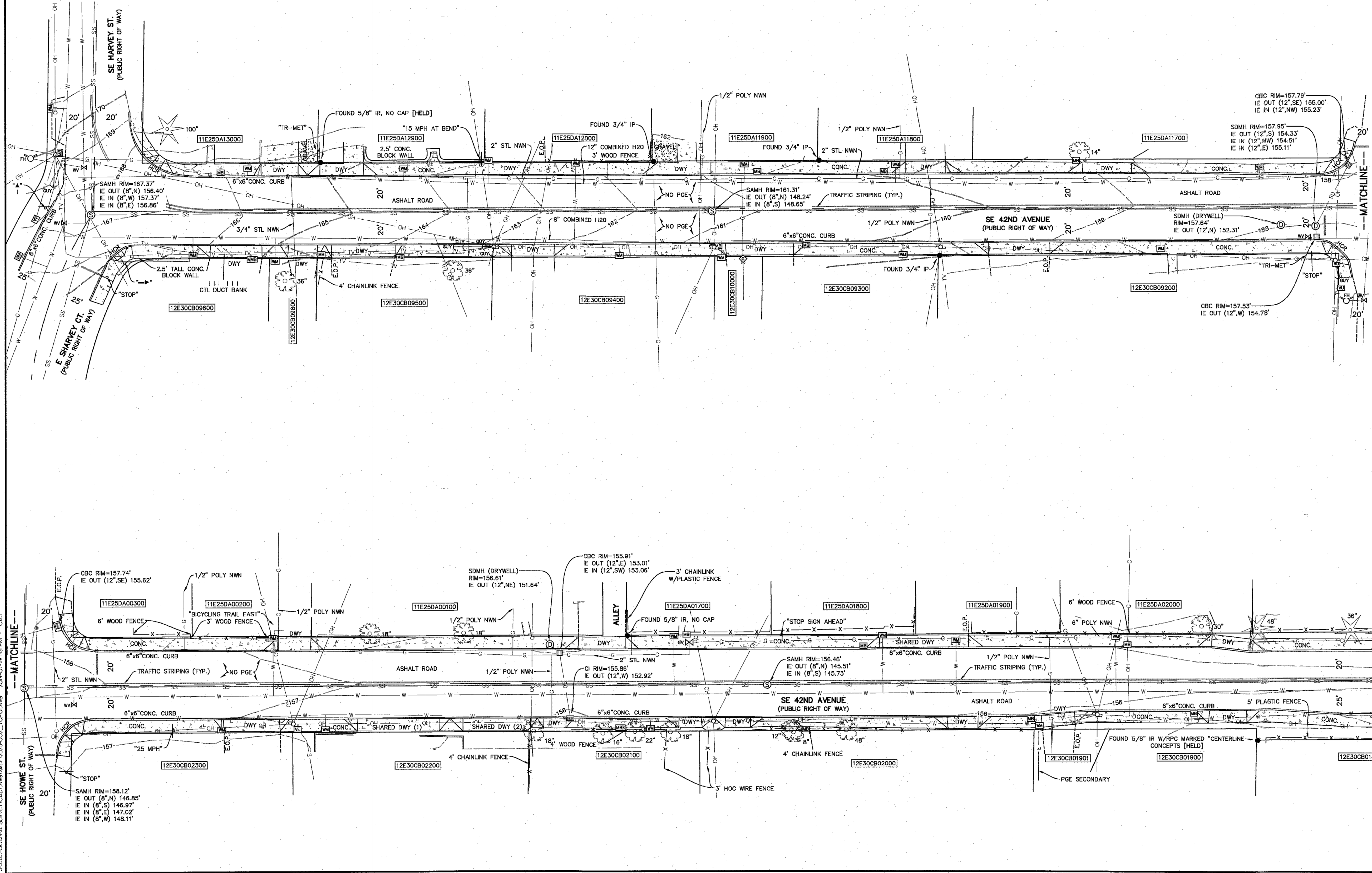
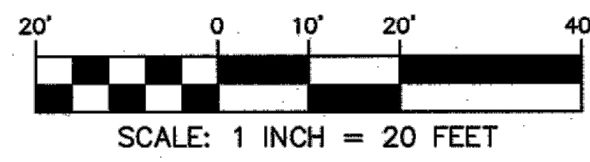
**TOPOGRAPHIC SURVEY**  
 CITY OF MILWAUKIE  
 IN THE NE AND SE 1/4 OF SECTION 25, T. 1 S., R. 1 E., W.M.  
 IN THE NW AND SW 1/4 OF SECTION 30, T. 1 S., R. 2 E., W.M.  
 CITY OF MILWAUKIE/PORTLAND  
 COUNTY OF CLATSOP

REGISTERED PROFESSIONAL LAND SURVEYOR  
 OREGON  
 JULY 25, 1990  
 GARY T. JOHNSON  
 2-3-4  
 RENEWS: 12-31-19

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NO.	DATE	DESCRIPTION
1	07/29/2019	INITIAL DRAFT RELEASE
0	07/26/2019	INITIAL DRAFT RELEASE





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TIGARD, OREGON 97224  
(503) 684-0652  
FAX (503) 684-0157

**TOPOGRAPHIC SURVEY**  
CITY OF MILWAUKIE

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IN THE NW AND SW 1/4 OF SECTION 30, T. 1 S., R. 2 E., W.M.  
CITY OF MILWAUKIE, PORTLAND  
COUNTY OF CLATSOP

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

OREGON  
JUL 23 2000  
GARY R. ANDERSON  
2434

REVISIONS: 12-31-19

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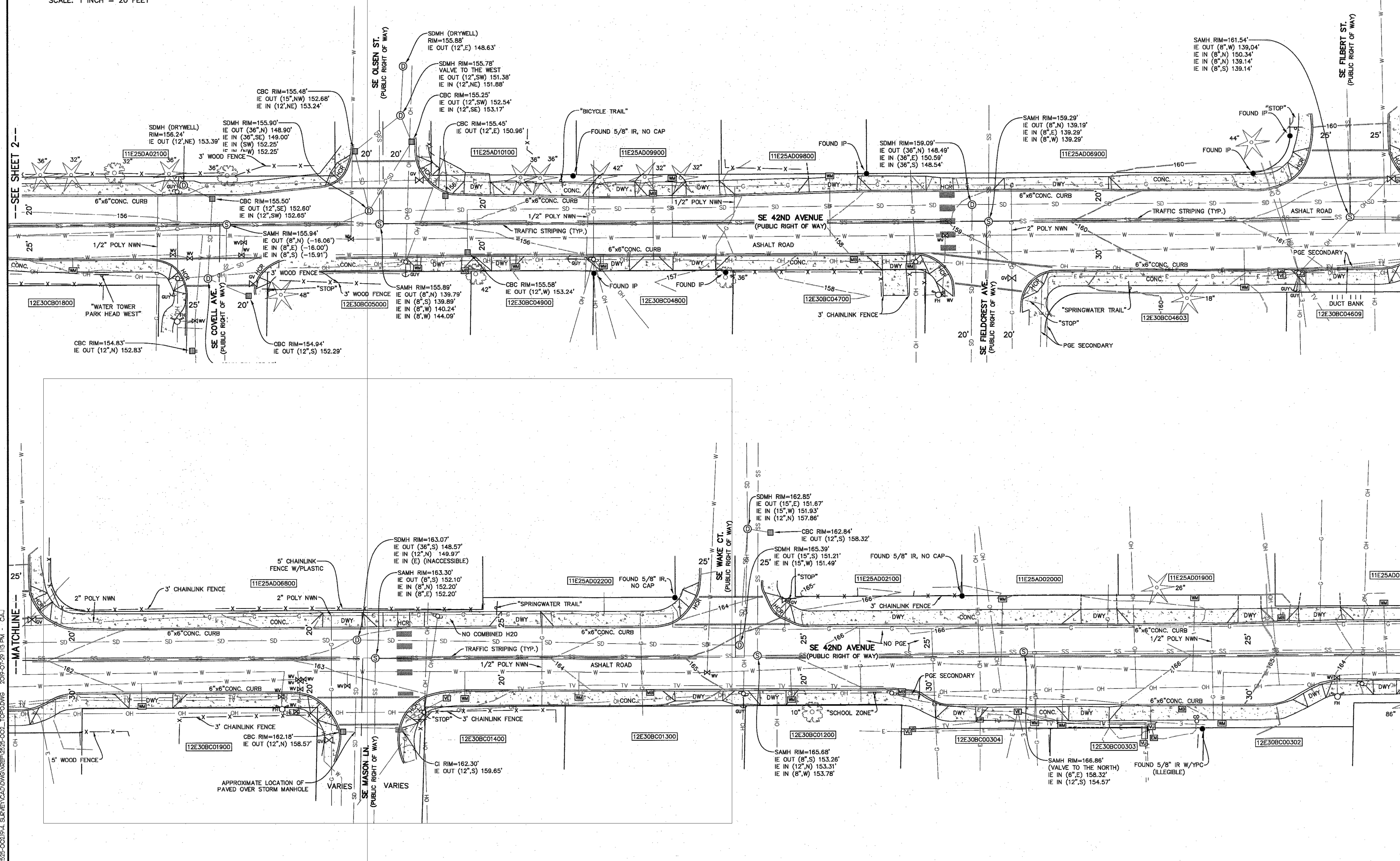
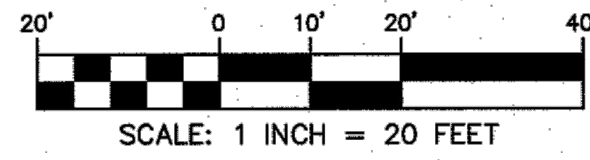
NO.	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	07/29/2019	INITIAL FINAL DRAFT RELEASE	CAJ	GRA
0	07/26/2019	INITIAL DRAFT RELEASE	CAJ	GRA

SHEET  
**2 OF 4**  
JOB NO.  
**2525-002**

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CITY OF MILWAUKIE/PORTLAND  
COUNTY OF CLACKAMAS

REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON  
JULY 25, 1990  
GARY R. ANDERSON  
2434

RENEWALS: 12-31-19

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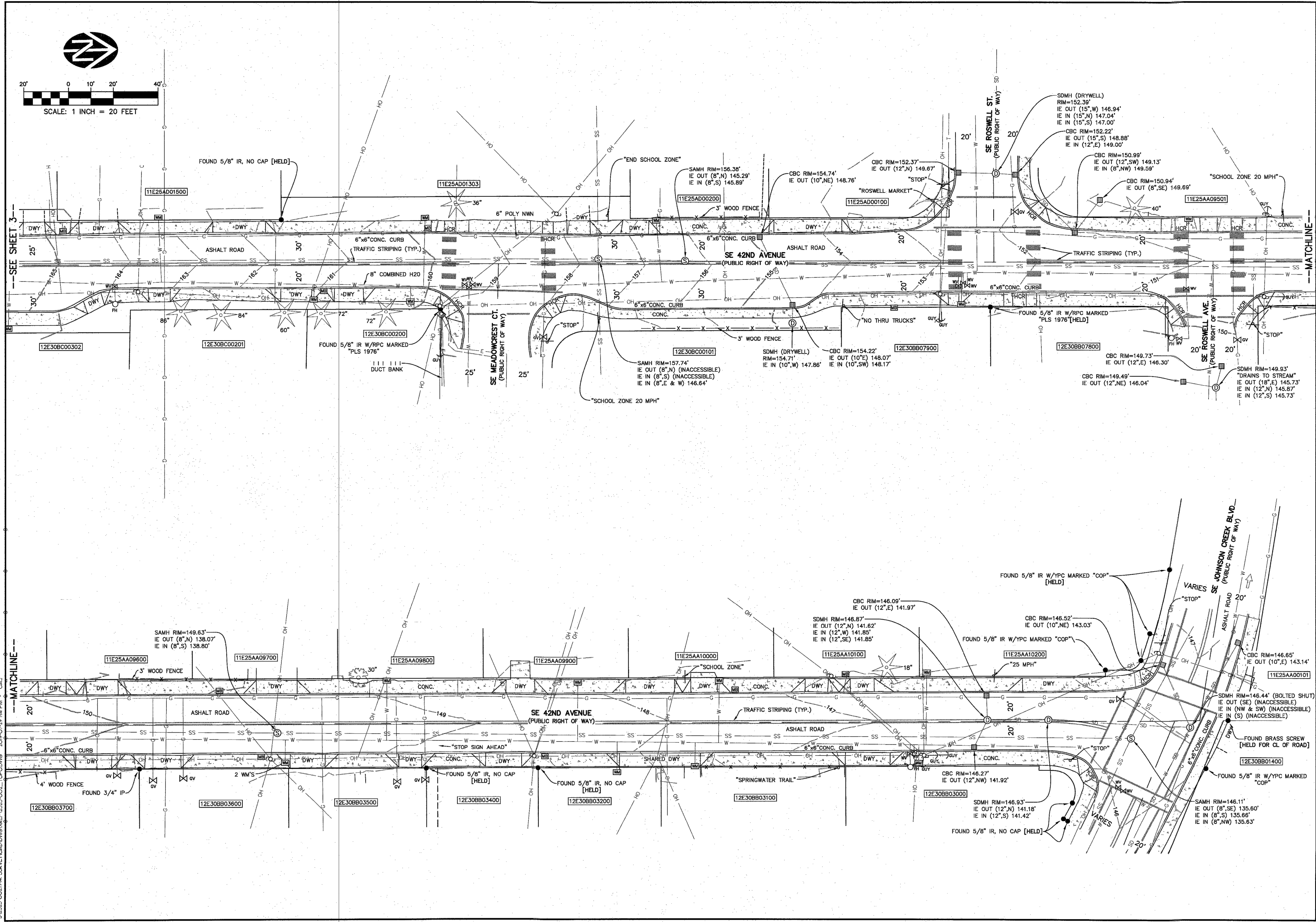
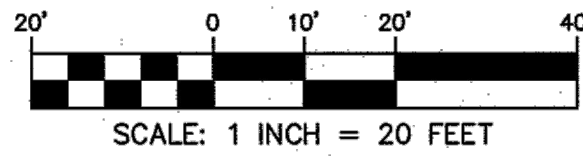
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SHEET  
**3** OF **4**  
JOB NO.  
2525-002

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JULY 25, 1990  
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0	07/26/2019	INITIAL DRAFT RELEASE	CAJ	GRA	

SHEET  
**4** OF **4**  
JOB NO.  
**2525-002**



# 42ND AVENUE SAFE PROJECT

## CIP2020-A10

### EROSION AND SEDIMENT CONTROL PLANS

**DEVELOPER:**  
CITY OF MILWAUKIE  
6101 SE JOHNSON CREEK BLVD MILWAUKIE, OR 97206  
PHONE: (503) 786-7600

**ENGINEERING:**  
CITY OF MILWAUKIE  
6101 SE JOHNSON CREEK BLVD  
PHONE: (503) 786-7600  
CONTACT: ELIZABETH BRITTELL, P.E.

**PROPERTY LOCATION:**  
ADDRESS: CITY OF MILWAUKIE

**SURVEY FIRM:**  
WESTLAKE CONSULTANTS  
15115 SW SEQUOIA PARKWAY, SUITE 150  
PHONE: (503) 684-0652  
CONTACT: GARY R. ANDERSON

LATITUDE: 45°27'21.2"  
LONGITUDE: 12°37'12.5"

**PROPERTY DESCRIPTION:**  
CITY OF MILWAUKIE RIGHT-OF-WAY

**NARRATIVE DESCRIPTION:**

**EXISTING SITE CONDITIONS:**  
5 FT TO 6 FT SIDEWALKS ON BOTH SIDES OF SE 42ND AVENUE.

**NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE**  
\*CLEARING MAY 1, 2021  
\*GRADING MAY 1, 2021  
\*UTILITY INSTALLATION JULY 1, 2021  
\*FINAL STABILIZATION OCTOBER 1, 2021

**DEVELOPED CONDITIONS:**  
REPLACE PORTIONS OF EXISTING SIDEWALK ON THE WEST SIDE OF SE 42ND AVENUE FOR ADA COMPLIANCE.

TOTAL SITE AREA: 119,736 SF = 2.7 ACRES

TOTAL DISTURBED AREA: 22,185 SF = 0.5 ACRES

**SITE SOIL CLASSIFICATION:**  
QUATAMA LOAM, 0 TO 3 PERCENT SLOPES

**RECEIVING WATER BODIES:**  
JOHNSON CREEK

**BMP MATRIX FOR CONSTRUCTION PHASES**

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

	CLEARING	MASS GRADING	UTILITY INSTALLATION	STREET CONSTRUCTION	FINAL STABILIZATION	WET WEATHER (OCT 1-MAY 31)
<b>EROSION PREVENTION</b>						
PRESERVE NATURAL VEGETATION	X			X		X
GROUND COVER						
HYDRAULIC APPLICATIONS						
PLASTIC SHEETING						
MATTING						
DUST CONTROL						
TEMPORARY/ PERMANENT SEEDING					X	X
BUFFER ZONE						
OTHER:						
<b>SEDIMENT CONTROL</b>						
SEDIMENT FENCE (PERIMETER)						
SEDIMENT FENCE (INTERIOR)						
STRAW WATTLES	X	X	X	X	X	X
FILTER BERM						
INLET PROTECTION	X	X	X	X	X	X
DEWATERING						
SEDIMENT TRAP						
OTHER:						
<b>RUN OFF CONTROL</b>						
CONSTRUCTION ENTRANCE						
PIPE SLOPE DRAIN						
OUTLET PROTECTION						
SURFACE ROUGHENING						
CHECK DAMS						
OTHER:						
<b>POLLUTION PREVENTION</b>						
PROPER SIGNAGE						
HAZ WASTE MGMT						
SPILL KIT ON-SITE						
CONCRETE WASHOUT AREA						
OTHER:						

\*\* SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

**RATIONALE STATEMENT**

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP'S WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS, TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

INITIAL \_\_\_\_\_

**PERMITTEE'S SITE INSPECTOR:**

CONTRACTOR TO PROVIDE:  
COMPANY NAME:  
PHONE:  
FAX:  
CONTACT NAME:  
EMAIL:

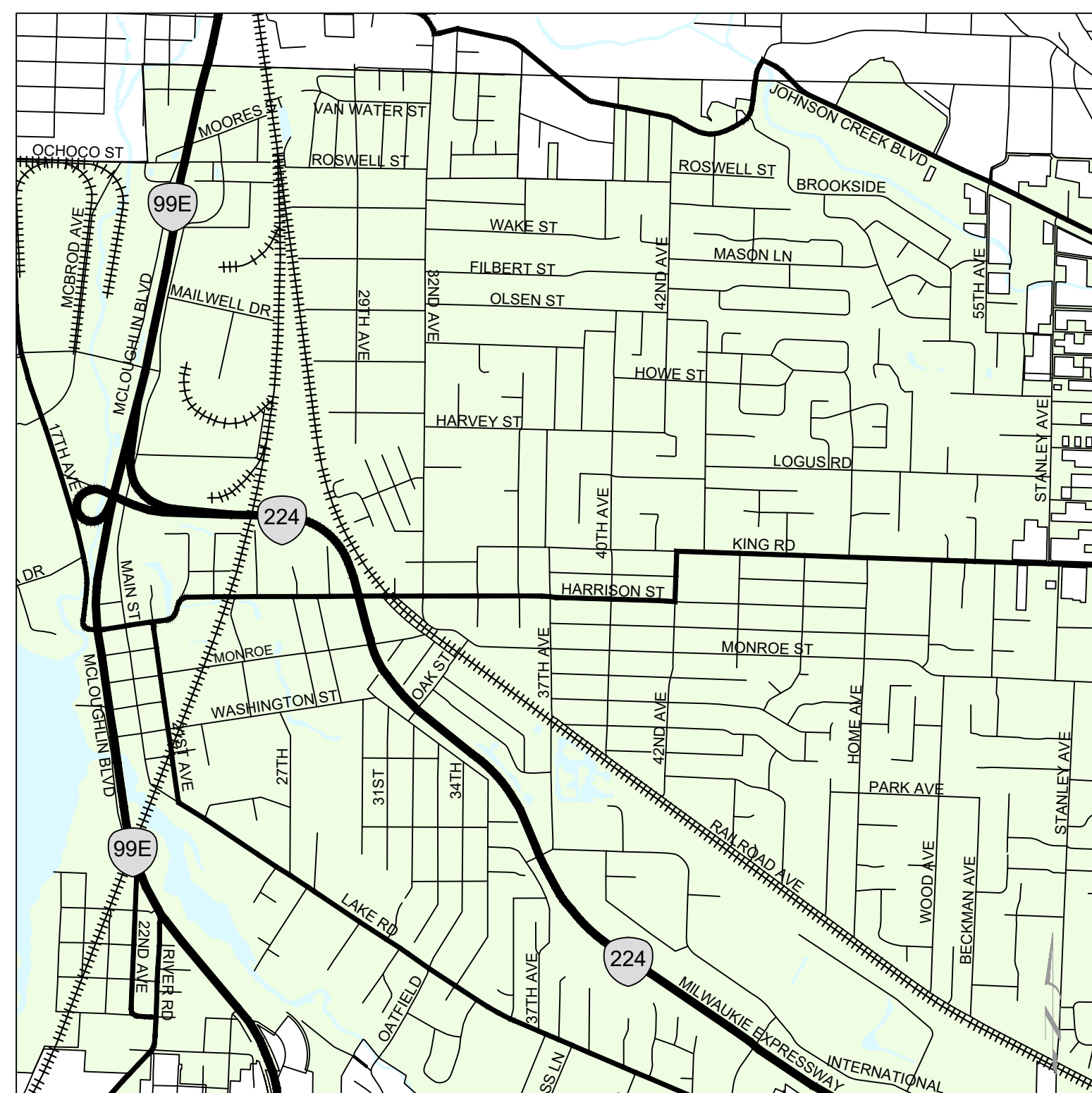
DESCRIPTION OF EXPERIENCE: (LIST YEARS AND TYPE OF EXPERIENCE)

**ATTENTION EXCAVATORS**

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 OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.



**SITE MAP**  
not to scale



**VICINITY MAP**  
NTS

**INSPECTION FREQUENCY**

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.	ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3. INACTIVE PERIODS GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS.	ONCE EVERY TWO (2) WEEKS.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER.	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.

- \* HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL, INCLUDING THE INSPECTOR, TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
- \* RETAIN A COPY OF THE ESC PLAN AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESC PLAN AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION.
- \* CHANGES TO THE APPROVED ESC PLAN MUST BE SUBMITTED TO DEQ IN THE FORM OF AN ACTION PLAN.

**SHEET INDEX**

SHEET NO.	DESCRIPTION
EC1	EROSION AND SEDIMENT CONTROL COVER SHEET
EC2	EROSION AND SEDIMENT CONTROL NOTES
EC3-5	EROSION AND SEDIMENT CONTROL PLANS
EC6	EROSION AND SEDIMENT CONTROL DETAILS

BCB 10/11/2019  
DESIGNED DATE  
BCB 04/05/2020  
DRAFTED DATE  
WLM/JAG 6/30/2020  
CHECKED DATE  
SRA 5/18/2021  
APPROVED DATE



**CITY OF MILWAUKIE**

6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
EROSION AND SEDIMENT CONTROL COVER SHEET

NO. DATE BY REVISIONS

PROJECT NO.: CIP 2020-A10

CONTRACT NO.:

DATE: 10/20/2020

SHEET NO.: EC1



STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES

1. APPLY TEMPORARY AND PERMANENT SOIL STABILIZATION MEASURES ON ALL DISTURBED AREAS AS GRADING PROGRESSES. (SCH A.5.b.ii.6.)
2. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31 EACH YEAR. (SCH A.7.a.i.)
3. DURING WET WEATHER PERIODS TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY IF RAINFALL IS FORECAST IN THE NEXT 24 HOURS. (SCH A.7.a.ii.)
4. ALL EROSION AND SEDIMENT CONTROLS NOT IN THE DIRECT PATH OF WORK MUST BE INSTALLED PRIOR TO ANY LAND DISTURBANCE. (SCH A.7.c.ii.)
5. PRESERVE EXISTING VEGETATION AND RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION (SCHA.7.c.iii.1)
6. ALL TEMPORARY SEDIMENT CONTROLS MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED. (SCH A.7.c.iii.3.)
7. SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. (SCH A.7.d.i.(1))
8. ALL ACTIVE CATCH BASINS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. (SCH A.7.d.i.(2))
9. WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON-SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMP'S; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE. (SCH A.7.d.iii.3)
10. TEMPORARY STABILIZATION OR COVERING OF SOIL STOCKPILES MUST OCCUR AT THE END OF EACH WORK DAY OR OTHER BMP'S MUST BE IMPLEMENTED TO PREVENT TURBID DISCHARGES TO SURFACE WATERS. (SCH A.7.e.ii.2.)
11. DEVELOP AND MAINTAIN ONSITE A WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURE. (SCH A.7.e.iii.3)
12. ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL. (SCH A.7.e.iii.(2))
13. THE PERMITTEE MUST PROPERLY PREVENT AND MANAGE HAZARDOUS WASTE, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION. (SCH A.7.e.i.1 AND SCH A.7.e.iii.4)
14. SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVE THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A REOCCURRENCE OF THE DISCHARGED WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIME FRAME. (SCH A.7.f.i.1)
15. SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATERBODIES. DRY SWEEPING MUST BE USED TO CLEAN UP RELEASED SEDIMENTS. (SCH A.7.f.i.2)
16. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW THE MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE TAKEN IN THE APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE. (SCH A.7.f.i.3.)
17. SEDIMENT MUST BE REMOVED FROM BEHIND SEDIMENT FENCE WHEN IT HAS REACHED A HEIGHT OF 1/3 THE HEIGHT OF THE FENCE ABOVE THE GROUND, AND BEFORE FENCE REMOVAL. (SCH A.7.f.ii.1.)
18. SEDIMENT MUST BE REMOVED FROM BEHIND BIO BAGS AND OTHER BARRIERS WHEN IT HAS REACHED A HEIGHT OF TWO (2) INCHES AND BEFORE BMP REMOVAL. (SCH A.7.f.ii.2.)
19. CLEANING OF TRAPPED CATCH BASINS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY (50) PERCENT, AND AT COMPLETION OF PROJECT. (SCH A.7.f.ii.3.)
20. REMOVAL OF TRAPPED SEDIMENT IN A SEDIMENT BASIN OR SEDIMENT TRAP MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY (50) PERCENT, AND AT COMPLETION OF PROJECT. (SCH A.7.f.ii.3&4)
21. DEQ MUST APPROVE OF ANY TREATMENT SYSTEM AND OPERATIONAL PLAN THAT MAY BE NECESSARY TO TREAT CONTAMINATED CONSTRUCTION DEWATERING OR SEDIMENT AND TURBIDITY IN STORMWATER RUNOFF. (SCH A.7.f.iii.)
22. SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR THIRTY (30) DAYS OR MORE, THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD. (SCH A.8.a.)
23. SHOULD CONSTRUCTION ACTIVITIES CEASE FOR FIFTEEN (15) DAYS OR MORE ON ANY SIGNIFICANT PORTION OF A CONSTRUCTION SITE, TEMPORARY STABILIZATION IS REQUIRED FOR THAT PORTION OF THE SITE WITH STRAW, COMPOST, OR OTHER TACKIFIED COVERING THAT WILL PREVENT SOIL OR WIND EROSION UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SCH A.8.b.)

LOCAL AGENCY EROSION CONTROL NOTES

1. ALL EROSION PREVENTION MEASURES SHALL BE IN PLACE, FUNCTIONAL, AND APPROVED IN ACCORDANCE WITH THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. ALL SOIL DISTURBING AND CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH MMC CHAPTER 16.28 EROSION CONTROL AND ANY APPLICABLE LOCAL, STATE, OR FEDERAL REQUIREMENTS.
2. ALTERNATE SEDIMENT CONTROLS MUST PROVIDE A DISCHARGE THAT IS CLEAN AND FREE OF SEDIMENT, SURFACTANTS, AND OTHER POLLUTANTS PRIOR TO ENTERING THE STORM SYSTEM. APPROVAL OF ALTERNATIVE SEDIMENT CONTROLS BY THE CITY OF MILWAUKIE ENVIRONMENTAL SERVICES

COORDINATOR IS REQUIRED PRIOR TO INSTALLATION.

3. DUMPING OR DISPOSAL OF SPOIL MATERIALS INTO ANY STREAM CORRIDOR, WETLAND, SURFACE WATER, OR ON ANY PUBLIC OR PRIVATE PROPERTY NOT SPECIFIED FOR SAID PURPOSE IS PROHIBITED.
4. SEDIMENT AND POLLUTANTS SHALL NOT BE WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES. DRY SWEEPING SHALL BE IMPLEMENTED TO CLEAN UP CONSTRUCTION AREAS TO PREVENT RELEASE OF SEDIMENTS INTO THE STORM SYSTEM.
5. DISPOSAL OF SEDIMENT LADEN WATER INTO THE WASTEWATER SYSTEM IS PROHIBITED, UNLESS PRIOR WRITTEN APPROVAL IS RECEIVED FROM THE CITY OF MILWAUKIE ENVIRONMENTAL SERVICES COORDINATOR. SEDIMENT LADEN WATER SHALL BE PUMPED THROUGH AN APPROVED SEDIMENT CONTROL BMP PRIOR TO DISPOSAL INTO THE WASTEWATER SYSTEM.
6. SAWCUTTING SLURRY AND DEBRIS SHALL BE VACUUMED AND REMOVED FROM ALL IMPERVIOUS SURFACES. VACUUMED SAWCUTTING SLURRY SHALL BE PROPERLY DISPOSED OF AND NOT DISCHARGED INTO THE STORM SYSTEM.
7. AN AREA SHALL BE DESIGNATED FOR WASHING OUT CONCRETE TRUCKS SUCH THAT RUNOFF FROM WASHING ACTIVITIES ARE CONTAINED AND DO NOT LEAVE THE SITE OR ENTER THE STORM SYSTEM.
8. SWEEPING FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE WASHED TO THE STREET OR STORM SYSTEM. SWEEPING SHALL BE COLLECTED AND PROPERLY DISPOSED OF IN THE TRASH.
9. PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN OFF INTO THE STORM SYSTEM IS PROHIBITED.
10. TRACKING OF DIRT AND DEBRIS ONTO IMPERVIOUS SURFACES, SUCH AS STREETS AND PARKING LOTS, IS PROHIBITED. IMPERVIOUS SURFACES SHALL BE KEPT FREE OF DIRT AND DEBRIS AT ALL TIME IF IT CAN BE SPREAD BY TRAFFIC OR CAN ENTER THE STORM SYSTEM.
11. GRAVEL OR DIRT CURB RAMPS ARE PROHIBITED. ONLY WOOD STEP STYLE CURB RAMPS ARE ALLOWED.
12. UPON COMPLETION OF SITE RESTORATION AND APPROVAL FROM THE CITY OF MILWAUKIE ENGINEERING DIRECTOR, ALL TEMPORARY EROSION CONTROL MEASURES MAY BE REMOVED.
13. DRAINAGE FROM SPRINGS OR GROUNDWATER MUST BE ADDRESSED DURING CONSTRUCTION BY THE CONTRACTOR. DISCHARGE FROM GROUNDWATER ENCOUNTERED ON THE SITE MUST BE CLEAN OF SEDIMENT OR POLLUTANTS.
14. AREA SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCH, OR OTHER APPROVED MEASURE.
15. DATES OF IMPLEMENTATION OF WET WEATHER MEASURES ARE OCTOBER 1ST TO APRIL 30TH.
16. MATERIAL SHALL NOT BE STOCKPILED ON PUBLIC STREETS OR IN THE RIGHT-OF-WAY LONGER THAN IMMEDIATE USE.
17. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE CONTRACTOR MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT. NOTE: VEGETATED CORRIDORS TO BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
18. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMP'S THAT MUST BE INSTALLED ARE A GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION AS SPECIFIED. THESE BMP'S MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
19. IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAT SEPTEMBER 1; THE TYPE AND PERCENTAGES OF SEED IN THE MIX MUST BE IDENTIFIED ON THE PLANS WITH AN ESTABLISHED HEALTHY STAND OF GRASS OF 80% COVERAGE BY OCTOBER 1ST.
20. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP.
21. THE ESC PLAN MUST BE KEPT ON SITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT OR SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.

PRE-CONSTRUCTION, CLEARING AND DEMOLITION NOTES:

1. ALL BASE ESC MEASURES MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
3. SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE I THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
4. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, (LIST APPROVED MEASURES), MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
5. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES.
6. ITEMS NOTED FOR REMOVAL OR DEMOLITION TO BE DISPOSED OF IN A MANNER THAT MEETS APPLICABLE STATE AND FEDERAL REGULATIONS.
7. INSTALLATION AND APPROVAL OF ALL TREE PROTECTION AND ESC MEASURES ARE NEEDED BEFORE CONSTRUCTION BEGINS.
8. UNDERGROUND AND OVERHEAD POWER LINES AND FRANCHISE UTILITIES ARE LOCATED WITHIN RIGHT-OF-WAY ADJACENT TO THE PROJECT SITE.

COORDINATE WORK WITH THE UTILITY COMPANY.

TREE REMOVAL AND PRESERVATION NOTES:

1. CONTRACTOR SHALL INSTALL 4' HIGH ORANGE TREE PROTECTION FENCING AROUND ALL TREES TO REMAIN ON SITE DURING CONSTRUCTION. FENCING SHALL BE PLACED AT THE TREE DRIP LINE. COORDINATE TREE PROTECTION FENCING LOCATION WITH PROJECT ARBORIST.
2. INSTALLATION AND APPROVAL OF ALL TREE PROTECTION AND ESC MEASURES ARE NEEDED BEFORE CONSTRUCTION BEGINS.
3. TREE REMOVAL OPERATIONS SHALL NOT DAMAGE TREES TO BE SAVED.
4. ALL DEMOLITION AND TREE REMOVAL WITHIN THE TREE PROTECTION FENCING SHALL BE COMPLETED UNDER THE SUPERVISION OF THE PROJECT ARBORIST. NO REMOVAL OF ANY STRUCTURES OR TREES SHALL BE PERFORMED WITHOUT THE PROJECT ARBORIST ON SITE.

GRADING, STREET, AND UTILITY ESC CONSTRUCTION NOTES:

1. SEED USE FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
  - A. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES.
  - B. DWARF GRASS MIX (MIN 100 LB/AC)
    - DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
    - CREEPING RED FESCUE (20% BY WEIGHT)
  - C. STANDARD HEIGHT GRASS MIX (MIN 100 LB/AC)
    - ANNUAL RYEGRASS (40% BY WEIGHT)
    - TURF-TYPE FESCUE (60% BY WEIGHT)
2. SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA HYDROSEEDING TO 2000 LBS/ACRES WITH AN ADDED TACKIFIER.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50 FEET FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF CAPACITY.
12. SWEEPING FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
14. USE BMP'S SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
15. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.
16. CONTRACTOR TO PROTECT UICs AND DRYWELLS DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING STRUCTURES.
17. AFTER OCTOBER 1ST, COVER AREAS AT FINAL GRADE WITH SEED/STRAW MULCH AT 4000 LBS/ACRE.

UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN MAPPED FROM FIELD SURVEY INFORMATION, OBSERVED ABOUT GROUND EVIDENCE AND GROUND MARKINGS BY OTHERS, AND EXISTING DRAWINGS SUPPLIED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED BUT DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019 DATE
BCB DRAFTED	04/05/2020 DATE
WLM/JAG CHECKED	6/30/2020 DATE
SRA APPROVED	5/18/2021 DATE





# CITY OF MILWAUKIE

6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

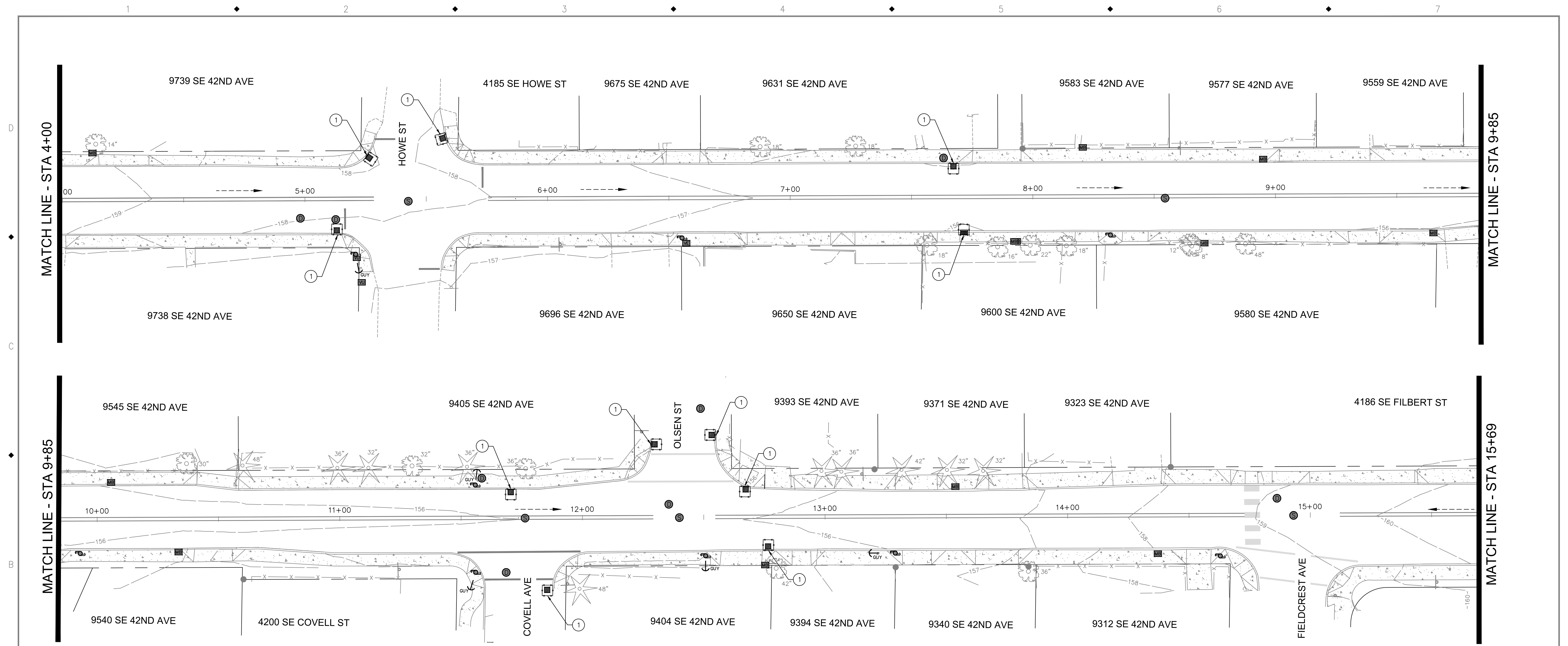
## BID SCHEDULE A

### 42ND AVENUE SAFE PROJECT

#### EROSION AND SEDIMENT CONTROL NOTES

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: EC2
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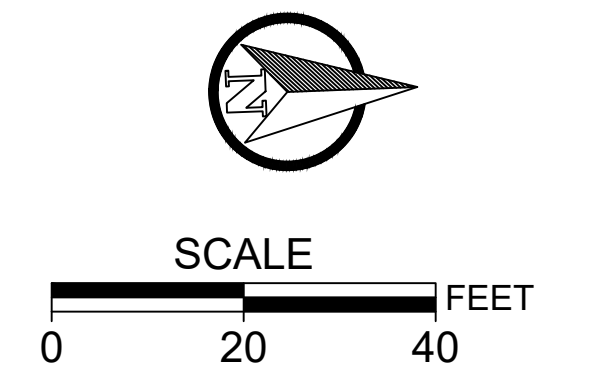


**EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES:**

- ① INSTALL INLET PROTECTION, TYPE 4. OSD RD 1015.

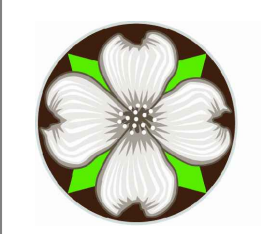
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FLOW ARROW



NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019	DATE
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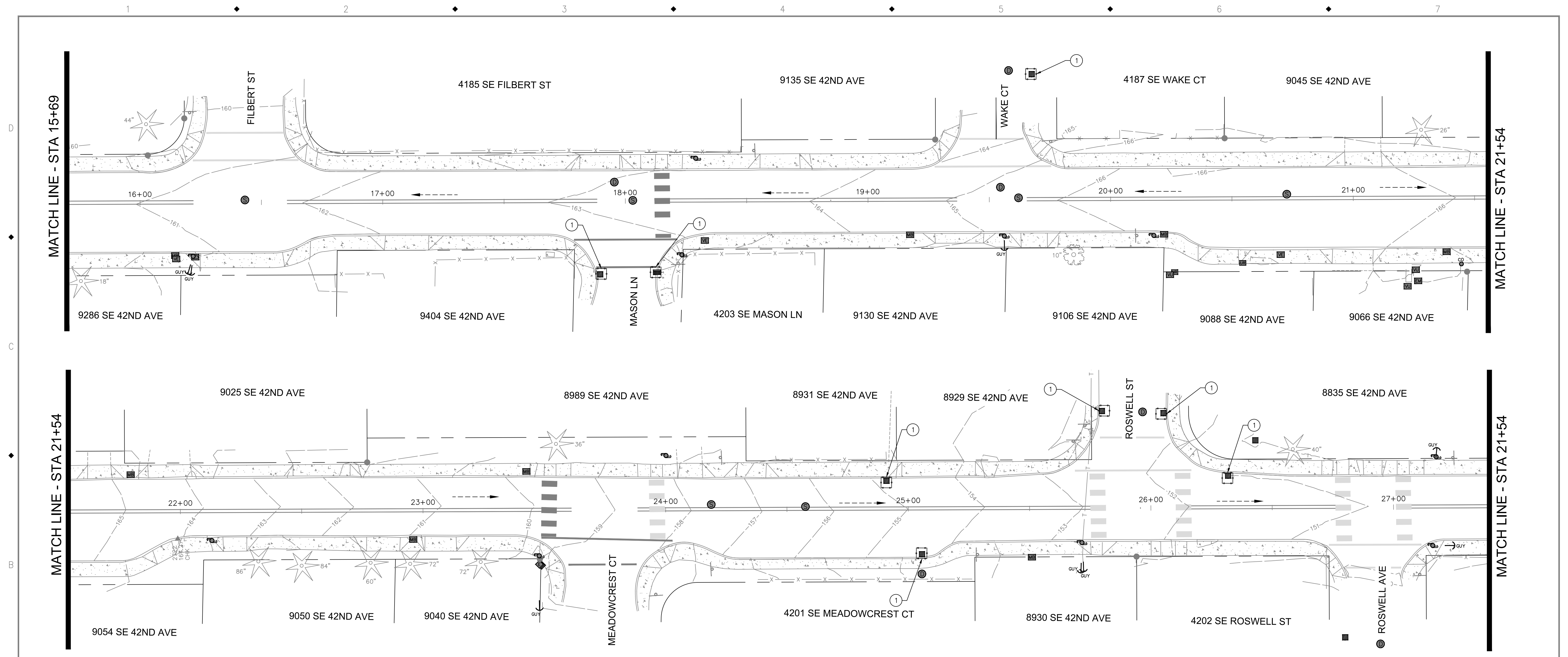
**CITY OF MILWAUKIE**

6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

BID SCHEDULE A			
42ND AVENUE SAFE PROJECT			
EROSION AND SEDIMENT CONTROL PLAN			
PROJECT NO.:	CIP 2020-A10	CONTRACT NO.:	
DATE:	10/20/2020	SHEET NO.:	EC3



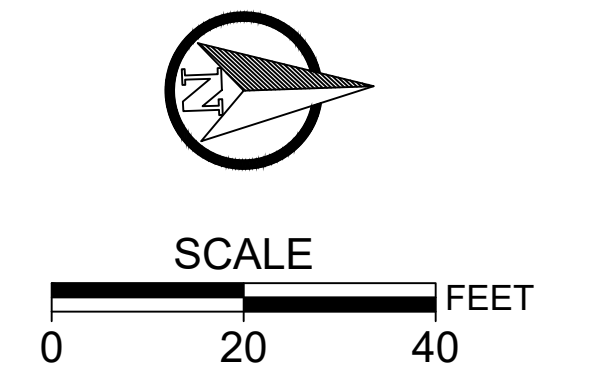


**EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES:**

- ① INSTALL INLET PROTECTION, TYPE 4. OSD RD 1015.

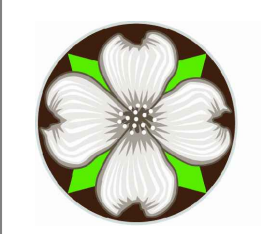
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NO.	DATE	BY	REVISIONS

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WLM/JAG CHECKED	6/30/2020	DATE
SRA APPROVED	5/18/2021	DATE



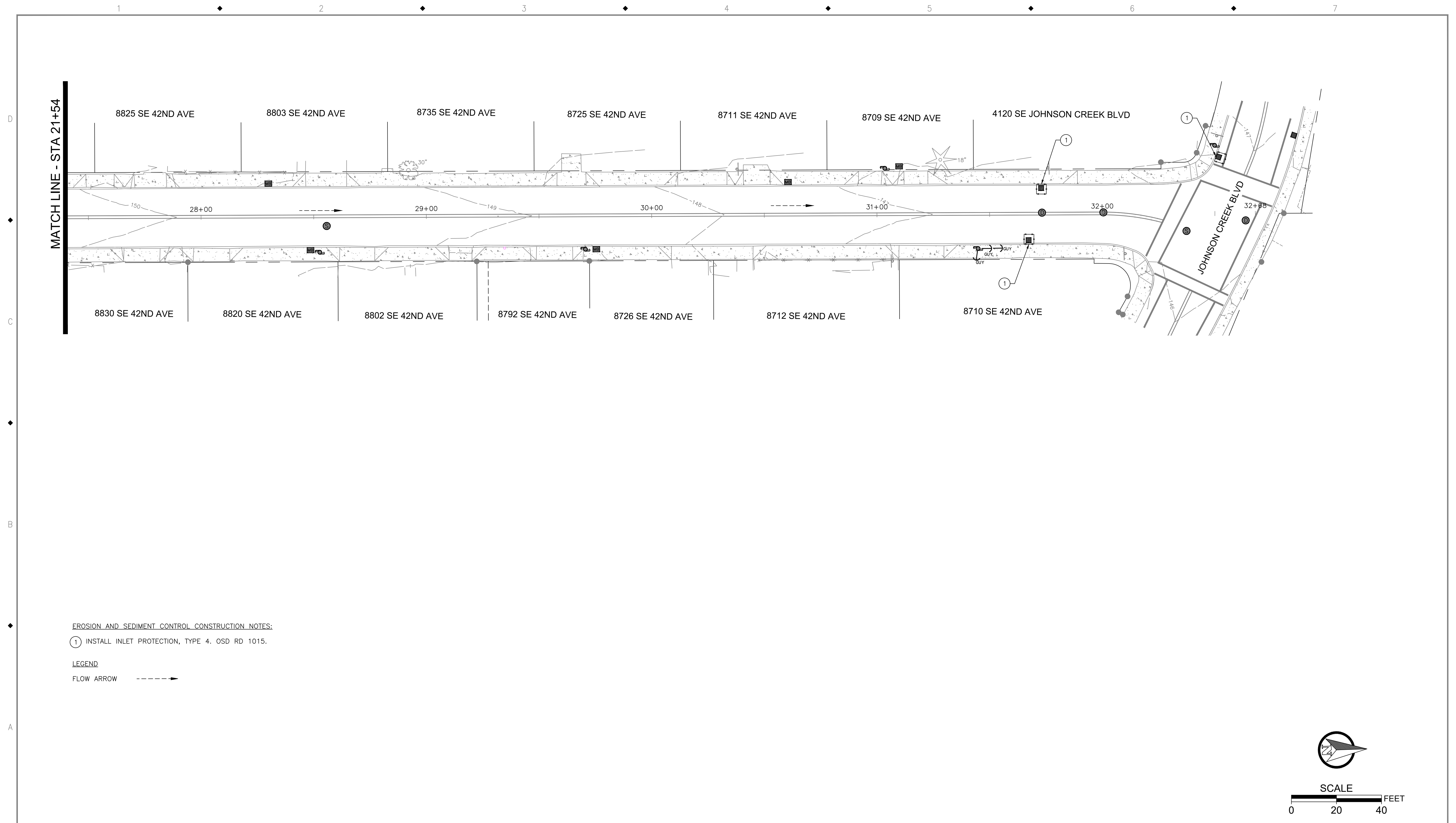
**CITY OF MILWAUKIE**

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MILWAUKIE, OR 97206

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FAX: 503-774-8236

BID SCHEDULE A			
42ND AVENUE SAFE PROJECT			
EROSION AND SEDIMENT CONTROL PLAN			
PROJECT NO.:	CIP 2020-A10	CONTRACT NO.:	
DATE:	10/20/2020	SHEET NO.:	EC4



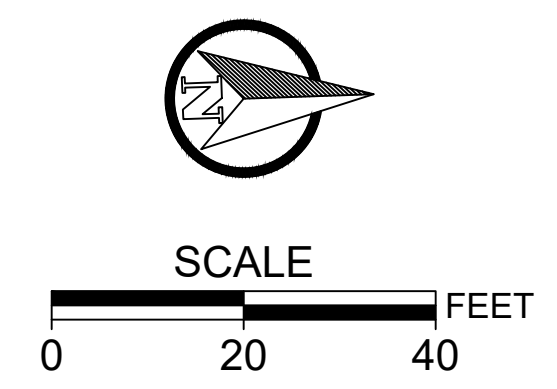


EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES:

- ① INSTALL INLET PROTECTION, TYPE 4. OSD RD 1015.

LEGEND

FLOW ARROW    - - - - ->



NO.	DATE	BY	REVISIONS

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WLM/JAG CHECKED	6/30/2020	DATE
SRA APPROVED	5/18/2021	DATE





# CITY OF MILWAUKIE

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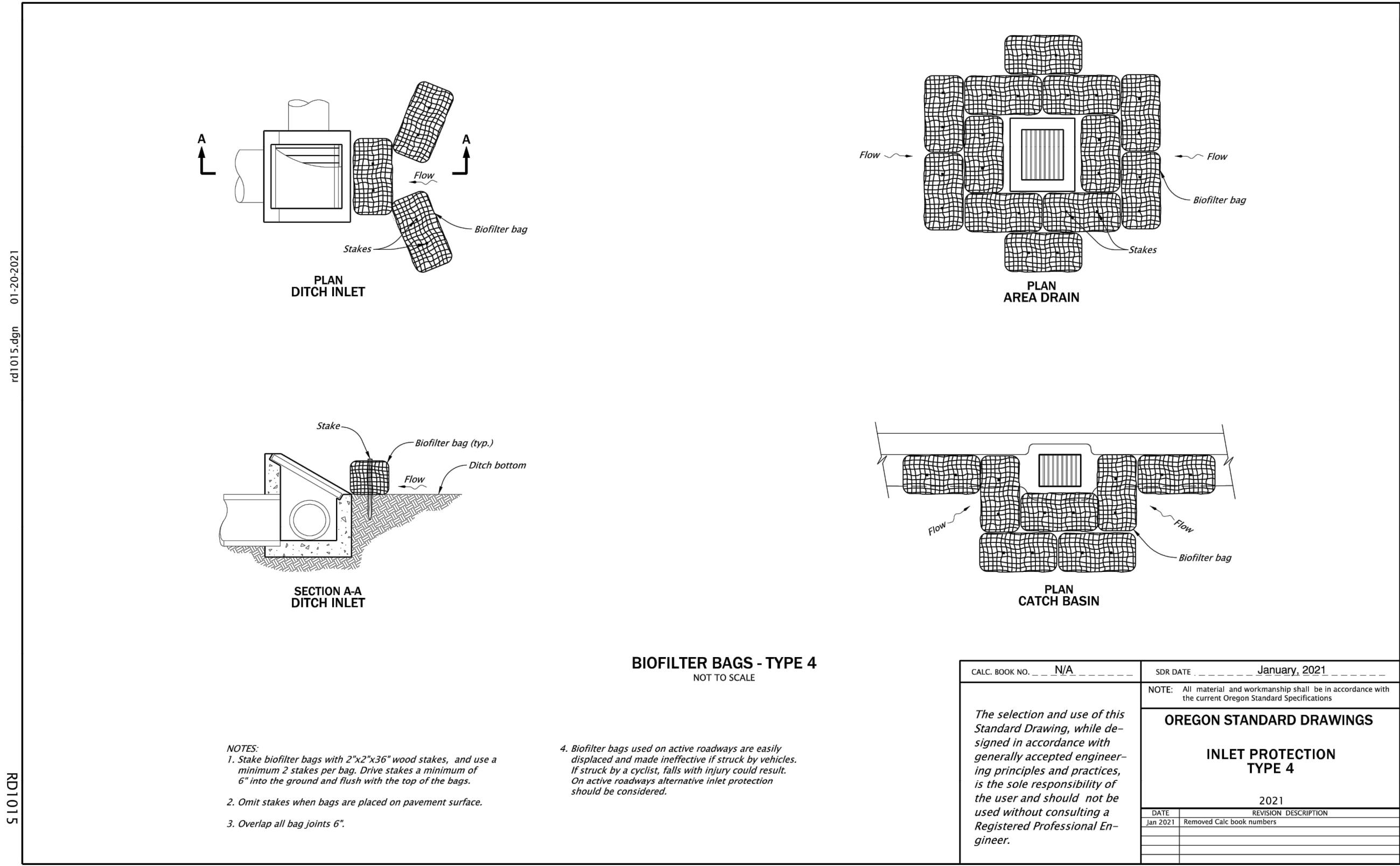
## BID SCHEDULE A

### 42ND AVENUE SAFE PROJECT

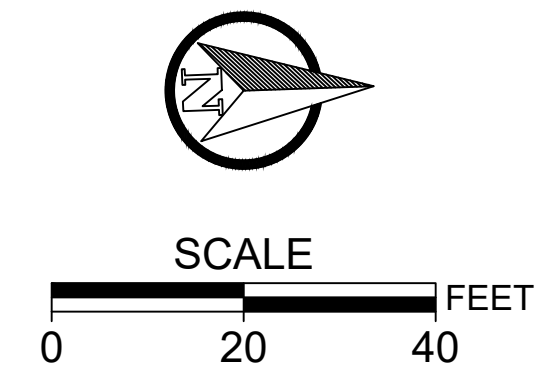
### EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: EC5
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CALC. BOOK NO. N/A	SDR DATE January, 2021
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.	
<b>OREGON STANDARD DRAWINGS</b>	
<b>INLET PROTECTION TYPE 4</b>	
2021	
DATE	REVISION DESCRIPTION
Jan 2021	Removed Calc book number.



NO.	DATE	BY	REVISIONS

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WLM/JAG CHECKED	6/30/2020
SRA APPROVED	5/18/2021

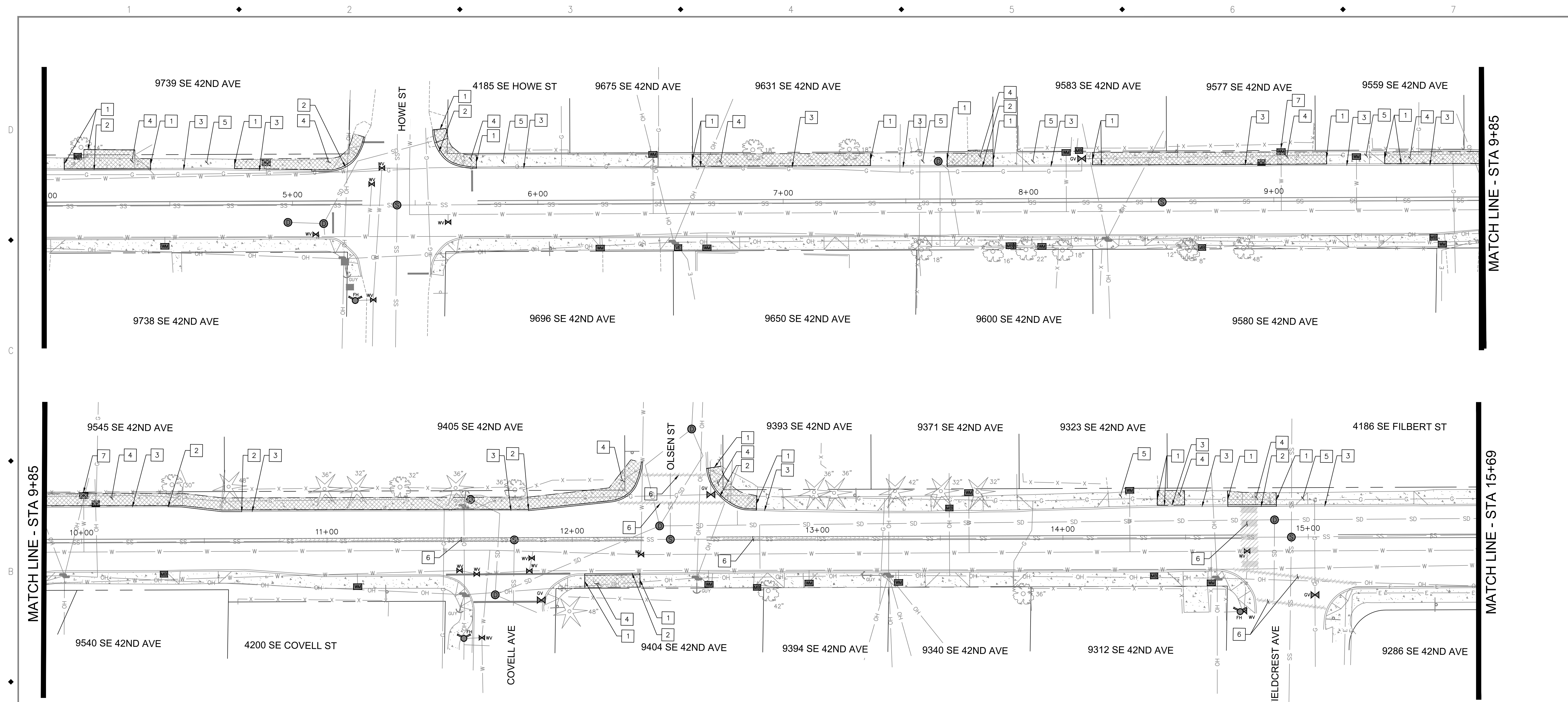


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**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
EROSION AND SEDIMENT CONTROL DETAILS

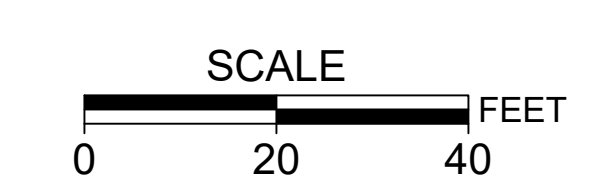
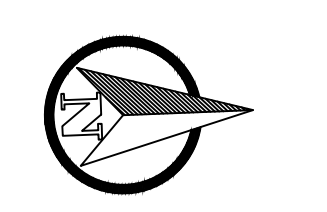
PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: EC6
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**DEMOLITION NOTES:**

- 1 SAWCUT.
- 2 REMOVE CURB.
- 3 PRESERVE CURB.
- 4 REMOVE WALKS AND DRIVEWAYS.
- 5 PRESERVE WALKS AND DRIVEWAYS.
- 6 REMOVE STRIPING.
- 7 PROTECT EXISTING WATER METER.
- 8 PROTECT EXISTING CATCH BASIN.
- 9 SALVAGE EXISTING MAILBOXES.



NO.	DATE	BY	REVISIONS

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DATE	



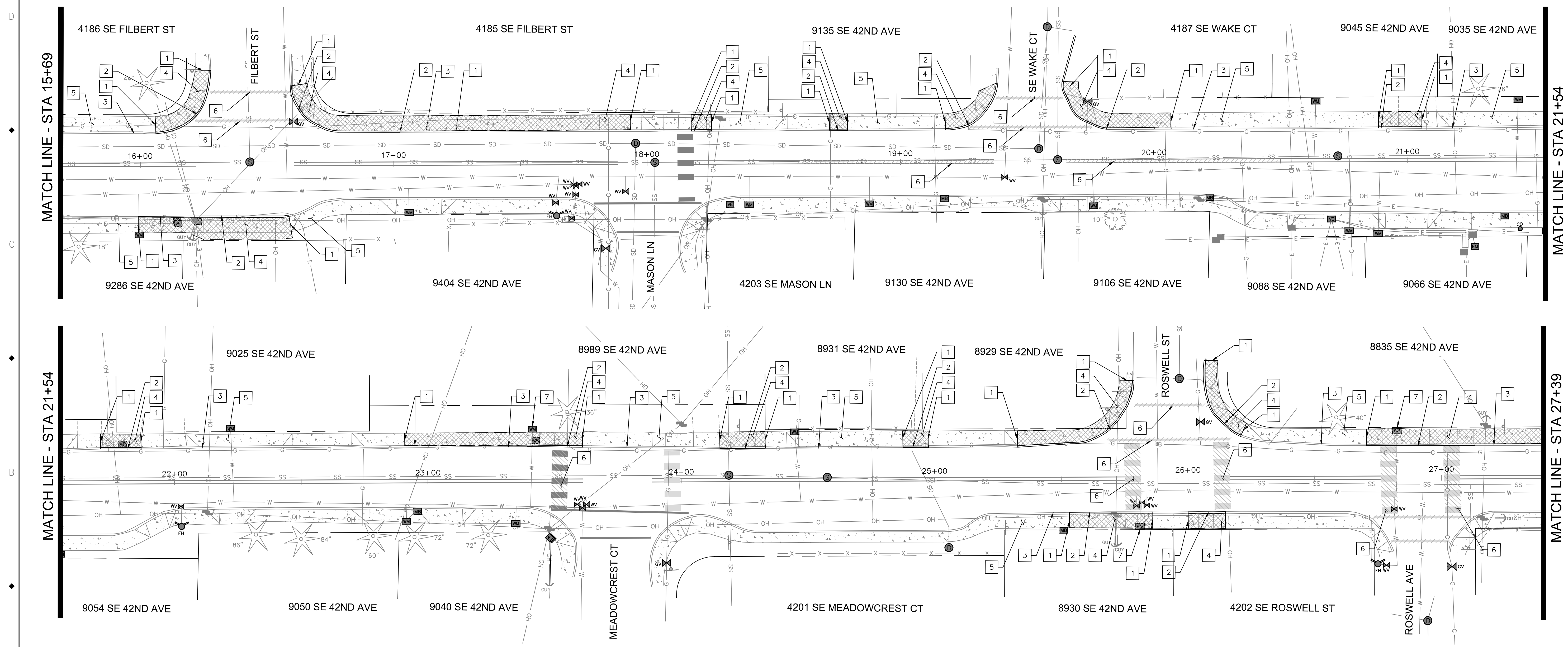
**CITY OF MILWAUKIE**

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MILWAUKIE, OR 97206

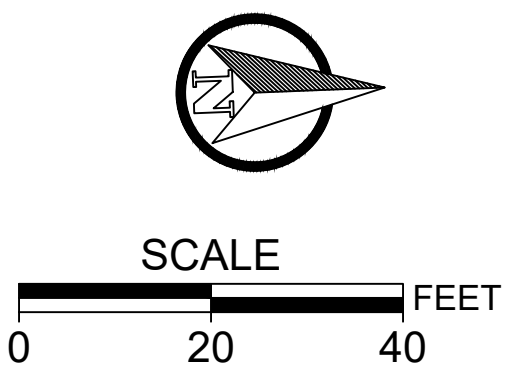
PHONE: 503-786-7600  
FAX: 503-774-8236

BID SCHEDULE A 42ND AVENUE SAFE PROJECT DEMOLITION PLAN			
PROJECT NO.:	CIP 2020-A10	CONTRACT NO.:	
DATE:	10/20/2020	SHEET NO.:	DM1





- DEMOLITION NOTES:**
- 1 SAWCUT.
  - 2 REMOVE CURB.
  - 3 PRESERVE CURB.
  - 4 REMOVE WALKS AND DRIVEWAYS.
  - 5 PRESERVE WALKS AND DRIVEWAYS.
  - 6 REMOVE STRIPING.
  - 7 PROTECT EXISTING WATER METER.
  - 8 PROTECT EXISTING CATCH BASIN.
  - 9 SALVAGE EXISTING MAILBOXES.



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**CITY OF MILWAUKIE**

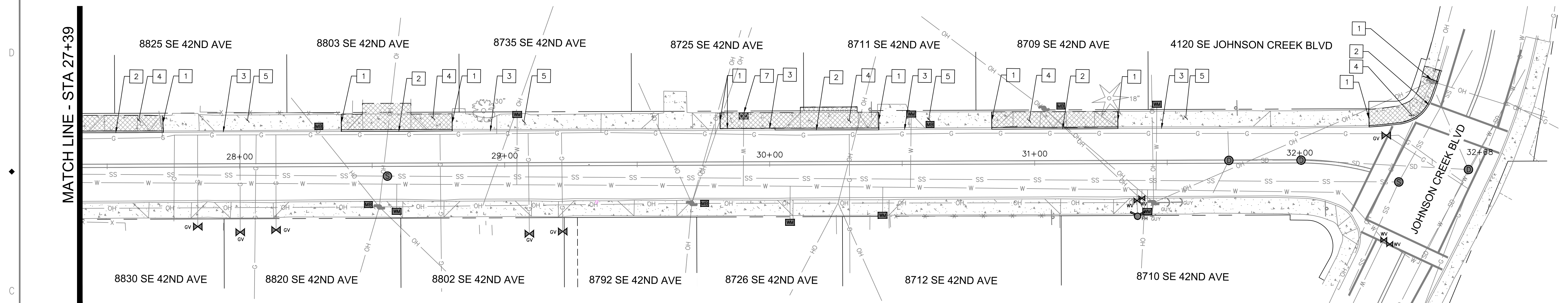
6101 SE JOHNSON CREEK BLVD.  
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PHONE: 503-786-7600  
FAX: 503-774-8236

**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
DEMOLITION PLAN

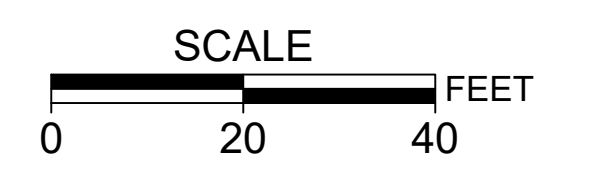
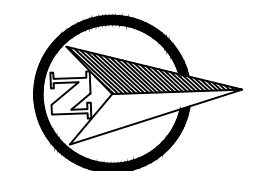
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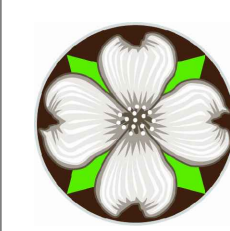
DEMOLITION NOTES:

- 1 SAWCUT.
- 2 REMOVE CURB.
- 3 PRESERVE CURB.
- 4 REMOVE WALKS AND DRIVEWAYS.
- 5 PRESERVE WALKS AND DRIVEWAYS.
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- 7 PROTECT EXISTING WATER METER.
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- 9 SALVAGE EXISTING MAILBOXES.



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 DATE  
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 DATE  
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 DATE  
 SRA APPROVED 5/18/2021  
 DATE



**CITY OF MILWAUKIE**

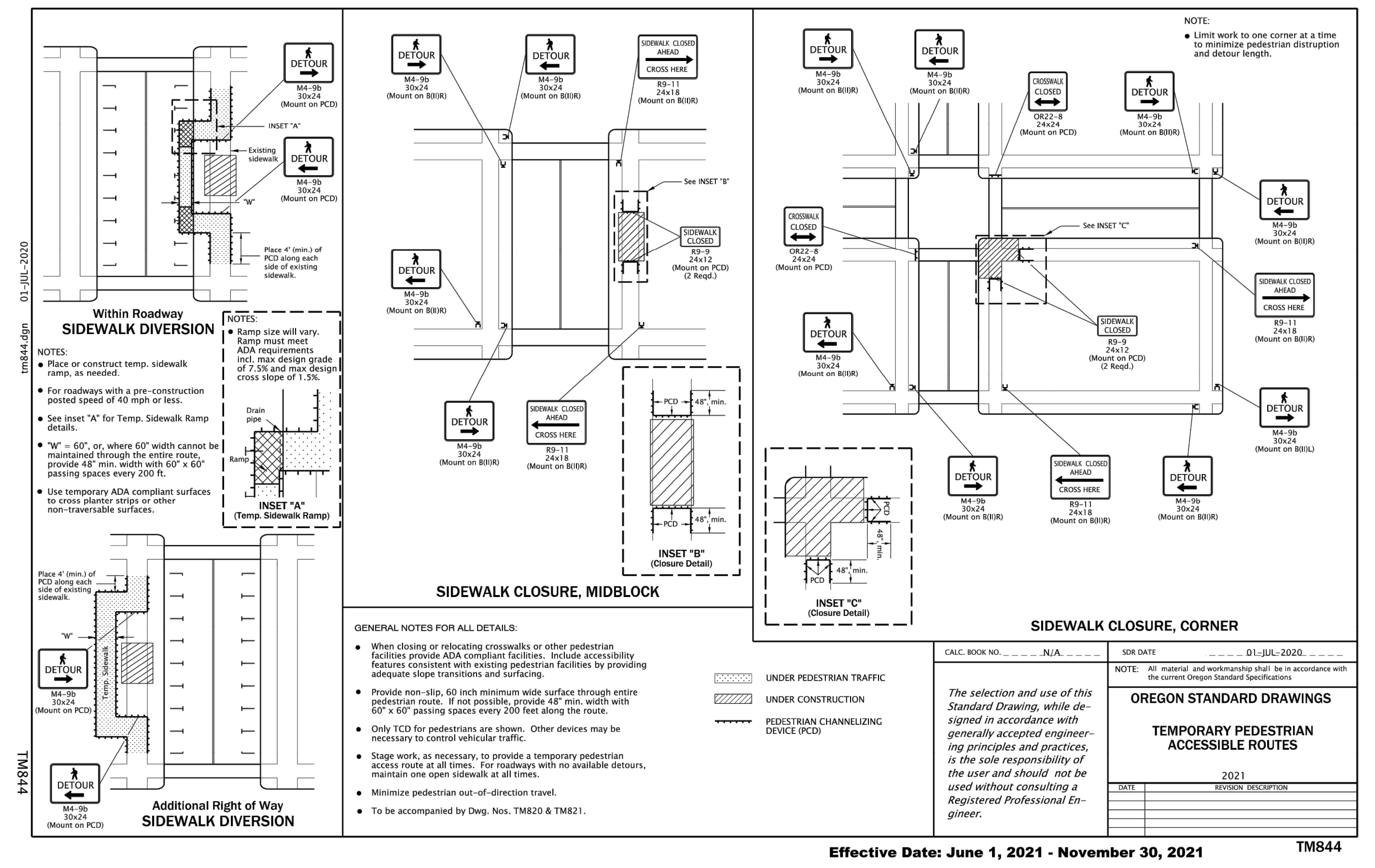
6101 SE JOHNSON CREEK BLVD.  
 MILWAUKIE, OR 97206

PHONE: 503-786-7600  
 FAX: 503-774-8236

**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**DEMOLITION PLAN**

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: DM3
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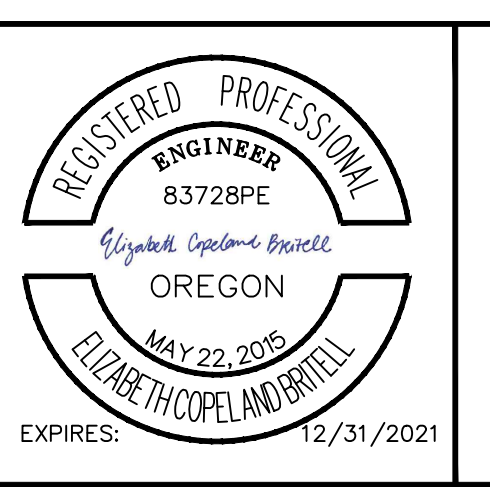




- CITY OF MILWAUKIE TRAFFIC CONTROL
- ALL SIGNING, STRIPING AND PERMANENT BARRICADES TO BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS FOR THE WORK IN THE RIGHT-OF-WAY AT THE PRE-CONSTRUCTION MEETING.
  - ALL TRAFFIC CONTROL MEASURES SHALL CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND LATEST EDITION OF THE OREGON TEMPORARY TRAFFIC CONTROL HANDBOOK (OTTC) FOR OPERATIONS OF THREE DAYS OR LESS.
  - THESE TRAFFIC CONTROL PLANS ARE SCHEMATIC IN NATURE AND ARE CONSIDERED THE MINIMUM NECESSARY TO ADEQUATELY MANAGE TRAFFIC DURING CONSTRUCTION.
  - EACH TRAFFIC CONTROL DETAIL IS TO BE IMPLEMENTED WITH THE ASSOCIATED TYPE OF WORK. FOR EXAMPLE, THE "WATER MAIN & SERVICE INSTALLATION" DETAIL CAN BE FLIPPED TO USE ON THE OPPOSITE SIDE OF THE ROADWAY AND THE "LANE CLOSURE AT INTERSECTION WITH FLAGGING" DETAIL CAN BE FLIPPED TO USE ON ANY OF THE FOUR INTERSECTION CORNERS.
  - CONTRACTOR SHALL INSTALL AND MAINTAIN ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THIS PLAN THROUGHOUT THE DURATION OF CONSTRUCTION.
  - ALL TRAVEL LANES, STREETS, DRIVEWAYS, AND POINTS OF ACCESS SHALL BE OPENED TO VEHICULAR TRAFFIC AT THE END OF EACH WORK DAY. ALL AREAS OF EXCAVATION WITHIN THE TRAVELED WAY SHALL BE TEMPORARILY COVERED WITH STEEL PLATES OR BACKFILLED AND TEMPORARILY SURFACED WITH ASPHALT CONCRETE PATCHING UNTIL FINAL PAVING.
  - CONTRACTOR SHALL PROVIDE VEHICULAR ACCESS TO SIDE STREETS AND DRIVEWAYS TO THE EXTENT PRACTICABLE. WHEN VEHICULAR ACCESS CANNOT BE PROVIDED, THE CONTRACTOR WILL NOTIFY THE AFFECTED BUSINESS / PROPERTY OWNER OF THE DATE AND DURATION OF THE INTERRUPTION, 14 DAYS IN ADVANCE OF THE CLOSURE. [24 HOURS IN ADVANCE OF THE CLOSURE]
  - SIGN LOCATIONS ARE APPROXIMATE. FINAL SIGN LOCATION SHALL BE DETERMINED BY CITY ENGINEER IN THE FIELD.
  - TRAFFIC CONTROL SIGNS SHALL BE SIZED IN ACCORDANCE WITH CONVENTIONAL ROADWAY STANDARDS OF THE MUTCD.
  - TRAFFIC CONTROL SIGNS SHALL BE SPACED IN ACCORDANCE WITH THE MUTCD AND OTTC FOR 35 MPH VEHICULAR SPEEDS.
  - LANE SHIFTING AND MERGER TAPERS SHALL HAVE A LENGTH NECESSARY TO ACCOMMODATE 35 MPH VEHICULAR SPEEDS.
  - 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.
  - THE MINIMUM VEHICLE TRAVEL LANE WIDTH SHALL BE A 12-FOOT CLEAR DISTANCE PERPENDICULAR TO THE DIRECTION OF TRAVEL.
  - CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN FOR ASPHALT CONCRETE PAVING AT THE PRE-PAVING MEETING.
  - 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.

NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019
BCB DRAFTED	04/05/2020
WLM/JAG CHECKED	6/30/2020
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**CITY OF MILWAUKIE**

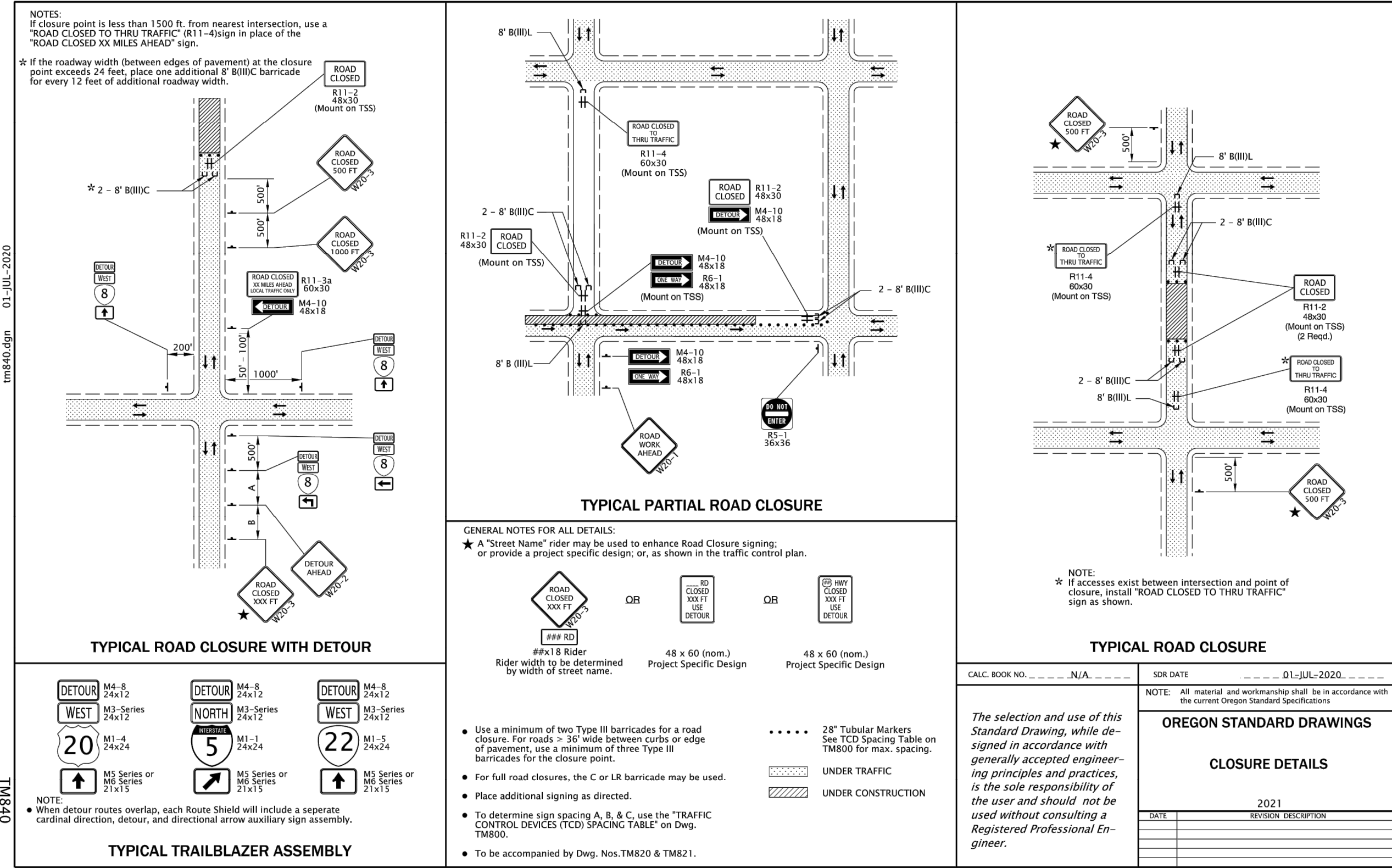
6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

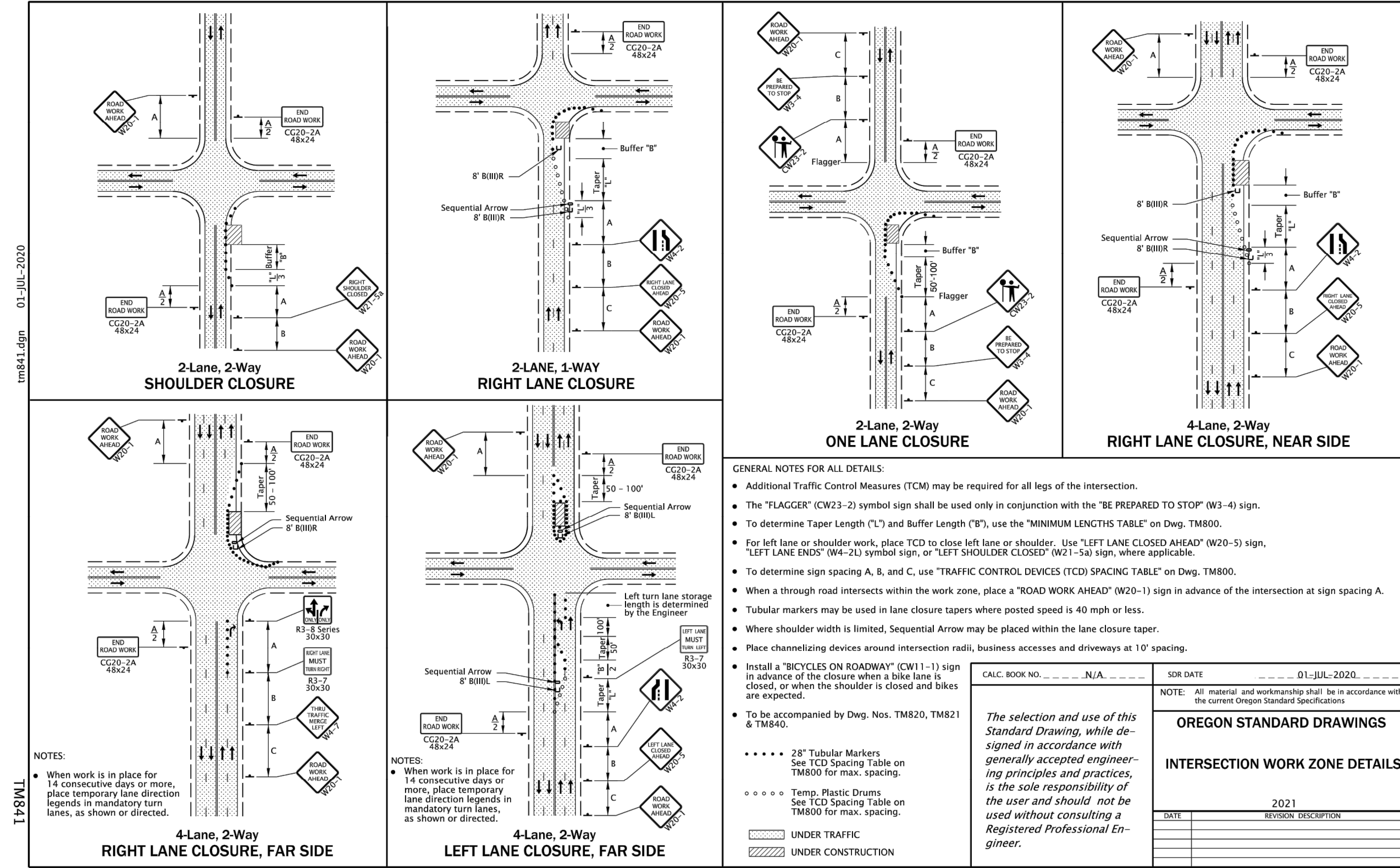
**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
TRAFFIC CONTROL PLAN

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: TR1
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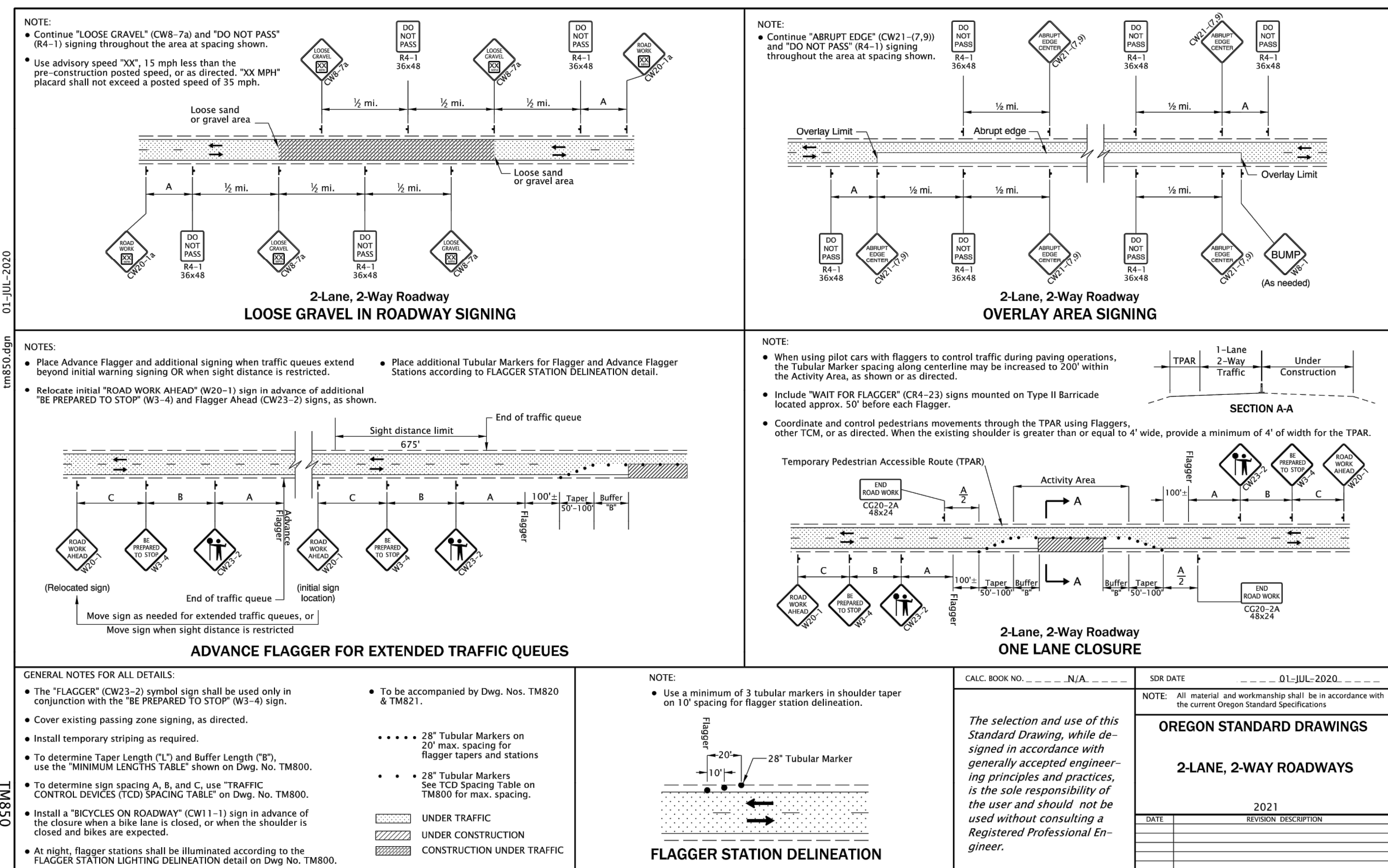




Effective Date: June 1, 2021 - November 30, 2021 TM840



Effective Date: June 1, 2021 - November 30, 2021 TM841



Effective Date: June 1, 2021 - November 30, 2021 TM850

NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019	DATE
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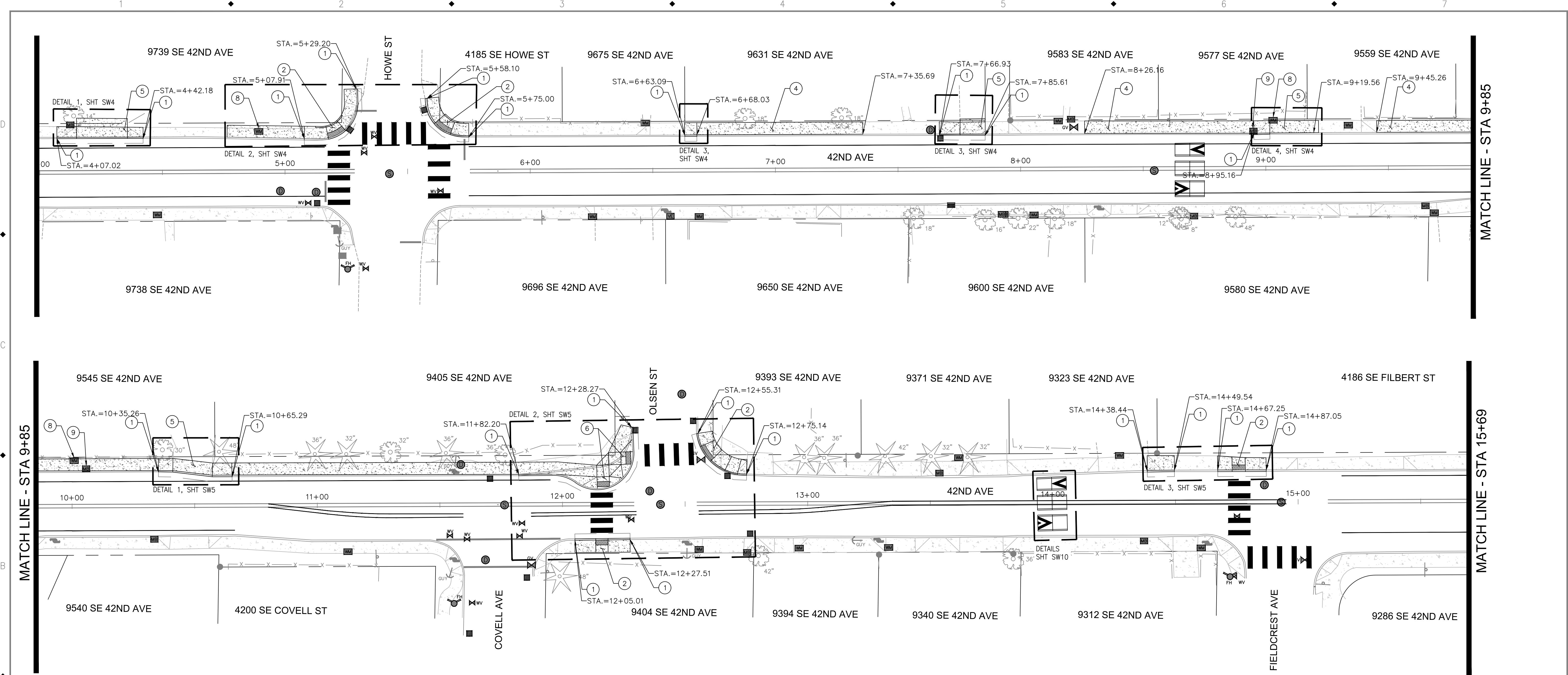
REGISTERED PROFESSIONAL ENGINEER  
 83728PE  
 WYNNE & COPPELAND BRITTELL  
 OREGON  
 MAY 22, 2005  
 ELIZABETH COPPELAND BRITTELL  
 EXPIRES: 12/31/2021

**CITY OF MILWAUKIE**  
 6101 SE JOHNSON CREEK BLVD.  
 MILWAUKIE, OR 97206  
 PHONE: 503-786-7600  
 FAX: 503-774-8236

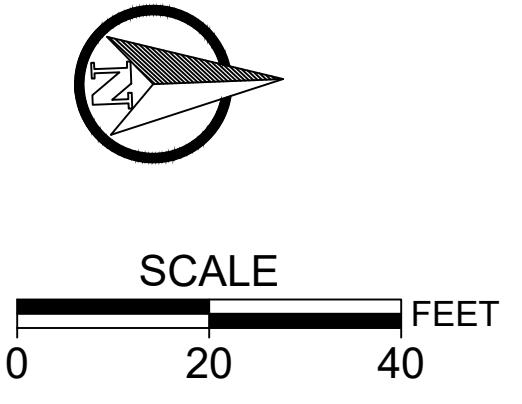
**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**TRAFFIC CONTROL PLAN**

PROJECT NO.: CIP 2020-A10 CONTRACT NO.: DATE: 10/20/2020 SHEET NO.: TR2





- SIDEWALK AND PAVING CONSTRUCTION NOTES:**
- ① INSTALL 6" STANDARD CURB. OSD RD 700.
  - ② INSTALL PARALLEL CURB RAMP. OSD RD 920.
  - ③ INSTALL PERPENDICULAR CURB RAMP. OSD RD 910.
  - ④ INSTALL SIDEWALK. OSD 720.
  - ⑤ INSTALL CURB LINE SIDEWALK DRIVEWAY. OSD RD 735. OPTION G.
  - ⑥ INSTALL PERPENDICULAR CURB RAMP. OSD RD 912.
  - ⑦ NOT USED.
  - ⑧ ADJUST WATER METER BOX TO FINISHED GRADE.
  - ⑨ REINSTALL MAILBOX. OSD RD 100 & 101.



NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019
DATE	
BCB DRAFTED	04/05/2020
DATE	
WLM/JAG CHECKED	6/30/2020
DATE	
SRA APPROVED	5/18/2021
DATE	



**CITY OF MILWAUKIE**

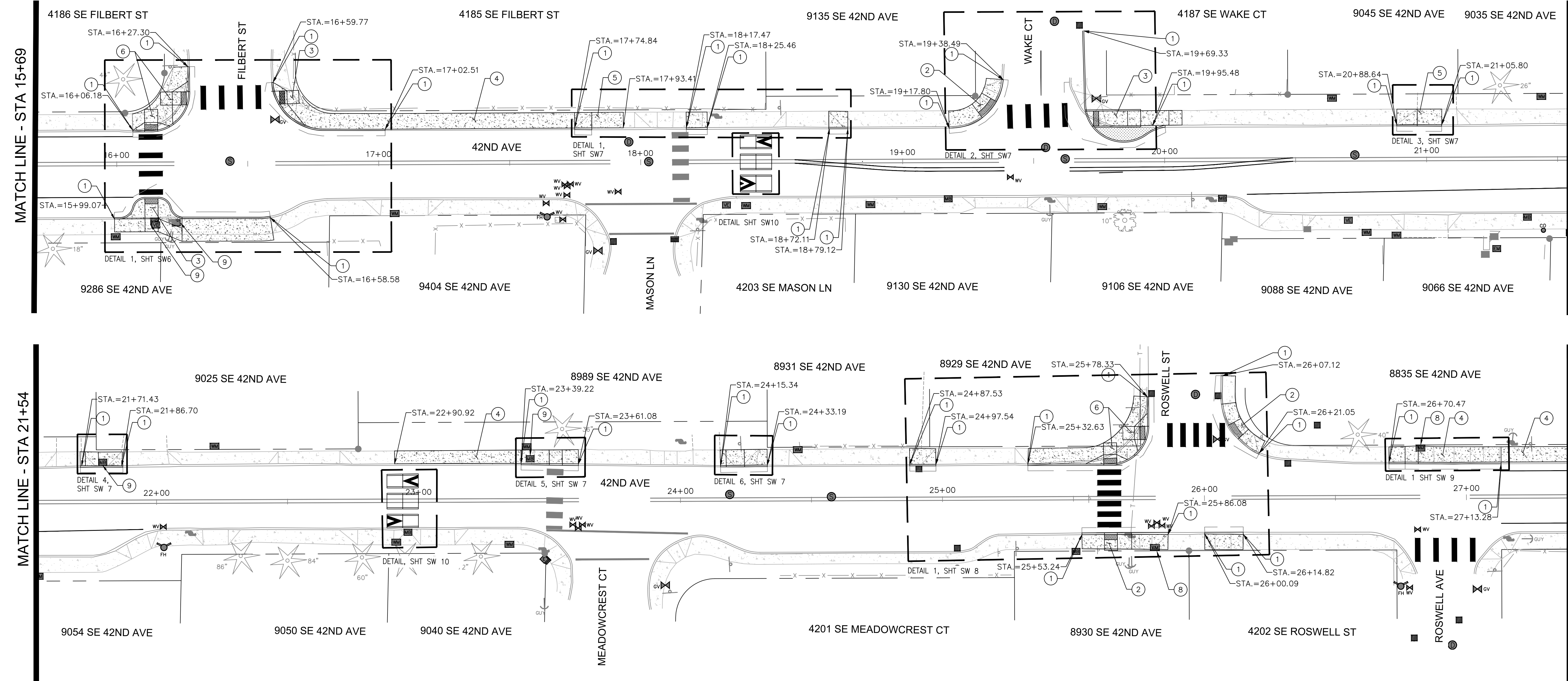
6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

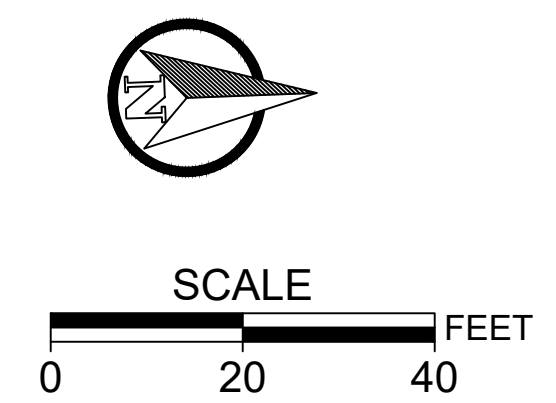
**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
SIDEWALK PLAN

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SW1
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- SIDEWALK AND PAVING CONSTRUCTION NOTES:**
- ① INSTALL 6" STANDARD CURB. OSD RD 700.
  - ② INSTALL PARALLEL CURB RAMP. OSD RD 920.
  - ③ INSTALL PERPENDICULAR CURB RAMP. OSD RD 910.
  - ④ INSTALL SIDEWALK. OSD 720.
  - ⑤ INSTALL CURB LINE SIDEWALK DRIVEWAY. OSD RD 735. OPTION C.
  - ⑥ INSTALL PERPENDICULAR CURB RAMP. OSD RD 912.
  - ⑦ NOT USED.
  - ⑧ ADJUST WATER METER BOX TO FINISHED GRADE.
  - ⑨ REINSTALL MAILBOX. OSD RD 100 & 101.



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BCB DRAFTED	04/05/2020	DATE
WLM/JAG CHECKED	6/30/2020	DATE
SRA APPROVED	5/18/2021	DATE

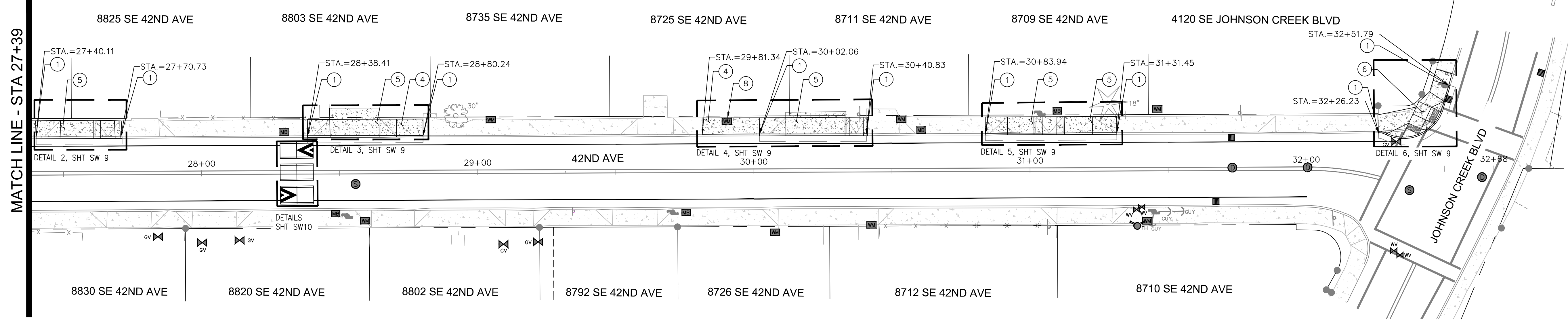


**CITY OF MILWAUKIE**  
 6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206  
 PHONE: 503-786-7600  
 FAX: 503-774-8236

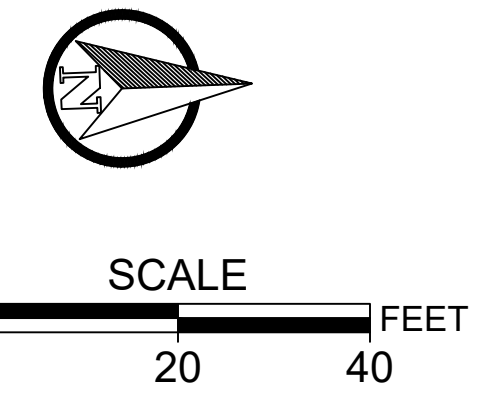
**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SIDEWALK PLAN**

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SW2
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- SIDEWALK AND PAVING CONSTRUCTION NOTES:**
- ① INSTALL 6" STANDARD CURB. OSD RD 700.
  - ② INSTALL PARALLEL CURB RAMP. OSD RD 920.
  - ③ INSTALL PERPENDICULAR CURB RAMP. OSD RD 910.
  - ④ INSTALL SIDEWALK. OSD 720.
  - ⑤ INSTALL CURB LINE SIDEWALK DRIVEWAY. OSD RD 735. OPTION G.
  - ⑥ INSTALL PERPENDICULAR CURB RAMP. OSD RD 912.
  - ⑦ NOT USED.
  - ⑧ ADJUST WATER METER BOX TO FINISHED GRADE.
  - ⑨ REINSTALL MAILBOX. OSD RD 100 & 101.



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**CITY OF MILWAUKIE**  
 6101 SE JOHNSON CREEK BLVD.  
 MILWAUKIE, OR 97206  
 PHONE: 503-786-7600  
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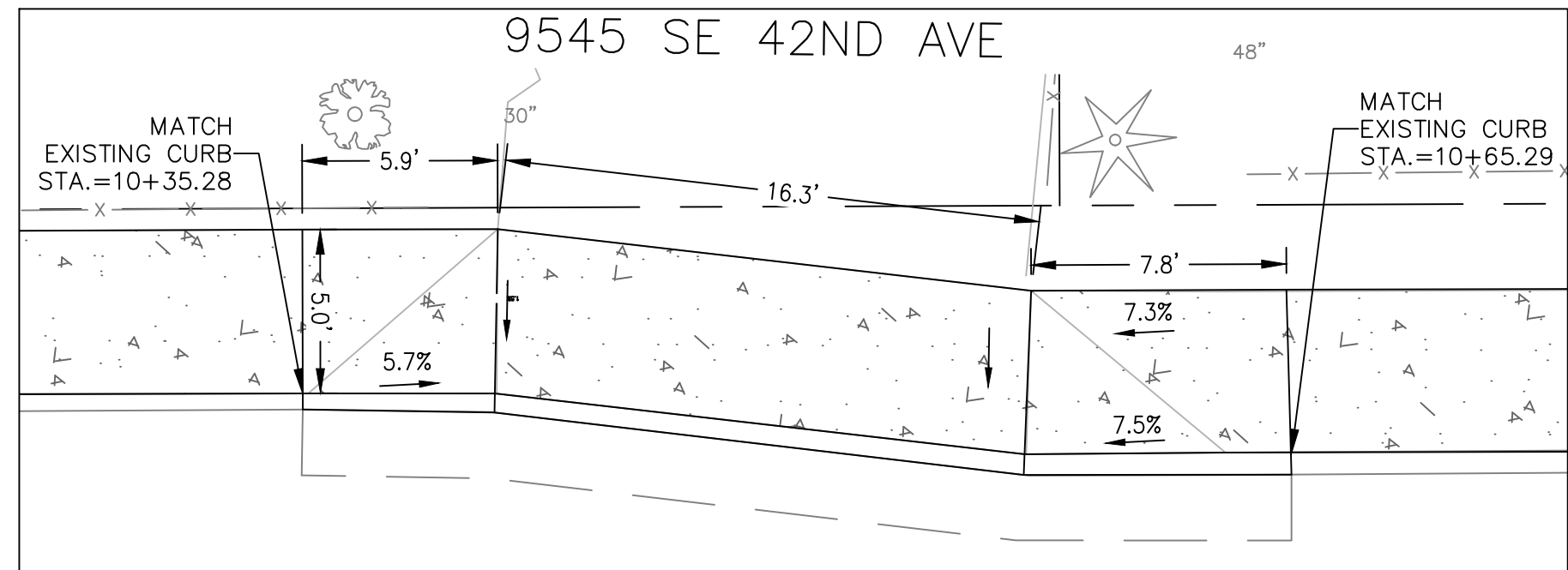
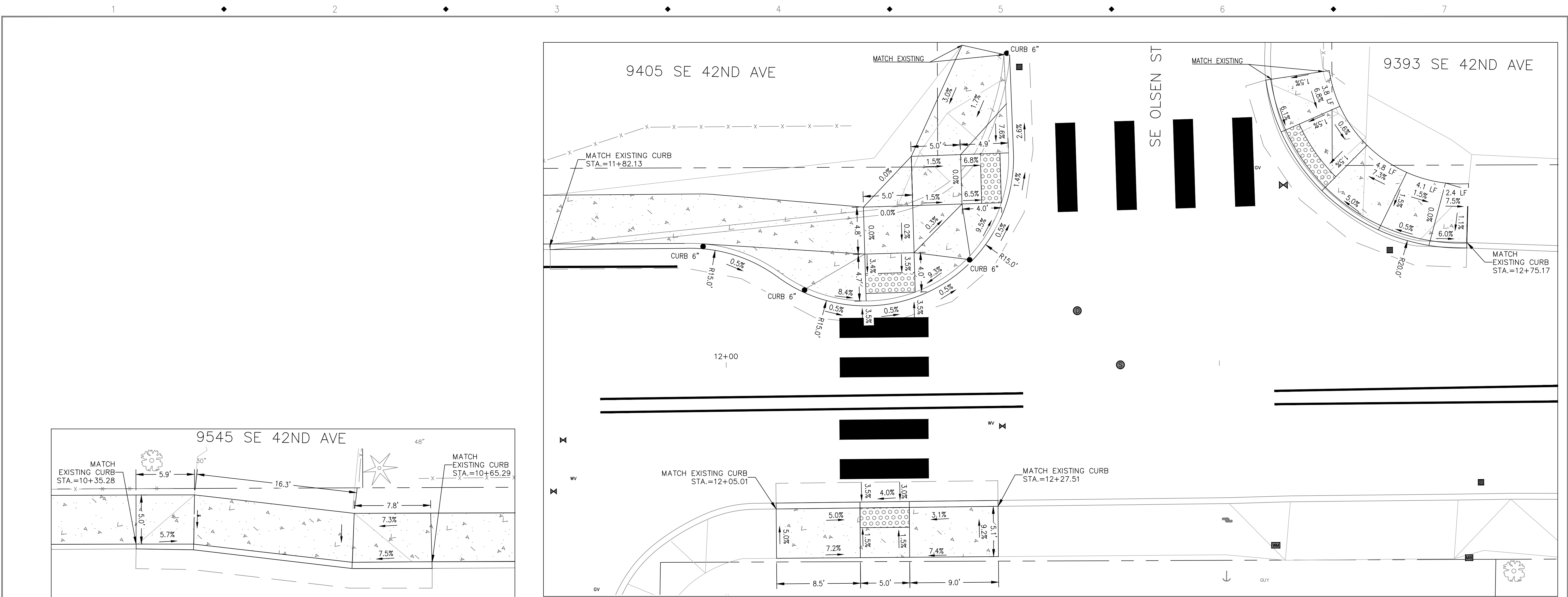
**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SIDEWALK PLAN**

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SW3
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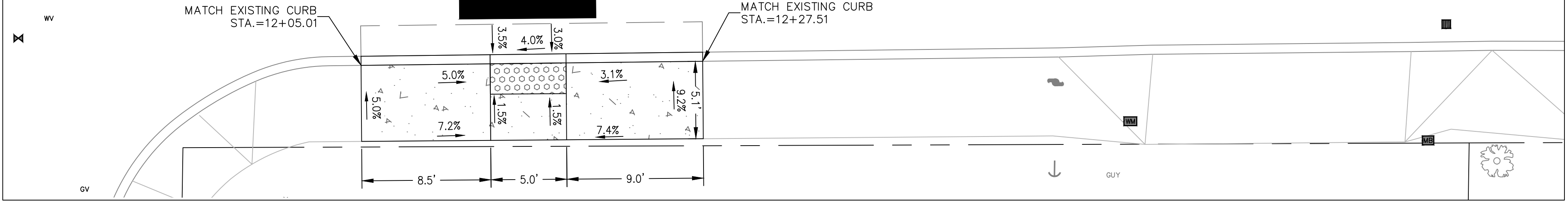




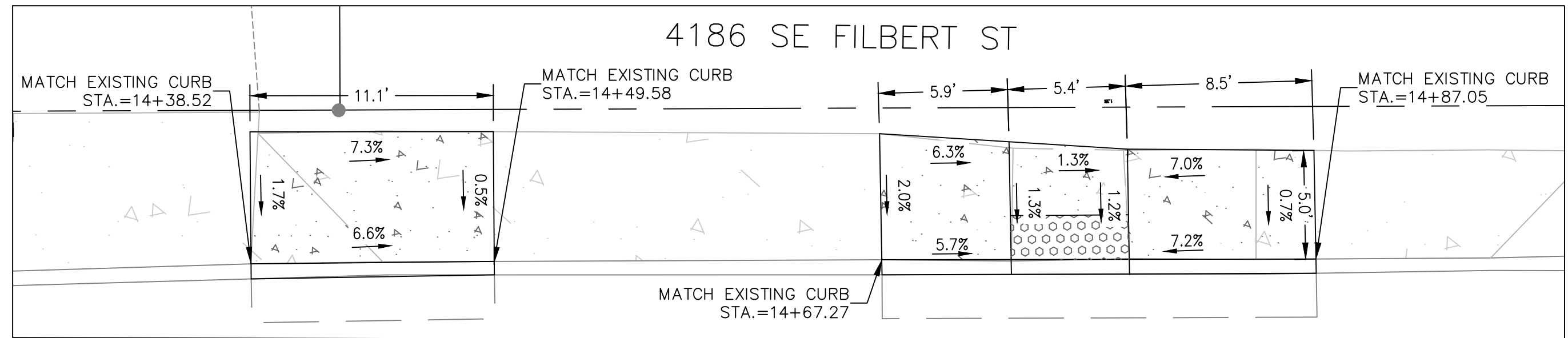




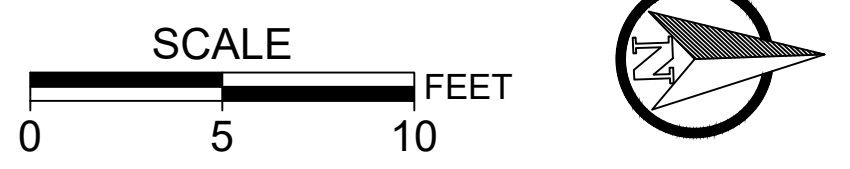
① DETAIL - STA: 10+835.26 TO 10+65.29



② DETAIL - STA: 11+82.20 TO 12+75.17

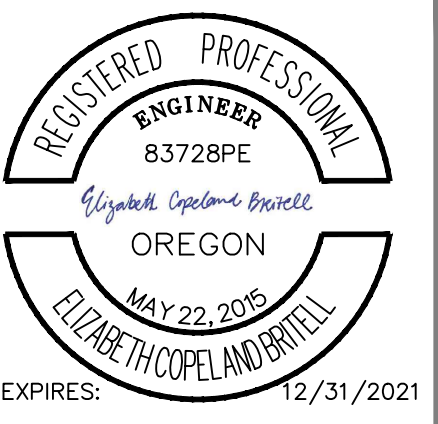


③ DETAIL - STA: 14+38.44 TO 14+87.05



NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019	DATE
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WLM/JAG CHECKED	6/30/2020	DATE
SRA APPROVED	5/18/2021	DATE



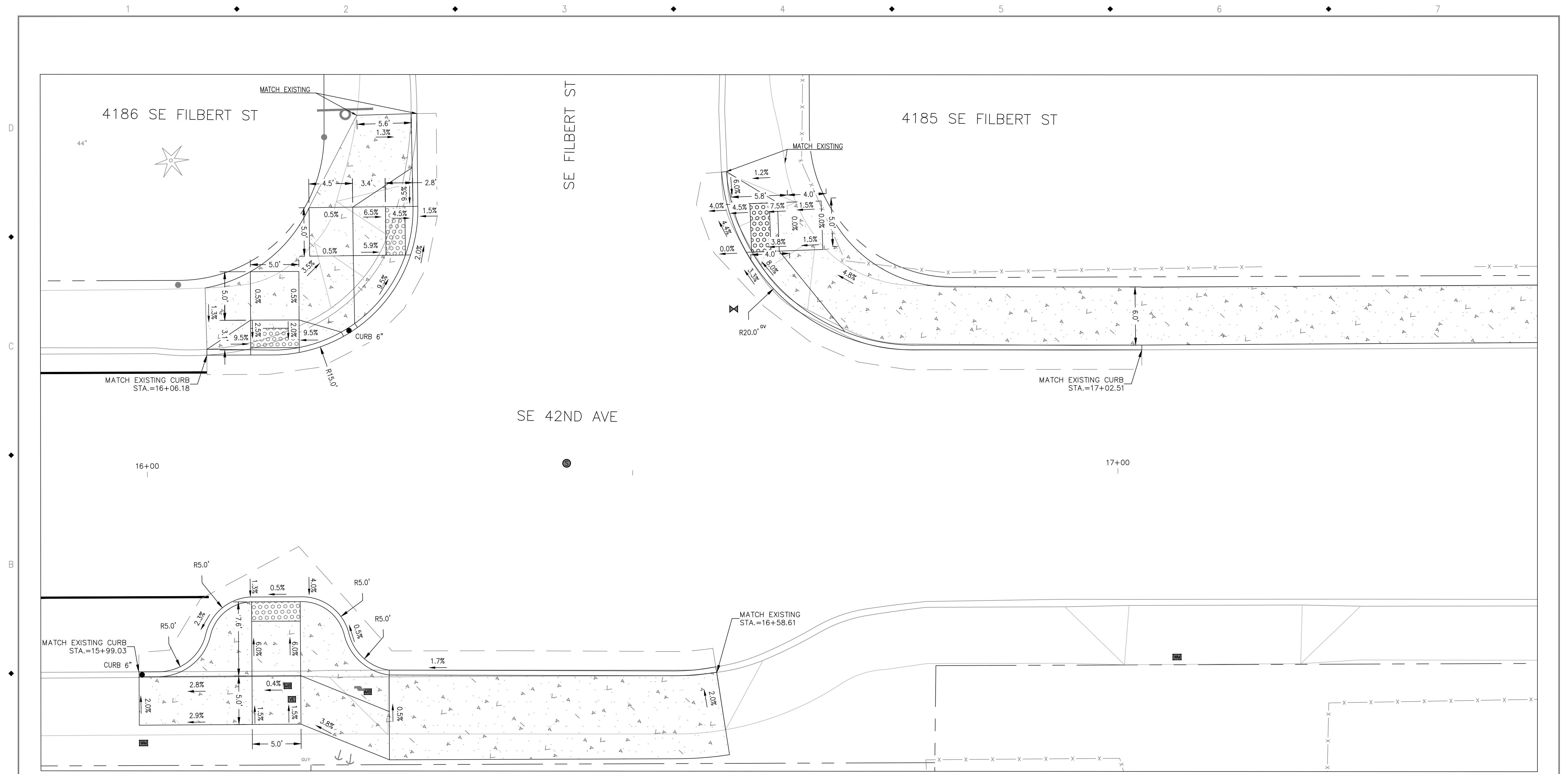
**CITY OF MILWAUKIE**

6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206  
 PHONE: 503-786-7600 FAX: 503-774-8236

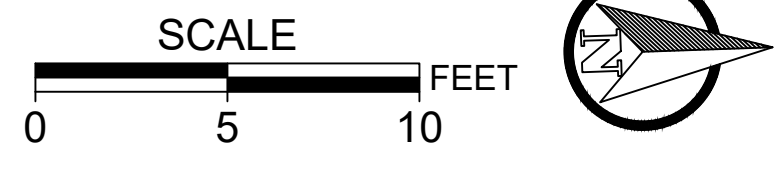
**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SIDEWALK GRADING DETAILS**

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SW5
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1 DETAIL - STA: 15+99.03 TO 17+02.51



NO.	DATE	BY	REVISIONS

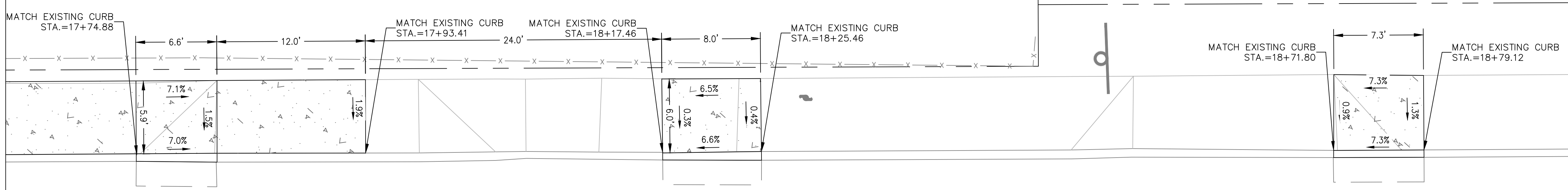
BCB DESIGNED	10/11/2019
BCB DRAFTED	04/05/2020
WLM/JAG CHECKED	6/30/2020
SRA APPROVED	5/18/2021



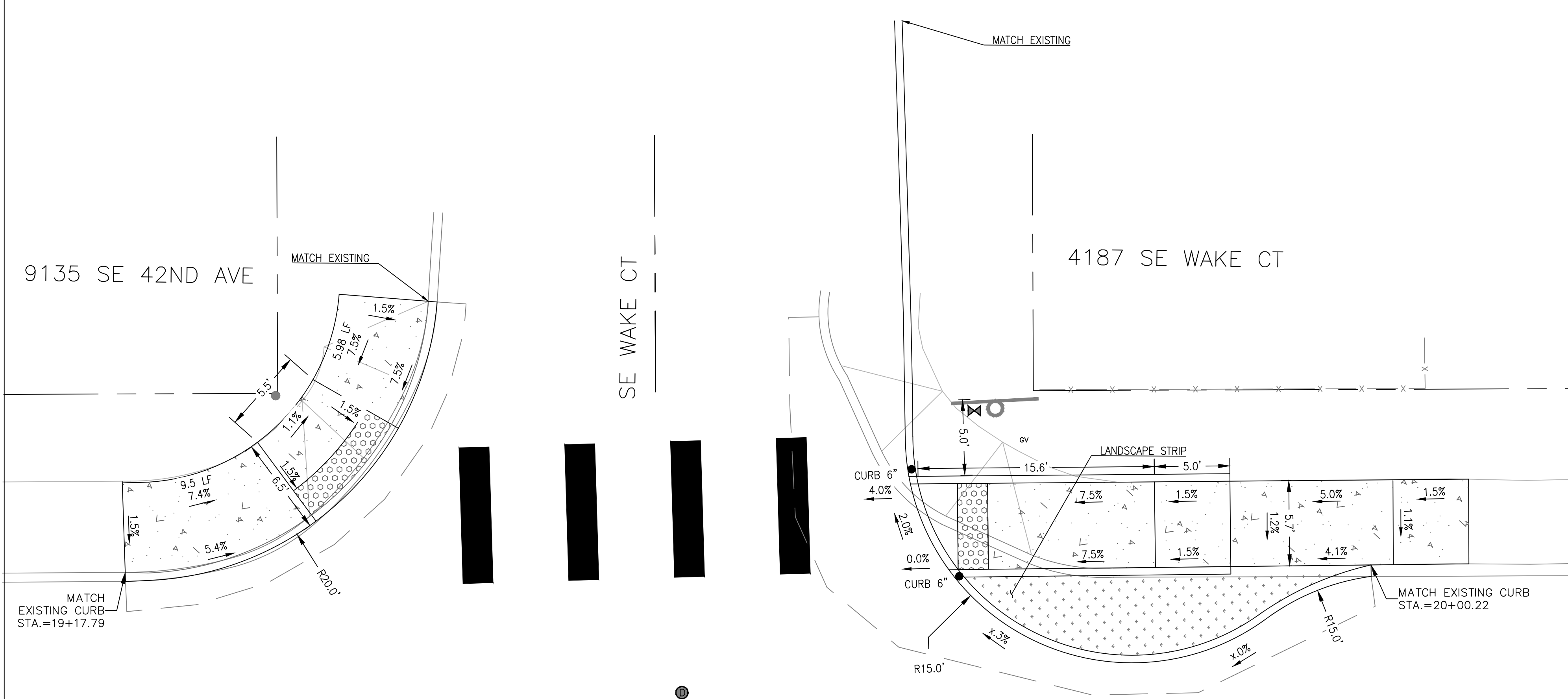

**CITY OF MILWAUKIE**  
 6101 SE JOHNSON CREEK BLVD.  
 MILWAUKIE, OR 97206  
 PHONE: 503-786-7600  
 FAX: 503-774-8236

BID SCHEDULE A		42ND AVENUE SAFE PROJECT		SIDEWALK GRADING DETAILS	
PROJECT NO.:	CIP 2020-A10	CONTRACT NO.:		DATE:	10/20/2020
				SHEET NO.:	SW6

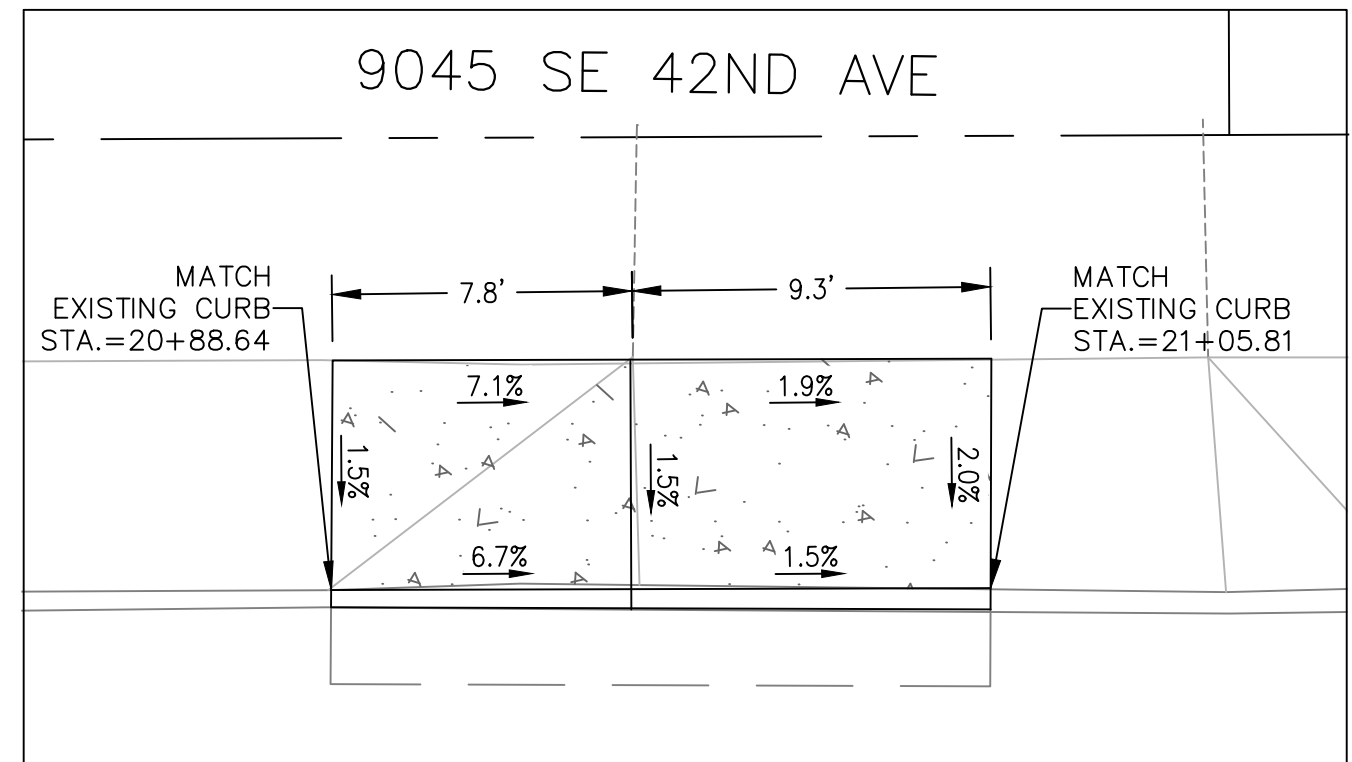




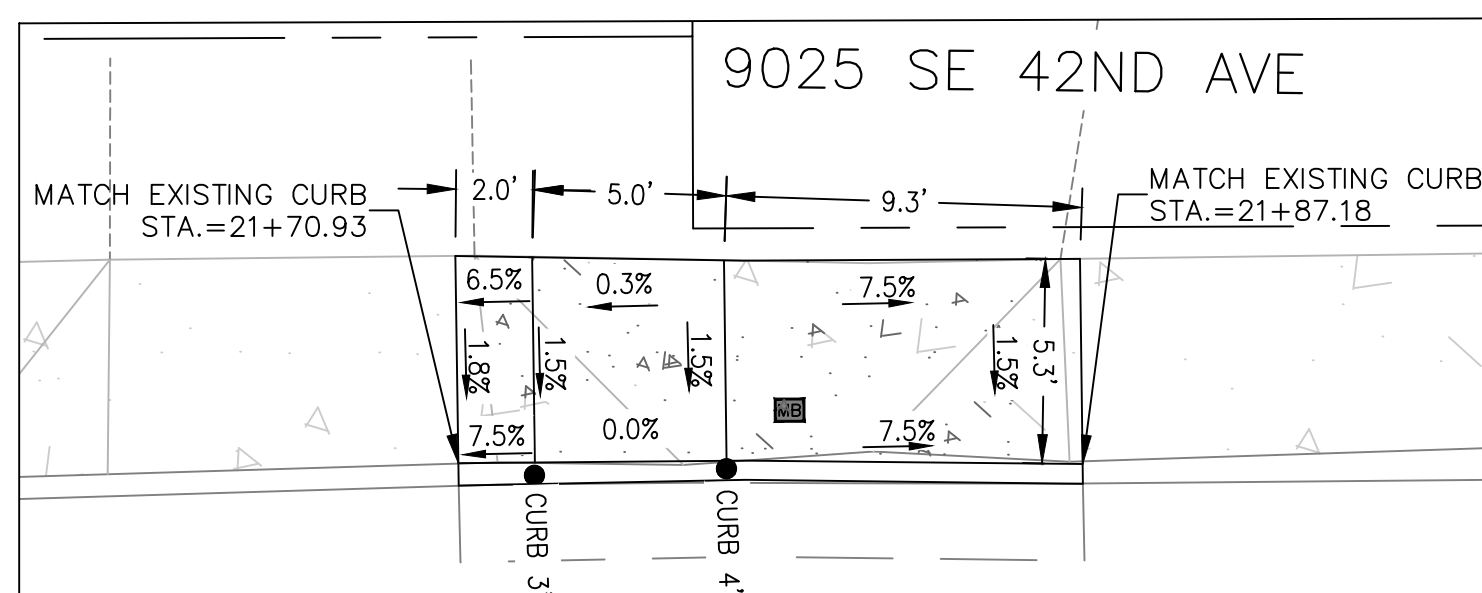
1 DETAIL - STA: 17+74.88 TO 18+79.12



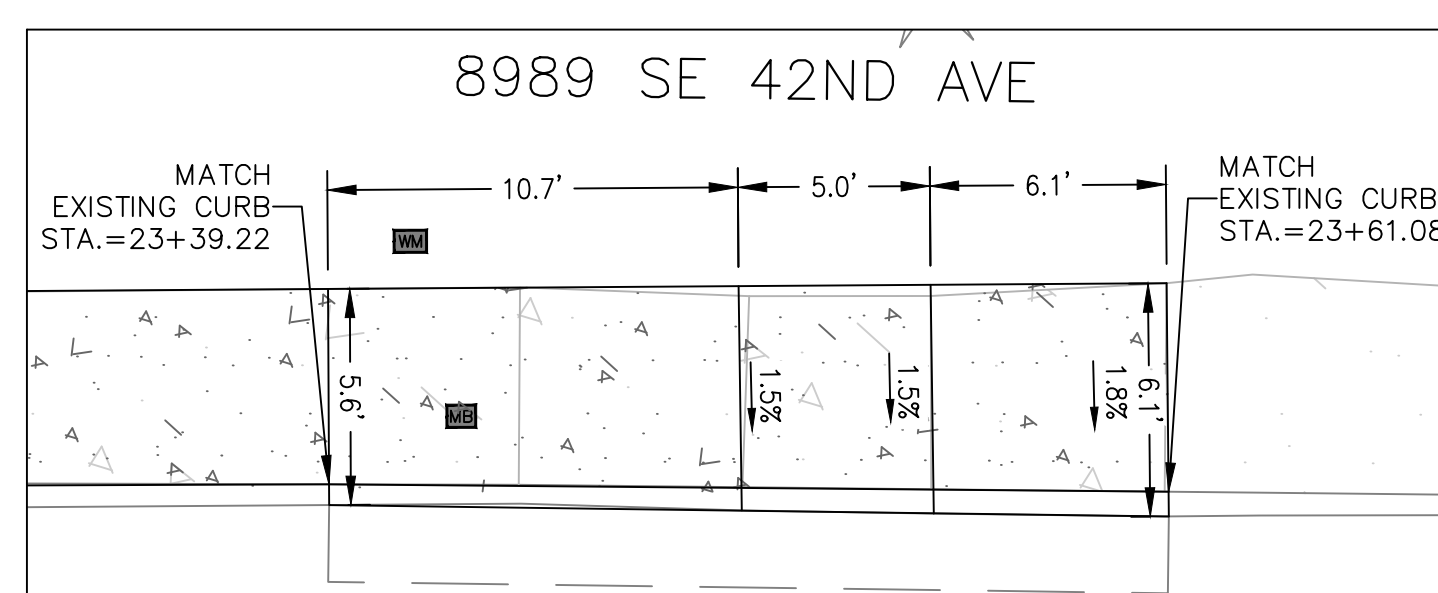
3 DETAIL - STA: 19+17.80 TO 19+95.48



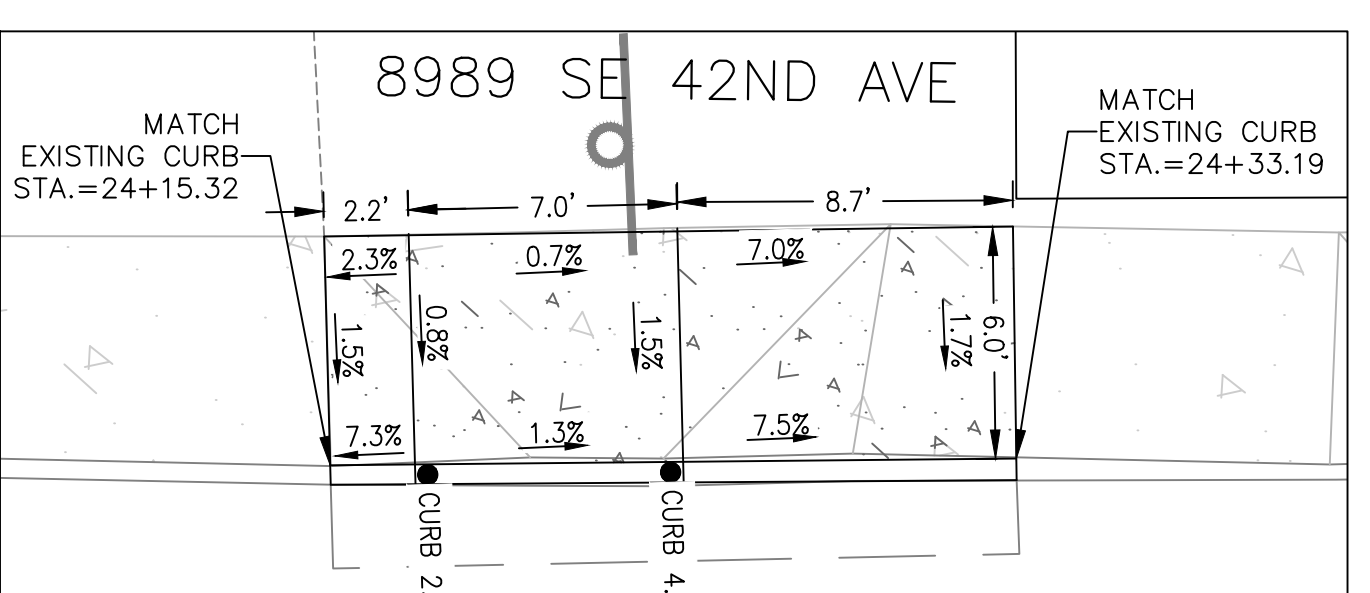
2 DETAIL - STA: 20+88.64 TO 21+05.80



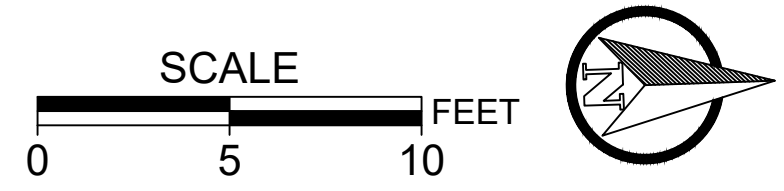
4 DETAIL - STA: 21+70.93 TO 21+87.18



5 DETAIL - STA: 23+39.22 TO 23+61.08



6 DETAIL - STA: 24+15.34 TO 24+33.19



NO.	DATE	BY	REVISIONS

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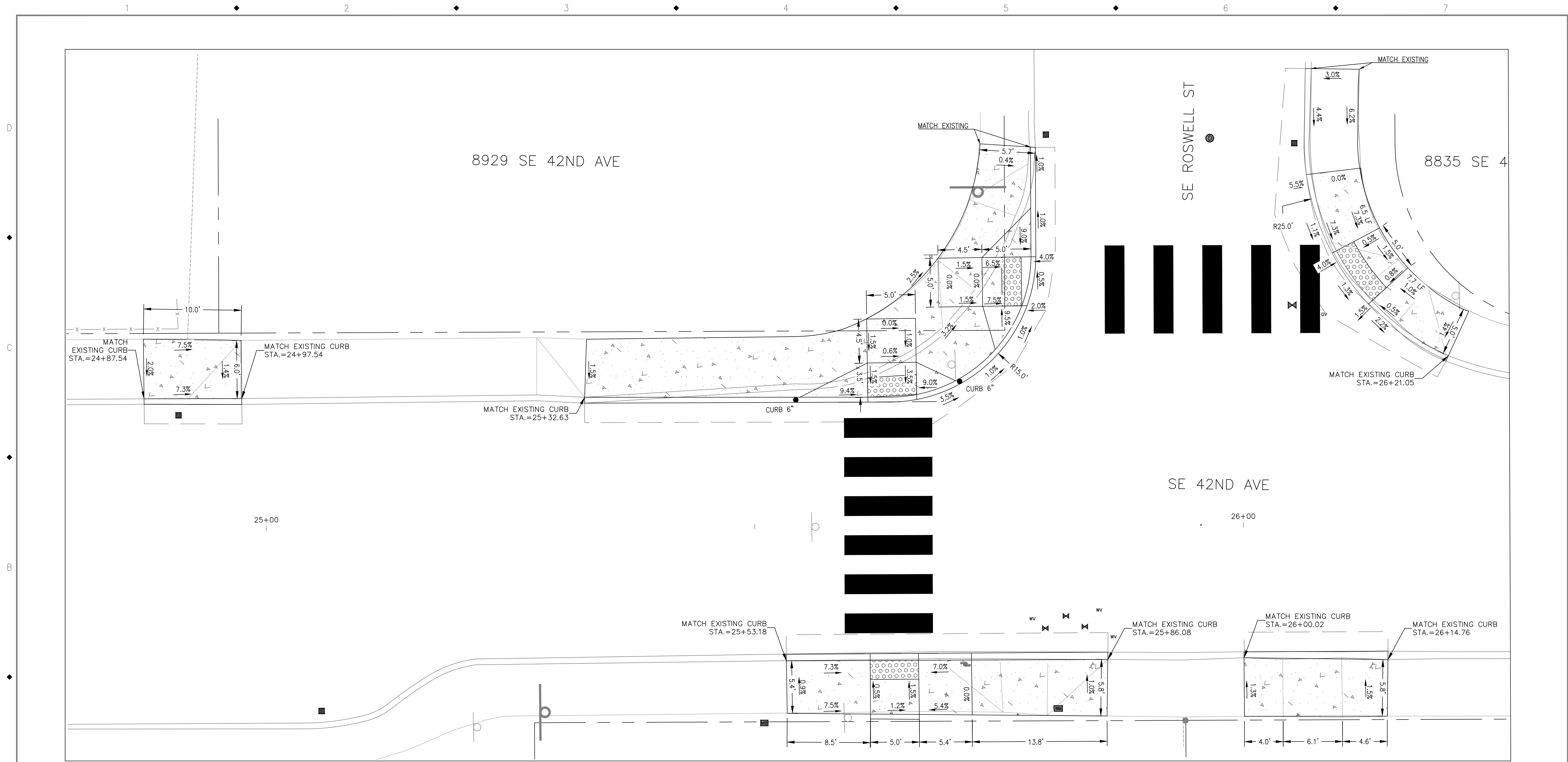


6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206  
PHONE: 503-786-7600  
FAX: 503-774-8236

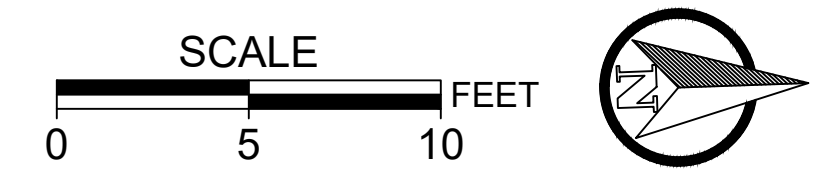
**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
SIDEWALK GRADING DETAILS

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SW7
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① DETAIL - STA: 24+87.54 TO 26+20.84



NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019	DATE
BCB DRAFTED	04/05/2020	DATE
WLM/JAG CHECKED	6/30/2020	DATE
SRA APPROVED	5/18/2021	DATE





# CITY OF MILWAUKIE

6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

## BID SCHEDULE A

### 42ND AVENUE SAFE PROJECT

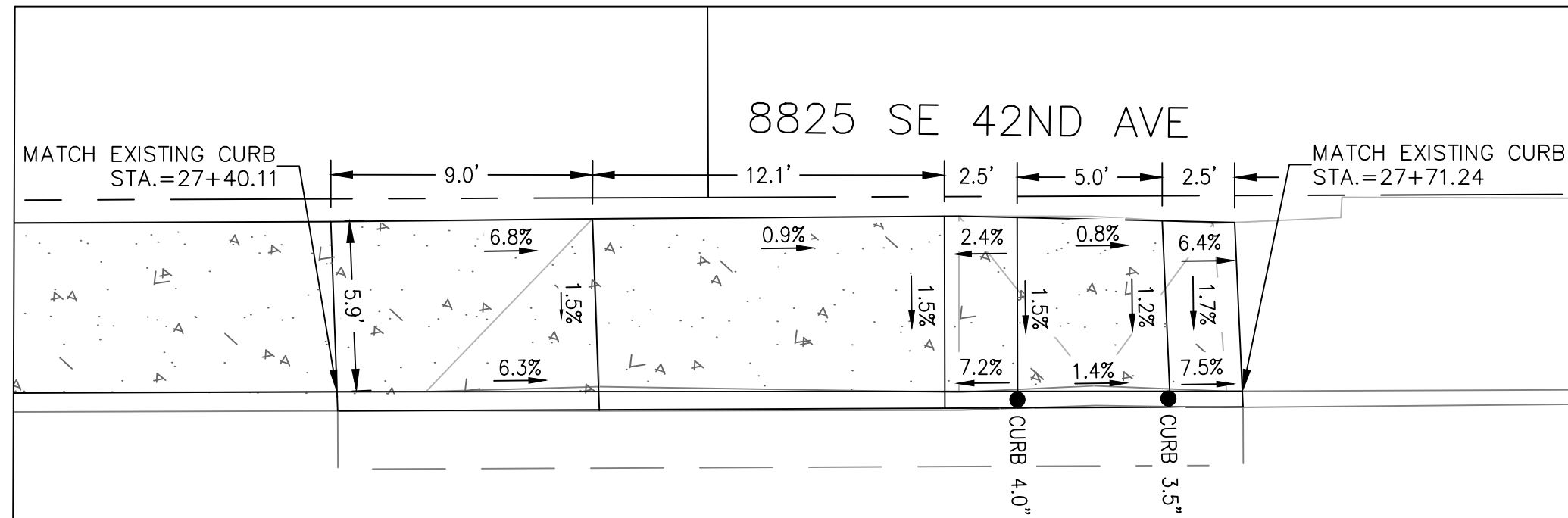
### SIDEWALK GRADING DETAILS

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SW8
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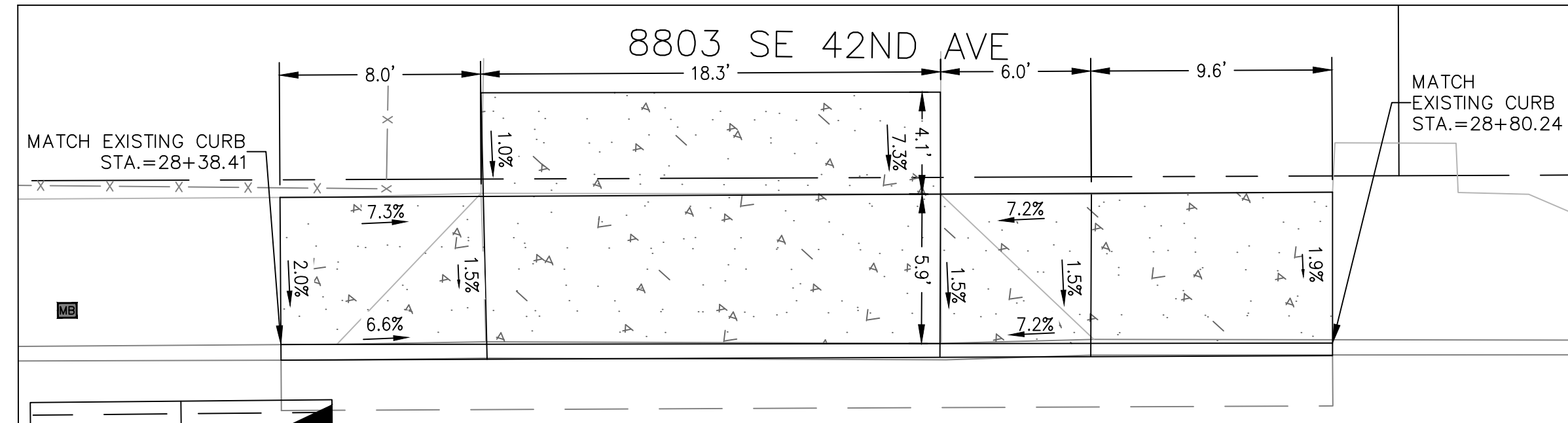




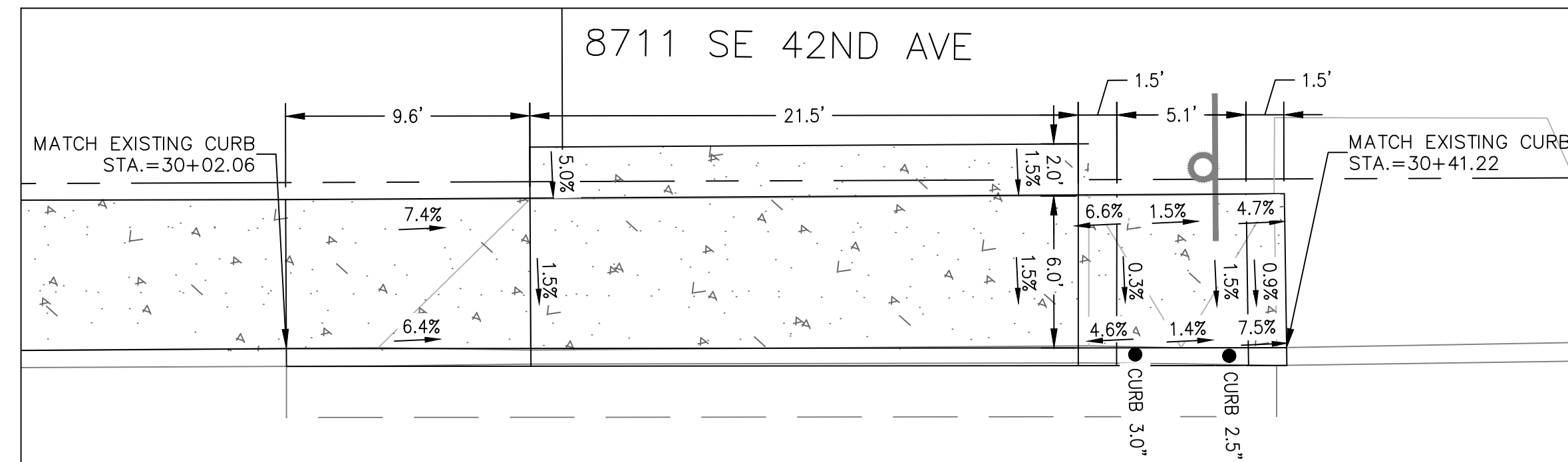
1 DETAIL - STA: 26+70.47 TO 27+13.28



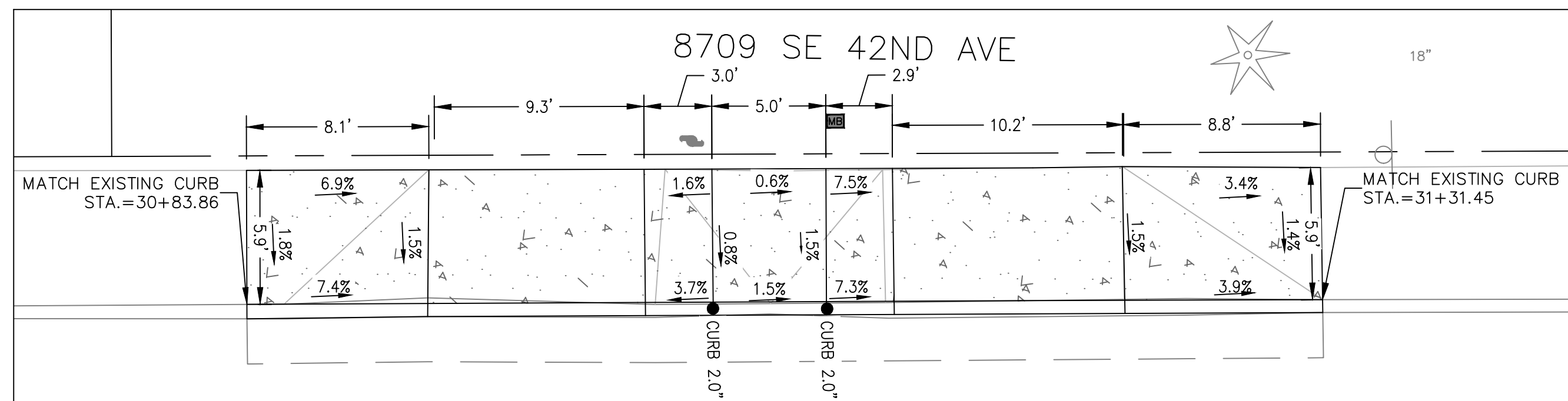
2 DETAIL - STA: 27+40.11 TO 27+71.24



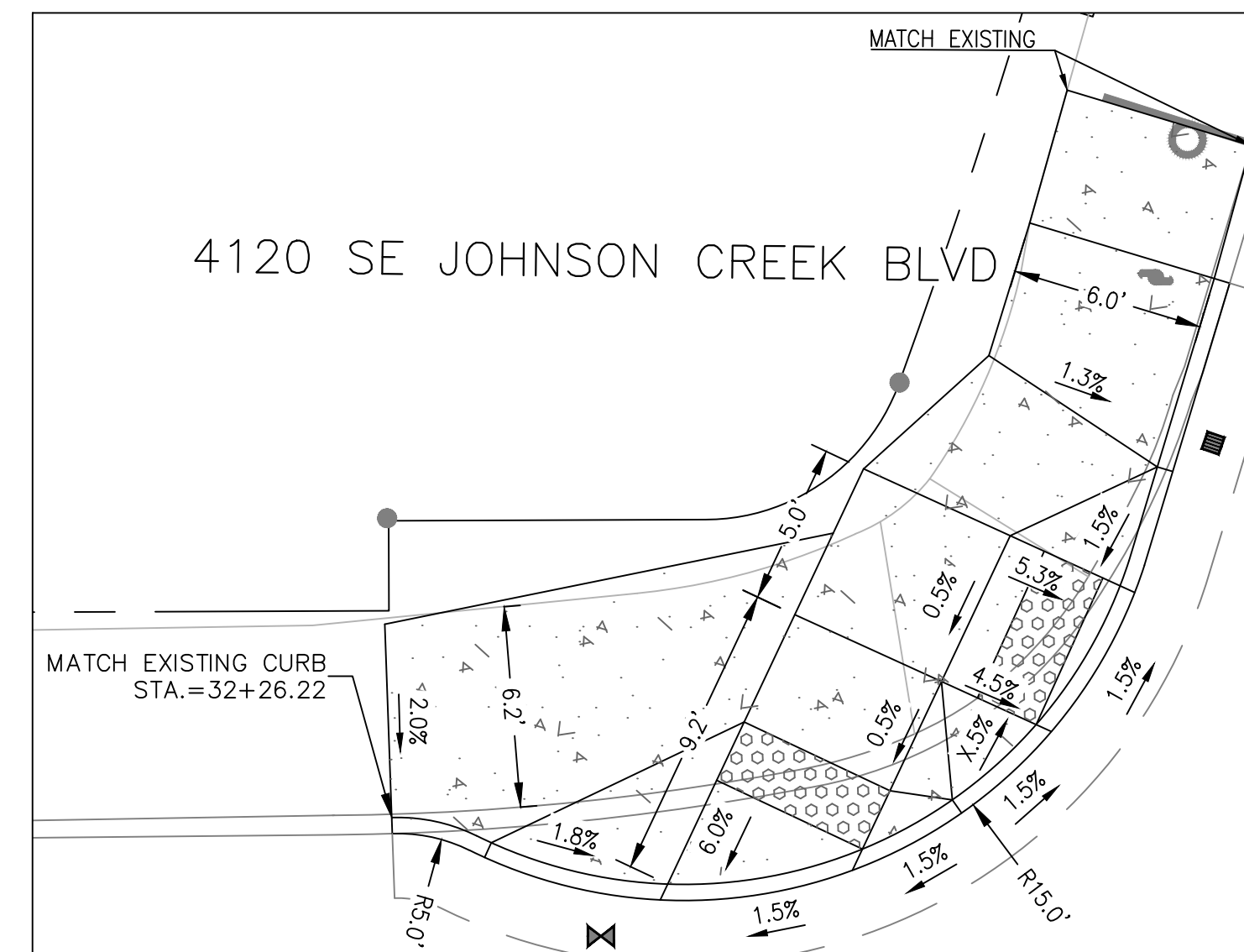
3 DETAIL - STA: 28+38.41 TO 28+80.24



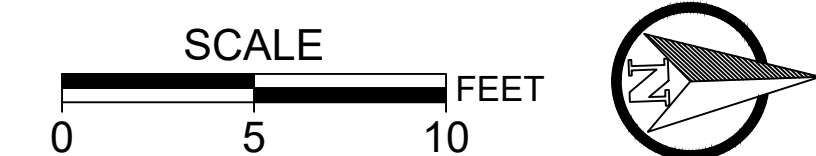
4 DETAIL - STA: 29+81.34 TO 30+41.22



5 DETAIL - STA: 30+83.86 TO 31+31.45

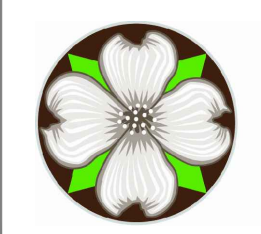


6 DETAIL - STA: 32+29.70 TO 32+50.89



NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019	DATE
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SRA APPROVED	5/18/2021	DATE



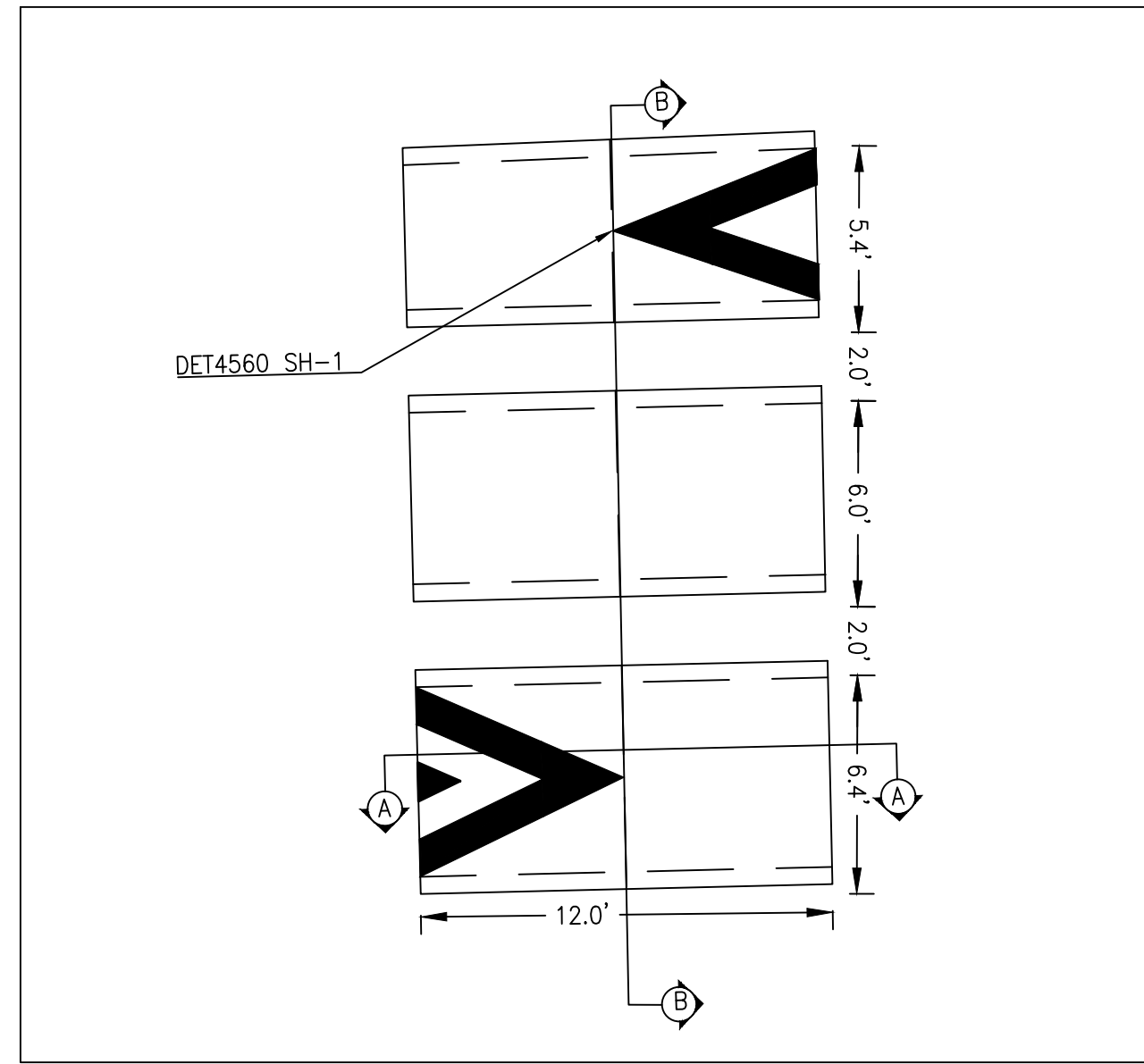
**CITY OF MILWAUKIE**

6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206  
PHONE: 503-786-7600  
FAX: 503-774-8236

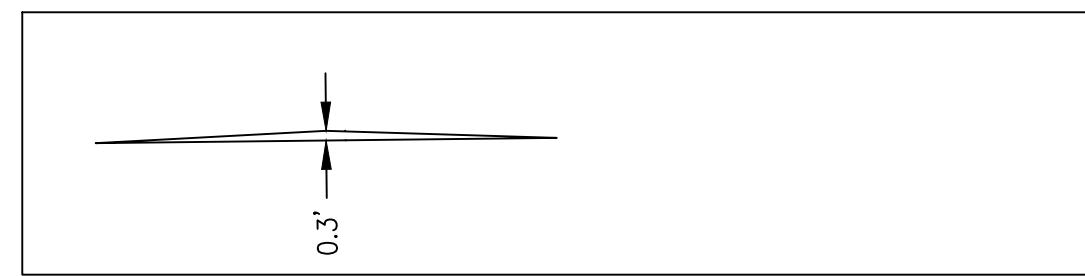
**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
SIDEWALK GRADING DETAILS

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SW9
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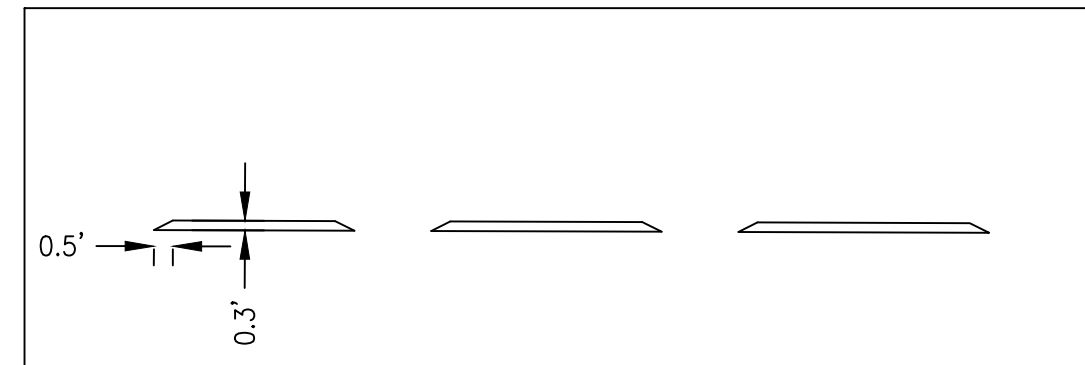




1 DETAIL - SPEED HUMP



A SPEED HUMP CROSS SECTION



B SPEED HUMP CROSS SECTION

<p><b>SPEED HUMP (white)</b> Center marking within lane width. For letter proportion details, see current version of Standard Highway Signs.</p>	<p><b>SPEED HUMP ADVANCE WARNING MARKING (white)</b></p>	<p><b>SPEED HUMP MARKING USED WITH CROSSWALK LEADING EDGE (white)</b></p>	<p><b>SPEED HUMP MARKING USED WITH CROSSWALK SYMMETRIC LEADING &amp; TRAILING EDGES (white)</b></p>	<p><b>SPEED HUMP MARKING ASYMMETRIC LEADING &amp; TRAILING EDGES (white)</b></p>
<p><b>SPEED HUMP MARKING LEADING EDGE (white)</b></p>	<p><b>SPEED HUMP MARKING SYMMETRIC LEADING &amp; TRAILING EDGES (white)</b></p>	<p><b>STAGGERED CONTINENTAL CROSSWALK</b> 1 FT WHITE BARS Install per Standard Drawing TMS30.</p>	<p><b>SHARED PATH BROKEN LINE</b> 4\"/&gt; </p>	

**NOTE TO DESIGNERS:**

- 1.) Raised Pavement Marker Substitution details should no longer be used on state highways. Consider durable profiled lines instead.
- 2.) Speed hump markings generally not used on state highway right-of-way.
- 3.) When continental style crosswalks are to be installed on a project (this may require Region Traffic Engineer approval depending on the situation. See Traffic Line Manual for further information), do not use CW-SC2 in Regions 1 thru 4. Only use CW-SC2 in Region 5 if the region striping manager approves, otherwise use the standard CW-SC shown in Standard Drawing TMS03.
- 4.) Shared Lane Marking should not be used on roadways with a speed limit above 35 mph.

<p><b>4\"/&gt; </b></p>	<p><b>4\"/&gt; </b></p>	<p><b>4\"/&gt; </b></p>	<p><b>4\"/&gt; </b></p>	<p><b>4\"/&gt; </b></p>
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**General note:**

- 1.) Surface mount Raised Pavement Markers (RPMs) unless otherwise specified.

**LEGEND**

- Direction of Travel, Increasing Stationing Or Thru Traffic Side.
- Lane line dimensions are shown on the striping plans.
- Mono-directional crystal white marker reflects white to the left in this symbol
- Bi-directional yellow marker reflects yellow both left and right in this symbol

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

<b>OREGON DEPARTMENT OF TRANSPORTATION</b> TECHNICAL SERVICES DETAILS		DETAIL NO. <b>DET4560</b>
<b>PAVEMENT MARKING</b> <b>DETAIL BLOCKS</b>		



NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019
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SRA APPROVED	5/18/2021



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MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SPEED HUMP DETAILS**

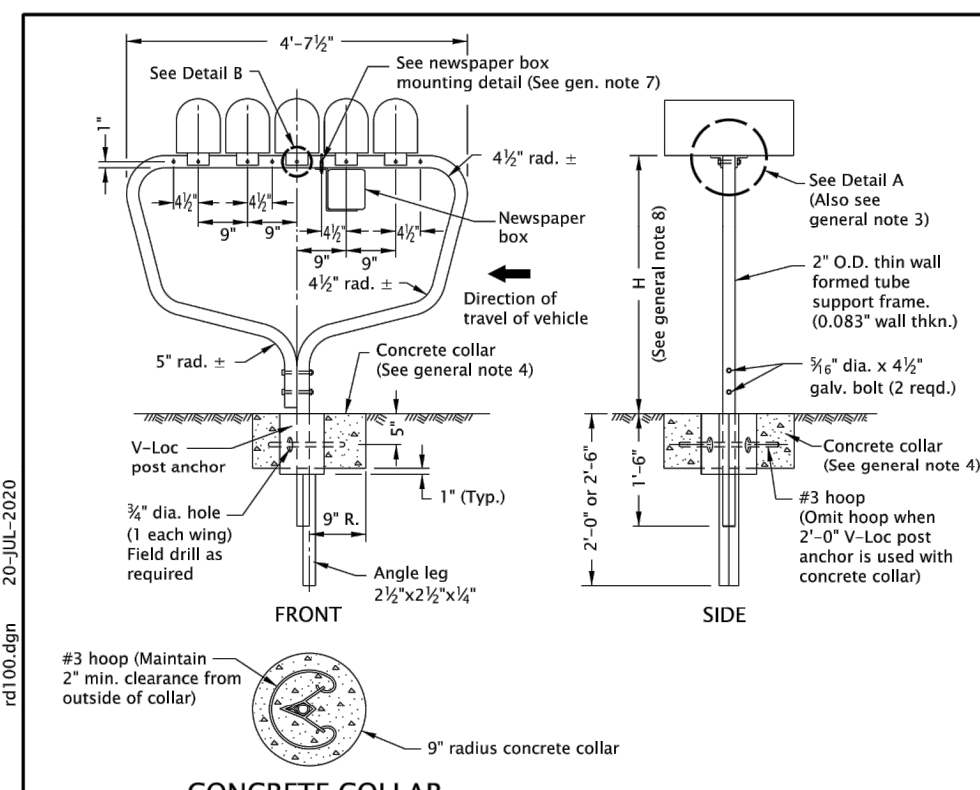
PROJECT NO.: CIP 2020-A10

CONTRACT NO.:

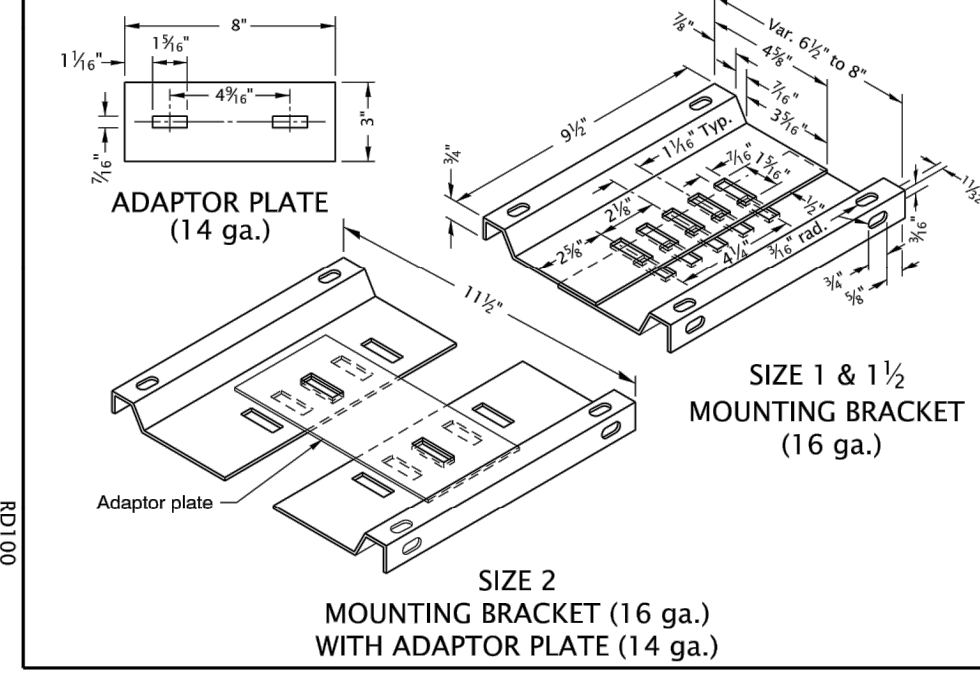
DATE: 10/20/2020

SHEET NO.: SW10

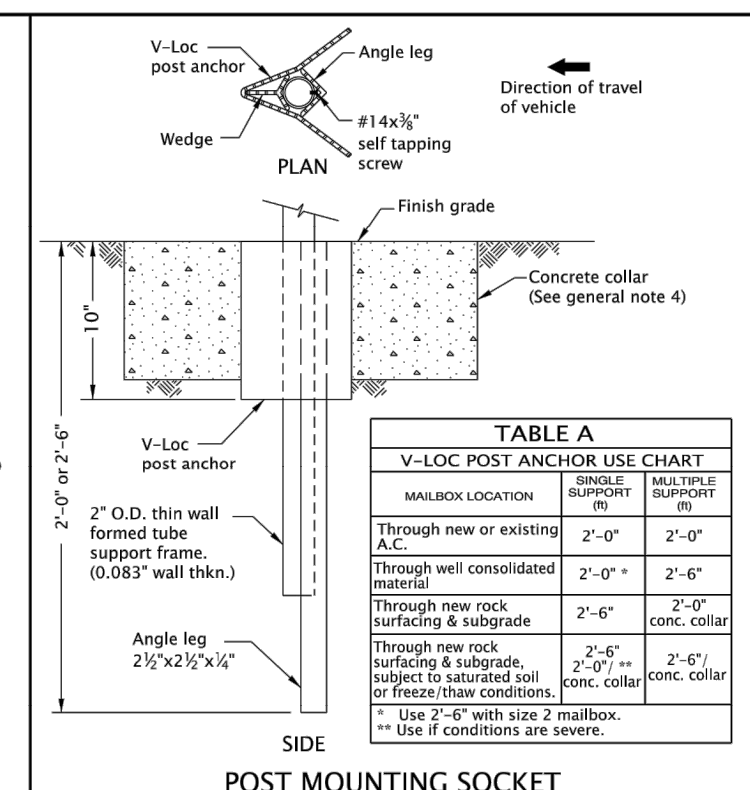




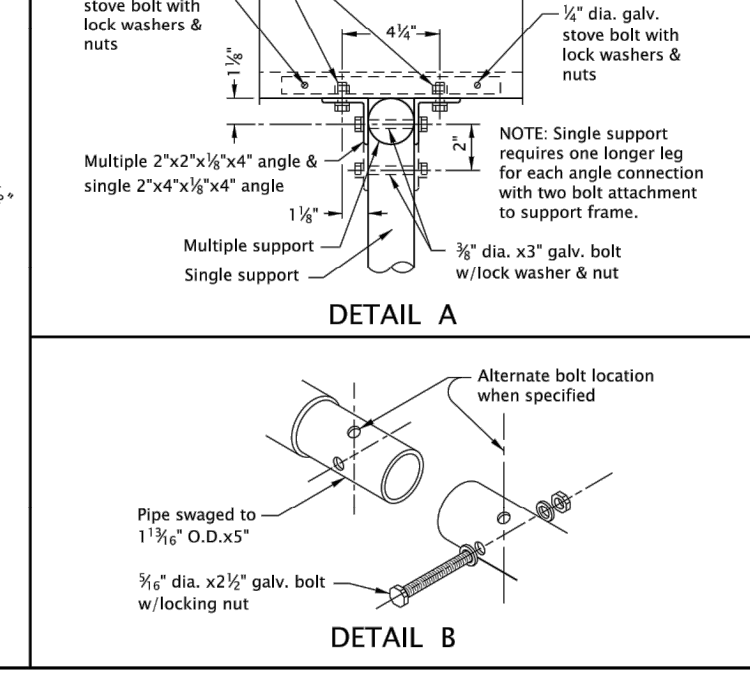
**CONCRETE COLLAR MULTIPLE SUPPORT**  
(Supports 5 standard (Size 1 & 1 1/2) mailboxes or 4 large (Size 2) mailboxes)



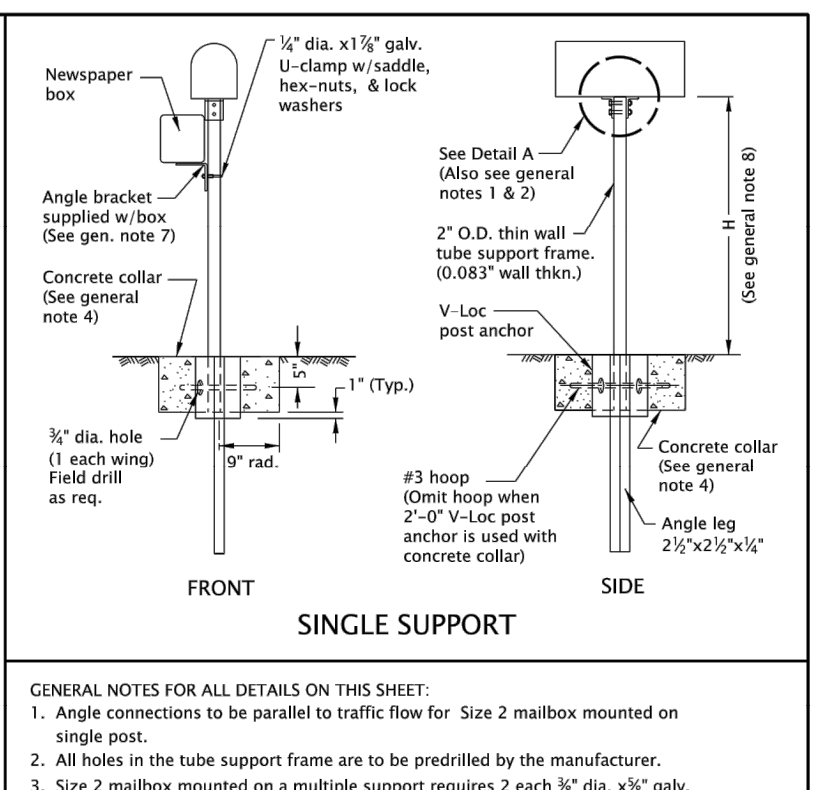
**ADAPTOR PLATE (14 ga.)**  
**SIZE 1 & 1 1/2 MOUNTING BRACKET (16 ga.)**



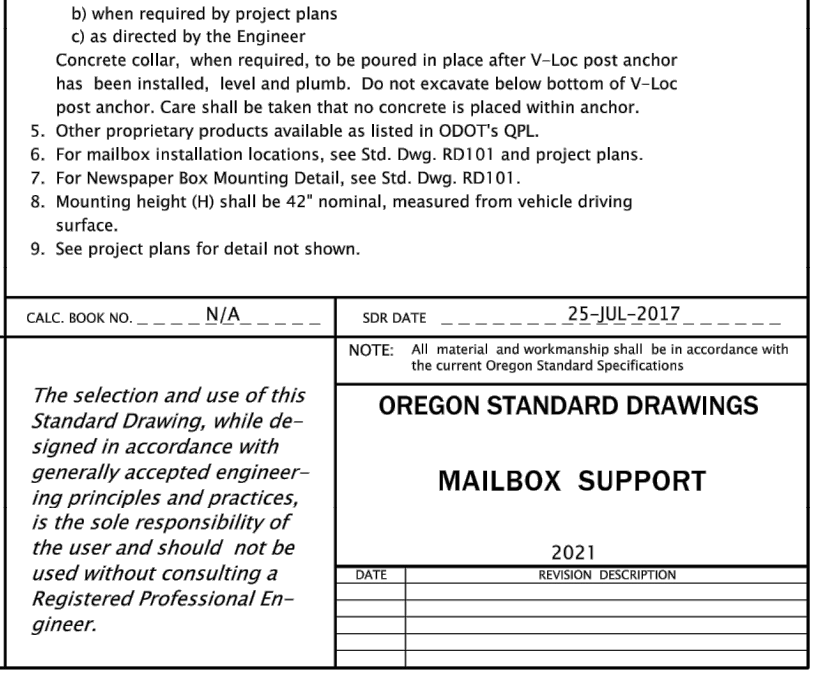
**POST MOUNTING SOCKET**



**DETAIL A**  
**DETAIL B**



**SINGLE SUPPORT**



**DETAIL A**

TABLE A V-LOC POST ANCHOR USE CHART			
MECHANISM	CONCRETE COLLAR	SINGLE SUPPORT	MULTIPLE SUPPORT
Through new or existing A.C.	2'-0"	2'-0"	2'-0"
Through well consolidated material	2'-0"	2'-0"	2'-0"
Through new rock surface & subgrade	2'-0"	2'-0"	2'-0"
Through new rock surface & subgrade subject to saturated soil or freeze-thaw conditions	2'-0"	2'-0"	2'-0"
Use 2'-0" with size 2 mailbox. Use if conditions are severe.	2'-0"	2'-0"	2'-0"

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

- Angle connections to be parallel to traffic flow for Size 2 mailbox mounted on single post.
- All holes in the tube support frame are to be predrilled by the manufacturer.
- Size 2 mailbox mounted on a multiple support requires 2 each 1/2" dia. x 1/2" galv. bolts with lock washers and nuts to attach the adaptor plate to the mounting bracket. The unit will then require 4 angle connections to attach to the formed tube support frame. See Detail A.
- Provide concrete collar when any of the following conditions exist:
  - when required in Table A
  - when required by project plans
  - as directed by the Engineer
 Concrete collar, when required, to be poured in place after V-loc post anchor has been installed, level and plumb. Do not excavate below bottom of V-loc post anchor. Care shall be taken that no concrete is placed within anchor.
- Other proprietary products available as listed in ODOT's QPL.
- For mailbox installation locations, see Std. Dwg. RD101 and project plans.
- For Newspaper Box Mounting Detail, see Std. Dwg. RD101.
- Mounting height (H) shall be 42" nominal, measured from vehicle driving surface.
- See project plans for detail not shown.

CALC. BOOK NO. N/A      SR DATE 25-JUL-2017

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

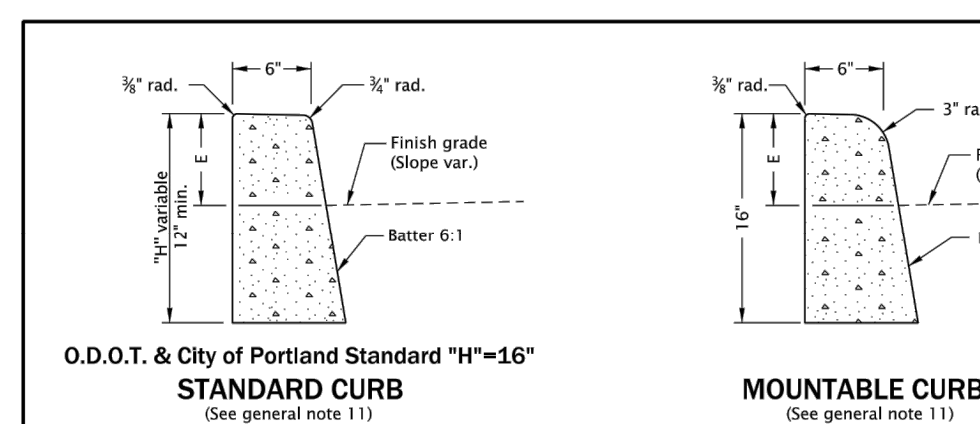
**OREGON STANDARD DRAWINGS**

**MAILBOX SUPPORT**

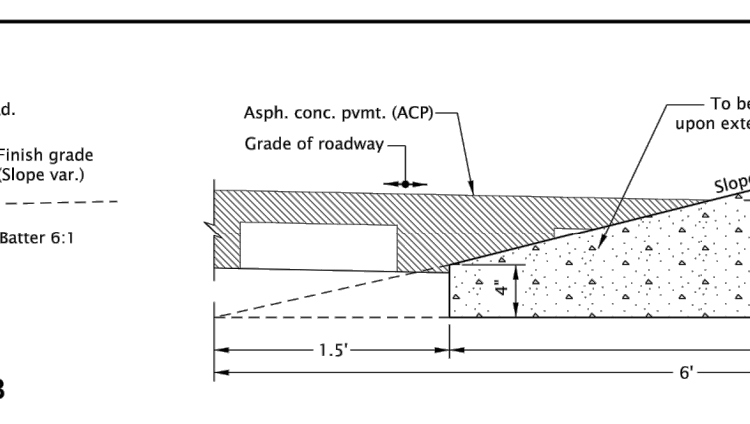
DATE 2021      REVISION DESCRIPTION

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

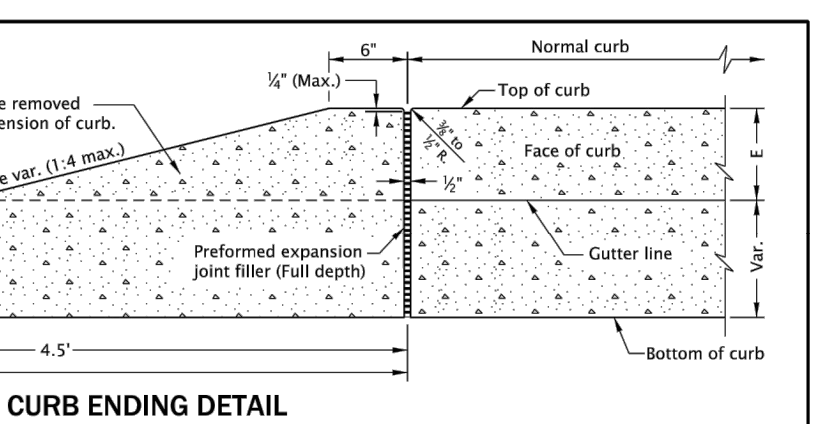
Effective Date: June 1, 2021 – November 30, 2021      RD100



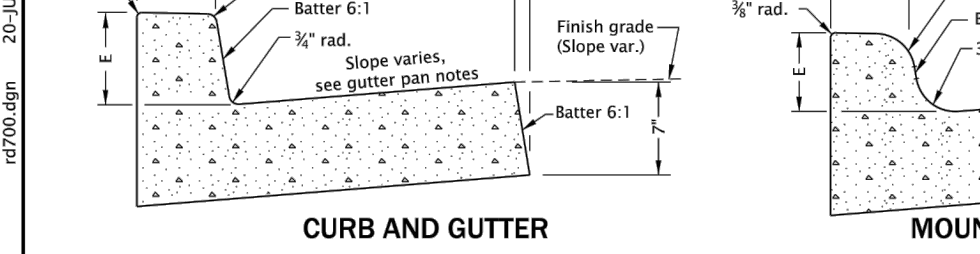
**O.D.O.T. & City of Portland Standard "H"=16" STANDARD CURB**  
(See general note 1.1)



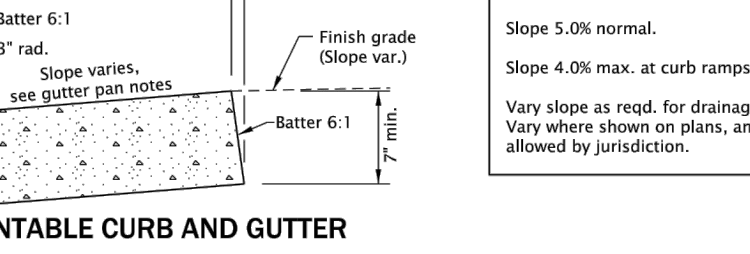
**MOUNTABLE CURB**  
(See general note 1.1)



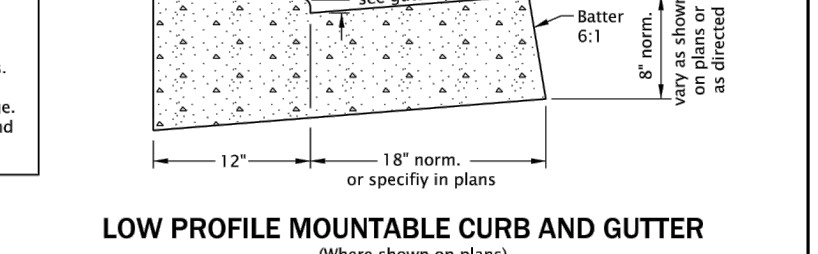
**CURB ENDING DETAIL**



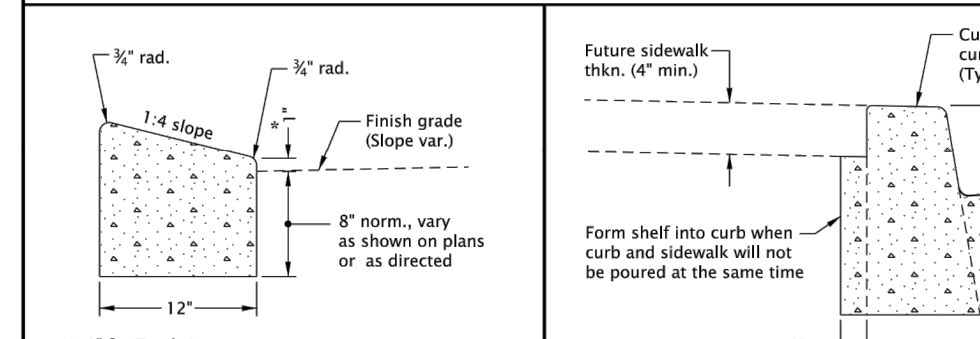
**CURB AND GUTTER**



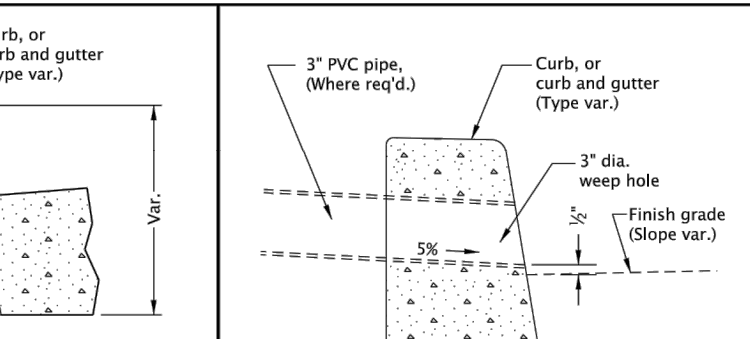
**MOUNTABLE CURB AND GUTTER**



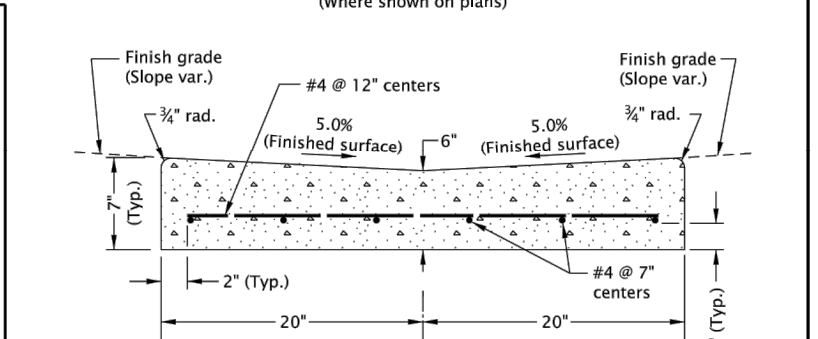
**LOW PROFILE MOUNTABLE CURB AND GUTTER**  
(Where shown on plans)



**LOW PROFILE MOUNTABLE CURB**  
(See general note 1.1)



**MODIFICATION FOR KEYWAY**  
(Where shown on plans)



**VALLEY GUTTER**

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

- Curb exposure "E" = 6" to 9", as measured vertically from flowline to highest point on curb. Vary as shown on plans or as directed. O.D.O.T. standard "E"=7".
- Const. curb expansion joints at 200' maximum spacing, and at points of tangency, and at ends of each driveway.
- Const. curb contraction joints at 15' maximum spacing, and at ends of each inlet and curb ramp.
- Transitions shall be used to connect curbs of different exposures "E". ("E" is the total vertical dimension of those curb surfaces having a slope of 1:1 or steeper). Minimum desirable transition length shall be 20' for each 1" difference in "E".
- Tops of all curbs shall slope toward the roadway at 1.5% max. (Max. 2.0% finished surface slope), unless otherwise shown, or as directed.
- Dimensions are nominal, vary to conform with curb machine approved by the engineer.
- Dimensions adjacent to radii are measured to the point of intersection of curb surfaces.
- For sidewalk details, and monolithic curb & sidewalk, see Std. Dwgs. RD720 & RD721.
- For drainage curbs, see Std. Dwg. RD701.
- For curb ramp details, see Std. Dwgs. RD900 series.
- On or along state highways, curb and gutter is required at curb ramp.
- On or along state highways, curb and gutter is required at curb ramp.

**THE SELECTION AND USE OF THIS STANDARD DRAWING, WHILE DESIGNED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRINCIPLES AND PRACTICES, IS THE SOLE RESPONSIBILITY OF THE USER AND SHOULD NOT BE USED WITHOUT CONSULTING A REGISTERED PROFESSIONAL ENGINEER.**

CALC. BOOK NO. N/A      SR DATE 20-JUL-2020

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

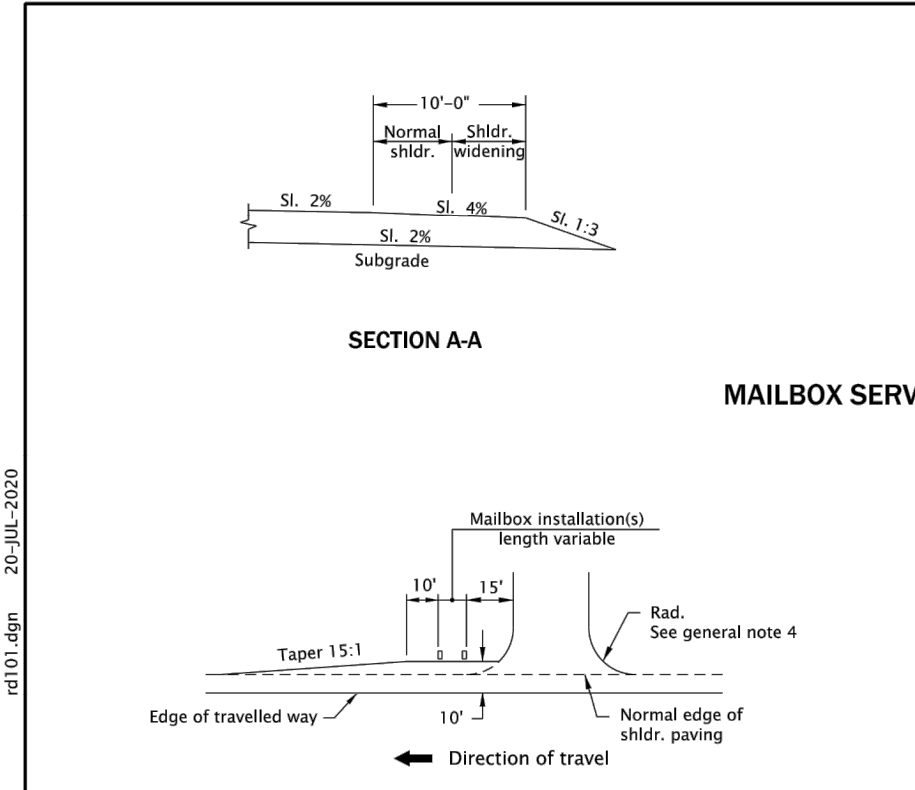
**OREGON STANDARD DRAWINGS**

**CURBS**

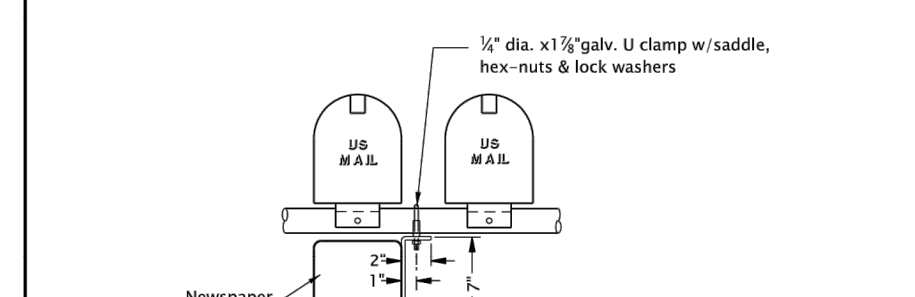
DATE 2021      REVISION DESCRIPTION

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

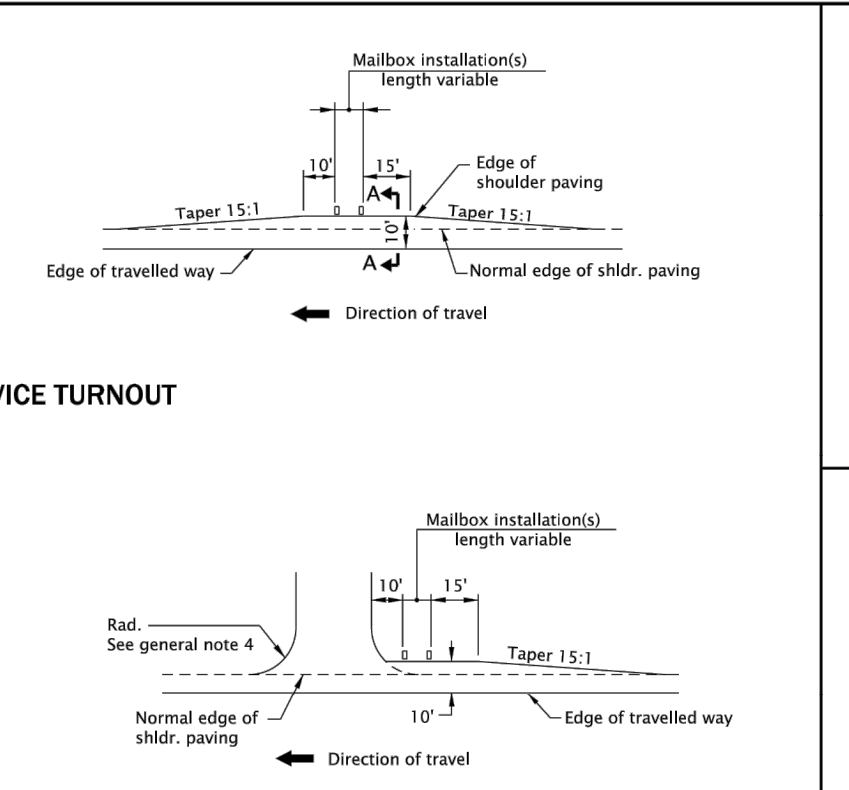
Effective Date: June 1, 2021 – November 30, 2021      RD700



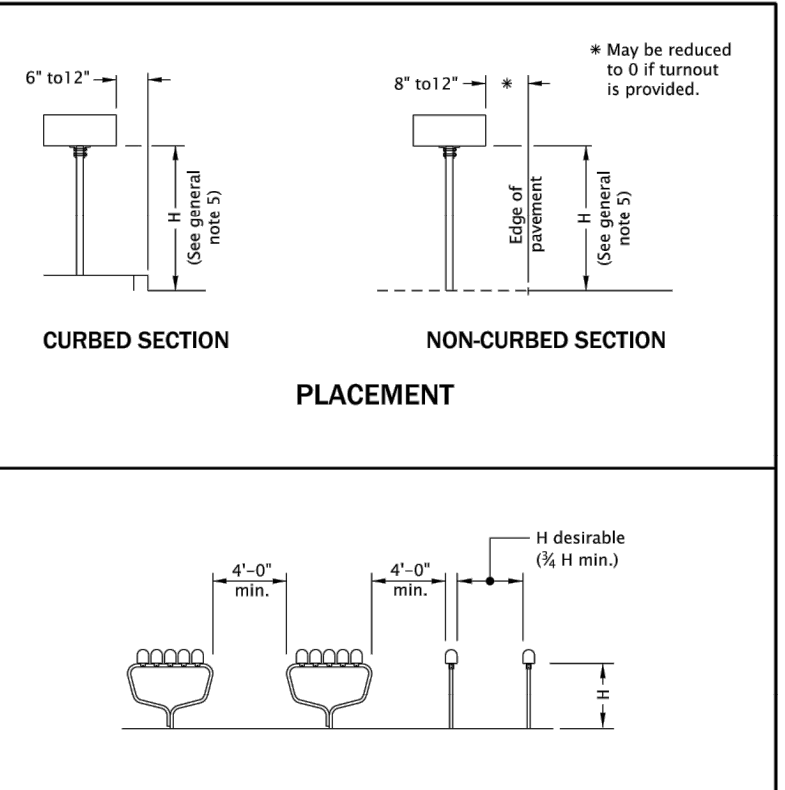
**MAILBOX SERVICE TURNOUT**



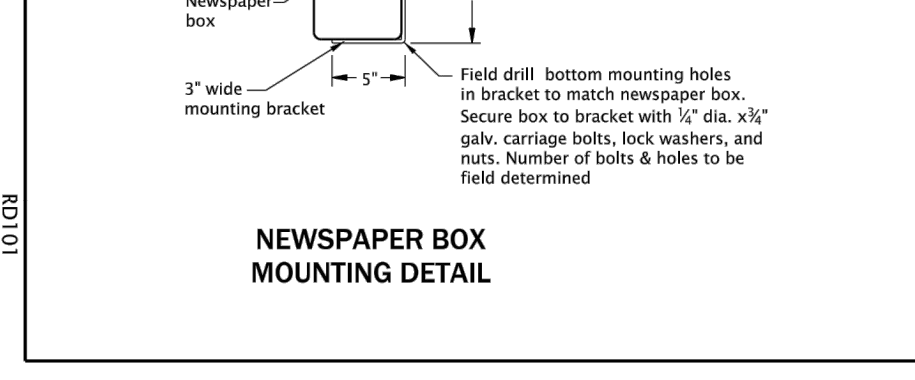
**MAILBOX SERVICE TURNOUT AFTER APPROACH**



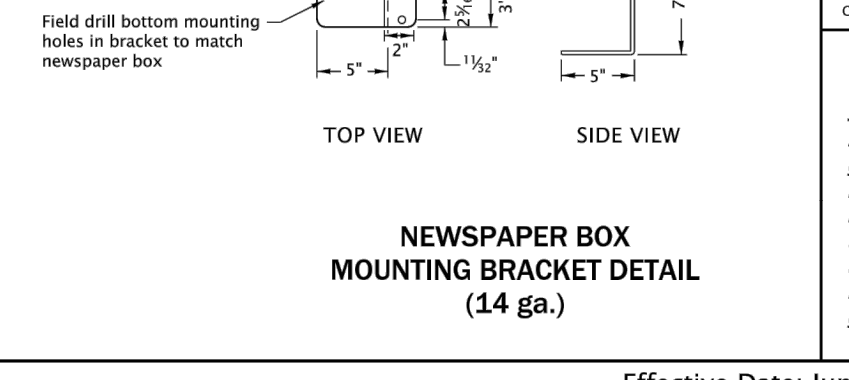
**MAILBOX SERVICE TURNOUT BEFORE APPROACH**



**CURBED SECTION**  
**NON-CURBED SECTION**  
**PLACEMENT**



**NEWSPAPER BOX MOUNTING BRACKET DETAIL (14 ga.)**



**NEWSPAPER BOX MOUNTING BRACKET DETAIL (14 ga.)**

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

- All holes in the tube support frame are to be predrilled by the manufacturer.
- Other proprietary products available as listed in ODOT's QPL.
- For mailbox support details, see Std. Dwg. RD100.
- For approach details, see Std. Dwg. RD715.
- Mounting height (H) shall be 42" nominal, measured from vehicle driving surface.
- See project plans for details not shown.

CALC. BOOK NO. N/A      SR DATE 25-JUL-2017

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

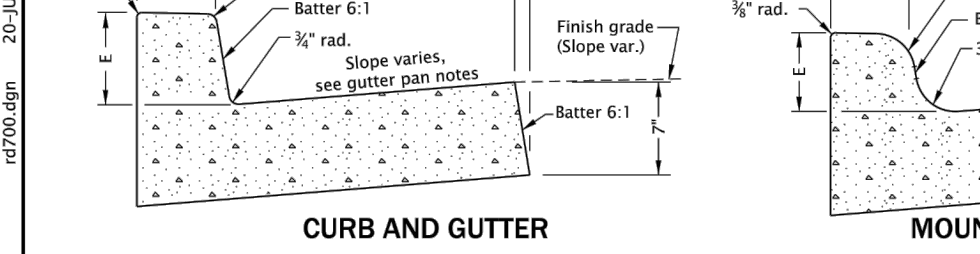
**OREGON STANDARD DRAWINGS**

**MAILBOX INSTALLATION**

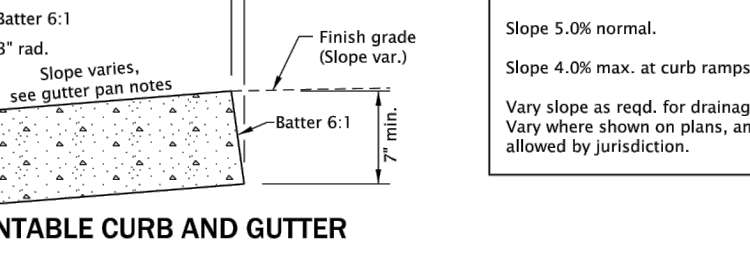
DATE 2021      REVISION DESCRIPTION

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

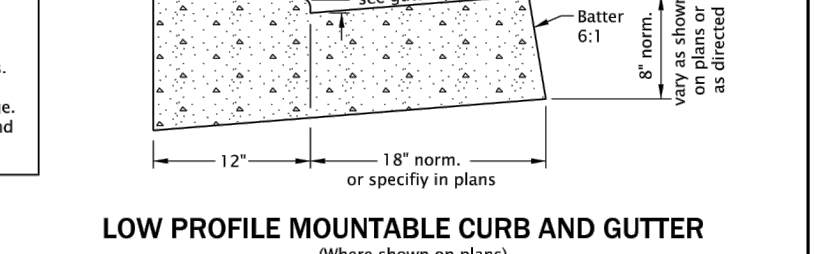
Effective Date: June 1, 2021 – November 30, 2021      RD101



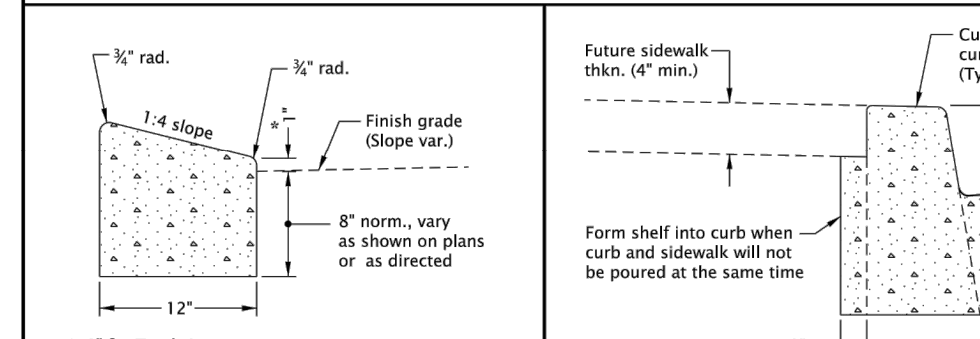
**CURB AND GUTTER**



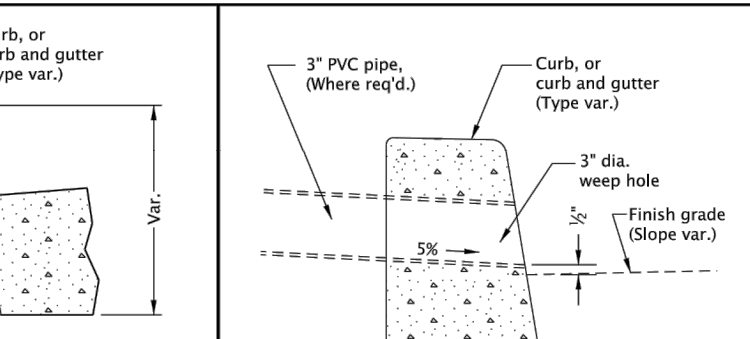
**MOUNTABLE CURB AND GUTTER**



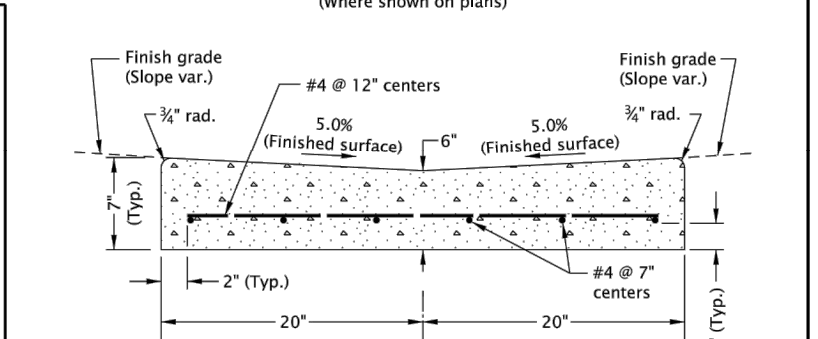
**LOW PROFILE MOUNTABLE CURB AND GUTTER**  
(Where shown on plans)



**MODIFICATION FOR KEYWAY**  
(Where shown on plans)



**WEEP HOLE DETAIL**  
(Where shown on plans, and allowed by jurisdiction)



**VALLEY GUTTER**

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

- Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
- Curb type and sidewalk width as shown on plans or as directed.
- On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
- Install 3" weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Std. Dwg. RD700 for weep hole details.
- Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other fixtures which protrude through or against the structures.
- For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Std. Dwg. RD722 for expansion joint details.
- Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joint details.
- For curb details, see Std. Dwgs. RD700 & RD701.
- ODOT standard E=7".
- Sidewalk details are based on applicable ODOT standards.
- Fully lowered sidewalk shown; see project plans for the driveway design specified.
- For driveway details not shown, see Std. Dwgs. RD725, RD730, RD735, RD740.
- See project plans for details not shown.

**THE SELECTION AND USE OF THIS STANDARD DRAWING, WHILE DESIGNED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRINCIPLES AND PRACTICES, IS THE SOLE RESPONSIBILITY OF THE USER AND SHOULD NOT BE USED WITHOUT CONSULTING A REGISTERED PROFESSIONAL ENGINEER.**

CALC. BOOK NO. N/A      SR DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

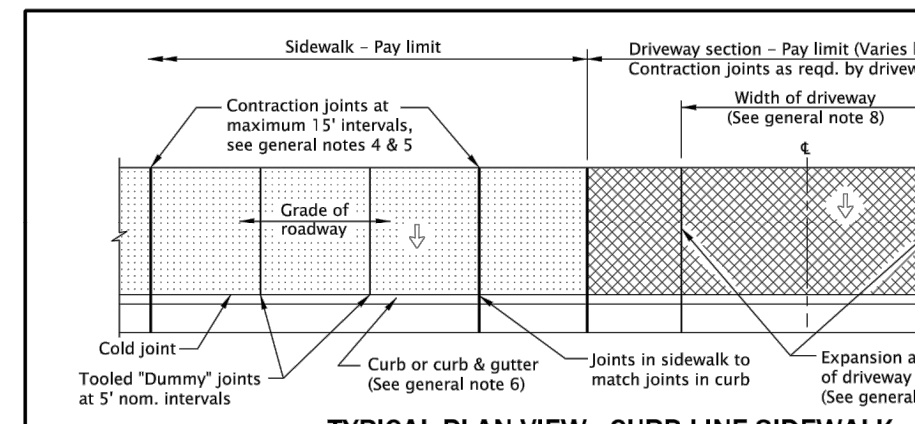
**OREGON STANDARD DRAWINGS**

**CURB LINE SIDEWALKS**

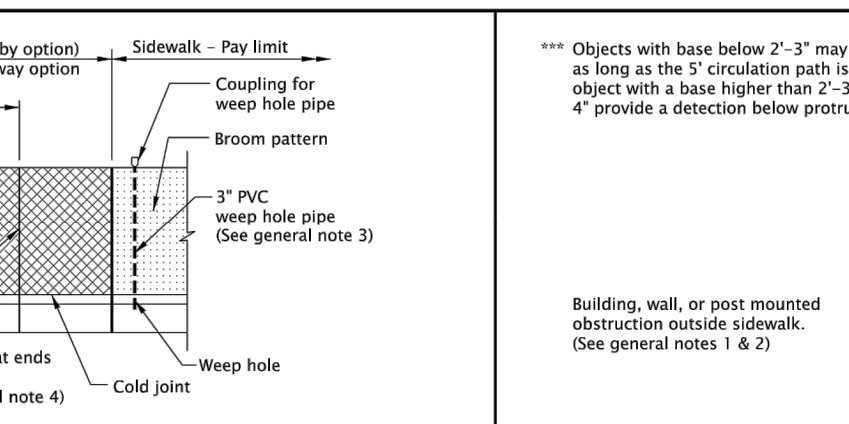
DATE 2021      REVISION DESCRIPTION

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

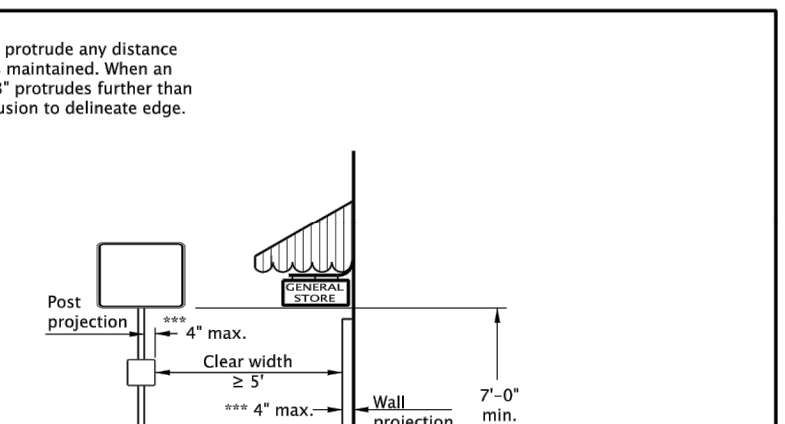
Effective Date: June 1, 2021 – November 30, 2021      RD720



**TYPICAL PLAN VIEW - CURB LINE SIDEWALK**



**TYPICAL CURB SIDEWALK CROSS SECTION**



**TYPICAL MONOLITHIC CURB & SIDEWALK CROSS SECTION**  
E = curb exposure, see general note 6

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

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

**LEGEND**

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

**REQUIRED SIDEWALK WIDENING AROUND OBSTRUCTIONS**

**REQUIRED SIDEWALK WIDENING AROUND OBSTRUCTIONS**

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

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

**THE SELECTION AND USE OF THIS STANDARD DRAWING, WHILE DESIGNED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRINCIPLES AND PRACTICES, IS THE SOLE RESPONSIBILITY OF THE USER AND SHOULD NOT BE USED WITHOUT CONSULTING A REGISTERED PROFESSIONAL ENGINEER.**

CALC. BOOK NO. N/A      SR DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

**OREGON STANDARD DRAWINGS**

**CURB LINE SIDEWALKS**

DATE 2021      REVISION DESCRIPTION

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

Effective Date: June 1, 2021 – November 30, 2021      RD720

NO.	DATE	BY	REVISIONS
		BCB	DESIGNED 10/11/2019 DATE
		BCB	DRAFTED 04/05/2020 DATE
		WLM/JAG	CHECKED 6/30/2020 DATE
		SRA	APPROVED 5/18/2021 DATE



**CITY OF MILWAUKIE**

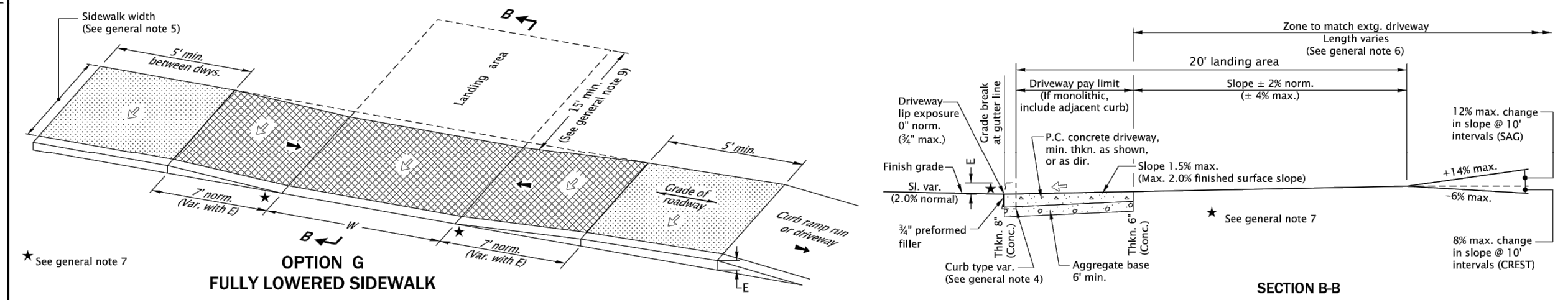
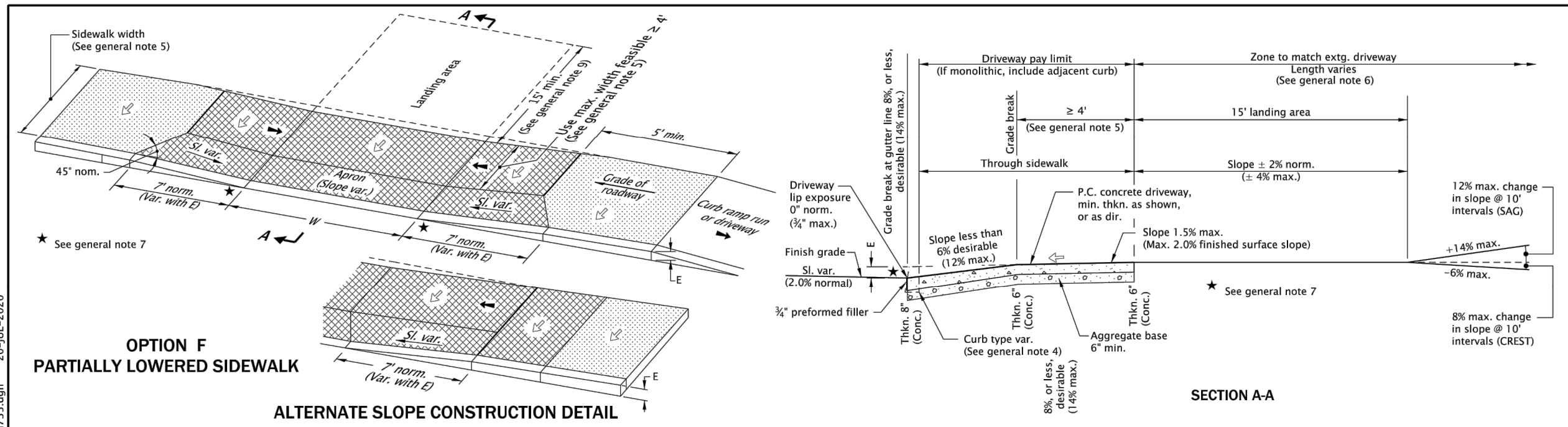
6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SIDEWALK DETAILS**

PROJECT NO.: CIP 2020-A10      CONTRACT NO.:  
DATE: 10/20/2020      SHEET NO.: SW11





GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

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

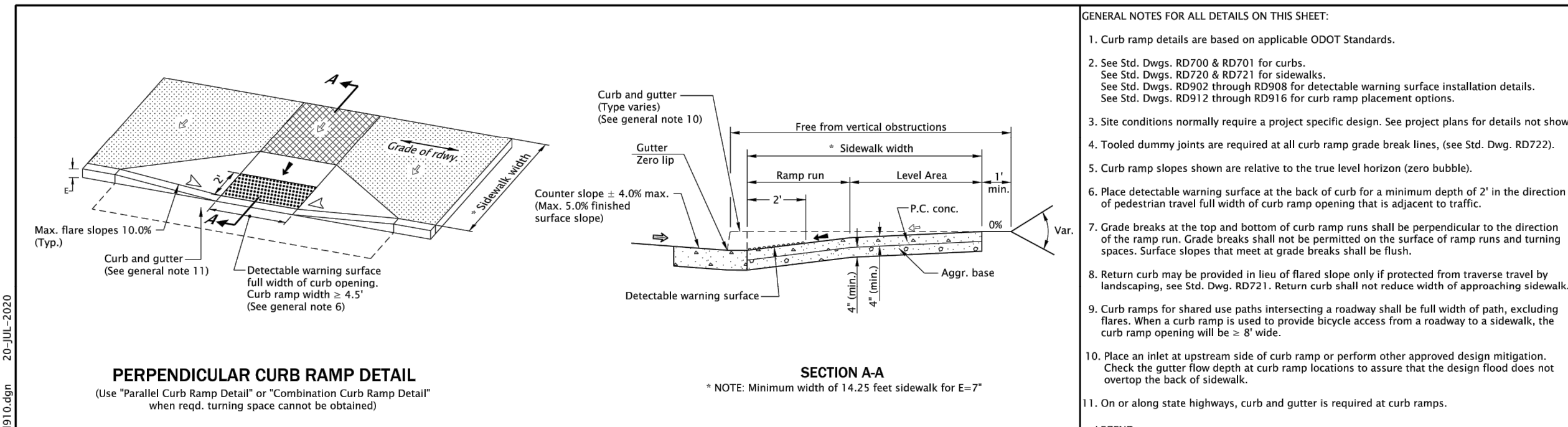
LEGEND:

- Sidewalk
- Driveway pay limit (if monolithic, include adjacent curb) (See project plans for details not shown)
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
- Running slope 7.5% max. (Max. 8.3% finished surface slope)
- Width of driveway
- Curb exposure

OREGON STANDARD DRAWINGS  
CURB LINE SIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS F & G)  
ODOT HIGHWAYS

DATE: 2021  
REVISION DESCRIPTION

Effective Date: June 1, 2021 - November 30, 2021 RD735



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Curb ramp details are based on applicable ODOT Standards.
- See Std. Dwg. RD700 & RD701 for curbs. See Std. Dwg. RD720 & RD721 for sidewalks. See Std. Dwg. RD902 through RD908 for detectable warning surface installation details. See Std. Dwg. RD911 through RD916 for curb ramp placement options.
- Site conditions normally require a project specific design. See project plans for details not shown.
- Tooled dummy joints are required at all curb ramp grade break lines. (See Std. Dwg. RD722).
- Curb ramp slopes shown are relative to the true level horizon (zero bubble).
- Place detectable warning surface at the back of curb for a minimum depth of 2' in the direction of pedestrian travel full width of curb ramp opening that is adjacent to traffic.
- Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
- Return curb may be provided in lieu of flared slope only if protected from traverse travel by landscaping. See Std. Dwg. RD721. Return curbs shall not reduce width of approaching sidewalk.
- Curb ramps for shared use paths intersecting a roadway shall be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp opening will be 4' wide.
- Place an inlet at upstream side of curb ramp or perform other approved design mitigation. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk.
- On or along state highways, curb and gutter is required at curb ramps.

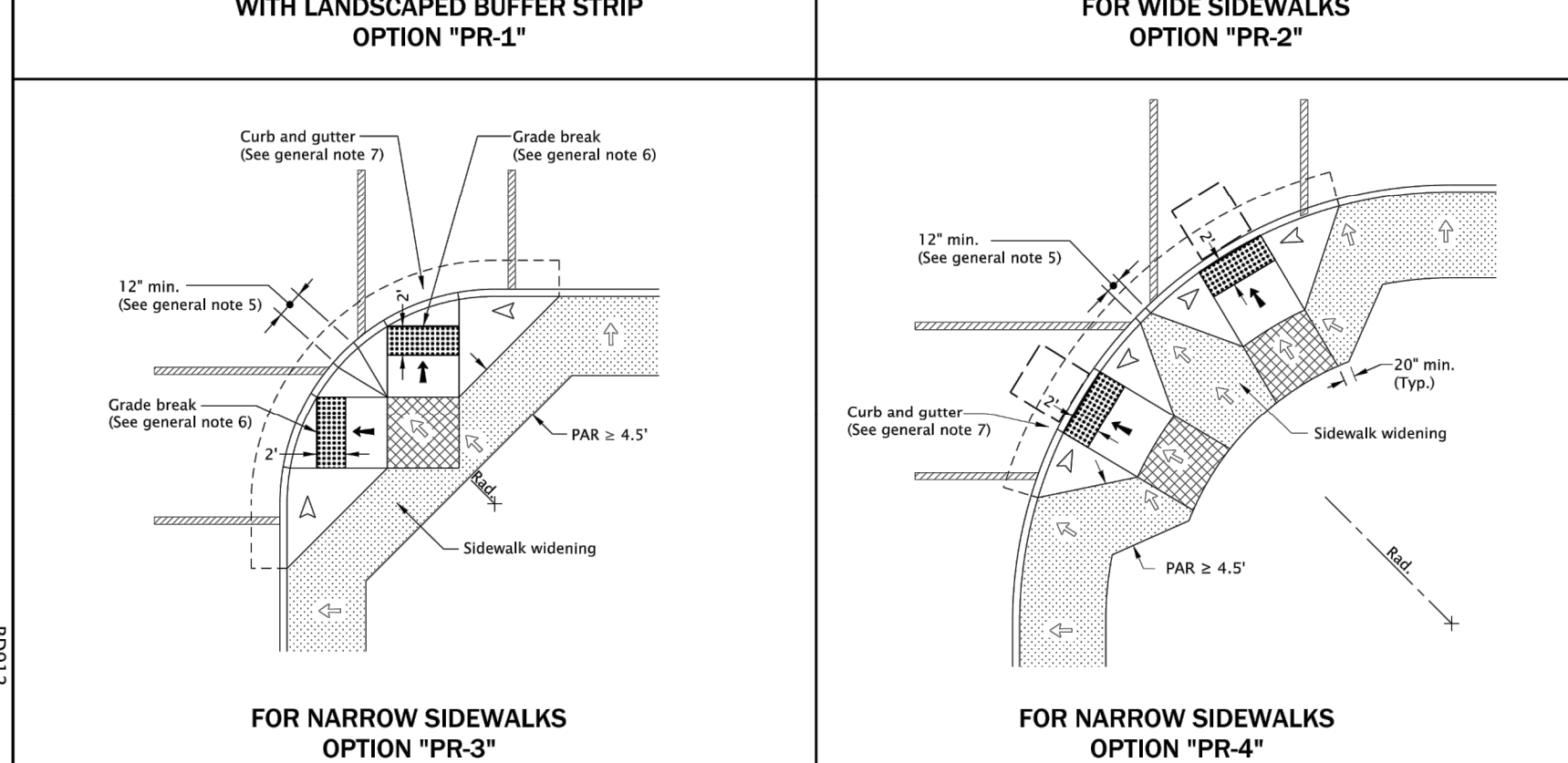
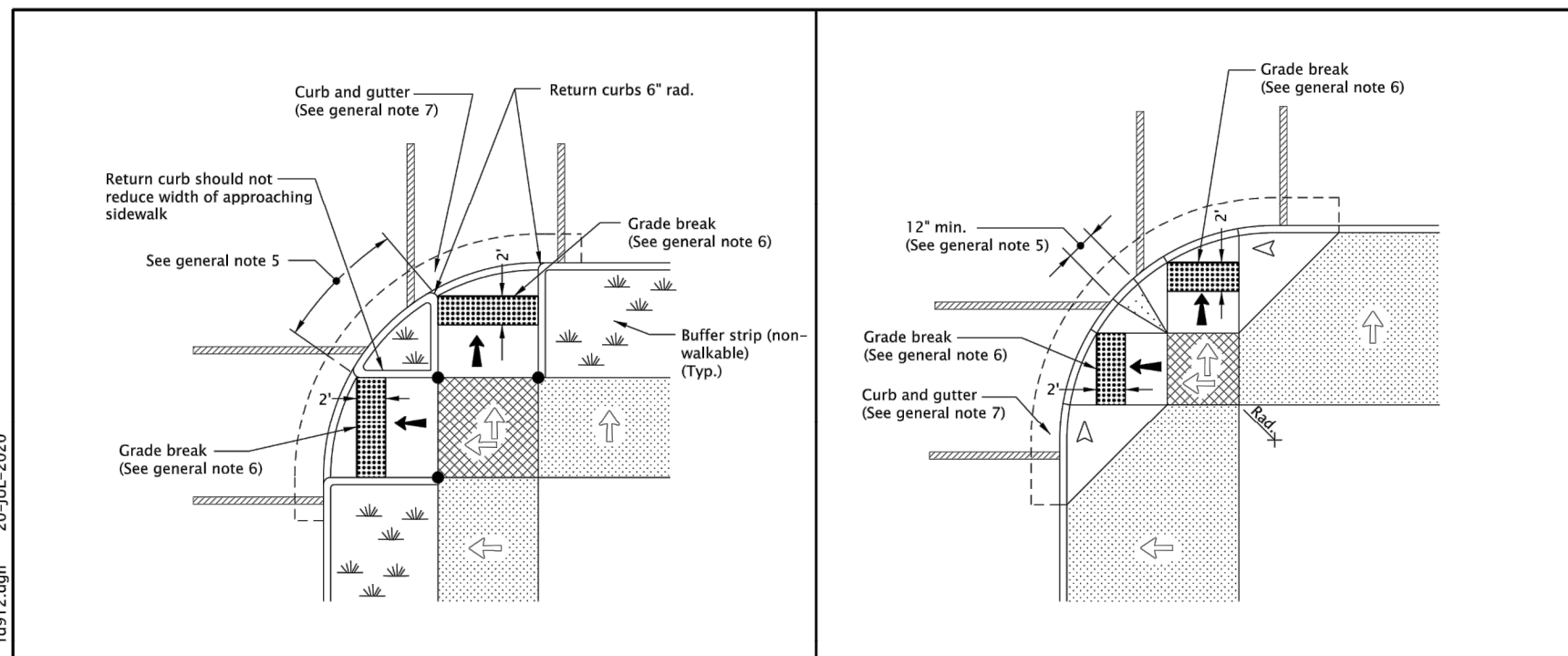
LEGEND:

- Sidewalk
- Detectable warning surface
- Level area (Turning space/landing) (Unobstructed 4.5' x 4.5' With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing). For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.)
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
- Running slope 7.5% max. (Max. 8.3% finished surface slope)
- Counter slope 4.0% max. ascending or descending. (Max. 5.0% finished surface slope) (Slope as required for drainage)
- Flare slope (Max. 10% finished surface slope)

OREGON STANDARD DRAWINGS  
PERPENDICULAR CURB RAMP

DATE: 2021  
REVISION DESCRIPTION

Effective Date: June 1, 2021 - November 30, 2021 RD910



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Curb ramp details are based on applicable ODOT Standards.
- See project plans for details not shown. See Std. Dwg. RD700 & RD701 for curbs. See Std. Dwg. RD720 & RD721 for sidewalks. See Std. Dwg. RD910 for perpendicular curb ramp details. See Std. Dwg. RD902 through RD908 for detectable warning surface installation details.
- Tooled dummy joints are required at all curb ramp grade break lines. (See Std. Dwg. RD722).
- Curb ramp slopes shown are relative to the true level horizon (zero bubble).
- When 2 curb ramps are immediately adjacent, the curb exposure (E) between the adjacent side flares may range between 3" and full design exposure.
- Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
- On or along state highways, curb and gutter is required at curb ramps.

LEGEND:

- Marked or intended crossing location
- Sidewalk
- Detectable warning surface
- Level area (Turning space/landing) (Unobstructed 4.5' x 4.5' With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing). For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.)
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
- Running slope 7.5% max. (Max. 8.3% finished surface slope)
- Flare slope (Max. 10% finished surface slope)
- Zero curb exposure
- 4' x 4' clear space
- PAR Pedestrian Access Route

OREGON STANDARD DRAWINGS  
PERPENDICULAR CURB RAMP

DATE: 2021  
REVISION DESCRIPTION

Effective Date: June 1, 2021 - November 30, 2021 RD912

NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019	DATE
BCB DRAFTED	04/05/2020	DATE
WLM/JAG CHECKED	6/30/2020	DATE
SRA APPROVED	5/18/2021	DATE



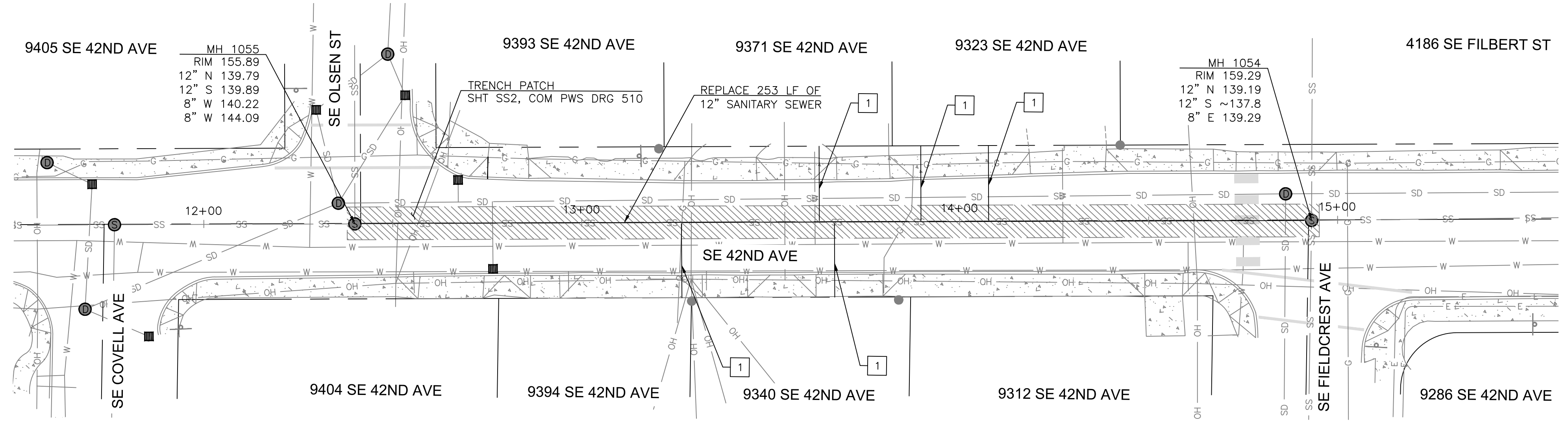
**CITY OF MILWAUKIE**

6101 SE JOHNSON CREEK BLVD. MILWAUKIE, OR 97206  
PHONE: 503-786-7600  
FAX: 503-774-8236

**BID SCHEDULE A**  
42ND AVENUE SAFE PROJECT  
SIDEWALK DETAILS

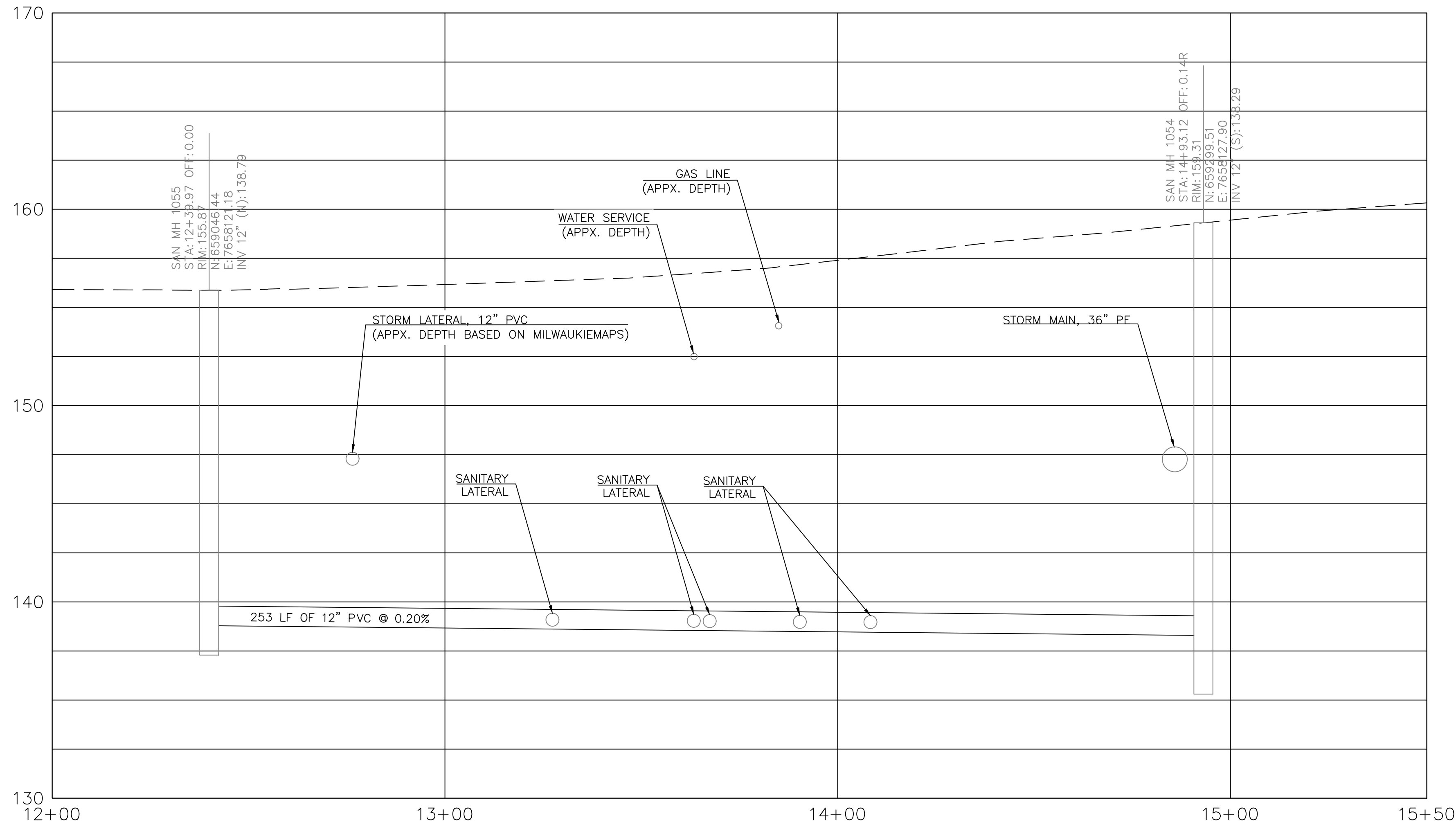
PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SW12
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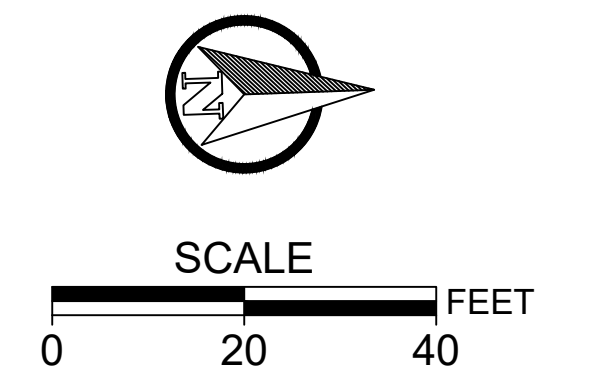


**SANITARY SEWER CONSTRUCTION NOTES:**  
 1 RECONNECT EXISTING SANITARY LATERAL. SHT SS2, COM PWS DRW 304, 305.

1 SANITARY SEWER PLAN – ROADWAY STA: 12+39.97 TO 14+93.12



2 SANITARY SEWER PLAN – ROADWAY STA: 12+39.97 TO 14+93.12



NO.	DATE	BY	REVISIONS

BCB	10/11/2019
DESIGNED	DATE
BCB	04/05/2020
DRAFTED	DATE
WLM/JAG	6/30/2020
CHECKED	DATE
SRA	5/18/2021
APPROVED	DATE

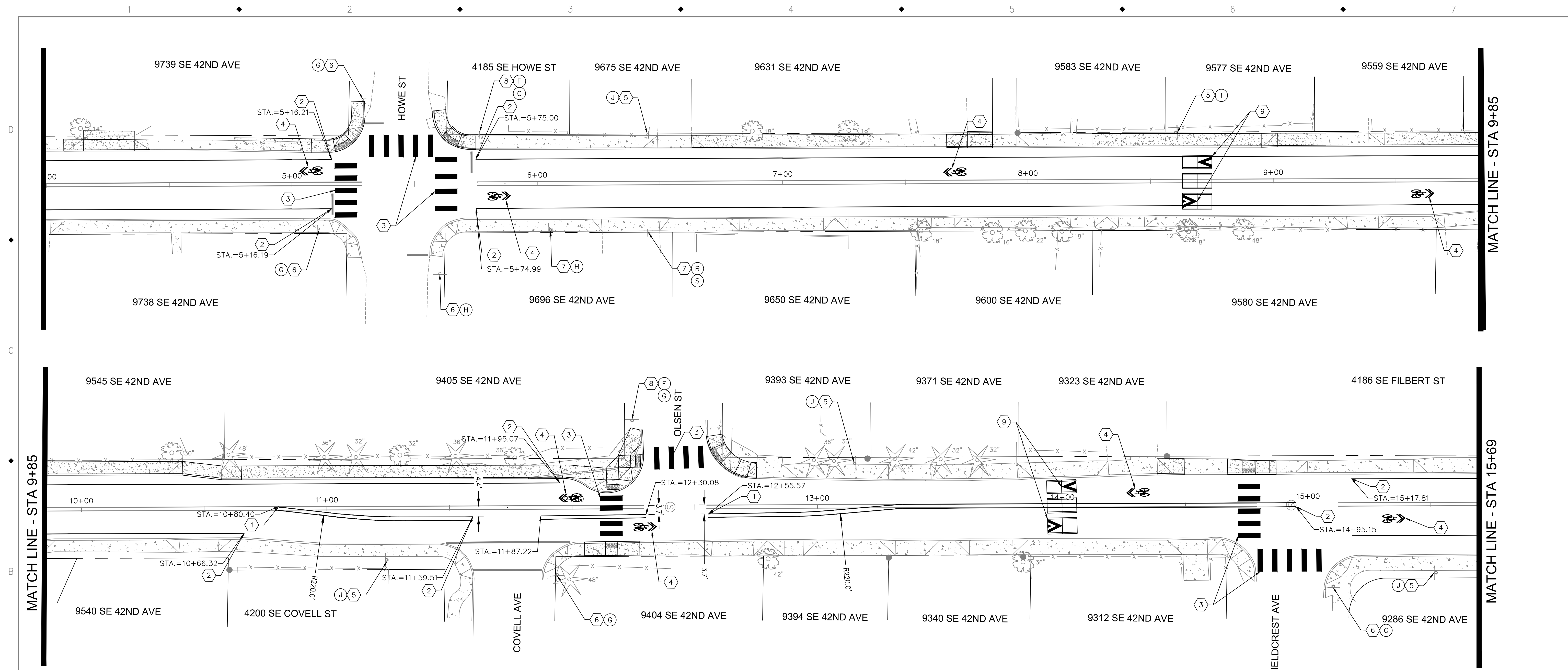


**CITY OF MILWAUKIE**  
 6101 SE JOHNSON CREEK BLVD.  
 MILWAUKIE, OR 97206  
 PHONE: 503-786-7600  
 FAX: 503-774-8236

**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SANITARY SEWER PLAN**

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SS1
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MATCH LINE - STA 9+85

MATCH LINE - STA 9+85

MATCH LINE - STA 15+69

**SIGNAGE AND STRIPING CONSTRUCTION NOTES:**

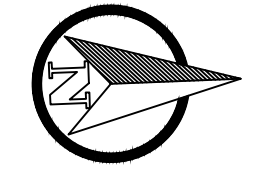
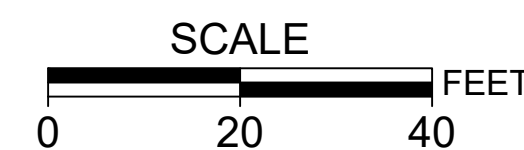
- 1 INSTALL DOUBLE NO-PASS TWO 4" YELLOW LINES. OSD TM 500. TYPE D.
- 2 INSTALL 4" WHITE LINE. OSD TM 500. TYPE D.
- 3 INSTALL STAGGERED CONTINENTAL CROSSWALK 2' WHITE BARS. OSD TM 503. OPTION CW-SC.
- 4 INSTALL SHARED LANE MARKING. OSD TM 503. OPTION SLM.
- 5 REINSTALL EXISTING SIGN ON NEW 2"-12 GA (1) POST. OSD TM 200, 681, 687.
- 6 PROTECT EXISTING SIGN AND POST.
- 7 INSTALL NEW SIGN ON NEW 2"-12 GA (1) POST. OSD TM 200, 681, 687.
- 8 INSTALL NEW SIGN ON EXISTING POST.
- 9 INSTALL PREFORMED WHITE SH-1 PER DET 1 SHT SW10.
- 10 INSTALL NEW SIGN ON FLEXILE SIGN POST.

**SIGNS**

A. PEDESTRIAN	W11-2	30X30	BLACK ON YELLOW HIP
B. AHEAD	W16-9P	24X12	BLACK ON YELLOW HIP
C. DOWNWARD DIAGONAL ARROW	W16-7P	24X12	BLACK ON YELLOW HIP
D. NO OUTLET	W14-2A	36X8	
E. ALL WAY	R1-4	18X6	
F. STREET NAME			
G. STOP	R1-1	30X30	
H. SPEED LIMIT 25 MPH	R2-1	24X30	
I. STOP AHEAD	W3-1	30X30	
J. WAYFINDING SIGN			
K. SCHOOL	S1-1	36X36	
L. SCHOOL	S4-3P	24X8	
M. FINES HIGHER	R2-6P	24X18	
N. SPEED LIMIT	R2-1	24X30	
O. WHEN CHILDREN PRESENT	S4-SP	24X10	
P. END SCHOOL ZONE	S5-2	24X30	
Q. NO THRU TRUCKS			
R. SPEED HUMP	W17-1	30X30	
S. NEXT 0.4 MILES	W7-3AP	24X18	
T. STOP HERE FOR PEDESTRIANS	R1-6A	12X36	

**ROADWAY SIGNING AND STRIPING NOTES:**

- 1. CONTRACTOR SHALL NOT REMOVE ANY STREET SIGNAGE WITHOUT PRIOR CITY APPROVAL.
- 2. CONTRACTOR SHALL INSTALL ALL SIGNS AND MARKINGS PER OSSC AND CITY OF MILWAUKIE SPECIFICATIONS.
- 3. CONTRACTOR SHALL REPLACE DAMAGED SIGNS OR SIGN POLES WITH SIGNAGE COMPLYING WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 4. CONTRACTOR SHALL REPLACE DAMAGED OR REMOVED PAVEMENT MARKINGS AND UPON COMPLETION OF PROJECT, CONTRACTOR SHALL USE MATERIAL APPROPRIATE FOR INTENDED USE WITH SPECIFICATIONS AS CALLED OUT ON THE APPROVED PLANS.
- 5. CONTRACTOR SHALL CLEAN SIGNS PRIOR TO REINSTALLATION.
- 6. CONTRACTOR SHALL RETURN ALL SIGNS/POLES/HARDWARE NOT BEING REINSTALLED TO THE CITY OF MILWAUKIE.



NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019	DATE
BCB DRAFTED	04/05/2020	DATE
WLM/JAG CHECKED	6/30/2020	DATE
SRA APPROVED	5/18/2021	DATE



**CITY OF MILWAUKIE**

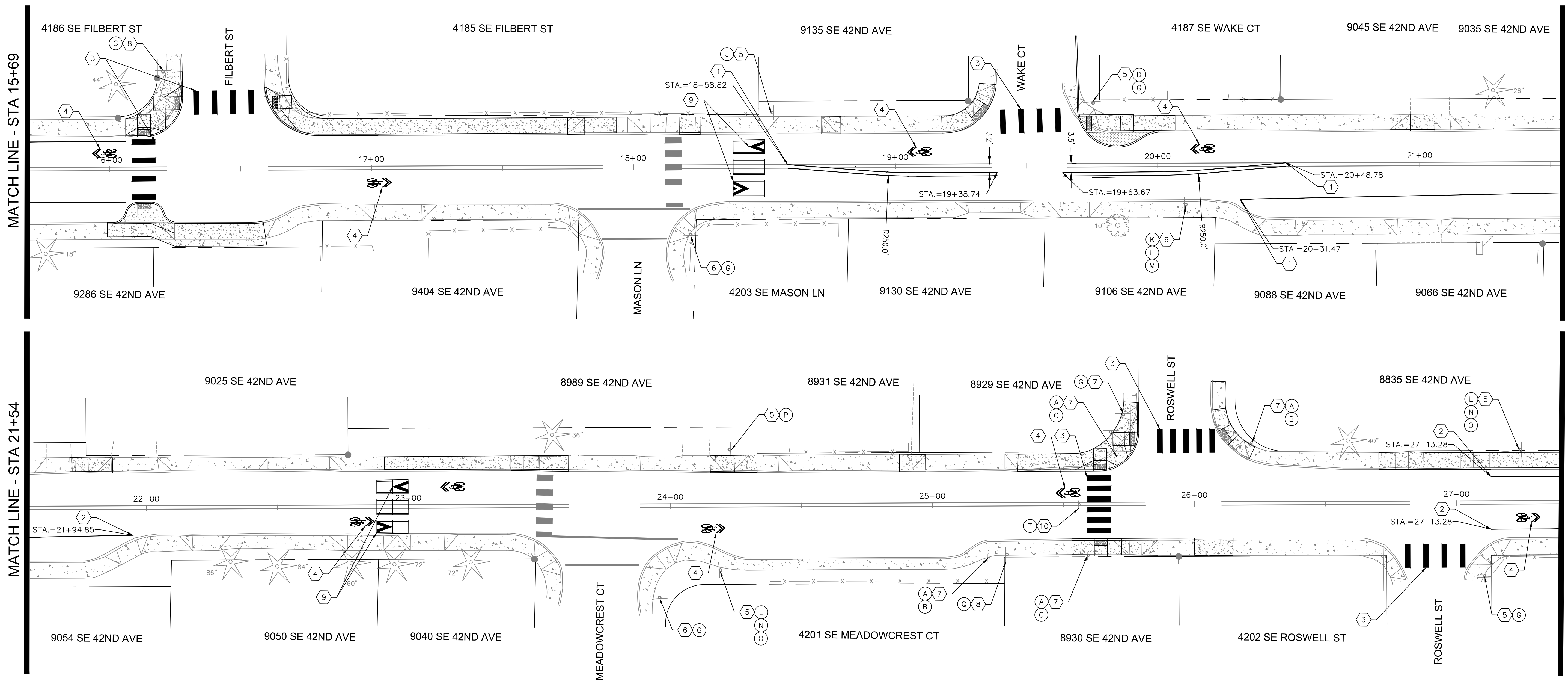
6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SIGNAGE AND STRIPING PLAN**

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SN1
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**SIGNAGE AND STRIPING CONSTRUCTION NOTES:**

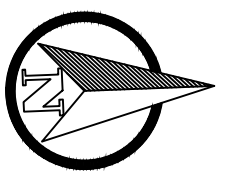
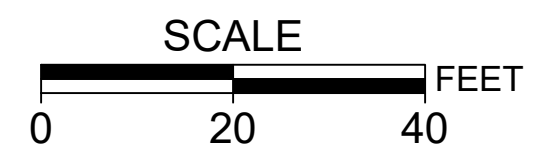
- 1. INSTALL DOUBLE NO-PASS TWO 4" YELLOW LINES. OSD TM 500. TYPE D.
- 2. INSTALL 4" WHITE LINE. OSD TM 500. TYPE D.
- 3. INSTALL STAGGERED CONTINENTAL CROSSWALK 2' WHITE BARS. OSD TM 503. OPTION CW-SC.
- 4. INSTALL SHARED LANE MARKING. OSD TM 503. OPTION SLM.
- 5. REINSTALL EXISTING SIGN ON NEW 2"-12 GA (1) POST. OSD TM 200, 681, 687.
- 6. PROTECT EXISTING SIGN AND POST.
- 7. INSTALL NEW SIGN ON NEW 2"-12 GA (1) POST. OSD TM 200, 681, 687.
- 8. INSTALL NEW SIGN ON EXISTING POST.
- 9. INSTALL PREFORMED WHITE SH-1 PER DET 1 SHT SW10.
- 10. INSTALL NEW SIGN ON FLEXILE SIGN POST.

**SIGNS**

A. PEDESTRIAN	W11-2	30X30	BLACK ON YELLOW HIP
B. AHEAD	W16-9P	24X12	BLACK ON YELLOW HIP
C. DOWNWARD DIAGONAL ARROW	W16-7P	24X12	BLACK ON YELLOW HIP
D. NO OUTLET	W14-2A	36X8	BLACK ON YELLOW HIP
E. ALL WAY	R1-4	18X6	
F. STREET NAME			
G. STOP	R1-1	30X30	
H. SPEED LIMIT 25 MPH	R2-1	24X30	
I. STOP AHEAD	W3-1	30X30	
J. WAYFINDING SIGN			
K. SCHOOL	S1-1	36X36	
L. SCHOOL	S4-3P	24X8	
M. FINES HIGHER	R2-6P	24X18	
N. SPEED LIMIT	R2-1	24X30	
O. WHEN CHILDREN PRESENT	S4-SP	24X10	
P. END SCHOOL ZONE	S5-2	24X30	
Q. NO THRU TRUCKS			
R. SPEED HUMP	W17-1	30X30	
S. NEXT 0.4 MILES	W7-3AP	24X18	
T. STOP HERE FOR PEDESTRIANS	R1-6A	12X36	

**ROADWAY SIGNING AND STRIPING NOTES:**

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**CITY OF MILWAUKIE**

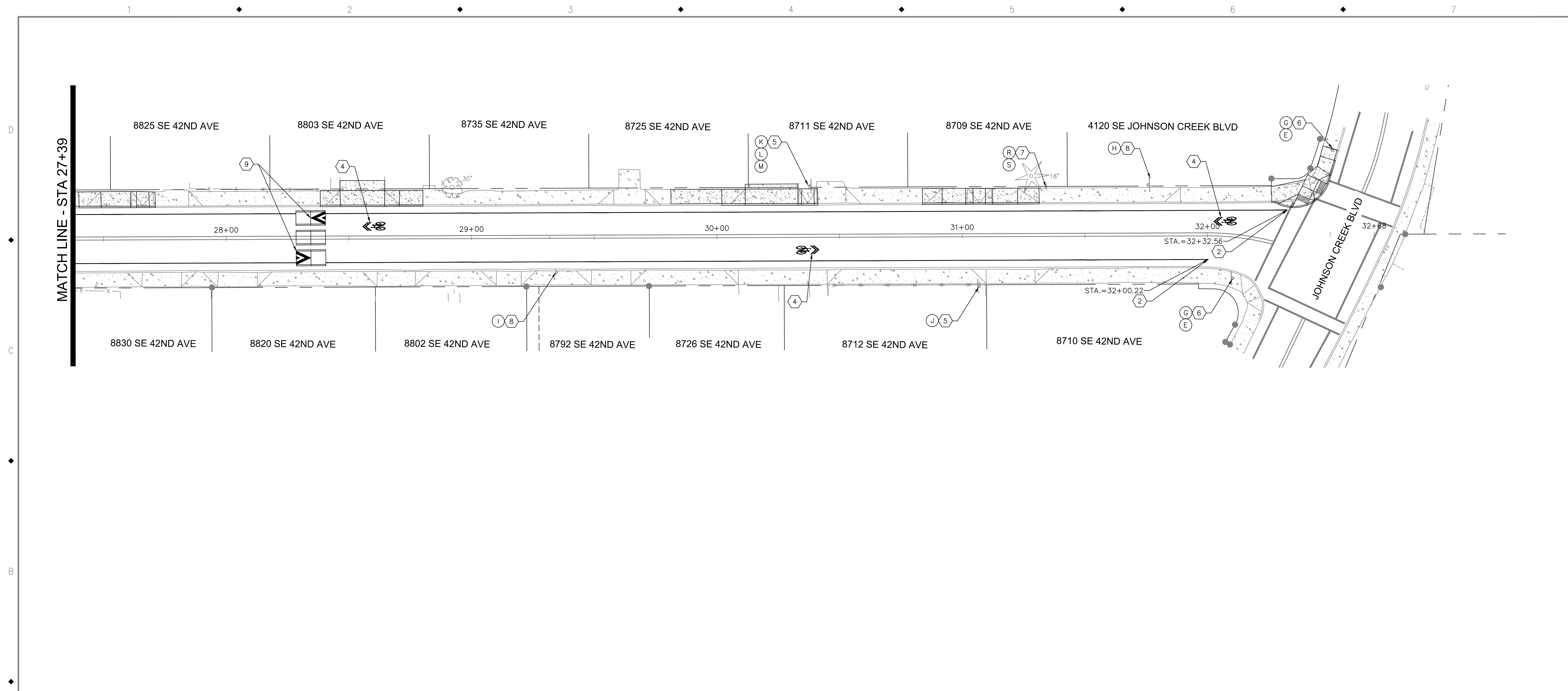
6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

PHONE: 503-786-7600  
FAX: 503-774-8236

**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SIGNAGE AND STRIPING PLAN**

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SN2
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**SIGNAGE AND STRIPING CONSTRUCTION NOTES:**

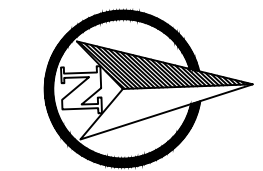
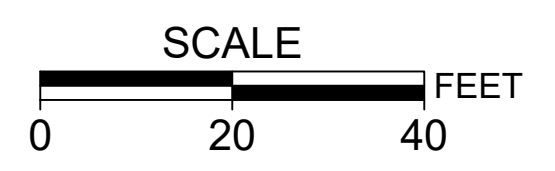
- 1) INSTALL DOUBLE NO-PASS TWO 4" YELLOW LINES. OSD TM 500. TYPE D.
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- 3) INSTALL STAGGERED CONTINENTAL CROSSWALK 2' WHITE BARS. OSD TM 503. OPTION CW-SC.
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**SIGNS**

Code	Description	Sign Size	Color/Text
A.	PEDESTRIAN	W11-2 30X30	BLACK ON YELLOW HIP
B.	AHEAD	W16-9P 24X12	BLACK ON YELLOW HIP
C.	DOWNWARD DIAGONAL ARROW	W16-7P 24X12	BLACK ON YELLOW HIP
D.	NO OUTLET	W14-2A 36X8	
E.	ALL WAY	R1-4 18X6	
F.	STREET NAME		
G.	STOP	R1-1 30X30	
H.	SPEED LIMIT 25 MPH	R2-1 24X30	
I.	STOP AHEAD	W3-1 30X30	
J.	WAYFINDING SIGN		
K.	SCHOOL	S1-1 36X36	
L.	SCHOOL	S4-3P 24X8	
M.	FINES HIGHER	R2-6P 24X18	
N.	SPEED LIMIT	R2-1 24X30	
O.	WHEN CHILDREN PRESENT	S4-SP 24X10	
P.	END SCHOOL ZONE	S5-2 24X30	
Q.	NO THRU TRUCKS		
R.	SPEED HUMP	W17-1 30X30	
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NO.	DATE	BY	REVISIONS

BCB	10/11/2019
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BCB	04/05/2020
DRAFTED	DATE
WLM/JAG	6/30/2020
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**CITY OF MILWAUKIE**

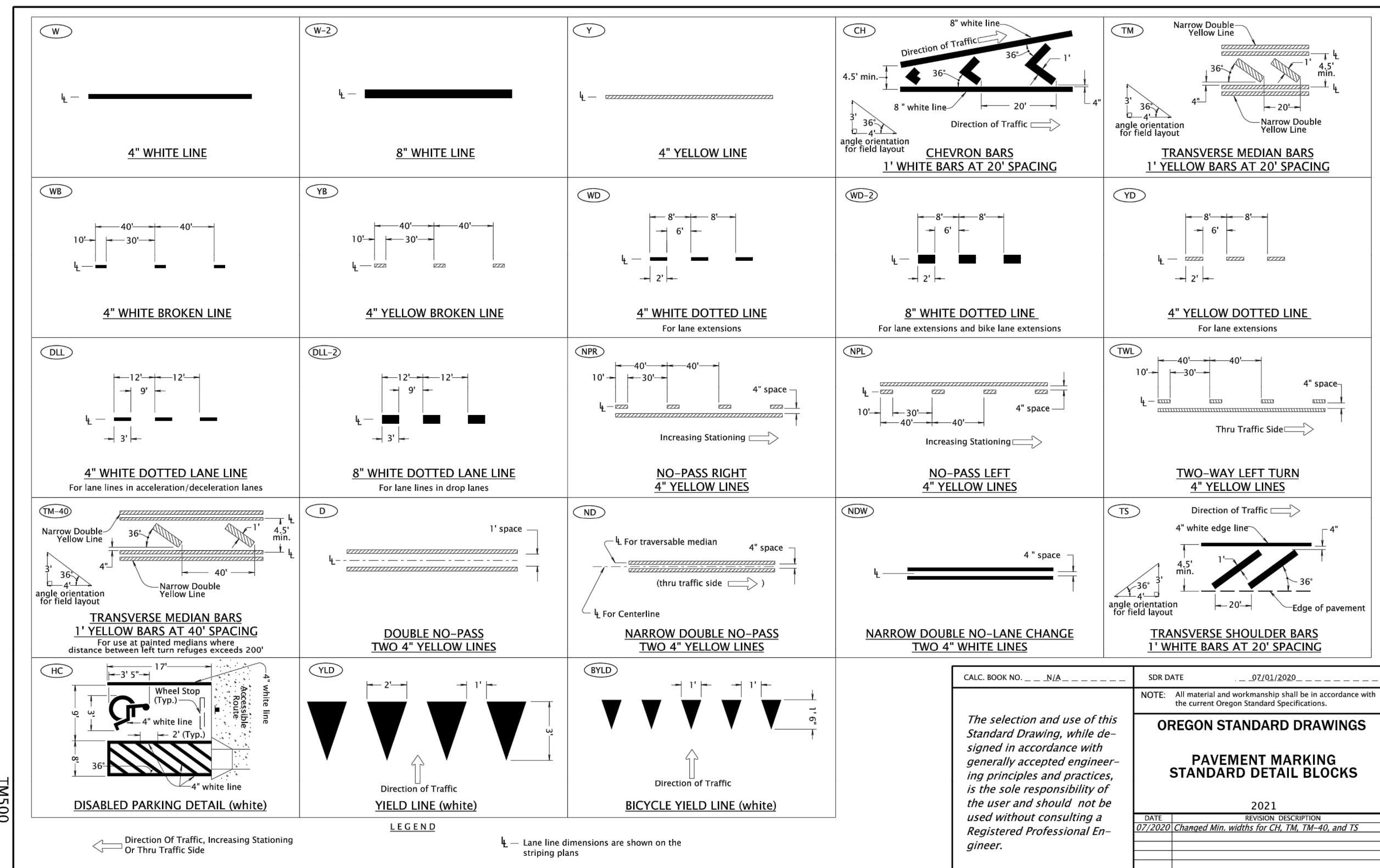
6101 SE JOHNSON CREEK BLVD.  
MILWAUKIE, OR 97206

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FAX: 503-774-8236

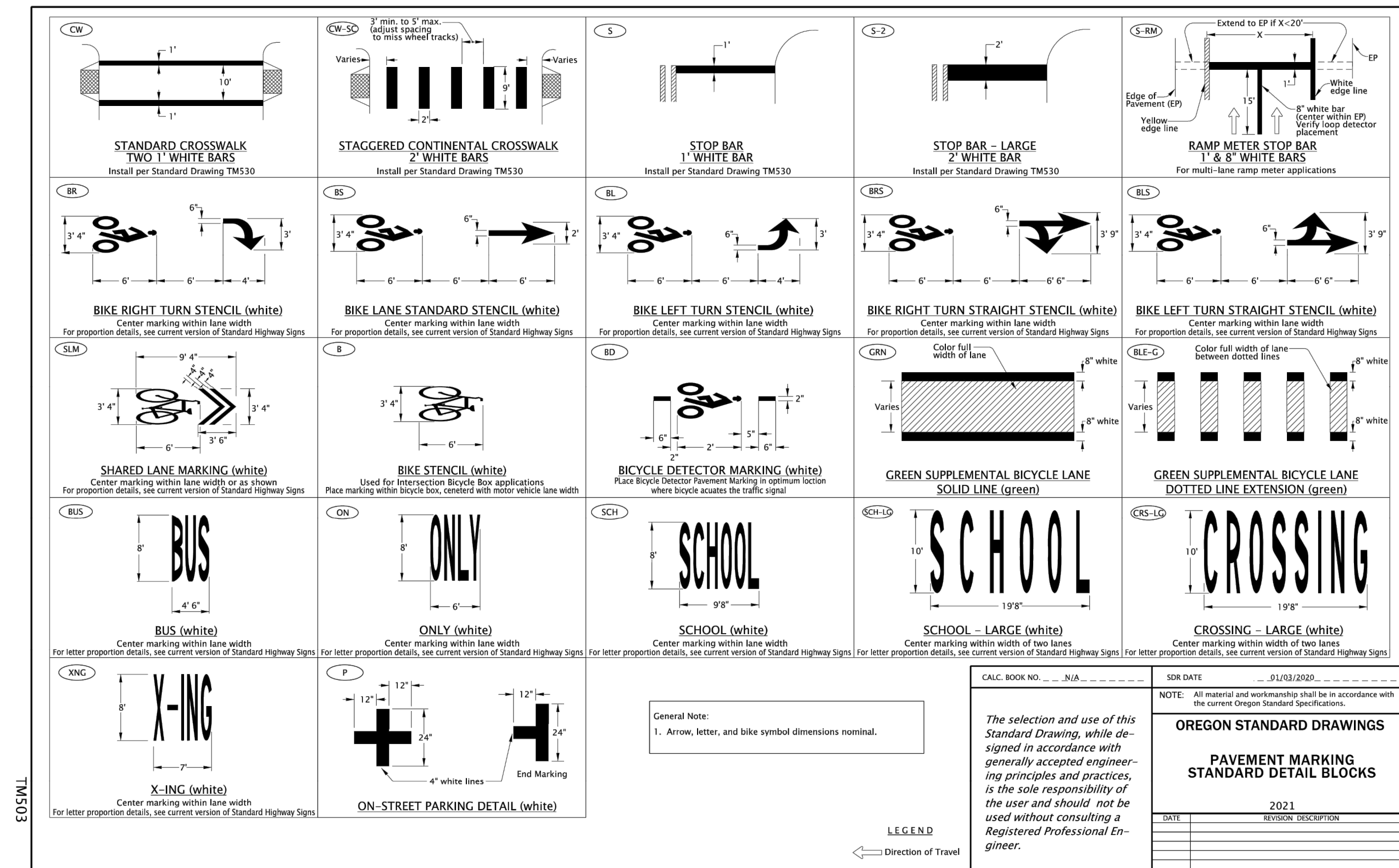
**BID SCHEDULE A**  
**42ND AVENUE SAFE PROJECT**  
**SIGNAGE AND STRIPING PLAN**

PROJECT NO.: CIP 2020-A10	CONTRACT NO.:	DATE: 10/20/2020	SHEET NO.: SN3
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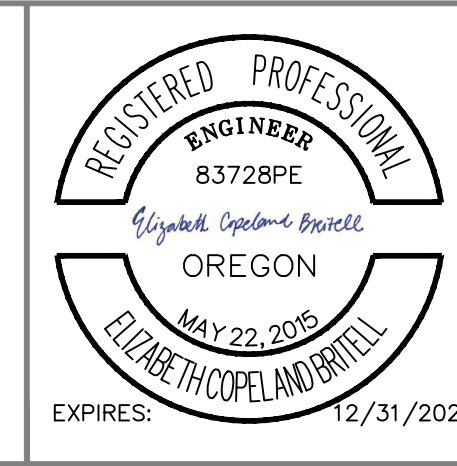
Effective Date: June 01, 2021 - November 30, 2021 TM500



Effective Date: June 01, 2021 - November 30, 2021 TM503

NO.	DATE	BY	REVISIONS

BCB DESIGNED	10/11/2019	DATE
BCB DRAFTED	04/05/2020	DATE
WLM/JAG CHECKED	6/30/2020	DATE
SRA APPROVED	5/18/2021	DATE



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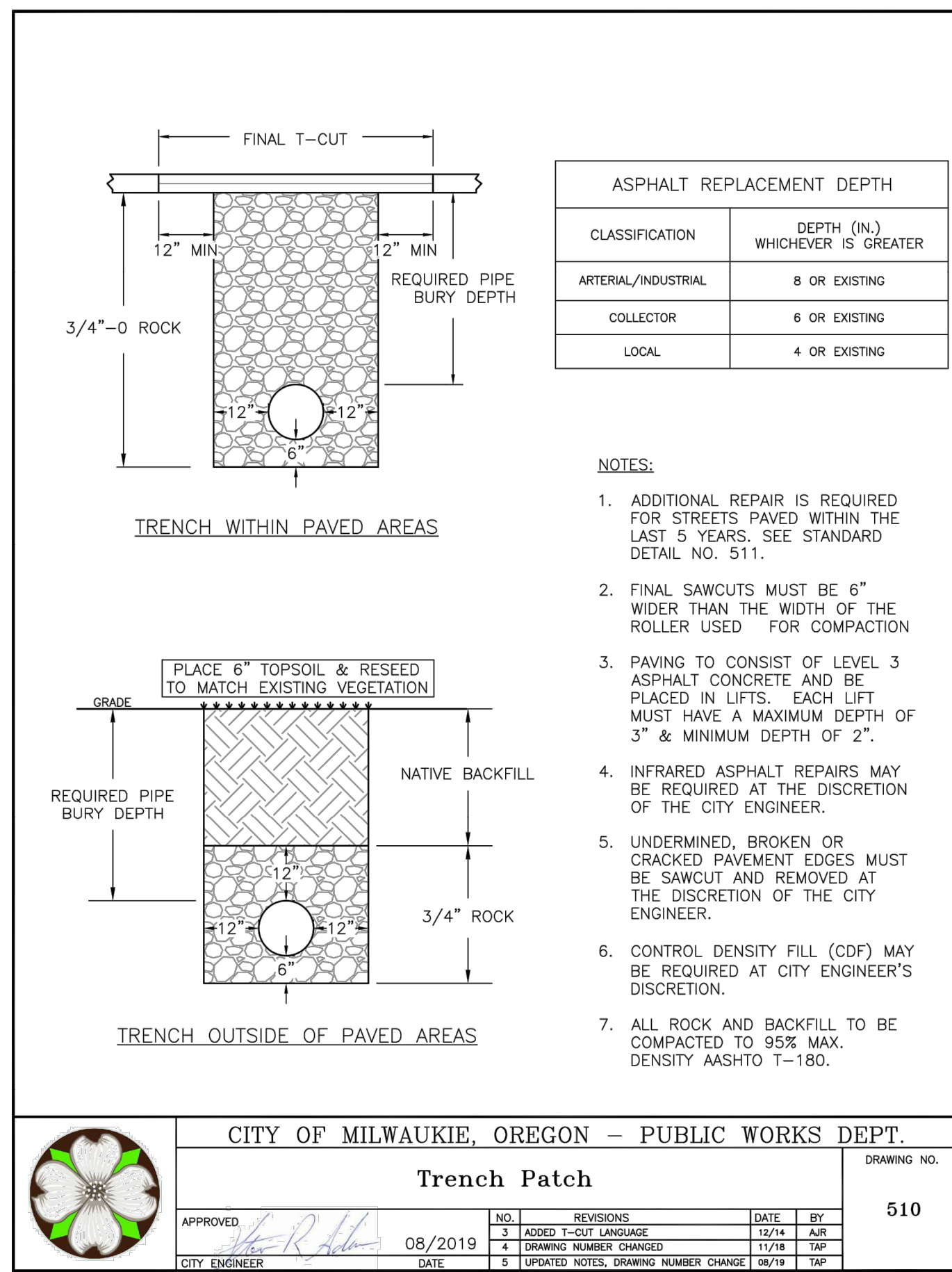
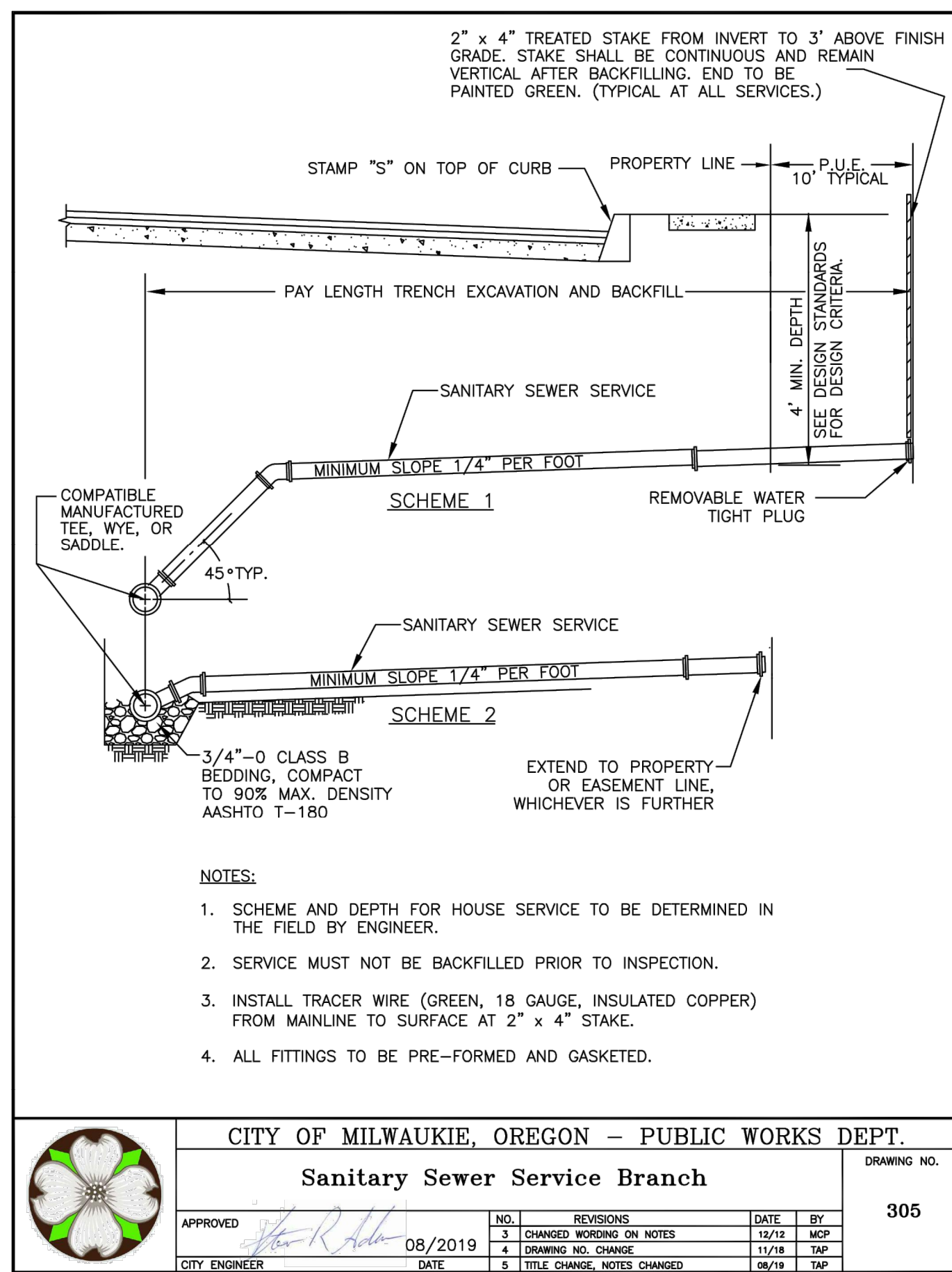
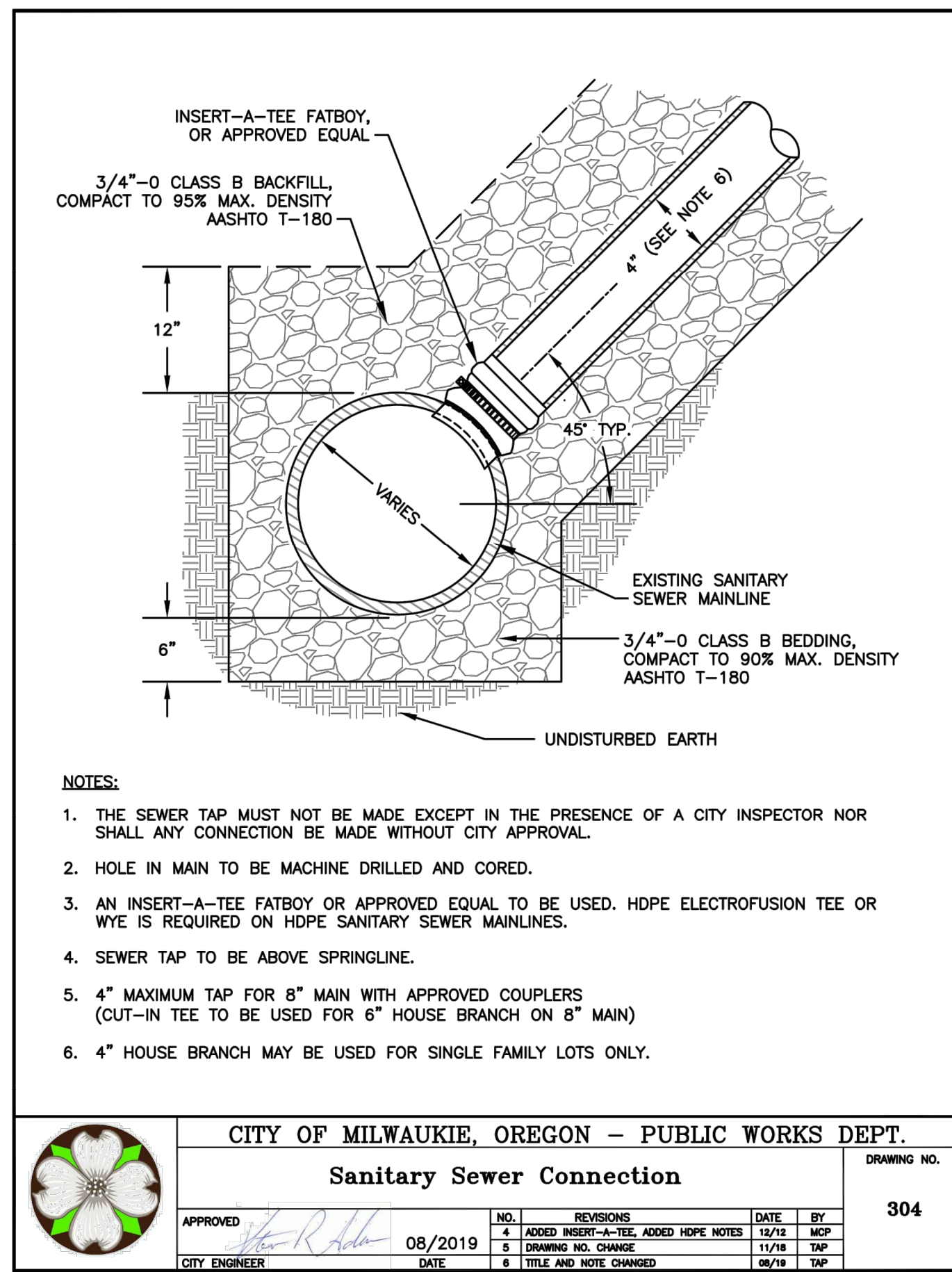
**BID SCHEDULE A**

**42ND AVENUE SAFE PROJECT**

**SIGNAGE AND STRIPING DETAILS**

PROJECT NO.: CIP 2020-A10 CONTRACT NO.: DATE: 10/20/2020 SHEET NO.: SN4





CITY OF MILWAUKIE, OREGON - PUBLIC WORKS DEPT.		DRAWING NO.	
Sanitary Sewer Connection		304	
APPROVED	08/2019	NO.	REVISIONS
		4	ADDED INSERT-A-TEE, ADDED HOPE NOTES
		5	DRAWING NO. CHANGE
		6	TITLE AND NOTE CHANGED

CITY OF MILWAUKIE, OREGON - PUBLIC WORKS DEPT.		DRAWING NO.	
Sanitary Sewer Service Branch		305	
APPROVED	08/2019	NO.	REVISIONS
		3	CHANGED WORDING ON NOTES
		4	DRAWING NO. CHANGE
		5	TITLE CHANGE, NOTES CHANGED

CITY OF MILWAUKIE, OREGON - PUBLIC WORKS DEPT.		DRAWING NO.	
Trench Patch		510	
APPROVED	08/2019	NO.	REVISIONS
		3	ADDED T-CUT LANGUAGE
		4	DRAWING NUMBER CHANGED
		5	UPDATED NOTES, DRAWING NUMBER CHANGE

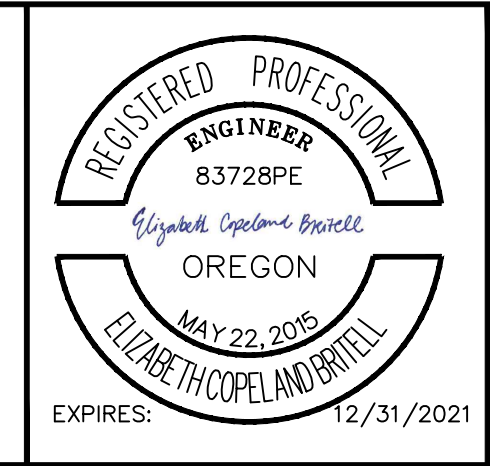
NO.	DATE	BY	REVISIONS

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DESIGNED DATE

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DRAFTED DATE

WLM/JAG 6/30/2020  
CHECKED DATE

SRA 5/18/2021  
APPROVED DATE



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**BID SCHEDULE A**

42ND AVENUE SAFE PROJECT  
SANITARY SEWER DETAILS

PROJECT NO.: CIP 2020-A10 CONTRACT NO.: DATE: 10/20/2020 SHEET NO.: SS2