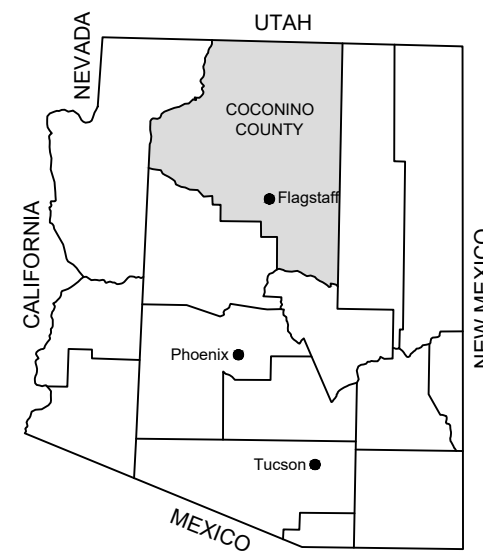
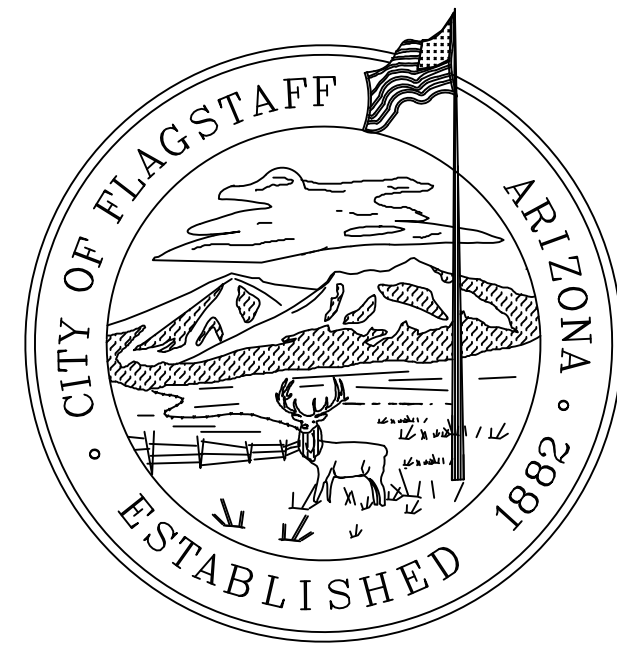


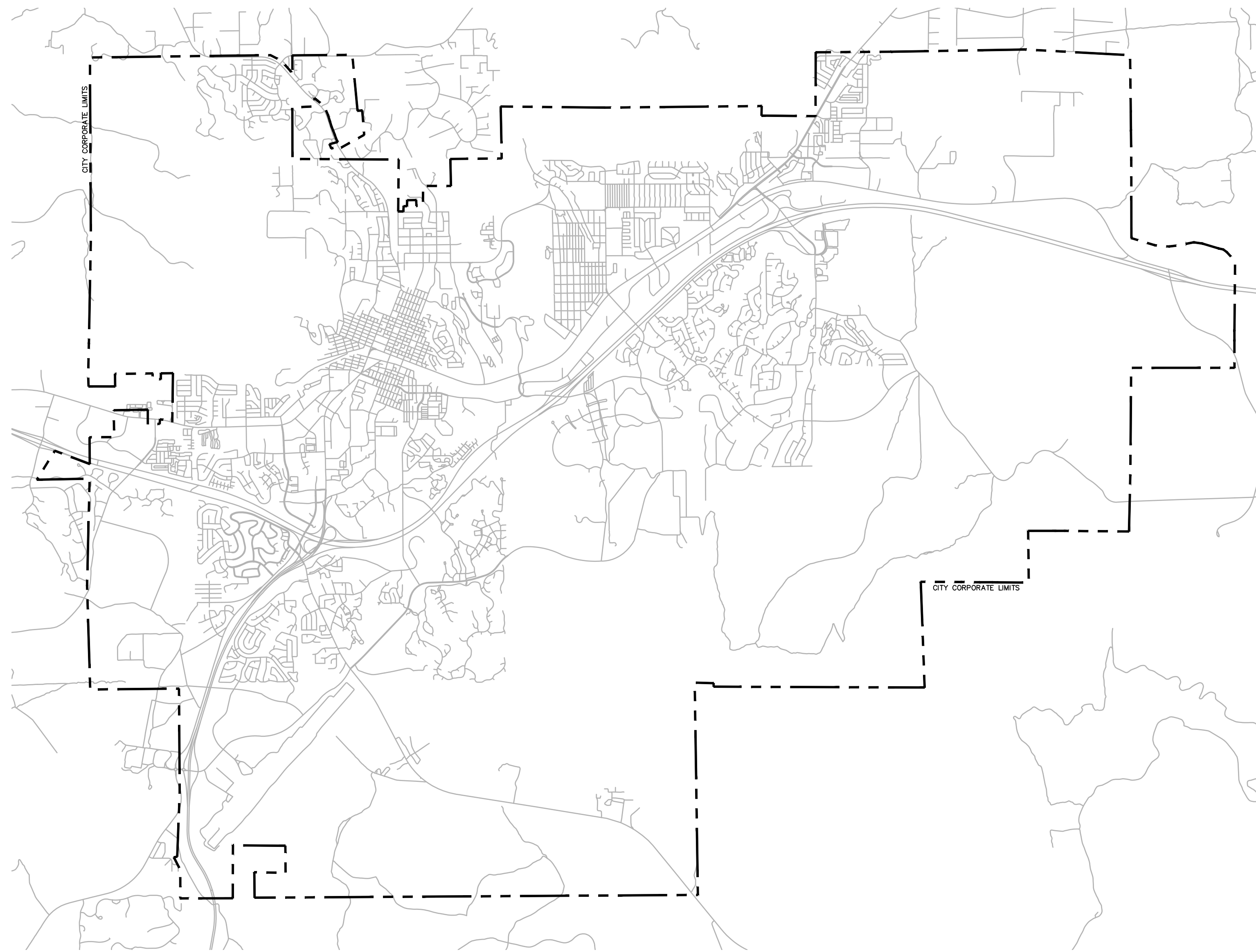
CITY OF FLAGSTAFF, ARIZONA

FLAGSTAFF STREET MAINTENANCE PROGRAM 2019 OVERLAY

C.O.F. FILE NO. 01-19001



STATE MAP
NO SCALE



CITY MAP
NO SCALE

OWNER
CITY OF FLAGSTAFF
211 W. ASPEN AVENUE
FLAGSTAFF, ARIZONA 86001
928-213-2000

ENGINEER
SHEPHARD WESNITZER, INC.
110 W. DALE AVENUE
FLAGSTAFF, ARIZONA 86001
928-774-0354

PUBLIC IMPROVEMENTS APPROVAL:

ARIZONA PUBLIC SERVICE CO.	DATE
UNISOURCE ENERGY	DATE
SUDDEN LINK	DATE
CENTURY LINK	DATE
AT&T	DATE

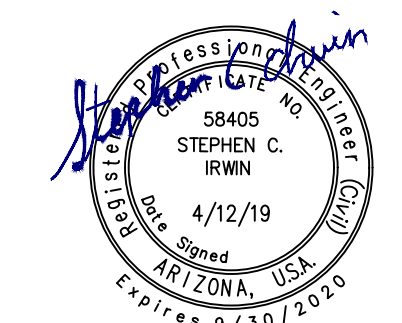
APPROVED:

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY. THE CITY SHALL NOT BE LIABLE FOR ERRORS OR OMISSIONS OF THE DESIGN ENGINEER

CITY ENGINEER	DATE
CITY PUBLIC WORKS DIRECTOR	DATE
CITY WATER SERVICES DIRECTOR	DATE

SHEET INDEX

- C01 COVER
- C02 NOTES & DETAILS
- C03 KEY MAP - OVERLAY
- C04 IMPROVEMENT SCHEDULE



C.O.F. Project Number: 01-19001

		110 W. Dale Avenue Flagstaff, AZ 86001 928.774.0354 928.774.8934 fax www.swi.coz.com	FLAGSTAFF STREET MAINTENANCE PROGRAM 2019 ARIZONA
JOB NO: 19009 DATE: APR 19 SCALE: N/A DRAWN: BH DESIGN: BH/ET CHECKED: SCI	COVER SHEET		
REVISIONS NO. DESCRIPTION DATE BY			
DRAWING NO. C01			
SHT NO. 01	OF 04		

GENERAL NOTES

- 1. APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS FOR A ONE-YEAR PERIOD, SUBSEQUENT TO THE DATE OF APPROVAL. IF CONSTRUCTION WORK IS NOT STARTED WITHIN THE ONE-YEAR PERIOD OR HAS BEEN DISCONTINUED FOR ANY REASON FOR LONGER THAN ONE YEAR, THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND RE-APPROVAL.
2. PLAN REVIEW BY THE CITY DOES NOT EXTEND TO MATERIAL QUANTITIES SHOWN ON THE PLANS.
3. A PUBLIC WORKS PERMIT, ISSUED BY THE CITY, IS REQUIRED FOR ALL WORK IN CITY RIGHTS-OF-WAY OR EASEMENTS AND FOR CONSTRUCTION OF ANY IMPROVEMENTS INTENDED TO BECOME PUBLIC PROPERTY.
4. THE CITY SHALL BE NOTIFIED 24 HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION SO THAT CITY INSPECTORS MAY BE SCHEDULED.
5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH TITLE 13, ENGINEERING DESIGN STANDARDS AND SPECIFICATIONS FOR NEW INFRASTRUCTURE, CURRENT "MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION", THE CITY OF FLAGSTAFF STORMWATER DESIGN MANUAL, AND WITH GENERALLY ACCEPTED ENGINEERING DESIGN AND CONSTRUCTION PRACTICE. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING CHAPTER 13-21 OF THESE STANDARDS, WHICH MAKES MINOR MODIFICATIONS TO CERTAIN MAG SPECIFICATIONS AND DETAILS.
6. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
7. THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN HIS JUDGMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO THE PUBLIC HEALTH OR SAFETY.
8. THE CITY ENGINEER MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY ALL SAMPLES REQUIRED FOR TESTING.
9. ACCESS THAT MEETS SECTION 13-13-004-0001, FIRE ACCESS, SHALL BE IN PLACE AND APPROVED BEFORE AND AT ALL TIMES DURING ON-SITE COMBUSTIBLE CONSTRUCTION AND/OR PRIOR TO ISSUANCE OF BUILDING PERMITS IN NEW SUBDIVISIONS. FIRE DEPARTMENT AND ENGINEERING SECTION APPROVAL IS REQUIRED FOR OBSTRUCTION OF ACCESS OR WATER SYSTEM SHUTDOWN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STREETS AND OF PARTIALLY COMPLETED PORTIONS OF THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK. THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER FOR APPROVAL A CONSTRUCTION SCHEDULE FOR ANY STREETS REQUIRED TO BE CLOSED OR PARTIALLY CLOSED FOR THE CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL REOPEN THE STREETS NO LATER THAN THE OPENING DATE SHOWN ON THE CONSTRUCTION SCHEDULE OR UPON ORDER OF THE CITY ENGINEER. THE REGULATION AND CONTROL OF CONSTRUCTION TRAFFIC SHALL BE AS DIRECTED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
11. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE WORKABLE UNIT. ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE AND WHICH ARE DUE TO IMPROPER WORKMANSHIP OR INFERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY OR AT THE EXPENSE OF THE OWNER/DEVELOPER OR THE CONTRACTOR.
12. ACCEPTANCE OF COMPLETED PUBLIC IMPROVEMENTS WILL NOT BE GIVEN UNTIL DEFECTIVE OR UNAUTHORIZED WORK IS REMOVED, AND FINAL CLEAN-UP IS COMPLETE.
13. LOCATION OF UNDERGROUND UTILITIES BEFORE WORK IS BEGUN IS TO BE ACCOMPLISHED IN ACCORDANCE WITH ARS 40-360.22.
14. IF WORK IS DONE ON PRIVATE PROPERTY IN RELATION TO A PROJECT CONSTRUCTED UNDER THESE STANDARDS, THE CONTRACTOR WILL PROVIDE THE CITY WITH WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER TO DO SO.
15. THE ESTABLISHMENT AND USE OF TEMPORARY CONSTRUCTION YARDS SHALL CONFORM TO THE CURRENT CITY ZONING CODE STANDARDS FOR "TEMPORARY USES."
16. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE CITY CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY APPROVALS AND PERMITS, AS DEEMED NECESSARY BY THE CITY, TO DISPOSE OF EXCAVATED MATERIAL.

GENERAL NOTES (CONT.)

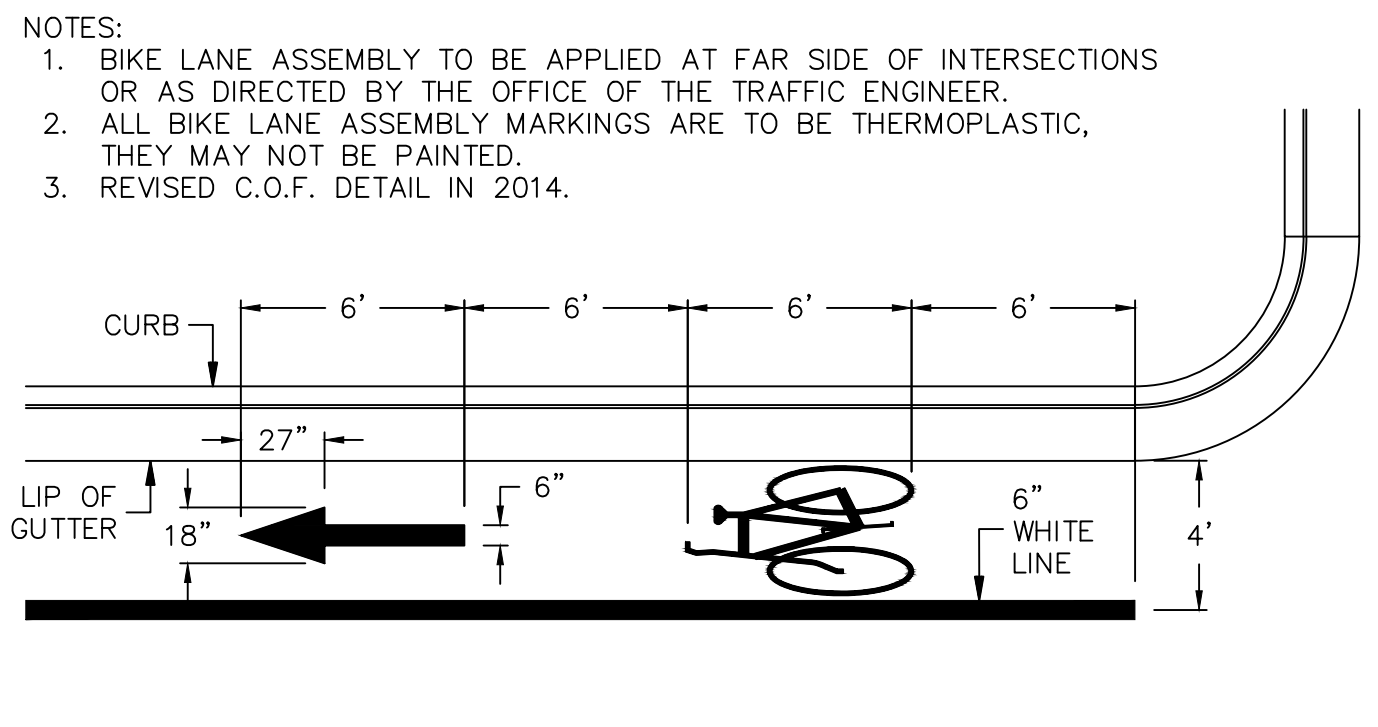
- 17. ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER AND PERFORMED UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR OR CIVIL ENGINEER.
18. ALL TRAFFIC SIGN SHEETING SHALL BE TYPE VIII AS DESIGNED BY ASTM D4956-07E1 STANDARD SPECIFICATIONS FOR RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL, UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION PLANS.
19. WHEN THE CONSTRUCTION PLANS SPECIFY GRAFFITI CONTROL ON BRIDGES OR OTHER STRUCTURES, THE CONTRACTOR SHALL SEAL THE STRUCTURE FIRST USING MONOCHEM AQUASEAL ME 12 AND THEN APPLY MONOCHEM PERMASHIELD, SACRIFICIAL GRAFFITI CONTROL SYSTEM (OR APPROVED EQUAL).
20. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED RESEDED IN ACCORDANCE WITH CHAPTER 13-17 OF THIS TITLE. IN THE EVENT THAT THE CONSTRUCTION ACTIVITY DISTURBS MORE THAN ONE ACRE, A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED IN ORDER TO OBTAIN A CONSTRUCTION GENERAL PERMIT FROM ADEQ. (ORD. 2017-22, REP&REEN, 07/05/2017)

PAVING NOTES

- 1. EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. WHEN A LONGITUDINAL JOINT ASSOCIATED WITH A TRENCH PATH, PAVEMENT MATCHUP OR OTHER OCCURS ON A STREET THAT INCLUDES A BIKE LANE, THE JOINT SHALL BE LOCATED OUTSIDE THE BIKE LANE.
2. NO JOB WILL BE CONSIDERED COMPLETE UNTIL:
A) ALL CURBS, PAVEMENTS, SIDEWALKS, CATCH BASINS, STORM DRAINS, AND MANHOLES HAVE BEEN CLEANED OF ALL DIRT AND DEBRIS
B) SURVEY MONUMENTS ARE INSTALLED AND STAMPED
C) ALL FRAMES, COVERS, AND VALVE BOXES ARE ADJUSTED TO GRADE.
3. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED AND APPROVED UNDER PROPOSED PAVED AREAS.

- 4. BASE COURSE WILL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
5. THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED AND MADE ACCESSIBLE TO THE CITY.
6. UTILITY FACILITIES IN CONFLICT WITH THIS WORK WILL BE RELOCATED BY THE PERMITTEE OR THE UTILITY OWNER. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS.
7. EXISTING STREET NAME SIGNS, TRAFFIC SIGNS AND DEVICES ASSOCIATED WITH THE PROJECT SHALL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE CONTRACTOR AS SHOWN ON THE APPROVED PLANS.
8. ANY CHANGES OR ADDITIONS TO PAVEMENT MARKINGS CAUSED BY PAVEMENT OVERLAY, CHIP SEAL, OR INSTALLATION OF UNDERGROUND FACILITIES SHALL BE SHOWN ON THE APPROVED PLANS.

- 9. ACCESS THAT MEETS SECTION 13-13-004-0001, FIRE ACCESS, SHALL BE IN PLACE AND APPROVED BEFORE AND AT ALL TIMES DURING ON-SITE COMBUSTIBLE CONSTRUCTION AND/OR PRIOR TO ISSUANCE OF BUILDING PERMITS IN NEW SUBDIVISIONS. FIRE DEPARTMENT AND ENGINEERING SECTION APPROVAL IS REQUIRED FOR OBSTRUCTION OF ACCESS OR WATER SYSTEM SHUTDOWN.
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TYPICAL BIKE LANE ASSEMBLY DETAIL NO SCALE

PAVING NOTES (CONT.)

- 17. ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER AND PERFORMED UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR OR CIVIL ENGINEER.
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- 21. ALL CURB AND GUTTER, SIDEWALK, DRIVEWAYS, AND SIDEWALK RAMPS SHALL BE CONSTRUCTED ON A MINIMUM 3 INCHES OF AGGREGATE BASE COURSE (ABC). THE ABC SHALL BE CONSTRUCTED IN ACCORDANCE WITH MAG SECTION 310, AND SHALL BE COMPACTED TO 95% RELATIVE DENSITY. ALL PRECAST STRUCTURES SUCH AS MANHOLE BASES, CATCH BASINS, AND BOX CULVERTS SHALL BE CONSTRUCTED ON A MINIMUM OF 3 INCHES OF ABC.
22. PERMANENT PAVEMENT MARKINGS.
22.1. LONGITUDINAL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13-16-006-0001.
22.2. TRANSVERSE PAVEMENT MARKINGS SUCH AS STOP BARS, CROSSWALKS, ARROWS, AND LEGENDS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13-16-006-0002.
23. TEMPORARY PAVEMENT MARKINGS.
23.1. TEMPORARY PAVEMENT MARKINGS, WHEN APPROVED, SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13-16-006-0001 AND SECTION 13-16-006-0002.
23.1.1. THE USE OF TEMPORARY MARKINGS IS STRONGLY DISCOURAGED AND MAY ONLY BE USED WITH PRIOR APPROVAL. WHEN IT IS USED, THE CONTRACTOR MUST BE AVAILABLE TO RESTRIPE AS NEEDED UNTIL THE PERMANENT MARKINGS CAN BE INSTALLED.
23.1.2. WHEN IT IS IMPRACTICABLE FOR THE CONTRACTOR TO PROVIDE PERMANENT MARKINGS, THE CITY PUBLIC WORKS DEPARTMENT MAY INSTALL THE MARKINGS ON BEHALF OF THE CONTRACTOR PROVIDED THE FEE FOR THE WORK IS AGREED UPON AND PAID FOR IN ADVANCE.
24. THE MAXIMUM THICKNESS OF A SINGLE LIFT OF PAVEMENT SHALL BE 4 INCHES.

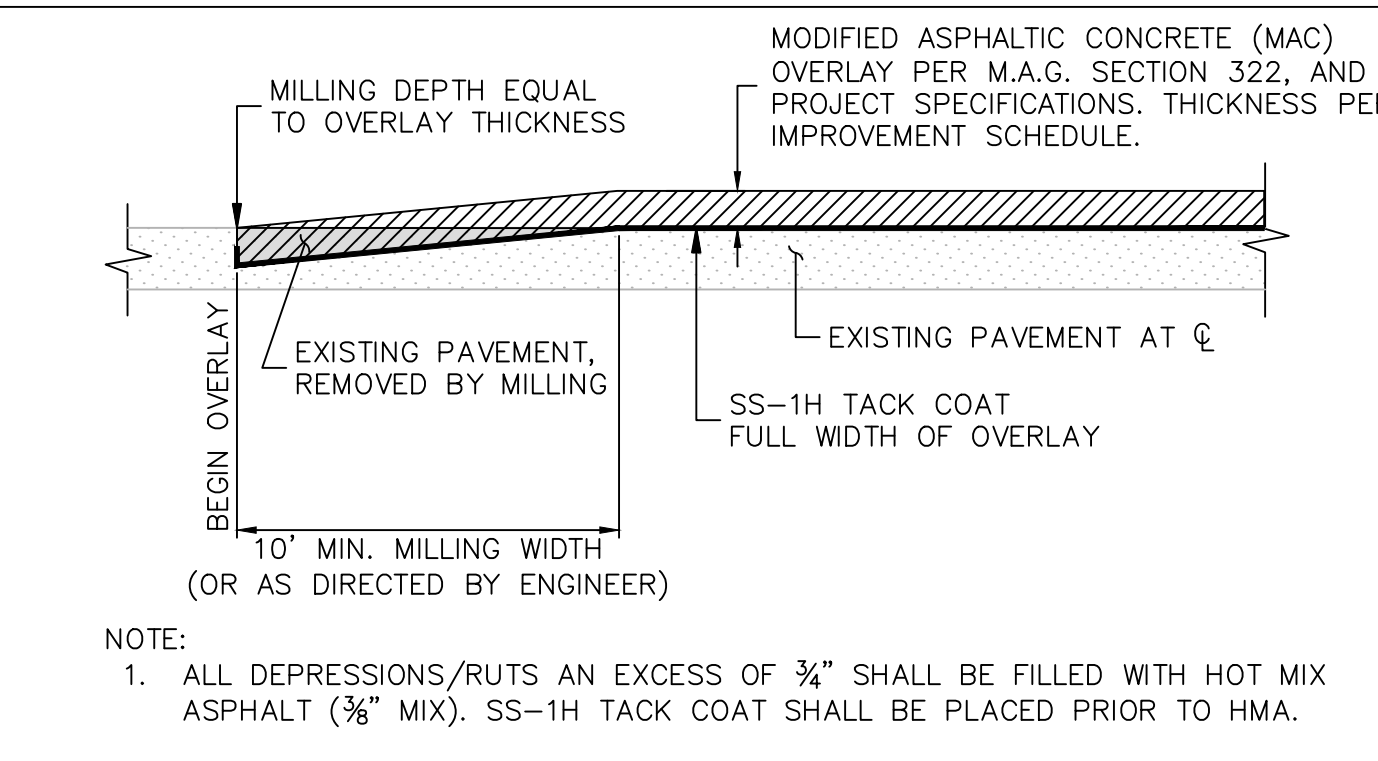
- 25. THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED AND MADE ACCESSIBLE TO THE CITY.
26. UTILITY FACILITIES IN CONFLICT WITH THIS WORK WILL BE RELOCATED BY THE PERMITTEE OR THE UTILITY OWNER. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS.
27. EXISTING STREET NAME SIGNS, TRAFFIC SIGNS AND DEVICES ASSOCIATED WITH THE PROJECT SHALL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE CONTRACTOR AS SHOWN ON THE APPROVED PLANS.
28. ANY CHANGES OR ADDITIONS TO PAVEMENT MARKINGS CAUSED BY PAVEMENT OVERLAY, CHIP SEAL, OR INSTALLATION OF UNDERGROUND FACILITIES SHALL BE SHOWN ON THE APPROVED PLANS.

STORMWATER NOTES

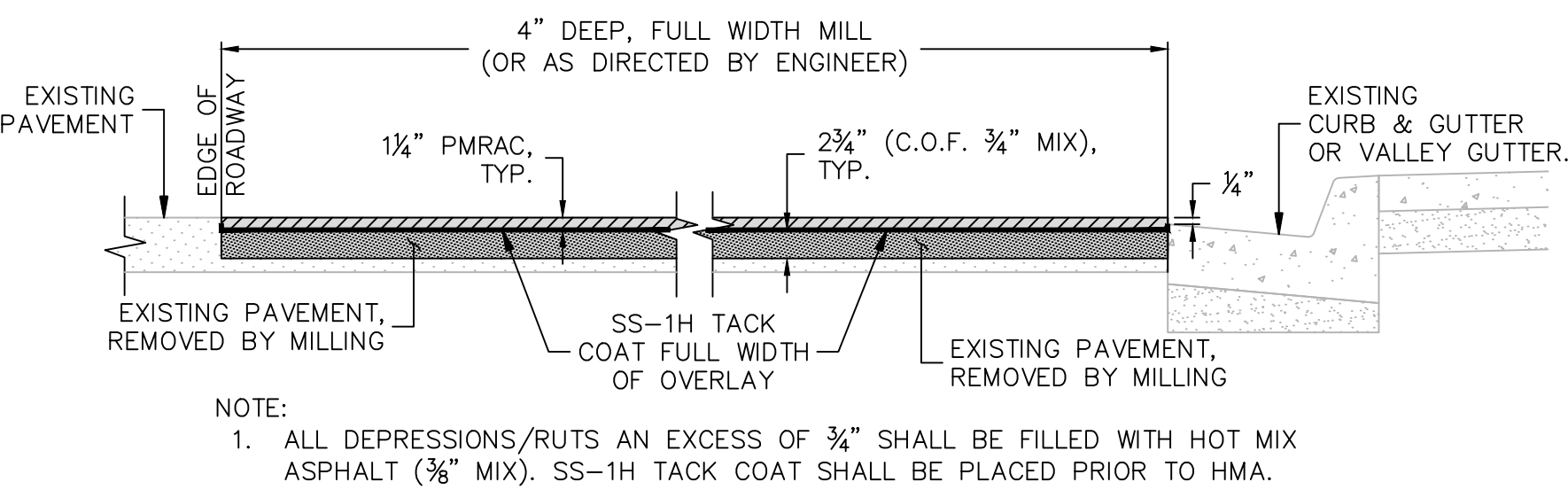
- 1. ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR PROPERTY OWNER.

SPECIAL NOTES

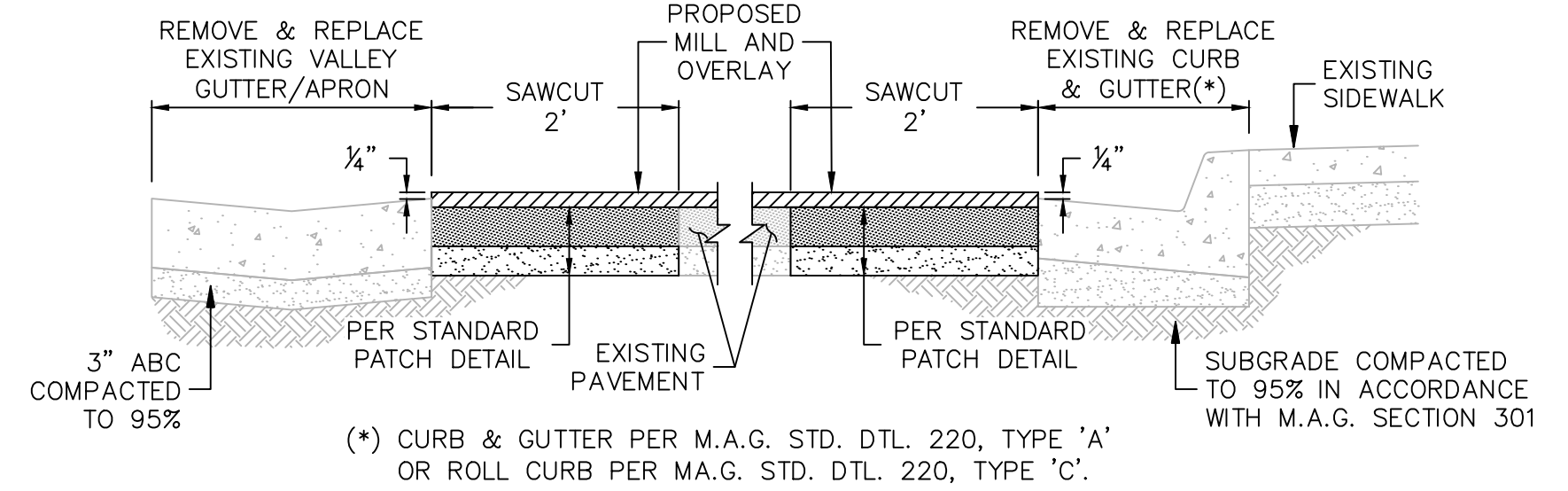
- 1. CRACK FILL SHALL BE PLACED IN CRACKS THAT HAVE A WIDTH OF 1/8" TO 1 1/2". CRACKS THAT ARE WIDER THAN 1 1/4" SHALL BE FILLED WITH 3/8" HOT MIX ASPHALT.



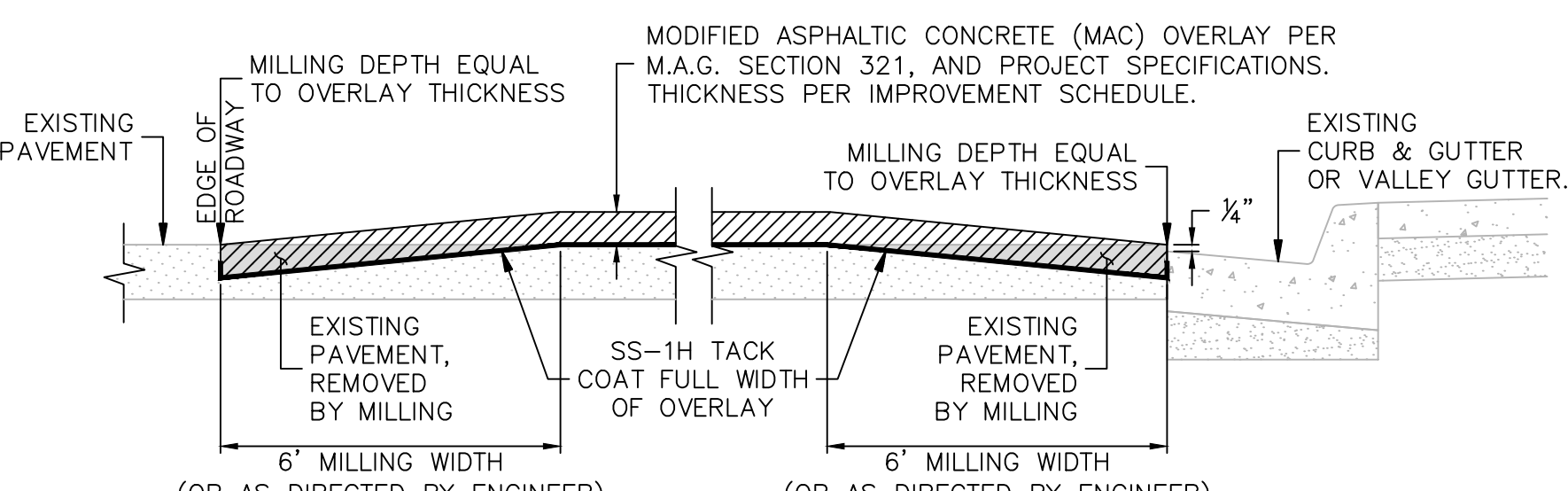
OVERLAY MATCHING DETAIL NO SCALE



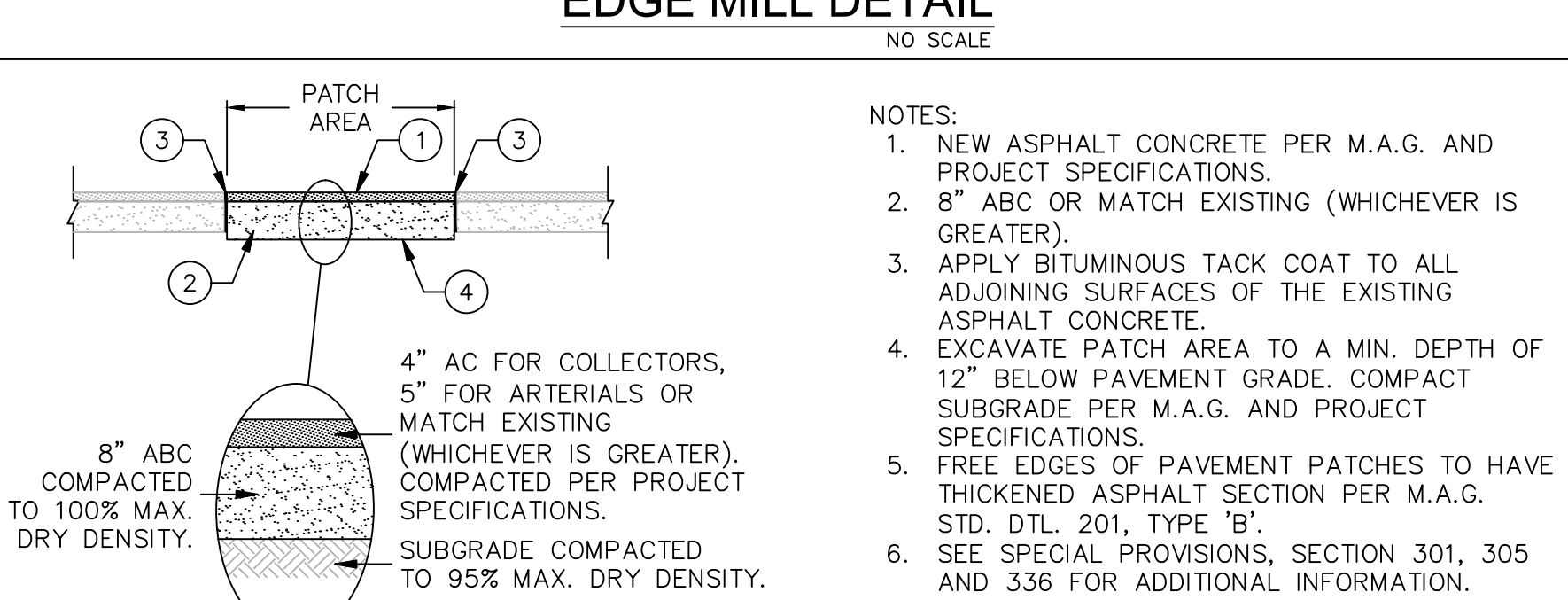
METZ WALK - MILL DETAIL NO SCALE



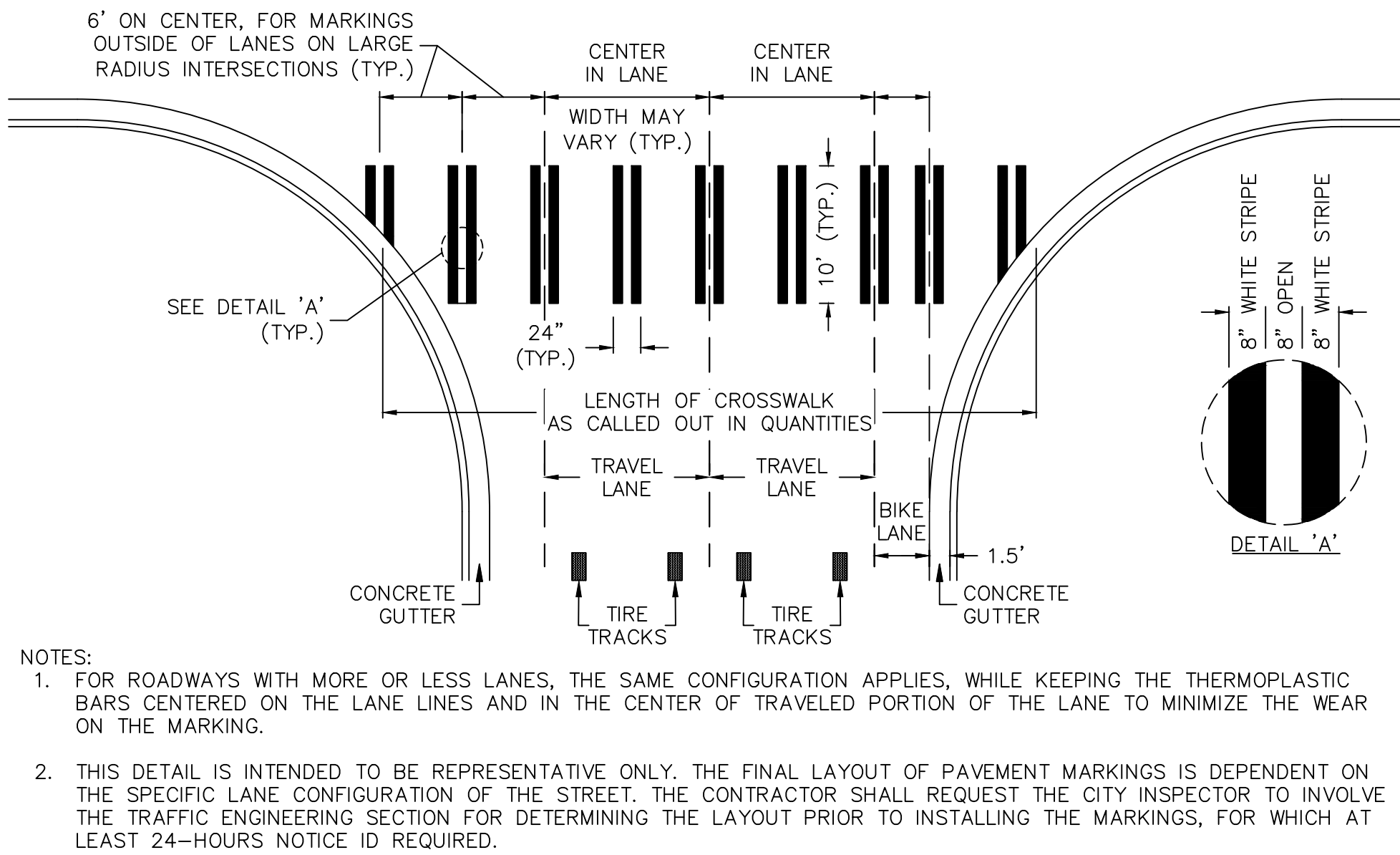
TYPICAL PAVEMENT R&R AT CURB & GUTTER, VALLEY GUTTER AND APRON DETAIL NO SCALE



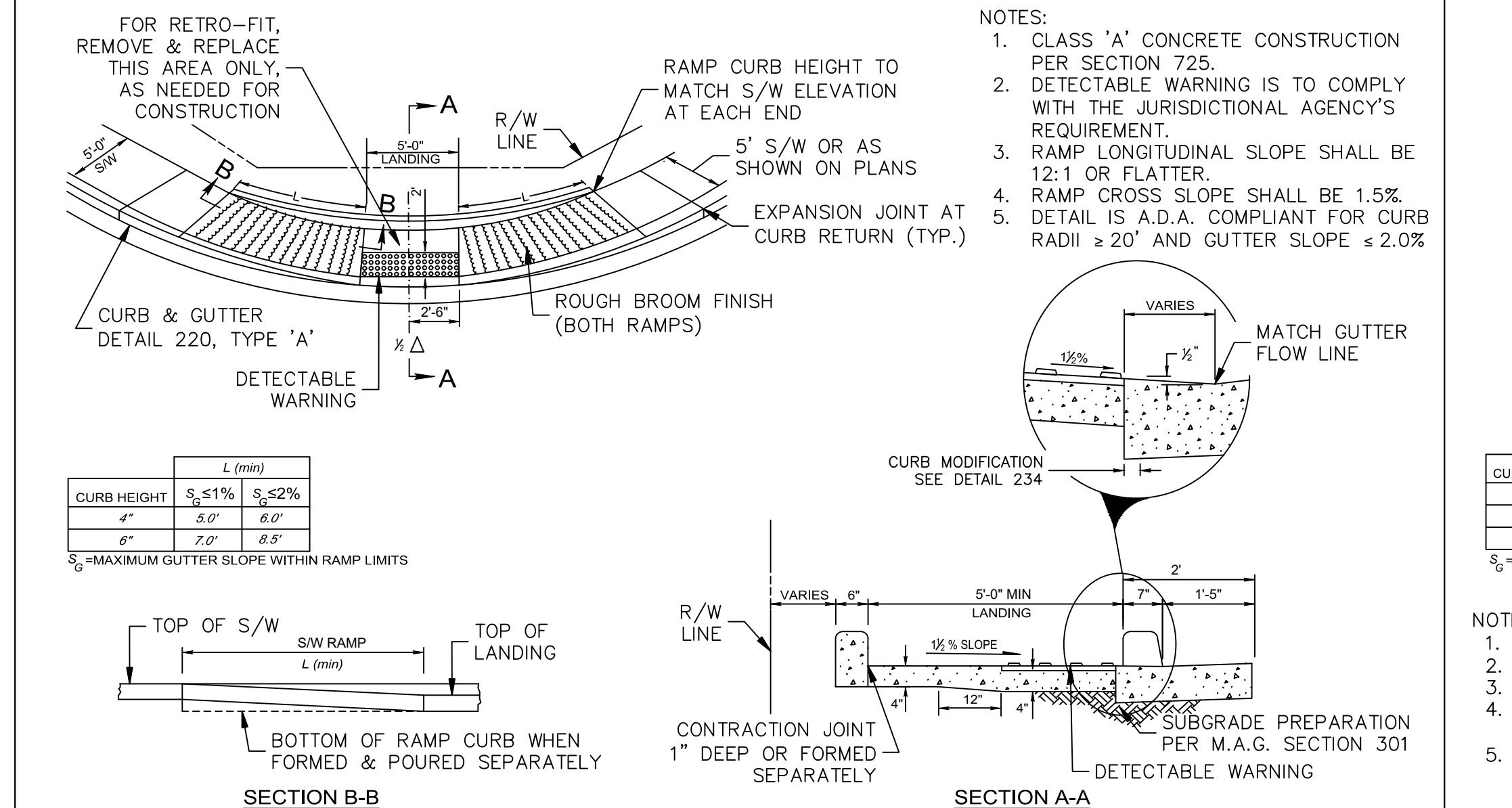
EDGE MILL DETAIL NO SCALE



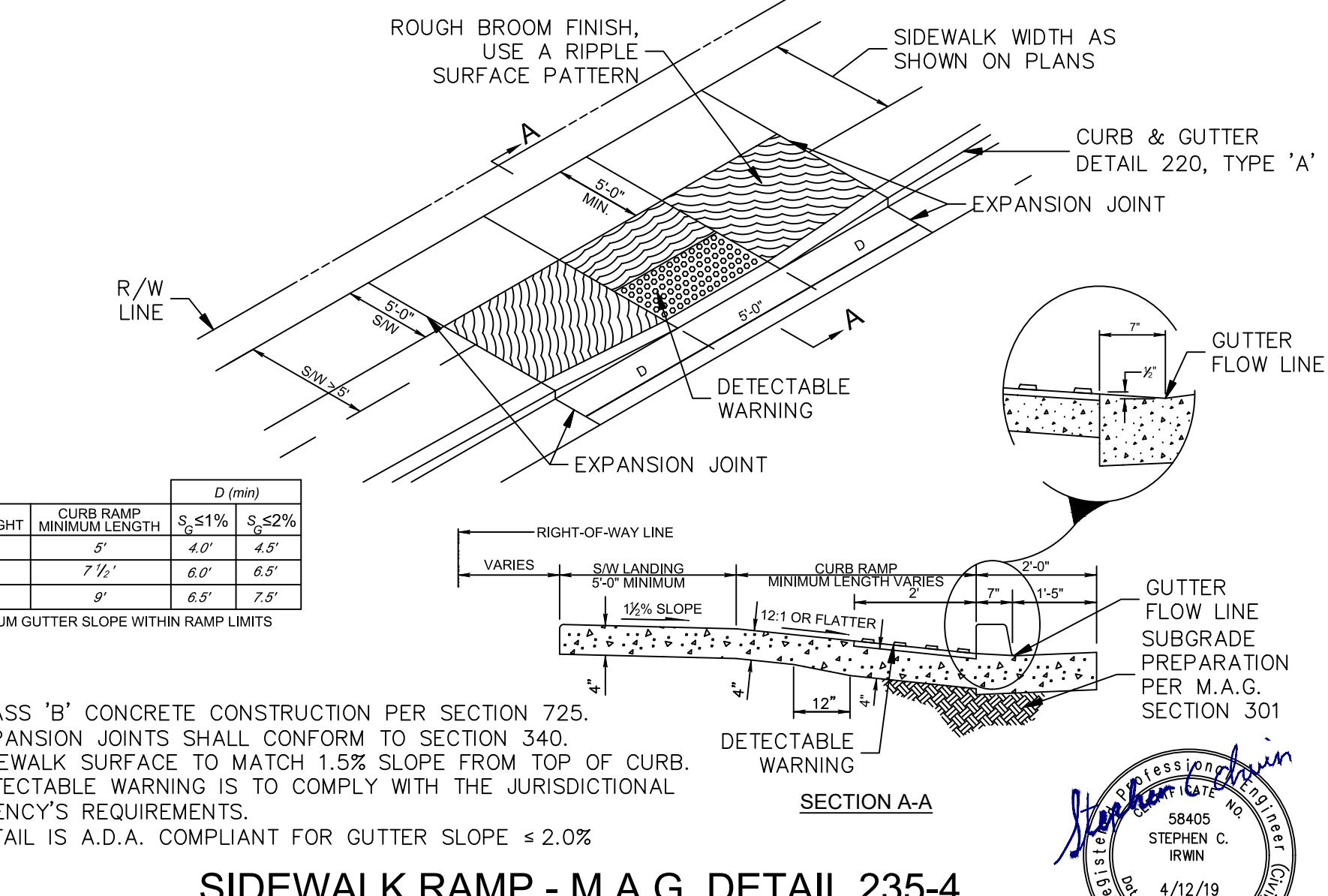
STANDARD PATCH DETAIL NO SCALE



TYPICAL CROSSWALK MARKING LAYOUT DETAIL NO SCALE



SIDEWALK RAMP - M.A.G. DETAIL 235-3 NO SCALE



SIDEWALK RAMP - M.A.G. DETAIL 235-4 NO SCALE

NOTES & DETAILS. Includes project information: FLAGSTAFF STREET MAINTENANCE PROGRAM 2019 ARIZONA. Job No: 19009, Date: APR 19, Scale: N/A, Drawn: BH, Design: BH/ET, Checker: SCI. Location: 110 W. Dole Avenue, Flagstaff, AZ 86001. Contact: 928.774.8934, www.swi.gov. Logo for SWI Shephard Wesnitzer, Inc. and ARIZONA811 Arizona Blue Stakes, Inc. Drawing No: C02, SHT No: 02 OF 04. C.O.F. Project Number: 01-19001.

IMPROVEMENT SCHEDULE

MAC OVERLAY STREETS

MAP ID	Street Name	Start	End	*Length	*Width	MAC Thickness	OCI	Treatment
				FT	FT			
1	Anita Ave.	Lake Mary Rd.	East End	1,323.00	35.00	1.25	55.88	MAC & RS
2	Bonito St.	Elm St.	Dale Ave.	498.00	37.00	1.25	62.14	MAC & RS
3	Bonito St.	Navajo Rd.	Elm St.	1,429.00	37.00	1.25	57.9	MAC & RS
4	Kaibab Ln.	Woodlands Village Blvd.	East End	1,291.00	37.00	1.25	25.03	MAC
5	Thorpe Rd.	Kinlani Rd.	Bonito St.	1,903.00	34.00	1.25	45.42	MAC & RS
6	Woodlands Village Blvd.	Route 66	Kaibab Ln.	427.00	38.00	1.25	35.19	MAC & RS
7	Pinnacle St.	Route 66	Kaibab Ln.	606.00	37.00	1.25	52.67	MAC
8	Walapai Dr.	Lake Mary Rd.	Zuni Dr.	2,144.00	41.50	1.25	58.58	MAC & RS
9	Thorpe Rd.	Cherry Ave.	Sante Fe Ave.	1,131.00	34.00	1.25	43.93	MAC & RS
10	Thorpe Rd.	Cherry Ave.	Kinlani Rd.	1,520.00	33.00	1.25	44.79	MAC & RS
11	Kaibab Ln.	Thompson St.	850' East	850.00	39.00	1.25	66.5	MAC & RS
12	Kaibab Ln.	Woodlands Village Blvd.	900' West	900.00	37.00	1.25	65.53	MAC
13	Plaza Way	Yale St.	Milton Rd.	1,125.00	37.00	1.25	51.07	MAC & RS
14	Forest/Cedar Ave.	Beaver St. (East side)	West St.	8,587.00	65.00	1.25		MAC & RS
15	Chamber Dr.	Milton Rd.	Riordan Ranch Rd.	320.00	38.00	1.25	66.58	MAC & RS
16	Metz Walk	Route 66	Riordan Ranch Rd.	750.00	37.00	1.25	58.25	MAC & RS
17	Metz Walk	Riordan Ranch Rd.	University Dr.	210.00	37.00	1.25	58.25	MAC & RS
18	Monte Vista Dr.	Linda Vista Dr.	South End	150.00	33.00	1.25	43.41	MAC
19	Lois Ln.	Peak View St.	West End	456.00	37.70	1.25		MAC
20	Lake Mary Rd.	Mohawk Dr.	Walapai Dr.	1,320.00	68.00	1.25		MAC & RS
21	Aztec St.	Beale St.	Thorpe Rd.	1,065.00	20.00	1.25		MAC
22	Thompson St.	Kaibab Ln.	End	1,711.00	31.00	1.25		MAC

* MEASUREMENTS WERE PROVIDED BY OTHERS AND HAVE NOT BE VERIFIED BY SHEPHARD WESNITZER, INC.

ESTIMATED CONTRACT QUANTITIES

NO.	DESCRIPTION	QUANTITY	UNIT
1	ADJUST MANHOLE FRAME & COVER (CITY DTL. 9-03-062)	24.0	EA
2	AIRPORT CRACK FILL	N/A	T
3	BITUMINOUS MATERIAL (CRS-2F)	N/A	T
4	COVER MATERIAL (CM-11)	N/A	T
5	CRACK SEALING	55.8	
6	HOT MIX ASPHALT - (LARGE THERMAL CRACK FILLER)	100.0	T
7	LOWER MANHOLE FRAME & COVER, SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES	59.0	EA
8	MODIFIED ASPHALTIC CONCRETE	10519.2	T
9	PAVEMENT MILLING	49161.0	SY
10	REMOVE AND REPLACE CONCRETE APRON & VALLEY GUTTER	3659.7	SF
11	REMOVE AND REPLACE CONCRETE DRIVEWAY (INCLUDING. 6"ABC)	6232.7	SF
12	REMOVE AND REPLACE CURB AND GUTTER (ROLL- INCLUDING. 3"ABC)	305.0	LF
13	REMOVE AND REPLACE CURB AND GUTTER (VERTICAL- INCLUDING. 3"ABC)	1821.0	LF
14	REMOVE AND REPLACE CURB IN APRON	827.0	LF
15	REMOVE AND REPLACE PAVEMENT (4" AC [C-3/4"]) PATCH	608.0	SY
16	REMOVE AND REPLACE SEWER MANHOLE	0.0	EA
17	REMOVE AND REPLACE SIDEWALK (INCLUDING. 3"ABC)	31697.4	SF
18	REMOVE AND REPLACE SURVEY MONUMENTS	18.0	EA
19	REMOVE RAMP & INSTALL DETECTABLE WARNING (ADA Ramp MAG 235-3) INCLUDING 3" ABC	24.0	EA
20	REMOVE RAMP & INSTALL DETECTABLE WARNING (ADA Ramp MAG 235-4) INCLUDING 3" ABC	8.0	EA
21	REMOVE, REPLACE & ADJUST WATER VALVE BOX AND COVER (CITY DTL. 9-03-060)	54.0	EA
22	STREET REBUILDING & PATCHING CONTINGENCY	300.0	SY
23	STRIPING AND MARKING	1.0	LS
24	TACK COAT (SS-1H)	31.2	T
25	TRAFFIC CONTROL	1.0	LS
26	LOWER WATER VALVE BOX	50.0	EA
27	ADJUST SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES (CITY DTL. 9-03-062)	7.0	EA
28	CONSTRUCTION SURVEY	1.0	LS
29	REMOVE RAMP & RETROFIT DETECTABLE WARNING (ADA Ramp MAG 232) INCLUDING 3" ABC	17.0	EA
30	MILL AND FILL LARGE THERMAL CRACKS ON FOREST AVE./CEDAR AVE.	5525.0	LF
31	MILL AND FILL LARGE THERMAL CRACKS ON LAKE MARY RD.	4080.0	LF
32	FOG COAT - LAKE MARY (WALAPAI TO CITY LIMITS)	N/A	T
33	FOG COAT - HIGH COUNTRY TRL. (WILD WEST TO PULLIAM) & PULLIAM RD. (HIGH COUNTRY TO J.W. POWELL)	N/A	T
34	MILL 4" DEPTH METZ WALK (2-3/4" C.O.F. 3/4" MIX AND 1-1/4" PMRAC)	5880.0	SF
35	RECONSTRUCT ROADWAY (120' WEST OF THORPE RD./BONITO ST. INTERSECTION)	400.0	SY
36	ROADWAY SHOULDERING (AZTEC ST.)	7200.0	SF

TREATMENT LEGEND

- CF - CRACK FILL
- CS - CHIP SEAL
- RS - RE-STRIPES
- MAC - MODIFIED ASPHALTIC CONCRETE OVERLAY

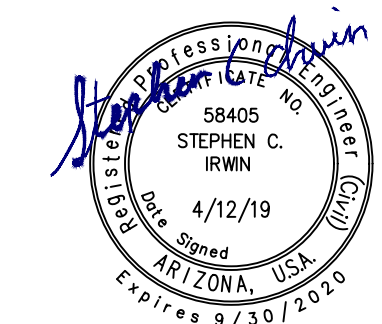
NOTES:

1. ALL LONGITUDINAL STRIPING IS QUANTIFIED BY THE LENGTH OF ROADWAY OVER WHICH THE COMPLETE STRIPING PATTERN AS DESCRIBED ABOVE IS TO BE APPLIED.
2. RE-STRIPING OF STREETS WILL REQUIRE REFERENCING OF EXISTING STRIPING BEFORE SURFACE TREATMENT. WHICH WILL THEN BE USED TO LAYOUT STRIPING AFTER SURFACE TREATMENT IS COMPLETED.
3. RE-STRIPING REQUIRES A DOUBLE APPLICATION FOR ALL PAINTED MARKINGS WITH A SECOND APPLICATION AT LEAST 3 HOURS AFTER FIRST APPLICATION.
4. QUANTITIES INCLUDE REMOVAL AND REPLACEMENT OF CURB, GUTTER, VALLEY GUTTER, SIDEWALK AND SIDEWALK RAMPS AS IDENTIFIED IN APPENDIX C OF THE CONTRACT DOCUMENTS.
5. QUANTITIES INCLUDE ADDITIONAL CRACK SEAL WORK AS IDENTIFIED IN APPENDIX D OF THE CONTRACT DOCUMENTS.
6. ALL CROSS WALKS, STOP BARS, TURN LANE SYMBOLS AND BIKE LANE ASSEMBLY MARKINGS MUST BE THERMOPLASTIC ONLY. IF THE STRIPING IS NOT A TYPICAL LONGITUDINAL LANE MARKER STRIPE, IT MUST BE THERMOPLASTIC.

STRIPING & MARKING ESTIMATED QUANTITIES

NO.	Description	Quantity	Unit
1	4" Double Solid Yellow	23,653	LF
2	4" Yellow Hatching	189	LF
3	18" Preformed Stop Bar	742	LF
4	4" Broken White	14,320	LF
5	4" Solid / 4" Broken Yellow	5,682	LF
6	4" Solid White Edge Line	270	LF
7	6" Solid White Bike Lane Line	32,019	LF
8	Painted Bike Assembly	47	EA
9	Preformed Turn Arrows (RT., LT., Straight, Combo, Rail Road Crossing)	63	EA
10	Solid White Lane Lines	3,325	LF
11	6" Dashed Bike Lane	2,065	LF
12	Piano Key Crosswalk	1,297	LF

C.O.F. Project Number: 01-19001



FLAGSTAFF STREET MAINTENANCE PROGRAM 2019 ARIZONA

IMPROVEMENT SCHEDULE - OVERLAY

JOB NO: 19009

DATE: APR 19

SCALE: N/A

DRAWN: BH

DESIGN: BH/ET

CHECKED: SCI

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Shephard Wesnitzer, Inc.

REVISIONS

NO.

DESCRIPTION

DATE

BY

DRAWING NO.

C04

SHT NO.

04

OF

04