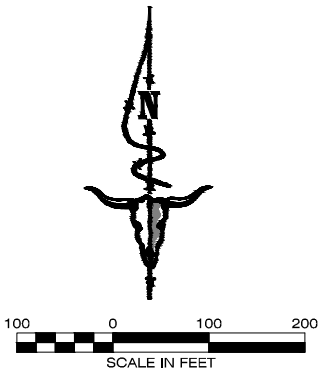


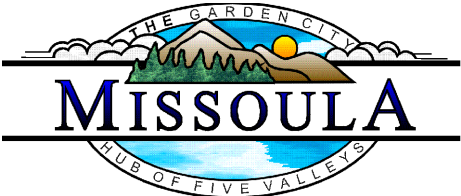
# CURB AND SIDEWALK CONSTRUCTION PLANS

MRA URD II - MAPLE AND BIRCH STREET IMPROVEMENTS  
LOCATED IN SECTION 17, T.13N., R.19W., P.M.M., MISSOULA COUNTY, MONTANA

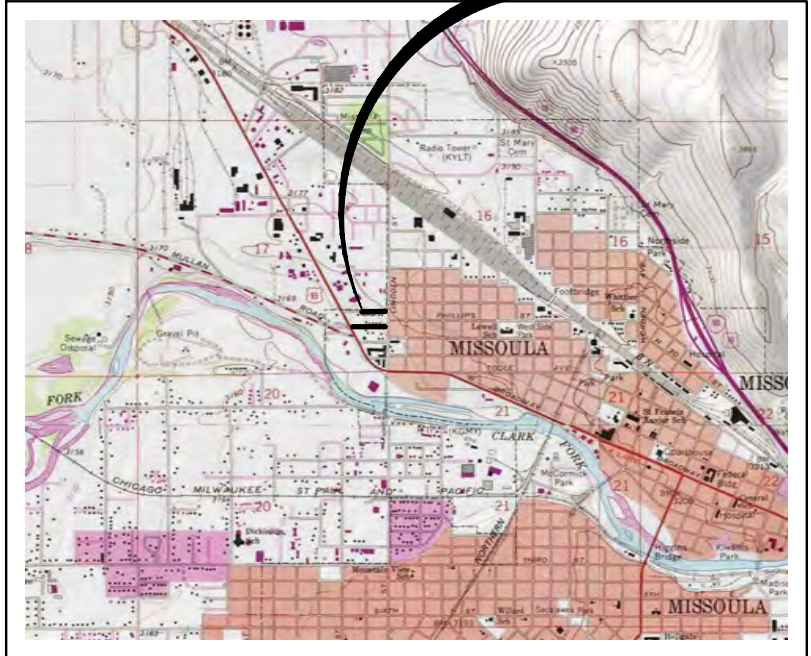


**811** Know what's below.  
Call before you dig.

CALL FOR THE MARKING OF  
UNDERGROUND UTILITIES  
**2 BUSINESS DAYS BEFORE**  
YOU DIG, GRADE, OR EXCAVATE



VICINITY MAP THIS PROJECT



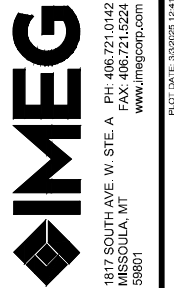
MISSOULA, MISSOULA COUNTY



PROJECT STATUS		
THESE PLANS REQUIRE, AT A MINIMUM, APPROVAL FROM THE AGENCIES LISTED BELOW. THEREFORE, THE OWNER & CONTRACTOR ARE ADVISED THAT BIDS & CONTRACTS SHOULD NOT BE FINALIZED UNTIL INDICATED BELOW.		
AGENCIES REVIEW STATUS:	REFERENCE #	APPROVAL DATE
CITY OF MISSOULA DEV. SERVICES	2024-MSS-PWI-00038	
PLAN SET IS READY FOR CONSTRUCTION <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
AS-BUILT DATE: PROJECT HAS BEEN CONSTRUCTED IN GENERAL CONFORMANCE WITH THE ABOVE APPROVALS, STATED SPECIFICATIONS, AND SHOWN HERE IN, UNLESS OTHERWISE SPECIFIED.		
PROJECT NOTES: <b>MISSOULA CITY PUBLIC WORKS STANDARDS &amp; SPECIFICATIONS (MCPWSS) EDITION JAN. 2024</b>		
DEVELOPER: CITY OF MISSOULA email: <a href="mailto:StovarpK@cl.missoula.mt.us">StovarpK@cl.missoula.mt.us</a>		

## SHEET INDEX

DESCRIPTION	SHEET NO.
LEGEND AND NOTES SHEET	SHEET 2 OF 6
PLAN AND PROFILE SHEET (MAPLE)	SHEET 3 OF 6
PLAN SHEET (BIRCH)	SHEET 4 OF 6
PLAN SHEET (BIRCH)	SHEET 5 OF 6
CROSS SECTIONS	SHEET 6 OF 6
DETAIL SHEET	SHEET D1 OF D2
DETAIL SHEET	SHEET D2 OF D2



REVISIONS	DATE
CITY STAGE 2.5	12/19/2024

DESIGNED:	CD
DRAFTED:	JW
CHECKED:	CD
DATE:	FEB, 2025

LOCATION:	MAPLE/BIRCH/SHERWOOD ST SECTION 17, T13N, R19W, P.M.M. CITY OF MISSOULA, MISSOULA CO., MT
PREPARED FOR:	MISSOULA REDEVELOPMENT AGENCY

PROJECT NAME	MRA URD II MAPLE & BIRCH STREET IMPROVEMENTS
SHEET TITLE:	CURB AND SIDEWALK PLANS COVER SHEET

PROJECT NO.	24004916
SHEET:	1 OF 6

STAGE 2.75



LEGEND	
EXISTING	PROPOSED
	(P) ROAD CENTERLINE
	(P) ASPHALT
	(P) 4" CONCRETE
	(P) 6" CONCRETE
	(P) 8" CONCRETE
	(P) TYPE 'L' CURB AND GUTTER (CATCH)
	(P) CURB LAYDOWN
	(P) TYPE 'L' CURB AND GUTTER (SPILL)
	(P) TRUNCATED DOMES
	(P) DRYWELL
	(P) CATCH BASIN
	(P) SIGN
	(P) MAILBOX
	(P) RECOMMENDED TREE LOCATION, PLANTING TO OCCUR IN 20XX AS A SEPARATE PROJECT

KEYNOTES - DEMOLITION WORK	
1	REMOVE EXISTING CURB
2	REMOVE EXISTING CONCRETE
3	REMOVE EXISTING ASPHALT
4	REMOVE EXISTING SIGN
5	REMOVE EXISTING TREE BY ISA CERTIFIED ARBORIST W/ FULL STUMP REMOVAL
6	TRIM EXISTING TREE OR BUSH BY ISA CERTIFIED ARBORIST. NO OVERHANG OF BRANCHES WITHIN 8' OF TOP SIDEWALK
7	REMOVE MISCELLANEOUS ITEM WITHIN THE R.O.W
8	PROTECT EXISTING UTILITY
9	RELOCATE EXISTING MAILBOX PER STD-760
10	RELOCATE EXISTING UTILITY POLE (BY OTHERS)
11	REMOVE EXISTING DRY WELL, BACKFILL HOLE IN 2' LIFTS COMPACTED TO 95% DENSITY
12	REMOVE EXISTING FENCE AS SHOWN ON PLANS, IF OWNER HAS NOT REMOVED PRIOR TO SIDEWALK PREP.

KEYNOTES - INSTALLATION WORK	
1	INSTALL TYPE 'L' CURB PER STD - 740
2	INSTALL 4" THICK SIDEWALK STD - 752, WIDTH PER PLANS
3	INSTALL ROAD SECTION PER STD-701 AND C D4
4	INSTALL STANDARD DRIVEWAY OPENING FOR CURBSIDE SIDEWALK PER STD - 772 OR STD - 771 FOR BOULEVARD SIDEWALK.
5	INSTALL 6" CONCRETE TO MATCH (OR 8" PER PLANS). MAX SLOPE OF DRIVEWAY IS 10% (2% @ SIDEWALK)
6	INSTALL 3" ASPHALT TO MATCH. MAX SLOPE OF DRIVEWAY IS 10%
7	INSTALL 8" DRY WELL PER STD 616 W/ 24" GRATE
8	INSTALL CATCH BASIN PER STD 614 W/ 24" GRATE
9	INSTALL CURB RAMP W/ TRUNCATED DOMES PER STD - 750 & 751.

## SYMBOLS

	KEYED NOTE CALLOUT
	SPOT ELEVATION CALLOUT
	SLOPE GRADE
	FLOW DIRECTION

## GENERAL CONDITIONS OF CONSTRUCTION:

- The Standard General Conditions of the Contract prepared by the Engineers Joint Contract Documents Committee (Copyright 2018), as included in Montana Public Works Standard Specifications, are herein referred to as the General Conditions within these Drawings. Copies of the General Conditions will be provided to Contractor upon written request to Engineer.
- Wherever used in these Drawings, the terms, whether printed with initial capital letters or not, as listed in the Standard General Conditions of the Construction Contract (General Conditions), Article 1 - Definitions and Terminology, prepared by the Engineers Joint Contract Documents Committee (Copyright 2018) will have the meanings indicated, which are applicable to both the singular and plural thereof, except as follows:
  - The Contract Documents shall mean the Drawings as shown in these plans and any applicable referenced standards, specifications, or laws.
  - The Contract Price shall mean the moneys payable by Owner to Contractor for completion of the Work in accordance with the Agreement.
  - The Contract Times shall mean the number of days or the dates stated in the Agreement to complete the Work so that it is ready for final payment. If no such dates are established, the Contract Time shall be 120 days to complete the Work.
  - Effective Date of the Agreement shall have the meaning as listed in the General Conditions, Article 1. If no such Agreement exists, the Effective Date of the Agreement shall be the day the Contractor proceeds with the Work.
- By proceeding with the Work as shown on these Drawings, the Contractor makes the following representations:
  - Contractor has examined and carefully studied the Drawings and other related data.
  - Contractor is familiar with and is satisfied as to all federal, state and local laws and Regulations that may affect cost, progress, performance and furnishing of the Work.
  - Contractor has visited the site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, performance or furnishing of the Work.
  - Contractor acknowledges that Owner and Engineer do not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Drawings with respect to Underground Facilities at or contiguous to the site.
  - Contractor has obtained and carefully studied (or assumes responsibility for having done so) all such additional supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the site or otherwise, which may affect cost, progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor including applying the specific means, methods, techniques, sequences and procedures of construction, if any, expressly required by the Drawings to be employed by the Contractor, and safety precautions and programs incident thereto.
  - Contractor is aware of the general nature of work to be performed by Owner and others at the site that relates to the Work.
  - Contractor has given Engineer written notice of all conflicts, errors, ambiguities or discrepancies that Contractor has discovered in the Drawings and the written resolution thereof by Engineer is acceptable to Contractor.
  - The Drawings are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
- In resolving disputes resulting from conflicts, errors or discrepancies, the order of precedence shall be as follows, as applicable to this project. Written agreement between owner and contractor, specifications, Drawings. Within the Specifications, the order of precedence is as follows, as applicable to this project: Addenda/Change Orders, Contractor's Bid, Special Provisions, Instructions to Bidders, Supplemental General Conditions, Notice Inviting Bids, General Conditions, Technical Specifications, Referenced Standard Specifications. With reference to the Drawings, the order of precedence is as follows, as applicable to this project: Figures govern over scaled dimensions, Detail drawings govern over general drawings, Addenda/Change Order drawings govern over contract drawings, contract drawings govern over standard drawings, contract drawings govern over shop drawings.
- If Contractor believes that any subsurface or physical condition at or contiguous to the Site that:
  - is uncovered or revealed either is of such a nature as to require a change in the Drawings; or
  - differs materially from that shown or indicated in the Drawings; or
  - is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided in the drawings;then Contractor shall promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.
- Section 2.06 of the General Conditions is hereby incorporated into these Drawings.
- Section 3.03.A.2 of the General Conditions is hereby incorporated into these Drawings.
- Section 3.05 of the General Conditions is hereby incorporated into these Drawings.
- Section 3.06 of the General Conditions is hereby incorporated into these Drawings.
- Section 4.05 of the General Conditions is hereby incorporated into these Drawings.
- Section 6.01, 6.02.A, and 6.03 of the General Conditions are hereby incorporated into these Drawings.
- Substitutes and "Or-Equals" items are subject to the provisions of the General Conditions, Section 6.05.
- Section 6.13 of the General Conditions is hereby incorporated into these Drawings, except that Section 6.13.D shall be replaced with the following sentence:

Contractor's duties and responsibility for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer and Owner, as applicable to the Work, have accepted that the work is complete.
- Section 6.11, 6.14, 6.15, 6.16, 6.18, 6.19, 6.20, and 6.21 of the General Conditions are hereby incorporated into these Drawings.
- Article 9 - Engineer's Status During Construction of the General Conditions is hereby incorporated into these Drawings, except as follows:
  - Delete the last sentence of Section 9.05.A.
  - Delete Section 9.06, 9.07, 9.08.B, 9.08.C, and 9.09.D.
- Section 10.02 of the General Conditions is hereby incorporated into these Drawings.
- Article 13 - Tests and Inspections, Correction, Removal or Acceptance of Defective Work of the General Conditions is hereby incorporated into these Drawings.

## STANDARD SPECIAL PROVISIONS:

- The Contractor shall be responsible for all permits, licenses and fees required for completion of this project unless specifically noted otherwise.
  - The Contractor shall provide the Owner with a 24 hour phone number of a party responsible and capable of immediate local response to emergency maintenance for the duration of the Work. Contractor shall provide the name of the responsible party and phone number in writing prior to proceeding with the Work.
  - Unless noted otherwise, the contractor shall be responsible for any necessary traffic control on and off-site including obtaining any applicable permits.
  - Material stockpiled along the project route shall be done so in a manner that does not affect public safety and is in a neat and orderly fashion.
  - The Contractor shall be responsible for disposing of all waste and excess materials such as, but not limited to: vegetation, trees, brush, asphalt, concrete, sub-grade soils, etc., offsite in accordance with local, city, state, and federal laws. The Owner reserves the right to approve certain waste materials to be stockpiled at a location on-site.
  - The contractor will be responsible to adhere to the MDEQ or EPA approved Storm Water Pollution Prevention Plan (SWPPP), if applicable to the project. The contractor is responsible for repairing any damage made to BMPs identified in the SWPPP. The approved Storm Water Pollution Prevention Plan will be provided by Owner to Contractor upon written request. If a SWPPP has not been prepared for the project, but is required by regulation, the Contractor is responsible for preparing and submitting a Notice of Intent and SWPPP.
  - The Contractor will be required to make every effort to immediately restore the construction area once the construction task is completed. All seeding shall be completed in accordance with MPWSS 02910. This includes such required activities as finish grading, spreading of topsoil, restoring irrigation, replacing traffic and street signs, etc. The contractor will have 48 hours to begin restoration once the construction task in the immediate area is complete. Once restoration is begun, it must be completed without interruption to the extent possible.
  - After all work on this project is completed and before final acceptance of the project, the entire project shall be neatly finished to the lines, grades, and cross sections shown on the plans and as hereinafter specified.
    - Drainage facilities, such as inlets, catch basins, storm pipe, culverts, and curb and gutter shall be cleaned of all debris, gravel, silts or other foreign material.
    - The Contractor shall remove and dispose of all construction stakes.
    - All areas disturbed by the construction shall be shaped to present a uniform appearance blending into the contour of adjacent properties. All surface replacement and landscaping shall be completed.
    - Except as otherwise permitted, all excess excavated materials shall be disposed of away from the site of the work.
    - Broken concrete and other debris resulting from pavement or sidewalk removal, excavated rock in excess of the amount permitted, and other waste and debris encountered in excavated work, and other similar waste materials shall be disposed of away from the site.
- There will be no separate measurement or payment for cleanup, and all costs for such work shall be included in the Contract Price.
- No on-site burning of waste materials will be allowed.
  - If a street has not been surfaced and cleaned, the Contractor shall be responsible for dust control and maintenance of the site. Also, if detours are made on a gravel road, the Contractor is responsible for dust control and maintenance on the detours. See "Air Quality" below also.
  - Daily street sweeping shall be completed on both ends of each street during construction. Unpaved detours or any other fugitive dust emission sources from construction and demolition should be watered and/or chemically stabilized so emissions are less than 20% opacity.

## UTILITY NOTES:

- The Contractor shall notify appropriate personnel for utility locations and notice of construction commencement at least two business days prior to proceeding with the Work. Before Contractor proceeds with the Work, a common locate service (One Call) is available at 1-800-424-5555. All Underground Facilities may not be located by the One Call service including but not limited to such Underground Facilities as irrigation systems, public and private water and sewer systems, etc.
- The Contractor shall support and protect all exposed utilities in conformance with the utility owner's standards.
- The information and data shown or indicated in the Drawings with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise noted:
  - Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and
  - The cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:
    - Reviewing and checking all such information and data,
    - Locating all Underground Facilities shown or indicated in the Drawings,
    - Coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and
    - The safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.
- At least 2 business days before beginning any excavation, the Contractor shall, according to MCA 69-4-501, notify all owners of underground facilities and coordinate the Work with the owners of such underground facilities. The information shown or indicated in the Drawings with respect to existing underground facilities is based on information and data obtained from the owners of the facilities without field exploration, and as such, Owner and Engineer are not responsible for the accuracy or completeness of such information or data.

## CONSTRUCTION NOTES:

- All Work shall be in accordance with the Montana Public Works Standard Specifications (MPWSS), 7th Edition, dated April 2021, and City of Missoula Standards, Special Provisions, and Contract Documents.
- Contractor shall comply with Construction and Temporary Facilities, Section 01500, MPWSS, and City of Missoula Standards.
- Contractor shall comply with Construction Traffic Control, Section 01570, MPWSS, and City of Missoula Standards.
- Elevations shown on the Drawings are to finished surface grade unless otherwise indicated.
- Elevations for curb and gutter are for top back of curb, unless otherwise indicated. Elevations provided at curb lay downs are for the "projected" top back of curb, as though the specified curb was being installed through the lay down. This allows the contractor to set his curb string line or forms based on the elevations shown on the plans, and then cut out the extra concrete for the lay down.
- Sidewalk maximum cross slope shall be 2% (1/4" per 1'). Contractor is advised to set forms at 1% rather than 2%. All sidewalk exceeding 2% cross slope shall be replaced at contractors expense.

## CONSTRUCTION STAKING:

- The owner will provide construction staking one time. Additional staking will be the responsibility of the contractor for scheduling and payment.
- Contractor is responsible to coordinate and request staking at least two days in advance, unless otherwise agreed upon in writing by Engineer.
- Staking will be provided as indicated in the Contract Documents.
- Cut sheets will be provided to the contractor with elevation from hub to finished grade, unless noted otherwise. Cut sheets for pipe installation provide the elevation from the hub to the invert of the pipe, unless noted otherwise.
- Engineer does not consider staking to be complete and ready for use until cut sheets have been delivered to Contractor. Contractor's uses of construction staking prior to receipt of cut sheets is at contractor's risk. Any work incorrectly installed due to contractor's use of preliminary construction staking will be removed and replaced at contractor's expense.

## CONSTRUCTION QUANTITIES (SURFACE INFRASTRUCTURE):

XX LINEAR FEET OF CURB AND GUTTER (STANDARD 6" THICK PAN)  
XX SQUARE FEET OF CONCRETE SIDEWALK  
XX SQUARE FEET OF CONCRETE SIDEWALK AND DRIVEWAY  
XX SQUARE FEET OF CONCRETE SIDEWALK AND DRIVEWAY  
XX SQUARE FEET OF 3" ASPHALT PAVEMENT  
XX EACH OF DRYWELL  
XX EACH CATCH BASIN

## DEMOLITION QUANTITIES:

XX SQUARE YARDS OF CONCRETE SIDEWALK/ DRIVEWAY  
XX SQUARE YARDS OF ASPHALT  
XX LINEAR FEET OF CONCRETE CURB  
XX EACH OF SUMPS  
XX EACH OF TREES

## ABBREVIATIONS

BC	BACK OF CURB
BSW	BACK OF SIDEWALK
CBU	CLUSTER BOX UNIT
CMP	CORRUGATED METAL PIPE
ELEV	ELEVATION
(E)	EXISTING
EX	EXISTING
FG	FINISHED GRADE
FL	FLOWLINE
HP	HIGH POINT
INV	INVERT
LF	LINEAR FOOT
MAX	MAXIMUM
MIN	MINIMUM
MPOC	MID POINT OF CURVE
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NWE	NORTHWESTERN ENERGY
(P)	PROPOSED
PC	POINT OF CURVATURE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENT
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
ROW	RIGHT OF WAY
SIM	SIMILAR
STA	STATION
STD	CITY OF MISSOULA STANDARD DRAWING
SW	SIDEWALK
TBC	TOP BACK OF CURB
TOA	TOP OF ASPHALT
TOC	TOP OF CONCRETE
TYP.	TYPICAL
URD	URBAN RENEWAL DISTRICT

1817 SOUTH AVE. W. STE. A  
MISSOULA, MT 59801  
PH: 406.721.0142  
FAX: 406.721.5224  
www.imegcorp.com

DATE: 12/19/2024

REVISIONS: CITY STAGE 2.5

DESIGNED: CD  
DRAFTED: JW  
CHECKED: CD  
DATE: FEB, 2025

LOCATION: MAPLE/BIRCH/SHERWOOD ST  
SECTION 17, T13N, R19W, P.M.M.  
CITY OF MISSOULA, MISSOULA CO., MT

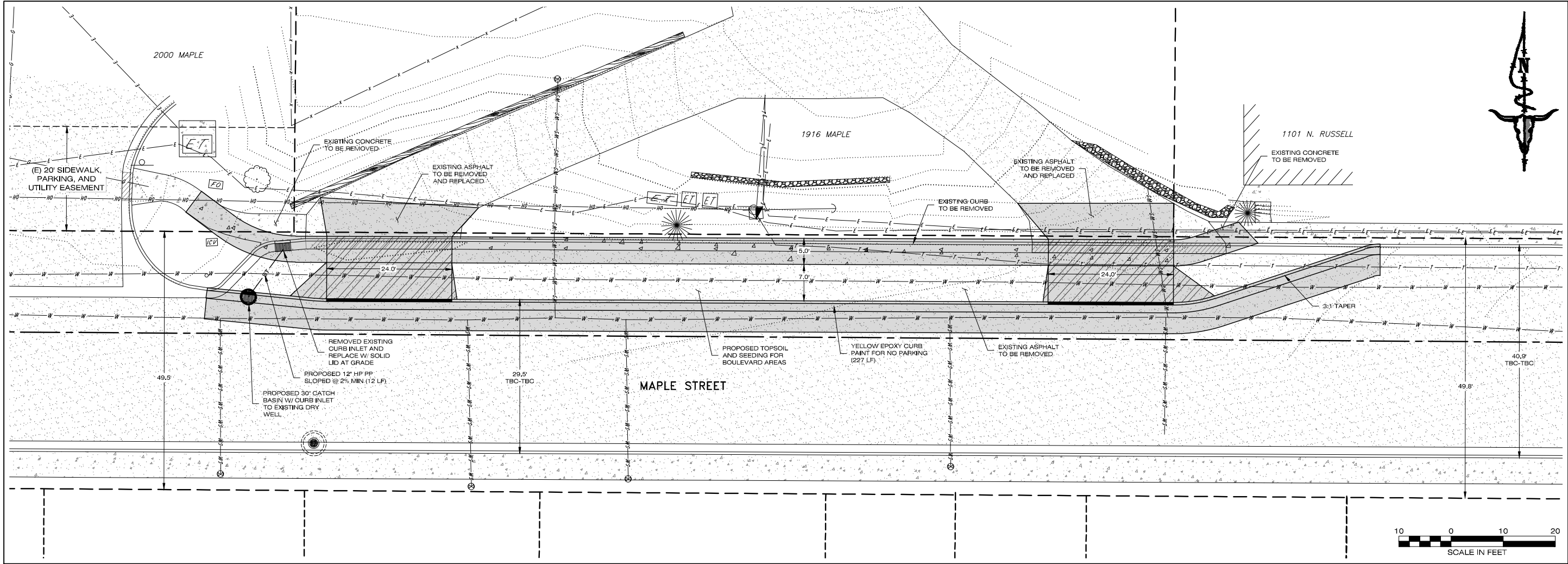
PREPARED FOR: MISSOULA REDEVELOPMENT AGENCY

PROJECT NAME: MRA URD II  
MAPLE & BIRCH STREET IMPROVEMENTS

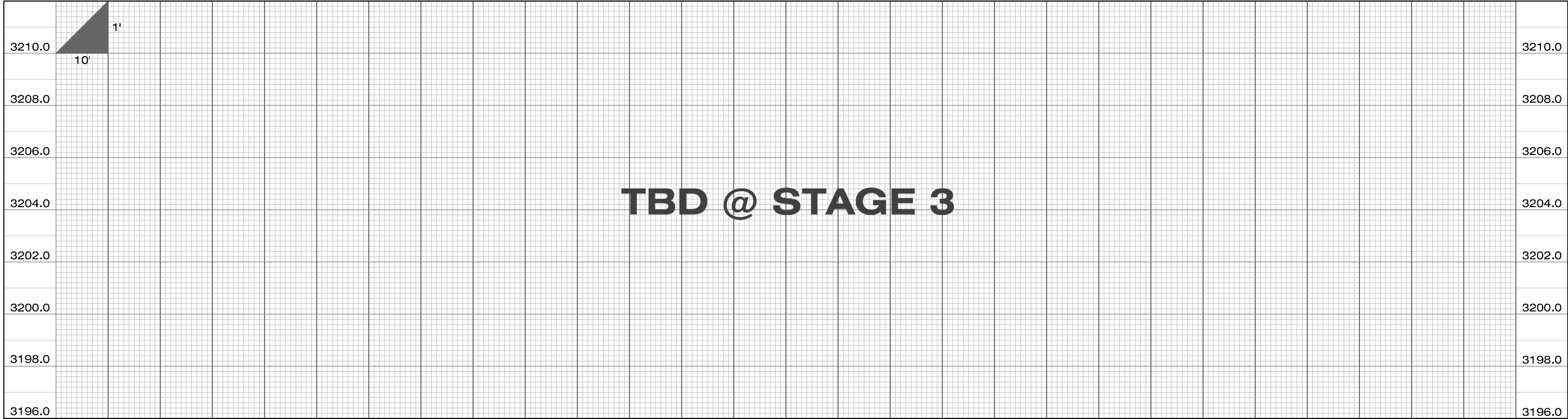
SHEET TITLE: CURB AND SIDEWALK PLANS  
LEGEND AND NOTES SHEET

PROJECT NO: 24004916  
SHEET: 2 OF 6

STAGE 2.75



PLAN VIEW (MAPLE)



PROFILE VIEW - TOP BACK OF CURB (MAPLE)

1917 SOUTH AVE. W. STE. A  
MISSOULA, MT 59801  
PH: 406.721.0142  
FAX: 406.721.5224  
www.imegcorp.com

DATE: 12/19/2024

REVISIONS: CITY STAGE 2.5

DESIGNED: CD  
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DATE: FEB, 2025

LOCATION: MAPLE/BIRCH/SHERWOOD ST  
SECTION 17, T13N, R19W, P.M.M.  
CITY OF MISSOULA, MISSOULA CO., MT

PREPARED FOR: MISSOULA REDEVELOPMENT AGENCY

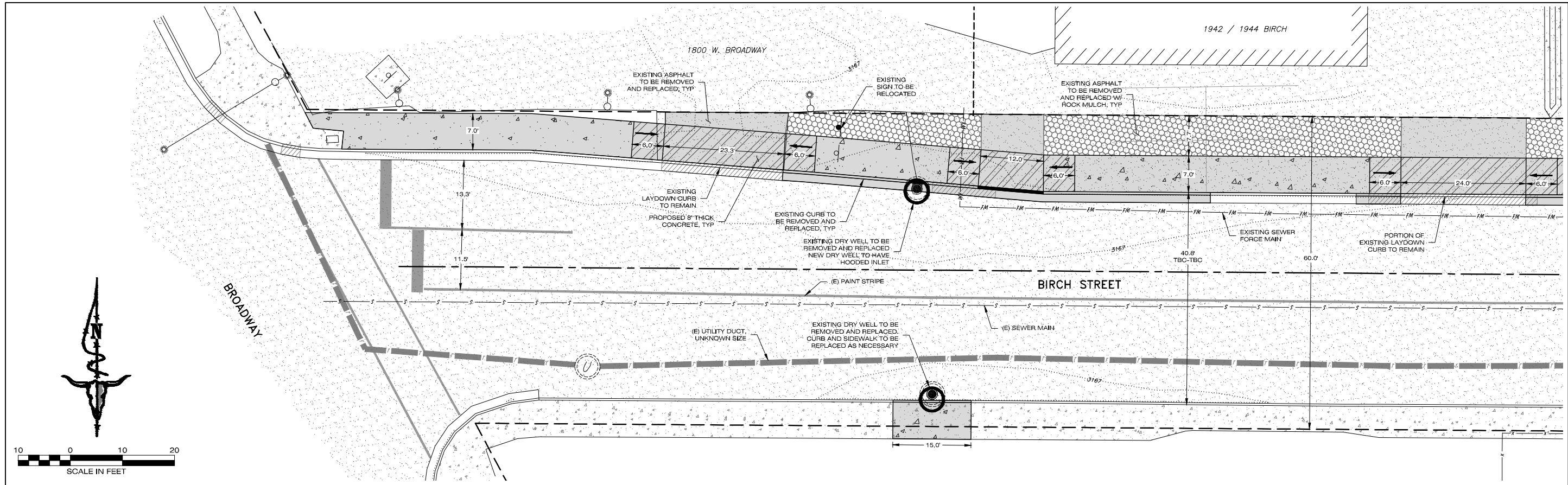
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MAPLE & BIRCH STREET IMPROVEMENTS

SHEET TITLE: CURB AND SIDEWALK PLANS  
PLAN AND PROFILE SHEET

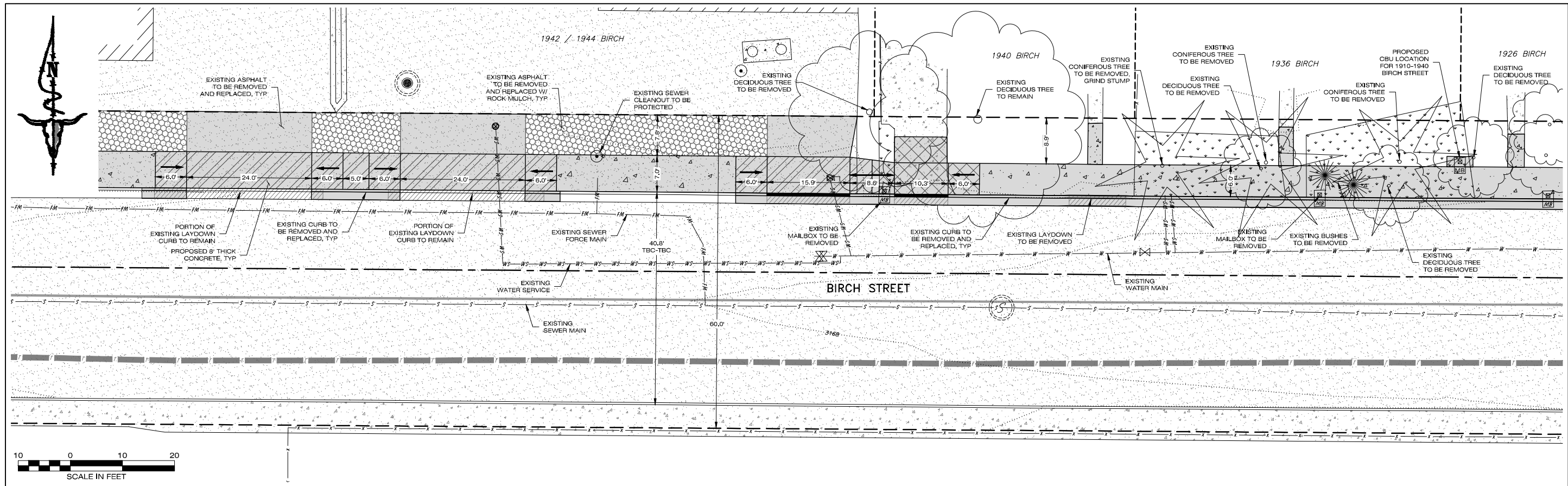
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SHEET: 3 OF 6

STAGE 2.75

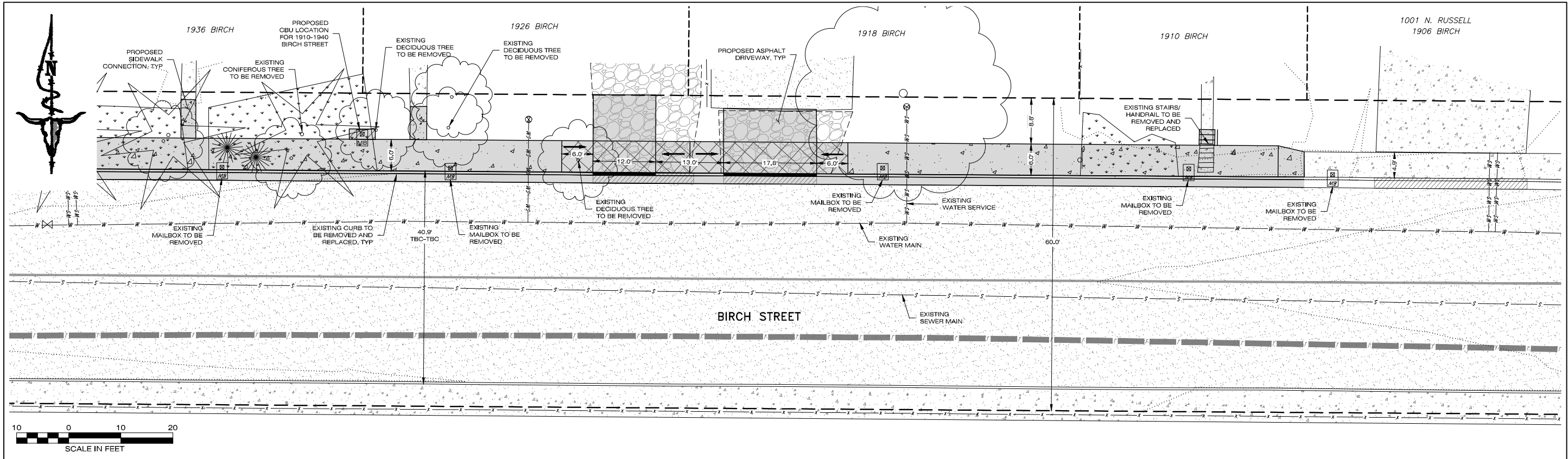




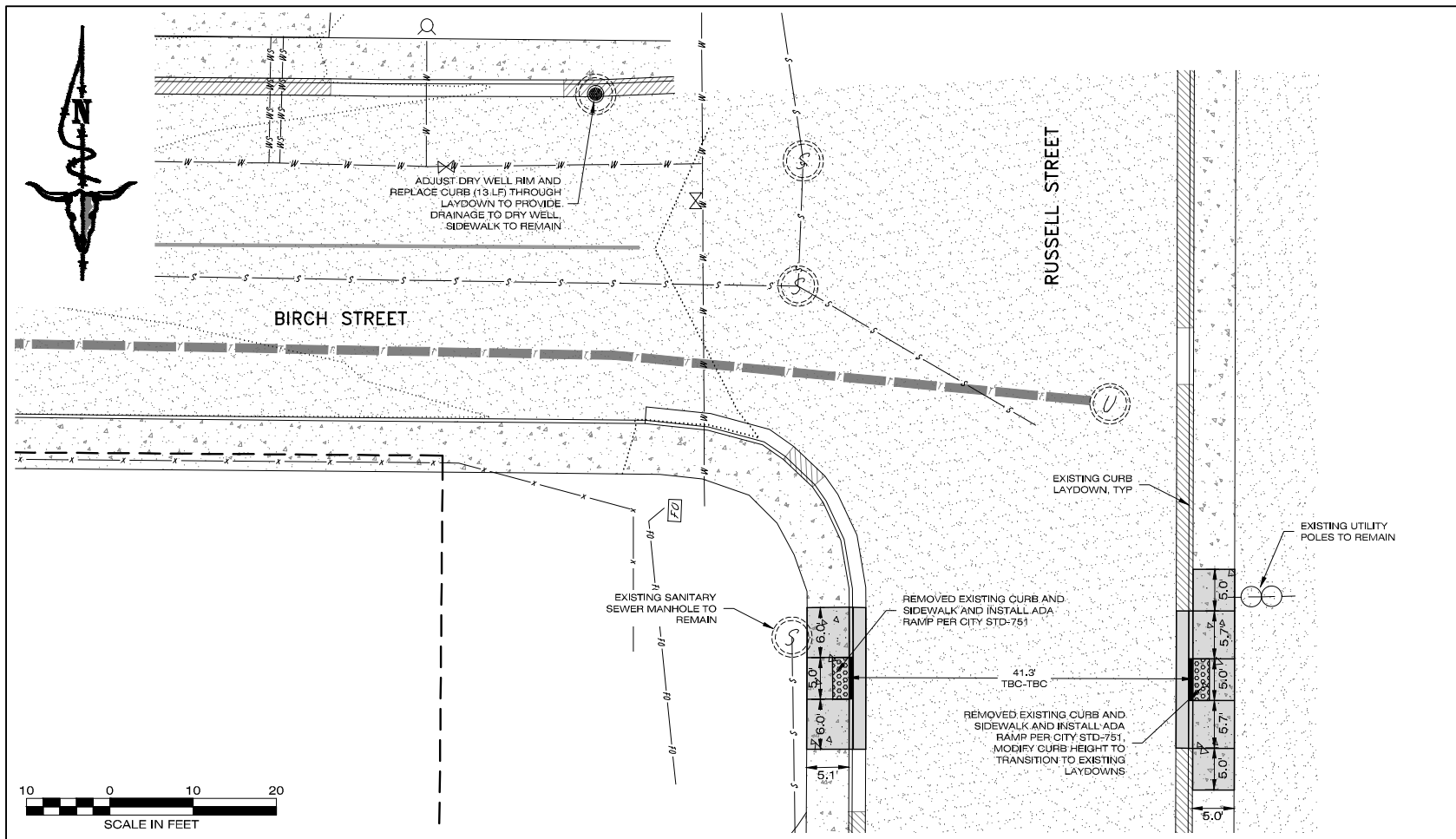
PLAN VIEW (BIRCH)



PLAN VIEW (BIRCH)



PLAN VIEW (BIRCH)



PLAN VIEW (BIRCH & RUSSELL)

FUTURE  
CROSS  
SECTIONS

STAGE 2.75

PROJECT NO.  
24004916

PROJECT NAME  
MRA URD II  
MAPLE & BIRCH STREET IMPROVEMENTS

SHEET:  
6 OF 6

SHEET TITLE:  
CURB AND SIDEWALK PLANS  
ROAD CROSS SECTION SHEET

LOCATION:  
MAPLE/BIRCH/SHERWOOD ST  
SECTION 17, T13N, R19W, P.M.M.  
CITY OF MISSOULA, MISSOULA CO., MT

PREPARED FOR:  
MISSOULA  
REDEVELOPMENT AGENCY

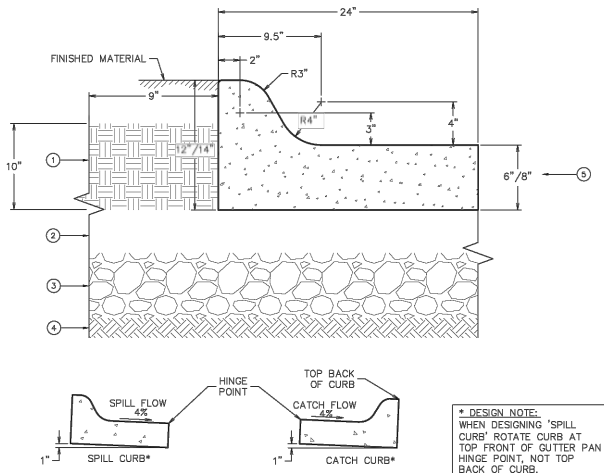
DESIGNED: CD  
DRAFTED: JW  
CHECKED: CD  
DATE: FEB, 2025

REVISIONS  
CITY STAGE 2.5  
  
  
  
  
  
  
  
  
  
DATE  
12/19/2024



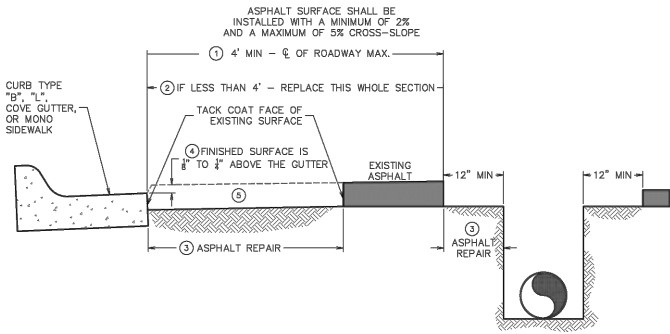






#### KEYED NOTES:

- IMPERVIOUS FILL MATERIAL (FOR CURB WITH BOULEVARD): SEE CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02528
- BASE COURSE: SEE TABLE 7-3 IN MCPWSS AND CITY OF MISSOULA MODIFICATION TO MPWSS SECTIONS 02235 & 02528
- SUBBASE COURSE: SEE TABLE 7-4 IN MCPWSS AND CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02234
- SUBGRADE: SEE CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02230 & 02528
- GUTTER PANS SHALL BE 8 INCHES MINIMUM THICKNESS FROM PC TO PT AT COLLECTOR AND ARTERIAL INTERSECTIONS, ROUNDABOUTS AND SPLITTER ISLANDS, THROUGH COMMERCIAL AND INDUSTRIAL APPROACHES, OR WHERE TRUCK TRAFFIC IS ASSUMED

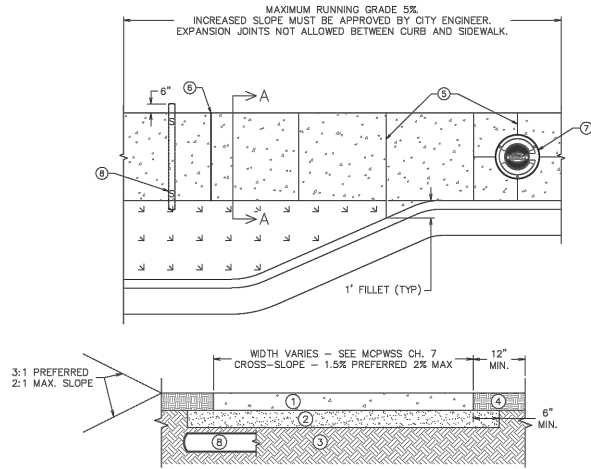


#### KEYED NOTES:

- ASPHALT SHALL BE CUT & REMOVED TO AN EXTENT WHERE THE ASPHALT PATCH IS A MINIMUM OF FOUR (4') FEET FROM THE FACE OF THE GUTTER PAN AND MAY REQUIRE ADDITIONAL WIDTH (UP TO CENTERLINE), AS REQUIRED BY THE CITY ENGINEER. THE 4' MINIMUM ASPHALT REPLACEMENT IS REQUIRED TO ENSURE ADEQUATE COMPACTION IS ACHIEVED.
- IF THE ASPHALT CUT LINE FOR A TRENCH PATCH IS LESS THAN FOUR (4') FEET FROM THE FACE OF EXISTING GUTTER PAN, EDGE OF EXISTING ASPHALT, OR A SEAM, REMOVE AND REPLACE THE ENTIRE ASPHALT SECTION BETWEEN THE TRENCH CUT LINE AND EDGE OF THE FACE OF THE GUTTER PAN, ASPHALT, OR SEAM.
- FOR ASPHALT REPAIR SECTION SEE CITY OF MISSOULA MODIFICATIONS TO MPWSS SECTION 02230
- FINISHED ASPHALT SURFACE SHALL BE  $\frac{1}{8}$ " TO  $\frac{1}{4}$ " ABOVE GUTTER LIP
- ASPHALT SURFACE: FOR THICKNESS SEE TABLE 7-2 IN MCPWSS

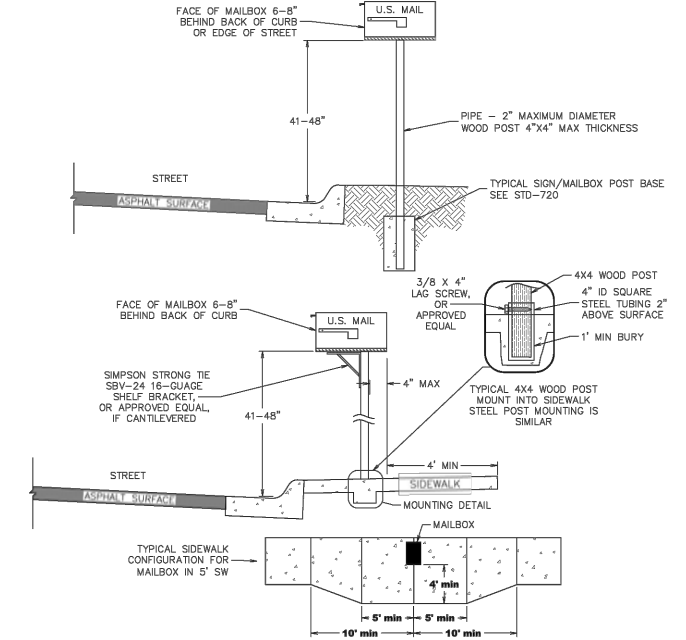
#### GENERAL NOTES:

- ASPHALT SURFACE SHALL BE SQUARE CUT (PARALLEL AND/OR PERPENDICULAR TO CURB OR EDGE OF ASPHALT)
- ALL ASPHALT PATCH JOINTS SHALL BE SEALED IN ACCORDANCE WITH CITY OF MISSOULA STANDARD MODIFICATIONS TO MPWSS SECTION 02510.
- FOR SHORT SPANS OF CURB REPLACEMENT, EXISTING ASPHALT EDGE MAY BE USED AS A FRONT FORM IF EXISTING ASPHALT IS SOUND AND SQUARE FACED, AND ONLY UPON PRIOR APPROVAL OF THE CITY ENGINEER.



#### KEYED NOTES:

- SEE MCPWSS CH. 7 FOR SIDEWALK WIDTH & THICKNESS REQUIREMENTS
- BASE COURSE: SEE CITY OF MISSOULA MODIFICATIONS TO MPWSS SECTIONS 02235 AND 02529
- SUBGRADE: SEE CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02230
- SHOULDER: SEE CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02529
- CONTRACTION JOINTS: SEE CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02529
- EXPANSION JOINTS: SEE CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02529
- ISOLATION JOINTS: FOR USE AROUND OBJECTS WITHIN OR PROTRUDING FROM SIDEWALK (E.G. AROUND MANHOLES LIDS, VALVE BOXES, UTILITY POLES, HYDRANTS, POLE BASES, ETC.)
- SLEEVE: TYP 4" SCH 40 PVC. MUST BE BELOW BASE AND IN SUBGRADE. EXTEND 6" BEYOND EDGE OF SIDEWALK. STAMP "S" IN THE FINISH SURFACE DIRECTLY ABOVE THE SLEEVE AT BOTH EDGES OF SIDEWALK.



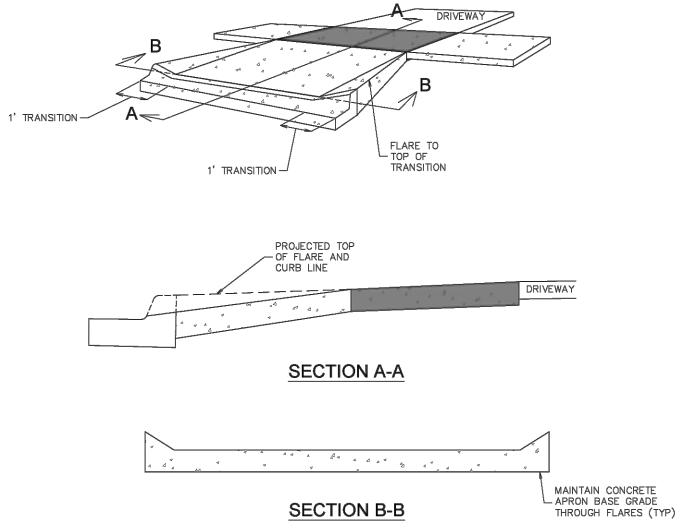
- MOUNTING POST REQUIREMENTS FOR MAILBOXES LOCATED UPON / WITHIN THE PUBLIC RIGHT-OF-WAY:
- MAILBOX POSTS SHALL NOT EXCEED:
    - TWO (2") INCHES OUTSIDE DIAMETER METAL (PIPE) POSTS
    - ONE (1") INCHES OUTSIDE DIAMETER METAL (PIPE) POSTS SHALL NOT BE PERMITTED
  - NO MAILBOXES OR MOUNTINGS SHALL BE CONSTRUCTED OF BRICK, STONE OR MASONRY WITHIN THE PUBLIC RIGHT-OF-WAY
  - MAILBOXES SHALL NOT BE LOCATED SO AS TO OBSTRUCT THE PUBLIC SIDEWALK, MINIMUM OF FOUR (4') FEET SHALL BE MAINTAINED CLEAR OF ANY OBSTRUCTIONS TO PEDESTRIANS.
  - MAXIMUM FOUR (4") INCHES MAILBOX OVERHANG INTO CLEAR SPACE. OVERHANGING MAILBOXES GREATER THAN FOUR (4") INCHES INTO THE CLEAR SPACE WILL BE REQUIRED TO PROVIDE A BASE EXTENSION, MINIMUM FOUR (4") INCHES IN HEIGHT TO WITHIN FOUR (4") INCHES OF OVERHANG EXTENT.

Engineering Division

Approved By  
City Engineer  
Kevin J. Slovarp

Adopted: 01/30/1980  
Revised: 01/01/2023

STD - 740



#### GENERAL NOTES:

- FOR REQUIREMENTS RELATED TO APPROACH WIDTH, THICKNESS, AND JOINTING, SEE MCPWSS CH. 7
- FOR BASE, SUBBASE, AND SUBGRADE COURSE REQUIREMENTS SEE MCPWSS CH. 7 AND CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02529
- FOR CURB CUT REQUIREMENTS SEE CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02528
- APRON AND SIDEWALK MUST BE POURED SEPARATELY
- SEE STANDARD DRAWING STD-772 FOR ALTERNATIVE (CURBSIDE) SIDEWALK/DRIVEWAY ADA REQUIREMENTS THROUGH DRIVEWAY
- FOR EXISTING BOULEVARD RETROFIT, NEW SIDEWALK REPLACEMENT SECTION SHALL EXTEND TO NEAREST FULL SIDEWALK PANELS.

Engineering Division

Approved By  
City Engineer  
Kevin J. Slovarp

Adopted: 04/09/1973  
Revised: 01/01/2023

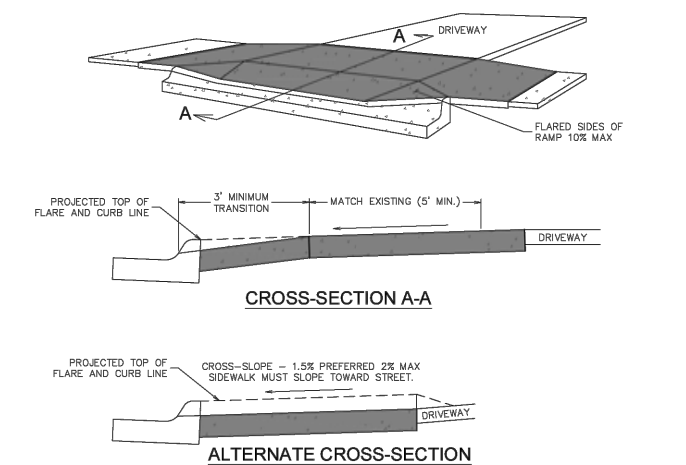
STD - 771

Engineering Division

Approved By  
City Engineer  
Kevin J. Slovarp

Adopted: 02/06/1986  
Revised: 01/01/2024

STD - 744



#### GENERAL NOTES:

- FOR REQUIREMENTS RELATED TO APPROACH WIDTH, THICKNESS, AND JOINTING, SEE MCPWSS CH. 7
- FOR BASE, SUBBASE, AND SUBGRADE COURSE REQUIREMENTS SEE MCPWSS CH. 7 AND CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02529
- FOR CURB CUT REQUIREMENTS SEE CITY OF MISSOULA MODIFICATION TO MPWSS SECTION 02528
- APPROACH AND ADJACENT SIDEWALK MUST BE POURED SEPARATELY
- SEE STANDARD DRAWING STD-771 FOR ALTERNATIVE (BOULEVARD) SIDEWALK/DRIVEWAY ADA REQUIREMENTS THROUGH DRIVEWAY
- FOR EXISTING SIDEWALK RETROFIT, NEW SIDEWALK REPLACEMENT SECTION SHALL EXTEND TO NEAREST FULL SIDEWALK PANEL AND MUST BE MINIMUM 5 FEET IN LENGTH

#### ALTERNATE CROSS-SECTION NOTES:

- USE MUST BE APPROVED BY CITY ENGINEER PRIOR TO CONSTRUCTION.

Engineering Division

Approved By  
City Engineer  
Kevin J. Slovarp

Adopted: 04/09/1973  
Revised: 01/01/2023

STD - 772

Engineering Division

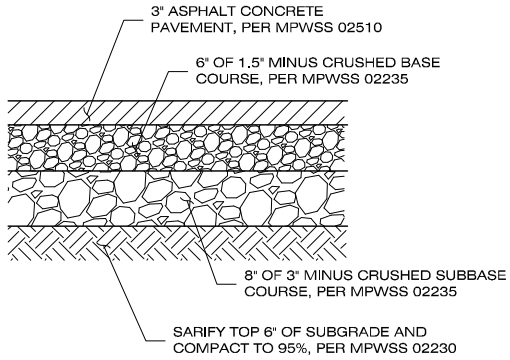
Approved By  
City Engineer  
Kevin J. Slovarp

Adopted: 02/29/1996  
Revised: 01/01/2023

STD - 752



**ASPHALT SECTION (MEDIUM SUBGRADE)**  
PER MISSOULA CITY PUBLIC WORKS  
STANDARDS AND SPECIFICATIONS



DATE	12/19/2024
REVISIONS	CITY STAGE 2.5
DESIGNED:	CD
DRAFTED:	JW
CHECKED:	CD
DATE:	FEB, 2025

LOCATION: MAPLE/BIRCH/SHERWOOD ST  
SECTION 17, T13N, R19W, P.M.M.  
CITY OF MISSOULA, MISSOULA CO., MT  
PREPARED FOR: MISSOULA REDEVELOPMENT AGENCY

PROJECT NAME: MRA URD II  
MAPLE & BIRCH STREET IMPROVEMENTS  
SHEET TITLE: CURB AND SIDEWALK PLANS  
DETAIL SHEET

PROJECT NO: 24004916  
SHEET: D2 OF D2

STAGE 2.75