

ADDENDUM No. 1

RFP No. 22-26

Street Resurfacing Project - 2022

Bids Due: March 31, 2022 at 2:00 P.M. (Local Time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum includes one hundred twenty one (121) pages.**

The Proposer is to acknowledge receipt of this Addendum No. 1, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgment of receipt of this addendum may be considered nonconforming.

The following forms provided within the RFP Document should be included in submitted proposal:

- Attachment D - Prevailing Wage Declaration of Compliance
- Attachment E - Living Wage Declaration of Compliance
- Attachment G - Vendor Conflict of Interest Disclosure Form
- Attachment H - Non-Discrimination Declaration of Compliance

Proposals that fail to provide these completed forms listed above upon proposal opening may be rejected as non-responsive and may not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the RFP document which are outlined below are referenced to a page or Section in which they appear conspicuously. Offerors are to take note in their review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Section/Page(s)

Pages 15-22
Section III.E

Change

Schedule of Pricing/Cost Base Bid Forms; replace with pages Addendum-1-4 to 12. Added pay items Tree, Rem, 19 inch to 36 inch; Tree, Rem, 6 inch to 18 inch; Stump, Rem, 19 inch to 36 inch; Stump, Rem, 6 inch to 18 inch; _Sewer, Abandon, Less than 24 inch; Embankment, CIP; _Sewer, Perforated CPE, 12 inch; _Infiltration Trench; _Sewer Bulkhead, 12 inch; _Dr Structure, 48 inch dia, Leaching Basin;_Dr Structure, Type Q, Special; _Cold Milling HMA Surface, Driveway Approach; Conc Pavt, Misc, Nonreinf, 8 inch; Bollard, Collapsible; Rem Spec Mrkg; _Pavt Mrkg, Thermopl, Speed Hump Chevron, White; Pavt Mrkg, Longit, 6 inch or Less Width, Rem; _Gate Box, Special; _Private Utility Box, Adj, Case 1; and _Private Utility Box, Adj, Case 2.

Replaced pay item _Dr Structure, Type M, Modified with pay item _Dr Structure, Type Q, Modified.

Removed pay items HMA, 4E1 and HMA, 5E1.

<p>Pages 15-22 Section III.E (continued)</p>	<p>Revised estimated quantities to pay items with new line item numbers 40, 45, 60, 75, 85, 90, 95, 100, 105, 120, 145, 175, 190, 195, 215, 265, 280, 305, 315, 335, 340, 345, 350, 355, 360, 375, 380, 385, 410, 415, 420, 430, 435, 440, 445, 450, 460, 465, 475, 480, 485, 490, 505, 510, 515, 525, 530, 550, 555, 560, 565, 575, 580, 590, 595, 600, 605, 625, 630, 635, 645, 650, 655, 660, 665, 685, 700, 740, and 755 due to scope of work revisions to various streets and shared use paths included within the project.</p>
<p>Pages 62-64 Detailed Specifications</p>	<p>Detailed Specification for Project Schedule; replace with pages Addendum-1-13 to 15. Revised limitations related to Contractor's work operations. Revised the completion date for the entire project.</p>
<p>Detailed Specifications</p>	<p>Insert "Schedule of Streets" pages Addendum-1-16 to 19.</p>
<p>Pages 66-67 Detailed Specifications</p>	<p>Replace Detailed Specification for Removing Concrete Items; pages Addendum-1-20 to 21. Noted reference to plan details and further described sawcutting requirements.</p>
<p>Pages 75-79 Detailed Specifications</p>	<p>Detailed Specification for Machine Grading; replace with pages Addendum-1-22 to 25. Revised requirements of this work to apply primarily to the existing subgrade and/or aggregate base.</p>
<p>Detailed Specifications</p>	<p>Insert Detailed Specification for Flexible Pipe Coupling; pages Addendum-1-26.</p>
<p>Detailed Specifications</p>	<p>Insert Detailed Specification for Storm Water Infiltration; pages Addendum-1-27 to 29.</p>
<p>Pages 89-91 Detailed Specifications</p>	<p>Replace Detailed Specification for Adjusting Structure Covers; pages Addendum-1-30 to 32. Noted coordination and other requirements for adjusting private utility structures. Revised material requirements to note use of only precast concrete adjusting rings or an approved equivalent. Updates pay items to reflect those applicable to contract.</p>
<p>Page 96 Detailed Specifications</p>	<p>Replace Detailed Specification for Drainage and Utility Structures; pages Addendum-1-33. Noted plan details for temporary lowering of drainage and utility structures.</p>
<p>Pages 97-102 Detailed Specifications</p>	<p>Replace Detailed Specification for Structure Covers; pages Addendum-1-34 to 39. Revised table to remove Cover B include Cover Q and update applicable EJ and Neenah model numbers. Also revised the "Measurement and Payment" section to show relevant pay items.</p>
<p>Pages 107-108 Detailed Specifications</p>	<p>Detailed Specification for Hot Mix Asphalt (HMA) Application Estimate; replace with pages Addendum-1-40 to 41. Revised HMA mix for shared use paths from LVSP to 5E1.</p>

Detailed Specifications	Insert Detailed Specification for Bollard pages Addendum-1-42 to 43.
Page 185 Detailed Specifications	Replace Detailed Specification for Temporary No Parking Signs; pages Addendum-1-44. Corrected grammatical and syntax errors.
Pages 66-67 Notice to Bidders/Proposers	Replace Notice to Bidders with Notice to Proposers/Utility Coordination; pages Addendum-1-45. Revised title.
Pages 66-67 Notice to Bidders/Proposers	Insert Notice to Proposers/Project Coordination; pages Addendum-1-46.
Pages ATTACHMENT E	Replace City of Ann Arbor Living Wage Ordinance Declaration of Compliance Form and Poster; pages Addendum-1-47 to 48. Reflects annual update of this ordinance.
Plans	
Sheet 1	Revised sheet index and location maps.
Sheet 2	Updated utility contact information.
Sheets 3-5	Reorganized details applicable to project. Revised structure adjustment details to reflect use of precast concrete adjusting rings.
Sheet 6	Revised notes and added street listing for those that will require a Grading Permit.
Sheets 15-16	Removed unused signs, relabeled various signs and added quantities to sign table.
Sheets 17, 23, 32, 41, 46, 52, 53, 54, 55, 56, 57 and 58	Revised notes to include that related to maintaining traffic and requirement to verify sign quantities and locations prior to ordering and placement. Also included note identifying the streets in each phase that will require an individual Grading Permit.
Sheets 18-22, 24-31, 33-40, 42-45 and 47-51	Updated Quantities Table and revised Construction Scope and Sequencing information.
Sheets 59, 59-1, 60, 60-1, 61 and 61-1	New sheets added to plan set.

II. QUESTIONS AND ANSWERS

No Questions were received by the City.

Offerors are responsible for any conclusions that they may draw from the information contained in the Addendum.

E. Schedule of Pricing/Cost – 20 Points

Company: _____

Unit Price Bid

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
5	1047051	_Certified Payroll Compliance and Reporting	LS	1.00	\$ _____	\$ _____
10	1047051	_General Conditions, Max \$300,000.00	LS	1.00	\$ _____	\$ _____
15	1047051	_Project Supervision, Max \$50,000.00	LS	1.00	\$ _____	\$ _____
20	2020002	Tree, Rem, 19 inch to 36 inch	Ea	1.00	\$ _____	\$ _____
25	2020004	Tree, Rem, 6 inch to 18 inch	Ea	2.00	\$ _____	\$ _____
30	2020006	Stump, Rem, 19 inch to 36 inch	Ea	1.00	\$ _____	\$ _____
35	2020008	Stump, Rem, 6 inch to 18 inch	Ea	2.00	\$ _____	\$ _____
40	2030011	Dr Structure, Rem	Ea	110.00	\$ _____	\$ _____
45	2030015	Sewer, Rem, Less than 24 inch	Ft	1,134.00	\$ _____	\$ _____
50	2037001	_Sewer, Abandon, Less than 24 inch	Ft	75.00	\$ _____	\$ _____
55	2040005	Pavt, Rem	Syd	200.00	\$ _____	\$ _____
60	2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	11,283.00	\$ _____	\$ _____
65	2047001	_HMA Curb, Rem	Ft	40.00	\$ _____	\$ _____
70	2047001	_Exploratory Excavation, Vertical	Ft	6.00	\$ _____	\$ _____
75	2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	2,664.00	\$ _____	\$ _____
75	2050010	Embankment, CIP	Cyd	433.00	\$ _____	\$ _____
80	2050023	Granular Material, CI II	Cyd	72.00	\$ _____	\$ _____
					TOTAL THIS PAGE	\$ _____

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
85	2057011	_Grading, Driveway Approach	Syd	1,257.00	\$ _____	\$ _____
90	2057011	_Grading, Sidewalk	Syd	1,825.00	\$ _____	\$ _____
95	2057011	_Grading, Sidewalk Ramp	Syd	690.00	\$ _____	\$ _____
100	2057011	_Machine Grading, Special	Syd	58,841.00	\$ _____	\$ _____
105	2057021	_Undercutting, Type IIA	Cyd	2,276.00	\$ _____	\$ _____
110	2057021	_Undercutting, Type IIB	Cyd	50.00	\$ _____	\$ _____
115	2057021	_Undercutting, Type IIC	Cyd	150.00	\$ _____	\$ _____
120	2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	280.00	\$ _____	\$ _____
125	2080036	Erosion Control, Silt Fence	Ft	235.00	\$ _____	\$ _____
130	2090001	Project Cleanup	LS	1.00	\$ _____	\$ _____
135	3010002	Subbase, CIP	Cyd	157.00	\$ _____	\$ _____
140	3027011	_Aggregate Base, 6 inch, Modified	Syd	250.00	\$ _____	\$ _____
145	3027011	_Aggregate Base, 8 inch, Modified	Syd	358.00	\$ _____	\$ _____
150	3027031	_Aggregate Base, Modified	Ton	250.00	\$ _____	\$ _____
155	3050010	Material, Surplus and Unsuitable, Rem, LM	Cyd	15.00	\$ _____	\$ _____
160	3050015	Salv Crushed Material, LM	Cyd	25.00	\$ _____	\$ _____
165	3057011	_Shared use Path, HMA Base Crushing and Shaping	Syd	1,457.00	\$ _____	\$ _____
170	3060020	Maintenance Gravel	Ton	150.00	\$ _____	\$ _____
175	3077021	_Trenching, Modified	Cyd	6.00	\$ _____	\$ _____
					TOTAL THIS PAGE	\$ _____

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
180	3080010	Geotextile, Stabilization	Syd	100.00	\$ _____	\$ _____
185	3087011	_Structural Geogrid (Base)	Syd	250.00	\$ _____	\$ _____
190	4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	1,155.00	\$ _____	\$ _____
195	4021260	Trench Undercut and Backfill	Cyd	315.00	\$ _____	\$ _____
200	4037001	_Sewer, Perforated CPE, 12 inch	Ft	530.00	\$ _____	\$ _____
205	4037021	_Infiltration Trench	Cyd	1,177.00	\$ _____	\$ _____
210	4037050	_Sewer Bulkhead, 12 inch	Ea	3.00	\$ _____	\$ _____
215	4030200	Dr Structure, 24 inch dia	Ea	110.00	\$ _____	\$ _____
220	4030210	Dr Structure, 48 inch dia	Ea	1.00	\$ _____	\$ _____
225	4030280	Dr Structure, Adj, Add Depth	Ft	5.00	\$ _____	\$ _____
230	4030306	Dr Structure, Tap, 6 inch	Ea	5.00	\$ _____	\$ _____
235	4030312	Dr Structure, Tap, 12 inch	Ea	2.00	\$ _____	\$ _____
240	4037050	_Dr Structure, 48 inch dia, Leaching Basin	Ea	6.00	\$ _____	\$ _____
245	4037050	_Dr Structure Cover, Special	Ea	2.00	\$ _____	\$ _____
250	4037050	_Dr Structure Cover, Type C, Modified	Ea	5.00	\$ _____	\$ _____
255	4037050	_Dr Structure Cover, Type D, Modified	Ea	8.00	\$ _____	\$ _____
260	4037050	_Dr Structure Cover, Type D, Modified (ADA Cover/Grate)	Ea	2.00	\$ _____	\$ _____
265	4037050	_Dr Structure Cover, Type K, Modified	Ea	109.00	\$ _____	\$ _____
270	4037050	_Dr Structure Cover, Type Q, Modified	Ea	122.00	\$ _____	\$ _____
TOTAL THIS PAGE						\$ _____

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
275	4037050	_Dr Structure Cover, Type Q, Special	Ea	10.00	\$ _____	\$ _____
280	4037050	_Dr Structure, Adj, Case 1, Modified	Ea	199.00	\$ _____	\$ _____
285	4037050	_Dr Structure, Adj, Case 2, Modified	Ea	1.00	\$ _____	\$ _____
290	4037050	_Dr Structure, Cleaning, Modified	Ea	26.00	\$ _____	\$ _____
295	4037050	_Dr Structure, Double Inlet	Ea	2.00	\$ _____	\$ _____
300	4037050	_Dr Structure, Point	Ea	45.00	\$ _____	\$ _____
305	4037050	_Dr Structure, Temp Lowering, Modified	Ea	202.00	\$ _____	\$ _____
310	4037050	_Structure, Reconstruct	Ea	2.00	\$ _____	\$ _____
315	4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	980.00	\$ _____	\$ _____
320	4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	7.00	\$ _____	\$ _____
325	4047050	_Yard Drain, Outlet Ending, Pop-up Apparatus	Ea	4.00	\$ _____	\$ _____
330	5010001	Pavt, Cleaning	LS	1.00	\$ _____	\$ _____
335	5010002	Cold Milling HMA Surface	Syd	93,414.00	\$ _____	\$ _____
340	5010005	HMA Surface, Rem	Syd	6,904.00	\$ _____	\$ _____
345	5010025	Hand Patching	Ton	264.00	\$ _____	\$ _____
350	5010061	HMA Approach	Ton	9.00	\$ _____	\$ _____
355	5010703	HMA, LVSP	Ton	16,670.00	\$ _____	\$ _____
360	5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	4,261.00	\$ _____	\$ _____
365	5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	888.00	\$ _____	\$ _____
TOTAL THIS PAGE						\$ _____

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
370	5017011	_Cold Milling HMA Surface, Modified	Syd	500.00	\$ _____	\$ _____
375	5017011	_Raised Crosswalk, HMA	Syd	177.00	\$ _____	\$ _____
380	5017011	_Raised Intersection, HMA	Syd	250.00	\$ _____	\$ _____
385	5017011	_Speed Hump, HMA	Syd	150.00	\$ _____	\$ _____
390	5017011	_Speed Table, HMA	Syd	35.00	\$ _____	\$ _____
395	5017031	_Hand Patching, Modified	Ton	100.00	\$ _____	\$ _____
400	5017031	_HMA, Wedging, 36A	Ton	102.00	\$ _____	\$ _____
405	6020054	Conc Pavt, Misc, Nonreinf, 8 inch	Syd	156.00	\$ _____	\$ _____
410	6027011	_Raised Crosswalk, Conc	Syd	177.00	\$ _____	\$ _____
415	6027011	_Raised Intersection, Conc	Syd	250.00	\$ _____	\$ _____
420	6027011	_Speed Hump, Conc	Syd	150.00	\$ _____	\$ _____
425	6027011	_Speed Table, Conc	Syd	35.00	\$ _____	\$ _____
430	6027021	_Flowable Fill	Cyd	121.00	\$ _____	\$ _____
435	6030005	Cement	Ton	77.00	\$ _____	\$ _____
440	8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	1,144.00	\$ _____	\$ _____
445	8017011	_Driveway, Nonreinf Conc, 8 inch, Modified	Syd	63.00	\$ _____	\$ _____
450	8027001	_Curb and Gutter, Conc, Barrier	Ft	6,438.00	\$ _____	\$ _____
455	8027001	_Curb and Gutter, Conc, Barrier or Mountable, Slip Form	Ft	750.00	\$ _____	\$ _____
460	8027001	_Curb and Gutter, Conc, Mountable	Ft	1,192.00	\$ _____	\$ _____
					TOTAL THIS PAGE	\$ _____

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
465	8027001	_Driveway Opening, Conc, Det M, Modified	Ft	2,532.00	\$ _____	\$ _____
470	8030030	Curb Ramp Opening, Conc	Ft	912.00	\$ _____	\$ _____
475	8037001	_Detectable Warning Surface, Modified	Ft	725.00	\$ _____	\$ _____
480	8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	6,017.00	\$ _____	\$ _____
485	8037010	_Sidewalk Ramp, Conc, 8 inch, Modified	Sft	246.00	\$ _____	\$ _____
490	8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	616.00	\$ _____	\$ _____
495	8037010	_Sidewalk Retaining Wall, Integral, 18 inch to 30 inch Height	Sft	150.00	\$ _____	\$ _____
500	8037010	_Sidewalk, Conc or Clay Brick Pavers, Rem and Reinstall	Sft	95.00	\$ _____	\$ _____
505	8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	14,561.00	\$ _____	\$ _____
510	8037010	_Sidewalk, Conc, 6 inch, Modified	Sft	607.00	\$ _____	\$ _____
515	8037010	_Sidewalk, Conc, 8 inch, Modified	Sft	1,238.00	\$ _____	\$ _____
520	8060010	Shared use Path, Aggregate	Ton	25.00	\$ _____	\$ _____
525	8060040	Shared use Path, HMA	Ton	420.00	\$ _____	\$ _____
530	8067011	_Shared use Path, Grading, Modified	Syd	1,233.00	\$ _____	\$ _____
535	8067031	_Shared use Path, HMA, Wedging	Ton	50.00	\$ _____	\$ _____
540	8087001	_Fence, Protective, Modified	Ft	1,500.00	\$ _____	\$ _____
545	8087050	_Bollard	Ea	4.00	\$ _____	\$ _____
550	8110197	Pavt Mrkg, Thermopl, 6 inch, Crosswalk	Ft	20.00	\$ _____	\$ _____
555	8110214	Pavt Mrkg, Thermopl, 12 inch, Crosswalk	Ft	1,414.00	\$ _____	\$ _____
					TOTAL THIS PAGE	\$ _____

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
560	8110218	Pavt Mrkg, Thermopl, 24 inch, Stop Bar	Ft	146.00	\$ _____	\$ _____
565	8110321	Rem Curing Compound, for Spec Mrkg	Sft	3,724.00	\$ _____	\$ _____
570	8110343	Rem Spec Mrkg	Sft	64.00	\$ _____	\$ _____
575	8117050	_Pavt Mrkg, Ovly Cold Plastic, Speed Hump Chevron, White	Ea	24.00	\$ _____	\$ _____
580	8117050	_Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	24.00	\$ _____	\$ _____
585	8117050	_Pavt Mrkg, Thermopl, Speed Hump Chevron, White	Ea	24.00	\$ _____	\$ _____
590	8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	104.00	\$ _____	\$ _____
595	8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	104.00	\$ _____	\$ _____
600	8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	270.00	\$ _____	\$ _____
605	8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	270.00	\$ _____	\$ _____
610	8120140	Lighted Arrow, Type C, Furn	Ea	2.00	\$ _____	\$ _____
615	8120141	Lighted Arrow, Type C, Oper	Ea	6.00	\$ _____	\$ _____
620	8120210	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	Ft	140.00	\$ _____	\$ _____
625	8120252	Plastic Drum, Fluorescent, Furn	Ea	1,094.00	\$ _____	\$ _____
630	8120253	Plastic Drum, Fluorescent, Oper	Ea	1,094.00	\$ _____	\$ _____
635	8120310	Sign Cover	Ea	20.00	\$ _____	\$ _____
640	8120330	Sign, Portable, Changeable Message, Furn	Ea	10.00	\$ _____	\$ _____
645	8120331	Sign, Portable, Changeable Message, Oper	Ea	12.00	\$ _____	\$ _____
650	8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	2,677.00	\$ _____	\$ _____
TOTAL THIS PAGE						\$ _____

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
655	8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	2,677.00	\$ _____	\$ _____
660	8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	416.00	\$ _____	\$ _____
665	8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	416.00	\$ _____	\$ _____
670	8120370	Traf Regulator Control	LS	1.00	\$ _____	\$ _____
675	8127050	_Pedestrian Type II Barricade, Temp	Ea	122.00	\$ _____	\$ _____
680	8127050	_Pedestrian Type II Channelizer, Temp	Ea	10.00	\$ _____	\$ _____
685	8127050	_Temporary No Parking Sign	Ea	720.00	\$ _____	\$ _____
690	8127051	_Minor Traffic Control, Max \$135,000.00	LS	1.00	\$ _____	\$ _____
695	8157060	_Irrigation System, Protection and Maintenance	Dir	2,500.00	\$ _____	\$ _____
700	8167011	_Slope Restoration	Syd	5,994.00	\$ _____	\$ _____
705	8190159	Conduit, Schedule 80 PVC, 3 inch	Ft	50.00	\$ _____	\$ _____
710	8190244	Hh, Adj	Ea	1.00	\$ _____	\$ _____
715	8197050	_Handhole Assembly, 12 Inch x 18 Inch	Ea	1.00	\$ _____	\$ _____
720	8197050	_Handhole Assembly, 17 Inch x 30 Inch	Ea	1.00	\$ _____	\$ _____
725	8197050	_Handhole Assembly, 24 inch x 36 inch	Ea	1.00	\$ _____	\$ _____
730	8217050	_Monument Box, Adj	Ea	5.00	\$ _____	\$ _____
735	8230421	Water Shutoff, Adj, Case 1	Ea	7.00	\$ _____	\$ _____
740	8230431	Gate Box, Adj, Case 1	Ea	26.00	\$ _____	\$ _____
745	8230432	Gate Box, Adj, Case 2	Ea	5.00	\$ _____	\$ _____
TOTAL THIS PAGE						\$ _____

<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
750	8237050	_Gate Box, Special	Ea	10.00	\$ _____	\$ _____
755	8507050	_HMA Surface, Around Structure Cover, Rem	Ea	82.00	\$ _____	\$ _____
760	8507050	_Private Utility Box, Adj, Case 1	Ea	11.00	\$ _____	\$ _____
765	8507050	_Private Utility Box, Adj, Case 2	Ea	10.00	\$ _____	\$ _____
TOTAL THIS PAGE						\$ _____
TOTAL FROM PAGE ADDENDUM-1-1						\$ _____
TOTAL FROM PAGE ADDENDUM-1-2						\$ _____
TOTAL FROM PAGE ADDENDUM-1-3						\$ _____
TOTAL FROM PAGE ADDENDUM-1-4						\$ _____
TOTAL FROM PAGE ADDENDUM-1-5						\$ _____
TOTAL FROM PAGE ADDENDUM-1-6						\$ _____
TOTAL FROM PAGE ADDENDUM-1-7						\$ _____
TOTAL FROM PAGE ADDENDUM-1-8						\$ _____
TOTAL BASE BID						\$ _____

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
PROJECT SCHEDULE

AA:DAD

1 of 3

03/27/22

Complete the entirety of work under this Contract in accordance with, and subject to, the scheduling requirements as outlined below, and all other requirements of the Contract Documents.

Organize, coordinate and diligently execute the work at the locations shown on the Schedule of Streets included herein. This schedule details the requirements, if any, for the Start of Work (on or after dates specified), the Completion of Work (on or before dates specified), Restricted Dates, the Maximum Calendar Days for Open to Traffic, and the Liquidated Damages per Calendar Day for each street or phase of work. For the purpose of this Contract, the "Start of Work" definition is the date when the temporary "No-Parking" signs become effective and all required temporary traffic control and SESC measures are in place and ready for use. The City will consider individual major street locations and local street phases to be open to traffic once they have met the "Approved for Traffic" requirements defined in subsection 107.21 of the Michigan Department of Transportation 2012 Standard Specifications for Construction. Within 10 days of opening to traffic an individual major street location or local street phase the Contractor shall complete all work, which includes, but is not limited to, placement of permanent pavement markings, minor slope restoration, clean-up, street cleaning, underground utility and utility structure cleaning (minor street phases), the removal of all temporary traffic control and SESC devices and temporary "No Parking" signs, and other necessary work and as directed by the Engineer. Failure to complete work in a timely manner may result in the suspension of active project work or a delay in starting subsequently planned project work.

The Engineer shall limit the Contractor's work operations to the number of streets that, in its opinion, is reasonable to allow for proper and thorough inspection, and to limit traffic control and/or safety concerns. The Contractor shall not have more than two (2) shared use path locations and one (1) local phase "active" simultaneously at any given time throughout the project unless otherwise noted in the Schedule of Streets or approved by the Engineer. In addition, no more than four (4) operations shall occur simultaneously at all locations during any work day unless otherwise approved by the Engineer. A location is "active" if work has begun and it has not yet been completed.

Conduct the local street phased work as shown on the Schedule of Streets beginning with one phase and opening it to traffic before progressing to the next and continue in this manner until all phases are complete. Begin work on Phase 1 and continue in order through Phase 5 unless otherwise directed or approved by the Engineer. The Engineer will allow preparation of subsequent project phase work up to five (5) days in advance of the planned open to traffic date for the phase on which the Contractor is currently working. This work includes placement/installation of temporary "No-Parking" signs and temporary traffic control and SESC devices. In no case will work be allowed to progress on a subsequent project phase beyond that considered preparational until the current phase is open to traffic or the Engineer directs otherwise. During this five (5) day period the Contractor will cover all temporary "No-Parking" and temporary traffic control signs by methods approved by the Engineer until such time they become effective and are needed for use.

The City expects to furnish the Contractor with two (2) copies of the Contract, for its execution, on or before **April 11, 2022**. The Contractor shall properly execute both copies of the Contract and return them, with the required Bonds and Insurance documentation, to the City by **May 2, 2022**. The Contractor shall not begin the work before the applicable date(s) as described herein without approval from the Project Engineer, and in no case before the receipt of the fully executed Contract and Notice to Proceed.

By no later than **May 9, 2022**, the Contractor shall submit a detailed schedule of work (progress schedule) for the Engineer's review and approval. The progress schedule must fully comply with the scheduling requirements contained on the Schedule of Streets. The schedule shall clearly indicate, in detail, the start and the finish date of each work task on each street. The Contractor shall update the approved progress schedule each week and present it to the Engineer at the weekly progress meeting and must consult with the Engineer for review and approval of any proposed deviations from the most current, approved, schedule.

The Contractor shall begin the work of this project on or after **May 16, 2022**, and only upon receipt of the fully executed Contract, Notice to Proceed and approved Progress Schedule. The City will consider granting appropriate time extensions should delays prevent the Contractor from starting work on this date.

Complete the entire project on or before **November 18, 2022**. Completion of the project means all locations shown on the Schedule of Streets are complete and ready for use in accordance with the "Completion of Work" as defined above.

Failure to open to traffic or complete all work as specified within the times specified, including time extensions granted thereto as determined by the Engineer, shall entitle the City to deduct dollar amounts specified in the Schedule of Streets as "Liquidated Damages" from the payments due the Contractor. The City will assess "Liquidated Damages" for delays in the opening to traffic and/or the completion of work for each street or phase, for each calendar day the street or phase remains unopen and/or the work remains incomplete beyond the required contract completion date or timeframe.

Time is of the essence in the performance of the work of this contract. The Contractor is expected to mobilize sufficient personnel and equipment and work throughout all authorized hours to complete the project by the intermediate (location specific) and final completion dates. Should the Contractor demonstrate that they must work on some Sundays in order to maintain the project schedule, they may do so between the hours of 9:00 a.m. and 5:00 p.m. with prior approval from the City. There will be no additional compensation due to the Contractor for work performed on Sundays.

The Engineer may delay or stop the work due to threatening weather conditions. No compensation shall be due the Contractor for unused materials or downtime due to rain, or the threat of rain. The Contractor is solely responsible for repairing all damages to the work and to the site, including any City infrastructure, and any adjacent properties resulting from its decision to work in the rain.

The Contractor shall not work in the dark except as approved by the Engineer and shall provide lighting for night work as detailed elsewhere in this contract. The Engineer may stop the work or may require the Contractor to defer certain work to another day, if, in the Engineer's opinion, the Contractor cannot be complete the work within the remaining daylight hours, or if inadequate daylight is present to properly perform or inspect the work. No compensation shall be due to the Contractor for unused materials or downtime, when the Engineer directs work stoppage for reasons due to darkness and/or inadequate remaining daylight. The Contractor is solely responsible for repairing all damages to the work and to the site, including any City infrastructure, and any adjacent properties, which result from working in the dark.

Assessment of Liquidated Damages will occur until the required work is complete in the current construction season. If, with the Engineer's approval, work extends beyond seasonal limitations, the assessment of Liquidated Damages will discontinue until the work resumes in the following construction season.

If the construction contract is not complete within the specified period(s) including any extensions of time granted thereto, at the sole discretion of the City of Ann Arbor it may terminate the Contract. Should this occur no additional compensation will be due to the Contractor, and the Contractor may be forbidden to bid on future City of Ann Arbor projects for a period of at least three (3) years. If the Engineer elects to terminate the Contract, payment for contract items with a Lump Sum unit price will be up to a maximum amount equal to the percentage of the contract work that is complete at the time of termination.

The City's decision to delete streets or phases, add streets, change the construction limits on streets, or, the City's contribution to a delay of the construction on any one street shall not entitle the Contractor to receive additional compensation for work on any other street(s) or phase(s), nor shall it relieve the Contractor of any responsibilities for completion of work on any other street(s) or phase(s).

Include any/all efforts to organize, coordinate, and schedule the project work in the contract unit price bid for the pay item **General Conditions, Max \$_____**.

Street Resurfacing Project – 2022
Schedule of Streets

Location (Street)	Limits of Work	Start of Work	Open to Traffic or *Completion of Work	Date Restrictions and Project Coordination	**Maximum Calendar Days	Liquidated Damages per Calendar Day
SHARED USE PATHS/*CONCRETE SIDEWALKS CONVERSION						
Arbor Hills Nature Area	Green Rd to Nature Area Trail Head			AAATA, INDP, LABR, MMRL	5	\$500
W Liberty Road (north side)	Liberty Pointe Dr to Scio Ridge Rd			AAATA, INDP, MMRL, Phase 1	10	\$500
*Oakbrook Drive (south/east side)	S Main St to easterly end in Ward Park			INDP, LABR, MMRL,	7	\$500
S State Street (west side)	W Eisenhower Pkwy to Briarwood Cir			, INDP, CAA, MMRL, LABR, UMFB	14	\$800
*E Eisenhower Parkway (south side)	Eisenhower Pl easterly to HMA/concrete transition between Alpine Dr and Hayes Ct			AAATA, MMRL UMFB	10	\$500
Washtenaw Avenue (north side)	S Huron Pkwy to 150 ft westerly			AAATA, INDP, LABR, MMRL UMFB	5	\$500
Glazier Way	Tremont Drive Intersection		8/1/2022	AAATA, AAPS, INDP	14	\$500
MINOR (LOCAL) STREETS						
Traffic Calming						
Longman & Fairview	Jackson Pl to Dexter Ave	7/1/2022		INDP, LABR	21	\$800
Northside	Barton Dr to Pontiac Trl	7/1/2022		INDP, LABR	7	\$500
Phase 1						
Atterberry Courtt	Atterberry Dr to Northerly End	05/16/2022		MMRL	35	\$1,000
Atterberry Drive	Burr Oak Dr to Easterly End					
Burr Oak Drive	W Liberty Rd to Easterly End					
Dunnington Drive	Burr Oak Dr to Atterberry Dr					
Trego Circle	Burr Oak Dr to Burr Oak Dr					

Street Resurfacing Project – 2022
Schedule of Streets

Location (Street)	Limits of Work	Start of Work	Open to Traffic or *Completion of Work	Date Restrictions and Project Coordination	**Maximum Calendar Days	Liquidated Damages per Calendar Day
MINOR (LOCAL) STREETS - CONTINUED						
Phase 2						
Alice Street	Bruce St to Grace St/Arlene St			***AA1, INDP, Phase 5	70	\$1,500
Arlene Street	Alice St/Grace St to Ross St					
Bruce Street	Sunrise St to Miller Ave					
Grace Street	Alice St/Arlene St to Westwood Ave					
Ross Street	Arborview Blvd to Arlene St					
***Sunrise Court	Sunrise St to Northerly End					
***Sunrise Street	Bruce St to Westwood Ave					
Westwood Avenue	Linwood Ave to Bruce St					
Phase 3						
Bath Street	Bucholz Ct to N 7th St			LABR, Phase 4	63	\$1,000
Harbrooke Avenue	Wildwood Ave to Arbana Dr					
Linwood Avenue	N Revena Blvd to Arbana Dr					
Mapleridge Street	Willow St to Arborview Blvd					
Maryfield Drive	Westwood Ave to Pineridge St					
N Revena Boulevard	W Huron St/Jackson Ave/Dexter Ave to Linwood Ave					
Wildwood Avenue	Linwood Ave to Arborview Blvd					
Willow Street	Mapleridge St/Bucholz Ct to N 7th St					
Phase 4						
Arborview Boulevard	Ross St to Miller Ave			LABR, Phase 3	91	\$1,500
Brierwood Court	Arborview Blvd to Northerly End					
Revena Place	Arborview Blvd to Dead End/Start					
Wilton Court	Arborview Blvd to Northerly End					

Street Resurfacing Project – 2022

Schedule of Streets

Location (Street)	Limits of Work	Start of Work	Open to Traffic or *Completion of Work	Date Restrictions and Project Coordination	**Maximum Calendar Days	Liquidated Damages per Calendar Day
MINOR (LOCAL) STREETS - CONTINUED						
Phase 5						
****Chapin Street	W Huron St to Miller Ave			****AAAF, INDP, Phase 2	70	\$1,500
Doty Avenue	Dexter Ave to Arborview Blvd					
Linda Vista Street	Arborview Blvd to Miller Rd					
Virginia Avenue	W Liberty St to Fair St					
****Willard Street	E University Ave to S Forest Ave					

*Complete all work required for each project location or phase by the date shown.

**Maximum calendar days allowed to open a project location or phase to traffic, or to complete all required work if so designated in the above table.

Date Restrictions and Project Coordination

AA1 - Coordinate work and maintenance of traffic with the 2022 Miscellaneous Utility Project new water main work on Sunrise Court.

AAATA - Coordinate work and maintenance of traffic with that of the Ann Arbor Area Transportation Authority for bus route service.

AAPS - No work permitted when Ann Arbor Public Schools are in session (before June 11, 2022 or after August 27, 2022).

AAAF - No work permitted during the Ann Arbor Art Fair from July 21 to July 23, 2022.

CAA - Coordinate work and maintenance of traffic with City of Ann Arbor Street Preventative Maintenance Project – FY2023 work planned for S State Street and W Eisenhower Pkwy.

INDP - No work permitted during the Independence Day holiday period from 3:00 p.m. July 1 to 7:00 a.m. July 5, 2022.

MMRL - No work permitted during the Memorial Day holiday period from 3:00 p.m. May 27 to 7:00 a.m. May 31, 2022.

LABR - No work permitted during the Labor Day holiday period from 3:00 p.m. September 2 to 7:00 a.m. September 6, 2022.

UMFB - No work permitted during scheduled home game dates for University of Michigan Football. Schedule to be provided.

Street Resurfacing Project – 2022

Schedule of Streets

Notes

1. Date Restrictions shown above are based on a preliminary project construction schedule developed by the City for planning purposes. These may change for project locations with no specific required start and/or open to traffic or completion of work dates.
2. With approval of the Engineer, work operations on Phases 2 and 5 may occur simultaneously with each commencing upon completion of Phase 1.
3. With approval of the Engineer, work operations on Phases 3 and 4 may occur simultaneously with each commencing upon completion of Phases 2 and 5, whichever is later.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
REMOVING CONCRETE ITEMS

AA:DAD

1 of 2

03/28/22

a. Description. This work consists of removing concrete items including curb, gutter, curb and gutter, integral curb, sidewalk, sidewalk ramps, driveway openings, and driveway approach pavements as shown on the plans, in accordance with section 204 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction and the details shown on the plans, except as specified herein, and as directed by the Engineer.

b. Materials. Provide materials in accordance with those specified in section 204 of the MDOT Standard Specifications for Construction.

c. Construction. Complete this work, as applicable, according to in section 204 of the MDOT 2012 Standard Specifications for Construction, as described below, and as directed by the Engineer.

Replace concrete curb, gutter, curb and gutter, sidewalk, sidewalk ramps, drive openings, and driveway approaches within 24 hours of their removal.

Prior to the start of work, the Engineer and Contractor together will identify, and field measure all concrete removal items. The Engineer will approve of all removal limits prior to the Contractor performing any concrete removal work.

Perform full-depth horizontal and transverse saw cutting at removal limits, including those necessary to construct 2-foot wide "Det M" driveway openings, and including those necessary to provide for the partial removal of existing drive approaches as shown on the plans, as directed by the Engineer, and as marked for removal. The Contractor shall cut steel reinforcement bars as directed by the Engineer at all areas of removal. Perform any/all saw cutting under wet conditions to prevent excessive airborne dust. Clean up any/all resulting slurry and debris to the satisfaction of the Engineer immediately after performing saw cutting work.

The work includes excavation of any/all concrete designated for removal; stump and brush removal, as required; disposal of removed materials; and backfilling and compaction, as required.

The Contractor will coordinate with the City Forester prior to the removal of any tree roots.

At various times throughout the work, the Engineer may direct the Contractor to use smaller and/or lighter equipment, and to defer certain work tasks, in order to protect the grade and/or adjacent areas. The Contractor shall not be entitled to any additional compensation for the use of smaller equipment, lighter equipment, or work task deferral.

Use blade graders, maintainers, vibratory rollers, and/or other equipment as necessary, and as directed by the Engineer. The use of each specific piece of equipment is subject to the approval of the Engineer.

Where replacing existing concrete curb or curb and gutter on a street with a concrete (or brick) base, the Engineer may direct the Contractor to remove a one (1) foot wide, full-depth section of pavement and pavement base immediately in front of the curb and gutter. As part of this pavement/base removal, the Contractor will perform additional (double) full-depth saw-cutting along the entire removal limits and take sufficient care so as not to damage and/or disturb any adjacent pavement, pavement base, and/or any other site feature, all as directed by the Engineer. The removals will be to a sufficient width and depth to allow for the placement and removal of the curb and gutter formwork. After the removal of the formwork, the Contractor will replace the concrete base to its original thickness and elevation(s).

At all times protect all excavated/removal areas with barricades and/or fencing.

Removed or excavated materials not incorporated into the work will become the property of the Contractor and be immediately removed and properly disposed of off-site. DO NOT stockpile overnight on site, or adjacent to it, any removed or excavated materials.

Replace and compact any/all base, subbase, or subgrade materials removed without authorization with materials specified by the Engineer. The Contractor will perform this work at its expense.

d. Measurement and Payment. Measure and pay for the completed work, as described, at the respective contract unit prices using the following respective pay items:

<u>Pay Item</u>	<u>Pay Unit</u>
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Foot
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Square Yard

Measure **Curb, Gutter, and Curb and Gutter, Any Type, Rem** lengths in place by the unit foot and pay for it at the contract unit price, which price includes the costs for all labor, equipment and materials necessary to complete the work.

Measure **Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem** areas in place by the square yard and pay for it at the contract unit price, which price includes the costs for all labor, equipment and materials to complete the work.

Saw cutting is not a separate contract pay item. Include payment for this work in the appropriate item of work for which it applies. The Contractor shall include any/all costs for saw cutting to remove concrete items including curb, gutter, curb and gutter, integral curb, sidewalk, sidewalk ramps, driveway openings, and driveway approach pavements in the respective contract unit prices bid for **Curb, Gutter, and Curb and Gutter, Any Type, Rem** and **Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem**.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
MACHINE GRADING

AA:DAD

1 of 4

03/28/22

a. Description. This work consists of constructing earth grades by excavating, cutting, filling, trimming, and grading, and maintaining the work in a finished condition until such time of acceptance by the Engineer. Complete machine grading in accordance with section 205 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction as shown on the plans, and as specified herein with the exception that undercutting, which if included in the Contract the Engineer will pay for separately. Machine grading includes all the work described herein, and as directed by Engineer.

b. Materials. Use materials meeting the requirements specified in subsection 205.02 of the MDOT 2012 Standard Specifications for Construction.

c. Construction. Use construction methods meeting the requirements specified in subsection 205.03 of the MDOT 2012 Standard Specifications for Construction, except as specified herein.

1. Soils Information - Soil information provided as part of the contract documents is for informational purposes only and shall not relieve the Contractor of the responsibility of investigating all local conditions before bidding.

2. General Provisions:

A. Grade around or proximate to concrete curb, gutter and curb and gutter, mailboxes, trees, light poles, power poles, drainage/utility structures and the like, which are to remain in place. The Contractor is responsible for any damage caused to such structures.

B. Maintain the work in a finished condition until acceptance by the Engineer.

3. Pavement Sawcutting - The work includes the full-depth saw cutting of pavement at the construction limits, and elsewhere as required.

4. Miscellaneous Removals - The removal of HMA, aggregate, brick, and/or concrete materials within the grading limits and from around manholes and in other miscellaneous areas, and the removal of HMA surface on existing curb and gutter. It also includes the removal of any surface feature located within the grading limits requiring removal and for which there is no specific pay item established in the Contract.

5. Protection of the Grade – Keep work well drained at all times. Undercut and backfill any foundation, pathway or roadway embankment or subgrade damaged by rain, as directed by the Engineer.

The Contractor is responsible for maintaining the foundation, pathway or roadway embankment, subgrade, and base grades.

Do not use rubber-tired equipment on the aggregate base or subgrade, when its use causes, in the opinion of the Engineer, unnecessary damage to either. Conduct operations and provide

the necessary equipment to ensure the satisfactory completion of the work without damaging the aggregate base or subgrade. This may require the transporting and movement of materials over additional distances.

At various times throughout the work, the Engineer may direct the Contractor to use smaller and/or lighter equipment, and to defer certain work tasks, in order to protect the grade and/or adjacent areas. The Engineer will not grant an extension of time or any additional compensation for the use of smaller equipment, lighter equipment, or work task deferral.

6. Removal of Cable, Conduit and Pipe - Remove, and properly dispose of off-site, all abandoned cables, conduit, and pipe encountered at, or above the bottom of any earthwork excavation or undercut. Where the inverts of existing conduits or pipe are less than 16 inches below the bottom of any earth excavation or undercutting, remove the conduits and/or pipe and fill void with an Engineer approved material. Compact fill material to 98% of its maximum unit weight in lifts not exceeding 12 inches.

Construct the base grade as specified herein, and as directed by the Engineer. To achieve this, the work will include, but not be limited to:

- A. Removal and disposal off-site of any surplus or unsuitable materials.
- B. Furnishing from off-site any additional Engineer approved base materials necessary.
- C. Moving existing and/or furnished materials longitudinally and transversely as necessary.
- D. Cutting, placing, compacting, and trimming existing and/or furnished materials to construct the roadway base to the specified tolerances.
- E. Stockpiling, and moving again, any excavated materials requiring delayed placement due to construction staging.

Grade the aggregate base to accommodate placement of the roadway paved surface.

Prepare the aggregate base grade to ensure uniform support for the paved surface. Shape finished aggregate base surface within $\pm 1/2$ of desired grade as directed by the Engineer. Variations within this tolerance will be gradual.

Use equipment and methods of construction best suited, in the opinion of the Engineer, to perform the earthwork operations and meet the project requirements. The use of various equipment and methods of construction are subject to the approval of the Engineer. The Engineer may disallow the use of certain equipment and methods of construction and require the use of other equipment and/or methods of construction.

7. Test Rolling - Test-roll the base grade or subgrade with a pneumatic tired roller with a suitable body for ballast loading and a variable gross load capacity between 25 and 40 tons. Instead of this test roller, with the approval of the Engineer, the Contractor may use a fully loaded single axle or tandem axle dump truck.

8. Undercutting – Perform “undercutting” on the aggregate base grade or subgrade in accordance with the Detailed Specification included in the contract and as directed by the Engineer.

9. Lowering Structures - Prior to cold milling and preparing the aggregate base grade,

remove structure covers, lower the structures to a point between 8 inches and 12 inches below the proposed subgrade, and cover the structures with a steel plate. Do not raise structures prior to placing the leveling course of hot mix asphalt. Raise structures prior to placement of concrete pavement.

Use steel plates for covering structure openings conforming to the plan details and of sufficient thickness to carry any/all traffic loads and prevent the infiltration of debris into the structures. Peg and properly place plates to prevent movement under all traffic.

Lower valve boxes to a point between 8 inches and 12 inches below the proposed subgrade. Do not raise valve boxes prior to placing the leveling course of hot mix asphalt. Raise valve boxes prior to placement of concrete pavement.

Backfill the voids in the grade above the steel plates used for structure lowering and valve box lowering and compact it to 95% of its maximum dry density, with an Engineer approved coarse aggregate.

Coordinate the lowering of any private and/or non-city owned utility structure with the private utility company/owner.

10. Structure Covers - As directed by the Engineer and within two days of their removal, the stockpile on-site, in a location that is mutually agreeable to the Engineer and Contractor, the existing structure covers. City of Ann Arbor forces will pick-up the structure covers at a time that is convenient to them and mutually agreeable to the Contractor. Provide equipment and personnel to load the castings on City vehicle(s) for removal from the site by the City forces.

11. Structure and Sewer Cleanliness – Protect all sewers, and structures, including manholes, gate wells, valve boxes, inlet structures and curbs from damage and contamination by debris and construction materials. Maintain structures clean of construction debris and properly cover them at all times during the construction. The Contractor will immediately clean any structures and/or sewers contaminated with construction debris.

12. Tree Trimming - The Contractor shall coordinate with the City of Ann Arbor Public Works to schedule trimming of trees by City forces or an authorized subcontractor.

d. Measurement and Payment. Measure and pay for the completed work, as described, at the contract unit price using the following pay item:

<u>Pay Item</u>	<u>Pay Unit</u>
Machine Grading, Special	Square Yard

Measure **Machine Grading, Special** area by the unit square yard and pay for it at the contract unit price, which price includes costs for all labor, equipment and materials necessary to complete the work.

Due to the project nature there is a likely probability that some or all of the excavated material may not be suitable for use fill material. Consequently, there may be imbalances between the amount of material available for reuse as embankment, and the amount of embankment needed for the construction activities shown on the plans, or as directed by the Engineer. The unit price bid for this work includes the costs to address this probable imbalance and to furnish, stockpile and re-handle,

place, and compact any Engineer approved material necessary to complete the work of constructing the base grade as directed by the Engineer.

The described work for **Machine Grading, Modified** includes the removal and offsite disposal of any surplus or unsuitable materials and the furnishing from off-site any additional Engineer approved fill materials necessary to construct the base grade as directed by the Engineer.

The Contractor, at its sole expense, will remedy, as directed by the Engineer, any damage to the subgrade and base grade caused by traffic or its operations.

The Engineer will not pay for separately the removal of cable, conduit or pipe.

The Engineer will not pay additional compensation or allow extensions of contract time for additional measures required to protect the subgrade or base grade as specified.

Machine Grading, Modified includes costs for all labor, equipment and materials necessary to complete any undercutting unless the Contract includes separate pay items for this work.

Machine Grading, Modified includes costs for all labor, equipment and materials necessary to temporary lower structures and structure covers unless the Contract includes separate pay items for this work.

The Contractor is responsible for all direct and indirect damages caused by unclean or damaged sewers or structures resulting from its work or operations.

The Engineer will not pay additional compensation or allow extensions of contract time for tree trimming measures and coordination of this work with City forces.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
FLEXIBLE PIPE COUPLING

AA:DAD

1 of 1

03/28/22

a Description. Use flexible pipe coupling to adjoin pipes of different sizes or materials as directed by the Engineer, and as described herein.

b Materials. Use FerncoTM Flexible coupling with stainless steel shear rings; Indiana Seal Flexible Couplings; or an Engineer approved equal.

c Construction. Install flexible coupling per the specifications of the manufacturer'

d Measurement and Payment. Payment for use of a flexible coupling will not be made separately. The Contractor shall include all material, labor and equipment costs necessary to install a flexible pipe coupling in the contract unit price(s) for the pay item(s) directly associated with the work where its use is required.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
STORM WATER INFILTRATION

NCI:AK
AA: DAD

1 of 3

03/28/22

a. Description. This work shall consist of installing storm sewer infiltration trench and storm sewer pipe in accordance with Section 402 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, and as specified herein. All newly constructed storm sewer shall be tested and videotaped in accordance with the City of Ann Arbor Public Services Area Standard Specifications.

b. Materials. Stone reservoir (infiltration trench) material to consist of Class 6A course aggregate in accordance with Section 902 of the 2012 MDOT Standard Specifications for Construction, except that it shall consist of a minimum of 90% crushed material and shall have Voids $\geq 30\%$. If approved aggregate has less than 30% voids, increase thickness to accommodate design volume as directed by the Engineer at the Contractor's expense.

Stone reservoir shall be lined, on all sides, with a geotextile separator fabric meeting the requirements of Section 910 of the 2012 Michigan Department of Transportation Standard Specifications for Construction. The geotextile separator shall be overlapped at all seams by at least two feet in any direction.

High density corrugated polyethylene (CPE) pipe shall be perforated pipe meeting the requirements of AASHTO M 294 or ASTM F 2306. The pipe shall be corrugated with an integrally formed smooth interior.

The pipe shall be dual-walled for added strength and stability. Joints for smooth lined corrugated plastic pipe shall be bell and spigot soil tight.

The following information shall be clearly marked on each length of pipe:

- a) Specification designation (e.g. AASHTO M294).
- b) The name or trademark of the manufacturer.
- c) Nominal size.
- d) The plant designation code.
- e) The date of manufacturer.

All pipe furnished shall be accompanied by the manufacturer's certificate of test showing conformity with the Specifications. Each certificate shall identify a specific lot number, quantity of pipe, and show actual test results for the lot furnished. These certificates shall be submitted to the Inspector at the time of unloading.

All pipe furnished shall be subject to inspection on arrival at the job site by the Engineer. The purpose of the inspection shall be to cull and reject pipe or fittings that, independent of physical tests specified under the standard specifications designated herein, fail to conform to the requirements of these Specifications.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
STORM WATER INFILTRATION

NCI:AK
AA: DAD

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03/28/22

The Contractor shall notify the Engineer sufficiently in advance so that an Inspector may be on the job during the unloading of materials. A minimum notice of 24 hours is required for such unloading and inspection.

CPE pipe shall be subject to rejection on account of any of the following:

- a) Cracked pipe.
- b) Creased pipe.
- c) Unpigmented or non-uniformly pigmented pipe.

Rejected pipe shall be plainly marked by the Inspector and immediately removed from the site of the work by the Contractor, without no additional cost.

Use materials for bulkheads in accordance with subsection 402.02 of the 2012 MDOT Standard Specifications for Construction.

Flowable fill material shall be in accordance with the Detailed Specification included the contract.

c. Construction. Construct stone reservoir (infiltration trench) as shown on the plans and adequately compact to prevent settling without deforming the sewer pipe. Compaction shall be approved by the Engineer. The Contractor shall remove and either reinstall or replace, at no additional cost, any section of pipe with its diameter reduced by more than 5 percent.

The Contractor shall excavate and expose all utility crossings prior to laying any storm sewer pipe. This will allow the Engineer to adjust the grade of the storm sewer, if possible, to avoid the existing utilities.

Abandon existing storm sewer(s) shown on the plans by bulkheading and filling with flowable fill. Construct bulkheads in accordance with subsection 402.03.E of the 2012 MDOT Standard Specifications for Construction.

d. Measurement and Payment. The completed work as measured will be paid for at the contract unit prices for the following contract pay items:

<u>Pay Item</u>	<u>Pay Unit</u>
Sewer, Abandon, Less than 24 inch	Foot
Sewer, Perforated CPE, 12 inch	Foot
Infiltration Trench	Cubic Yard
Sewer, Bulkhead, 12 inch	Foot

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
STORM WATER INFILTRATION

NCI:AK
AA: DAD

3 of 3

03/28/22

Measure **Sewer, Abandon, Less than 24 inch, Sewer, Perforated CPE, 12 inch** and **Sewer, Bulkhead, 12** individually in place by the unit foot and pay for them at their respective contract unit prices, which prices include costs for all labor, equipment and materials necessary to complete the work.

Measure **Infiltration Trench** in place by the unit cubic yard and pay for it at the contract unit price, which price include costs for all labor, equipment and materials necessary to complete the work.

The costs of excavation to expose existing utilities, and all other related costs, shall be included in the unit price for **Sewer, Perforated CPE, 12 inch**.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
ADJUSTING STRUCTURE COVERS

AA:DAD

1 of 3

03/28/22

a. Description. This work includes the final adjustment of all drainage and utility structure covers whether shown or not on the plans in accordance with section 403 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, applicable standard or special details, and as specified herein. Utility structures comprise gate wells/manholes, sanitary sewer manholes, storm manholes, catch basins/inlets, monument boxes, and private utility manholes/boxes.

The Contractor will also coordinate with private utility(s) to have them perform any required adjustment(s) of structure covers and to ensure performance of proper adjustments prior to placing any final paving materials.

b. Materials. Provide materials in accordance with those specified in subsection 403.02 of the MDOT Standard Specifications for Construction.

For gate well/manhole, sanitary sewer manhole, storm manhole and catch basin/inlet use only precast concrete adjusting rings or an Engineer approved equivalent.

In hot mix asphalt (HMA) pavement areas, make adjustments using MDOT P-NC concrete (658 lbs/cyd) as specified in subsection 601.02 of the MDOT 2012 Standard Specifications for Construction. In areas of concrete (PCC) pavement, adjust structures at the time of paving and encase them with the grade of concrete used for the roadway.

c. Construction. Complete this work, as applicable, according to subsection 403.03 of the MDOT 2012 Standard Specifications for Construction, as described below, and as directed by the Engineer.

Adjust any/all structure covers, monument boxes, water valve boxes and other public utility underground access or control point covers to conform to the finished surface section and elevation. Perform the structure cover adjustments in lawn areas and those using a one-step process. Perform structure cover adjustments in HMA pavement areas in two steps: step one is the lowering of the structure cover to below the subgrade elevation and plating of the structure; step two is the final adjustment to finish grade made prior to placing the HMA top course. In areas of concrete pavement, make the final adjustment of structure covers to finish grade at the time of concrete pavement forming. The Engineer shall approve of all structure cover adjustments prior to the placement of any HMA and/or concrete pavement.

Any/all final structures cover adjustments are to be to the elevation that results in their top surface being flush with the finished grade. Accomplish and check this work using a 10-foot straight edge placed parallel, and then perpendicular to, the pavement centerline. Failure to meet these conditions will result in the readjustment of the structure and finish patching of the area, as directed by the Engineer, at the Contractor's expense.

All private utility (Electric, Gas, Telecommunications, etc.) structure and valve covers will be adjusted during this project by the Utility. It is the responsibility of the Contractor to coordinate with these private utilities by giving adequate notice and arranging for any adjustment of structures or

valves by these utilities. The Contractor is solely responsible for ensuring completion of this work in a timely manner.

The Contractor shall replace existing structures covers, top portions of valve boxes and monument boxes as shown on the plans and as directed by the Engineer.

The Contractor shall remove and stockpile on site at a location mutually agreed upon by the Contractor and Engineer any/all existing structure covers designated for salvage and within two days of their removal deliverer them to the City's W.R. Wheeler Service Center (4251 Stone School Rd, Ann Arbor, MI). Any structure covers not designated for salvage shall become the property of the Contractor, and disposed of, as required, by the Contractor.

Any/all adjustments in areas HMA pavement include backfilling with Grade P-NC concrete from the depth of excavation necessary for adjustment to an elevation flush with the HMA leveling course.

Adjust structure covers to be flush with or ¼ inch below final pavement surface.

d. Measurement and Payment. Measure and pay for the completed work, as described, at the respective contract unit prices using the following respective pay items:

<u>Pay Item</u>	<u>Pay Unit</u>
Dr Structure Cover, Adj, Case 1, Modified	Each
Dr Structure Cover, Adj, Case 2, Modified	Each
Monument Box, Adj.....	Each
Private Utility Box, Adj, Case 1	Each
Private Utility Box, Adj, Case 2	Each

Measure **Dr Structure Cover, Adj, Case 1, Modified** and **Dr Structure Cover, Adj, Case 2, Modified, Monument Box, Adj, Private Utility Box, Adj, Case 1** and **Private Utility Box, Adj, Case 2** individually in place by the unit each and pay for them at their respective contract unit prices, which prices include costs for all labor, equipment and materials necessary to complete the work.

Backfilling with Grade P-NC concrete is not a separate contract item, and payment for **Dr Structure Cover, Adj, Case 1, Modified, Monument Box, Adj, Private Utility Box, Adj, Case 1** and **Private Utility Box, Adj, Case 2** includes furnishing and placing this material.

Payment for transporting salvaged frames and covers from the project site to the W.R. Wheeler Center is included in the unit prices bid for the above structure cover adjustment items of work.

Where the required adjustment of a structure is more than 6 inches above/below the proposed finished grade of the structure, measure and pay for it as **Dr Structure Cover, Adj, Add Depth**. This also includes the repair of manholes and structures requiring less than the substantial rebuilding of the structure, as determined by the Engineer.

There is a possibility that the Contractor may find hidden utility structures during the work. It is the Contractor's responsibility to inform the respective utility owner(s) of the findings. In such instances, the City may direct the Contractor to adjust the structure(s) to grade. The Engineer will pay this

work as either **Dr Structure Cover, Adj, Case 1, Modified** or **Dr Structure Cover, Adj, Case 2, Modified** depending on the location of the hidden structure(s).

The Engineer will pay for adjusting covers on new drainage or utility structures, monuments boxes, valve boxes, etc. in their respective items of work and not pay for them under these items of work. Perform this work in accordance with this detailed specification.

The Engineer will pay for the adjustment of gate valve boxes and electrical/traffic signal handholes as **Dr Structure Cover, Adj, Case ____, Modified** unless there are separate pay items in the contract to address this work.

CITY OF ANN ARBOR
 DETAILED SPECIFICATION
 FOR
DRAINAGE AND UTILITY STRUCTURES

AA:DAD

1 of 1

03/28/22

a. Description. This work consists of cleaning, pointing, and temporary lowering drainage and utility (storm, sanitary, water, private) structures whether shown or not on the plans, as directed by the Engineer, and as herein provided. Temporarily lower drainage and utility structures per the details shown on the plans.

b. Materials. Provide materials in accordance with subsection 403.02 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, unless otherwise directed by the Engineer.

c. Construction. Clean, point, and temporary lower drainage and utility structures in accordance with subsection 403.03 of the MDOT 2012 Standard Specifications for Construction, and as directed by the Engineer.

Reconstruct drainage and utility structures from the base using precast reinforced concrete units or concrete block masonry.

Point structures by removing loose and damaged mortar, filling joints between concrete and masonry units with new mortar, and striking joints so the exposed surface is smooth and free of voids.

d. Measurement and Payment. Measure and pay for the completed work, as described, at the respective contract unit prices using the following respective pay items:

<u>Pay Item</u>	<u>Pay Unit</u>
Dr Structure, Cleaning, Modified	Each
Dr Structure, Point.....	Each
Dr Structure, Temp Lowering, Modified	Each

Measure **Dr Structure, Cleaning, Modified**; **Dr Structure, Point**; and **Dr Structure, Temp Lowering, Modified** individually in place by their respective units each and pay for them at their respective contract unit prices, which prices include the costs for all labor, equipment and materials necessary to complete the work.

CITY OF ANN ARBOR
 DETAILED SPECIFICATION
 FOR
STRUCTURE COVERS

AA:DAD

1 of 2

03/28/22

a. Description. This work shall consist of replacing and furnishing frames and covers for utility (storm, sanitary, and water) structures as shown on the plans and as directed by the Engineer, in accordance with section 403 of the edition of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, except as specified herein.

b. Materials. Provide materials meeting the requirements of subsection 403.02 and section 908 of the MDOT 2012 Standard Specifications. Provide frames and covers conforming to the model(s) shown in the table below, or equivalent approved by the Engineer.

Type of Casting	Associated Pay Item (MDOT Designation)	EJ No.	NEENAH No.
Manhole Frame and Cover (flood prone areas)	Dr Structure Cover, Special	1040-ZPT w/ 1040AGSPT Cover	
Curb Inlet/Catch Basin Frame and Cover (mountable curb & gutter)	Dr Structure Cover, Type C, Modified (Cover C)	7045Z w/ 7060 T1 Back w/ 7045 M1 Grate	
Flat Inlet Frame and Cover	Dr Structure Cover, Type D, Modified (Cover D)	5000 w/ Type M2 Sinusoidal Grate	
Inlet/Catch Basin Frame and Cover	Dr Structure Cover, Type E, Modified (Cover E)	1040Z, w/1040 02 Grate	R-2560-E1
Inlet/Catch Basin Frame and Cover	Dr Structure Cover, Type G, Modified (Cover G)		
Curb Inlet/Catch Basin Frame and Cover (barrier curb & gutter)	Dr Structure Cover, Type K, Modified (Cover K)	7045Z w/7050 T2 Back w/7045 M1 Grate	R-3031-B w/Type S Grate
Manhole Frame and Cover (storm sewer and water)	Dr Structure Cover, Type Q, Modified (Cover Q)	1040Z w/1040A Logo Cover	R-1642 w/Type C Cover
Manhole Frame and Cover (sanitary sewer)	Dr Structure Cover, Type Q, Special	1040-1ZPT w/ 1040AGS Logo Cover	

Provide frames and covers with machined bearing surfaces.

Provide manhole covers labeled with "CITY OF ANN ARBOR" and "WATER" or "STORM" or "SANITARY" whichever is applicable. Use the City's custom logo in use at the time of the project (see drawings attached).

Use Dr Structure Cover, Special for all sanitary sewer manhole covers unless otherwise directed by the Engineer.

Frames and covers for monument and gate (water-valve) boxes will be provided by the City of Ann Arbor. The Contractor shall transport these to the site from the City's W.R. Wheeler Service Center located at 4251 Stone School Road.

c. Construction. The Contractor shall store materials on site and/or at locations arranged by the Contractor, subject to the approval of the Engineer. The Contractor shall not store materials or equipment, including metal castings and steel plates, on any lawn areas.

The Contractor shall deliver all salvaged covers and castings to the W.R. Wheeler Service Center within two days of their removal.

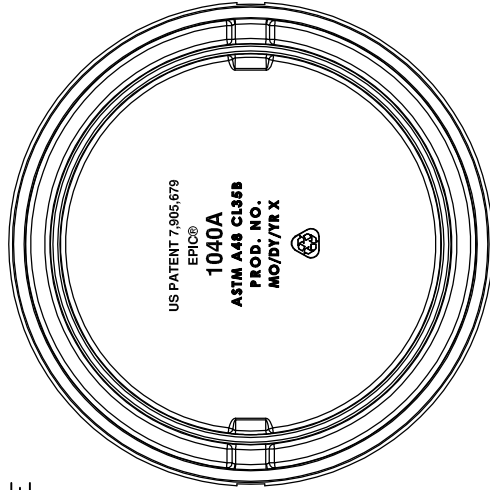
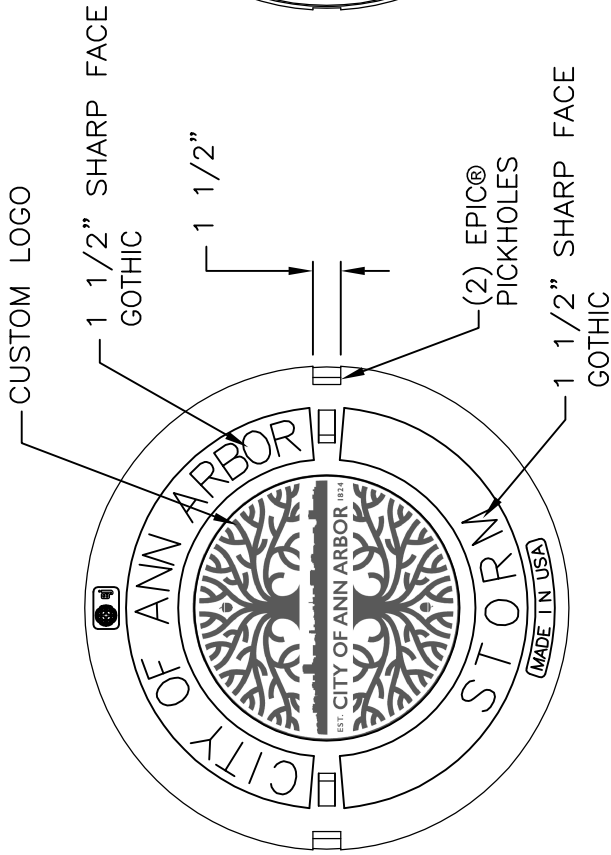
d. Measurement and Payment. Measure and pay for the completed work, as described, at the respective contract unit prices using the following respective pay items:

<u>Pay Item</u>	<u>Pay Unit</u>
Dr Structure Cover, Special	Each
Dr Structure Cover, Type D, Modified	Each
Dr Structure Cover, Type E, Modified	Each
Dr Structure Cover, Type G, Modified	Each
Dr Structure Cover, Type K, Modified	Each
Dr Structure Cover, Type Q, Modified	Each

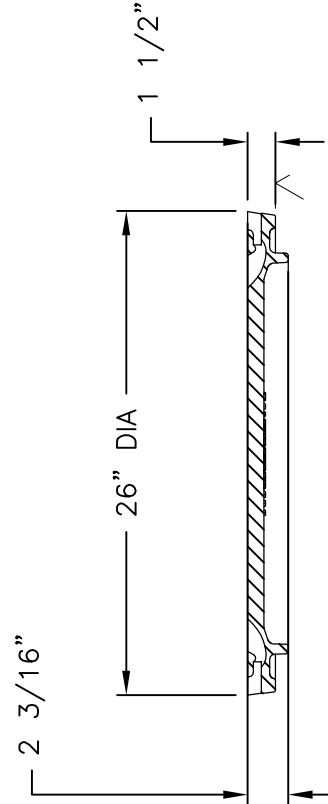
Measure **Dr Structure Cover, Type ____, Modified** and **Dr Structure Cover, Special** individually in place by their respective units each and pay for them at their respective contract unit prices, which prices include all cost for labor, equipment and materials necessary to complete the work.

Payment for transporting new covers to the project site from the W.R. Wheeler Center is included in the unit prices bid for the above drainage structure cover items of work.

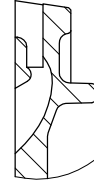
1040A Cover



BOTTOM VIEW



SECTION



EPICOR® DETAIL

Product Number

001040325

Design Features

- Materials Gray Iron (CL35B)
- Design Load Heavy Duty
- Open Area n/a
- Coating Dipped
- Designates Machined Surface

Certification

- ASTM A48
- Country of Origin: USA

Drawing Revision

5/4/2018 Designer: DAE
8/29/2018 Revised By: DAE

Disclaimer

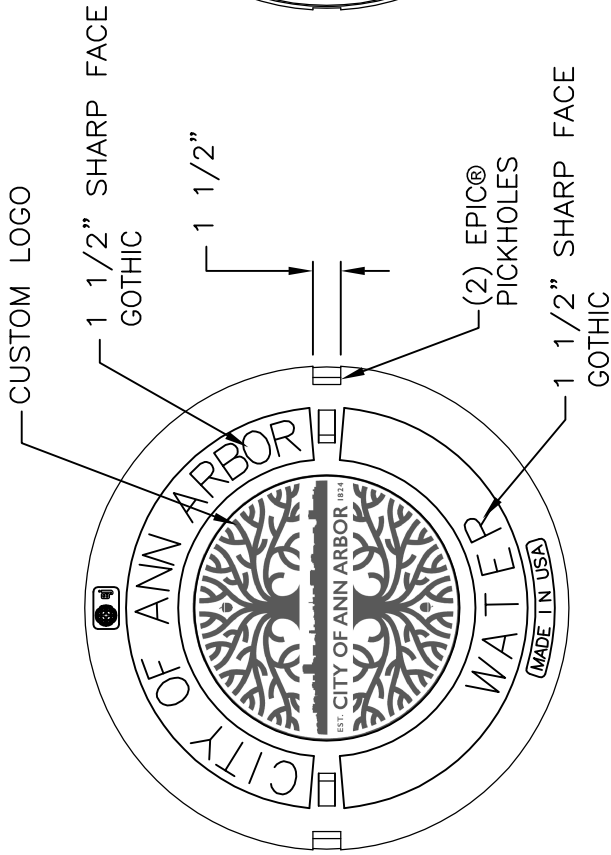
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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Contact

800 626 4653
ejco.com

1040A Cover



Product Number

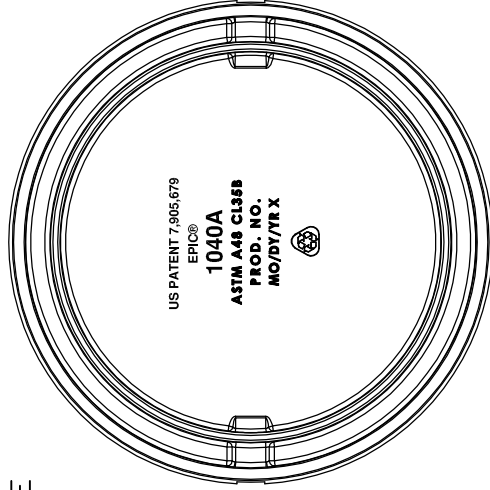
001040324

Design Features

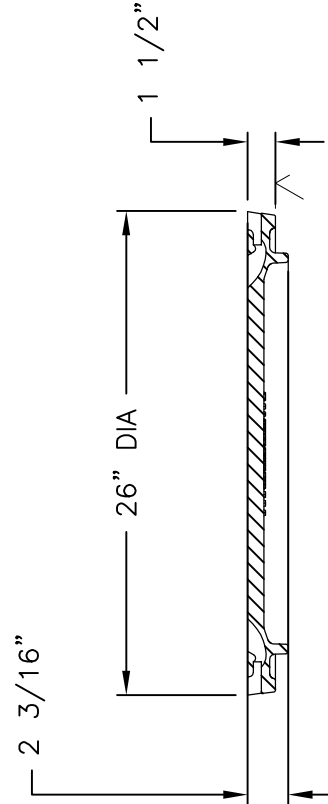
- Materials Gray Iron (CL35B)
- Design Load Heavy Duty
- Open Area n/a
- Coating Dipped
- Designates Machined Surface

Certification

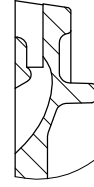
- ASTM A48
- Country of Origin: USA



BOTTOM VIEW



SECTION



EPICOR® DETAIL

Drawing Revision

5/4/2018 Designer: DAE
8/29/2018 Revised By: DAE

Disclaimer

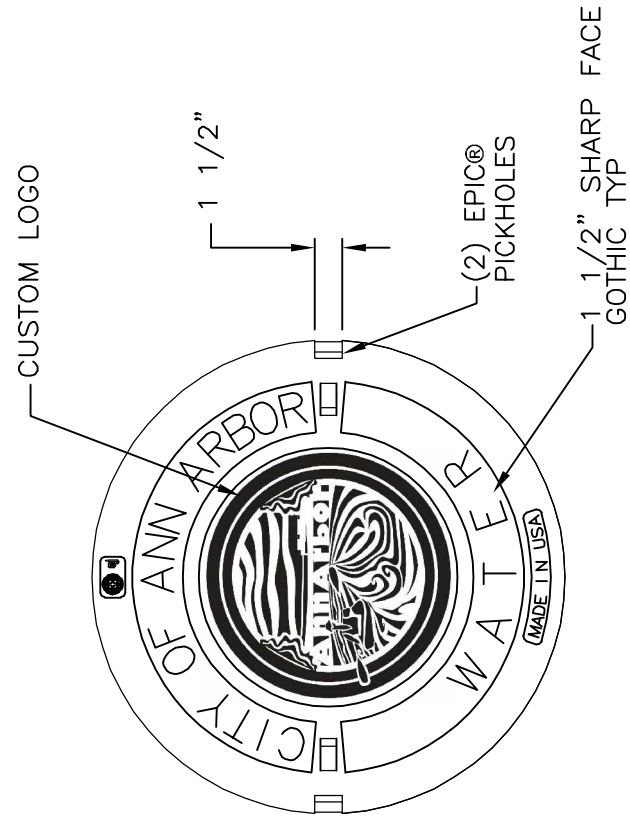
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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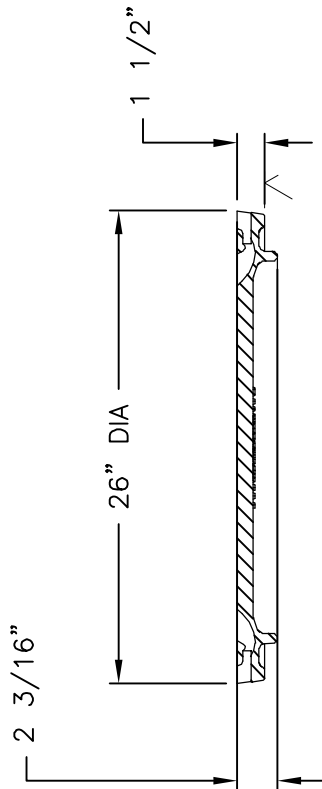
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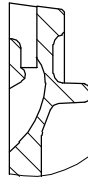
1040A Cover



BOTTOM VIEW



SECTION



EPIC® DETAIL

Product Number
001040570

- Design Features**
- Materials
Gray Iron (CL35B)
 - Design Load
Heavy Duty
 - Open Area
n/a
 - Coating
Undipped
 - Designates Machined Surface

- Certification**
- ASTM A48
 - Country of Origin: USA

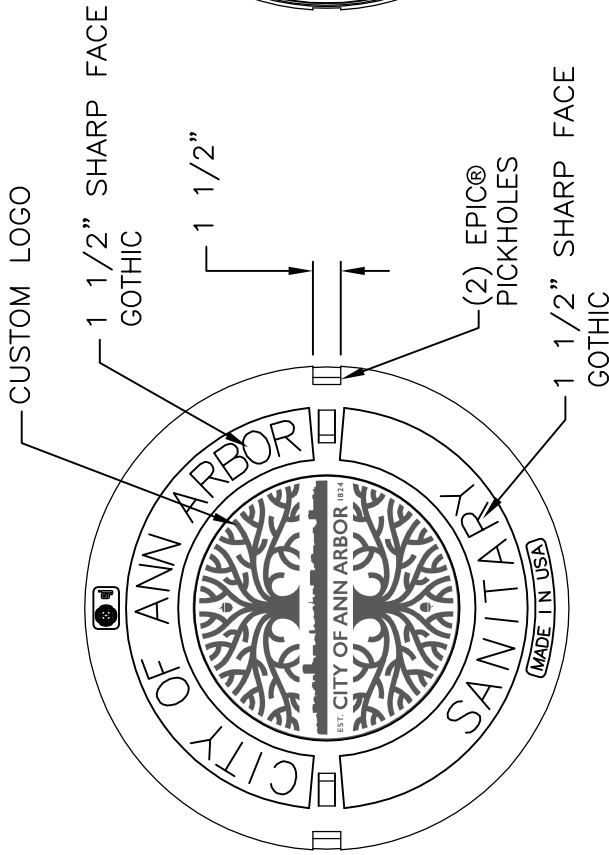
Drawing Revision
3/15/2018 Designer: MAH
1/8/2021 Revised By: MAH

Disclaimer
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1040AGS Cover

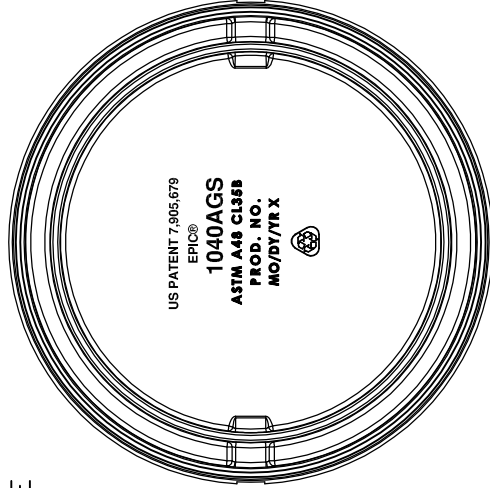


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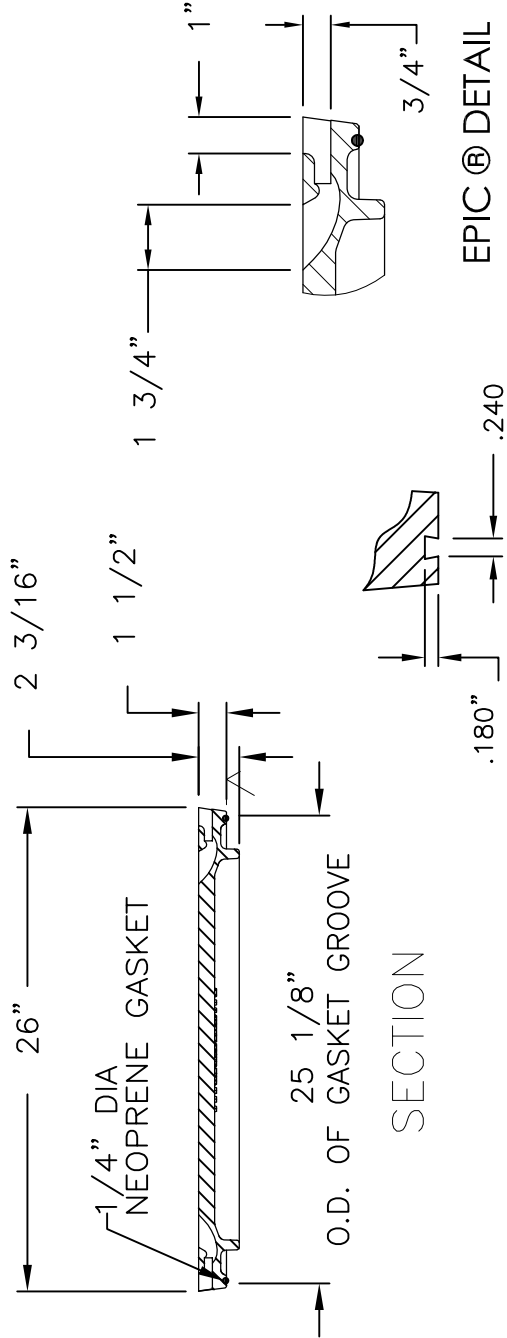
001040326

Design Features

- Materials Gray Iron (CL35B)
- Design Load Heavy Duty
- Open Area n/a
- Coating Dipped
- Designates Machined Surface



BOTTOM VIEW



SECTION

GROOVE DETAIL

EPIC® DETAIL

Drawing Revision

5/11/2018 Designer: DAE
8/29/2018 Revised By: DAE

Disclaimer

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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CITY OF ANN ARBOR
 DETAILED SPECIFICATION
 FOR
HOT MIX ASPHALT (HMA) APPLICATION ESTIMATE

AA:DAD

1 of 2

03/28/22

a. Description. Perform this work in accordance with the requirements of section 501 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, and as herein specified.

b. Materials.

PAY ITEM	HMA MIX	APPLICATION RATE	ESTIMATED THICKNESS	BINDER PERFORMANCE GRADE	AWI (min)
Shared Use Paths					
Shared use Path, HMA	5E1	385 lb/syd	3.5 inches	PG 64-28	220
Shared use Path, HMA, Wedging	5E1	Varies between 55 and 250 lb/syd	Varies between 0.5 and 2.25 inches	PG 64-28	N/A
Minor (Local) Streets					
(1) HMA, LVSP	LVSP (top)	220 lb/syd	2.0 inches	PG 58-28	220
	LVSP (leveling)	220 lb/syd	2.0 inches	PG 58-28	N/A
(2) HMA, LVSP	LVSP (top)	165 lb/syd or 220 lb/syd	1.5 inches or 2.0 inches	PG 58-28	220
(3) Hand Patching	LVSP	Varies maximum = 330 lb/syd	Varies - maximum = 3.0 inches	PG 58-28	N/A
(4) HMA Approach	LVSP	Place in two courses/lifts at 220 lb/syd	Varies maximum = 2.0 inches/lift	PG 58-28	220
HMA, Wedging, 36A	36A	Varies between 110 and 330 lb/syd	Varies between 1.0 and 3.0 inches	PG 58-28	220

- (1) Applies to streets where asphalt pavement removal and replacement is full depth.
- (2) Applies to streets where asphalt pavement removal and replacement is only partial depth. See construction scope and sequencing notes on subset cover sheets for removal and replacement depth/thickness on these streets.
- (3) The Contractor may use alternative top course E mixes for Hand Patching with approval by the Engineer. LVSP is approved for use only on minor (local) streets.
- (4) HMA Approach mix shall match that used for mainline paving (top course) on the street for which the adjacent side street approaches are being paved unless otherwise approved or directed by the Engineer.

Use the respective mixes indicated above on Major and Local streets unless the plans note otherwise or directed otherwise by the Engineer. Submit mix designs and obtain approval from the Engineer for all HMA mixtures proposed for use. For approach and hand patching work on Major Streets, use the same HMA mixture respectively as specified for the top course unless otherwise approved by the Engineer.

Use 3.5% as target air void content of for leveling courses, top courses and shoulders paved in the same operation as the leveling and top courses. Use 3% as a target air void content of for base courses and shoulders not paved in the same operation as the leveling and top courses. Use 3% as a target air void content of for shared use paths.

The Performance Grade asphalt binder range for the HMA mixture shall be as noted above. Apply Bond Coat material accordance with the requirements of the Detailed Specification for HMA Paving.

Apply bond coat at a uniform rate between 0.05 and 0.10 gallons per square yard as directed and approved by the Engineer. Bond Coat is not a separate pay item; the HMA items of work for which it applies include payment for furnishing and placing bond coat.

c. Measurement and Payment. Measure and pay for this work as provided elsewhere in the contract documents.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
BOLLARD

NCI:AK/PB:REL
AA: DAD

1 of 2

03/28/22

a Description. This work shall consist of constructing removable guard posts (Bollards) as shown on the plans or as directed by the Engineer in accordance with Section 807 of the Michigan Department of Transportation 2012 Standard Specifications for Construction, and as specified herein.

b Materials. Comply with Standard Specifications for Construction and this special provision.

1. Bollards shall include wood posts meeting the requirements of Section 912.08 of the 2012 Standard Specifications for Construction. The dimensions of the posts shall be as shown on the plans or as directed by the Engineer.
2. The concrete base shall be 8 inches thick and consist of P1 concrete meeting Michigan Department of Transportation Specifications. The concrete foundation shall be of MDOT grade S2 concrete.
3. The steel tube shall be factory galvanized. Damage to the galvanized surface shall be repaired according to subsection 716.03.E.
4. Hot-dip zinc coat all bolts, nuts, washers, and other hardware for the bollards according to AASHTO M 232.
5. The reflectors shall be of the colors shown in the plans and meet the reflectivity requirements of subsection 919.03.A.1

c. Construction. Auger or dig a foundation hole to the diameter and depth shown in the plans. A tolerance of ± 3 inches will be allowed for the depth of augered holes. Thoroughly ram the bottom of augered holes to provide a stable foundation.

Assemble the steel tube, #4 bars, steel angle, and post stop, and place in the hole. Plumb the tube, and brace as needed while backfilling the hole with grade S2 concrete.

The 8 inch thick concrete base shall be placed as directed by the Engineer with a top surface matching the elevation of the proposed path. The exposed surfaces of the concrete shall be finished according to subsection 803.03.C.

The wood post should not be placed in the tube until the concrete has sufficiently cured, as directed by the Engineer.

Affix steel angle to the wood post after placing the post in the tube to ensure that the post is resting on the stop. Reflectors must match the colors shown in the plans and be facing the correct directions.

d. Measurement and Payment. The completed work shall be paid for at the contract unit price for the following pay item:

<u>Pay Item</u>	<u>Pay Unit</u>
Bollard	Each

Bollard will be measured in place by the unit each and paid for at the unit price for each, which shall include all labor and equipment required to furnish, set, install, and secure the bollard, in accordance with the above specification.

CITY OF ANN ARBOR
 DETAILED SPECIFICATION
 FOR
TEMPORARY NO PARKING SIGNS

AA:DAD

1 of 1

03/28/22

a. Description. This work consists of installing, maintaining and removing of "No Parking" signs and posts as outlined herein and as referenced on the plans. Install "No Parking" signs in accordance with the section 812 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction Standard Specifications and the 2011 Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

b. Materials. The City will furnish "No Parking" signs to the Contractor at no cost. The Contractor will furnish the sign support and mounting hardware materials in accordance with those specified in section 919 of the MDOT 2012 Standard Specifications for Construction.

c. Construction. Place temporary "No Parking" signs prior to the commencement of any construction activity as directed by the Engineer. Obtain a permit for "Temporary Permission of Reserve Parking Lane for Work Related Purposes" from the City's Engineering Unit. Obtain this permit a minimum of five (5) business days prior to the posting of "No Parking" signs.

Securely bolt the signs to the sign supports as directed by the Engineer. Imbed all sign supports at least two feet into the ground and ensure that installations are stable and safe. Provide a minimum six feet and maximum seven feet of clearance between the bottom of the installed sign and the ground. Place signs at intervals no greater than 75 feet, and as necessary to eliminate parking in the construction area.

Install temporary "No Parking" signs be in accordance with the permit, as directed by the Engineer, and at least 48 hours prior to the proposed start-of-work/enforcement date. Cover temporary "No Parking" signs to allow for on-street parking until 48 to 24 hours prior to the start of the work. Cover temporary "No Parking" signs during non-working periods longer than 72 hours. Prior to beginning work and during construction, cover existing/permanent "No Parking" signs having messages that conflict with those that are temporary. Remove temporary "No Parking" signs and posts upon the completion of work at each location. Return signs to the City upon completion of all contract work, and/or when no longer needed.

d. Measurement and Payment. Measure and pay for the completed work, as described, at the contract unit price using the following pay item:

<u>Pay Item</u>	<u>Pay Unit</u>
Temporary No Parking Sign	Each

Measure **Temporary No Parking Sign** individually in place by the unit each and pay for it at the contract unit price, which price includes all cost for labor, equipment and materials necessary to complete the work. Measurement will be for the maximum number of signs installed on a project location at any one time. The unit price also includes the removal and return of "No Parking" signs to the City upon completion of the project, and the covering of any existing/permanent "No Parking" signs.

The City will back charge the Contractor for replacement costs associated with damaged and/or unreturned signs.

CITY OF ANN ARBOR
NOTICE TO PROPOSERS
UTILITY COORDINATION

AA:DAD

1 of 1

03/28/22

The contractor shall cooperate and coordinate construction activities with the owners of utilities as stated in Section 104.08 of the 2012 Michigan Department of Transportation (MDOT) Standard Specifications for Construction. In addition, for the protection of underground utilities, the contractor shall follow the requirements in Section 107.12 of the 2012 MDOT Standard Specifications for Construction. Contractor delay claims, resulting from a utility, will be determined based upon Section 109.05.E of the 2012 MDOT Standard Specifications for Construction.

For protection of underground utilities and in conformance with Public Act 174 of 2013, the contractor shall dial 800-482-7171 or 811 a minimum of three (3) full working days, excluding Saturdays, Sundays, and holidays prior to beginning construction in areas where utilities have not been previously located. The "Miss Dig" alert system will then routinely notify members to locate and mark their facilities. This, however, does not relieve the contractor of the responsibility of notifying utility owners that may not be a part of the system.

There will be no requirement for owners of public or private utilities to move their facilities on or from within the street right-of-way if those facilities will not interfere with the proposed project work and they do not present a hazard to the public or an extraordinary hazard to the Contractor's operations.

The City will not require utilities owners to move additional poles or structures in order to facilitate the operation of construction equipment unless the Engineer determines that such poles or structures constitute a hazard to the public or are dangerous to the Contractor's operations.

Private utility owners will complete any/all necessary relocations prior to construction.

The following is a list of Private and Public Utilities that may or may not have facilities located within the Right-of-Way. This list is for informational purposes only and is not an exhaustive list of utilities located within the Right-of-Way.

ATT – Telecommunications/Fiber Optic
550 South Maple Road
Ann Arbor, MI 48103
Contact: Jeff Lehman 734-996-5334

City of Ann Arbor – Water, Storm, Sanitary,
Telecommunications/Fiber Optic
W.R. Wheeler Service Center
4251 Stone School Road
Ann Arbor, MI 48108 734 794-6351

Comcast – Telecommunications/Fiber Optic
27800 Franklin Road
Southfield, MI 48034
Contact: Ron Sutherland 313-999-8300

DTE Energy – Electric & Street Lighting
8001 Haggerty Road
Belleville, MI 48111
Contact (Electric): Anthony Ignasiak 734-397-44447
Contact (Lighting): Lance Alley 734-397-4188

DTE Energy – Gas
3150 E. Michigan Ave
Ypsilanti Township, MI 48198
Contact: Robert Czapiewski 734-544-7818

MCI – Telecommunications/Fiber Optic
2800 North Glenfille Road
Richardson, TX 75082
Contact: Dean Boyers 972-729-6016

CITY OF ANN ARBOR
NOTICE TO PROPOSERS
PROJECT COORDINATION

AA:DAD

1 of 1

03/28/22

The City of Ann Arbor hereby notifies the Contractor of several independent construction projects within the local vicinity of, or directly adjacent to, the Construction Influence Area (CIA) of the project locations listed below. These projects may affect various work activities, maintenance of traffic (MOT), and/or trucking operations involved with these locations. The City anticipates construction of these independent project during the same timeframe as this project.

- Sunrise Court and Sunrise Street project locations CIA and MOT; Coordinate with City of Ann Arbor Miscellaneous Utility Project new water main construction on Sunrise Court.
- Willard Street project location CIA and MOT Coordinate with City of Ann Arbor Street Preventative Maintenance Project work on S Forest Avenue.
- S State Street Shared Use Path project location CIA and MOT Coordinate with City of Ann Arbor Street Preventative Maintenance Project work on S State Street and W Eisenhower Parkway.

The above is not necessarily a complete listing of all area projects that could potentially impact this one. Prior to commencing with any construction, the Contractor shall verify with the City the presence of any other concurrent public or permitted projects within the vicinity.

The Contractor shall coordinate its work on this project with that by Contractor(s) on all other projects within the local vicinity, as directed by the Engineer. The Engineer will make no additional compensation or adjustments to contract unit prices for costs incurred by the Contractor due to coordinating with or delays caused by other projects.

**CITY OF ANN ARBOR
LIVING WAGE ORDINANCE DECLARATION OF COMPLIANCE**

The Ann Arbor Living Wage Ordinance (Section 1:811-1:821 of Chapter 23 of Title I of the Code) requires that an employer who is (a) a contractor providing services to or for the City for a value greater than \$10,000 for any twelve-month contract term, or (b) a recipient of federal, state, or local grant funding administered by the City for a value greater than \$10,000, or (c) a recipient of financial assistance awarded by the City for a value greater than \$10,000, shall pay its employees a prescribed minimum level of compensation (i.e., Living Wage) for the time those employees perform work on the contract or in connection with the grant or financial assistance. The Living Wage must be paid to these employees for the length of the contract/program.

Companies employing fewer than 5 persons and non-profits employing fewer than 10 persons are exempt from compliance with the Living Wage Ordinance. If this exemption applies to your company/non-profit agency please check here No. of employees__

The Contractor or Grantee agrees:

- (a) To pay each of its employees whose wage level is not required to comply with federal, state or local prevailing wage law, for work covered or funded by a contract with or grant from the City, no less than the Living Wage. The current Living Wage is defined as \$14.82/hour for those employers that provide employee health care (as defined in the Ordinance at Section 1:815 Sec. 1 (a)), or no less than \$16.52/hour for those employers that do not provide health care. The Contractor or Grantor understands that the Living Wage is adjusted and established annually on April 30 in accordance with the Ordinance and covered employers shall be required to pay the adjusted amount thereafter to be in compliance with Section 1:815(3).

Check the applicable box below which applies to your workforce

Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage without health benefits

Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage with health benefits

- (b) To post a notice approved by the City regarding the applicability of the Living Wage Ordinance in every work place or other location in which employees or other persons contracting for employment are working.
- (c) To provide to the City payroll records or other documentation within ten (10) business days from the receipt of a request by the City.
- (d) To permit access to work sites to City representatives for the purposes of monitoring compliance, and investigating complaints or non-compliance.
- (e) To take no action that would reduce the compensation, wages, fringe benefits, or leave available to any employee covered by the Living Wage Ordinance or any person contracted for employment and covered by the Living Wage Ordinance in order to pay the living wage required by the Living Wage Ordinance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services or agrees to accept financial assistance in accordance with the terms of the Living Wage Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Living Wage Ordinance, obligates the Employer/Grantee to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract or grant of financial assistance.

Company Name

Street Address

Signature of Authorized Representative

Date

City, State, Zip

Print Name and Title

Phone/Email address

**CITY OF ANN ARBOR
LIVING WAGE ORDINANCE**

RATE EFFECTIVE APRIL 30, 2022 - ENDING APRIL 29, 2023

\$14.82 per hour

If the employer provides health care benefits*

\$16.52 per hour

If the employer does **NOT** provide health care benefits*

Employers providing services to or for the City of Ann Arbor or recipients of grants or financial assistance from the City of Ann Arbor for a value of more than \$10,000 in a twelve-month period of time must pay those employees performing work on a City of Ann Arbor contract or grant, the above living wage.

ENFORCEMENT

The City of Ann Arbor may recover back wages either administratively or through court action for the employees that have been underpaid in violation of the law. Persons denied payment of the living wage have the right to bring a civil action for damages in addition to any action taken by the City.

Violation of this Ordinance is punishable by fines of not more than \$500/violation plus costs, with each day being considered a separate violation. Additionally, the City of Ann Arbor has the right to modify, terminate, cancel or suspend a contract in the event of a violation of the Ordinance.

* Health Care benefits include those paid for by the employer or making an employer contribution toward the purchase of health care. The employee contribution must not exceed \$.50 an hour for an average work week; and the employer cost or contribution must equal no less than \$1/hr for the average work week.

The Law Requires Employers to Display This Poster Where Employees Can Readily See It.

**For Additional Information or to File a Complaint contact
Colin Spencer at 734/794-6500 or cspencer@a2gov.org**

Revised 2/1/2022



CITY OF ANN ARBOR ENGINEERING

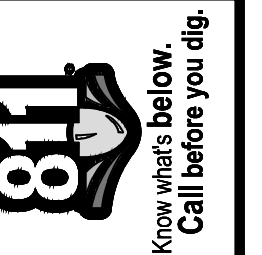
STREET RESURFACING PROJECT - 2022

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS, ITS DETAILS, WHICH ARE INCLUDED BY REFERENCE, AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.

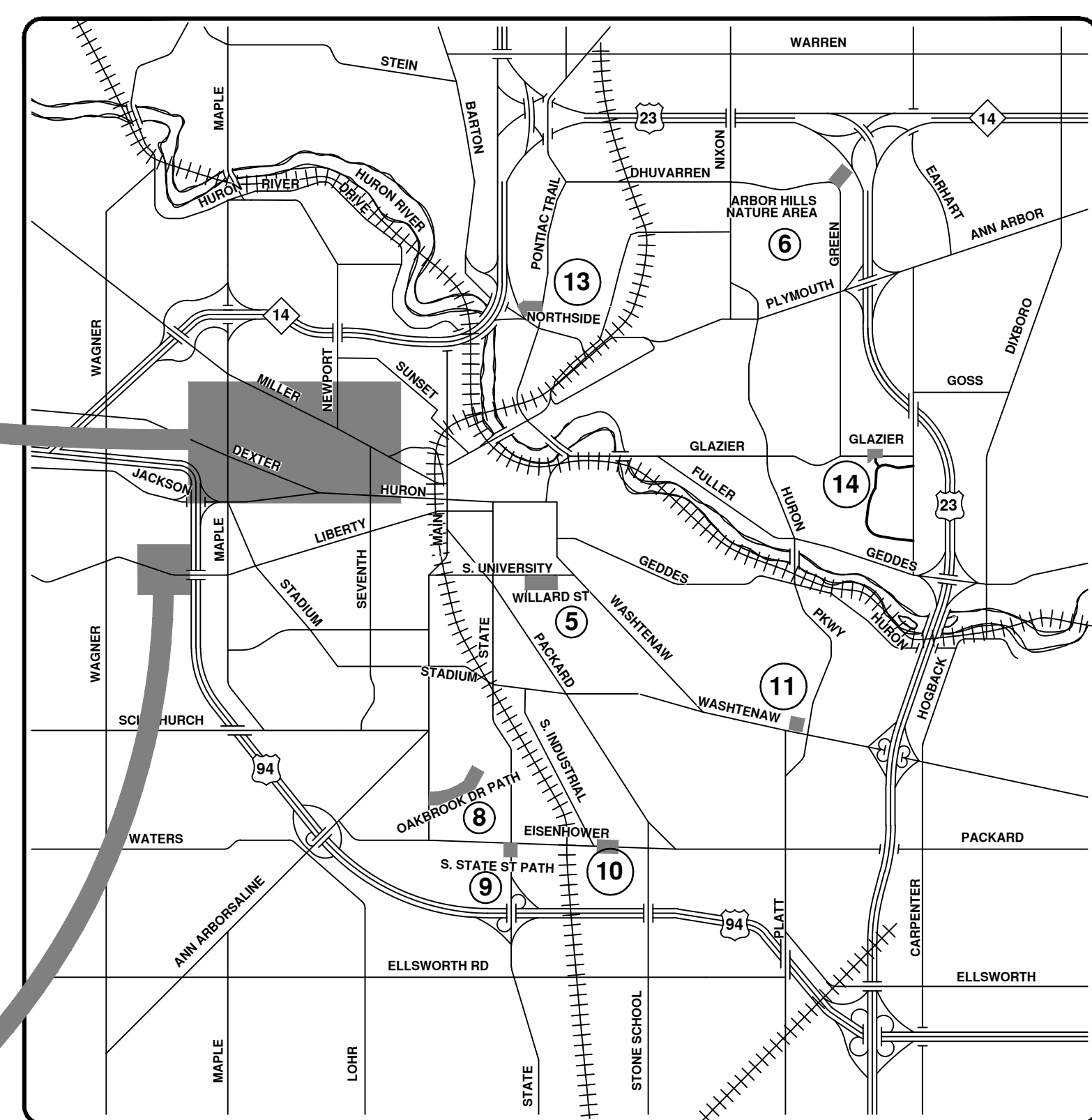
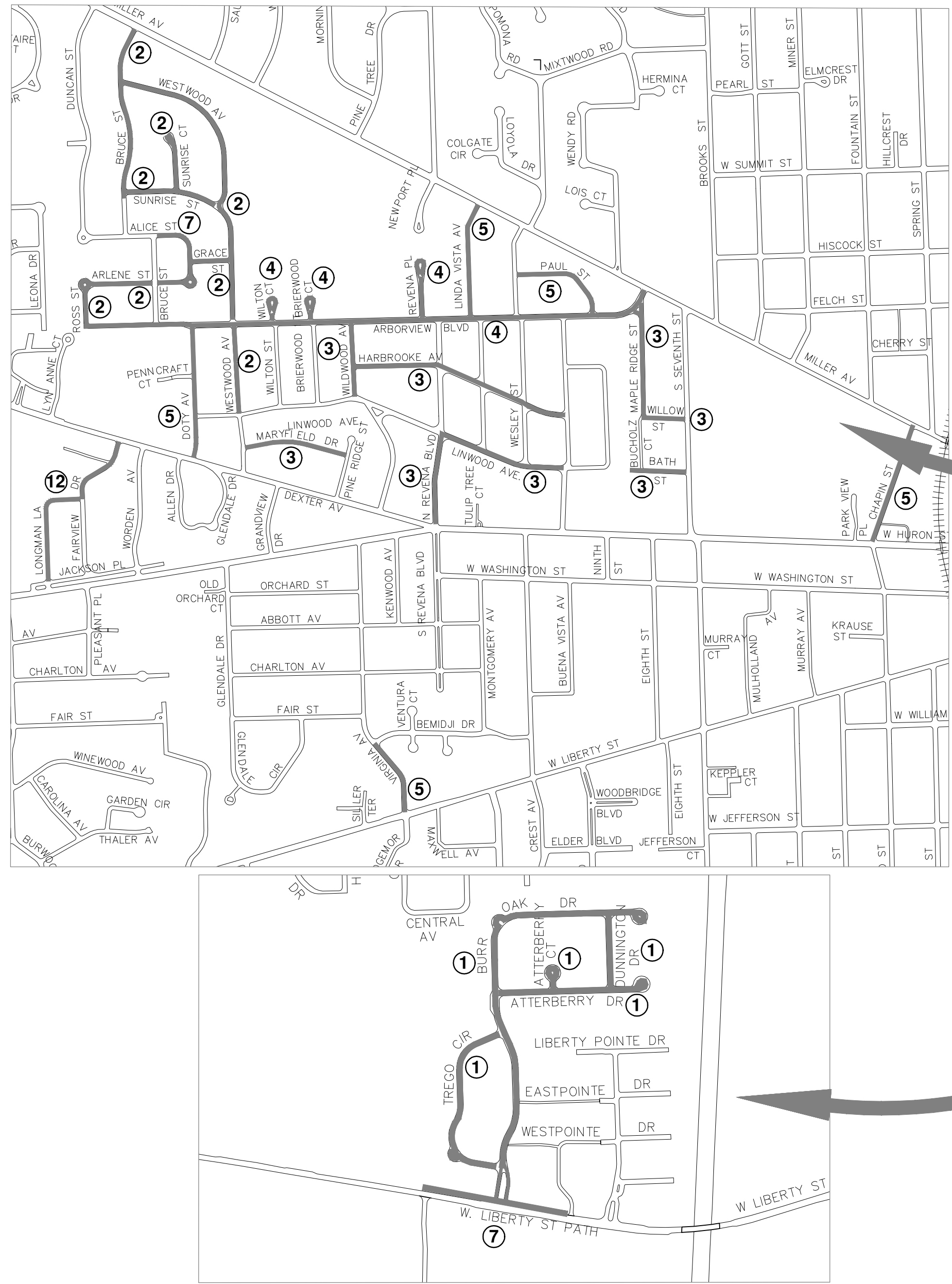
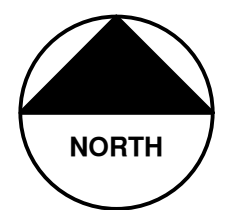


01	ADDENDUM 01	AG/CE/OS	DAD	CHECKED
00	RFP SET	AG/CE/OS	DAD	DRAWN
		DATE		DESCRIPTION

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
www.aagov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
COVER SHEET
SCALE: NTS
DRAWING No. 2022-004-1
SHEET No. 1 OF 61

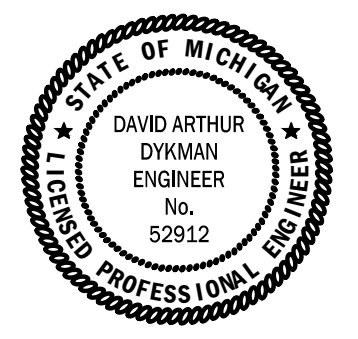
RFP NO. 22-26, FILE No. 2022-004



VICINITY MAP

SHEET INDEX		
SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
1	COVER SHEET	
2	NOTES AND MISCELLANEOUS QUANTITIES	
3-5	DETAILS	
4	SOIL EROSION AND SEDIMENTATION CONTROL (SESC) NOTES AND DETAILS	
5-6	LOCAL STREET TRAFFIC CONTROL PLANS	
7-16	TRAFFIC CALMING DETAIL	
17-22	PHASE 1 - ATTERBERRY CT, ATTERBERRY DR, BURROAK DR, DUNNINGTON DR & TREGO CIR	1
23-31	PHASE 2 - ALICE ST, ARLENE ST, BRUCE ST, GRACE ST, ROSS ST, SUNRISE CT, SUNRISE ST & WESTWOOD AVE	2
32-40	PHASE 3 - BATH ST, HARBRooke AVE, LINWOOD AVE, MAPLE RIDGE ST, MARYFIELD DR, N REVENA BLVD, WILDWOOD AVE & WILLOW ST	3
41-45	PHASE 4 - ARBORVIEW BLVD, BRIERWOOD CT, REVENA PL & WILTON CT	4
46-52	PHASE 5 - CHAPIN ST, DOTY AVE, LINDA VISTA ST, PAUL ST, VIRGINIA AVE & WILLARD ST	5
53	ARBOR HILLS NATURE AREA ASPHALT PATH RESURFACING/ REHABILITATION	6
54	W. LIBERTY RD ASPHALT PATH RESURFACING/ REHABILITATION	7
55	OAKBROOK DR ASPHALT PATH TO CONCRETE SIDEWALK CONVERSION	8
56	S. STATE STREET ASPHALT PATH RESURFACING/ REHABILITATION	9
57	E. EISENHOWER PKWY ASPHALT PATH TO CONCRETE SIDEWALK CONVERSION	10
58	WASHTENAW AVE ASPHALT PATH RESURFACING/ REHABILITATION	11
59	LONGMAN LN & FAIRVIEW DR TRAFFIC CALMING	12
60	NORTHSIDE AVE TRAFFIC CALMING	13
61	GLAZIER WAY & TREMONT DR PEDESTRIAN CROSSING IMPROVEMENTS	14

PREPARED UNDER THE SUPERVISION OF
David Arthur Dykman
DAVID ARTHUR DYKMAN, P.E. - MI LICENSE No. 52912
PROJECT MANAGER
03/25/2022
DATE



GENERAL NOTES:

1. Driveways and entrances to buildings, real property, and the like shall not be blocked except for short durations and only when approved by the Engineer. Vehicular and pedestrian access shall be maintained at all times. It shall be the Contractor's responsibility to coordinate all necessary driveway closures with the property owner(s) and resident(s) in the areas of construction.
2. The location and depth of all existing utilities and service leads are to be field verified by the Contractor prior to construction.
3. During non-working hours no more than ten (10) feet of trench shall remain open; any open trench shall be properly secured with protective fencing. This work shall be included in the items of work being undertaken and will not be paid for separately.
4. The location of material stock piles and on-site staging areas shall be approved by the Engineer.
5. For mainline HMA Paving, the width of the mat for each pass of the paver shall be not less than 10.5', nor greater than 16', except as noted in the plans and as directed by the Engineer. The Engineer will direct the layout of all HMA Longitudinal Joints during construction.
6. All excavation required to construct sidewalk and sidewalk ramps shall be included in the contract pay item "Grading, Sidewalk and Sidewalk Ramps".
7. Some storm sewer may unavoidably become damaged during construction, or it may be determined by the Engineer that existing storm sewer needs to be replaced. In either case the Engineer may direct the sewer to be removed and replaced. The removal of existing sewer and drainage structures, as required, shall be included in the respective contract pay items "Sewer, Rem, Less than 24 inch" and "Dr Structure, Rem". The replacement sewer shall be installed and paid for at the corresponding contract unit price, if contained within the contract, for the various types and sizes of sewer to be replaced.
8. The Contractor shall remove and stockpile on site at a location mutually agreed upon by the Contractor and Engineer any/all existing City owned structure covers designated for salvage, and within two days of their removal deliver them to the W.R. Wheeler Service Center (4251 Stone School Rd, Ann Arbor, MI). Any structure covers not designated for salvage shall become the property of the Contractor and disposed of, as required, by the Contractor.
9. Payment for drainage structure sumps where specified shall be included in the payment for the various drainage structures sizes and/or types.
10. Where pipes of different sizes or materials are joined, Fernco Flexible Couplings with stainless steel shear rings shall be used. The Contractor's purchase price for these devices, including shipping, shall be paid as an extra. Prior to payment for this item, the Contractor shall submit receipts for the Engineer's review and approval. All other costs associated with the installation of these devices shall be included in the payment for the sewer.
11. Where storm sewer is to be removed and replaced or added, all pipe shall be installed using the utility trench details shown elsewhere in the plan sheets and/or detailed in the specifications. Trench Details I and V require the use of MDOT Class II Granular Material.
12. If the Contractor encounters existing edge drain(s) during construction of the proposed edge drains, inlet leads, or catch basins, it shall be capped at each end to prevent material from entering the pipe. The cost of this work will not be paid for separately, but shall be included in the particular item of work being performed when existing edge drain(s) are encountered.
13. In areas where edge drain cannot be installed in accordance with the details, the edge drain shall be installed at the depth as indicated on the plans, or as directed by the Engineer. In no case shall the edge drain be installed at a grade less than 0.50% or at a depth less than 6 inches above the invert of the lowest outlet pipe.
14. Existing street name signs, guide, bus stop, and regulatory signs which conflict with the proposed construction shall be removed prior to construction, stored in a manner which will prevent damage, and re-set in locations as directed by the Engineer. This work will not be paid for separately, but shall be included in the contract pay item "Minor Traf Devices."
15. All curb, sidewalk, driveway approach removals shall be approved by the Engineer before the work is performed.
16. Place 4 inches (minimum) thickness Granular Material Class II compacted to 95% of its max. dry density under concrete sidewalk as shown on the details. This work shall be included in the contract item "Subbase, CIP."
17. Place 6 inches (minimum) Granular Material Class II compacted to 95% of its max. dry density under concrete driveway approaches, and 6 inches (minimum) Dense-Graded Aggregate 21AA compacted to 98% of its max. dry density under HMA driveway approaches. This work shall be included in the respective contract pay items "Subbase, CIP" and "Aggregate Base, 6 inch, Modified".
18. A uniform coat(s) of curing compound shall be applied according to the Standard Specifications and Special Provisions regardless of the difficulty involved. The Contractor shall take care to prevent overspray when applying curing compound. Several different methods may need to be developed to protect various situations, but all methods used to prevent overspray of the curing compound shall be completely effective. Methods used shall be approved by the Engineer prior to use, however approval of a method does not guarantee success or acceptability. No additional compensation shall be made for complying with these requirements.

PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

PERMIT	ISSUING AUTHORITY
LANE CLOSURE PERMIT*	CITY OF ANN ARBOR ENGINEERING
"NO PARKING" SIGNS PERMIT*	CITY OF ANN ARBOR ENGINEERING
GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
RIGHT-OF-WAY PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
* NO COST TO CONTRACTOR	

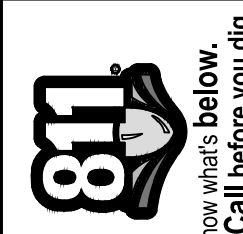
PERMITS REQUIRED TO BE OBTAINED BY THE CITY OF ANN ARBOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

PERMIT	ISSUING AUTHORITY
EGLE WATER MAIN CONSTRUCTION PERMIT	MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
EGLE SANITARY SEWER CONSTRUCTION PERMIT	MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CONTACT INFORMATION

PUBLIC UTILITIES	OWNER	CONTACT
WATER		
SANITARY		
STORM	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
FORESTRY		
SIGNS SIGNALS STREET LIGHTS		MARK MORENO (734) 794-6361

PRIVATE UTILITIES	OWNER	CONTACT
GAS	DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198	ROBERT CZAPIEWSKI (734) 544-7818
ELECTRIC	DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	ANTHONY IGNASIAK (734) 397-4447
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	RON SOUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	MARC GOODPELL (313) 405-0574
FIBER OPTIC	MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082	DEAN BOYERS (972) 729-6016
FIBER OPTIC	WINDSTREAM 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532	GREG SERICH (810) 244-3500
STREET LIGHTING	DTE ENERGY 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	LANCE ALLEY (734) 397-4188



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	ADDENDUM 01		
	RFP SET		
	01	00	

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 864
ANN ARBOR MI 48110
734-794-6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

STREET RESURFACING PROJECT - 2022

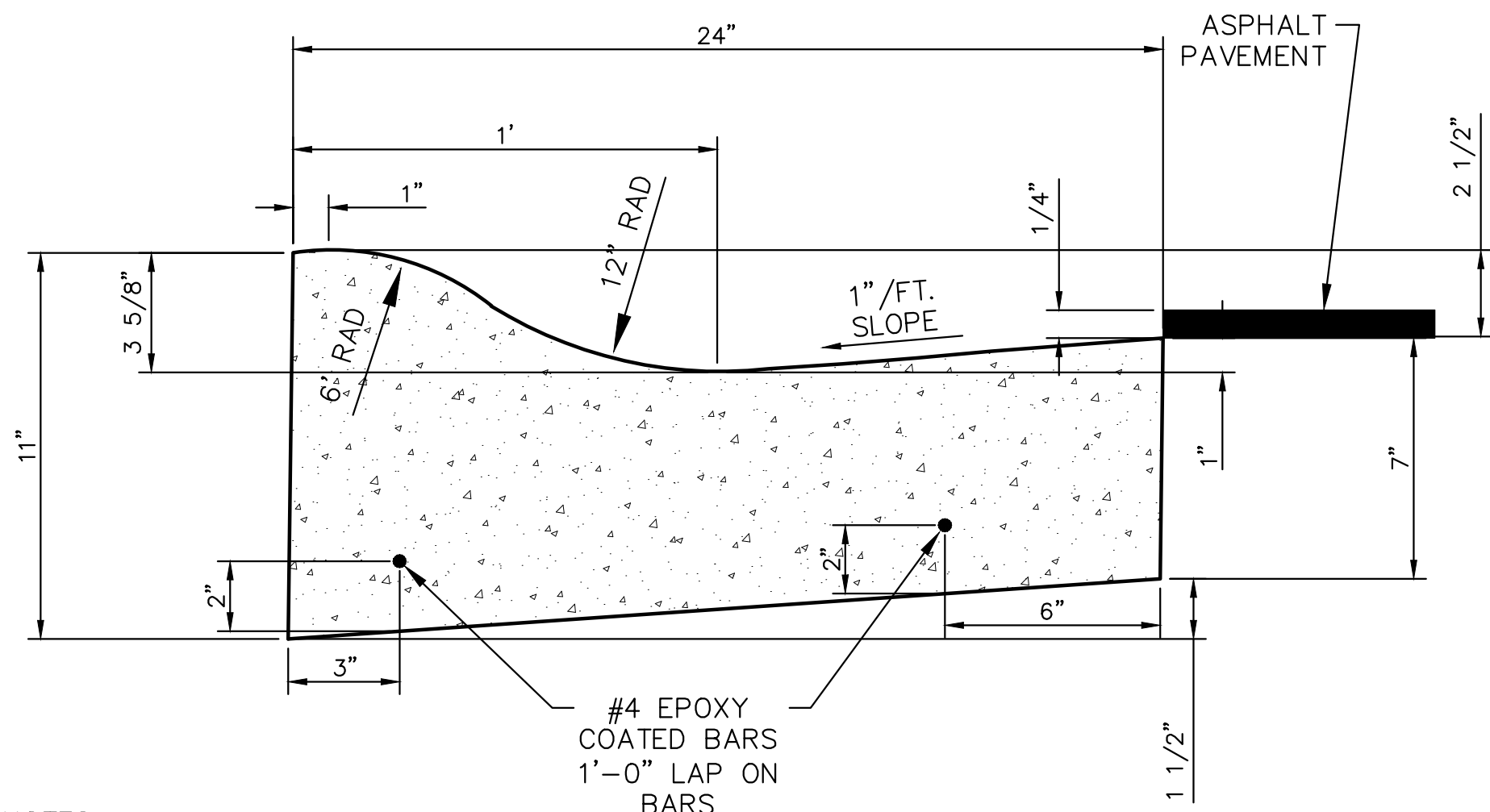
NOTES & MISCELLANEOUS QUANTITIES

SCALE: NTS

DRAWING No. 2022-004-2

SHEET No. 2 OF 61

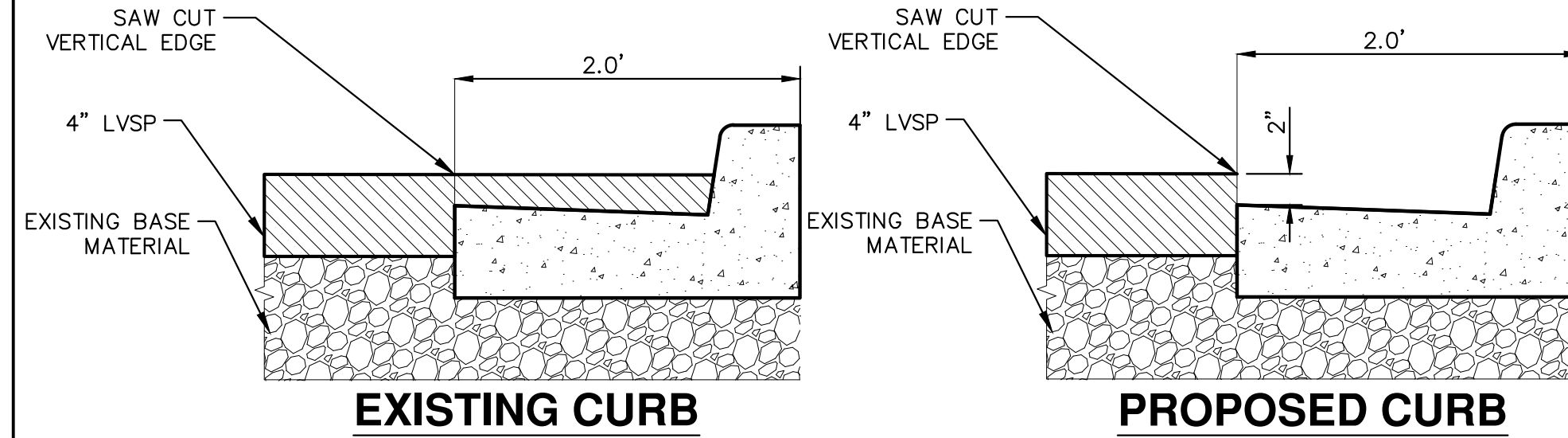
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NOTES:

- FRONT EDGE OF INLET CASTINGS SHALL BE FLUSH WITH FRONT EDGE OF GUTTER (EDGE-OF-METAL).
- THIS DETAIL SHALL BE USED FOR MOUNTABLE CURB AND GUTTER ON ASPHALT STREETS. SEE SD-R-3 FOR MOUNTABLE CURB AND GUTTER ON CONCRETE STREETS.

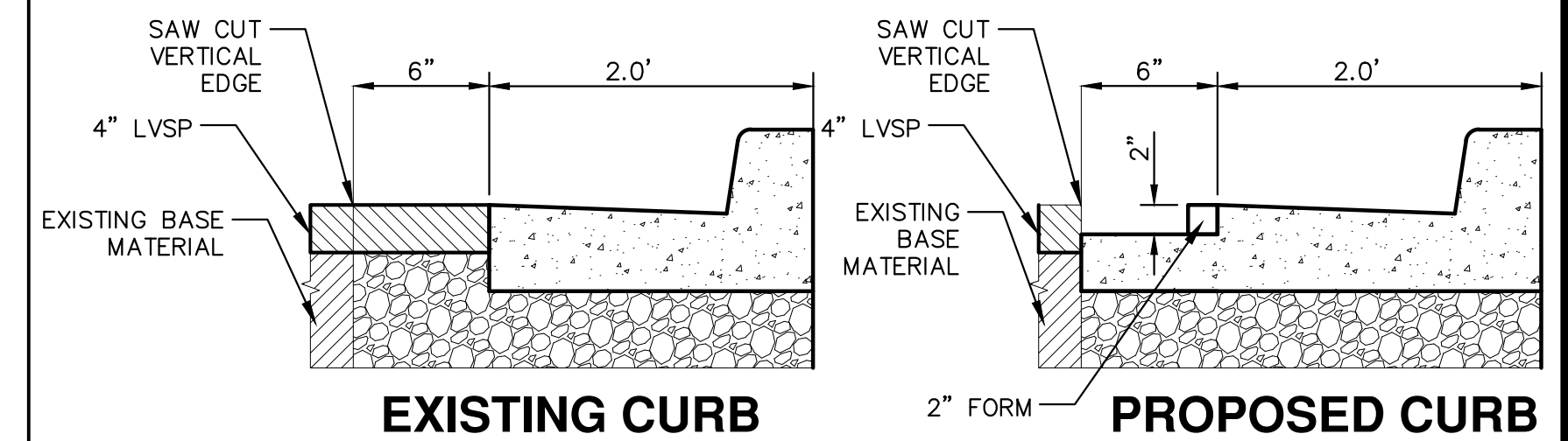
MOUNTABLE CURB & GUTTER FOR ASPHALT STREETS SD-R-2



NOTES:

- SAWCUT A VERTICAL EDGE 2' FROM BACK OF CURB.
- REMOVE CURB THIS INCLUDES THE HMA IN GUTTER-PAN.
- EXCAVATE DOWN TO OBTAIN GRADE FOR FULL WIDTH OF EXISTING SAW CUT TAKING CARE NOT TO DAMAGE THE HMA EDGE.
- PLACE BACK FORMS TO ALIGN WITH EXISTING CURB ON EACH SIDE, POUR CONCRETE USING THE HMA EDGE AS A FORM LEAVING THE CONCRETE A MINIMUM OF 2" DOWN FROM EXISTING HMA ROAD GRADE, UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
- ANY NON VERTICAL EDGES WILL BE APPROVED BY INSPECTION PRIOR TO POURING CURB, THE NEED TO SAW CUT OUT TO TWO FOOT TO CLEAN UP THE EDGE AND PATCH BACK IN WITH HMA MAY BE NEEDED.

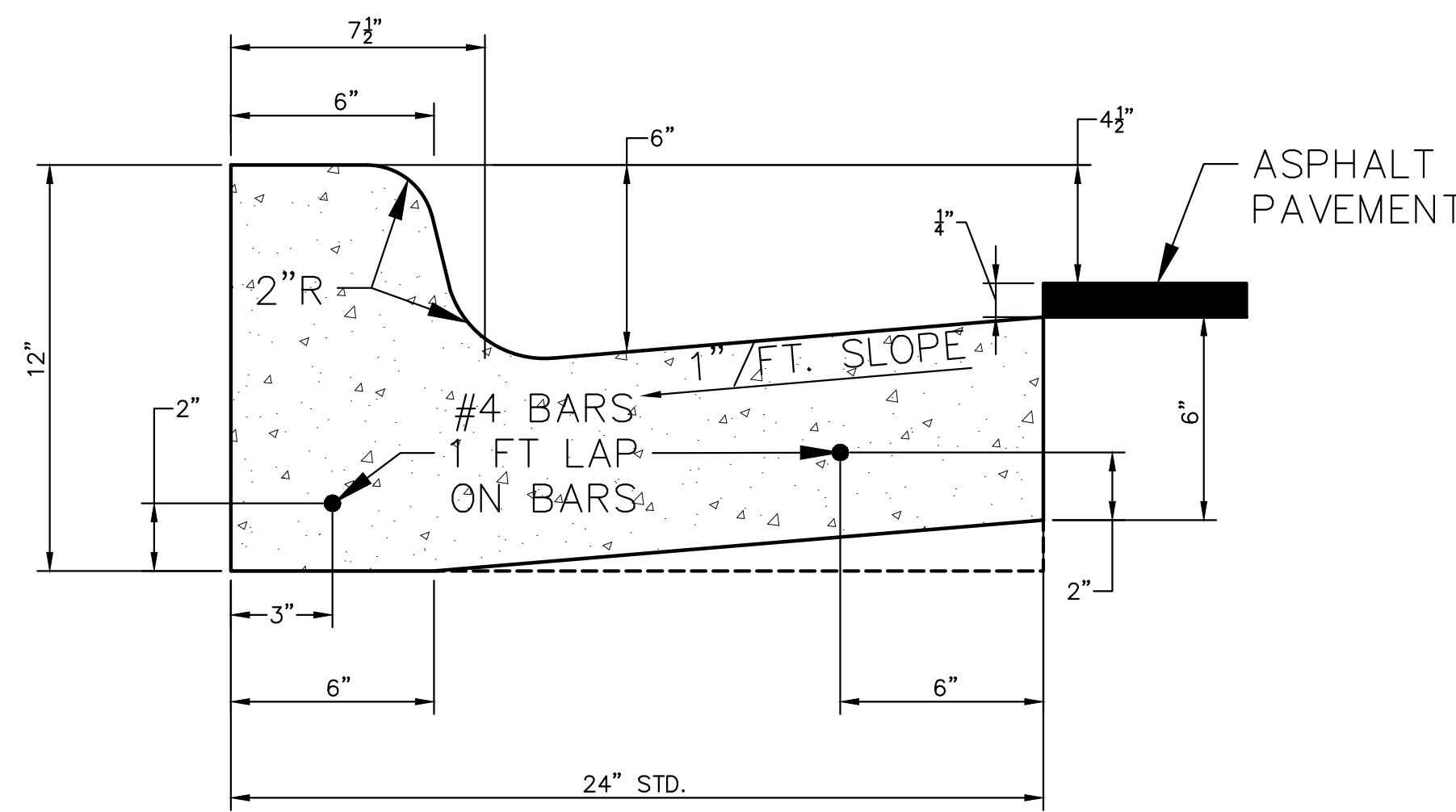
CURB REMOVAL & REPLACE OVERLAID MODIFIED



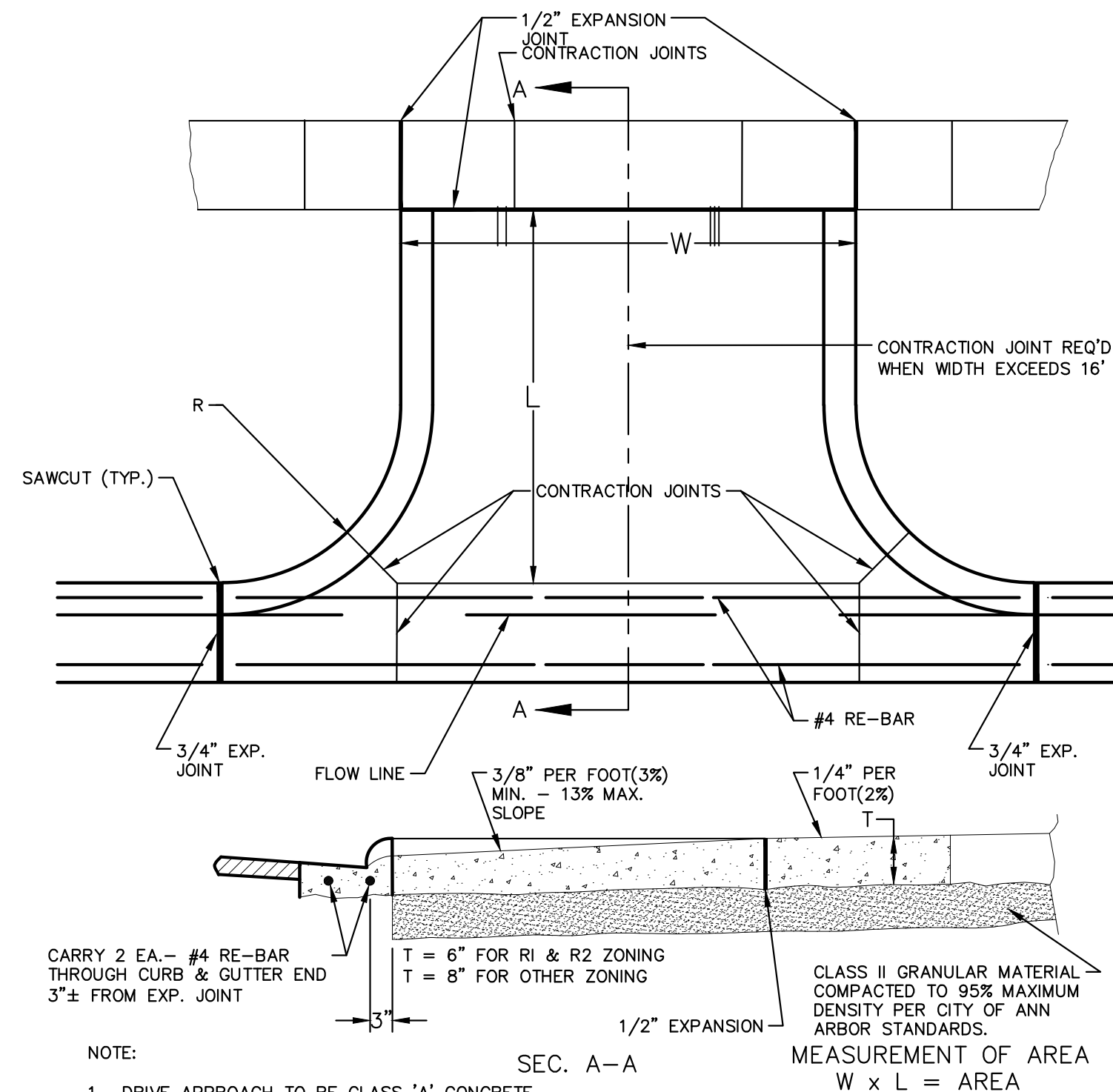
NOTES:

- SAWCUT A VERTICAL EDGE 2.5' FROM BACK OF CURB.
- REMOVE CURB AND 6" OF HMA IN FRONT OF CURB.
- EXCAVATE DOWN TO OBTAIN GRADE FOR FULL WIDTH OF TRENCH.
- PLACE BACK FORMS AT 2' FROM THE BACK FORM PLACE A 2" FORM (TOP OF FORM TO BE FLUSH WITH WHERE EDGE OF METAL IS TO BE AT THE CORRECT ELEVATION ALLOWING TO CREATE A 2" STEP). POUR CONCRETE MONOLITHICALLY OUT TO THE EXISTING HMA LEAVING IT 2" DOWN FROM THE NEW EDGE OF METAL AND THE EXISTING HMA
- ANY NON VERTICAL EDGES WILL BE APPROVED BY INSPECTION PRIOR TO POURING CURB, THE NEED TO SAW CUT TO CLEAN UP THE EDGE MAY BE NEEDED.

CURB REMOVAL & REPLACE NON-OVERLAID MODIFIED



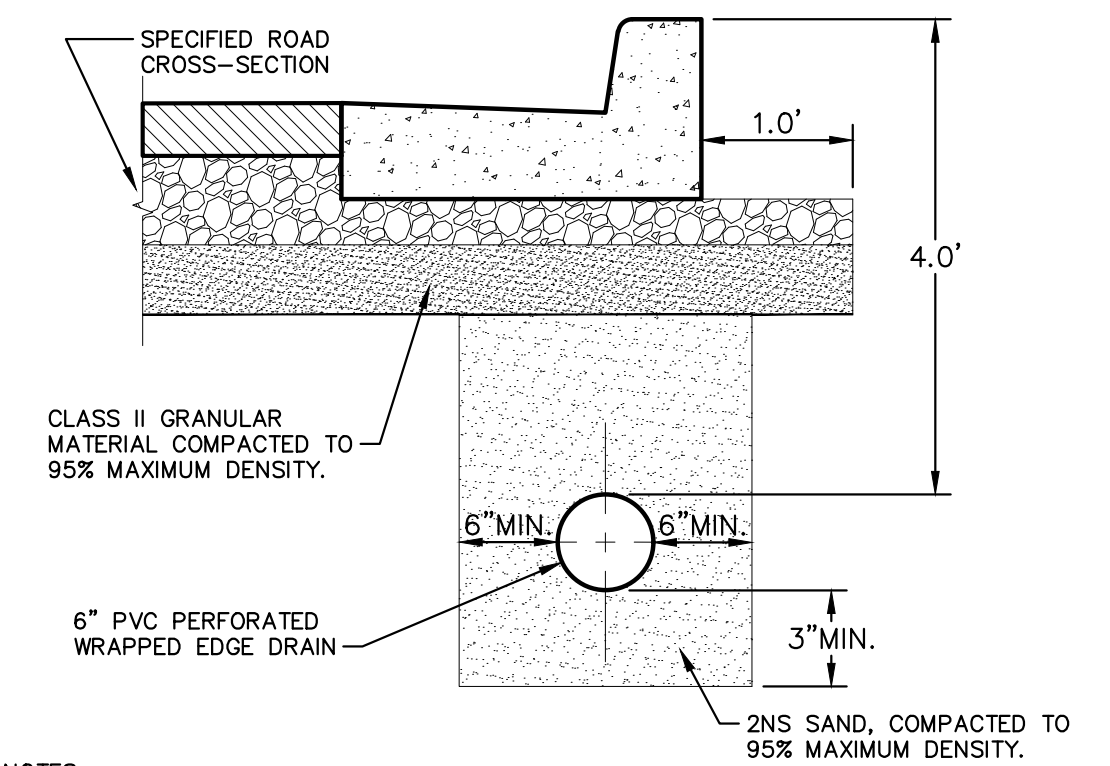
BARRIER CURB AND GUTTER SD-R-1



NOTE:

- DRIVE APPROACH TO BE CLASS 'A' CONCRETE.
- R(RADIUS) AND W(DRIVE WIDTH) AS REQUIRED FOR ZONING BY CITY CODE
- IF GUTTER IS OVERLAID, GUTTER OF THE APPROACH SHALL BE AT SAME ELEVATION AS EXISTING GUTTER AND ASPHALT WEDGE SHALL BE PLACED IN THE APPROACH.

TYPE 'M' DRIVE APPROACH SD-R-6



NOTES:

- FOR PAVEMENT BASE AND SUBBASE THICKNESS, SEE TYPICAL PAVEMENT CROSS-SECTION.
- DENSITY TESTING PER CITY OF ANN ARBOR SPECIFICATIONS.
- TRENCH DETAILS SHOW TYPE OF BACKFILL AND SURFACE RESTORATION, ONLY.
- ALL TRENCHING TO CONFORM TO ALL APPLICABLE M.I.O.S.H.A. STANDARDS.

TYPICAL EDGE DRAIN TRENCH SD-TD-10



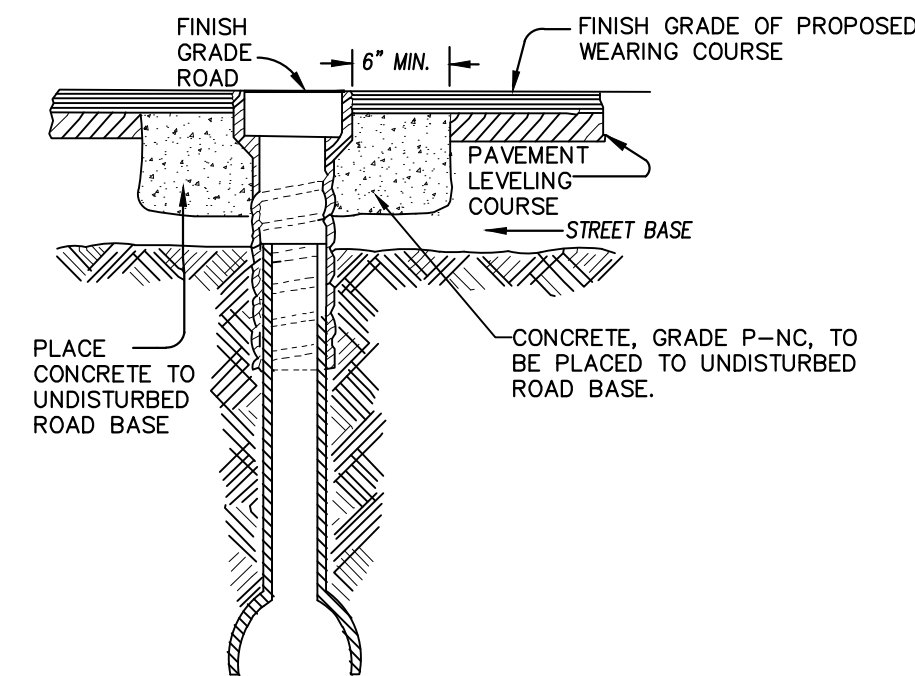
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CITY OF ANN ARBOR
PUBLIC SERVICES
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022

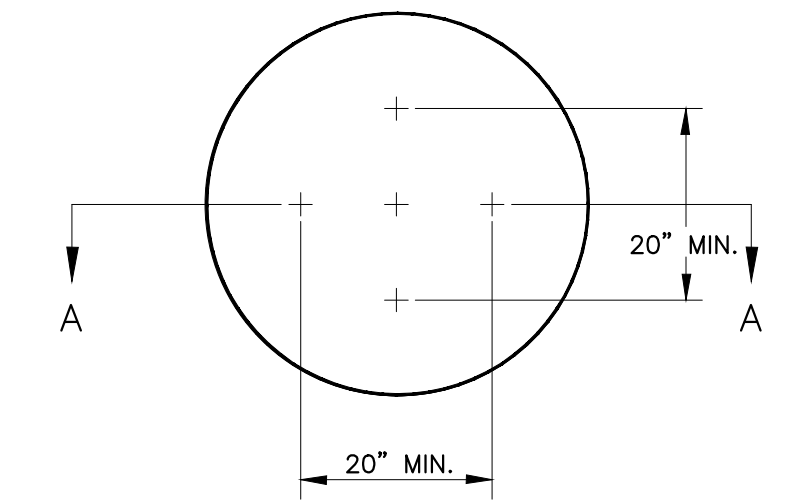
SHEET No. 3 OF 61



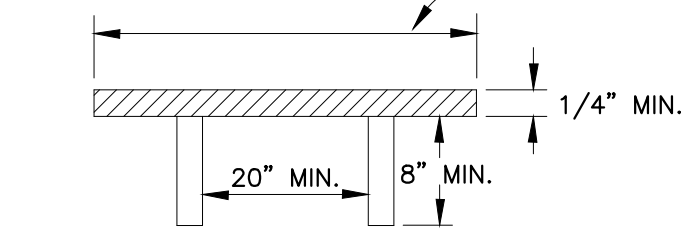
NOTE: RAISE CASTING TO PROPOSED FINISH STREET GRADE AFTER PLACEMENT OF LEVELING COURSE(S) AND PRIOR TO PLACING FINAL SURFACE COURSE

CITY OF ANN ARBOR STANDARD SD-GU-7 APPLIES TO: SEE PLANS FOR LOCATIONS

WATER VALVE BOX ADJUSTMENT

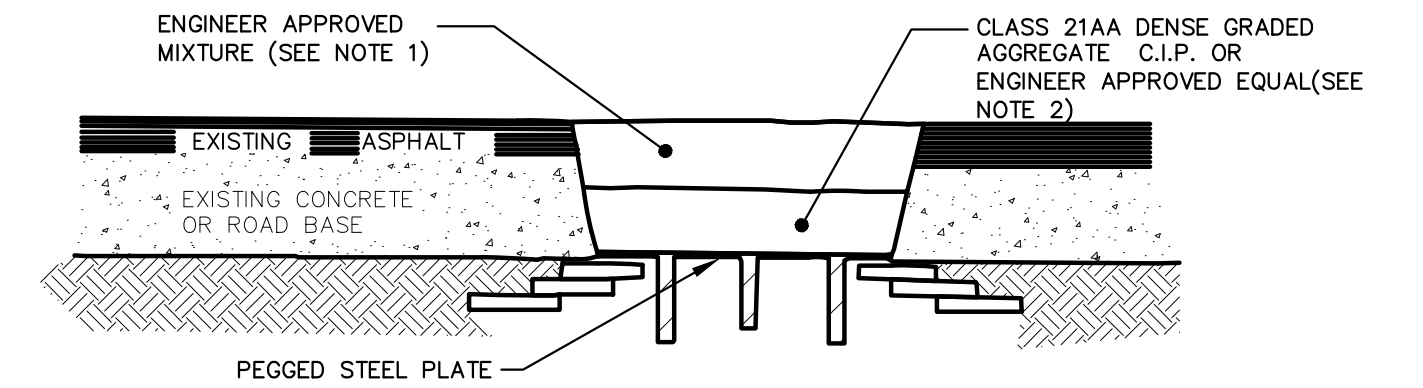


NOTE: PLATE MAY BE CIRCULAR, SQUARE OR RECTANGULAR SECTION A - A 6" LARGER THAN STRUCTURE

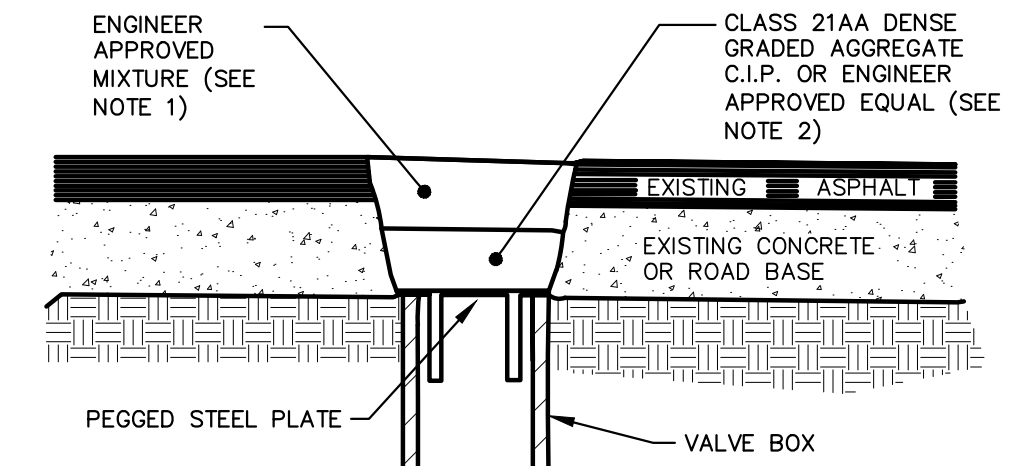


1/4" MIN. THICKNESS AND SUFFICIENT TO CARRY THE CONSTRUCTION LOAD.

STRUCTURE PLATE



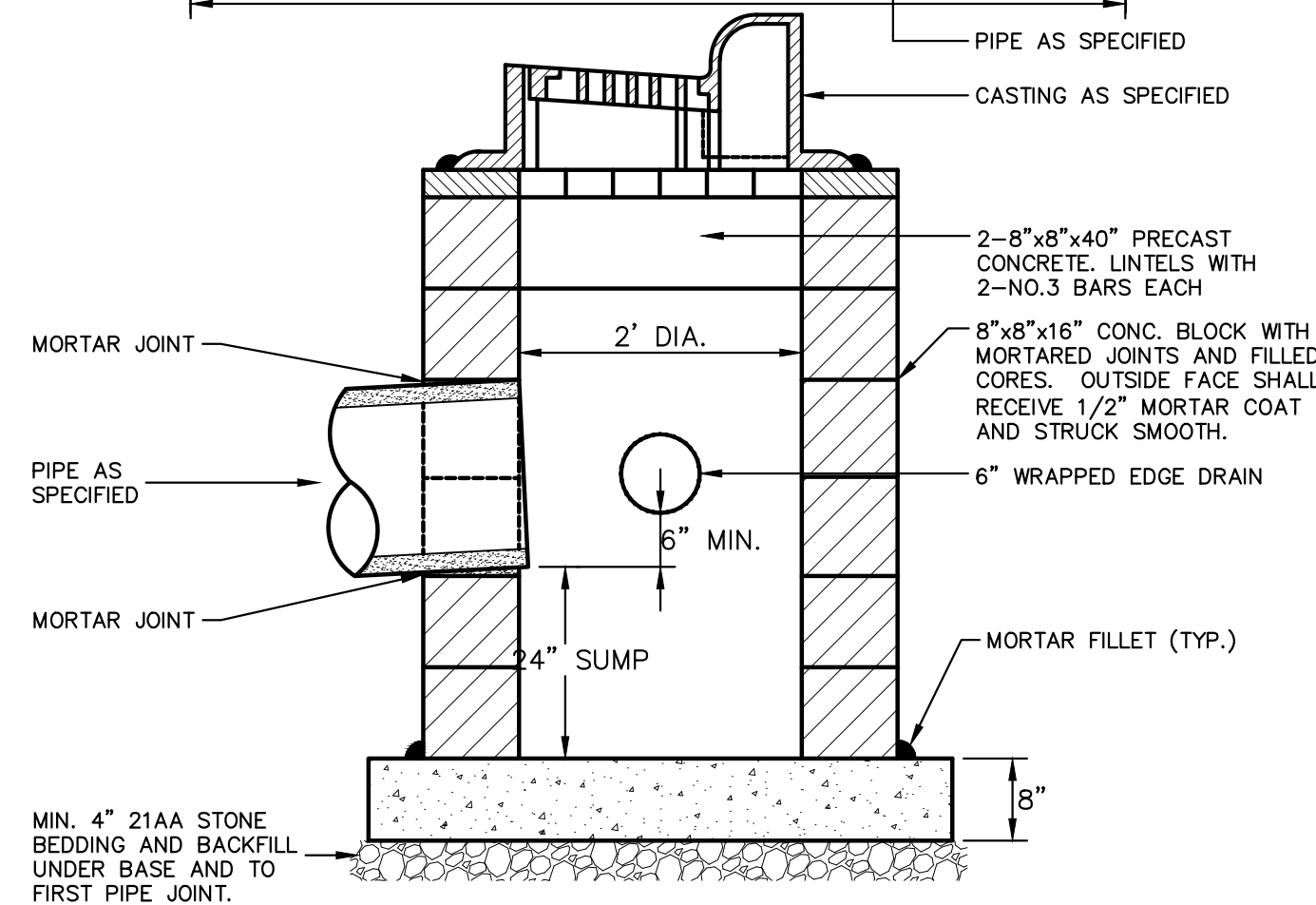
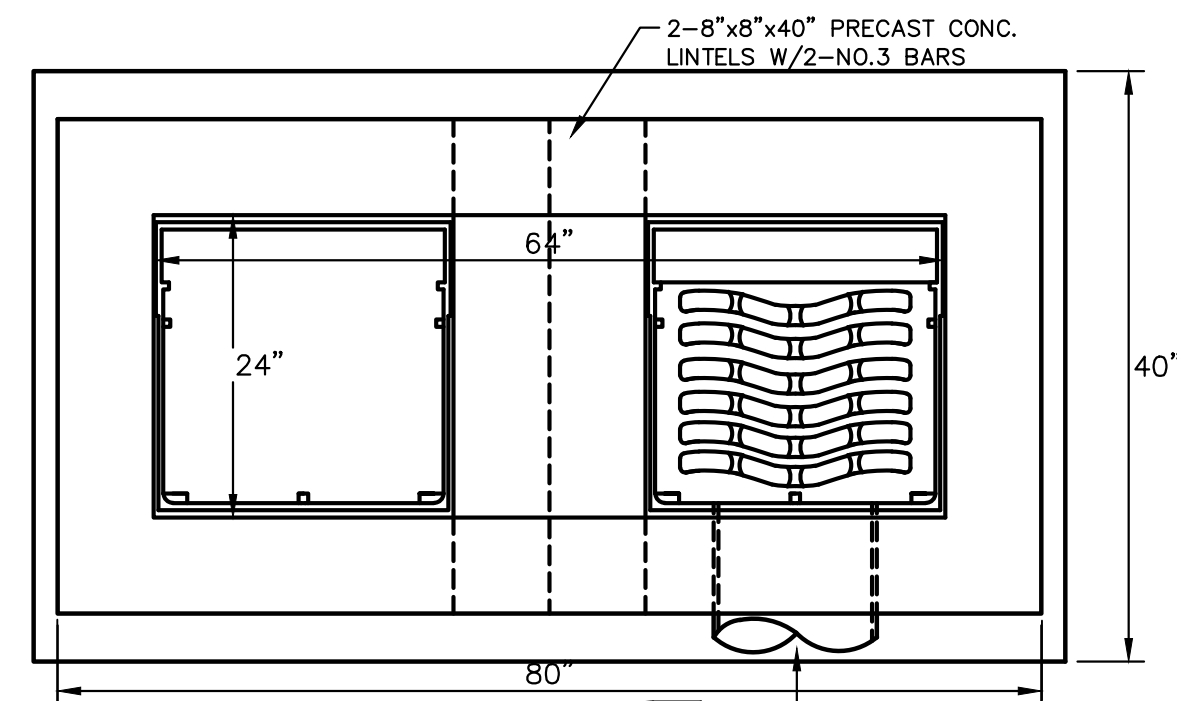
MANHOLE LOWERING DETAIL



VALVE BOX LOWERING DETAIL (SEE NOTE 3)

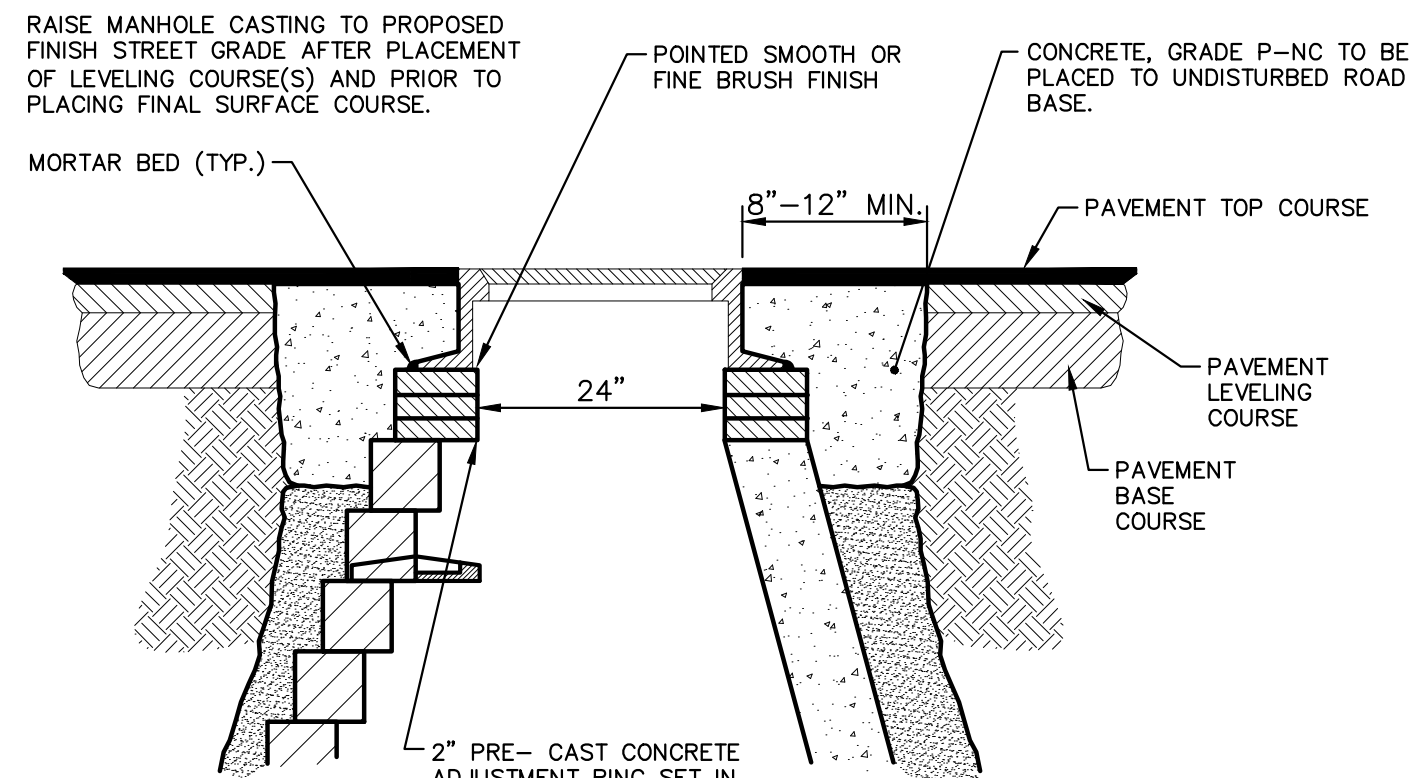
- NOTES:
1. IF TRAFFIC IS TO BE MAINTAINED ON THE ROADWAY BEFORE OR AFTER THE COLD MILLING OPERATION, THE STRUCTURE SHALL BE LOWERED TO THE EXTENT THAT A MINIMUM OF THREE(3) INCHES OF ENGINEER APPROVED ASPHALT OR OTHER MATERIAL REMAINS TO SUPPORT TRAFFIC.
 2. IF THE ROADWAY BEING MILLED IS CLOSED TO TRAFFIC, THE STRUCTURE SHALL BE LOWERED SUCH THAT THE STEEL PLATE IS A MINIMUM OF FOUR(4) INCHES BELOW THE PROPOSED ROAD GRADE AND THE RESULTING VOID SHALL BE FILLED WITH COMPACTED CLASS 21AA DENSE GRADED AGGREGATE OR ENGINEER APPROVED EQUAL.
 3. WHERE A MONUMENT IS TO BE LOWERED, THE CONTRACTOR SHALL GIVE THE ENGINEER A MINIMUM OF 48 HOURS WRITTEN NOTICE SO THAT THE MONUMENT CAN BE PROPERLY WITNESSED OR PROTECTED. FAILURE TO DO SO SHALL RESULT IN THE ENGINEER REPLACING SAID MONUMENT AT THE CONTRACTORS EXPENSE.
 4. PLACE NON-WOVEN GEOTEXTILE BLANKET OVER EXPOSED STRUCTURE OPENING PRIOR TO PLACEMENT OF PEGGED STEEL PLATE. BLANKET SHALL EXTEND NO MORE THAN 3 INCHES BEYOND THE EDGE OF THE PLATE WITH ANY EXCESS BEING TUCKED BENEATH THE PLATE.

MANHOLE & VALVE/MONUMENT BOX LOWERING



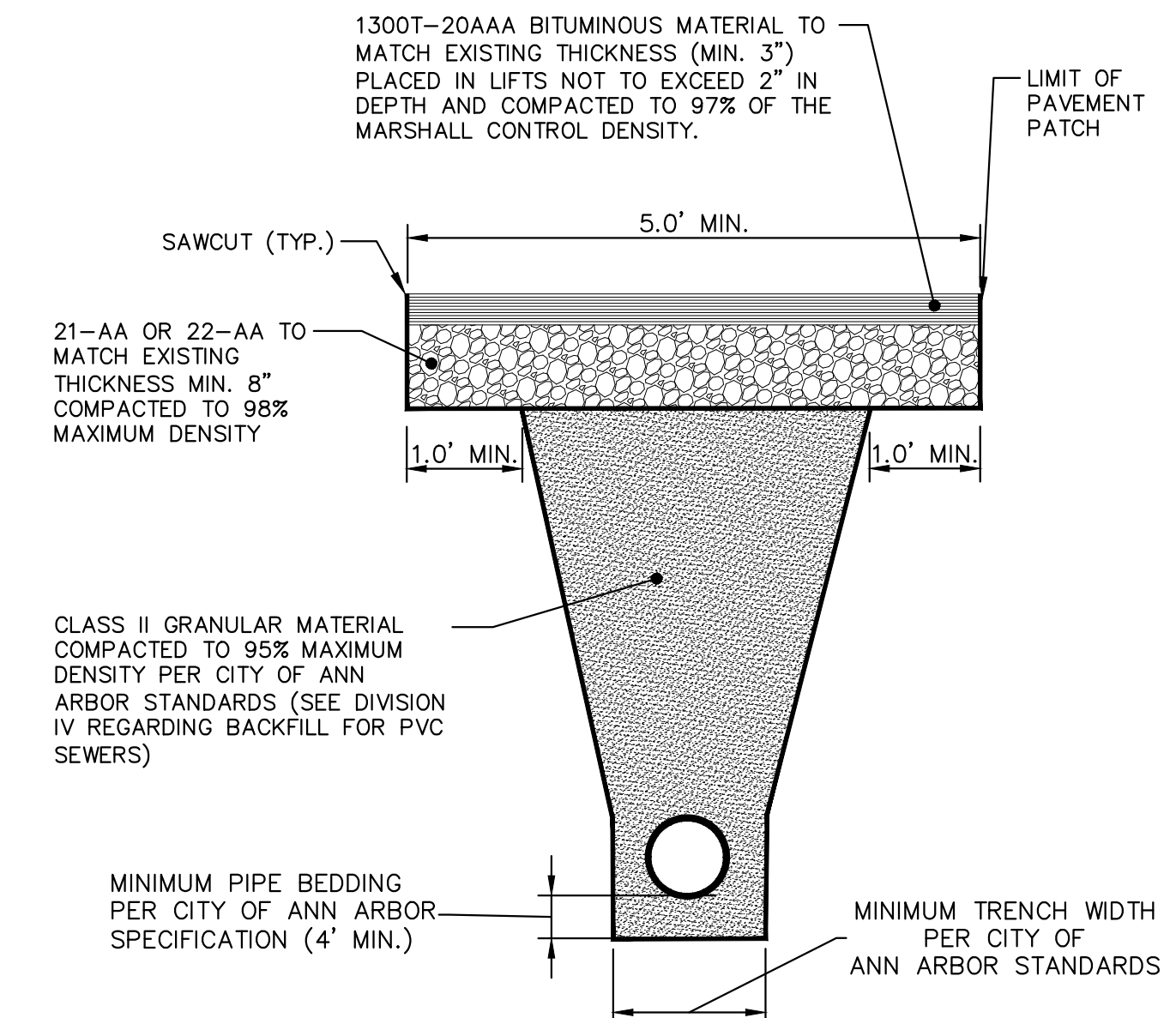
- NOTES:
1. FRONT EDGE OF INLET CASTINGS SHALL BE FLUSH WITH THE FRONT EDGE OF GUTTER (EDGE-OF-METAL)
 2. 2' SUMP REQUIRED ON ALL DRAINAGE STRUCTURES

DOUBLE INLET STRUCTURE SD-S-11



NOTE: IF MANHOLE WILL BE PLACED IN GRAVEL ROAD, CASTING TO BE SET 6" TO 8" BELOW ROADWAY GRADE. ALL CONSTRUCTION METHODS SHALL REMAIN AS SHOWN ABOVE.

MANHOLE CASTING ADJUSTMENT SD-GU-6



- NOTES:
1. DENSITY TESTING PER CITY ANN ARBOR SPECIFICATION
 2. TRENCH DETAILS SHOW TYPE OF BACKFILL AND SURFACE RESTORATION ONLY.
 3. ALL TRENCHING TO CONFORM TO ALL APPLICABLE M.I.O.S.H.A. STANDARDS

UTILITY TRENCH-TYPE I SD-TD-1 (UNDER BITUMINOUS SURFACE)

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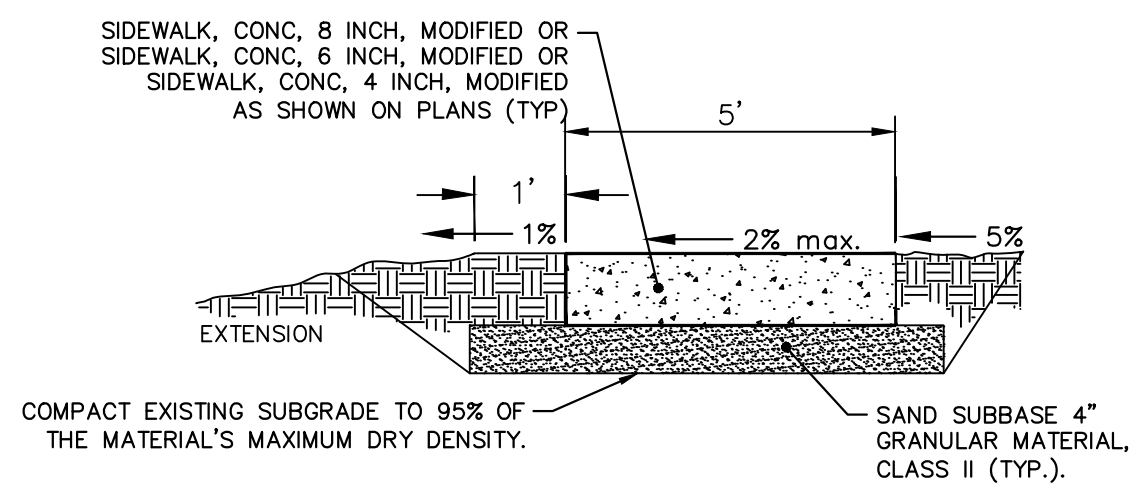


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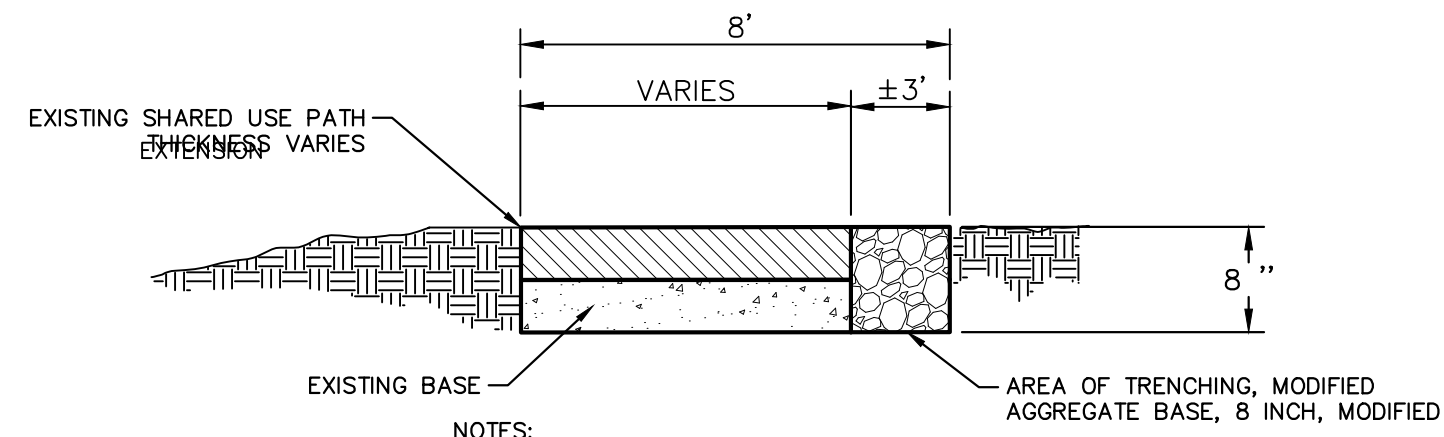
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DETAILS
SCALE: NTS
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SHEET No.



TYPICAL 5 FT SIDEWALK SECTION



- NOTES:
1. PATH TRENCHING WIDTH MAY VARY. PERFORM TRENCHING CONSTRUCTION TO PROVIDE FOR A UNIFORMED 8 FOOT WIDE SHARED USE PATH SURFACE.
 2. PERFORM TRENCHING EXCAVATION TO A DEPTH OF 8 INCHES FROM THE TOP OF EXISTING HMA PATH.
 3. PLACE 8 INCHES OF 21AA AGGREGATE COMPACTED TO 98 % MAXIMUM DENSITY.
 4. PERFORM DENSITY TESTING PER CITY OF ANN ARBOR SPECIFICATIONS.

SHARED USE PATH TRENCHING



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00	3/09/2022	RFP SET

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

STREET RESURFACING PROJECT - 2022

SCALE : NTS

DRAWING No. 2022-004-5

DETAILS

GENERAL
 NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.
4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.
5. ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR.
6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR OTHER METHODS APPROVED BY THE ENGINEER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.

11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

1. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

- 1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- 1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- 1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
- 1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- 1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- 1.6. COMPLETE ALL FINE GRADING.
- 1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- 1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- 1.9. CLEAN OUT STORM SEWER SYSTEMS.
- 1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

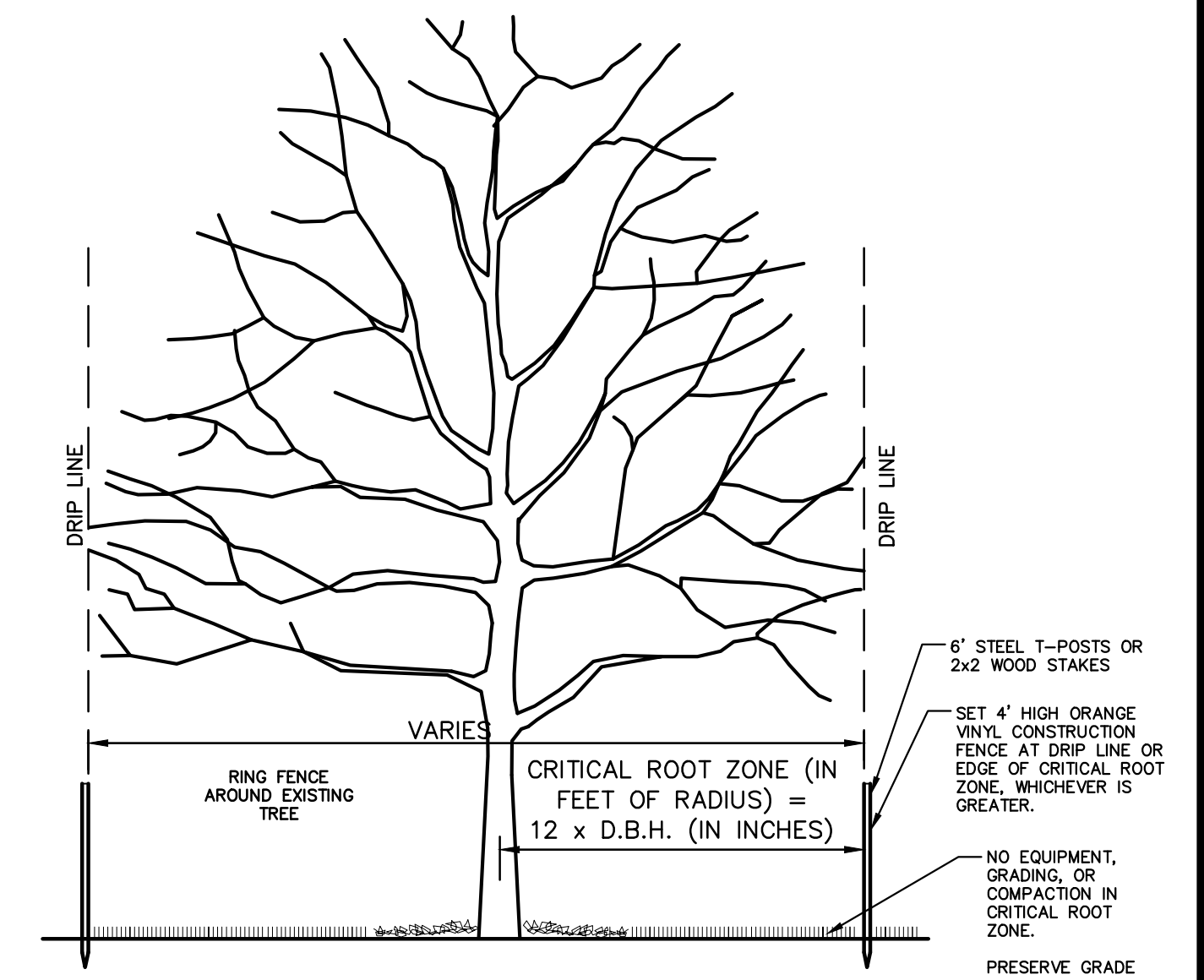
TEMPORARY SEEDING:

1. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

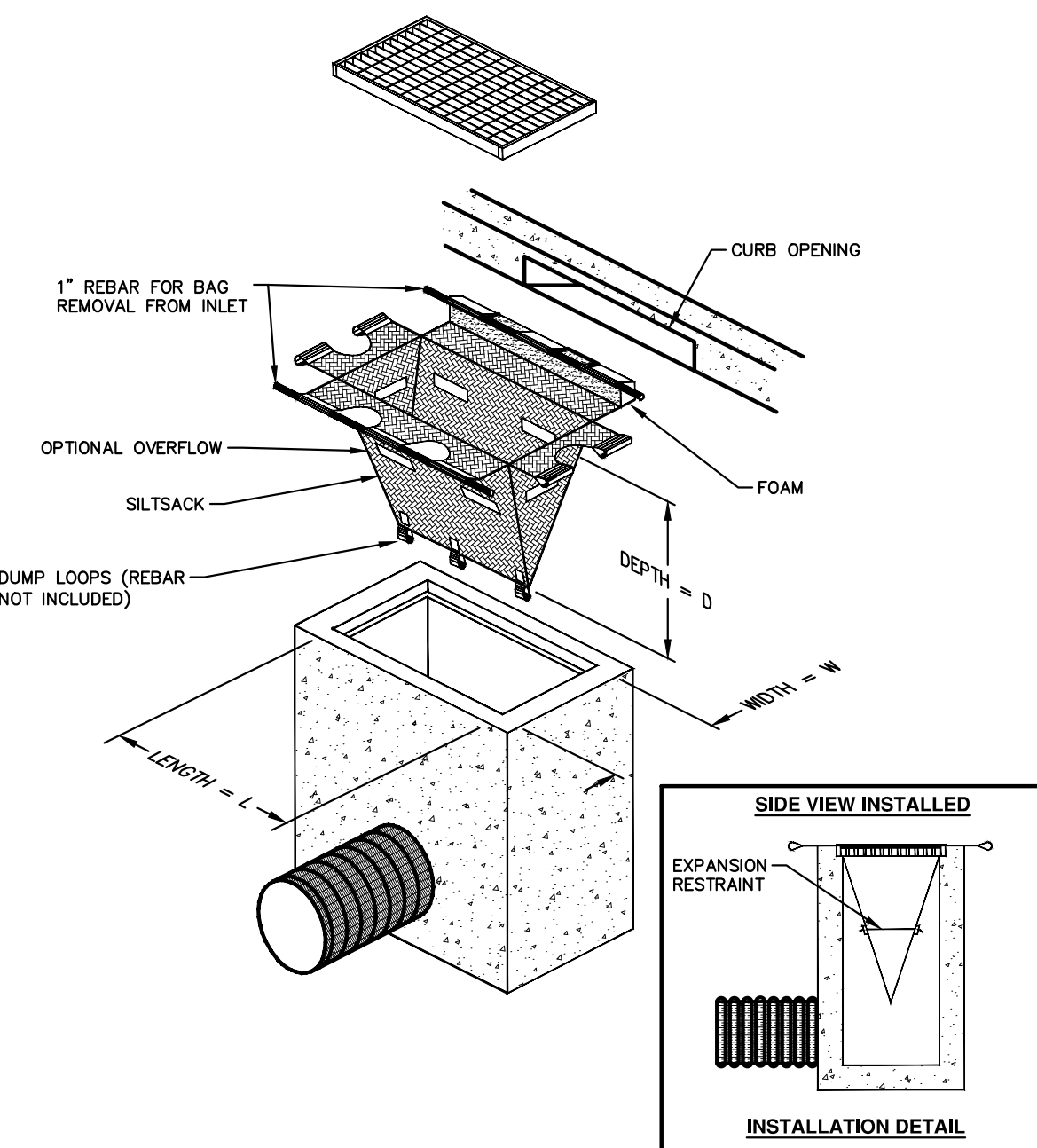
THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE.

- ALICE ST
- ARLENE ST
- ARBORVIEW BLVD
- BATH ST
- CHAPIN ST
- DOTTY AVE
- GRACE ST
- LINDA VISTA ST
- LINWOOD AVE
- MAPLERIDGE ST
- MARYFIELD DR
- N REVENA BLVD
- PAUL ST
- ROSS ST
- SUNRISE CT
- VIRGINIA AVE
- WESTWOOD AVE
- WILDWOOD AVE
- WILLARD ST
- WILLOW ST

ARBOR HILLS NATURE AREA ASPHALT PATH RESURFACING/ REHABILITATION
 W LIBERTY RD ASPHALT PATH RESURFACING/ REHABILITATION
 OAKBROOK DR ASPHALT PATH TO CONCRETE SIDEWALK CONVERSION
 S STATE ST ASPHALT PATH RESURFACING/ REHABILITATION
 E EISENHOWER PKWY ASPHALT PATH TO CONCRETE SIDEWALK CONVERSION
 WASHTENAW AVE ASPHALT PATH RESURFACING/ REHABILITATION



TREE PROTECTION SD-L-3



SILTSACK DETAIL

NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK

(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

HI-FLOW SILTSACK

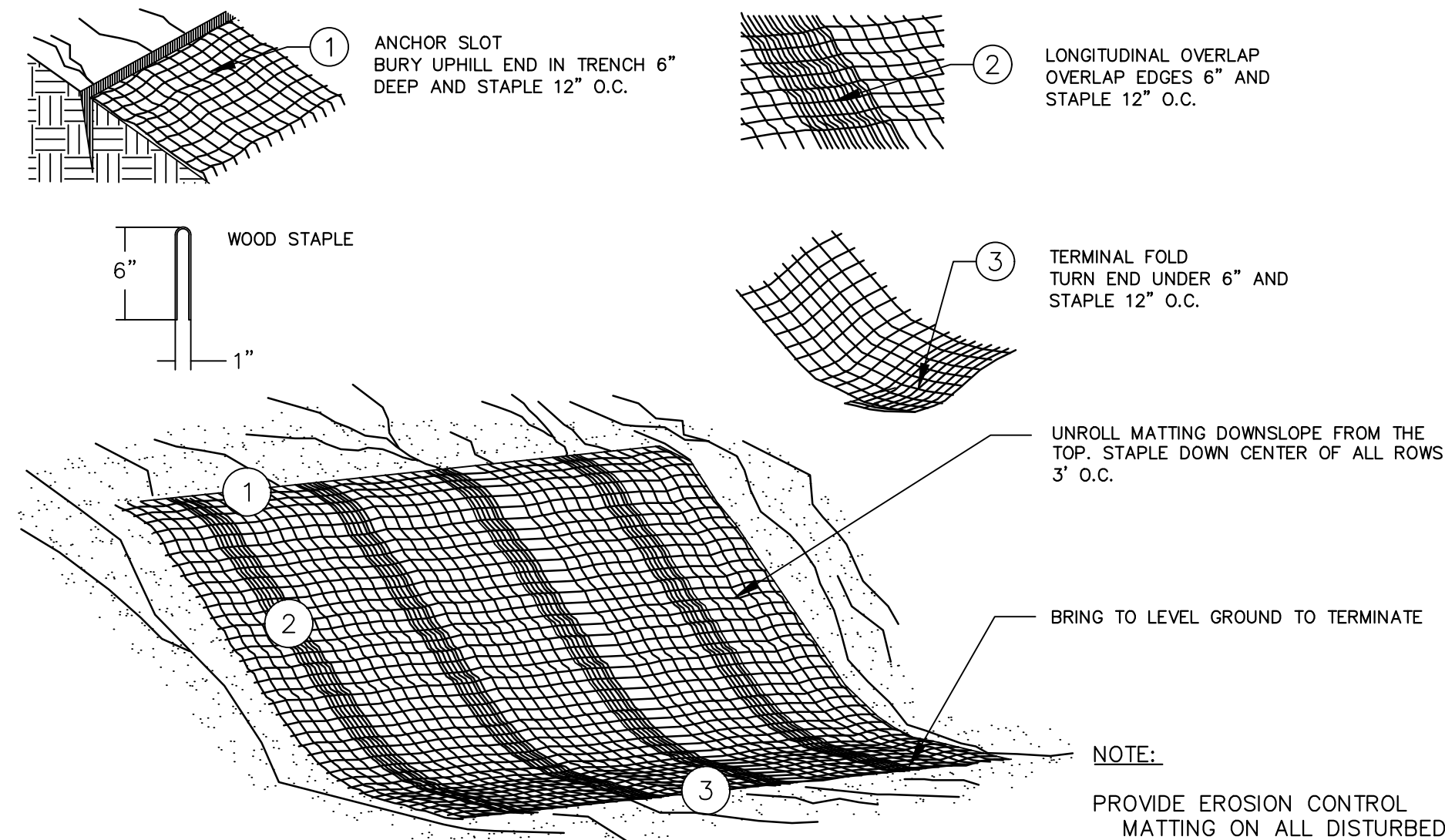
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4632	285 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC-1

OIL-ABSORBANT SILTSACK

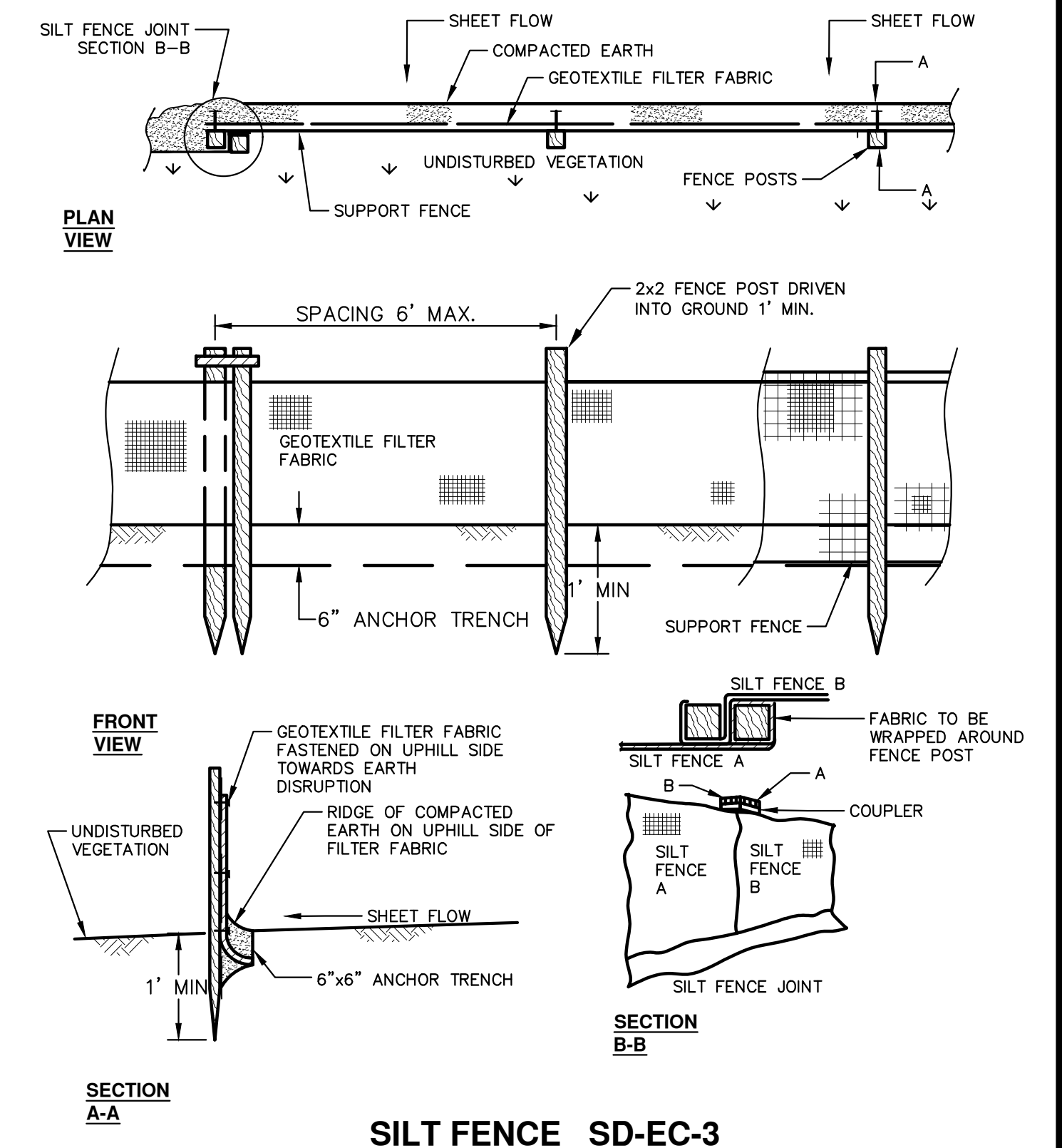
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS THAT THE CONTRACTOR INSTALL THE REBAR AS SHOWN IN THIS DETAIL TO PROVIDE A FULLY FUNCTIONING UNIT. ALL COSTS ASSOCIATED WITH FURNISHING, CLEANING AS MANY TIMES AS REQUIRED, DISPOSAL OF SEDIMENT, AND REMOVING THE INLET FILTER WHEN NO LONGER NEEDED IS INCLUDED IN THE ITEM OF WORK AND WILL NOT BE PAID FOR SEPARATELY.

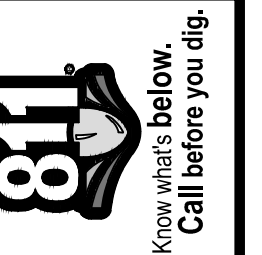


MULCH BLANKET DETAIL

APPLIES TO ALL AREAS TO BE PERMANENTLY RESTORED WITH GRASS. SEE LANDSCAPE PLANS FOR MORE DETAILS.



SILT FENCE SD-EC-3



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	3/09/2022	AG/CE/GS	DAD	DAD

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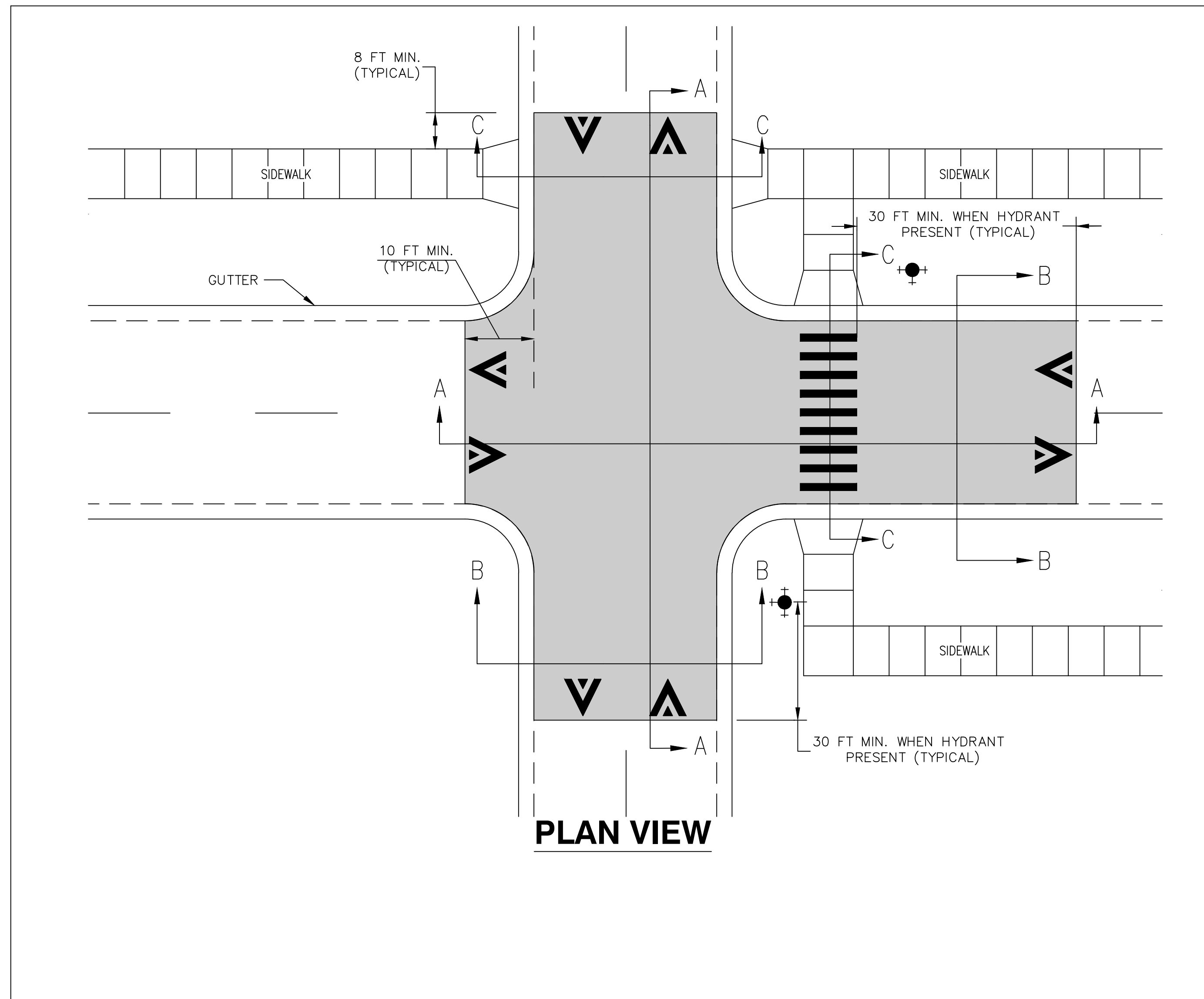


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
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 SESC NOTES AND DETAILS

SCALE: NTS
 DRAWING No. 2022-004-6
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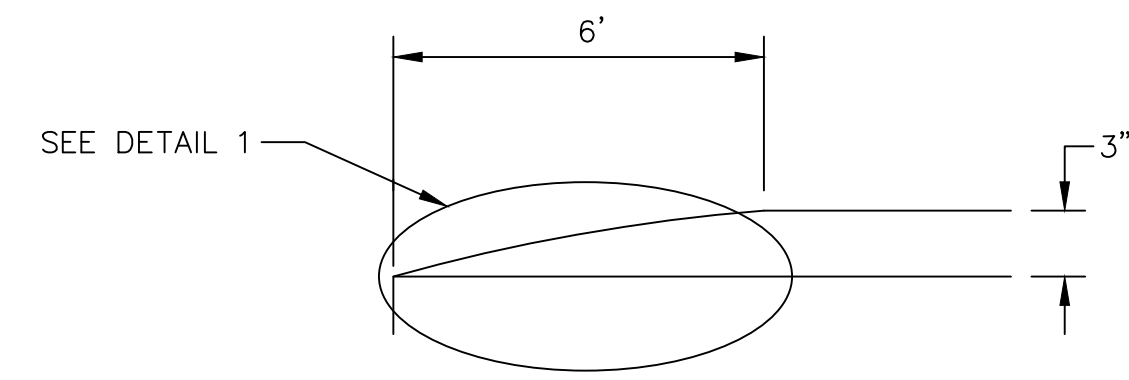
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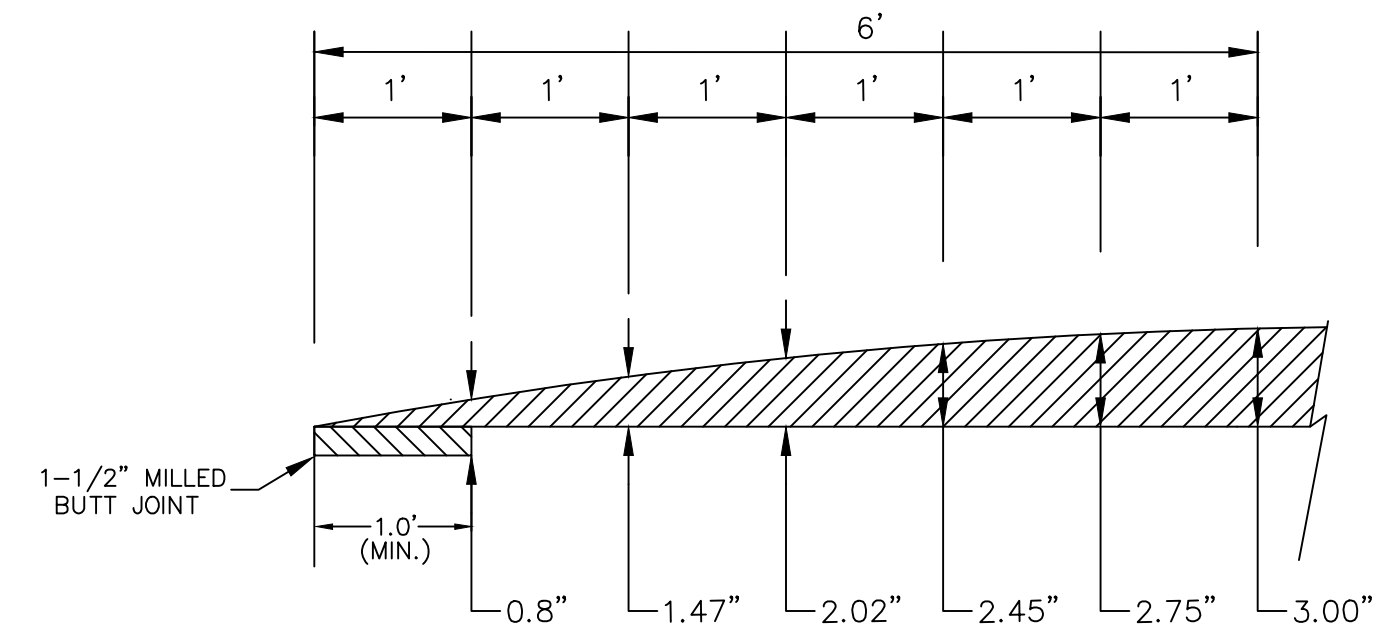
PLAN VIEW

GENERAL NOTES

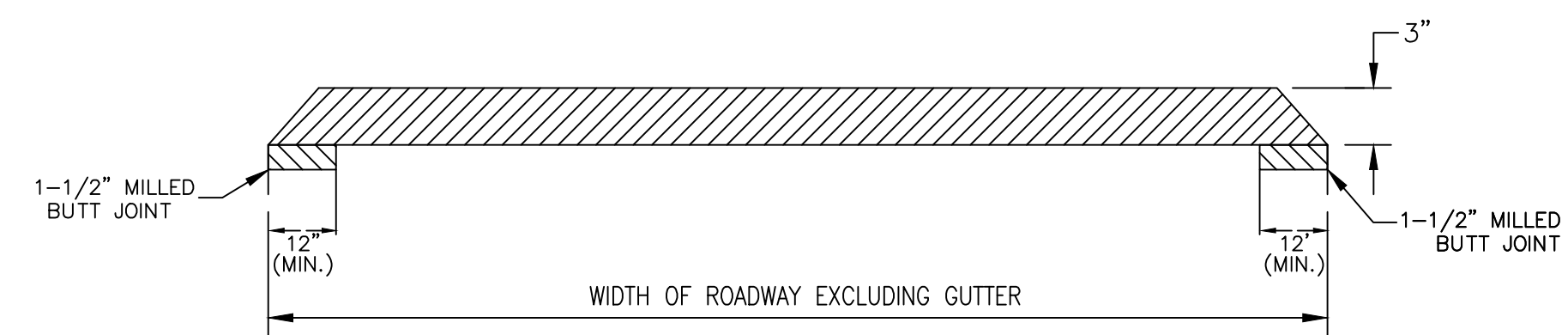
1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
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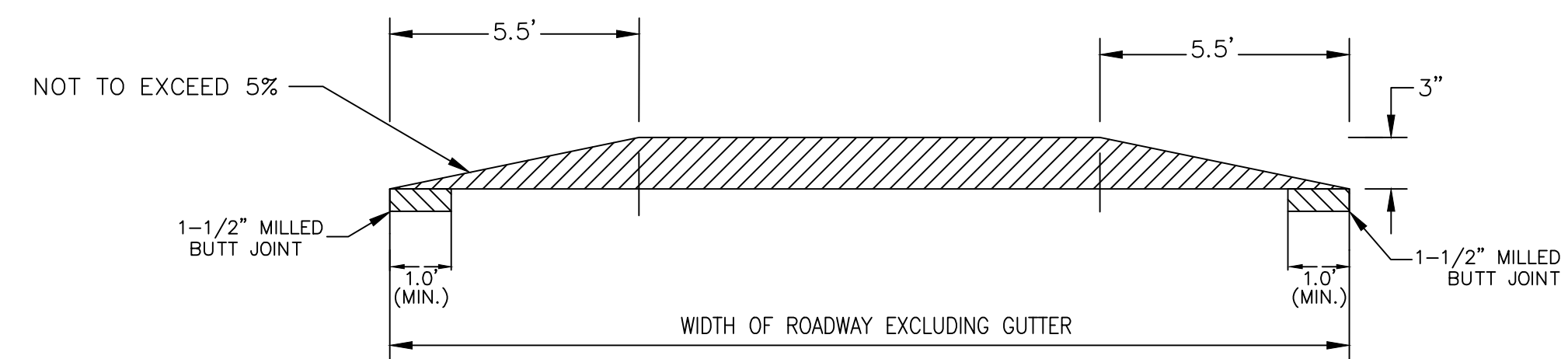
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DETAIL 1



SECTION BB



SECTION CC

HMA RAISE INTERSECTION DETAIL

SCALE: NOT TO SCALE



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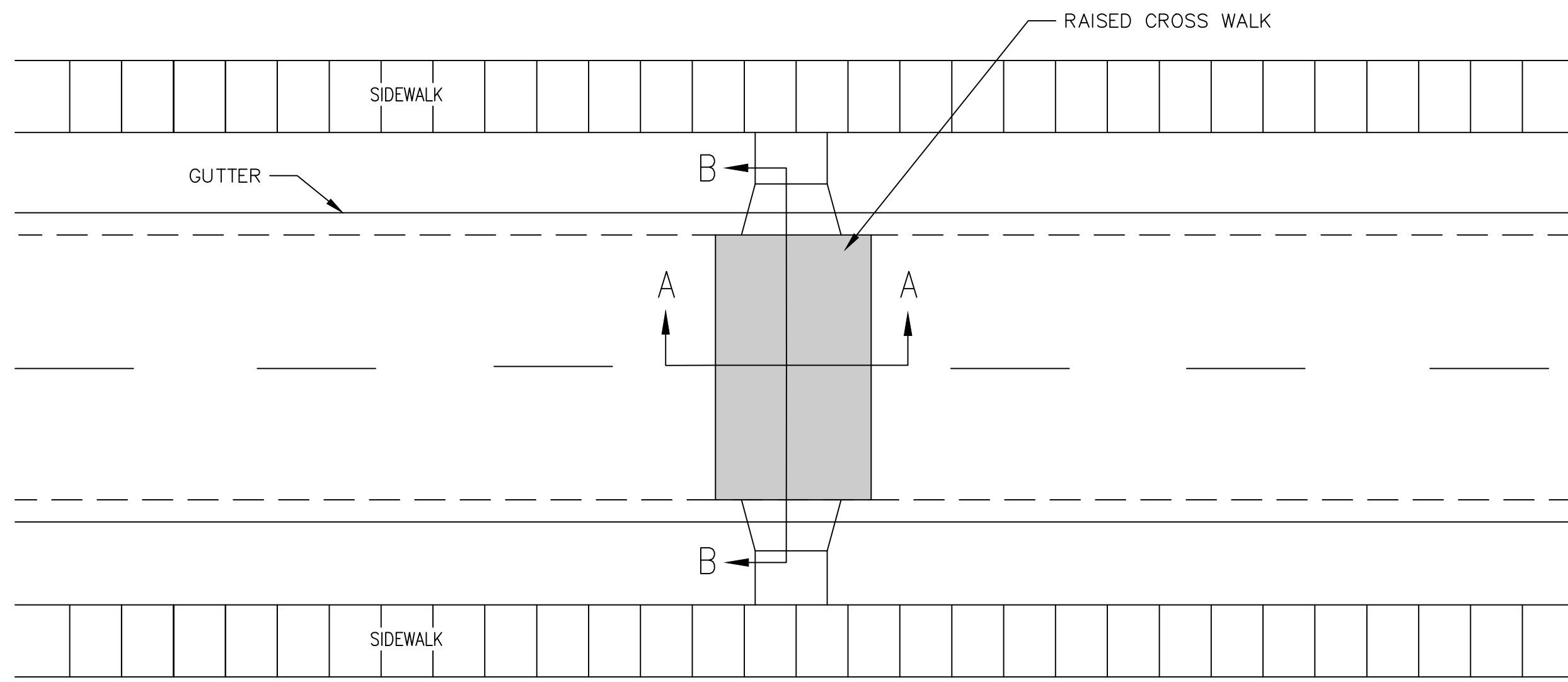
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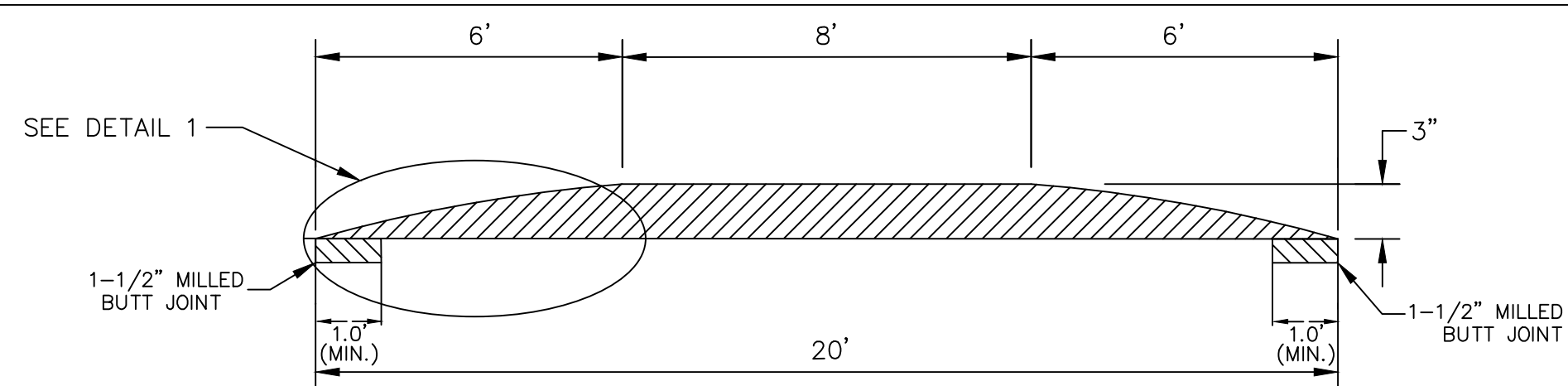
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TRAFFIC CALMING DETAIL - HMA RAISE INTERSECTION DETAIL

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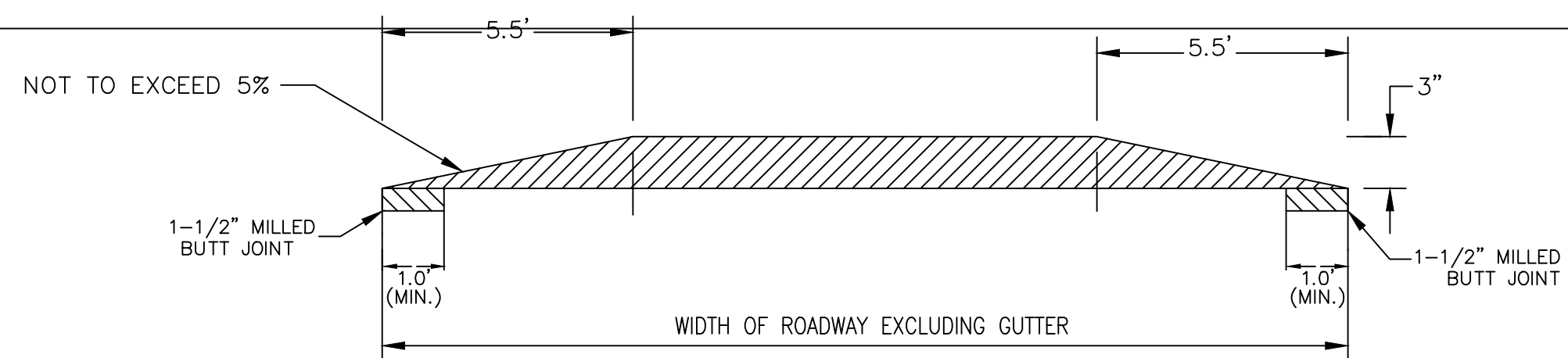
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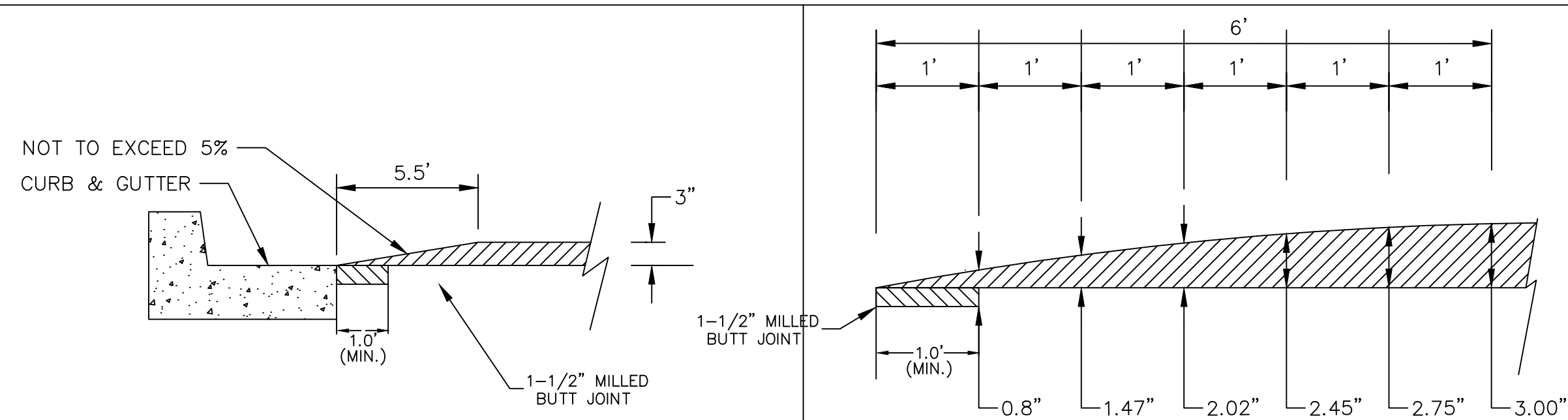
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SECTION AA



SECTION BB

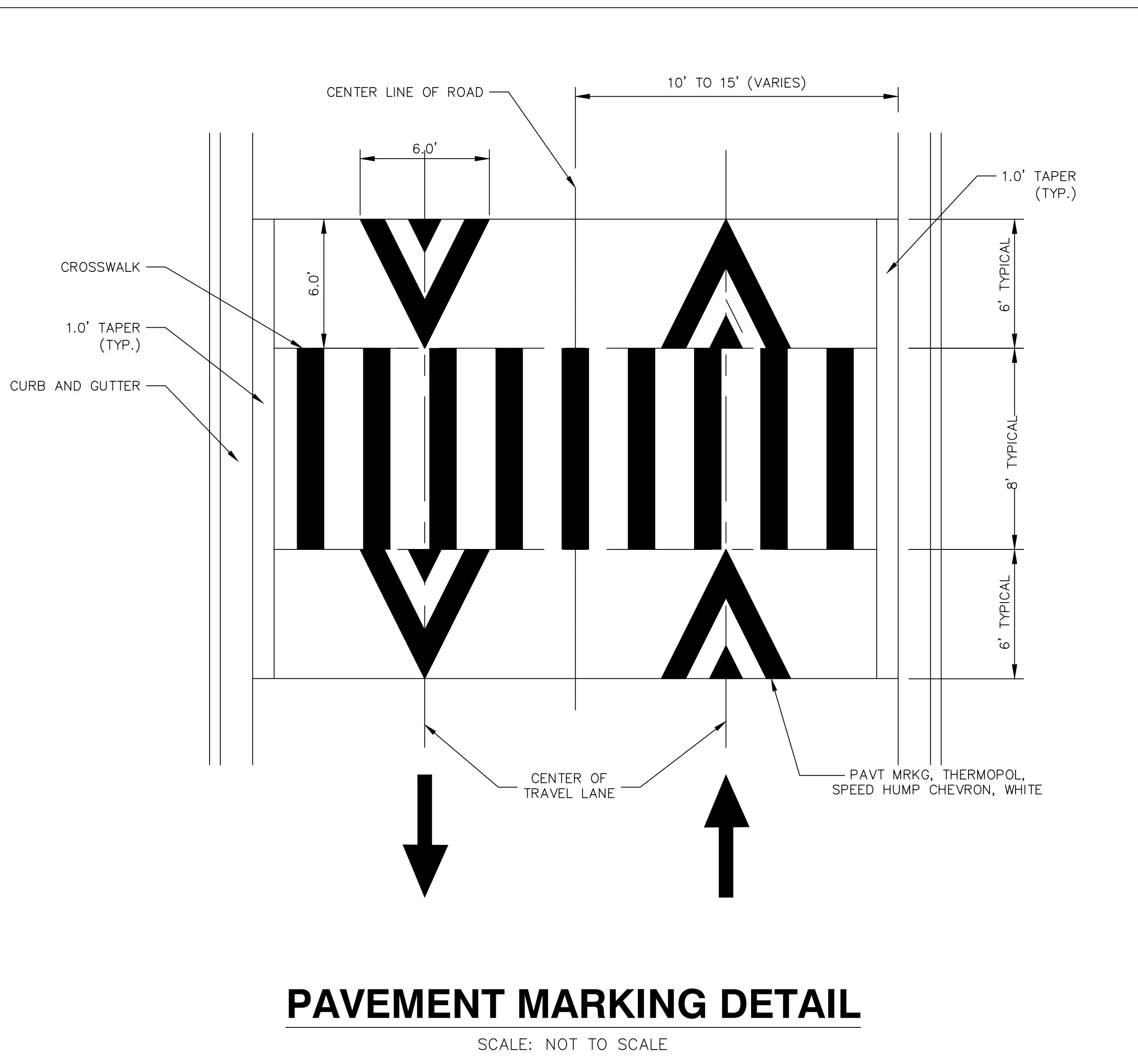


CURB DETAIL

DETAIL 1

HMA RAISE CROSS WALK DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

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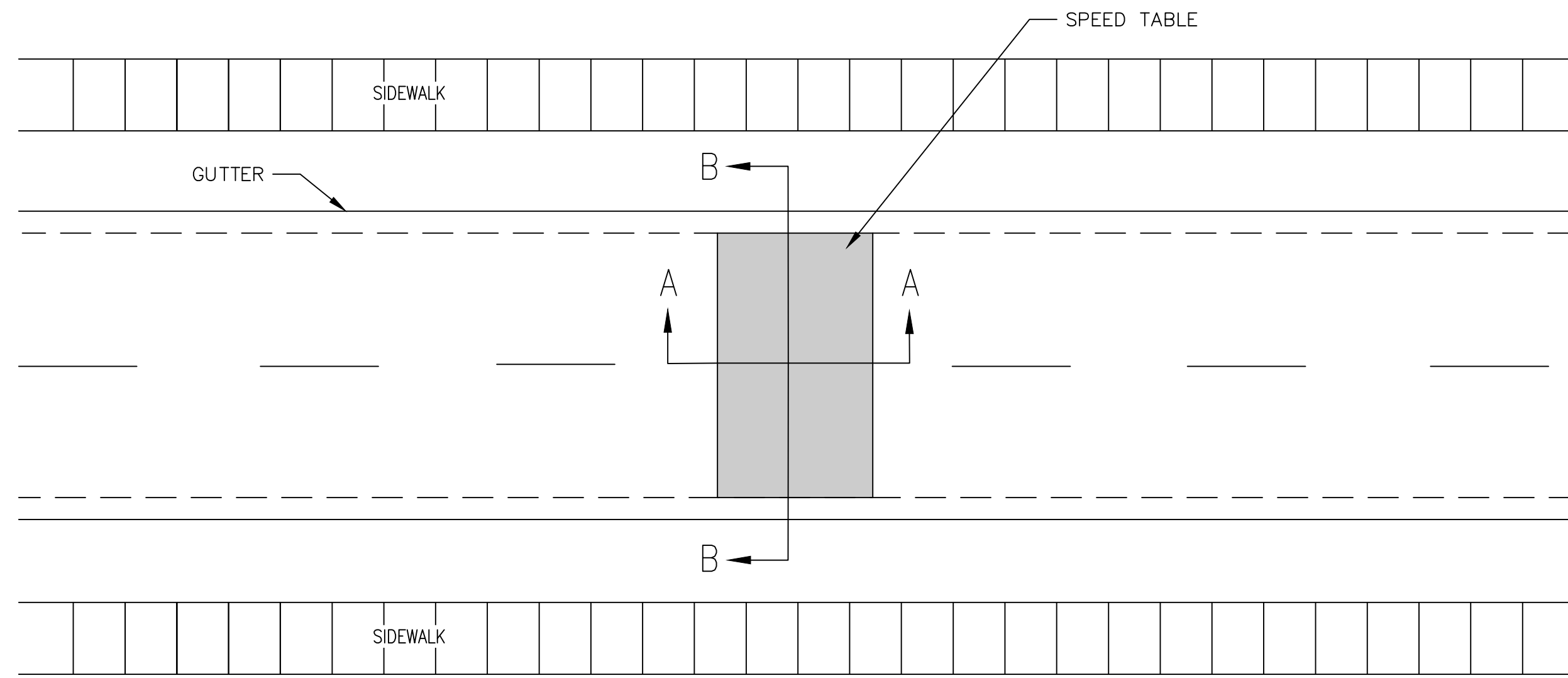
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STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - HMA RAISE CROSS WALK DETAIL

SCALE PLAN: NTS
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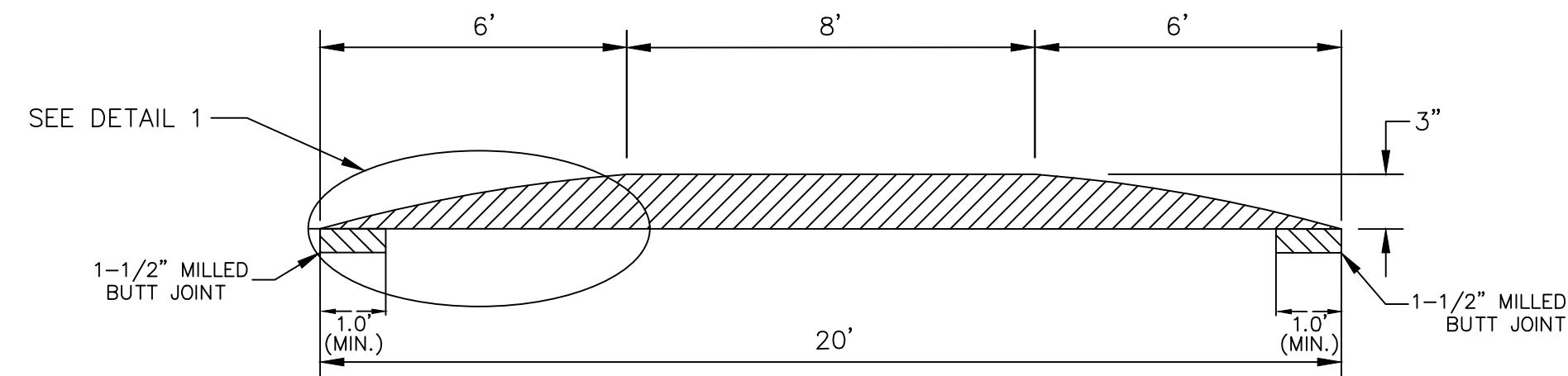
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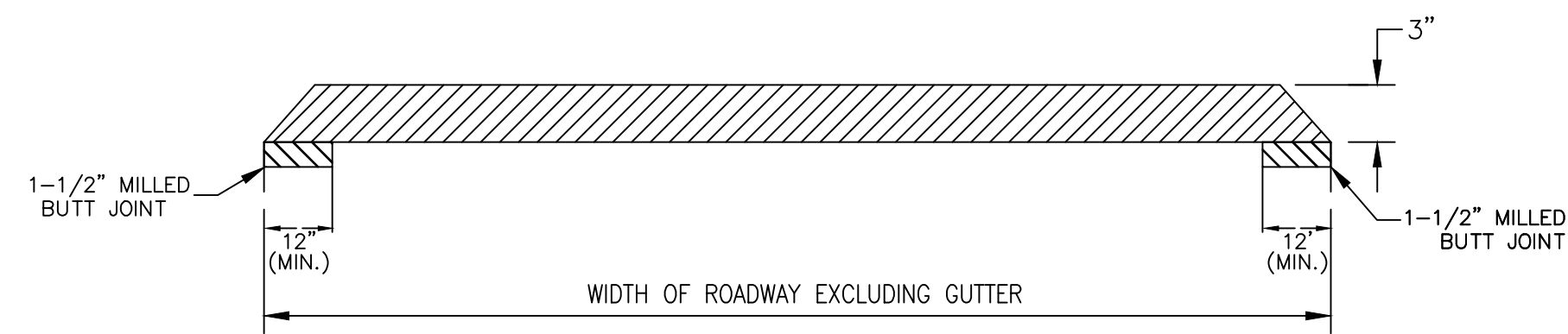
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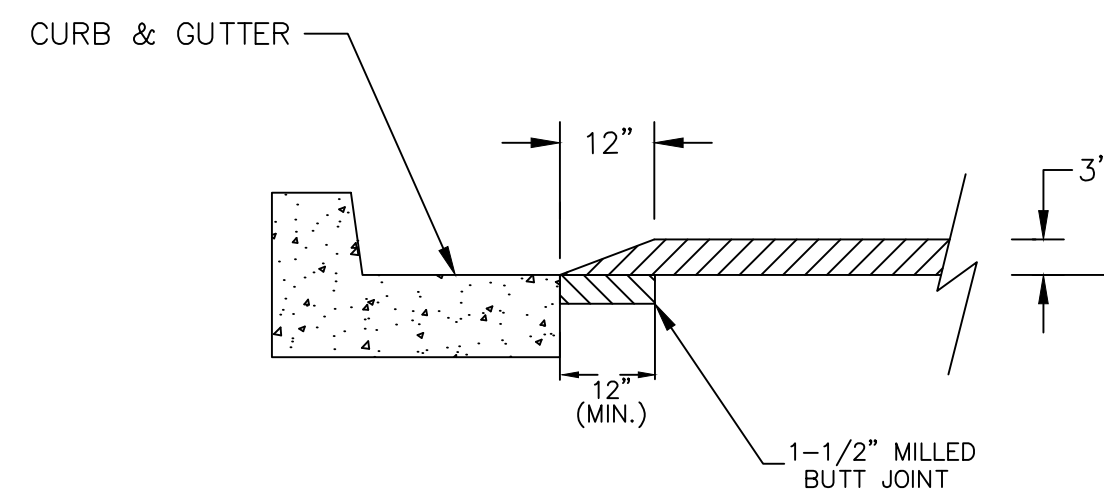
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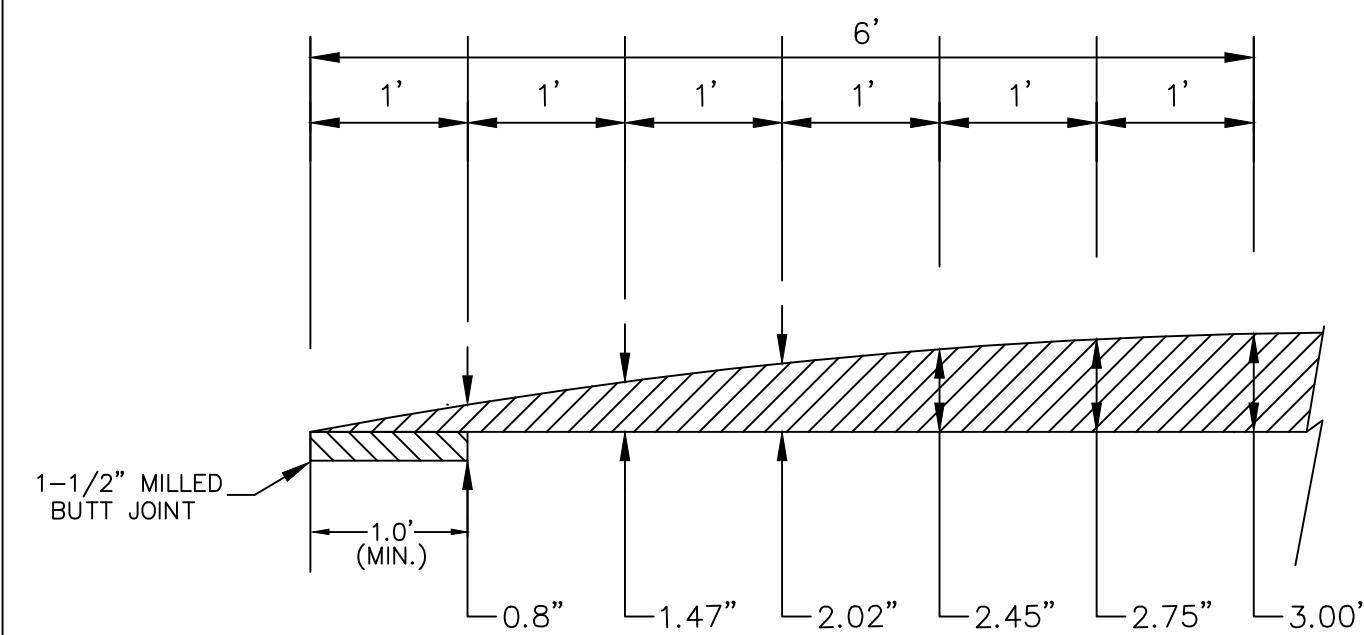
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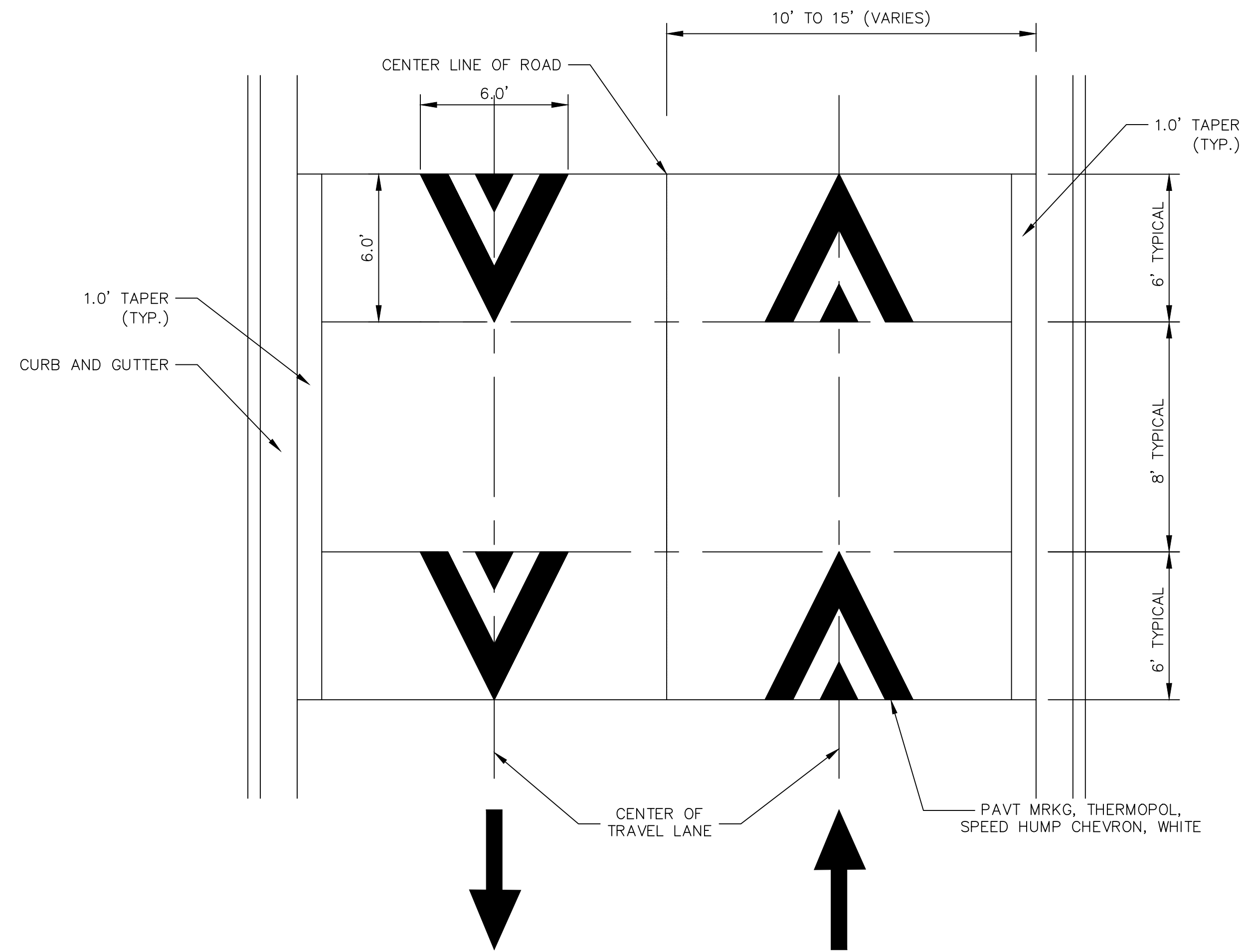
CURB DETAIL



DETAIL 1

HMA SPEED TABLE DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

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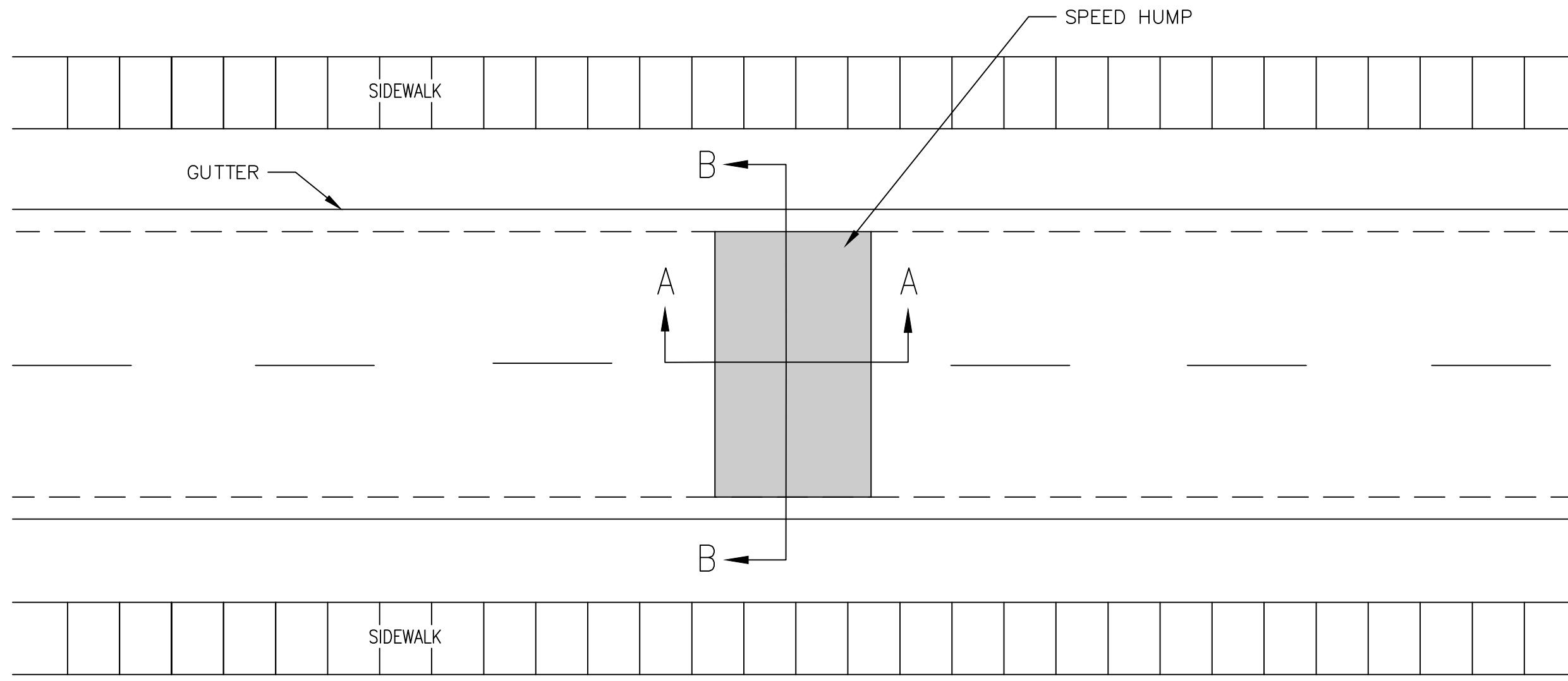
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - HMA SPEED TABLE DETAIL

SCALE PLAN: NTS
DRAWING No. 2022-004-9

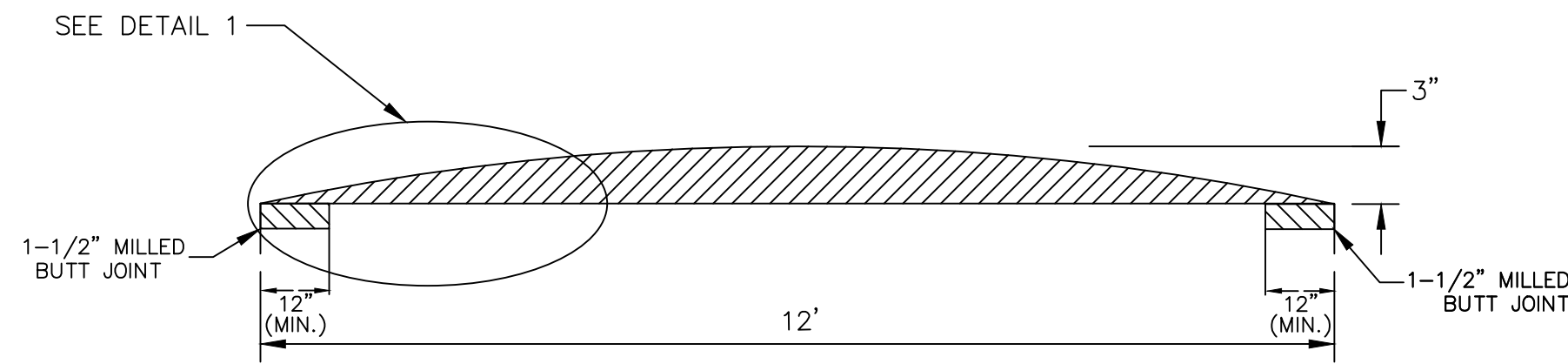
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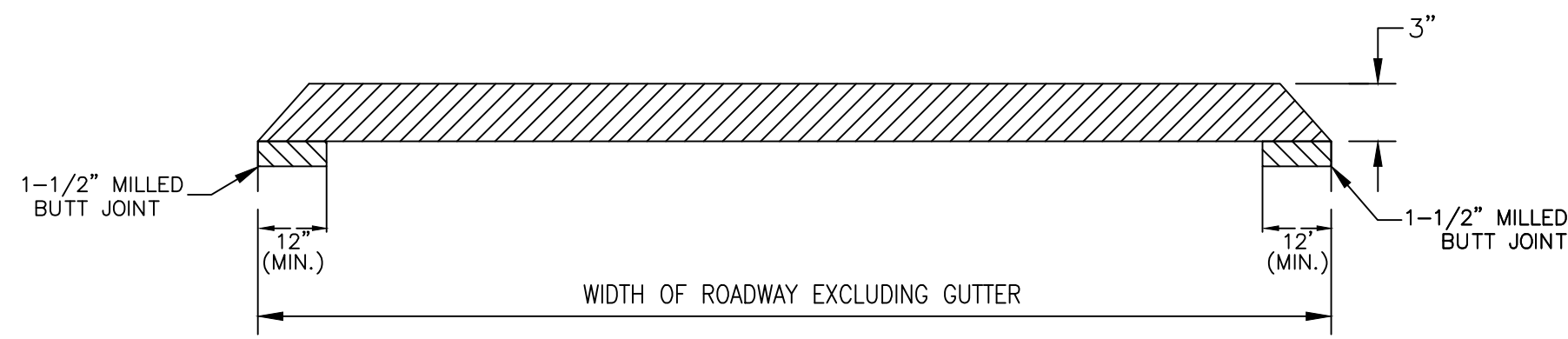
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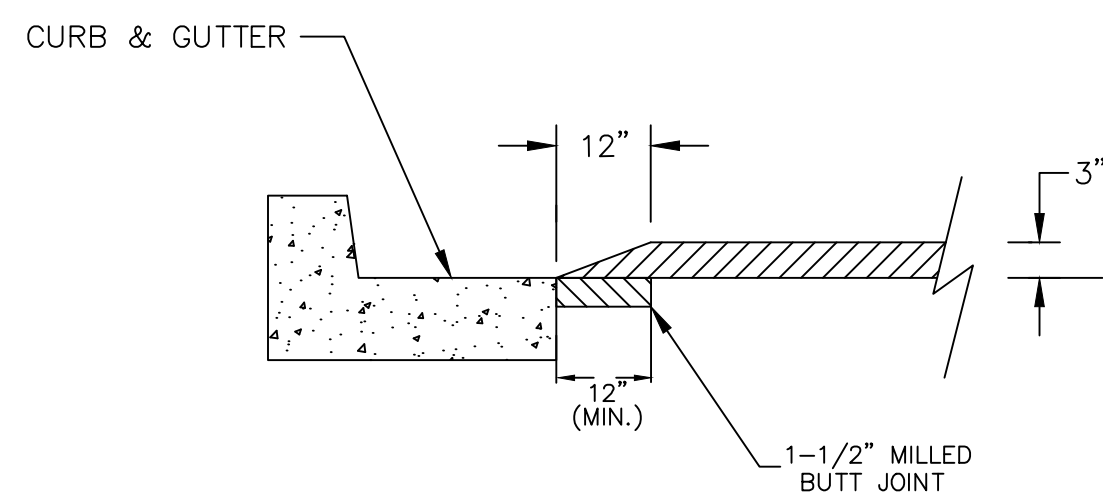
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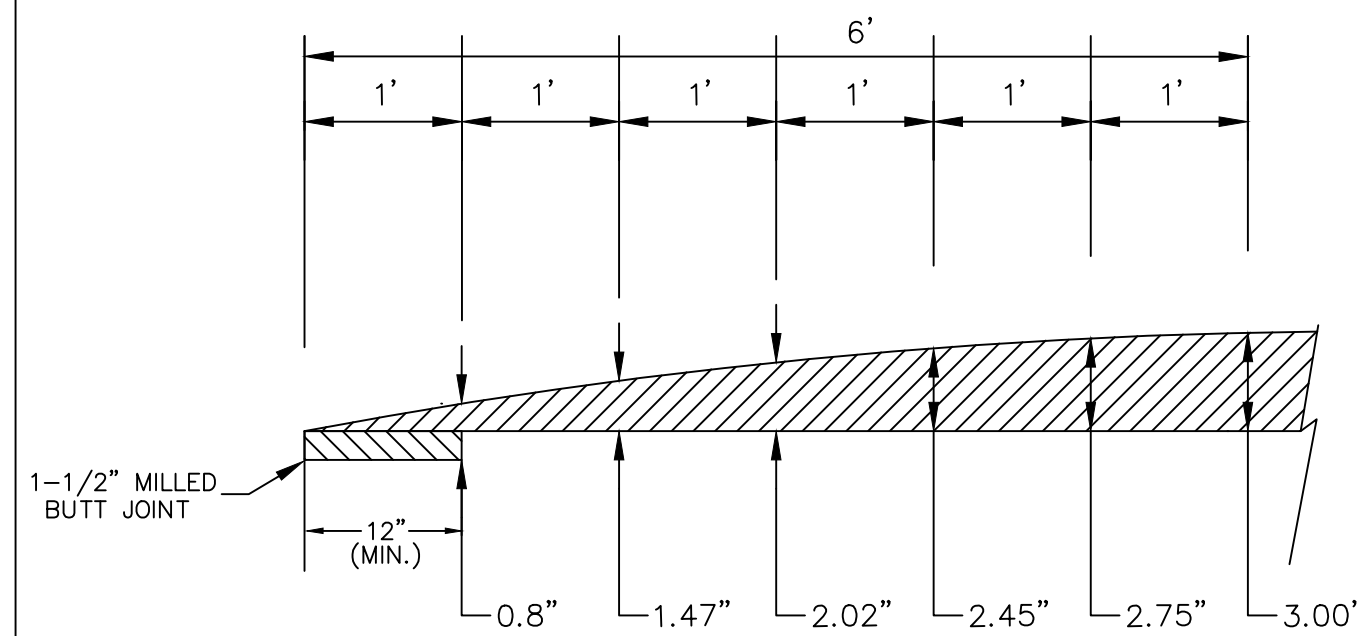
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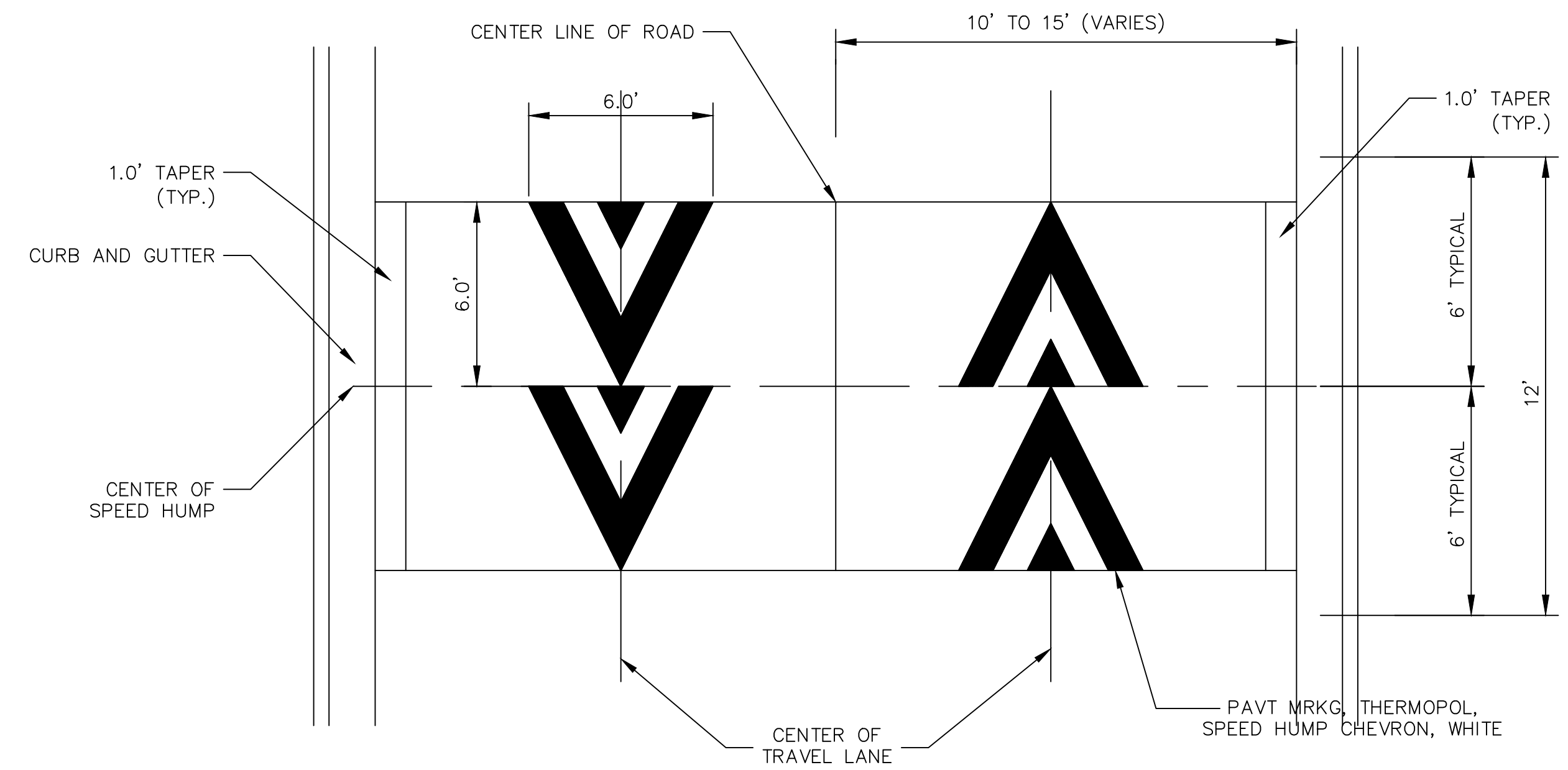
CURB DETAIL



DETAIL 1

HMA SPEED HUMP DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

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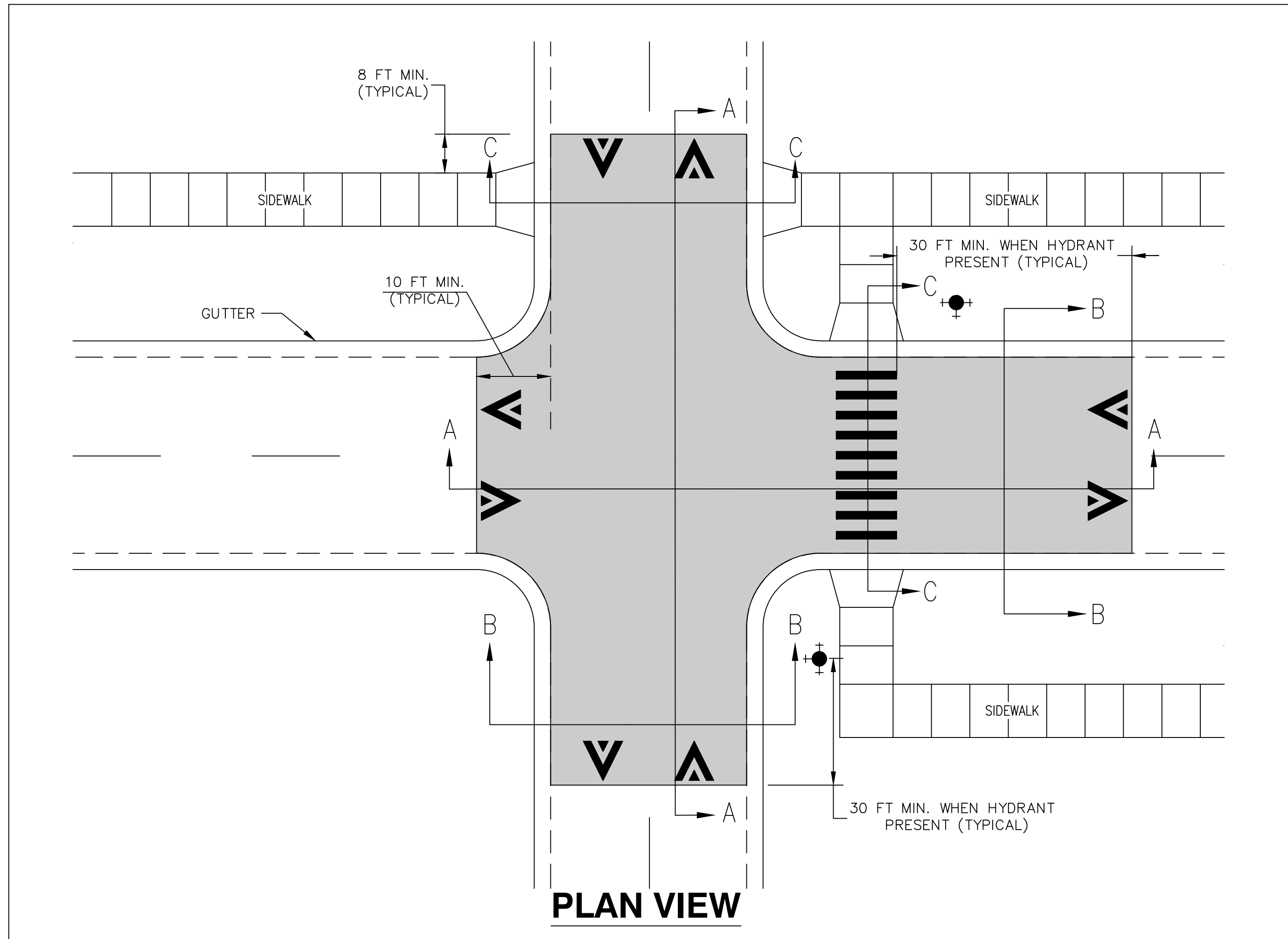
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
www.a3gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - HMA SPEED HUMP DETAIL

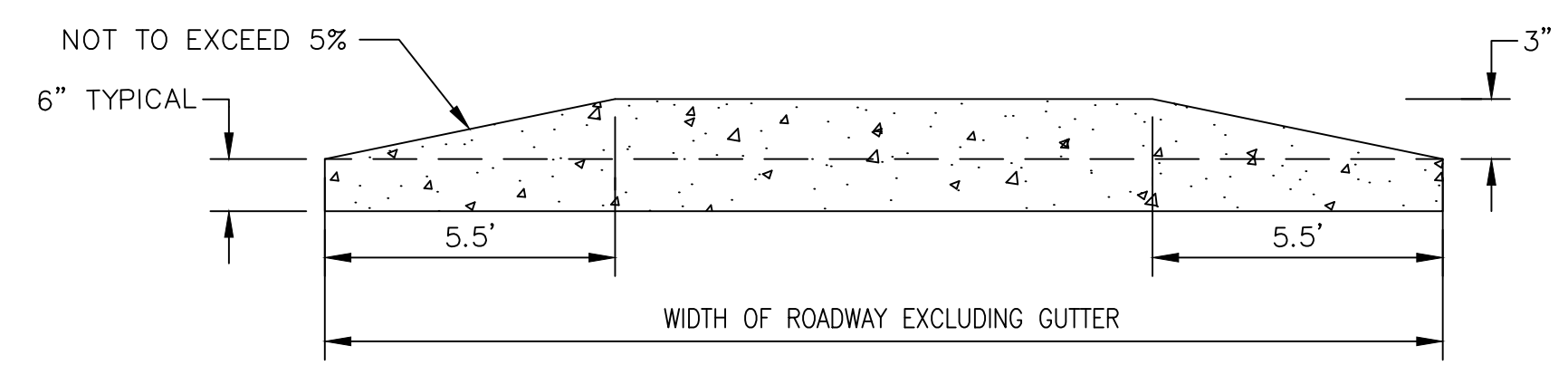
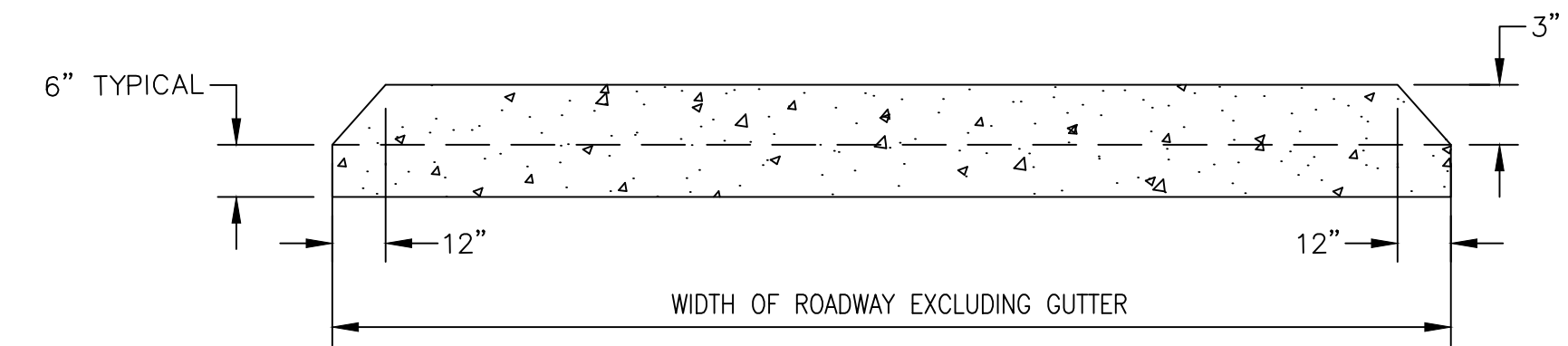
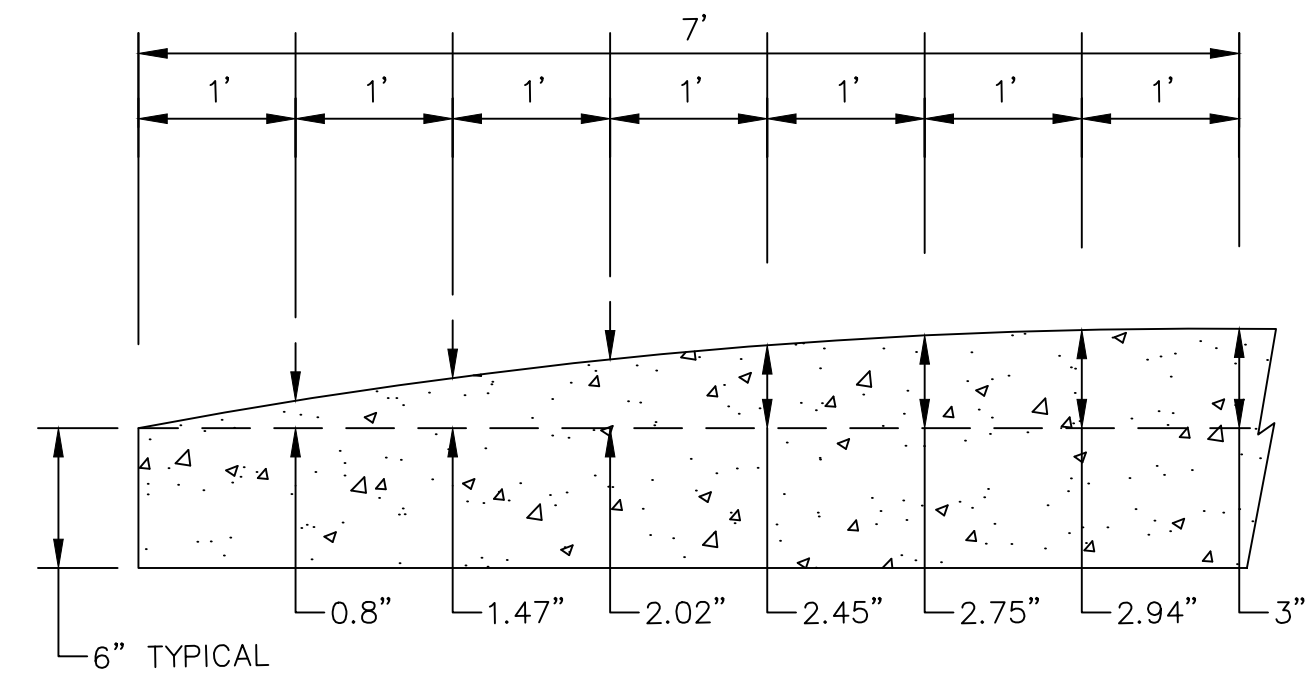
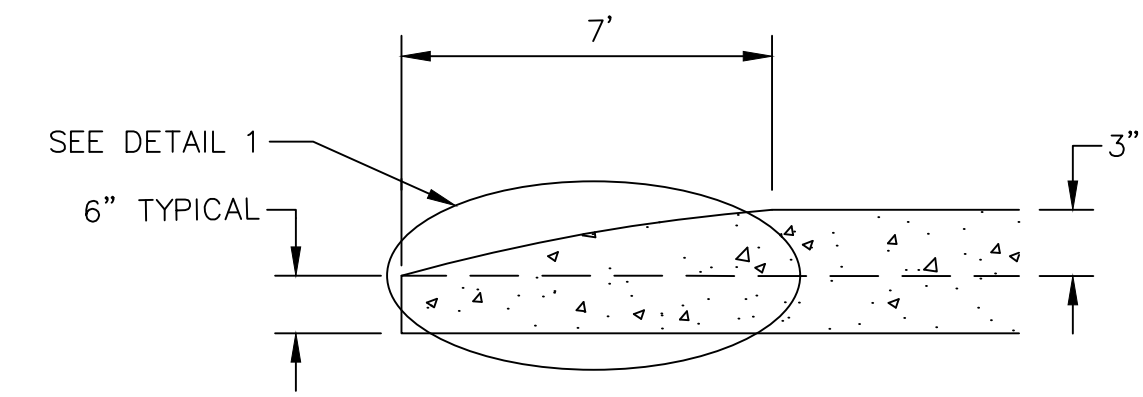
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DRAWING No. 2022-004-10

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GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



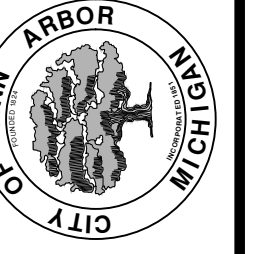
CONCRETE RAISE INTERSECTION DETAIL

SCALE: NOT TO SCALE



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00	RFP SET	AG/CE/GS	DAD	DRAWN
		DATE		REV.

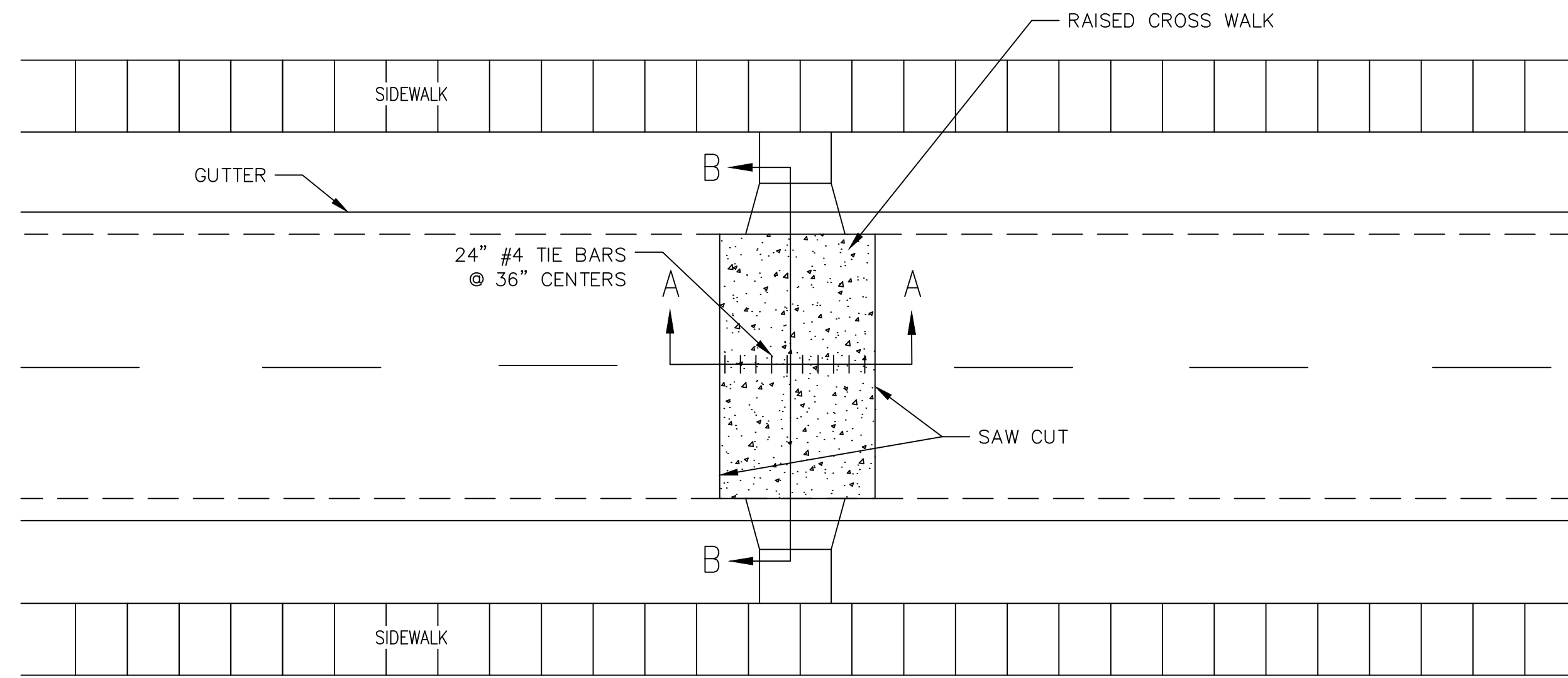
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR MI 48106-8647
www.a3gov.org



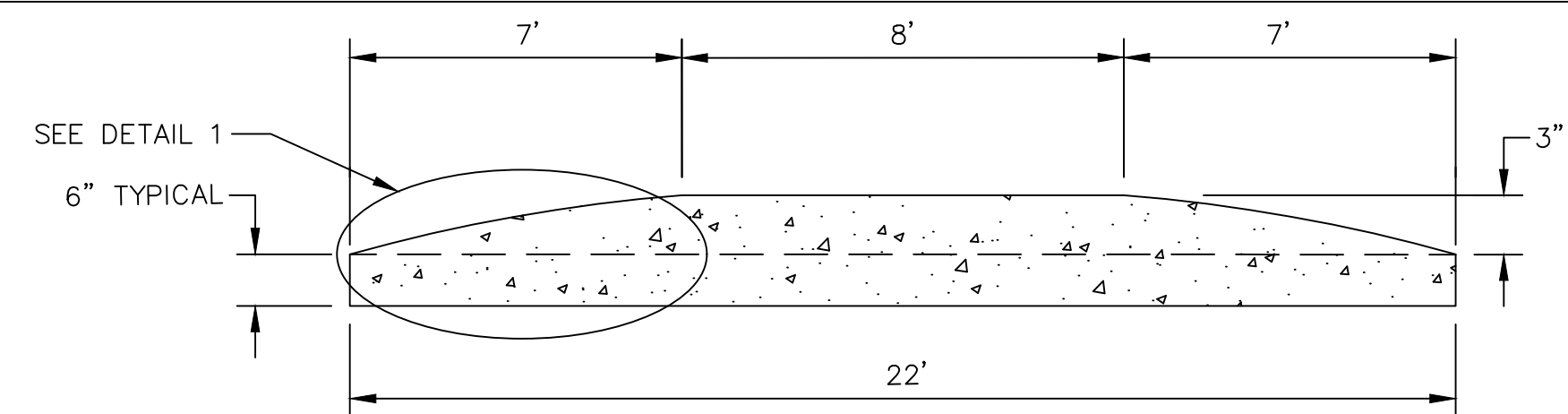
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - CONCRETE RAISE INTERSECTION DETAIL

SCALE PLAN: NTS
DRAWING No. 2022-004-11
SHEET No.

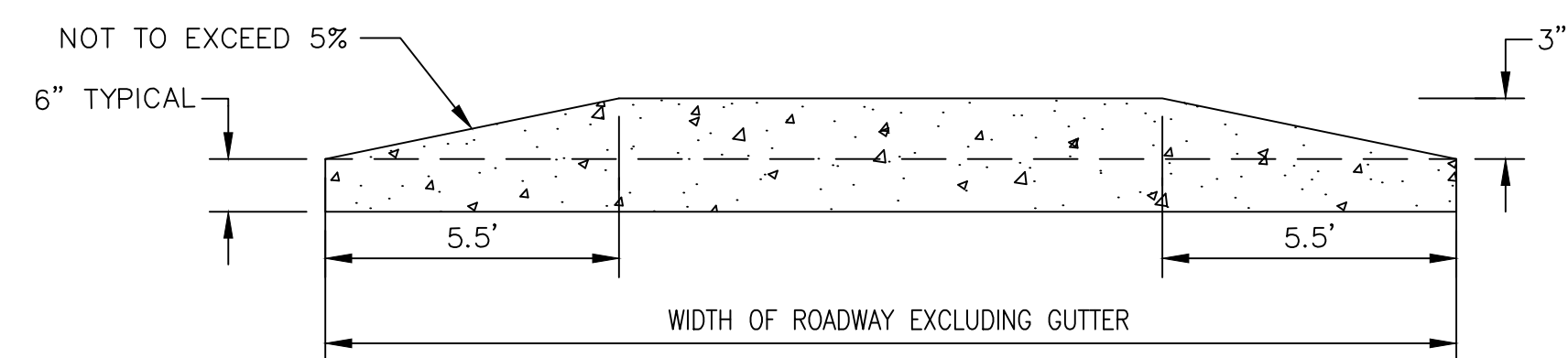
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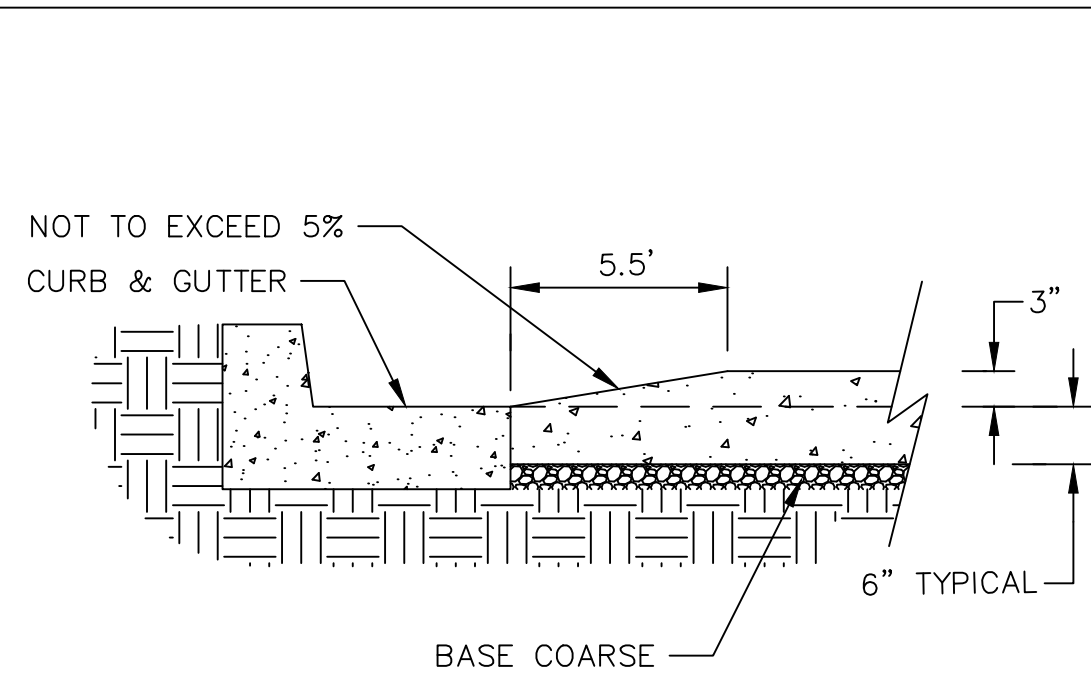
PLAN VIEW



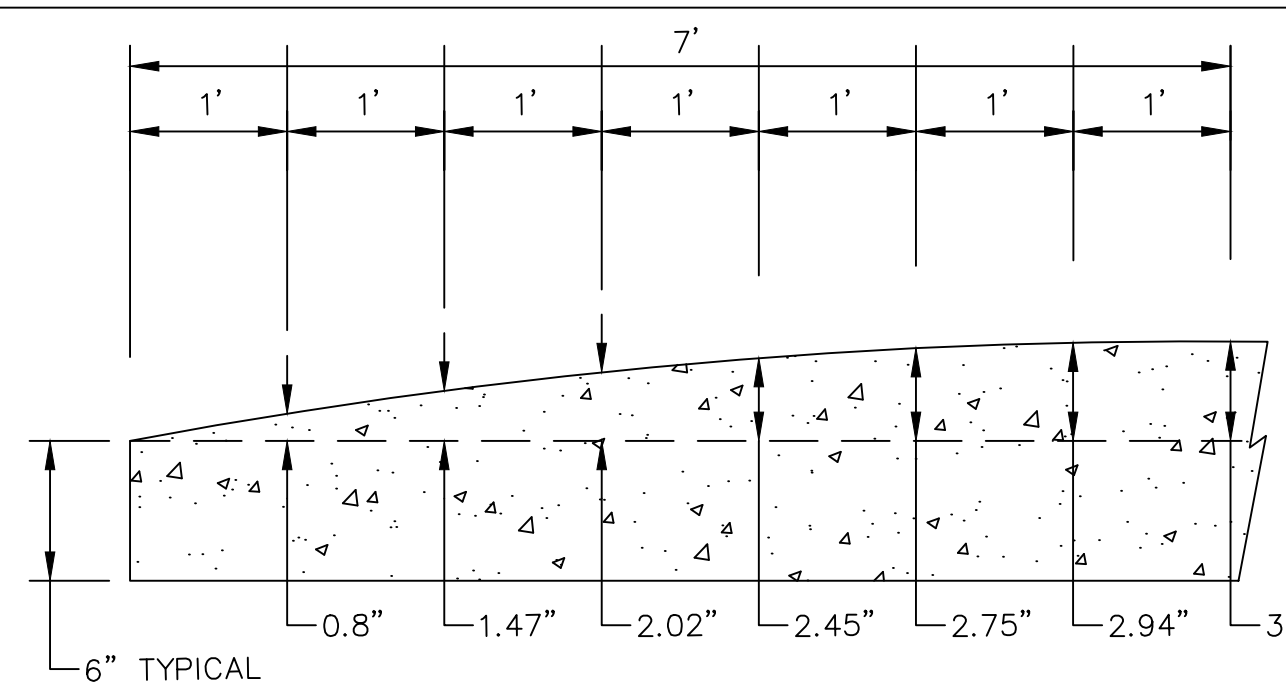
SECTION AA



SECTION BB



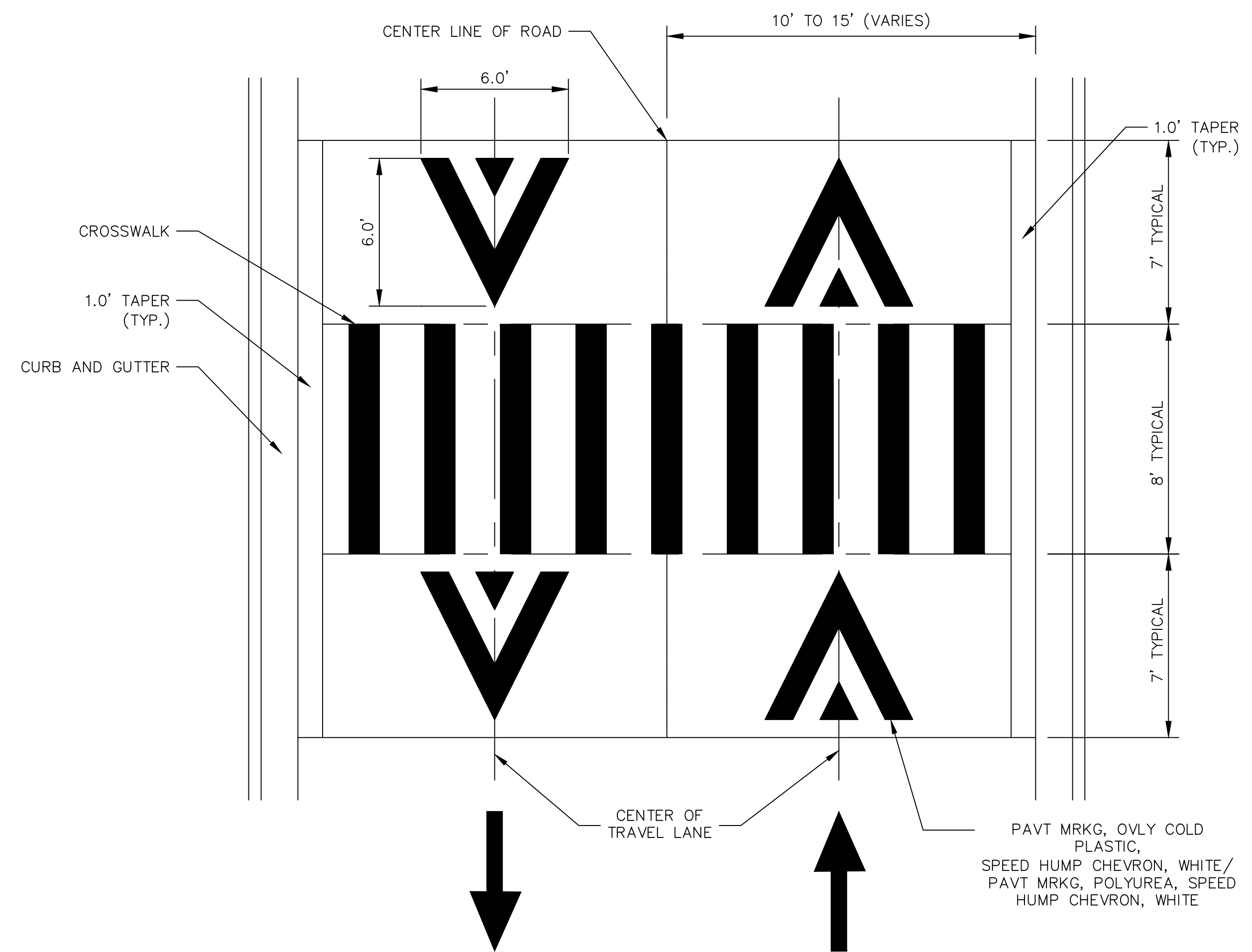
CURB DETAIL



DETAIL 1

CONCRETE RAISE CROSS WALK DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



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PUBLIC SERVICES
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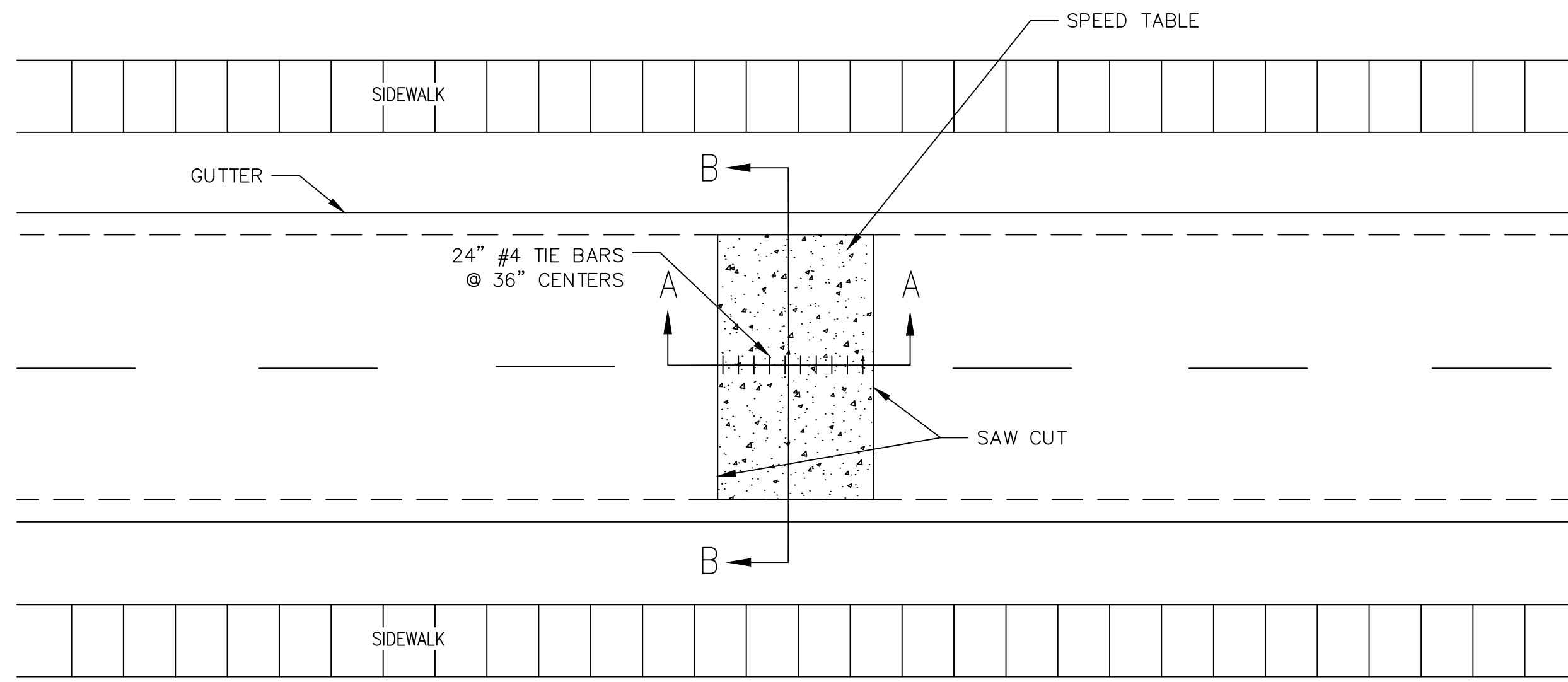
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - CONCRETE RAISE CROSS WALK DETAIL

SCALE PLAN: NTS
DRAWING No. 2022-004-12

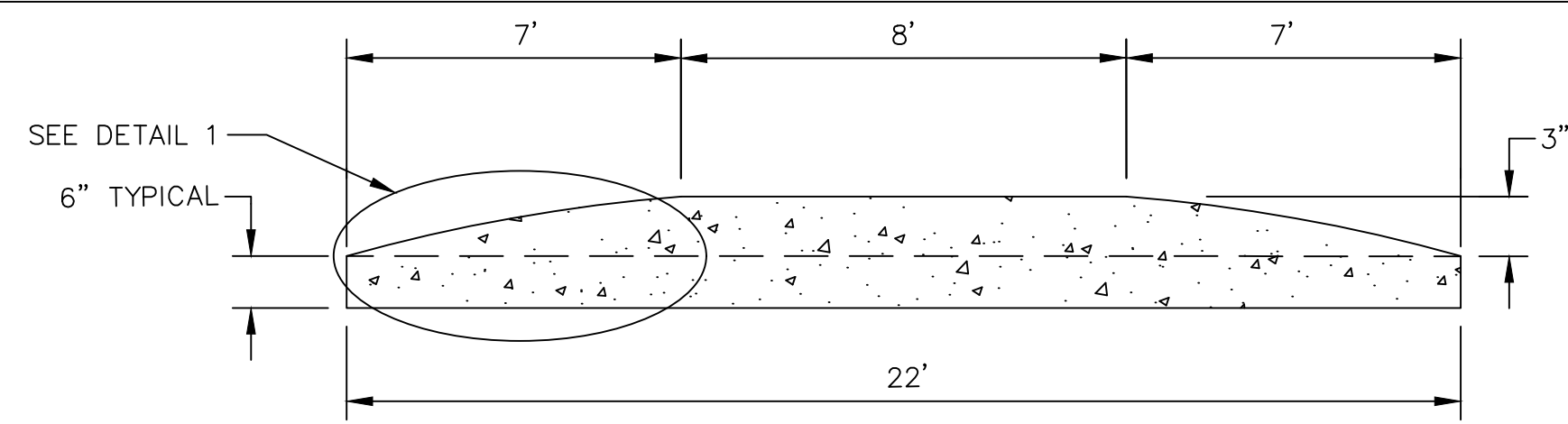
SHEET No.

REV.	DATE	DESCRIPTION	DRAWN	CHECKED
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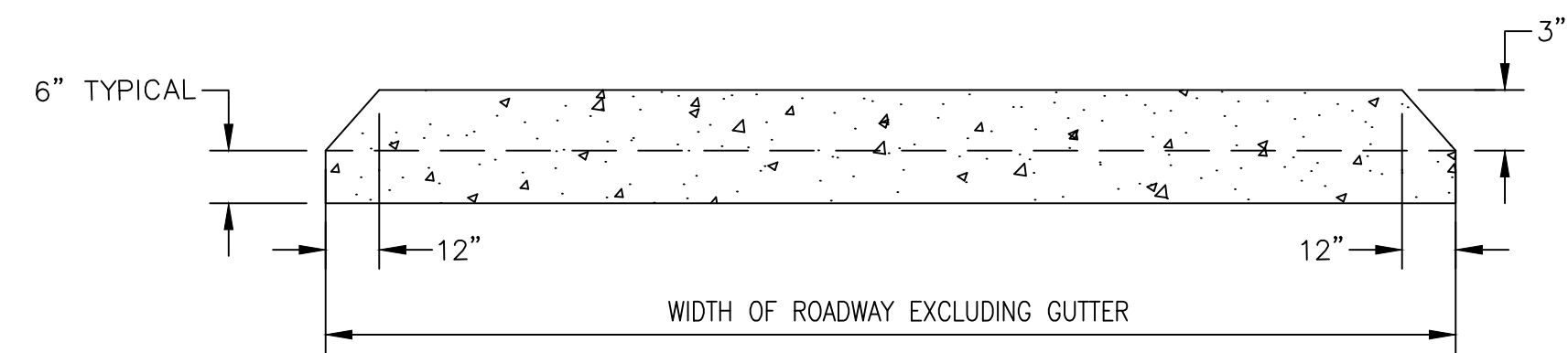
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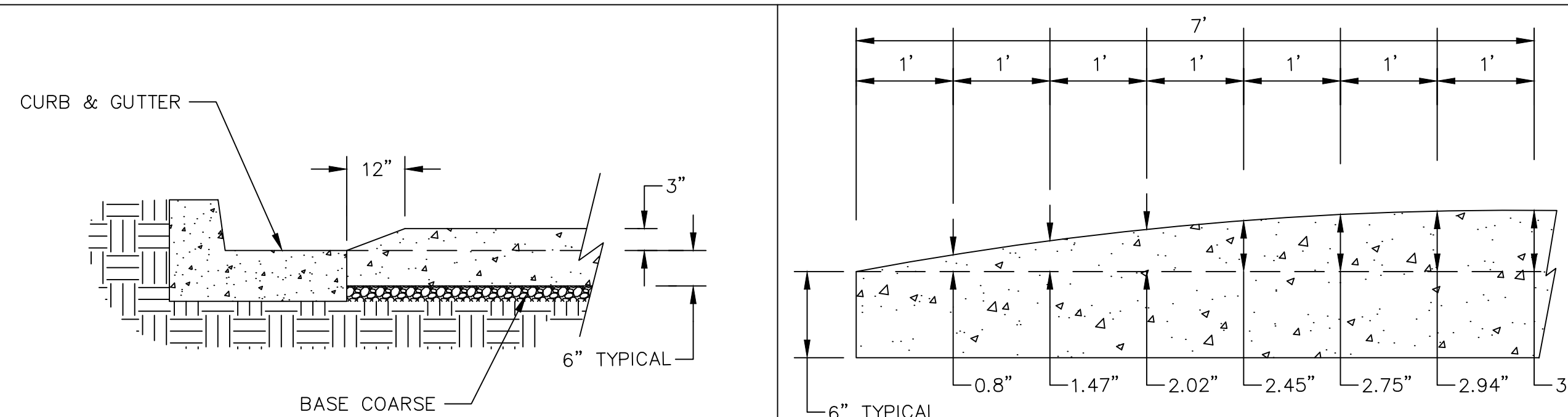
PLAN VIEW



SECTION AA



SECTION BB

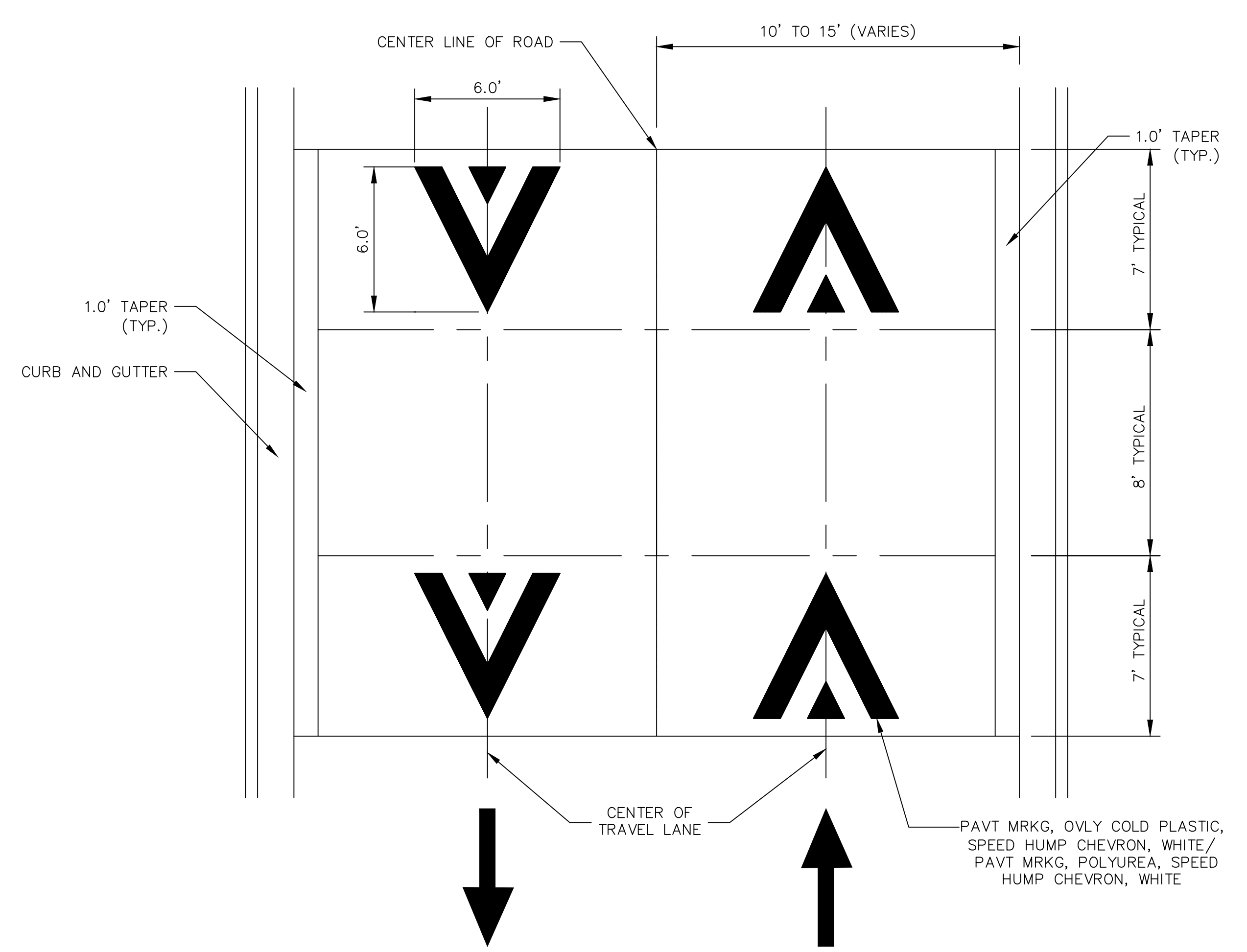


CURB DETAIL

DETAIL 1

CONCRETE SPEED TABLE DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
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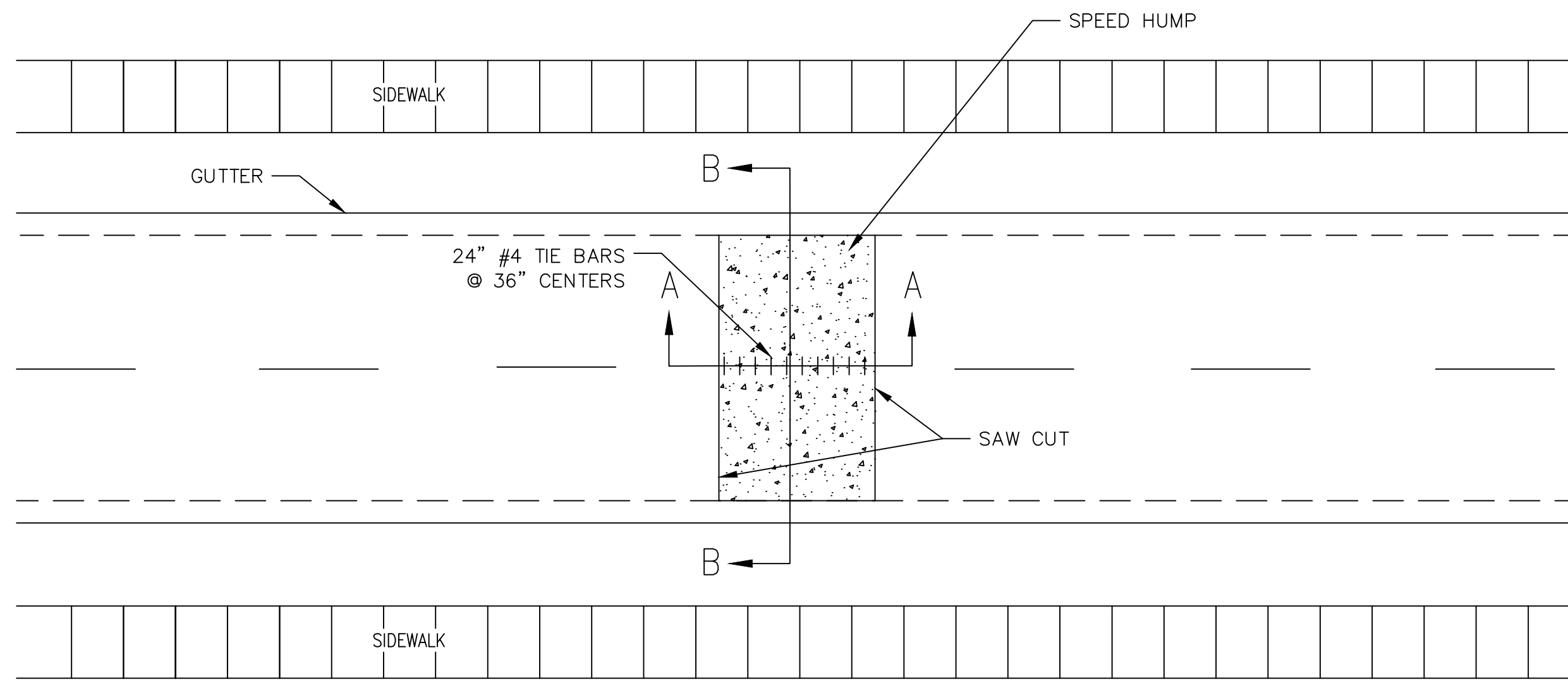
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00	3/09/2022	AG/CE/GS		

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 ANN ARBOR: 734.794.4410
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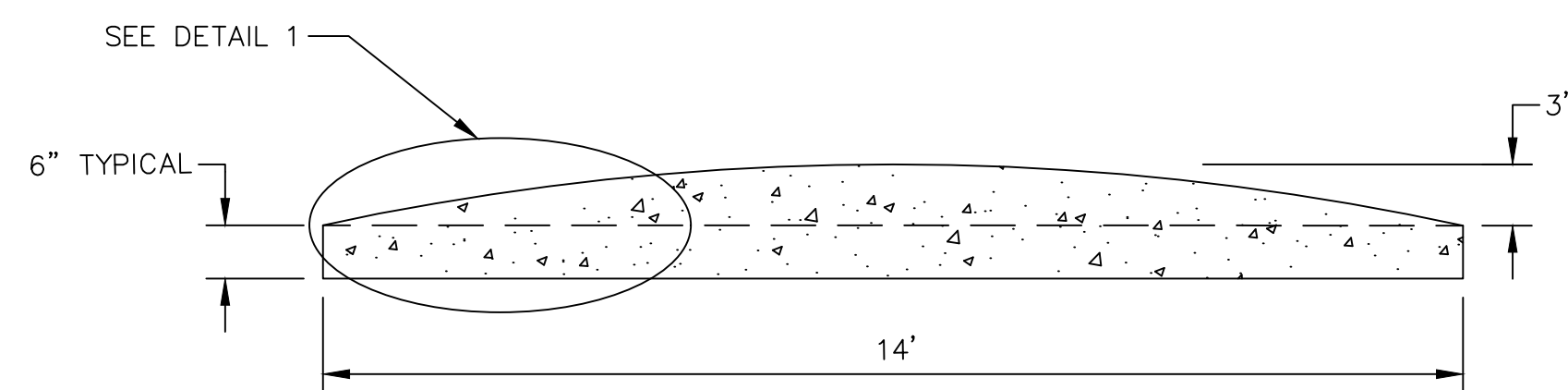
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 STREET RESURFACING PROJECT - 2022
 TRAFFIC CALMING DETAIL - CONCRETE SPEED TABLE DETAIL

SCALE PLAN: NTS
 DRAWING No. 2022-004-13

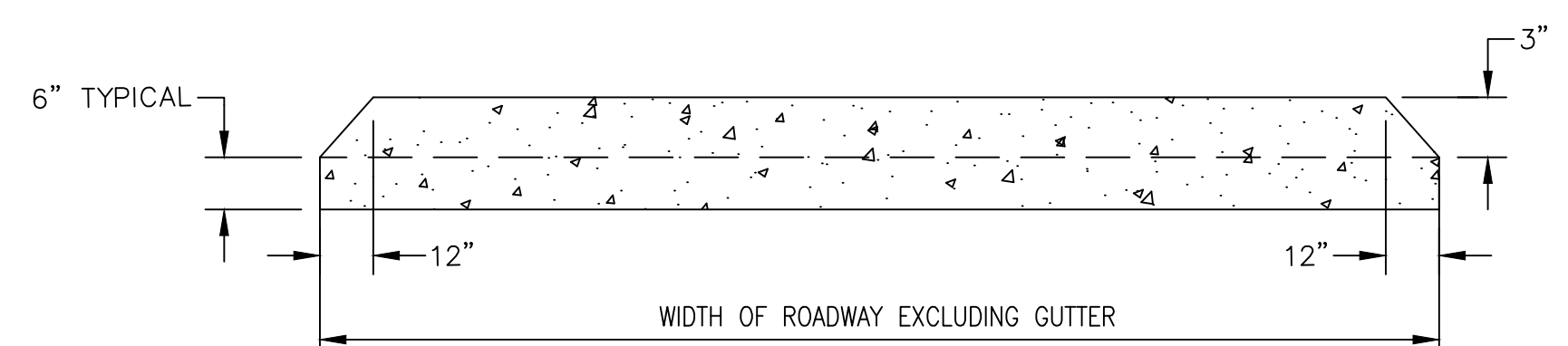
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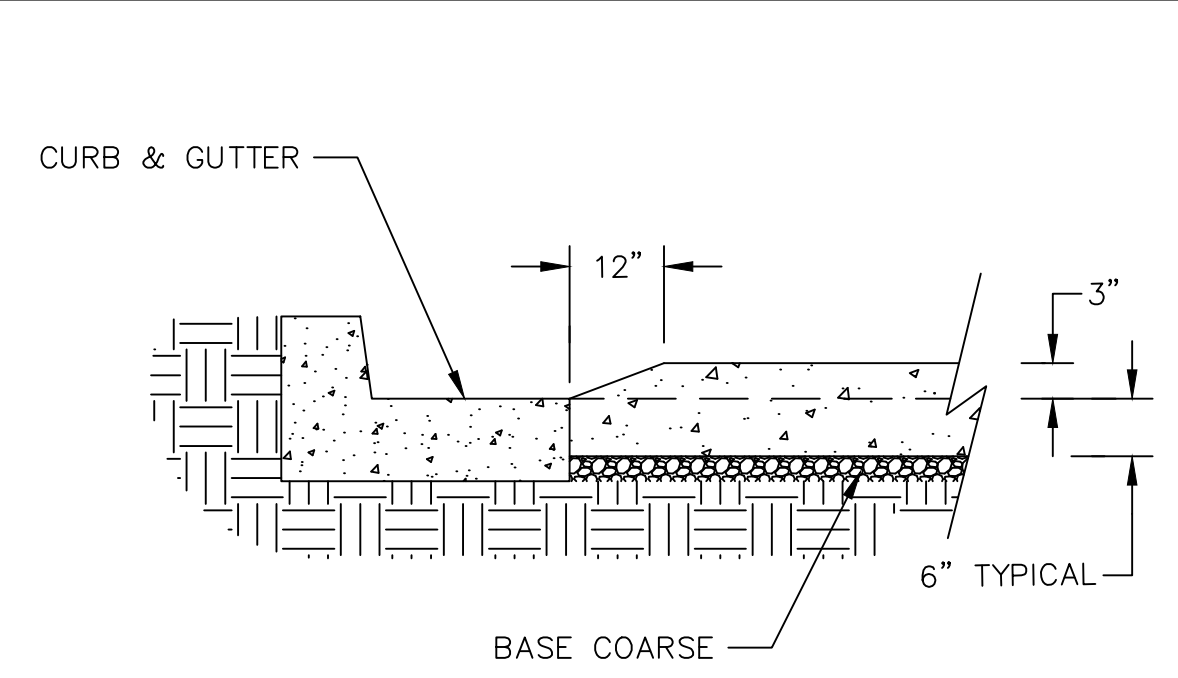
PLAN VIEW



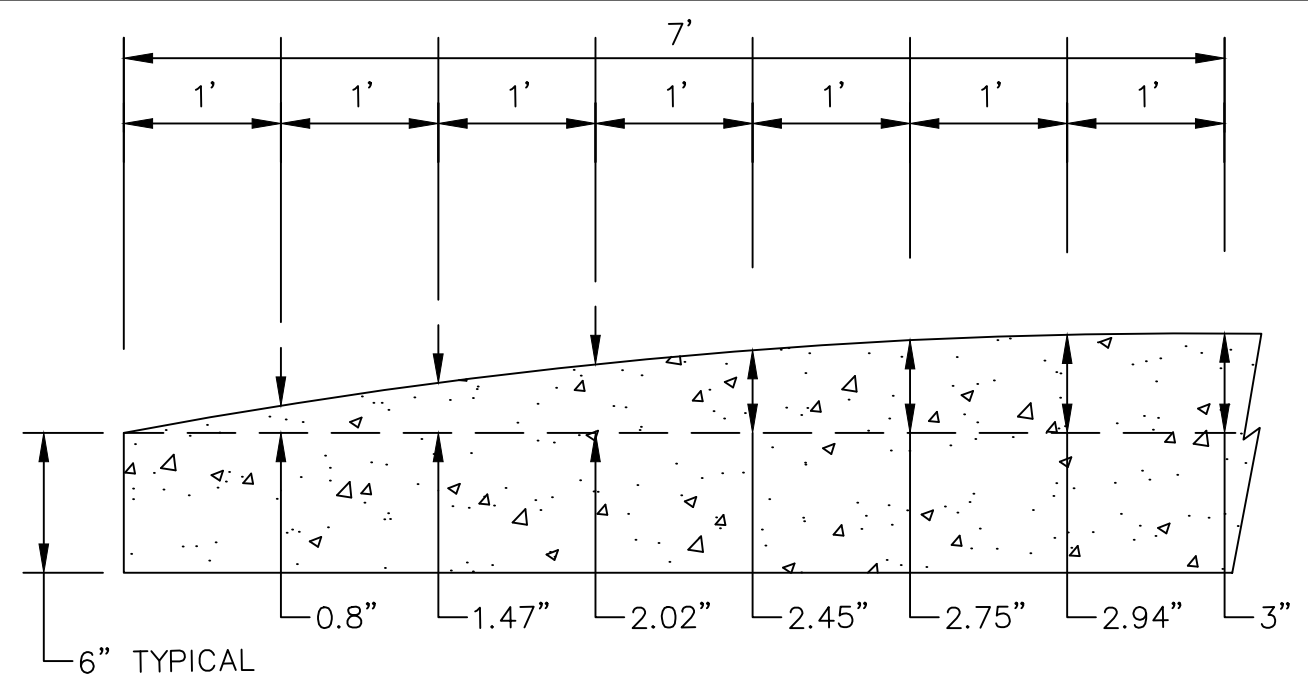
SECTION AA



SECTION BB



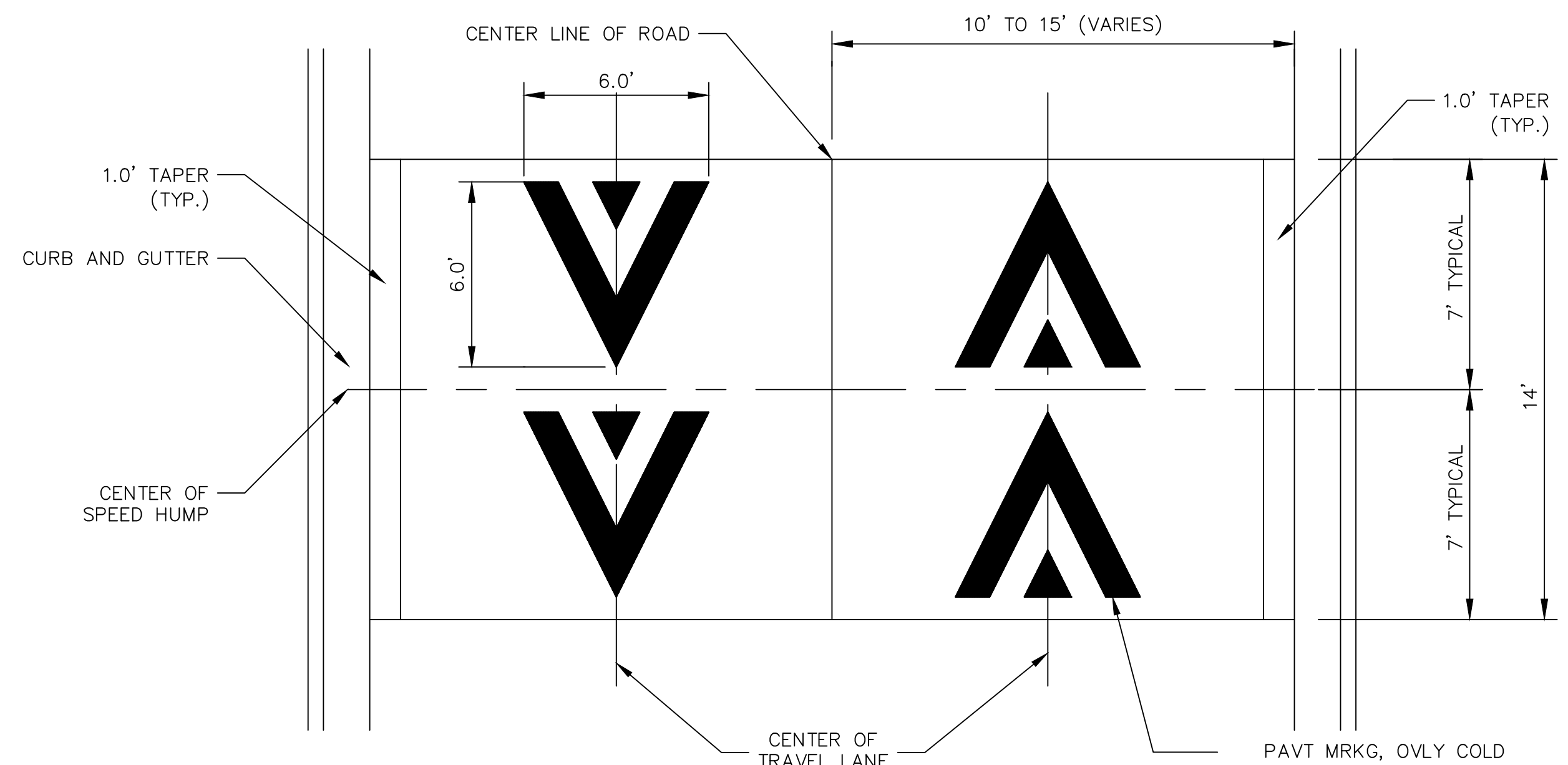
CURB DETAIL



DETAIL 1

CONCRETE SPEED HUMP DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
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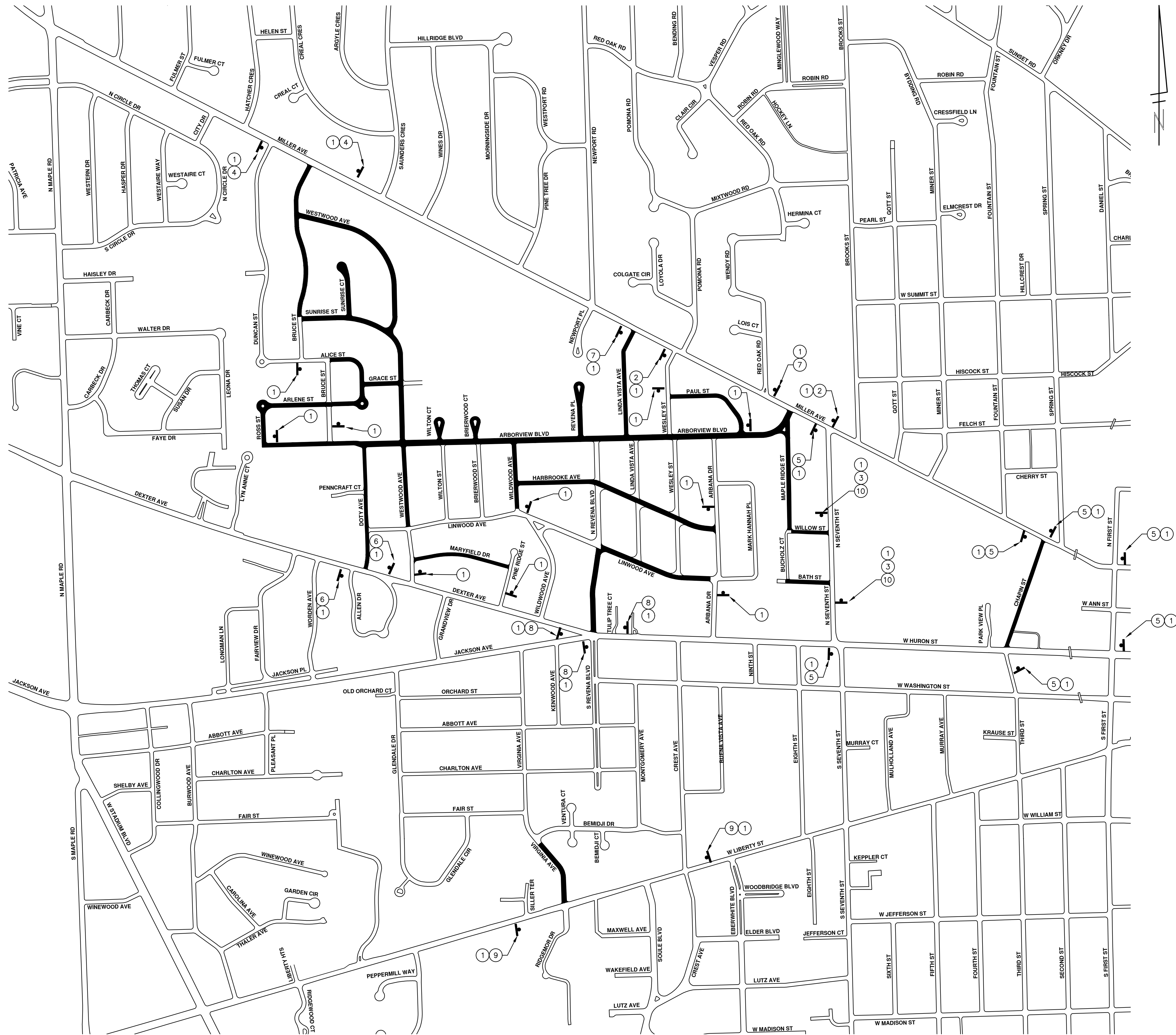
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 STREET RESURFACING PROJECT - 2022
 TRAFFIC CALMING DETAIL - CONCRETE SPEED HUMP DETAIL

SCALE PLAN: NTS
 DRAWING No. 2022-004-14

SHEET No. 14 OF 61



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		W20-1 36x36	32
②		D3-1	2
③		D3-1	2
④		D3-1	2
⑤		D3-1	7
⑥		D3-1	2
⑦		D3-1	2
⑧		D3-1	3
⑨		D3-1	2
⑩		D3-1	2

CONSTRUCTION NOTES:
 PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING. VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



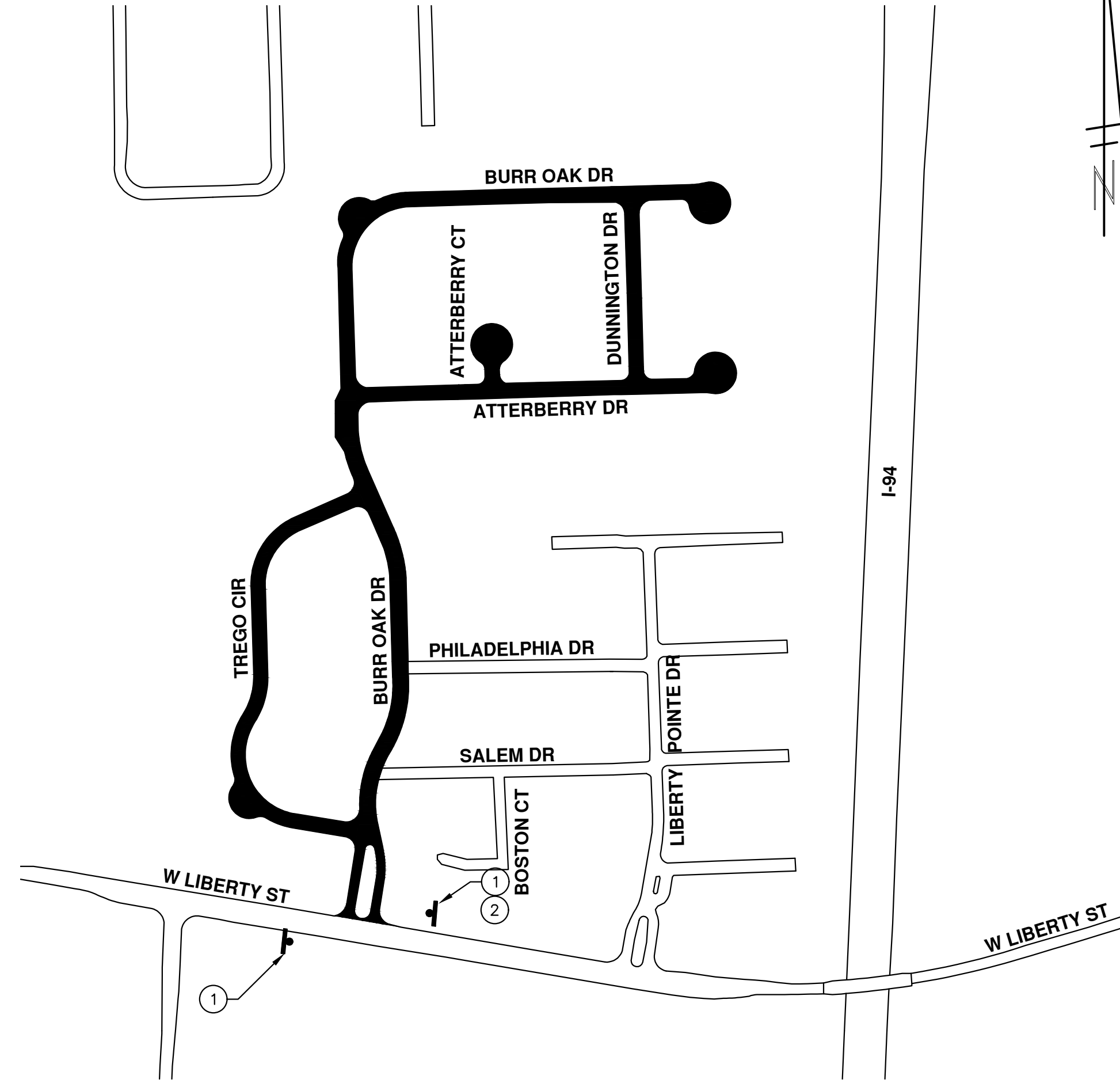
CITY OF ANN ARBOR
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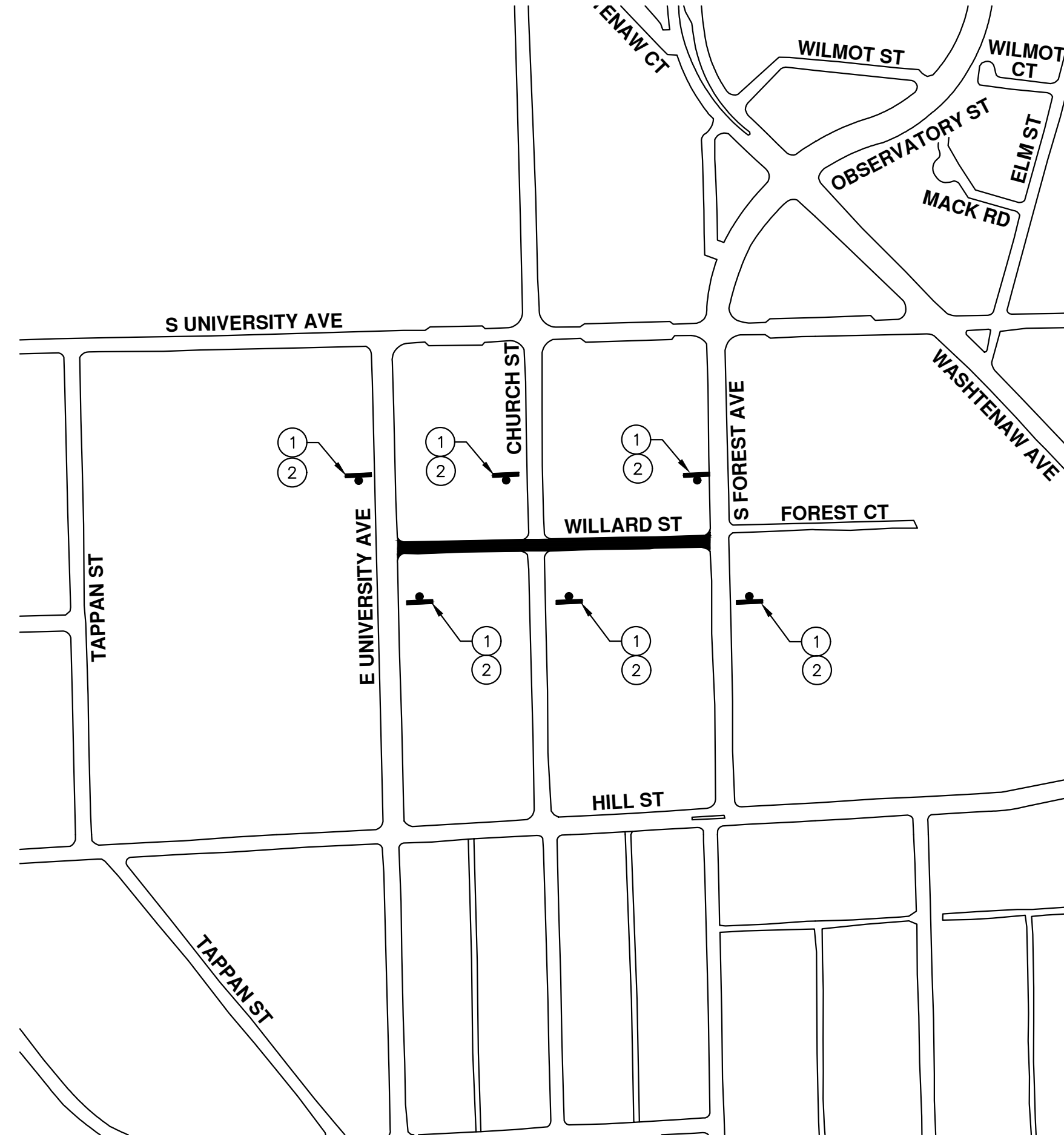
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
 LOCAL STREET TRAFFIC CONTROL

SCALE: NTS
 DRAWING No. 2022-004-15
 SHEET No. 15 OF 61

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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00	RFP SET	3/09/2022	AG/CE/GS	DAD



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		W20-1 36x36	2
③		D3-1	2



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		W20-1 36x36	6
②		D3-1	6



CONSTRUCTION NOTES:

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING. VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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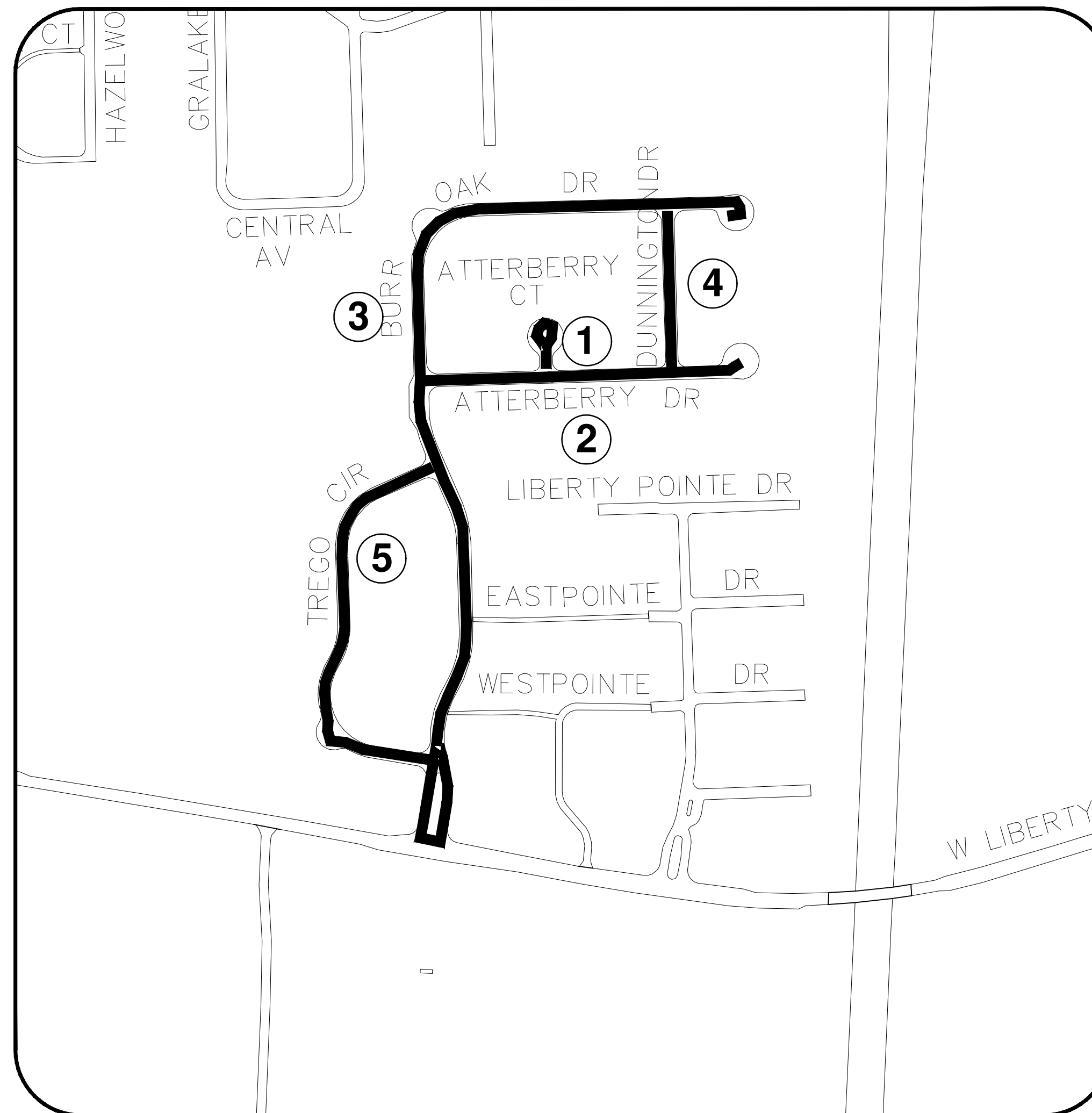
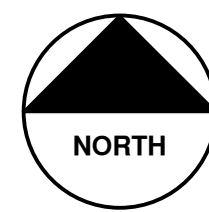




CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 1

RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
18	ATTERBERRY CT	1
19	ATTERBERRY CT	2
20	BURR OAK DR	3
21	DUNNINGTON DR	4
22	TREGO CIR	5

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 1
COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-17



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ATTERBERRY CT

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	90.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	43.000
2057011	_Grading, Sidewalk	Syd	22.000
2057011	_Grading, Sidewalk Ramp	Syd	20.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	2.000
4037050	_Dr Structure, Point	Ea	1.000
4037050	_Structure, Reconstruct	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	893.000
5010005	HMA Surface, Rem	Syd	20.000
5010025	Hand Patching	Tom	2.000
5010703	HMA, LVSP	Tom	104.000
6027021	_Flowable Fill	Cyd	2.000
8027001	_Curb and Gutter, Conc, Mountable	Ft	72.000
8030030	Curb Ramp Opening, Conc	Ft	18.000
8037001	_Detectable Warning Surface, Modified	Ft	15.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sf	180.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sf	10.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sf	200.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6.000
8127050	_Temporary No Parking Sign	Ea	7.000
8167011	_Slope Restoration	Syd	46.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	1.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
6. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
8. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
11. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
12. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

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

CITY OF ANN ARBOR PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
ATTERBERRY CT
COVER SHEET

CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
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SCALE : NTS

DRAWING No. 2022-004-18

SHEET No. 18 OF 61

			DAD	DAD	CHECKED
		AG/CE/GS	AG/CE/GS		DRAWN
		3/28/2022	3/09/2022		DATE
		ADDENDUM 01			DESCRIPTION
01	RFP SET				REV.
00					REV.

T:\2022004\Plan Production\2022004 - Atterberry Ct.dwg - _g2 standard bw.stb - Plot Date: 3/28/2022 12:57:38 AM



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ATTERBERRY DR

RFP NO. 22-26 FILE No. 2022-004



01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD	CHECKED
00	RFP SET	3/09/2022	AG/CE/GS	DAD	CHECKED
			DATE		DRAWN
					DESCRIPTION

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CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
ATTERBERRY DR
SUBSET COVER SHEET

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	167.000
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	107.000
2057011	..Grading, Driveway Approach	Syd	20.000
2057011	..Grading, Sidewalk	Syd	61.000
2057011	..Grading, Sidewalk Ramp	Syd	26.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	6.000
4037050	..Dr Structure, Adj, Case 1, Modified	Ea	1.000
4037050	..Dr Structure, Point	Ea	6.000
5010002	Cold Milling HMA Surface	Syd	3,725.000
5010005	HMA Surface, Rem	Syd	37.000
5010025	Hand Patching	Ton	4.000
5010703	HMA, LVSP	Ton	431.000
6027021	..Flowable Fill	Cyd	3.000
8017011	..Driveway, Nonreinfc Conc, 6 inch, Modified	Syd	20.000
8027001	..Curb and Gutter, Conc, Mountable	Ft	128.000
8030030	Curb Ramp Opening, Conc	Ft	39.000
8037001	..Detectable Warning Surface, Modified	Ft	25.000
8037010	..Sidewalk Ramp, Conc, 6 inch, Modified	Sft	237.000
8037010	..Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	30.000
8037010	..Sidewalk, Conc, 4 inch, Modified	Sft	550.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	40.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	40.000
8127050	..Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	..Temporary No Parking Sign	Ea	27.000
8167011	..Slope Restoration	Syd	83.000
8507050	..HMA Surface, Around Structure Cover, Rem	Ea	2.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH – 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
6. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
8. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
11. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
12. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

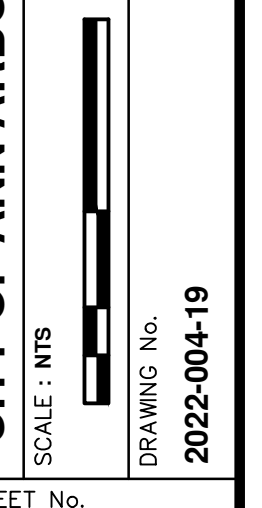
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

T:\2022\04\Plan Production\2022004 - Atterberry, Dr.dwg - _a2 standard bw.stb - Plot Date: 3/28/2022 1:03:39 AM





CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BURR OAK DR

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
6. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
8. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
11. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
12. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THIS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

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QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Fl	935.000
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	165.000
2057011	..Grading, Driveway Approach	Syd	21.000
2057011	..Grading, Sidewalk	Syd	73.000
2057011	..Grading, Sidewalk Ramp	Syd	70.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	17.000
4037050	..Dr Structure, Adj, Case 1, Modified	Ea	2.000
4037050	..Dr Structure, Point	Ea	11.000
5010002	Cold Milling HMA Surface	Syd	9800.000
5010005	HMA Surface, Rem	Syd	208.000
5010025	Hand Patching	Ton	24.000
5010703	HMA, LVSP	Ton	1132.000
8017011	..Driveway, Nonrein Conc, 6 inch, Modified	Syd	21.000
8027001	..Curb and Gutter, Conc, Barrier	Fl	608.000
8027001	..Curb and Gutter, Conc, Mountable	Fl	251.000
8030030	Curb Ramp Opening, Conc	Fl	84.000
8037001	..Detectable Warning Surface, Modified	Fl	70.000
8037010	..Sidewalk Ramp, Conc, 6 inch, Modified	Str	630.000
8037010	..Sidewalk, Conc, 4 inch, Modified	Str	654.000
8110214	Pavt Mng, Thermopl, 12 inch, Crosswalk	Fl	136.000
8110218	Pavt Mng, Thermopl, 24 inch, Stop Bar	Fl	15.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	20.000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	20.000
8120141	Lighted Arrow, Type C, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	62.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	62.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Str	74.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Str	74.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Str	16.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Str	16.000
8127050	..Pedestrian Type II Barricade, Temp	Ea	8.000
8167011	..Slope Restoration	Syd	155.000
8507050	..HMA Surface, Around Structure Cover, Rem	Ea	19.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
4	*D3-1	Street Name Sign	4.000	16.000



		DAD		CHECKED
		AG/CE/GS		DRAWN
	3/28/2022	AG/CE/GS		
	3/09/2022	AG/CE/GS		
		DATE		DESCRIPTION
01	ADDENDUM 01			
00	RFP SET			REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
BURR OAK DR
SUBSET COVER SHEET

SCALE : NTS
DRAWING No. 2022-004-20



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: DUNNINGTON DR

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	210.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	82.000
2057011	_Grading, Sidewalk	Syd	50.000
2057011	_Grading, Sidewalk Ramp	Syd	32.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	2.000
4037050	_Dr Structure, Point	Ea	2.000
5010002	Cold Milling HMA Surface	Syd	1,385.000
5010005	HMA Surface, Rem	Syd	47.000
5010025	Hand Patching	Ton	5.000
5010703	HMA, LVSP	Ton	160.000
6027021	_Flowable Fill	Cyd	4.000
8027001	_Curb and Gutter, Conc, Mountable	Ft	174.000
8030030	Curb Ramp Opening, Conc	Ft	36.000
8037001	_Detectable Warning Surface, Modified	Ft	30.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sr	288.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sr	15.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sr	450.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6.000
8127050	_Temporary No Parking Sign	Ea	15.000
8167011	_Slope Restoration	Syd	85.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	1.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



		AG/CE/GS	DAD	DAD	CHECKED
	3/28/2022	AG/CE/GS			DRAWN
	3/09/2022	AG/CE/GS			CHECKED
		DATE			
	01	ADDENDUM 01			
	00	RFP SET			
					REV.
					DESCRIPTION

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
734.794.4410
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
DUNNINGTON DR
SUBSET COVER SHEET

SCALE : NTS
DRAWING No. 2022-004-21

SHEET No.



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: TREGO CIR

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	357.000
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	97.000
2057011	..Grading, Sidewalk	Syd	67.000
2057011	..Grading, Sidewalk Ramp	Syd	31.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	8.000
4037050	..Dr Structure, Point	Ea	8.000
5010002	Cold Milling HMA Surface	Syd	3,796.000
5010005	HMA Surface, Rem	Syd	79.000
5010025	Hand Patching	Ton	9.000
5010703	HMA, LVSP	Ton	439.000
8027001	..Curb and Gutter, Conc, Barrier	Ft	18.000
8027001	..Curb and Gutter, Conc, Mountable	Ft	280.000
8030030	Curb Ramp Opening, Conc	Ft	59.000
8037001	..Detectable Warning Surface, Modified	Ft	40.000
8037010	..Sidewalk Ramp, Conc, 6 inch, Modified	Sft	277.000
8037010	..Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	20.000
8037010	..Sidewalk, Conc, 4 inch, Modified	Sft	600.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	30.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	30.000
8127050	..Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	..Temporary No Parking Sign	Ea	34.000
8167011	..Slope Restoration	Syd	90.000
8507050	..HMA Surface, Around Structure Cover, Rem	Ea	5.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
2.0	R11-4	Road Closed To Thru Traffic	12.500	25.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
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6. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
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NOTES

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REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TREGO CIR
SUBSET COVER SHEET

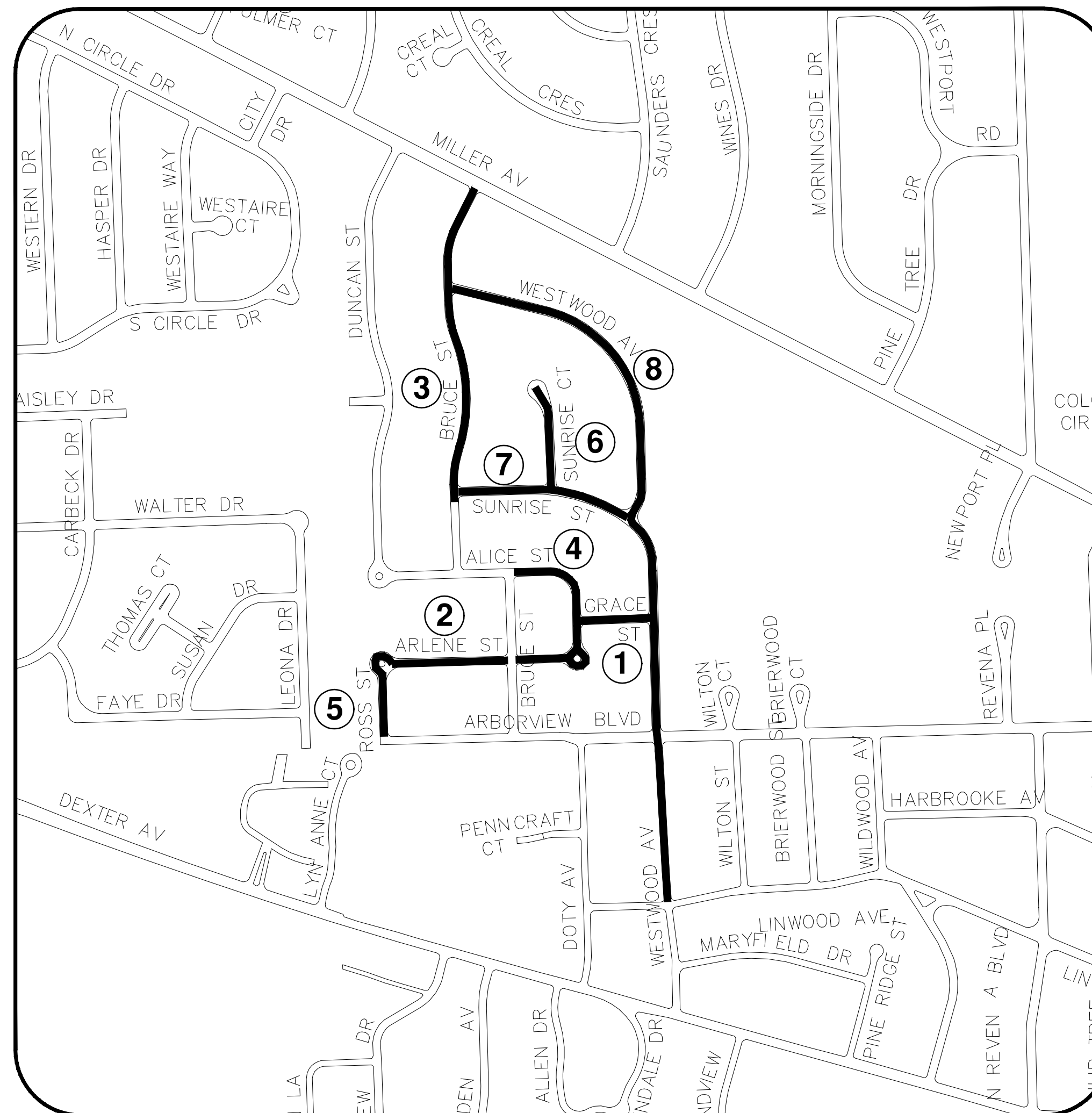
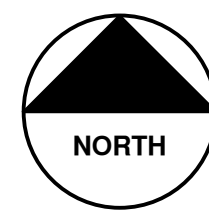
SCALE: NTS
DRAWING No. 2022-004-22



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 2

RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
24	ALICE ST	1
25	ARLENE ST	2
26	BRUCE ST	3
27	GRACE ST	4
28	ROSS ST	5
29	SUNRISE CT	6
30	SUNRISE ST	7
31	WESTWOOD AVE	8

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE.

ALICE ST
ARLENE ST
GRACE ST
ROSS ST
SUNRISE CT
WESTWOOD AVE



REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4410
www.a2gov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 2
COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-23



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ALICE STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.


QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1,000
2030015	Sewer, Rem, Less than 24 inch	Ft	10,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	145,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	6,000
2057011	_Grading, Sidewalk Ramp	Syd	6,000
2057011	_Machine Grading, Special	Syd	1,097,000
2057021	_Undercutting, Type IIA	Cyd	37,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	3,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10,000
4021260	Trench Undercut and Backfill	Cyd	3,000
4030200	Dr Structure, 24 inch dia	Ea	1,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1,000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	3,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	3,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10,000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	1,000
5010002	Cold Milling HMA Surface	Syd	1,097,000
5010005	HMA Surface, Rem	Syd	44,000
5010025	Hand Patching	Ton	2,000
5010703	HMA, LVSP	Ton	254,000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	89,000
5017031	_HMA, Wedging, 36A	Ton	3,080
6027021	_Flowable Fill	Cyd	3,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	147,000
8030030	Curb Ramp Opening, Conc	Ft	6,000
8037001	_Detectable Warning Surface, Modified	Ft	5,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	56,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	10,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	10,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	3,000
8127050	_Temporary No Parking Sign	Ea	10,000
8167011	_Slope Restoration	Syd	49,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
0.0	*D3-1	Street Name Sign	4,000	0,000



REV	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-8647
www.aagov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
ALICE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-24
SHEET No. 24 OF 61

T:\2022\004\Plan Production\2022004 - Alice Street.dwg - _a2_standard bw.stb - Plot Date: 3/28/2022 1:08:06 AM



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ARLENE STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
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- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
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- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
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NOTES

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Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	7.000
2030015	Sewer, Rem, Less than 24 inch	Ft	70.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	195.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	37.000
2057011	_Grading, Driveway Approach	Syd	21.000
2057011	_Grading, Sidewalk	Syd	3.000
2057011	_Grading, Sidewalk Ramp	Syd	12.000
2057011	_Machine Grading, Special	Syd	3,017.000
2057021	_Undercutting, Type IIA	Cyd	101.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	14.000
4020987	Sewer, CI IV, 12 inch, T1 Det B	Ft	70.000
4021260	Trench Undercut and Backfill	Cyd	21.000
4030200	Dr Structure, 24 inch dia	Ea	7.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	2.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	7.000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	6.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	9.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	7.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	70.000
5010002	Cold Milling HMA Surface	Syd	3,017.000
5010005	HMA Surface, Rem	Syd	94.000
5010025	Hand Patching	Ton	3.000
5010703	HMA, LVSP	Ton	698.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	278.000
5017021	_HMA, Wedging, 36A	Ton	7.920
6027021	_Flowable Fill	Cyd	4.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	21.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	154.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	42.000
8030030	Curb Ramp Opening, Conc	Ft	12.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	112.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	25.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	3.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	3.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	26.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	26.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	27.000
8167011	_Slope Restoration	Syd	76.000

Quantity	Sign Code	Description	Area (sqft)	Total Area (Sft)
3.0	R11-4	Road Closed To Thru Traffic	12.500	38.000

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REV	DESCRIPTION	DATE	AG/CE/OS	DAD	CHECKED
01	ADDENDUM 01	3/28/2022	AG/CE/OS	DAD	CHECKED
00	RFP SET	3/09/2022	AG/CE/OS	DAD	CHECKED

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR MI 48107-8647
www.a2gov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
ARLENE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-25



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BRUCE STREET

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	6.000
2030015	Sewer, Rem, Less than 24 inch	Ft	60.000
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	222.000
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	39.000
2057011	..Grading, Driveway Approach	Syd	39.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	8.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	60.000
4021280	Trench Undercut and Backfill	Cyd	18.000
4030200	Dr Structure, 24 inch dia	Ea	6.000
4037050	..Dr Structure Cover, Type K, Modified	Ea	7.000
4037050	..Dr Structure, Adj, Case 1, Modified	Ea	1.000
4047001	..Underdrain, Subgrade, 6 inch, Special	Ft	60.000
5010002	Cold Milling HMA Surface	Syd	3,801.000
5010005	HMA Surface, Rem	Syd	199.000
5010025	Hand Patching	Ton	6.000
5010703	HMA, LVSP	Ton	439.000
5017011	..Cold Milling for Concrete Curb and Gutter Reveal	Syd	348.000
5017011	..Cold Milling HMA Surface, Driveway Approach	Syd	149.330
5017031	..HMA, Wedging, 36A	Ton	9.000
8017011	..Driveway, Nonrein Conc, 6 inch, Modified	Syd	39.000
8027001	..Curb and Gutter, Conc, Barrier	Ft	170.000
8027001	..Driveway Opening, Conc, Det M, Modified	Ft	66.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	3.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	3.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	25.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	25.000
8120310	Sign Cover	Ea	2.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	95.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	95.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	20.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	20.000
8127050	..Temporary No Parking Sign	Ea	34.000
8167011	..Slope Restoration	Syd	88.000
8507050	..HMA Surface, Around Structure Cover, Rem	Ea	15.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
4.0	R11-3a	Road Closed Local Traffic Only	12.500	50.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH – 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
6. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
8. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
11. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
12. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD
00	RFP SET	3/09/2022	AG/CE/GS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
BRUCE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-26



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: GRACE STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2,000
2030015	Sewer, Rem, Less than 24 inch	Ft	20,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	260,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	75,000
2057011	_Grading, Driveway Approach	Syd	12,000
2057011	_Grading, Sidewalk	Syd	25,000
2057011	_Grading, Sidewalk Ramp	Syd	37,000
2057011	_Machine Grading, Special	Syd	873,000
2057021	_Undercutting, Type IIA	Cyd	29,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	3,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20,000
4021260	Trench Undercut and Backfill	Cyd	6,000
4030200	Dr Structure, 24 inch dia	Ea	2,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2,000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	2,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	2,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	2,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20,000
5010002	Cold Milling HMA Surface	Syd	873,000
5010005	HMA Surface, Rem	Syd	29,000
5010025	Hand Patching	Ton	3,000
5010703	HMA, LVSP	Ton	202,000
6027021	_Flowable Fill	Cyd	5,000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	12,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	170,000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	42,000
8030030	Curb Ramp Opening, Conc	Ft	48,000
8037001	_Detectable Warning Surface, Modified	Ft	40,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sr	334,000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sr	40,000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sr	225,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6,000
8127050	_Temporary No Parking Sign	Ea	8,000
8167011	_Slope Restoration	Syd	120,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sq)
1	R11-3a	Road Closed Local Traffic Only	12,500	13,000



01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD	CHECKED
00	RFP SET	3/09/2022	AG/CE/GS	DAD	DRAWN
			DATE		DESCRIPTION
					REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
GRACE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-27



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ROSS STREET

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	4.000
2030015	Sewer, Rem, Less than 24 inch	Ft	40.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	90.000
2057011	_Machine Grading, Special	Syd	1,501.000
2057021	_Undercutting, Type IIA	Cyrd	50.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	4.000
4020967	Sewer, CI IV, 12 inch, Tl Det B	Ft	40.000
4021260	Trench Undercut and Backfill	Cyrd	12.000
4030200	Dr Structure, 24 inch dia	Ea	4.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	4.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	40.000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	1.000
5010002	Cold Milling HMA Surface	Syd	1,501.000
5010005	HMA Surface, Rem	Syd	19.000
5010025	Hand Patching	Ton	1.000
5010703	HMA, LVSP	Ton	347.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	136.000
5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	9.330
5017031	_HMA, Wedging, 36A	Ton	1.000
6027021	_Flowable Fill	Cyrd	2.000
8027001	_Curb end Gutter, Conc, Barrier	Ft	93.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	5.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	14.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	14.000
8127050	_Temporary No Parking Sign	Ea	13.000
8167011	_Slope Restoration	Syd	31.000
8507050	_Private Utility Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
1	R11-4	Road Closed To Thru Traffic	12.500	13.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

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- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
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- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
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- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
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- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

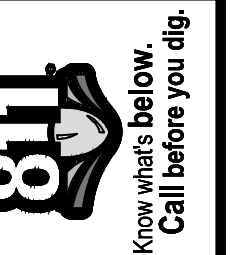
NOTES

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REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
ROSS STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-28



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SUNRISE CT

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2057011	_Machine Grading, Special	Syd	1,735.000
2057021	_Undercutting, Type IA	Cyd	33.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	4.000
5010002	Cold Milling HMA Surface	Syd	1,735.000
5010005	HMA Surface, Rem	Syd	48.000
5010703	HMA, LVSP	Ton	392.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	109.330
5017031	_HMA, Wedging, 36A	Ton	3.000
8110214	Pavt Mktg, Thermopl, 12 inch, Crosswalk	Ft	88.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	10.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	10.000


T:\2022\004\Plan_Production\2022\004 - Sunrise Ct.dwg - _a2_standard bw.stb - Plot Date: 3/28/2022 1:18:57 AM



Know what's below.
Call before you dig.

			3/28/2022	3/28/2022					
		ADDENDUM 01	RFP SET						

CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
SUNRISE CT
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-29

SHEET No. 29 OF 61



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SUNRISE STREET

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2.000
2030015	Sewer, Rem, Less than 24 inch	Ft	20.000
2047001	._Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	107.000
2047011	._Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	50.000
2057011	._Grading, Driveway Approach	Syd	8.000
2057011	._Grading, Sidewalk	Syd	17.000
2057011	._Grading, Sidewalk Ramp	Syd	9.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	12.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20.000
4021290	Trench Undercut and Backfill	Cyd	6.000
4030200	Dr Structure, 24 inch dia	Ea	2.000
4037050	._Dr Structure Cover, Type D, Modified	Ea	1.000
4037050	._Dr Structure Cover, Type K, Modified	Ea	1.000
4047001	._Underdrain, Subgrade, 6 inch, Special	Ft	20.000
5010002	Cold Milling HMA Surface	Syd	2,310.000
5010005	HMA Surface, Rem	Syd	68.000
5010025	Hand Patching	Ton	3.000
5010703	HMA LVSP	Ton	267.000
5017011	._Cold Milling for Concrete Curb and Gutter Reveal	Syd	192.000
5017011	._Cold Milling HMA Surface, Driveway Approach	Syd	44.000
5017031	._HMA, Wedging, 36A	Ton	4.840
8017011	._Driveway, Nonrein Conc, 6 inch, Modified	Syd	8.000
8027001	._Curb and Gutter, Conc, Barrier	Ft	60.000
8027001	._Driveway Opening, Conc, Del M, Modified	Ft	33.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	._Detectable Warning Surface, Modified	Ft	10.000
8037010	._Sidewalk Ramp, Conc, 6 inch, Modified	Slt	84.000
8037010	._Sidewalk, Conc, 4 inch, Modified	Slt	150.000
8110214	Pavt Mkg, Thermopt, 12 inch, Crosswalk	Ft	91.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	3.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	3.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	25.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	25.000
8127050	._Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	._Temporary No Parking Sign	Ea	18.000
8167011	._Slope Restoration	Syd	70.000
8507050	._HMA Surface, Around Structure Cover, Rem	Ea	6.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
2.0	R11-4	Road Closed To Thru Traffic	12.500	25.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH – 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
6. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
8. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
11. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
12. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
SUNRISE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-30



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WESTWOOD AVE

ITB No. RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	9.000
2030015	Sewer, Rem, Less than 24 inch	Ft	90.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	375.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	97.000
2057011	_Grading, Driveway Approach	Syd	18.000
2057011	_Grading, Sidewalk	Syd	33.000
2057011	_Grading, Sidewalk Ramp	Syd	31.000
2057011	_Machine Grading, Special	Syd	10,132.000
2057021	_Undercutting, Type IIA	Cyd	338.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	21.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	90.000
4021280	Trench Undercut and Backfill	Cyd	27.000
4030200	Dr Structure, 24 inch dia	Ea	9.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	11.000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	26.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	31.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	29.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	90.000
5010002	Cold Milling HMA Surface	Syd	10,132.000
5010005	HMA Surface, Rem	Syd	302.000
5010025	Hand Patching	Ton	5.000
5010703	HMA, LVSP	Ton	2,341.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	902.000
5017011	_Cold Milling HMA Surface, Driveway Approach	Ea	259.890
5017031	_HMA, Wedging, 36A	Ton	28.890
6027021	_Flowable Fill	Cyd	7.000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	18.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	293.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	61.000
8030030	Curb Ramp Opening, Conc	Ft	49.000
8037001	_Detectable Warning Surface, Modified	Ft	35.900
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	282.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	120.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	300.000
8110214	Pav Mtg, Thermopt, 12 inch, Crosswalk	Ft	238.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	6.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	6.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	60.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	60.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6.000
8127050	_Temporary No Parking Sign	Ea	83.000
8167011	_Slope Restoration	Syd	190.000
8230421	Water Shutoff, Adj, Case 1	Ea	1.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
5.0	R11-3a	Road Closed Local Traffic Only	12.500	63.000



				DAD	CHECKED
		AG/CE/OS		DAD	CHECKED
		3/28/2022	3/09/2022		
		AG/CE/OS	DATE		
		ADDENDUM 01			
		RFP SET			
01	00				REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WESTWOOD AVE
SUBSET COVER SHEET

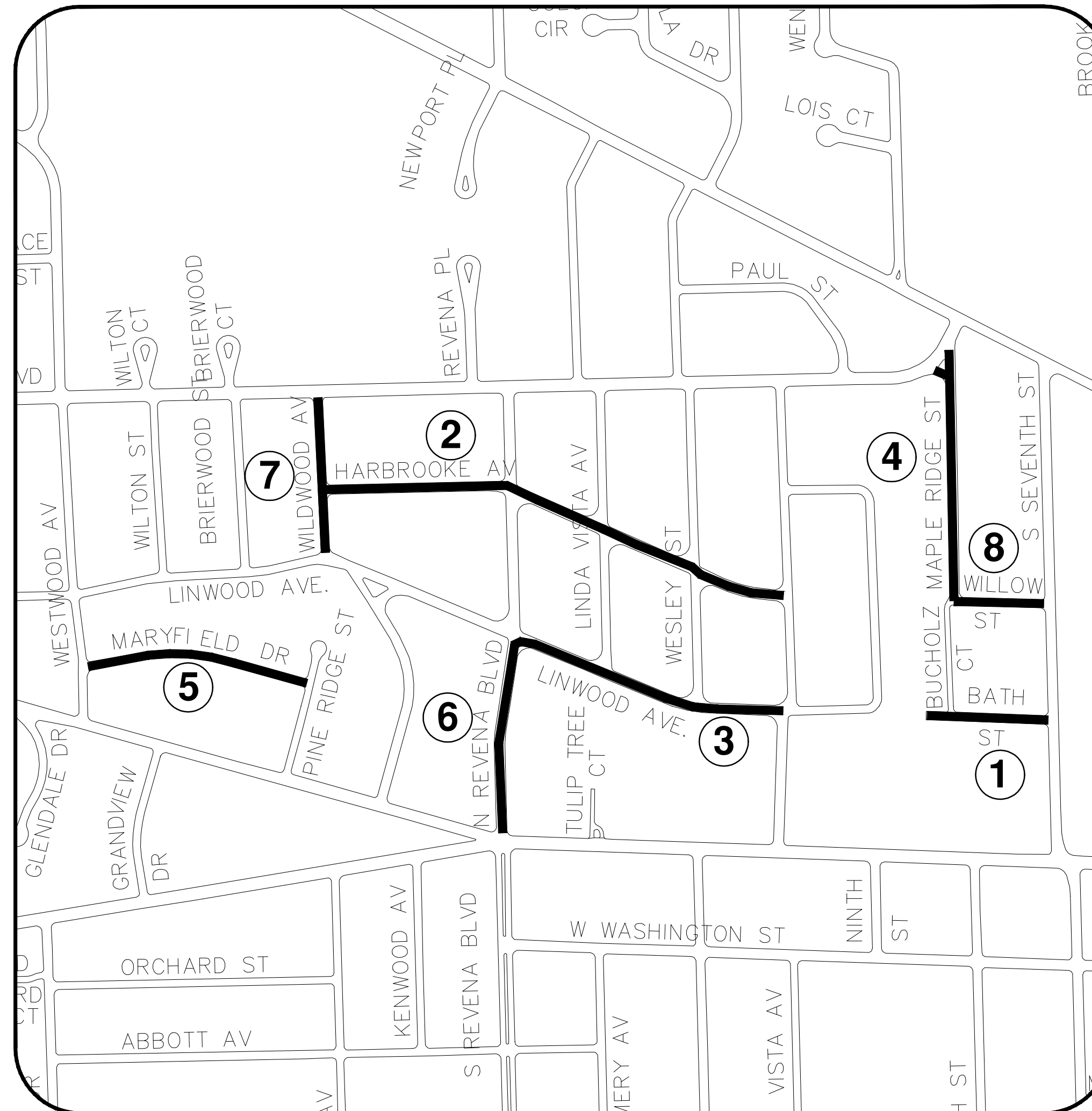
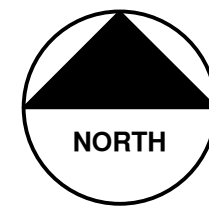
SCALE: NTS
DRAWING No. 2022-004-31
SHEET No. 31 OF 61



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 3

RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
33	BATH ST	1
34	HARBROOKE AVE	2
35	LINWOOD AVE	3
36	MAPLERIDGE ST	4
37	MARYFIELD DR	5
38	N REVENA BLVD	6
39	WILDWOOD AVE	7
40	WILLOW ST	8

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

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THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE.

BATH ST
LINWOOD AVE
MAPLERIDGE ST
MARYFIELD DR
N REVENA BLVD
WILDWOOD AVE
WILLOW ST



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD
00	RFP SET	3/09/2022	AG/CE/GS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
www.a2gov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 3
COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-32



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BATH STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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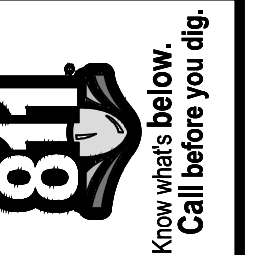
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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	189.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	48.000
2057011	_Grading, Driveway Approach	Syd	48.000
2057011	_Machine Grading, Special	Syd	967.000
2057021	_Undercutting, Type IA	Cyd	32.000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	2.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	2.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	2.000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	1.000
4047050	_Yard Drain, Outlet Ending, Pop-up Apparatus	Ea	1.000
5010002	Cold Milling HMA Surface	Syd	967.000
5010005	HMA Surface, Rem	Syd	25.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	224.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	69.000
5017031	_HMA, Wedging, 36A	Ton	2.000
6027021	_Flowable Fill	Cyd	4.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	48.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	91.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	98.000
8087050	_Bollard, Collapsible	Ea	4.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	11.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	11.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	9.000
8167011	_Slope Restoration	Syd	76.000
8230421	Water Shutoff, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
1	R11-3a	Road Closed Local Traffic Only	12.500	13.000

T:\2022004\Plan Production\2022004 - Bath Street.dwg - _a2_standard bw.stb - Plot Date: 3/28/2022 1:22:48 AM



REV	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
BATH STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-33



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: HARBROOKE AVE

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	7.000
2030015	Sewer, Rem, Less than 24 inch	Ft	70.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	621.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	69.000
2057011	_Grading, Driveway Approach	Syd	33.000
2057011	_Grading, Sidewalk Ramp	Syd	36.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	14.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	70.000
4021260	Trench Undercut and Backfill	Cyd	21.000
4030200	Dr Structure, 24 inch dia	Ea	7.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	7.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	70.000
5010002	Cold Milling HMA Surface	Syd	5,270.000
5010005	HMA Surface, Rem	Syd	138.000
5010025	Hand Patching	Ton	16.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	33.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	192.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	381.000
8030030	Curb Ramp Opening, Conc	Ft	62.000
8037001	_Detectable Warning Surface, Modified	Ft	40.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	322.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	8.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	8.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	44.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	44.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	172.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	172.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	32.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	32.000
8127050	_Pedestrian Type II Channelizer, Temp	Ea	6.000
8127050	_Temporary No Parking Sign	Ea	46.000
8167011	_Slope Restoration	Syd	210.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	17.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
8	R11-4	Road Closed To Thru Traffic	12,500	100,000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD
00	RFP SET	3/09/2022	AG/CE/GS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
HARBROOKE AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-34



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: LINWOOD AVE

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

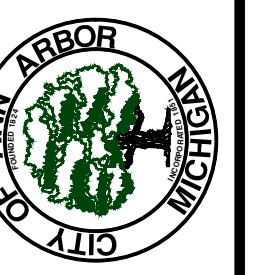
QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2.000
2030015	Sewer, Rem, Less than 24 inch	Fl	20.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Fl	129.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	61.000
2057011	_Grading, Driveway Approach	Syd	56.000
2057011	_Grading, Sidewalk Ramp	Syd	1.000
2057011	_Machine Grading, Special	Syd	3.009.000
2057021	_Undercutting, Type IIA	Cyd	100.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	6.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Fl	20.000
4021260	Trench Undercut and Backfill	Cyd	6.000
4030200	Dr Structure, 24 inch dia	Ea	2.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2.000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Fl	20.000
5010002	Cold Milling HMA Surface	Syd	3,009.000
5010005	HMA Surface, Rem	Syd	76.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	696.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	247.000
5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	61.770
5017031	_HMA, Wedging, 36A	Ton	7.000
6027021	_Flowable Fill	Cyd	2.000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	56.000
8027001	_Curb and Gutter, Conc, Barrier	Fl	50.000
8027001	_Driveway Opening, Conc, Det M, Modified	Fl	79.000
8030030	Curb Ramp Opening, Conc	Fl	6.000
8037001	_Detectable Warning Surface, Modified	Fl	5.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	5.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	33.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	33.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	_Temporary No Parking Sign	Ea	24.000
8167011	_Slope Restoration	Syd	75.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	9.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
8	R11-4	Road Closed To Thru Traffic	12.500	100.000



REV	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
LINWOOD AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-35

SHEET No.
35 OF 61



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: MAPLE RIDGE STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	6.000
2030015	Sewer, Rem, Less than 24 inch	Ft	60.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	120.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	5.000
2057011	_Machine Grading, Special	Syd	2,416.000
2057021	_Undercutting, Type IIIA	Cyd	81.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	10.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	60.000
4021260	Trench Undercut and Backfill	Cyd	18.000
4030200	Dr Structure, 24 inch dia	Ea	6.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	6.000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	2.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	10.000
4037050	_Dr Structure, Point	Ea	2.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	10.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	60.000
5010002	Cold Milling HMA Surface	Syd	2,416.000
5010005	HMA Surface, Rem	Syd	94.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	559.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	224.000
5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	80.330
5017031	_HMA, Wedging, 36A	Ton	5.000
6027021	_Flowable Fill	Cyd	2.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	120.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	30.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	30.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	43.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	43.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	_Temporary No Parking Sign	Ea	21.000
8167011	_Slope Restoration	Syd	45.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sft)
2.0	R11-4	Road Closed To Thru Traffic	12.500	25.000



			DAD	CHECKED
			DAD	CHECKED
			AG/CE/GS	DRAWN
			AG/CE/GS	DRAWN
			DATE	
				DESCRIPTION
01	ADDENDUM 01			
00	RFP SET			REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 864
ANN ARBOR, MI 48106-0864
www.aagov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
MAPLE RIDGE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-36
SHEET No.

T:\2022004\Plan Production\2022004 - Maple Ridge Street.dwg - _a2_standard_bw.stb - Plot Date: 3/28/2022 1:28:09 AM



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: MARYFIELD DR

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2,000
2030015	Sewer, Rem, Less than 24 inch	Ft	20,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	399,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	69,000
2057011	_Grading, Driveway Approach	Syd	43,000
2057011	_Grading, Sidewalk	Syd	17,000
2057011	_Grading, Sidewalk Ramp	Syd	9,000
2057011	_Machine Grading, Special	Syd	1,643,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	4,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20,000
4021280	Trench Undercut and Backfill	Cyd	6,000
4030200	Dr Structure, 24 inch dia	Ea	2,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2,000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	1,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	4,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20,000
5010002	Cold Milling HMA Surface	Syd	1,643,000
5010005	HMA Surface, Rem	Syd	44,000
5010025	Hand Patching	Ton	5,000
5010703	HMA, LVSP	Ton	380,000
6027021	_Flowable Fill	Cyd	7,000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	43,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	175,000
8027001	_Curb and Gutter, Conc, Mountable	Ft	212,000
8030030	Curb Ramp Opening, Conc	Ft	18,000
8037001	_Detectable Warning Surface, Modified	Ft	15,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	78,000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	150,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	30,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	30,000
8127050	_Temporary No Parking Sign	Ea	21,000
8167011	_Slope Restoration	Syd	54,000
8230431	Gate Box, Adj, Case 1	Ea	1,000

Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
2.0	R11-3a	Road Closed Local Traffic Only	12,500	25,000



REV	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET
		DRAWN
		CHECKED

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48107-8647
www.aagov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
MARYFIELD DR
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-37

T:\2022004\Plan Production\2022004 - Maryfield Dr.dwg - _a2_standard bw.stb - Plot Date: 3/28/2022 1:31:06 AM



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: N REVENA BLVD

ITB No. RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	3.000
2030015	Sewer, Rem, Less than 24 inch	Ft	30.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	96.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	16.000
2057011	_Grading, Driveway Approach	Syd	16.000
2057011	_Machine Grading, Special	Syd	2,268.000
2057021	_Undercutting, Type IIA	Cyd	76.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	30.000
4021260	Trench Undercut and Backfill	Cyd	9.000
4030200	Dr Structure, 24 inch dia	Ea	3.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	3.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	10.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	12.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	30.000
5010002	Cold Milling HMA Surface	Syd	2,268.000
5010005	HMA Surface, Rem	Syd	42.000
5010025	Hand Patching	Ton	1.000
5010703	HMA, LVSP	Ton	524.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	194.000
5017031	_HMA, Wedging, 36A	Ton	2.000
6027021	_Flowable Fill	Cyd	2.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	16.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	81.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	21.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	12.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	12.000
8127050	_Temporary No Parking Sign	Ea	18.000
8167011	_Slope Restoration	Syd	32.000
8230431	Gate Box, Adj, Case 1	Ea	2.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
4.0	R11-4	Road Closed To Thru Traffic	12.500	50.000

811
Know what's below.
Call Before you dig.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 984
ANN ARBOR MI 48107-0867
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CITY OF ANN ARBOR
MICHIGAN

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
N REVENA BLVD
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-38
SHEET No. 38 OF 61



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WILDWOOD AVE

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

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- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
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- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
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- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
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- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
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NOTES

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Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2,000
2030015	Sewer, Rem, Less than 24 inch	Ft	20,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	80,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	14,000
2057011	_Grading, Sidewalk	Syd	6,000
2057011	_Grading, Sidewalk Ramp	Syd	8,000
2057011	_Machine Grading, Special	Syd	1,445.00
2057021	_Undercutting, Type IIA	Cyd	48,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	5,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20,000
4021260	Trench Undercut and Backfill	Cyd	6,000
4030200	Dr Structure, 24 inch dia	Ea	2,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2,000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	4,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	4,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	5,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20,000
5010002	Cold Milling HMA Surface	Syd	1,541.52
5010005	HMA Surface, Rem	Syd	50,000
5010025	Hand Patching	Ton	1,000
5010703	HMA, LVSP	Ton	345,000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	146,000
5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	41,220
5017031	_HMA, Wedging, 36A	Ton	2,000
6027021	_Flowable Fill	Cyd	1,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	70,000
8030030	Curb Ramp Opening, Conc	Ft	14,000
8037001	_Detectable Warning Surface, Modified	Ft	10,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	72,000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	50,000
8110214	Pavt Mkg, Thermopl, 12 inch, Crosswalk	Ft	136,000
8110218	Pavt Mkg, Thermopl, 24 inch, Step Bar	Ft	26,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4,000
8127050	_Temporary No Parking Sign	Ea	14,000
8167011	_Slope Restoration	Syd	27,000
8230431	Gate Box, Adj, Case 1	Ea	1,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (SQ)
4.0	R11-3a	Road Closed Local Traffic Only	12,500	50,000



01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD	CHECKED
00	RFP SET	3/09/2022	AG/CE/GS	DAD	DRAWN

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 864
ANN ARBOR, MI 48107-0864
734.794.4410
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CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILDWOOD AVE
SUBSET COVER SHEET

SCALE : NTS
DRAWING No.
2022-004-39

SHEET No.



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WILLOW STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

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- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
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- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

Item Code	Item Description	Unit	Quantity
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	99.000
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	47.000
2057011	..Grading, Driveway Approach	Syd	12.000
2057011	..Grading, Sidewalk	Syd	22.000
2057011	..Grading, Sidewalk Ramp	Syd	13.000
2057011	..Machine Grading, Special	Syd	792.000
2057021	..Undercutting, Type IIA	Cyd	26.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	2.000
4037050	..Dr Structure, Adj, Case 1, Modified	Ea	1.000
4037050	..Dr Structure, Temp Lowering, Modified	Ea	1.000
5010002	Cold Milling HMA Surface	Syd	792.000
5010005	HMA Surface, Rem	Syd	35.000
5010025	Hand Patching	Ton	1.000
5010703	HMA, LVSP	Ton	183.000
5017011	..Cold Milling for Concrete Curb and Gutter Reveal	Syd	83.000
5017011	..Cold Milling HMA Surface, Driveway Approach	Syd	24.000
5017031	..HMA, Wedging, 36A	Ton	2.640
6027021	..Flowable Fill	Cyd	2.000
8017011	..Driveway, Nonrein Conc, 6 inch, Modified	Syd	12.000
8027001	..Curb and Gutter, Conc, Barrier	Ft	69.000
8027001	..Driveway Opening, Conc, Det M, Modified	Ft	17.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	..Detectable Warning Surface, Modified	Ft	10.000
8037010	..Sidewalk Ramp, Conc, 6 inch, Modified	SR	114.000
8037010	..Sidewalk, Conc, 4 inch, Modified	SR	200.000
8110214	Pavt Mktg, Thermopt, 12 inch, Crosswalk	Ft	56.000
8110218	Pavt Mktg, Thermopt, 24 inch, Stop Bar	Ft	10.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8120350	Sign, Type B, Temp, Prismatic, Furn	SR	43.000
8120351	Sign, Type B, Temp, Prismatic, Oper	SR	43.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	SR	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	SR	8.000
8127050	..Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	..Temporary No Parking Sign	Ea	9.000
8167011	..Slope Restoration	Syd	72.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
2.0	R11-3a	Road Closed Local Traffic Only	12,500	25,000



REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILLOW STREET
SUBSET COVER SHEET

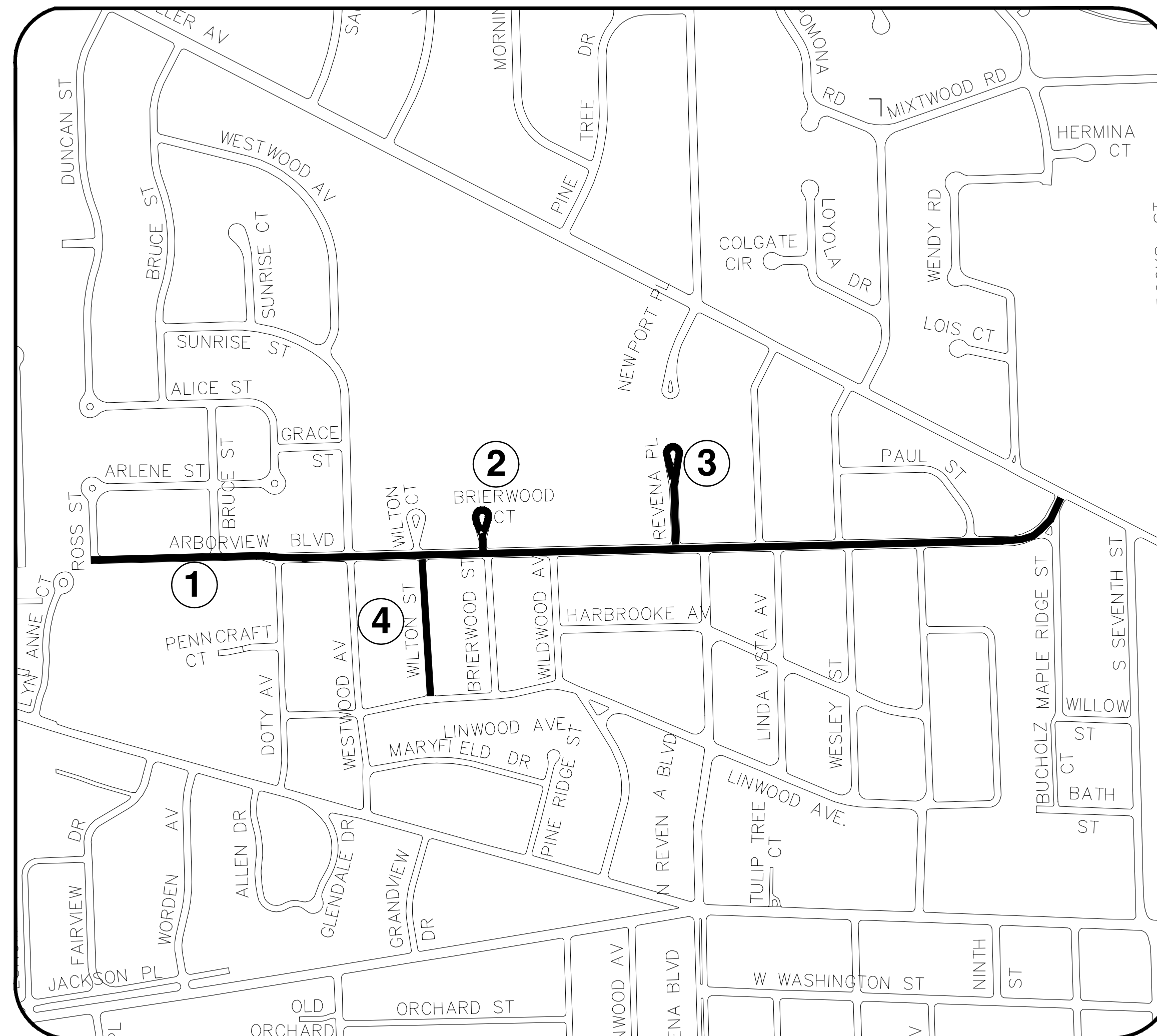
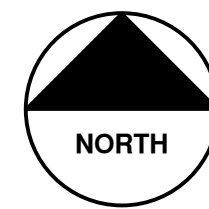
SCALE: NTS
DRAWING No. 2022-004-40



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 4

ITB No. RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
42	ARBORVIEW BLVD	1
43	BRIARWOOD CT	2
44	REVENA PL	3
45	WILTON CT	4

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL, POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE.

ARBORVIEW BLVD



REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
www.aagov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 4
COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-41



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ARBORVIEW BLVD

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

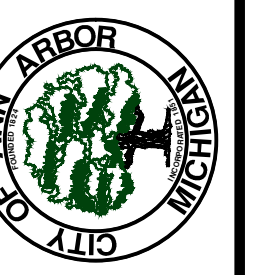
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	31.000
2030015	Sewer, Rem, Less than 24 inch	Ft	387.000
2040005	Pavt, Rem	Syd	50.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	3,893.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	767.670
2050010	Embankment, CIP	Cyd	433.000
2057011	_Grading, Driveway Approach	Syd	709.000
2057011	_Grading, Sidewalk	Syd	594.670
2057011	_Grading, Sidewalk Ramp	Syd	121.000
2057011	_Machine Grading, Special	Syd	16,587.000
2057021	_Undercutting, Type IIA	Cyd	553.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	58.000
3010002	Subbase, CIP	Cyd	72.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	315.000
4021260	Trench Undercut and Backfill	Cyd	78.000
4030200	Dr Structure, 24 inch dia	Ea	31.000
4030280	Dr Structure, Adj, Add Depth	Ft	1.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	2.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	33.000
4037050	_Dr Structure Cover, Type O, Modified	Ea	44.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	67.000
4037050	_Dr Structure, Adj, Case 2, Modified	Ea	1.000
4037050	_Dr Structure, Cleaning, Modified	Ea	1.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	74.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	260.000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	3.000
4047050	_Yard Drain, Outlet Ending, Pop-up Apparatus	Ea	3.000
5010002	Cold Milling HMA Surface	Syd	16,587.000
5010005	HMA Surface, Rem	Syd	787.110
5010025	Hand Patching	Ton	30.000
5010061	HMA Approach	Ton	9.000
5010703	HMA, LVSP	Ton	3,832.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	223.000
5017031	_HMA, Wedging, 36A	Ton	2.000
6027021	_Flowable Fill	Cyd	44.000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	659.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	2,735.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	1,142.000
8030030	Curb Ramp Opening, Conc	Ft	144.000
8037001	_Detectable Warning Surface, Modified	Ft	136.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	1,088.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	12.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	5,065.000
8037010	_Sidewalk, Conc, 6 inch, Modified	Sft	285.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	18.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	18.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	159.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	159.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	14.000
8127050	_Temporary No Parking Sign	Ea	118.000
8167011	_Slope Restoration	Syd	2,369.000
8230431	Gate Box, Adj, Case 1	Ea	12.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
17.0	R11-4	Road Closed To Thru Traffic	12.500	213.000



			DAD	CHECKED
		AG/CE/GS	DAD	
		AG/CE/GS	DAD	
		3/28/2022	DATE	
		3/09/2022	DATE	
			DESCRIPTION	
	01	ADDENDUM 01		
	00	RFP SET		
			REV.	

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 864
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
ARBORVIEW BLVD
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-42
SHEET No. 42 OF 61



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BRIERWOOD CT

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH – 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
6. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
8. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
11. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
12. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	67.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	30.000
2057011	_Grading, Sidewalk	Syd	30.000
2057011	_Grading, Sidewalk Ramp	Syd	8.000
2057021	_Undercutting, Type IIA	Cyd	29.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	1.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4021280	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	860.000
5010005	HMA Surface, Rem	Syd	15.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	100.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	90.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	69.000
8030030	Curb Ramp Opening, Conc	Ft	12.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	70.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	200.000
8037010	_Sidewalk, Conc, 6 inch, Modified	Sft	70.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	4.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	4.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	_Pedestrian Type II Channelizer, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	9.000
8167011	_Slope Restoration	Syd	38.000
8230431	Gate Box, Adj, Case 1	Ea	1.000



REV	DESCRIPTION	DATE	AG/CE/OS	DAD	CHECKED
01	ADDENDUM 01	3/28/2022	AG/CE/OS	DAD	DAD
00	RFP SET	3/09/2022	AG/CE/OS	DAD	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
734.794.6410
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
BRIERWOOD CT
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-43



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: REVENA PL

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	85.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	28.000
2057011	_Grading, Driveway Approach	Syd	9.000
2057011	_Grading, Sidewalk	Syd	17.000
2057011	_Grading, Sidewalk Ramp	Syd	9.000
2057021	_Undercutting, Type IIA	Cyd	60.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	3.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4021260	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	2.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	1,792.000
5010005	HMA Surface, Rem	Syd	71.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	207.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	154.000
5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	52.000
5017031	_HMA, Wedging, 36A	Ton	5.720
6027021	_Flowable Fill	Cyd	0.660
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	9.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	50.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	21.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	SR	84.000
8037010	_Sidewalk, Conc, 4 inch, Modified	SR	150.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8127050	_Pedestrian Type II Channelizer, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	15.000
8167011	_Slope Restoration	Syd	35.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	7.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH – 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
6. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
8. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
11. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
12. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.



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			DAD	CHECKED
		3/28/2022	AG/CE/GS	DRAWN
		3/09/2022	AG/CE/GS	CHECKED
			DATE	
			DESCRIPTION	
	01	ADDENDUM 01		
	00	RFP SET		
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
734.794.6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
REVENA PL
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-44

SHEET No.



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WILTON CT

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	64.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	40.000
2057011	_Grading, Sidewalk	Syd	33.000
2057011	_Grading, Sidewalk Ramp	Syd	7.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	1.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4021260	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	861.000
5010005	HMA Surface, Rem	Syd	14.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	100.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	97.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	50.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	SF	60.000
8037010	_Sidewalk, Conc, 4 inch, Modified	SF	300.000
8110214	Pavt Mkg, Thermopl, 12 inch, Crosswalk	Ft	72.000
8110218	Pavt Mkg, Thermopl, 24 inch, Stop Bar	Ft	13.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	10.000
8167011	_Slope Restoration	Syd	50.000

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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		AG/CE/GS	DAD	
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01	ADDENDUM 01			
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				REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILTON CT
SUBSET COVER SHEET

SCALE : NTS	DRAWING No.
	2022-004-45

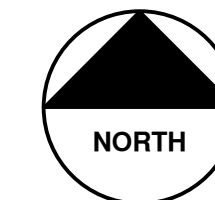
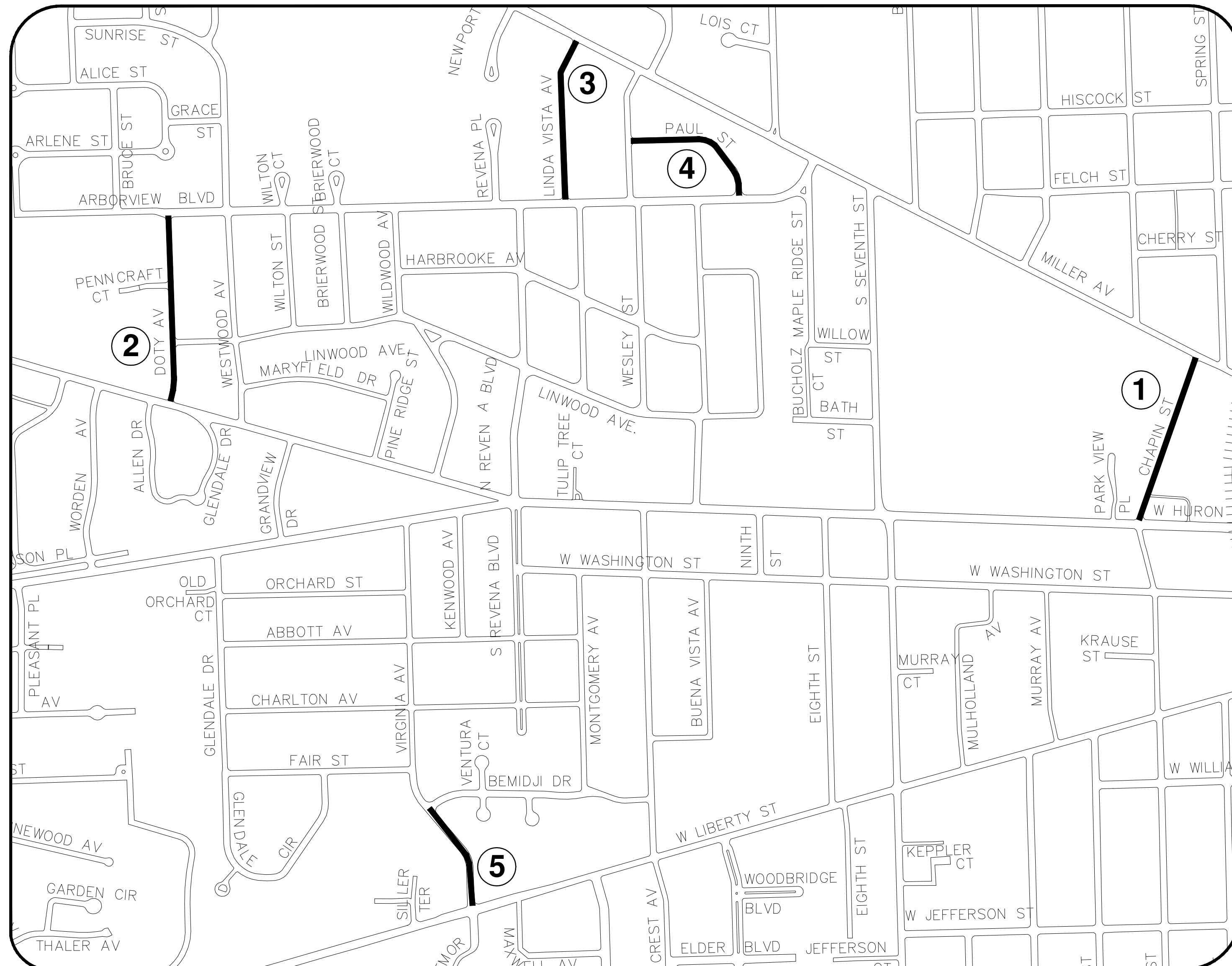
SHEET No.



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 5

RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
44	CHAPIN ST	1
45	DOTY AVE	2
46	LINDA VISTA ST	3
47	PAUL ST	4
48	VIRGINIA AVE	5
49	WILLARD ST	6

NOTES

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THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE.

CHAPIN ST
DOTY AVE
LINDA VISTA ST
PAUL ST
VIRGINIA AVE
WILLARD ST



REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
ANN ARBOR 734-794-4410
www.aagov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 5
COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-46



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: CHAPIN STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
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Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	362.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	47.000
2057011	_Grading, Driveway Approach	Syd	37.000
2057011	_Machine Grading, Special	Syd	2,178.000
2057021	_Undercutting, Type IIA	Cyd	73.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
4020987	Sewer, CI IV, 12 inch, T1 Del B	Ft	10.000
4021280	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	8.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	13.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	13.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	2,178.000
5010005	HMA Surface, Rem	Syd	108.000
5010025	Hand Patching	Ton	5.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	208.000
5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	68.000
5017031	HMA, Wedging, 36A	Ton	4.000
6027021	_Flowable Fill	Cyd	7.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	26.000
8017011	_Driveway, Nonreinf Conc, 8 inch, Modified	Syd	11.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	294.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	70.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8127050	_Temporary No Parking Sign	Ea	23.000
8167011	_Slope Restoration	Syd	126.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sf)
2	R11-4	Road Closed To Thru Traffic	12,500	25,000



REV	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 864
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
CHAPIN STREET
SUBSET COVER SHEET

SCALE : NTS
DRAWING No. 2022-004-47

SHEET No.

47 OF 61



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: DOTY AVE

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

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- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
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- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

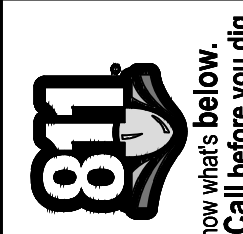
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

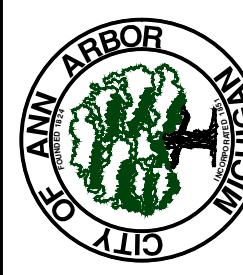
QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	5,000
2030015	Sewer, Rem, Less than 24 inch	Ft	50,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	381,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	213,000
2057011	_Grading, Driveway Approach	Syd	64,000
2057011	_Grading, Sidewalk	Syd	11,000
2057011	_Grading, Sidewalk Ramp	Syd	38,000
2057011	_Machine Grading, Special	Syd	2,430,000
2057021	_Undercutting, Type IIA	Cyd	81,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	9,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	50,000
4021260	Trench Undercut and Backfill	Cyd	15,000
4030200	Dr Structure, 24 inch dia	Ea	5,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	5,000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	9,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	11,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	14,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	50,000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	1,000
5010002	Cold Milling HMA Surface	Syd	2,430,000
5010005	HMA Surface, Rem	Syd	70,000
5010025	Hand Patching	Ton	5,000
5010703	HMA, LVSP	Ton	562,000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	253,000
5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	30,230
5017031	_HMA, Wedging, 36A	Ton	3,320
6027021	_Flowable Fill	Cyd	7,000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	64,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	160,000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	152,000
8030030	Curb Ramp Opening, Conc	Ft	49,000
8037001	_Detectable Warning Surface, Modified	Ft	35,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	348,000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	19,000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	100,000
8110214	Pavt Mkg, Thermopt, 12 inch, Crosswalk	Ft	112,000
8110218	Pavt Mkg, Thermopt, 24 inch, Stop Bar	Ft	24,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	3,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	3,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	51,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	51,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	8,000
8127050	_Temporary No Parking Sign	Ea	27,000
8167011	_Slope Restoration	Syd	313,000
8230431	Gate Box, Adj, Case 1	Ea	3,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
3.0	R11-3a	Road Closed Local Traffic Only	12,500	38,000



		DAD	CHECKED
		AC/CE/GS	DRAWN
	3/28/2022	AC/CE/GS	DATE
01	ADDENDUM 01		REV.
00	RFP SET		REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
DOTY AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-48



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: LINDA VISTA STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	6.000
2030015	Sewer, Rem, Less than 24 inch	Ft	60.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	481.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	55.000
2057011	_Grading, Driveway Approach	Syd	39.000
2057011	_Grading, Sidewalk Ramp	Syd	16.000
2057011	_Machine Grading, Special	Syd	2,297.000
2057021	_Undercutting, Type IIA	Cyd	77.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	80.000
4021260	Trench Undercut and Backfill	Cyd	18.000
4030200	Dr Structure, 24 inch dia	Ea	6.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	6.000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	9.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	10.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	60.000
5010002	Cold Milling HMA Surface	Syd	2,297.000
5010005	HMA Surface, Rem	Syd	53.000
5010025	Hand Patching	Ton	6.000
5010703	HMA, LVSP	Ton	531.000
6027021	_Flowable Fill	Cyd	9.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	39.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	179.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	195.000
8030030	Curb Ramp Opening, Conc	Ft	28.000
8037001	_Detectable Warning Surface, Modified	Ft	20.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	148.000
8110214	Pavt Mtkg, Thermopl, 12 inch, Crosswalk	Ft	136.000
8110218	Pavt Mtkg, Thermopl, 24 inch, Stop Bar	Ft	26.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	31.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	31.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	61.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	61.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	16.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	16.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	_Temporary No Parking Sign	Ea	24.000
8167011	_Slope Restoration	Syd	124.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2	R11-4	Road Closed To Thru Traffic	12.500	25.000



REV	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
LINDA VISTA STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-49



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: PAUL STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

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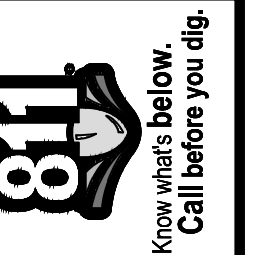
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QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2,000
2030015	Sewer, Rem, Less than 24 inch	Ft	20,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	133,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	24,000
2057011	_Grading, Sidewalk Ramp	Syd	24,000
2057011	_Machine Grading, Special	Syd	2,011,000
2057021	_Undercutting, Type IIA	Cyd	67,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	5,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20,000
4021260	Trench Undercut and Backfill	Cyd	6,000
4030200	Dr Structure, 24 inch dia	Ea	2,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2,000
4037050	_Dr Structure Cover, Type Q, Modified	Ea	6,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	6,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	7,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20,000
5010002	Cold Milling HMA Surface	Syd	2,011,000
5010005	HMA Surface, Rem	Syd	15,000
5010025	Hand Patching	Ton	2,000
5010703	HMA, LVSP	Ton	465,000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	219,000
5017011	_Cold Milling HMA Surface, Driveway Approach	Syd	68,550
5017031	_HMA, Wedging, 36A	Ton	7,540
6027021	_Flowable Fill	Cyd	2,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	120,000
8030030	Curb Ramp Opening, Conc	Ft	14,000
8037001	_Detectable Warning Surface, Modified	Ft	10,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	215,000
8110214	Pavt Mkg, Thermapl, 12 inch, Crosswalk	Ft	85,000
8110218	Pavt Mkg, Thermapl, 24 inch, Stop Bar	Ft	14,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	30,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	30,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4,000
8127050	_Temporary No Parking Sign	Ea	21,000
8167011	_Slope Restoration	Syd	66,000
8230431	Gate Box, Adj, Case 1	Ea	1,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	R11-3a	Road Closed Local Traffic Only	12,500	25,000

T:\2022004\Plan Production\2022004 - Paul Street.dwg - _02 standard bw.stb - Plot Date: 3/28/2022 2:16:25 AM



REV	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
PAUL STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-50



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: VIRGINIA AVE

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	45,000
2057011	_Machine Grading, Special	Syd	1,910,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	6,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	3,000
5010002	Cold Milling HMA Surface	Syd	1,910,000
5010005	HMA Surface, Rem	Syd	5,000
5010025	Hand Patching	Ton	1,000
5010703	HMA, LVSP	Ton	442,000
6027021	_Flowable Fill	Cyd	1,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	40,000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	5,000
8110214	Pavt Mktg, Thermopl, 12 inch, Crosswalk	Ft	104,000
8110218	Pavt Mktg, Thermopl, 24 inch, Stop Bar	Ft	18,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	10,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	10,000
8127050	_Temporary No Parking Sign	Ea	16,000
8167011	_Slope Restoration	Syd	15,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
2.0	R11-3a	Road Closed Local Traffic Only	12,500	25,000



		DAD	CHECKED
		AG/CE/GS	DRAWN
		AG/CE/GS	DAD
		DATE	
	3/28/2022		
	3/09/2022		
01	ADDENDUM 01		
00	RFP SET		REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 864
ANN ARBOR MI 48107-0864
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CITY OF ANN ARBOR - ENGINEERING
PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
VIRGINIA AVE
SUBSET COVER SHEET

SCALE: NTS	DRAWING No. 2022-004-51
SHEET No. 51 OF 61	

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CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WILLARD STREET

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION SCOPE AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING LVSP HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	9.000
2030015	Sewer, Rem, Less than 24 inch	Ft	47.000
2037001	_Sewer, Abandon, Less than 24 inch	Ft	75.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	641.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	202.000
2057011	_Grading, Driveway Approach	Syd	52.000
2057011	_Grading, Sidewalk	Syd	138.000
2057011	_Grading, Sidewalk Ramp	Syd	13.000
2057011	_Machine Grading, Special	Syd	516.000
2057021	_Undercutting, Type IIA	Cyd	45.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	8.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	140.000
4021260	Trench Undercut and Backfill	Cyd	27.000
4027001	_Sewer, Perforated CPE, 12 inch	Ft	530.000
4027021	_Infiltration Trench	Cyd	1,177.000
4027050	_Sewer Bulkhead, 12 inch	Ea	3.000
4030200	Dr Structure, 24 inch dia	Ea	9.000
4037050	_Dr Structure, 48 inch dia, Leaching Basin	Ea	6.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	3.000
4037050	_Dr Structure Cover, Type O, Modified	Ea	6.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	4.000
5010002	Cold Milling HMA Surface	Syd	516.000
5010005	HMA Surface, Rem	Syd	842.000
5010025	Hand Patching	Ton	97.000
5010703	HMA, LVSP	Ton	314.000
8017011	_Driveway, Nonrein Conc, 8 inch, Modified	Syd	52.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	102.000
8030030	Curb Ramp Opening, Conc	Ft	28.000
8037001	_Detectable Warning Surface, Modified	Ft	15.000
8037010	_Sidewalk Ramp, Conc, 8 inch, Modified	Sft	116.000
8037010	_Sidewalk, Conc, 8 inch, Modified	Sft	1,238.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	52.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	52.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
4.0	R11-4	Road Closed To Thru Traffic	12.500	50.000



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		DATE	
01	ADDENDUM 01		
00	RFP SET		
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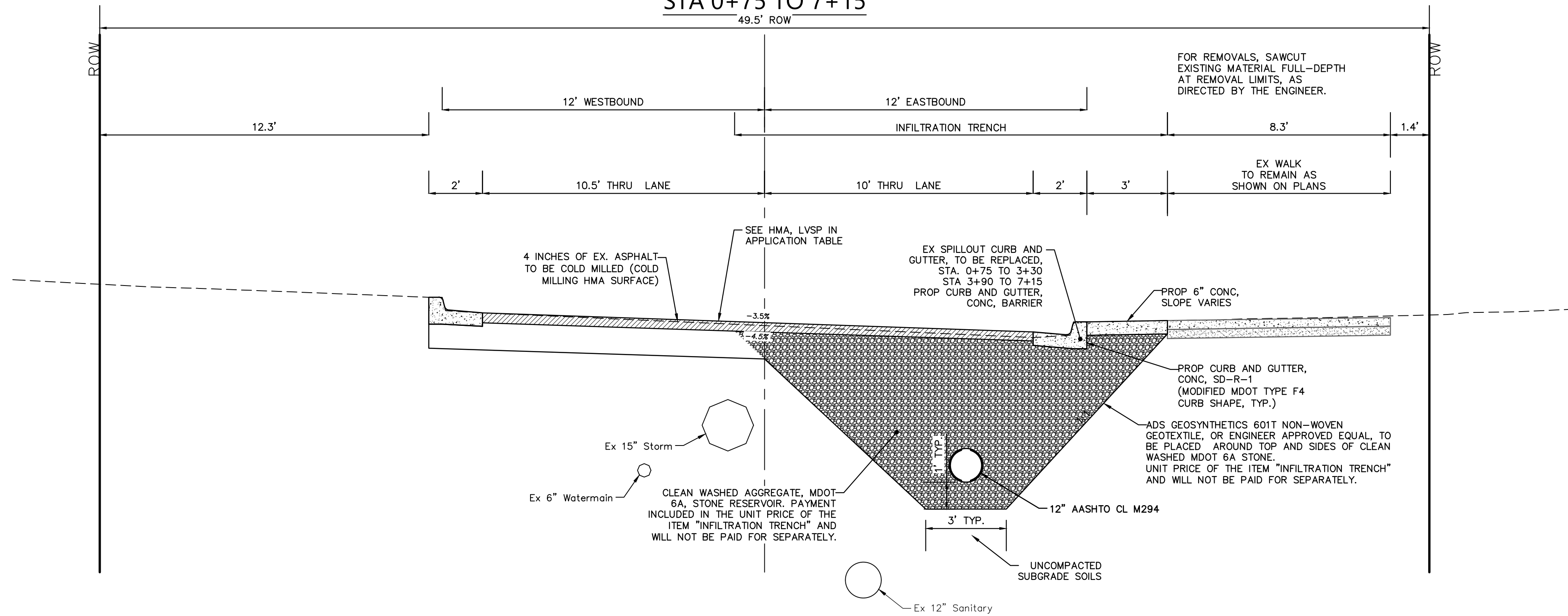


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILLARD STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-52

R:\2022004 Resurfacing Willard\Plan Production\2022004Sctn.dwg Dwg Created: 28-Mar-22 - _a2_standard bw.stb - Plot Date: 28-Mar-22

**WILLARD STREET
PROPOSED TYPICAL SECTION
STA 0+75 TO 7+15**



HMA APPLICATION ESTIMATE						
HMA PAVEMENT	HMA MIX	RATE OF APPLICATION	THICKNESS (INCHES)	AWI (MIN.)	BINDER	LOCATION/NOTES
HMA PAVEMENT TOP	LVSP	220 LB/SYD	2	220 (TOP)	PG 58-28	TOP COURSE
HMA PAVEMENT LEVELING	LVSP	220 LB/SYD	2	-	PG 58-28	LEVELING COURSE
ASPHALT EMULSION	SS-1h	0.05 - 0.15 GAL/SYD	-	-	-	INCLUDE IN COST OF HMA ITEM

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

STREET RESURFACING PROJECT - 2022

WILLARD STREET

PROPOSED TYPICAL SECTION

811
Know what's below.
Call Before you dig.

SCALE PLAN: 1" = 3'

PROFILE: 1" = 4'

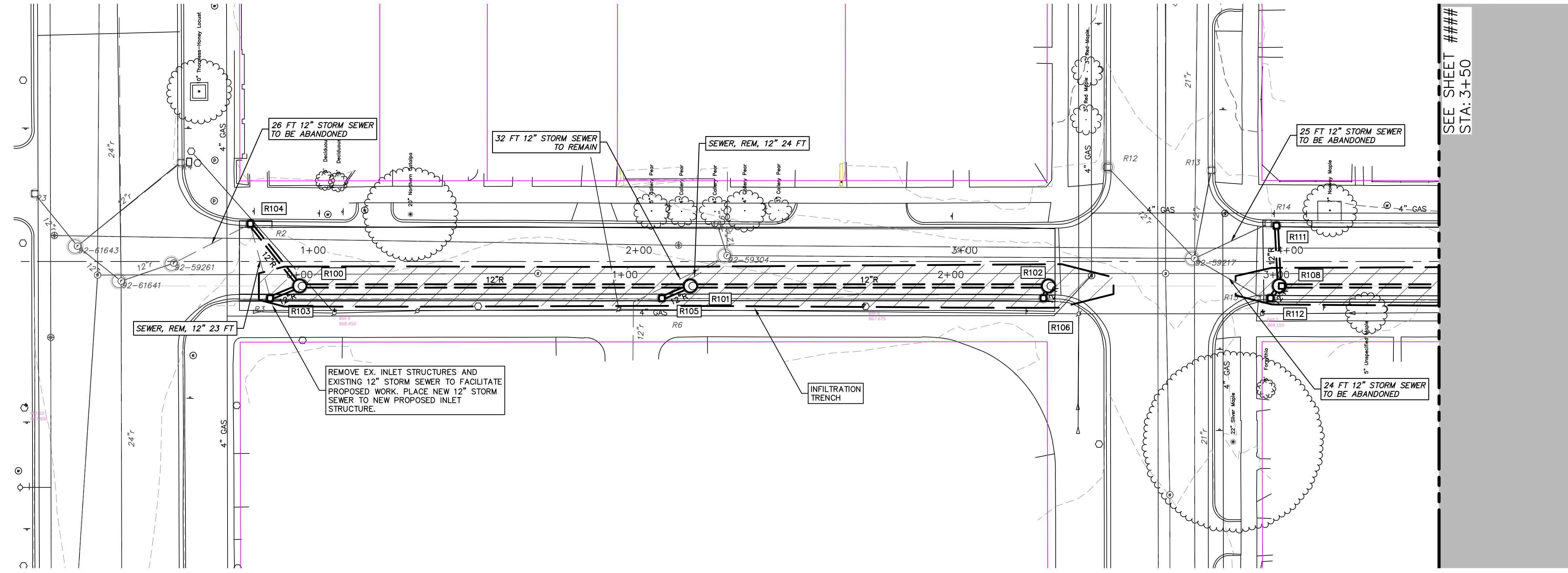
DRAWING No. 2022-004-52-1

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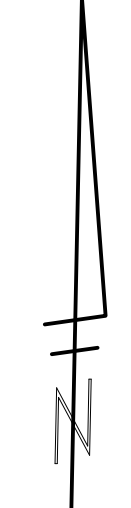
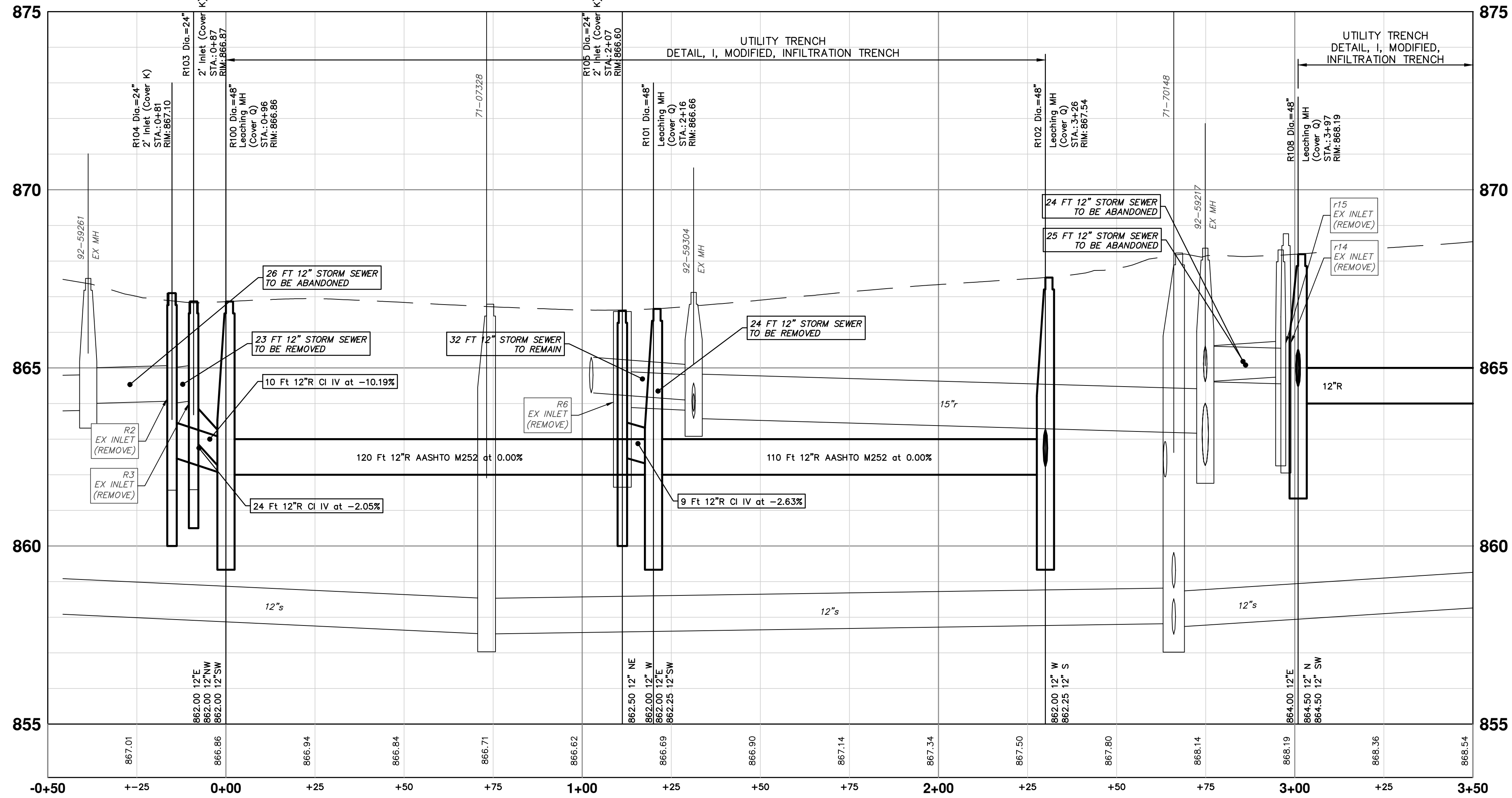
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SHEET No. 52-1 OF 61

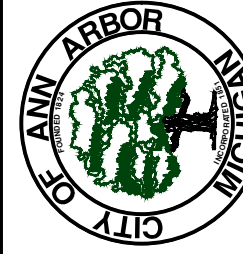
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SEE SHEET ###
STA: 3+50



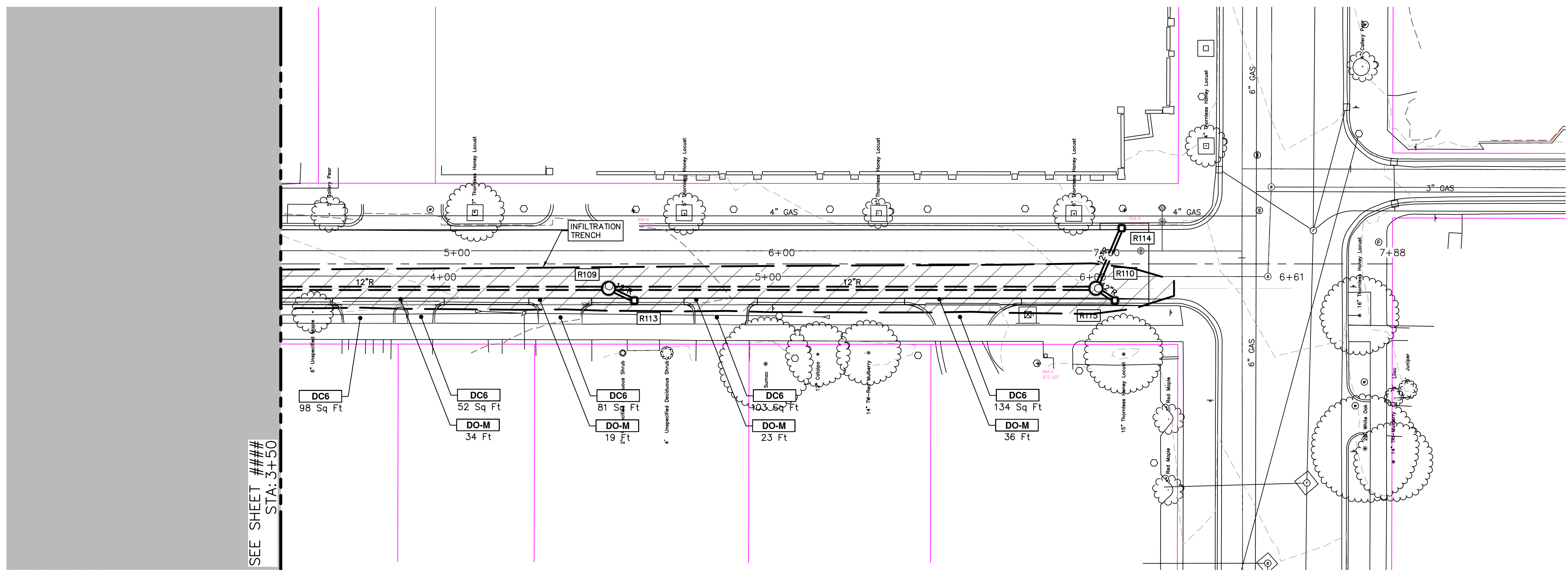
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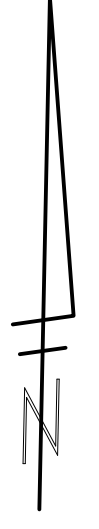
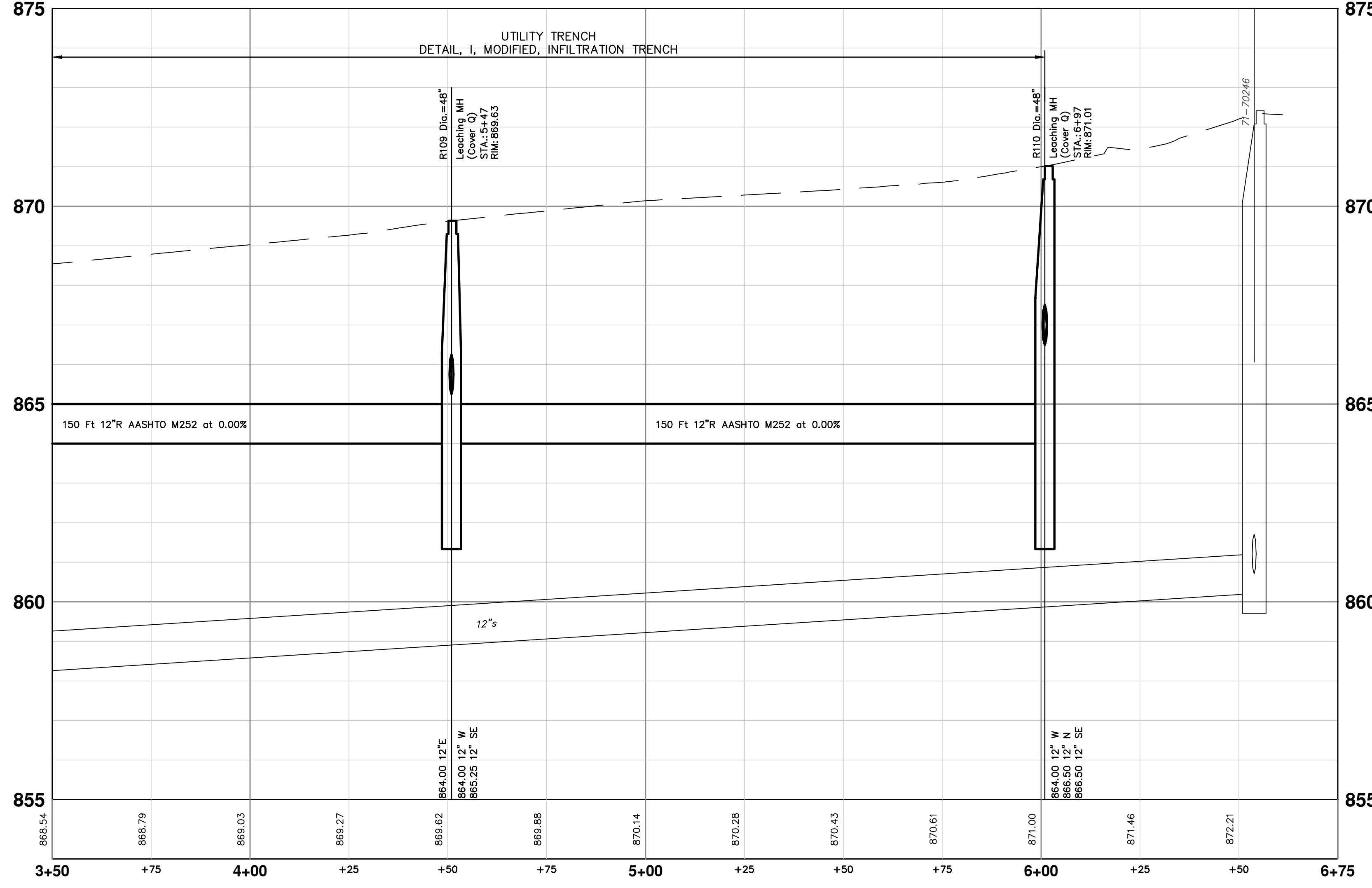
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILLARD STREET
STA. -0+50 - STA. 3+50

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-004-52-2

REV.	DESCRIPTION	DATE	BY	CHECKED
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SEE SHEET ###
STA: 3+50



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

STREET RESURFACING PROJECT - 2022

WILLARD STREET
STA. 3+50 - STA. 6+97

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

DRAWING No. 2022-004-52-3

SHEET No. 52-3 OF 61

811
Know what's below.
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CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ARBOR HILLS NATURE AREA ASPHALT PATH RESURFACING REHABILITATION

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

PERFORM WORK ON THIS SHARED USE PATH IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ACTIVITIES LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK. ANY/ALL TEMPORARY LANE CLOSURES REQUIRED FOR THIS WORK SHALL SET UP AND REMOVED, RESPECTIVELY, AT THE BEGINNING AND END OF EACH WORK DAY. COORDINATE THIS WORK WITH THE CITY OF ANN ARBOR PARKS DEPARTMENT.

- IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM TREE REMOVAL AND/OR TRIMMING/PRUNING AS REQUIRED TO FACILITATE THE SHARED USE REHABILITATION AND AS DIRECTED BY THE ENGINEER.
- REMOVE OVERBURDEN OF VEGETATION AND SOILS ALONG EACH SIDE OF THE PATH.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) REMOVAL AND HAND PATHING AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- COMPLETE NECESSARY HMA SURFACE REMOVAL AND EARTHWORK/GRADING AS REQUIRED TO ACHIEVE A CONSISTENT ±8 FOOT WIDTH FOR ITS ENTIRE LENGTH AND TO MATCH GRADES OF EXISTING FACILITIES ADJACENT TO THE PATH (E.I., SIDEWALKS, SHARED USE PATHS, RAMPS, CURB CUTS, DRIVEWAYS, ETC.) ALL AS DIRECTED BY THE ENGINEER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH SHARED USE PATH HOT MIX ASPHALT (HMA) TOP/OVERLAY COURSE USING 5E1 HMA MIXTURE.
- COMPLETE ALL SLOPE RESTORATION WORK.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.
- REMOVE ALL SESC MEASURES, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN SHARED USE PATH TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE.

ARBOR HILLS NATURE AREA ASPHALT PATH RESURFACING/ REHABILITATION

QUANTITIES			
Item Code	Item Description	Unit	Quantity
5010005	HMA Surface, Rem	Syd	60.000
5010025	Hand Patching	Ton	6.000
8060040	Shared use Path, HMA	Ton	20.000
8067011	_Shared use Path, Grading, Modified	Syd	60.000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	20.000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	20.000
8120140	Lighted Arrow, Type C, Furn	Ea	2.000
8120141	Lighted Arrow, Type C, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	18.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	18.000
8120330	Sign, Portable, Changeable Message, Furn	Ea	2.000
8120331	Sign, Portable, Changeable Message, Oper	Ea	2.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	128.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	128.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2.000
8167011	_Slope Restoration	Syd	87.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	D3-1	Street Name Sign	4.000	8.000
2.0	G20-2	End Road Work	4.500	9.000
1.0	W1-4L	Reverse Curve (Left)	9.000	9.000
1.0	W1-4R	Reverse Curve (Right)	9.000	9.000
1.0	W1-6L	Shift arrow Left	9.000	9.000
1.0	W1-6R	Shift arrow Right	9.000	9.000
2.0	W3-5B	Reduce Speed Zone	9.000	18.000
2.0	W20-1	Road Work Ahead Sign	9.000	18.000
2.0	R2-1	Speed Limit	7.500	15.000
2.0	R5-18C	Work Zone Begins	16.000	32.000



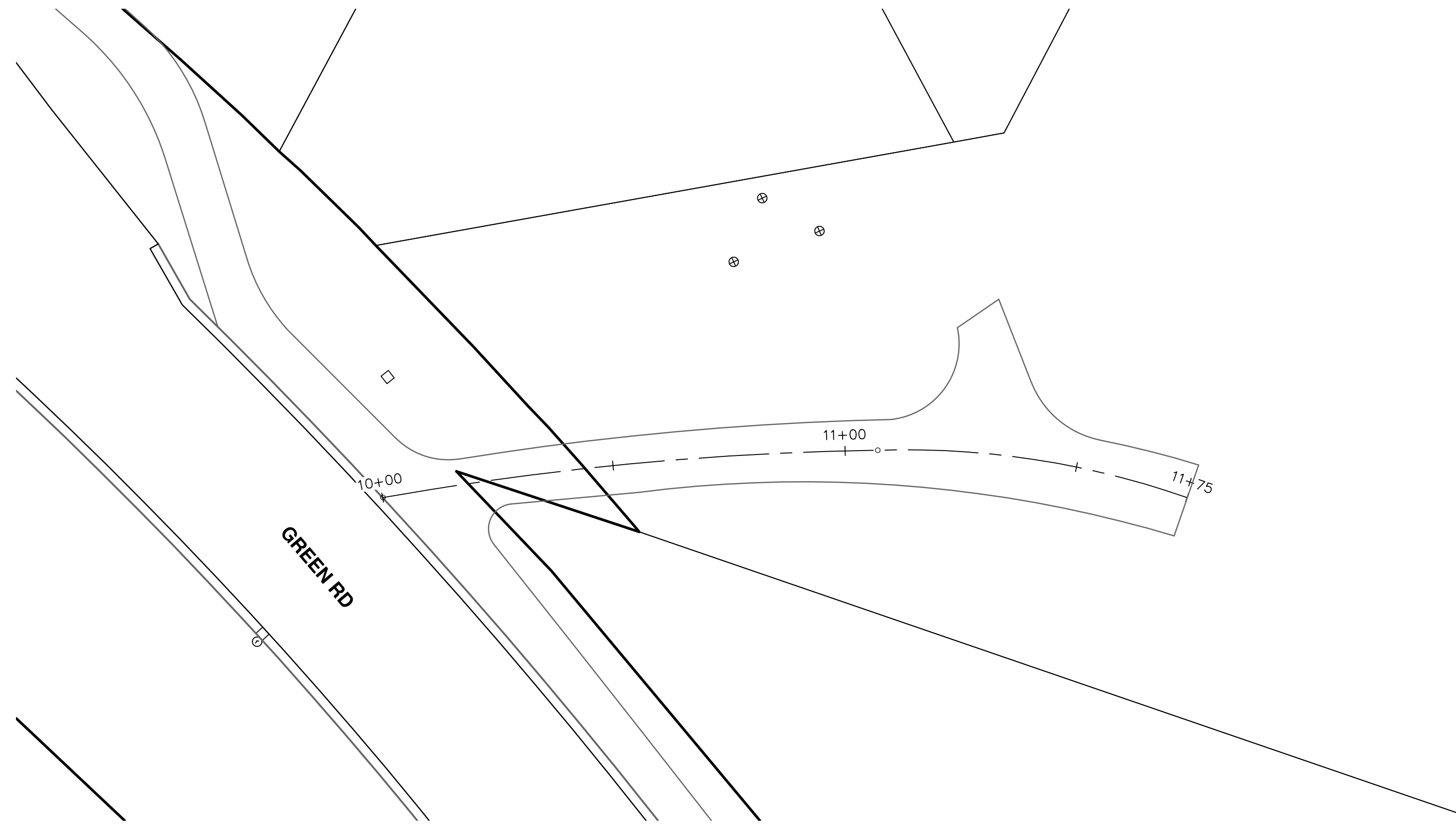
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00	RFP SET	3/09/2022	AG/CE/GS	DAD

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CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
ARBOR HILLS NATURE AREA ASPHALT PATH RESURFACING REHABILITATION
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-53



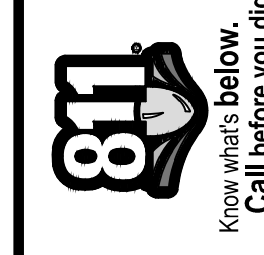
SCALE PLAN: 1" = 20'
DRAWING No.
2022-004-53-1

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
 ARBOR HILLS NATURE AREA ASPHALT PATH RESURFACING REHABILITATION
 STA. 10+00 - STA. 11+75



CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
 P.O. BOX 8647
 ANN ARBOR, MI 48107-8647
 www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM 01	3/28/2022	JG/CE/GS	DAD
00	RFP SET	3/09/2022	JG/CE/GS	DAD





CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: W LIBERTY RD ASPHALT PATH RESURFACING REHABILITATION

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

PERFORM WORK ON THIS SHARED USE PATH IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ACTIVITIES LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK. ANY/ALL TEMPORARY LANE CLOSURES REQUIRED FOR THIS WORK SHALL SET UP AND REMOVED, RESPECTIVELY, AT THE BEGINNING AND END OF EACH WORK DAY.

1. IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.

2. PERFORM TREE REMOVAL AND/OR TRIMMING/PRUNING AS REQUIRED TO FACILITATE THE SHARED USE REHABILITATION AND AS DIRECTED BY THE ENGINEER.

3. REMOVE OVERBURDEN OF VEGETATION AND SOILS ALONG EACH SIDE OF THE PATH, AND TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.

4. PERFORM CRUSHING AND SHAPING OF THE EXISTING PATH. COMPACT AND PROOF ROLL CRUSHED MATERIAL TO IDENTIFY AREAS REQUIRING BASE REPAIRS AND/OR UNDERCUTS AS DIRECTED BY THE ENGINEER.

5. COMPLETE NECESSARY EARTHWORK AND GRADING TO WIDEN THE PATH AS REQUIRED TO ACHIEVE A CONSISTENT ±8 FOOT WIDTH FOR ITS ENTIRE LENGTH AND TO MATCH GRADES OF EXISTING FACILITIES ADJACENT TO THE PATH (E.I., SIDEWALKS, RAMPS, CURB CUTS, DRIVEWAYS, ETC.) ALL AS DIRECTED BY THE ENGINEER.

6. ADJUST ANY/ALL UTILITY STRUCTURES WITHIN THE EXISTING PATH SURFACE TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.

7. UPON APPROVAL FROM THE ENGINEER PLACE 3.5 INCH SHARED USE PATH HOT MIX ASPHALT (HMA) SURFACE COURSE USING 5E1 HMA MIXTURE.

8. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.

9. PERFORM ALL HMA AND CONCRETE REMOVAL AND REPLACEMENT WORK OR NEW CONCRETE WORK AS DIRECTED BY THE ENGINEER.

10. COMPLETE ALL SLOPE RESTORATION WORK.

11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.

12. REMOVE ALL SESC MEASURES, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.

13. OPEN SHARED USE PATH TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THIS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE.

W LIBERTY RD ASPHALT PATH RESURFACING/ REHABILITATION

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	15.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	40.000
2057011	_Grading, Sidewalk	Syd	34.000
2057011	_Grading, Sidewalk Ramp	Syd	8.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
3057011	_Shared use Path, HMA Base Crushing and Shaping	Syd	574.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	1.000
5010005	HMA Surface, Rem	Syd	103.820
8027001	_Curb and Gutter, Conc, Barrier	Ft	5.000
8030030	Curb Ramp Opening, Conc	Ft	8.000
8037001	_Detectable Warning Surface, Modified	Ft	9.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	68.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	307.000
8060040	Shared use Path, HMA	Ton	140.000
8067011	_Shared use Path, Grading, Modified	Syd	278.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	40.000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	40.000
8120141	Lighted Arrow, Type C, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	14.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	14.000
8120330	Sign, Portable, Changeable Message, Furn	Ea	4.000
8120331	Sign, Portable, Changeable Message, Oper	Ea	2.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	128.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	128.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6.000
8167011	_Slope Restoration	Syd	627.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	*D3-1	Street Name Sign	4.000	8.000
2.0	G20-2	End Road Work	4.500	9.000
1.0	W1-4L	Reverse Curve (Left)	9.000	9.000
1.0	W1-4R	Reverse Curve (Right)	9.000	9.000
1.0	W1-6L	Shift arrow Left	9.000	9.000
1.0	W1-6R	Shift arrow Right	9.000	9.000
2.0	W3-5B	Reduce Speed Zone	9.000	18.000
2.0	W20-1	Road Work Ahead Sign	9.000	18.000
2.0	R2-1	Speed Limit	7.500	15.000
2.0	RS-16C	Work Zone Begins	16.000	32.000



			DAD	DAD	CHECKED
		AC/CE/GS	AC/CE/GS		DRAWN
		3/28/2022	3/09/2022		DATE
01	ADDENDUM 01				REV.
00	RFP SET				REV.

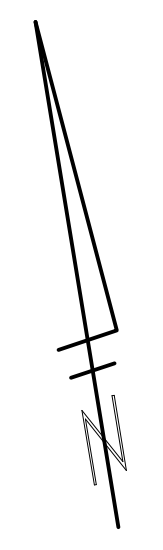
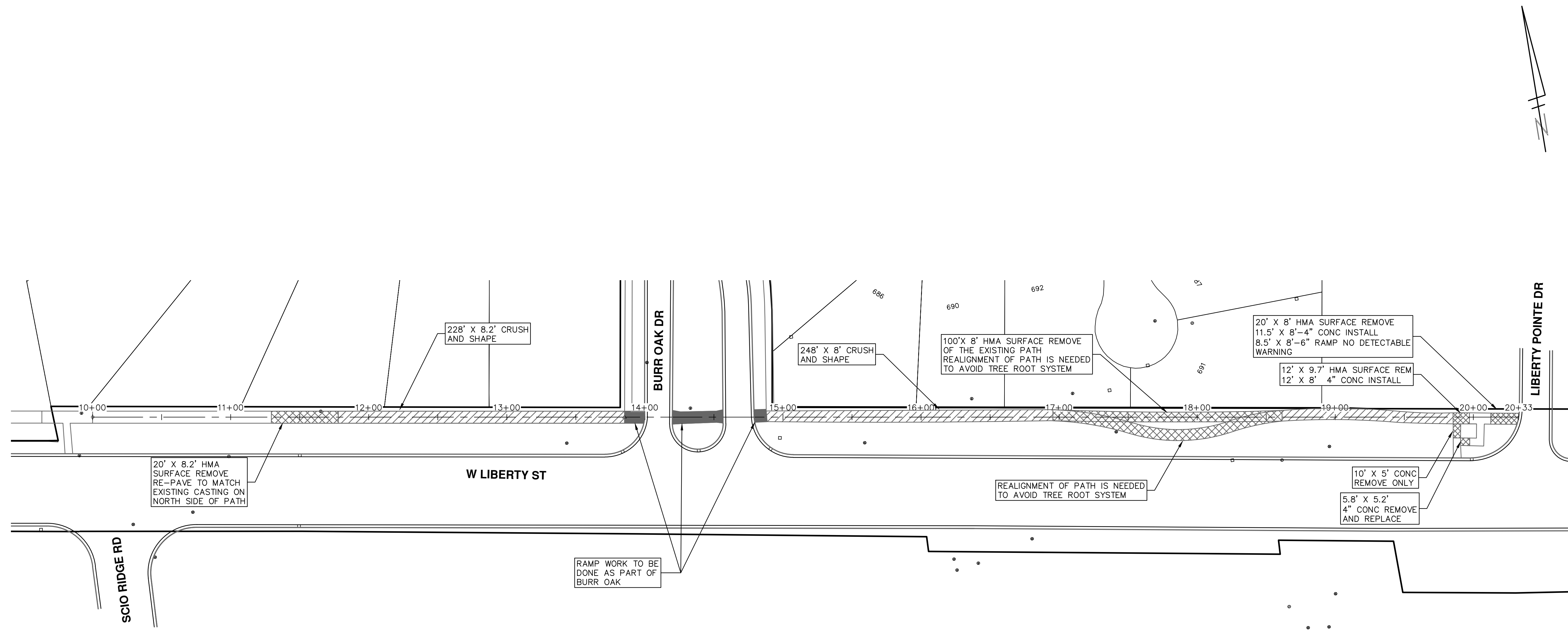
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
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CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
W LIBERTY RD ASPHALT PATH RESURFACING REHABILITATION
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-54

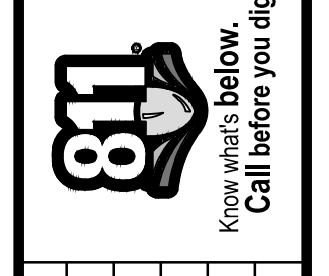
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CITY OF ANN ARBOR
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REV.	DESCRIPTION
01	RFP SET
00	ADDENDUM 01

DATE	DRAWN	CHECKED
3/09/2022	AG/CE/GS	DAD
3/28/2022	AG/CE/GS	DAD





CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: OAKBROOK DR ASPHALT PATH TO CONCRETE SIDEWALK CONVERSION

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

PERFORM WORK ON THIS SHARED USE PATH/ASPHALT SIDEWALK IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ACTIVITIES LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK. ANY/ALL TEMPORARY LANE CLOSURES REQUIRED FOR THIS WORK SHALL SET UP AND REMOVED, RESPECTIVELY, AT THE BEGINNING AND END OF EACH WORK DAY.

1. IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. REMOVE OVERBURDEN OF VEGETATION AND SOILS ALONG EACH SIDE OF THE PATH/SIDEWALK.
3. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
4. COMPLETE NECESSARY HMA SURFACE AND CONCRETE SIDEWALK/PAVEMENT REMOVAL AND EARTHWORK/GRADING AS REQUIRED TO ACHIEVE A CONSISTENT WIDTH (8 FOOT ON E EISENHOWER PKWY & 5 FOOT ON OAKBROOK DR) FOR ITS ENTIRE LENGTH AND TO MATCH GRADES OF EXISTING FACILITIES ADJACENT TO THE PATH (E.I., SIDEWALKS, SHARED USE PATHS, RAMPS, CURB CUTS, DRIVEWAYS, ETC.) ALL AS DIRECTED BY THE ENGINEER.
5. UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE 4.0 INCH SUBBASE COURSE.
6. UPON APPROVAL FROM THE ENGINEER PLACE CONCRETE CURB AND GUTTER, CURB OPENINGS, 4.0 INCH CONCRETE SIDEWALK AND 6.0 INCH SIDEWALK RAMPS.
7. COMPLETE ALL SLOPE RESTORATION WORK.
8. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.
9. REMOVE ALL SESC MEASURES, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
10. OPEN SIDEWALK TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE.

OAKBROOK DR ASPHALT PATH TO CONCRETE SIDEWALK CONVERSION

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	HMA Curb, Rem	Ft	40.000
2057011	_Grading, Sidewalk	Syd	301.000
2057011	_Grading, Sidewalk Ramp	Syd	0.000
2067050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
3010002	Subbase, CIP	Cyd	35.000
3027011	_Aggregate Base, 8 inch, Modified	Syd	18.000
3077021	_Trenching, Modified	Cyd	5.926
5010005	HMA Surface, Rem	Syd	1,882.680
5010025	Hand Patching	Ton	1.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	12.000
8030030	Curb Ramp Opening, Conc	Ft	28.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	2,460.000
8037010	_Sidewalk, Conc, 6 inch, Modified	Sft	252.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	20.000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	20.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	27.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	27.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	12.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	12.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (Sft)	Total Area (Sft)
3.0	*D3-1	Street Name Sign	4.000	12.000
3.0	W20-1	Road Work Ahead Sign	9.000	27.000



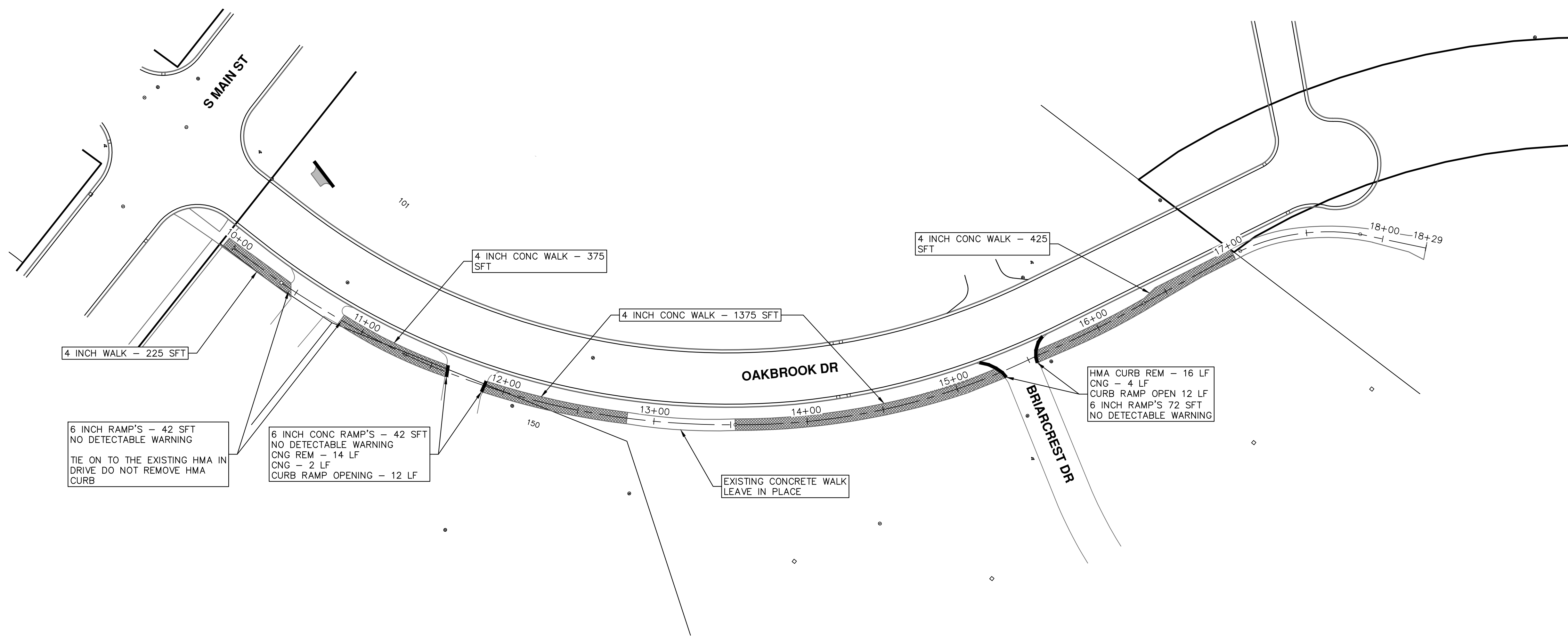
REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

CITY OF ANN ARBOR
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CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
OAKBROOK DR ASPHALT PATH TO CONCRETE SIDEWALK CONVERSION
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-55

T:\2022004\Plan Production\2022004 - Oakbrook Drive.dwg Dwg Created: 27-Mar-22 - _a2_standard bw.stb - Plot Date: 28-Mar-22



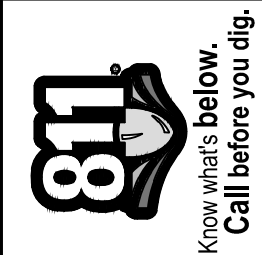
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 SCALE PLAN: 1" = 40'
 DRAWING No.
 2022-004-55-1

STREET RESURFACING PROJECT - 2022
 OAKBROOK DR ASPHALT PATH TO CONCRETE SIDEWALK CONVERSION
 STA. 10+00 - STA. 18+29



CITY OF ANN ARBOR
 PUBLIC SERVICES
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 ANN ARBOR, MI 48106-8647
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD
00	RFP SET	3/09/2022	AG/CE/GS	DAD





CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: S STATE ST ASPHALT PATH RESURFACING REHABILITATION

RFP NO. 22-26 FILE NO. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

PERFORM WORK ON THIS SHARED USE PATH IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ACTIVITIES LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK. ANY/ALL TEMPORARY LANE CLOSURES REQUIRED FOR THIS WORK SHALL SET UP AND REMOVED, RESPECTIVELY, AT THE BEGINNING AND END OF EACH WORK DAY.

1. IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.

2. PERFORM TREE REMOVAL AND/OR TRIMMING/PRUNING AS REQUIRED TO FACILITATE THE SHARED USE REHABILITATION AND AS DIRECTED BY THE ENGINEER.

3. REMOVE OVERBURDEN OF VEGETATION AND SOILS ALONG EACH SIDE OF THE PATH, AND TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.

4. PERFORM CRUSHING AND SHAPING OF THE EXISTING PATH. COMPACT AND PROOF ROLL CRUSHED MATERIAL TO IDENTIFY AREAS REQUIRING BASE REPAIRS AND/OR UNDERCUTS AS DIRECTED BY THE ENGINEER.

5. COMPLETE NECESSARY EARTHWORK AND GRADING TO WIDEN THE PATH AS REQUIRED TO ACHIEVE A CONSISTENT ±8 FOOT WIDTH FOR ITS ENTIRE LENGTH AND TO MATCH GRADES OF EXISTING FACILITIES ADJACENT TO THE PATH (E.I., SIDEWALKS, RAMPS, CURB CUTS, DRIVEWAYS, ETC.) ALL AS DIRECTED BY THE ENGINEER.

6. ADJUST ANY/ALL UTILITY STRUCTURES WITHIN THE EXISTING PATH SURFACE TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.

7. UPON APPROVAL FROM THE ENGINEER PLACE 3.5 INCH SHARED USE PATH HOT MIX ASPHALT (HMA) SURFACE COURSE USING 5E1 HMA MIXTURE.

8. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.

9. PERFORM ALL HMA AND CONCRETE REMOVAL AND REPLACEMENT WORK OR NEW CONCRETE WORK AS DIRECTED BY THE ENGINEER.

10. COMPLETE ALL SLOPE RESTORATION WORK.

11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.

12. REMOVE ALL SESC MEASURES, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.

13. OPEN SHARED USE PATH TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

Table with 4 columns: Item Code, Item Description, Unit, Quantity. Lists various materials and quantities for the project.

Table with 5 columns: Quantity, Sign Code, Description, Area (sf), Total Area (Sft). Lists signs and their areas.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

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PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

THE CONTRACTOR SHALL APPLY FOR INDIVIDUAL GRADING PERMITS ON THE FOLLOWING STREET LOCATIONS WHERE THE EXISTING ASPHALT PAVEMENT IS BEING REMOVED DOWN TO AGGREGATE BASE. S STATE ST ASPHALT PATH RESURFACING/ REHABILITATION



Table with 4 columns: REV., DATE, DESCRIPTION, CHECKED. Shows revision history.

CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET ANN ARBOR, MI 48101-3647 www.a3gov.org

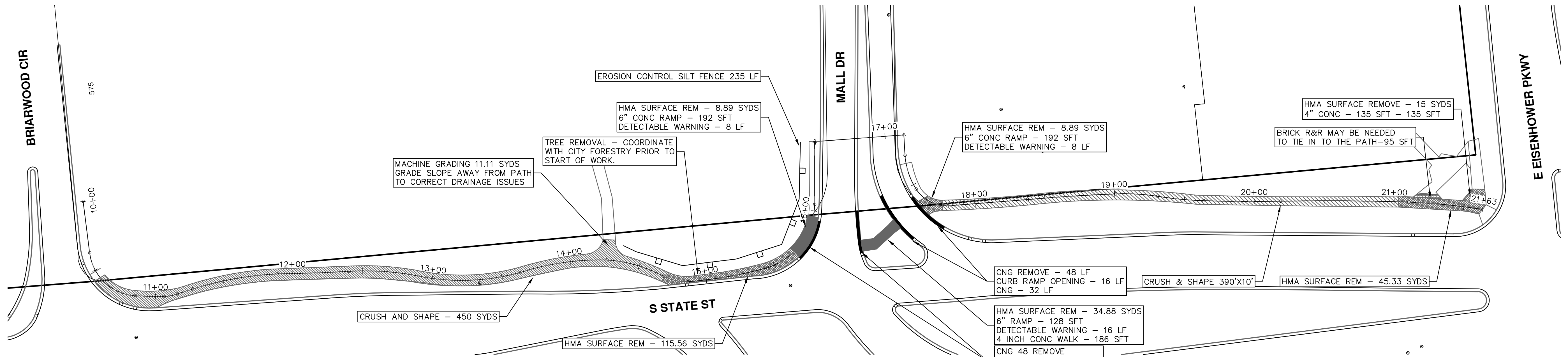


CITY OF ANN ARBOR - ENGINEERING STREET RESURFACING PROJECT - 2022 S STATE ST ASPHALT PATH RESURFACING REHABILITATION SUBSET COVER SHEET

SCALE: NTS DRAWING No. 2022-004-56

SHEET No.

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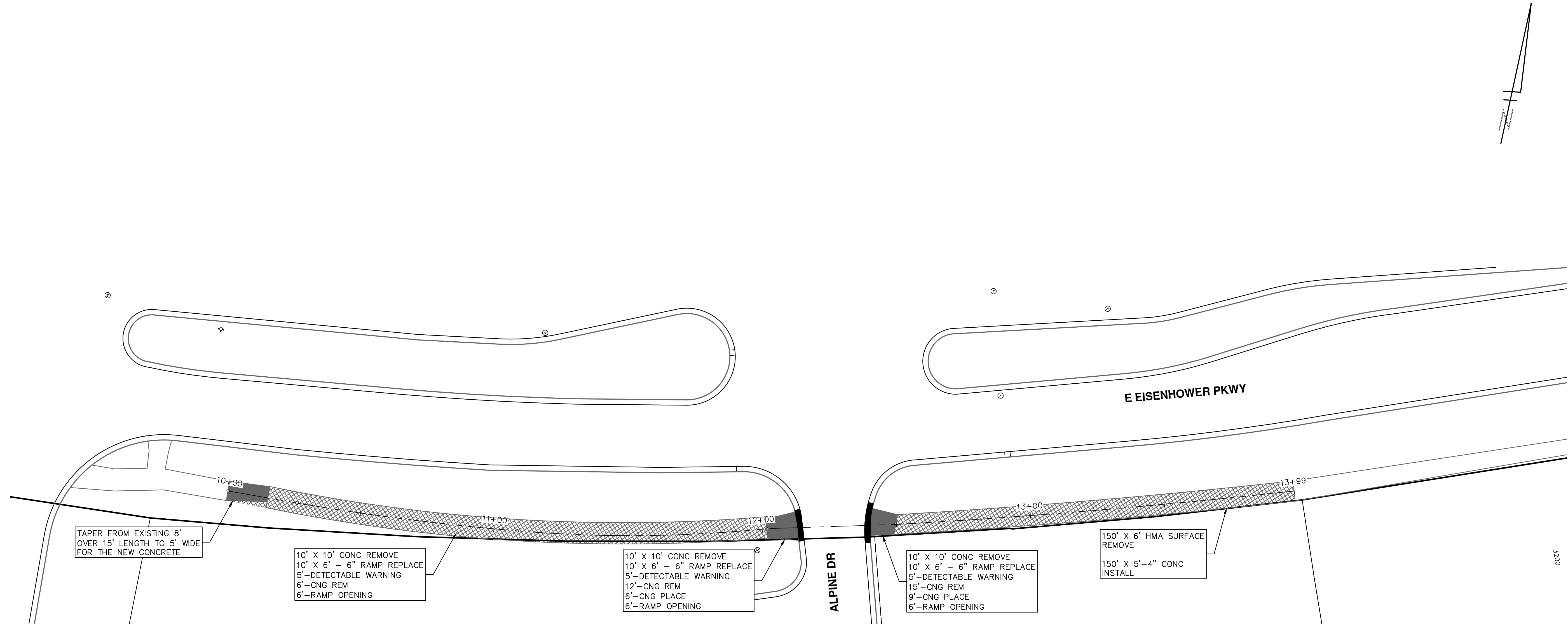
CITY OF ANN ARBOR
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REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

REV.	DATE	DRAWN	CHECKED
DAD	AG/CE/GS		
DAD	AG/CE/GS		



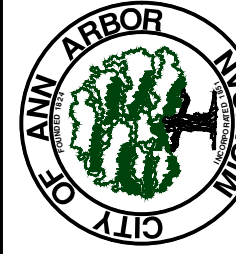
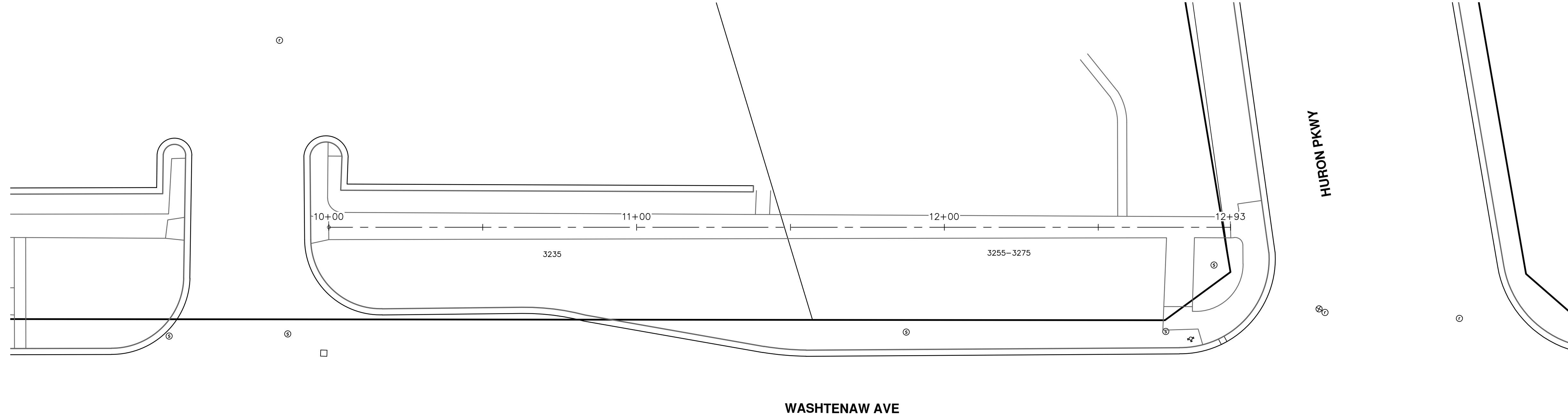
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CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48106-6647
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	RFP SET	3/09/2022	JAC/CE/OS	DAD
00	ADDENDUM 01	3/28/2022	JAC/CE/OS	DAD





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ANN ARBOR, MI 48106-0864
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM 01	3/28/2022	JG/CE/GS	DAD
00	RFP SET	3/09/2022	JG/CE/GS	DAD





CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: LONGMAN LN & FAIRVIEW DR TRAFFIC CALMING

ITB No. RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS", COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK.

PHASE 1 (EAST/SOUTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES FOR ALL PHASES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AS IDENTIFIED AND DIRECTED BY THE ENGINEER. THIS WORK MAY BE DONE DURING PHASE 1 FOR ALL PHASES UTILIZING FLAG CONTROL OR OTHER TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES.
4. INSTALL TRAFFIC CALMING DEVICES AS SHOWN ON THE PLANS.

PHASE 2 (WEST/NORTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES, AS REQUIRED, THAT WERE NOT ALREADY INSTALLED IN PHASE 1.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL NOT COMPLETED DURING PHASE 1 AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES.
4. INSTALL TRAFFIC CALMING DEVICES AS SHOWN ON THE PLANS.
5. COMPLETE RESTORATION AS REQUIRED.
6. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
7. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP.
8. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
9. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
5010005	HMA Surface, Rem	Syd	246.000
5017011	_Raised Crosswalk, HMA	Syd	177.000
5017011	_Speed Hump, HMA	Syd	115.000
6027011	_Speed Hump, Conc	Syd	115.000
6027011	_Raised Crosswalk, Conc	Syd	177.000
8110214	Pavt Mkg, Thermopl, 12 inch, Crosswalk	Fl	112.000
8110321	Rem Curing Compound, for Spec Mkg	Sft	720.000
8117050	_Pavt Mkg, Polyurea, Speed Hump Chevron, White	Ea	20.000
8117050	_Pavt Mkg, Thermopl, Speed Hump Chevron, White	Ea	20.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	6.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	6.000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	90.000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	90.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	365.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	365.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	_Temporary No Parking Sign	Ea	19.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	G20-2	End Road Work	4.500	9.000
5.0	W3-2	Yield Ahead	9.000	45.000
5.0	W1-4L	Reverse Curve (Right)	9.000	45.000
5.0	W1-6L	Shift arrow Left	9.000	45.000
5.0	W1-6R	Shift arrow Right	9.000	45.000
4.0	W20-1	Road Work Ahead Sign	9.000	36.000
5.0	W20-4	One Lane Road Ahead	9.000	45.000
5.0	R1-2	Yield	16.000	80.000
5.0	R1-2A	To Oncoming Traffic	3.000	15.000



REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET

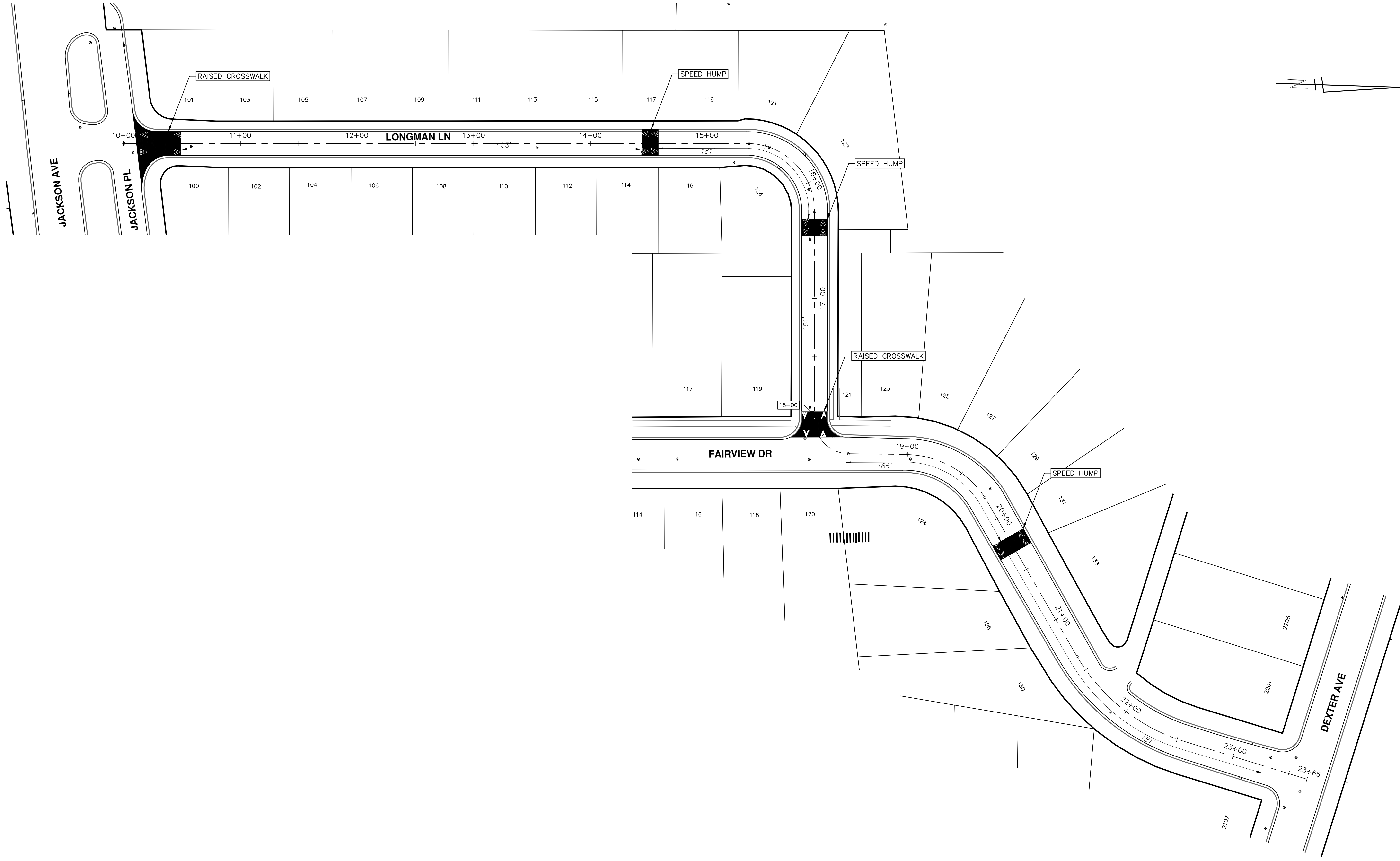
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-1667
734.794.4410
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CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
LONGMAN LN & FAIRVIEW DR TRAFFIC CALMING
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-59

T:\2022004\Plan Production\2022004 - Longman Ln & Fairview Dr.dwg Dwg Created: 27-Mar-22 - _a2 standard bw.stb - Plot Date: 28-Mar-22



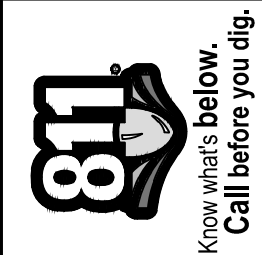
SHEET No.
59-1 OF 61

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
 LONGMAN LN & FAIRVIEW DR TRAFFIC CALMING
 STA. 10+00 - STA. 23+66



CITY OF ANN ARBOR
 PUBLIC SERVICES
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 ANN ARBOR, MI 48106-6647
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM 01	3/28/2022	JG/CE/GS	DAD
00	RFP SET	3/09/2022	JG/CE/GS	DAD





CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: NORTHSIDE AVE TRAFFIC CALMING

ITB No. RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK.

PHASE 1 (SOUTH SIDE OF STREET):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES FOR ALL PHASES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AS IDENTIFIED AND DIRECTED BY THE ENGINEER. THIS WORK MAY BE DONE DURING PHASE 1 FOR ALL PHASES UTILIZING FLAG CONTROL OR OTHER TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES.
4. INSTALL TRAFFIC CALMING DEVICES AS SHOWN ON THE PLANS.
5. COMPLETE ALL PHASE 1 RESTORATION WORK AS REQUIRED AND REMOVE NO PARKING SIGNS.

PHASE 2 (NORTH SIDE OF STREET):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL NOT COMPLETED DURING PHASE 1 AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES.
4. INSTALL TRAFFIC CALMING DEVICES AS SHOWN ON THE PLANS.
5. COMPLETE RESTORATION AS REQUIRED.
6. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
7. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP.
8. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
9. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL, POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
5010005	HMA Surface, Rem	Syd	35,000
5017011	Speed Hump, HMA	Syd	35,000
6027011	Speed Hump, Conc	Syd	35,000
8110321	Rem Curing Compound, for Spec Mkg	Sft	144,000
8117050	Pavt Mkg, Polyurea, Speed Hump Chevron, White	Ea	4,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1,000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	20,000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	20,000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	137,000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	137,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	G20-2	End Road Work	4,500	9,000
2.0	W3-2	Yield Ahead	9,000	18,000
1.0	W1-4L	Reverse Curve (Right)	9,000	9,000
1.0	W1-4R	Reverse Curve (Left)	9,000	9,000
1.0	W1-6L	Shift arrow Left	9,000	9,000
1.0	W1-6R	Shift arrow Right	9,000	9,000
2.0	W20-1	Road Work Ahead Sign	9,000	18,000
2.0	W20-4	One Lane Road Ahead	9,000	18,000
2.0	R1-2	Yield	16,000	32,000
2.0	R1-2A	To Oncoming Traffic	3,000	6,000



REV.	DATE	DESCRIPTION
01	3/28/2022	ADDENDUM 01
00	3/09/2022	RFP SET
		DRAWN
		CHECKED

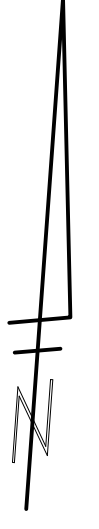
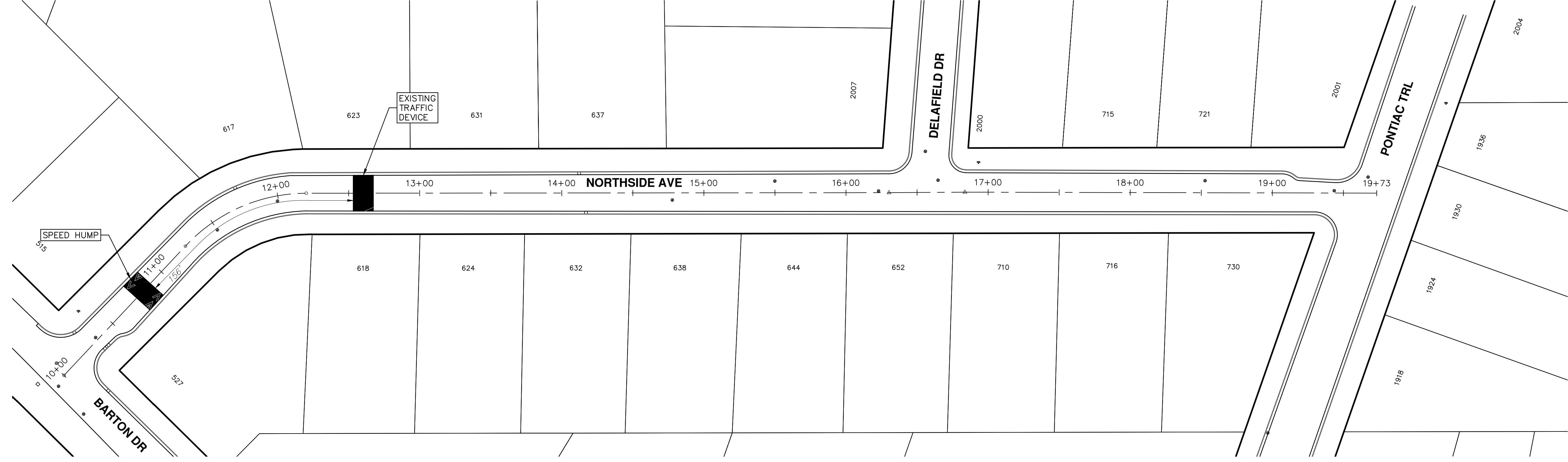
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
NORTHSIDE AVE TRAFFIC CALMING
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-60

T:\2022004\Plan Production\2022004 - Northside Ave.dwg Dwg Created: 27-Mar-22 - _o2 standard bw.stb - Plot Date: 28-Mar-22



SHEET No.
60-1 OF 61

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
 NORTHSIDE AVE TRAFFIC CALMING
 STA. 10+00 - STA. 19+73



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01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD
00	RFP SET	3/09/2022	AG/CE/GS	DAD





CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: GLAZIER WAY & TREMONT DR PEDESTRIAN CROSSING IMPROVEMENTS

ITB No. RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2020004	Tree, Rem, 6 inch to 18 inch	Ea	1,000
2020008	Slump, Rem, 6 inch to 18 inch	Ea	1,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	111,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	60,000
2057011	_Grading, Sidewalk Ramp	Syd	55,000
2057011	_Machine Grading, Special	Syd	17,330
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	2,000
5010005	HMA Surface, Rem	Syd	82,000
5010025	Hand Patching	Ton	7,000
6020054	Conc Pavt, Misc, Nonrein, 8 inch	Syd	156,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	70,000
8027001	_Curb and Gutter, Conc, Mountable	Ft	75,000
8030030	Curb Ramp Opening, Conc	Ft	48,000
8037001	_Detectable Warning Surface, Modified	Ft	68,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	417,000
8037010	_Sidewalk Ramp, Conc, 8 inch, Modified	Sft	80,000
8067011	_Shared use Path, Grading, Modified	Syd	12,000
8110214	Pavt Mkg, Thermopl, 12 inch, Crosswalk	Ft	48,000
8110343	Rem Spec Mkg	Sft	64,000
8120210	Pavt Mkg, Longt, 6 inch or Less Width, Rem	Ft	140,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	1,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	1,000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	128,000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	128,000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8,000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (Sft)	Total Area (Sft)
2.0	*D3-1	Street Name Sign	4,000	8,000
2.0	G20-2	End Road Work	4,500	9,000
1.0	W1-4L	Reverse Curve (Left)	9,000	9,000
1.0	W1-4R	Reverse Curve (Right)	9,000	9,000
1.0	W1-6L	Shift arrow Left	9,000	9,000
1.0	W1-6R	Shift arrow Right	9,000	9,000
2.0	W3-5B	Reduce Speed Zone	9,000	18,000
2.0	W20-1	Road Work Ahead Sign	9,000	18,000
2.0	R2-1	Speed Limit	7,500	15,000
2.0	R5-18C	Work Zone Begins	16,000	32,000

CONSTRUCTION METHOD AND SEQUENCING

PERFORM WORK AT THIS INTERSECTION IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ACTIVITIES LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK. ANY/ALL TEMPORARY LANE CLOSURES REQUIRED FOR THIS WORK SHALL SET UP AND REMOVED, RESPECTIVELY, AT THE BEGINNING AND END OF EACH WORK DAY WITH EXCEPTION TO THOSE FOR PHASE 3.

PHASE 1 (NORTH SIDE OF STREET):

- IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS FOR THIS PHASE, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES FOR ALL PHASES.
- PERFORM TREE REMOVAL AND TRIMMING/PRUNING NECESSARY TO CONSTRUCT NEW/RELOCATED PEDESTRIAN CROSSING.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER. NOTE: THIS WORK MAY BE DONE DURING PHASE 1 FOR ALL PHASES UTILIZING FLAG CONTROL OR OTHER TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER.
- COMPLETE NECESSARY HMA AND CONCRETE REMOVAL, EARTHWORK AND GRADING AS REQUIRED TO REMOVE EXISTING PEDESTRIAN CROSSING FACILITIES AND CONSTRUCT NEW ONES.
- UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE 4.0 INCH SUBBASE COURSE.
- UPON APPROVAL FROM THE ENGINEER PLACE PERFORM CONCRETE AND HMA WORK INCLUDING CONCRETE CURB AND GUTTER, CURB OPENINGS, 4.0 INCH CONCRETE SIDEWALK, 6.0 INCH SIDEWALK RAMPS AND HAND PATCHING.
- COMPLETE ALL SLOPE RESTORATION WORK.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES USED FOR THIS PHASE.

PHASE 2 (SOUTH SIDE OF STREET):

- IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS FOR THIS PHASE.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER NOT COMPLETED DURING PHASE 1.
- COMPLETE NECESSARY HMA AND CONCRETE REMOVAL, EARTHWORK AND GRADING AS REQUIRED TO REMOVE EXISTING PEDESTRIAN CROSSING FACILITIES AND CONSTRUCT REPLACEMENT ONES.
- UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE SUBBASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE PERFORM CONCRETE AND HMA WORK INCLUDING CONCRETE CURB AND GUTTER, CURB OPENINGS, 4.0 INCH CONCRETE SIDEWALK, 6.0 INCH SIDEWALK RAMPS AND HAND PATCHING.
- COMPLETE ALL SLOPE RESTORATION WORK.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES USED FOR THIS PHASE.

PHASE 3 (CENTER OF STREET):

- IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS FOR THIS PHASE.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AS IDENTIFIED AND DIRECTED BY THE ENGINEER NOT COMPLETED DURING PHASE 1.
- COMPLETE NECESSARY HMA REMOVAL, EARTHWORK AND GRADING AS REQUIRED TO CONSTRUCTION NEW PEDESTRIAN ISLAND.
- UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE PERFORM CONCRETE AND HMA WORK INCLUDING CONCRETE CURB AND GUTTER, CURB OPENINGS, 8.0 INCH CONCRETE PAVEMENT, 6.0 INCH SIDEWALK RAMPS AND HAND PATCHING.
- COMPLETE REMAINING MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.
- REMOVE ALL SESC MEASURES, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN SIDEWALKS TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

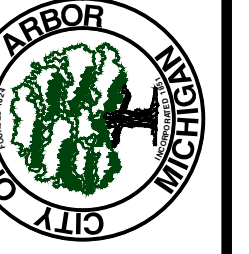
THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING AS SHOWN IN THE LOCAL TRAFFIC CONTROL PLAN. VERIFY EXACT SIGN QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

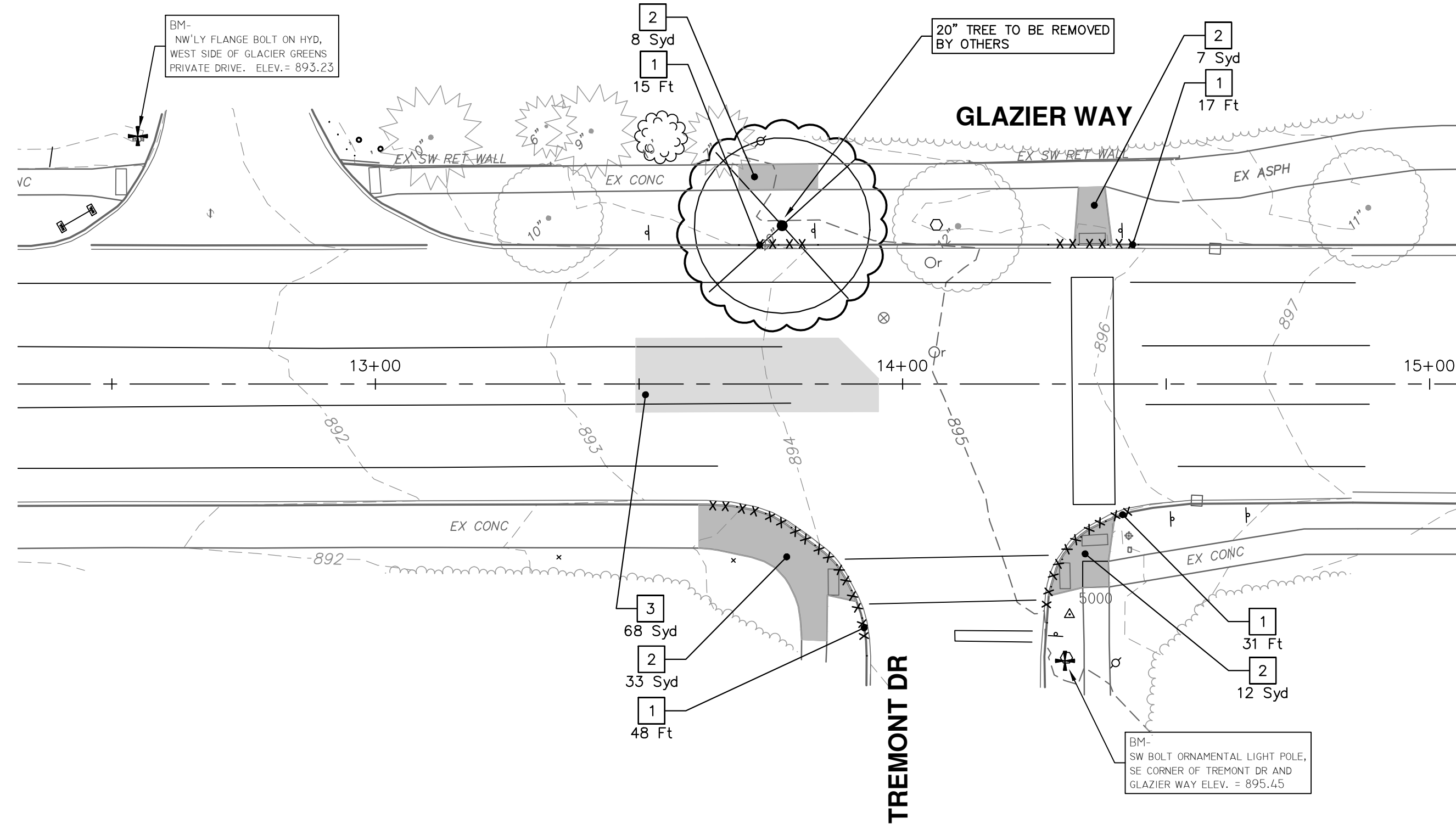


01	ADDENDUM 01	3/28/2022	3/09/2022	AG/CE/GS	AG/CE/GS	DAD	DAD	CHECKED
00	RFP SET							DRAWN
								REV.

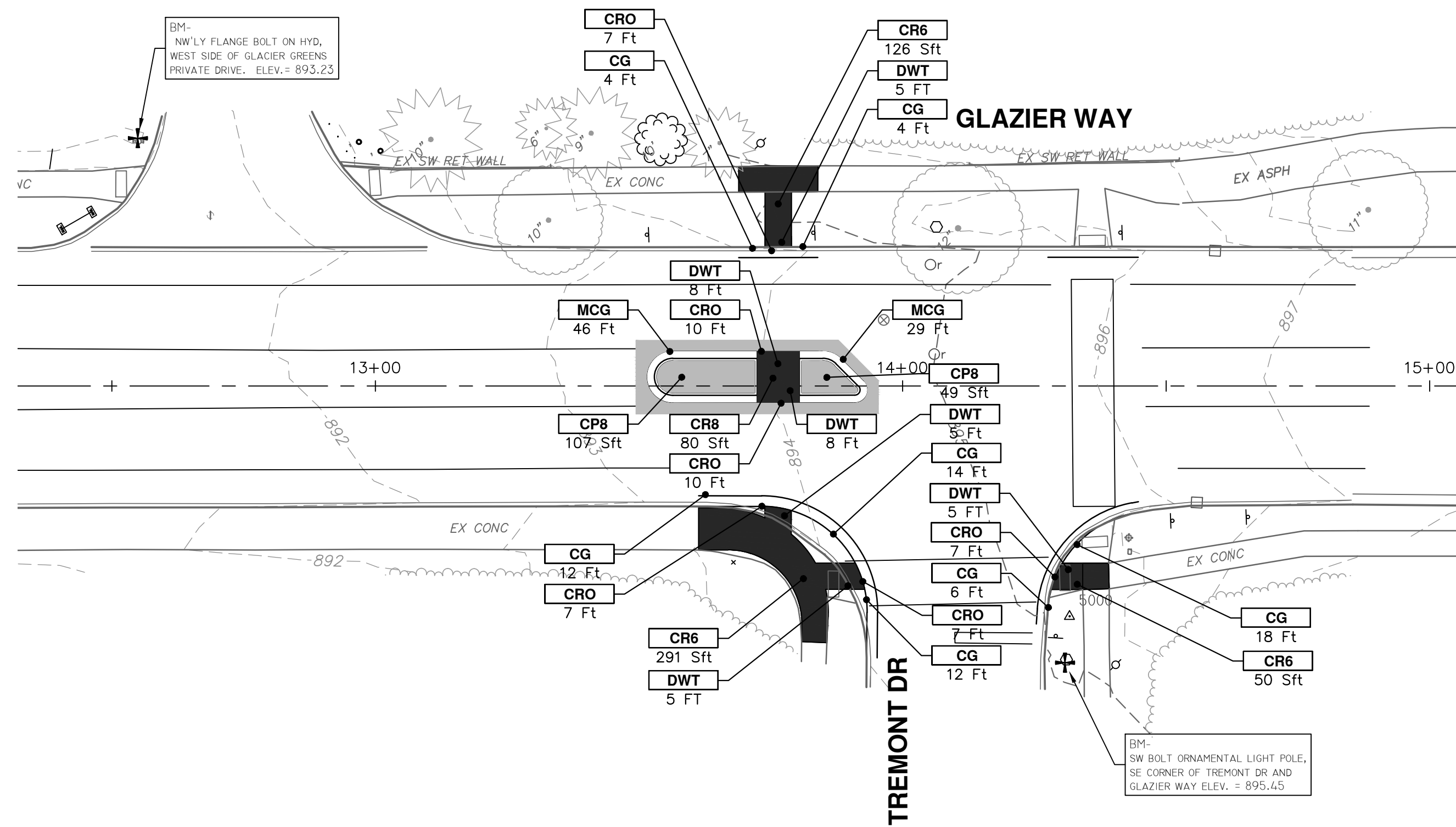
CITY OF ANN ARBOR
PUBLIC SERVICES
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ANN ARBOR MI 48106-8647
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CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
GLAZIER WAY & TREMONT DR PEDESTRIAN CROSSING IMPROVEMENTS
SUBSET COVER SHEET
SCALE: NTS
DRAWING No. 2022-004-61



REMOVAL KEY	
KEY	DESCRIPTION
1	CURB, GUTTER, AND CURB AND GUTTER, ANY TYPE, REM
2	SIDEWALK, SIDEWALK RAMP, AND DRIVE APPROACH, ANY THICKNESS, REM
3	HMA SURFACE, REM



CONSTRUCTION KEY	
KEY	DESCRIPTION
CG	CURB AND GUTTER, CONC, BARRIER
MCG	CURB AND GUTTER, CONC, MOUNTABLE
CRO	CURB RAMP OPENING, CONC
CR6	CURB RAMP, CONC, 6 INCH
CR8	CURB RAMP, CONC, 8 INCH
CP8	CONC PAVT, MISC, NONREINF, 8 INCH
DWT	DETECTABLE WARNING SURFACE, MODIFIED



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
GLAZIER WAY - TREMONT DRIVE INTERSECTION

SCALE: 1" = 20'
DRAWING No.
2022-004-61-1

REV	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM 01	3/28/2022	AG/CE/GS	DAD
00	RFP SET	3/09/2022	AG/CE/GS	DAD