



SURFACING COVER SHE

### **CONSTRUCTION NOTES:**

- 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. Location and depth of utilities as depicted on the plans is approximate and shown according to the best information available. It is the Contractor's responsibility to excavate ahead and adjust depth of conflict utilities accordingly. Any damage to utilities is the Contractor's responsibility to avoid and/or repair as necessary.
- 4. The Contractor is to take special care to protect the existing water main and be responsible for maintaining consistent water service.
- During non-working hours no trench shall remain open; any open trench shall be properly secured with protective fencing. This work shall be included in the item of work "General Conditions".
- 6. Trenches for new water services shall be excavated to MIOSHA and City of Ann Arbor Public Works requirements.
- City of Ann Arbor Public Works will install the corporation and copper service lead(s) to transfer the connection(s). If an existing water service is found to be failing or is not copper, the lead will be replaced to the curb box by Public Works.
- 8. For the installation of corporations, or any other related activities, the Contractor shall not receive additional compensation for delays due to the scheduling of or coordination with the City of Ann Arbor Public Works.
- "No Parking" signs shall be installed by the Contractor at locations as approved or directed by the Engineer. All signs shall be installed in accordance with the detailed specifications.
- 10. Postal delivery and refuse pickup service shall be maintained at all times by the Contractor.
- 11. Where street curbs are undermined due to construction activities, they shall be removed and replaced as directed by the Engineer.
- 12. The Contractor shall be responsible for the continuous maintenance of the temporary road surface and soil erosion control measures within the construction area until the full completion of the project. This work shall be included in the item of work "General Conditions".
- 13. All curb, sidewalk, driveway approach removals shall be approved by Engineer before the work is done.
- 14. The location of material stock piles and on-site staging areas to be approved by the Engineer.
- 15. For mainline paving, the width of the mat for each pass of the paver shall be not less than 10.5' or greater than 15', as directed by the Engineer. The Engineer will direct the layout of the longitudinal joints during construction.
- 16. All structures receiving new castings as directed by the Engineer, as specified on the standard casting schedule. The existing castings are the property of the City of Ann Arbor. The Contractor shall deliver to City of Ann Arbor Public Works Facility at the W.R. Wheeler Service Center located at 4251 Stone School Road.
- 17. Payment for drainage structure sumps, where specified, shall be included in the payment for the various drainage structure sizes and or types.
- 18. Where sewer 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.
- 19. Where sewer and water main are to be removed & replaced or added, all pipe shall be installed using Trench Detail detailed in the specifications or shown on Plans. Backfill for sewer and water construction shall be MDOT Granular Material, Class II, Modified.
- 20. Existing street name, guide, and regulatory signs, and mailboxes 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 "General Conditions, Max \$\_\_\_"
- 21. In areas where edge drain cannot be installed in accordance with Typical Edge Drain Trench SD-TD-4, the edge drain shall be installed at the depth as indicated on the plans, or as directed by Engineer. In no case shall the edge drain be installed at a grade less than 0.50% or at a depth of less than 2' below top of proposed pavement.

		HMA APPLI	CATTDN EST	IMATE	
PAY ITEM	HMA MIX	RATE OF APPLICATION	THICKNESS (INCHES)	BINDER	NOTES
		LC	CAL ROADS	·	·
HMA, 4EL	4EL	220 LB/SYD	2.0000	PG 58-28	TOP COURSE
HMA, 4EL	4EL	220 LB/SYD	2.0000	PG 58-28	LEVELING COURSE
HMA, DRIVEWAY WEDGING	4EL	VARIES	0-3	PG 58-28	DRIVEWAY APPROACH FEATHERING
HAND PATCHING	4EL	Max, 330 LB/SYD	Max 3	PG 58-28	HAND PATCHING
	-	MA	AJOR ROADS		·
HMA, 5EML	5EML	220 LB/SYD	2.0000	PG 64-22	TOP COURSE
HMA, 5EML	5EML	275 LB/SYD	2.5000	PG 64-22	TOP COURSE, FIFTH WILLIAM TO PACKARD
HMA, 4EL	4EL	220 LB/SYD	2.0000	PG 58-28	LEVELING COURSE
HMA, 4EL	4EL	220 LB/SYD	2.0000	PG 58-28	BASE COURSE
HMA, WEDGING, VARIABLE THICKNESS	4EL	VARIES	0-3	PG 58-28	PARKING LOT WEDGING
"ASPHALT EMULSION"	SS-1h	"0.05 - 0.15 GAL/SYD			INCLUDE IN COST OF HMA ITEM
		AS	PHALT PATHS		
HMA, 4EL	4EL	330 LB/SYD	3.0000	PG 58-28	TOP COURSE

Seed Mix					
MDOT Code		Rate			
TUF	Urban Freeway	220 lbs/Ac			
See Table 917-2 below for seed species breakdown					

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KING" SIGNS PERMIT*       CITY OF ANN ARBOR ENGINER         'SOIL EROSION & SEDIMENTATION PERMIT*       CITY OF ANN ARBOR CUSTON        WAY PERMIT*       CITY OF ANN ARBOR CUSTON         * NO COST TO CONTRACTOR       * NO COST TO CONTRACTOR         ITS REQUIRED TO BE OBTAINED BY THE CITY       R PRIOR TO THE BEGINNING OF CONSTRUCT         PERMIT       ISSUING AUTHOR         AIN CONSTRUCTION PERMIT       MICHIGAN DEPARTMENT OF ENGREAT LAKES, AND ENERGY OF SEWER CONSTRUCTION PERMIT         SEWER CONSTRUCTION PERMIT       MICHIGAN DEPARTMENT OF ENGREAT LAKES, AND ENERGY OF SEWER CONSTRUCTION PERMIT         ACT INFORMATION       MICHIGAN DEPARTMENT OF ENGREAT LAKES, AND ENERGY OF SEWER CONSTRUCTION PERMIT	ERING MER SERVICE MER SERVICE Y OF ANN TION. IORITY ENVIRONMENT, (EGLE) ENVIRONMENT, (EGLE)			/22/25 CE/VO/DW NB	DRAWN CHECKE
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CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	734) 794–6350	NN ARBOR SERVICES JRON STREET OX 8647 MI 48107-8647 94-6410 290v.org			
GHTS MA	ARK MORENO (34) 794–6361	TY OF	UBLIC 1 EAST H	N ARBOI 734-	
CITY OF ANN ARBOR INFORMATION TECHNOLOGY LARCOM CITY HALL 301 E. HURON STREET ANN ARBOR MI 48107	734) 794–6550		RBOI	AN	
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DTE ENERGY 3150 E. MICHIGAN AVE, (73 VDSH ANTH TOWASSHIP AN 48108	DBERT CZAPIEWSKI 34) 544-7818	Ý	<b>AII</b>		Ÿ
DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	NTHONY IGNASIAK 34) 397–4447		2025		
COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	EPHEN BECK 48) 972–7511		- MA		
AT&T STE 550 S. MAPLE ROAD (73 ANN ARBOR, MI 48103	EVEN ALLSHOUSE 34) 996–5381		0GF		
TIC MCI/VERIZON MA 4401 STECKER STREET (31 DEARBORN, MICHIGAN 48126	ARLON REDD 13) 588–0849	SING	IG PF	S L	)
TC WINDSTREAM GRI 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532 (81	REG SERICH 10) 244-3500	NEER			
GHTING DTE ENERGY LAN 8001 HAGGERTY ROAD (73 BELLEVILLE, MI 48111	NCE ALLEY (34) 397–4188	IDU	SURI	TANDA	

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<u>GENERAL</u> 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 COMPLETE AND ALL SOILS ARE STABILIZED.
- EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
- IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

24 HOURS OF A STORM EVENT.

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM <u>REQUIREMENTS:</u>

- FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
- (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- ACCUMULATED SEDIMENT IMMEDIATELY.
- 1.6. COMPLETE ALL FINE GRADING.



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

EGULAR FLOW SILTSACK						
OR AREAS OF LOW TO MODERATE	PRECIPITATION AND	RUN-OFF)				
PROPERTIES	REQUIRED VALUE	TEST METHOD				
RAB TENSILE STRENGTH RAB TENSILE ELONGATION UNCTURE MULLEN BURST RAPEZOID TEAR JV RESISTANCE IPPARENT OPENING SIZE LOW RATE PERMITTIVITY	ASTM D-4632 ASTM D-4632 ASTM D-4833 ASTM D-3786 ASTM D-4533 ASTM D-4535 ASTM D-4355 ASTM D-4751 ASTM D-4491 ASTM D-4491	300 LBS 20% 120 LBS 800 PSI 120 LBS 80% 40 US SIEVE 40 GAL/MIN/SQ FT 0.55 SEC -1				
I-FLOW SILTSACK						
OR AREAS OF MODERATE TO HEAV	VY PRECIPITATION A	ND RUN-OFF)				
PROPERTIES	REQUIRED VALUE	TEST METHOD				
RAB TENSILE STRENGTH RAB TENSILE ELONGATION PUNCTURE IULLEN BURST RAPEZOID TEAR IV RESISTANCE APPARENT OPENING SIZE LOW RATE PERMITTIVITY	ASTM D-4632 ASTM D-4632 ASTM D-4833 ASTM D-3786 ASTM D-4533 ASTM D-4555 ASTM D-4751 ASTM D-4491 ASTM D-4491	265 LBS 20% 135 LBS 420 PSI 45 LBS 90% 20 US SIEVE 200 GAL/MIN/SQ FT 1.5 SEC-1				
IL-ABSORBANT SILTSACK						
OR AREAS WHERE THERE IS A CO	NCERN 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.

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

11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING,

12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE

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

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

1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS

REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY

- 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 ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = \$67,080.

- ON SITE SOILS PER THE USDA SOIL SURVEY OF WASHTENAW COUNTY, MICHIGAN:
- BbB BLOUNT LOAM 2% TO 6% SLOPES. • CpA – CONOVER BROOKSTON LOAMS – 0% TO 2% SLOPES
- Pe PEWAMO CLAY LOAM 0% TO 2% SLOPES
- StB ST. CLAIR CLAY LOAM, 2% TO 6% SLOPES



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							CITY OF ANN ARBOR	PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647	va-ration www.a2gov.org 01 BID SET DESCRIPTION REV. DESCRIPTION
							ANN Ann	- 2025	AND THE REAL
							<b>CES - ENGINEERING</b>	RESURFACING PROGRAM	RAFFIC DEVICES - SPEED HUMP 1-B
EMENT OF Engineer Ctures s r	PLAN VIEW Not to scale DEVICES WILL BE B 2. POST WILL BE DF SPECIFICATIONS OR A	EHIND CURB Rove into gf S directed	AS DI Round By Th	RECTED PER T IE	ΗE		ARBOR - PUBLIC SERVI		Щ ———
`` Ance of d by the	DEVICES FROM THE Engineer.	TRAFFIC DEV	'ICE W	ill Be	AS		CITY OF ANN	SCALE : NTS No. 2 OL 4	2025-004-5





- \* <u>NOTES</u>:
- 1. PLAC By the MANUFA ENGINE[
- 2. DIS<sup>-</sup> Directe

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	FOR S. FIFTH AVE WATER MAIN AND RESURFACING PROJECT					
	SOUTH BOU	ND FIFTH A	<b>AVE</b>			
	SIGN	NUMBER (	QUANTITY			
$\frown$	S. FIFTH AVE	D3-1	4			
	DETOUR	M4-9S 30"x24"	4			
$\frown$	S. FIFTH AVE	D3—1	4			
(2A)	DETOUR	M4-9R 30"x24"	4			
	S. FIFTH AVE	D3-1	4			
(3A)	DETOUR	M4-9L 30"x24"	4			
$\frown$	S. FIFTH AVE	D3-1	2			
( <b>4</b> A)	END DETOUR	M4–8A 24"x18"	2			
<b>5</b> A	SOUTH BOUND FIFTH AVE CLOSED AT PACKARD FOLLOW DETOUR	SPECIAL 48x66	1			
<b>6</b> A	SOUTH BOUND FIFTH AVE CLOSED AT WILLAM FOLLOW DETOUR	SPECIAL 48x66	1			
(7A)	DETOUR	M4–10R 48"x18"	3			
	S. FIFTH AVE	D3-1	6			
88	DETOUR AHEAD	W20-2 36"x36"	6			
	S. FIFTH AVE	D3–1 36"x6"	6			
<b>9</b> A	ROAD WORK AHEAD	W20-1 36"x36"	6			
	S. FIFTH AVE	D3—1 36"x6"	7			
(10A)	ROAD CLOSED AHEAD	W20-3 36"x36"	7			
	BARRICADE, INTENSITY, I LIGHTED	TYPE III, H DOUBLE SID — 6 EACH	IIGH DED,			
	SIGN, PORTABL MESSAGE. NTC	E, CHANGE	ABLE			
	2 E VERIFY EXACT LOCATION W PRIOR TC	EACH QUANTITY /ITH ENGINE ORDERING	AND EER			





CING 2025 F	PROJECT
BOUND	OLIANTITY
D3-1	4
	4
D3-1	7
	7
D3-1	6
	6
D3—1	2 2
SPECIAL 48"x66"	2
	1
	1
D3—1 36"x12"	4
W20-2 36"x36"	4
D3—1 36"x12"	4
W20—1 36"x36"	4
D3-1	4
ა6″x6" w20 7	
w20-3 36"x36"	4
SPECIAL 48"x66"	3
SPECIAL 48"x66"	3
40 X00	



- EXACT NUMBER AND LOCATION OF THE SIGNS TO BE PLACED. THE ENGINEER AND THE CONTRACTOR 6. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN SIGNS AS SHOWN ON THE PLANS OR

- DIRECTED BY THE ENGINEER, THE CONTRACTOR WILL CLOSE AND DETOUR EAST AND WEST BOUND S. 10. ADVANCE WARNING SIGNS SHALL BE PROVIDED WITH TWO (2) TYPE A FLASHING LIGHTS AND ONE (1)
- 5. REFERENCE THE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR

- OTHERWISE DIRECTED BY THE ENGINEER.
- BACKGROUND.

- DAY-GLOW ORANGE FLAG.



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ADDITIONAL PROJECT REQUIREMENTS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO THE SECTION OF SAME SPECIAL PROVISION REGARDING COORDINATION WITH THE CITY SIGNS AND SIGNALS UNIT FOR MODIFICATIONS TO TRAFFIC SIGNALS FOR THE DETOUR.

7. CONSTRUCTION WARNING SIGNS SHALL HAVE AN ORANGE, HIGH-INTENSITY, REFLECTORIZED

8. SIGNS SHALL CONFORM TO THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

9. THE CONTRACTOR SHALL DRIVE ALL SIGNS INTO EXPOSED GROUND OR INSERT INTO A BORED HOLE IN PAVEMENT AS NECESSARY TO PERMANENTLY SECURE. ALL HOLES IN PAVEMENT SHALL BE FILLED WITH ENGINEER-APPROVED MORTAR WHEN THE SIGN IS REMOVED AND NO LONGER NEEDED. COSTS FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "SIGN, TYPE B, TEMP, PRISMATIC, FURN AND OPER"

11. CITY TO BE NOTIFIED A MINIMUM OF 7 DAYS PRIOR TO IMPLEMENTING DETOUR. MESSAGE BOARDS TO BE PLACED 7 DAYS PRIOR TO IMPLEMENTATION OF DETOUR.

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Item Description				
Erosion Control, Inlet Protection, Fabric Drop	Ea			
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea			
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea			
Cold-Milling HMA Surface	Syd			
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft			
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft			
DS_Grading Roadway	Syd			
Undercutting, Type III	Cyd			
DS_Sanitary Structure Cover, Adjust	Ea			
DS_Storm Structure Cover, Adjust	Ea			
DS_Storm Curb Inlet Adjust	Ea			
12 In., PE Storm Sewer, SD-TD-2	Ft			
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea			
Storm Sewer Pipe, 12 in. Dia., Rem	Ft			
Storm Sewer Drop Structure, Rem	Ea			
DS_Storm Structure Cover, Type K	Ea			
Water Gate Valve Box, Adjust	Ea			
DS_Flowable Fill	Cyd			
HMA, 4EL	Ton			
Conc, Curb or Curb & Gutter, All Types	Ft			
Conc, Driveway Opening, Type M	Ft			
Conc, Sidewalk, 4 in	Sft			
Conc, Sidewalk or Ramp, 6 inch	Sft			
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft			
Detectable Warning Surface	Ft			
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft			
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft			
Turf Restoration	Svd			

fiuri Restoration

# **JF ANN ARBOR** NGINEERING **NDERSON AVE** No. 25-02, FILE No. 2025-004



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.

- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.

- AND FINAL RESTORATION.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

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 4EL HMA MIXTURE.

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15. 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.

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,

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.



# **CITY OF ANN ARBOR** ENGINEERING **CARHART WINCHELL DR TO ANDERSON AVE** RFP No. 25-02, FILE No. 2025-004



Item Description	Unit	Estimate Qty	
Erosion Control, Inlet Protection, Fabric Drop	Ea	3	
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	37	
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12	
Temporary "No Parking" Sign	Ea	24	
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	40	
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2	
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	3	
Temporary Pedestrian Mat, Furn & Oper	Ft	30	
HMA Patch, Rem	Syd	30	
Cold-Milling HMA Surface	Syd	1770	
DS_Cold Milling, Plunge Cut	Syd	176	
DS_HMA Surface, Around Structure Cover, Rem	Ea	5	
DS_Concrete Pavt, Any Thickness, Rem, Pavt Repar	Syd	17	
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	520	
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	35	
DS_Flowable Fill	Cyd	1	
Hand Patching	Ton	2	
HMA, 4EL	Ton	210	
DS_HMA, Driveway Wedging	Ton	4	
Conc, Curb or Curb & Gutter, All Types	Ft	200	
Conc, Driveway Opening, Type M	Ft	320	
Conc, Sidewalk or Ramp, 6 inch	Sft	35	
Detectable Warning Surface	Ft	5	
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	59	
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	11	
Turf Restoration	Syd	50	



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.

- REPLACEMENT AS NEEDED.
- THE ENGINEER.
- COLD MILLING.

- DEVICES.

### **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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (2" MILL & FILL CURB REVEAL)

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 CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND

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

4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO

5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED. PLACE FLOW FILL ALONG FORM WORK GAP AT PEDESTRIAN RAMPS.

6. 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. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED

7. PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT AREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIEVE DENSITY USING 4EL HMA MIXTURE. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.

8. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.

9. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.

10. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.

12. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL

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Unit	Estimate Qty		RFP

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	2
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	47
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12
Temporary "No Parking" Sign	Ea	16
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	25
HMA Patch, Rem	Syd	14
Cold-Milling HMA Surface	Syd	742
DS_Cold Milling for Concrete Curb and Gutter Reveal	Syd	103
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	190
DS_Grading Roadway	Syd	742
Undercutting, Type III	Cyd	15
DS_Sanitary Structure Cover, Adjust	Ea	1
DS_Storm Structure Cover, Adjust	Ea	
DS_Storm Curb Inlet Adjust	Ea	1
12 In., PE Storm Sewer, SD-TD-2	Ft	8
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	1
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	7
Storm Sewer Drop Structure, Rem	Ea	1
DS_Storm Structure Cover, Type K	Ea	1
Water Gate Valve Box, Adjust	Ea	1
HMA, 4EL	Ton	190
DS_HMA, Driveway Wedging	Ton	2
Conc, Curb or Curb & Gutter, All Types	Ft	127
Conc, Driveway Opening, Type M	Ft	63
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	64
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	11
Turf Restoration	Syd	30

# **JF ANN ARBOR** NGINEERING **ART ANDERSON AVE** ) CRESTLAND DR <sup>P</sup> No. 25-02, FILE No. 2025-004



- NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.
- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.

- FINAL RESTORATION.
- 21. 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN 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

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

2. PERFORM CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND REPLACEMENT AS NEEDED.

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

4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.

5. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.

6. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.

7. 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

8. 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.

9. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER

10. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.

11. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.

12. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.

13. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

14. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

15. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

16. 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.

17. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.

18. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND





# **CITY OF ANN ARBOR** ENGINEERING **DEVOLSON AVE** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estima Qty
Erosion Control, Silt Fence	Ft	
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	
Temporary "No Parking" Sign	Ea	
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	
Cold-Milling HMA Surface	Syd	13
DS_HMA Surface, Around Structure Cover, Rem	Ea	
DS_Concrete Pavt, Any Thickness, Rem, Pavt Repar	Syd	
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	2
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	
DS_Flowable Fill	Cyd	
Hand Patching	Ton	
HMA, 4EL	Ton	1
Conc, Curb or Curb & Gutter, All Types	Ft	1
Conc, Driveway Opening, Type M	Ft	
Conc, Sidewalk or Ramp, 6 inch	Sft	
Detectable Warning Surface	Ft	
Turf Restoration	Syd	





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.

- THE ENGINEER.
- MILLING.
- GAP AT PEDESTRIAN RAMPS.

- DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### 2" MILL & FILL **CONSTRUCTION SCOPE AND SEQUENCING (2" MILL & FILL)**

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD

4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED .. PLACE FLOW FILL ALONG FORM WORK

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. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED

6. PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT AREAS UP TO LEVELING / PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIEVE DENSITY USING 4EL HMA MIXTURE.CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.

7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.

8. CLEAN PAVEMENT AND PLACE HMA APPROACHES 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





# **CITY OF ANN ARBOR** ENGINEERING **ESSEX AVE**

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	2
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	56
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16
Temporary "No Parking" Sign	Ea	12
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	40
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2
Cold-Milling HMA Surface	Syd	1033
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	726
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	1308
DS_Grading Roadway	Syd	1286
Undercutting, Type III	Cyd	21
DS_Sanitary Structure Cover, Adjust	Ea	1
DS_Storm Curb Inlet Adjust	Ea	2
DS_Water Structure Cover, Adjust	Ea	1
HMA, 4EL	Ton	240
Conc, Curb or Curb & Gutter, All Types	Ft	529
Conc, Driveway Opening, Type M	Ft	197
Conc, Sidewalk, 4 in	Sft	11
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	1286
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	88
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	13
Turf Restoration	Syd	200

### RFP No. 25-02, FILE No. 2025-004



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.

- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.

- FINAL RESTORATION.
- 20.0PEN 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

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 4EL HMA MIXTURE.

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15. 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.

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





# **CITY OF ANN ARBOR** ENGINEERING FERDON RD CRESTLAND TO SOUTH RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	14
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	123
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	28
Temporary "No Parking" Sign	Ea	46
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	65
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	6
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	6
Cold-Milling HMA Surface	Syd	2414
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	656
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	671
DS_Grading Roadway	Syd	2414
Undercutting, Type III	Cyd	49
DS_Sanitary Structure Cover, Adjust	Ea	4
DS_Storm Structure Cover, Adjust	Ea	1
DS_Storm Curb Inlet Adjust	Ea	4
12 In., PE Storm Sewer, SD-TD-2	Ft	24
DS_Storm Single Inlet, 24 In. ,Dia., (0-8 <b>I</b> deep)	Ea	3
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	21
Storm Sewer Drop Structure, Rem	Ea	3
DS_Storm Structure Cover, Type K	Ea	3
Water Gate Valve Box, Adjust	Ea	1
DS_Flowable Fill	Cyd	2
HMA, 4EL	Ton	560
DS_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	6
Conc, Curb or Curb & Gutter, All Types	Ft	365
Conc, Driveway Opening, Type M	Ft	291
Conc, Sidewalk, 4 in	Sft	161
Conc, Sidewalk or Ramp, 6 inch	Sft	114
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	396
Detectable Warning Surface	Ft	15
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	128
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	25
Turf Restoration	Syd	160

SOUTH BLVD ZZ  $\bigcirc$  $\square$ ZO BROCKMAN BLVD  $( \cap$ ഗ Ŷ  $\square$ Z ANDERS ANDERSON AVE NORTH CRESTLAND DR N

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK 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.

- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.
- COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.

- FINAL RESTORATION.

20.0PEN 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

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 4EL HMA MIXTURE.

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS 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



![](_page_14_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING FERDON RD STADIUM TO SOUTH RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	8
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	123
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	20
Temporary "No Parking" Sign	Ea	22
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	35
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	Ę
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	
Cold-Milling HMA Surface	Syd	2470
DS_Cold Milling for Concrete Curb and Gutter Reveal	Syd	179
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	243
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	867
DS_Grading Roadway	Syd	1645
DS_Grading, Sidewalk, Ramp & Driveway Approach	Sft	286
Undercutting, Type III	Cyd	33
DS_Sanitary Structure Cover, Adjust	Ea	-
DS_Storm Structure Cover, Adjust	Ea	
DS_Storm Curb Inlet Adjust	Ea	
12 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	20
12 In., PE Storm Sewer, SD-TD-2	Ft	8
DS_Storm Single Inlet, 24 In. ,Dia., (0-8Ideep)	Ea	
DS_Storm High Capacity Inlet, 48 In. Dia., (0-8 <b>1</b> deep)	Ea	
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	27
Storm Sewer Drop Structure, Rem	Ea	
DS_Storm Structure Cover, Type K	Ea	
DS_Storm Structure Cover, Type HC	Ea	
Underdrain, Subgrade, 6 inch	Ft	20
Water Gate Valve Box, Adjust	Ea	
DS_Flowable Fill	Cyd	
HMA, 4EL	Ton	410
Conc, Curb or Curb & Gutter, All Types	Ft	413
Conc, Driveway Opening, Type M	Ft	140
Conc, Sidewalk, 4 in	Sft	515
Conc, Sidewalk or Ramp, 6 inch	Sft	144
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	467
Detectable Warning Surface	Ft	1(
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	80
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	12
Turf Restoration	Syd	110

![](_page_14_Figure_5.jpeg)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN 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.

- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.

FINAL RESTORATION.

- 21. 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB-CURB REVEAL)

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

2. PERFORM CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND REPLACEMENT AS NEEDED.

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

4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.

5. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED

6. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.

7. 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

8. 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.

9. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER

10. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.

11. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.

12. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.

13. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

14. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

15. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

16. 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.

17. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.

18. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND

![](_page_14_Figure_54.jpeg)

![](_page_15_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING **GLADSTONE AVE** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	1
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	11.
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	28
Temporary "No Parking" Sign	Ea	4
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	60
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	
Cold-Milling HMA Surface	Syd	3764
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	310
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	13
DS_Grading Roadway	Syd	3802
Undercutting, Type III	Cyd	7
DS_Undercutting, Type IIC	Cyd	80
DS_Sanitary Structure Cover, Adjust	Ea	-
DS_Storm Structure Cover, Adjust	Ea	
Storm Sewer Tap, 12 In. Dia	Ea	
Underdrain, Subgrade, 6 inch	Ft	200
DS_Water Structure Cover, Adjust	Ea	
Water Gate Valve Box, Adjust	Ea	
DS_Aggregate Base Course, 21AA, CIP	Ton	1(
DS_Geotextile, Separator Fabric	Syd	140
HMA, 4EL	Ton	870
Conc, Curb or Curb & Gutter, All Types	Ft	310
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	15
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	2
Turf Restoration	Syd	7

![](_page_15_Figure_4.jpeg)

### CONSTRUCTION SCOPE AND SEQUENCING **GLADSTONE AVE (REHAB)**

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.

- (SESC) MEASURES.
- ENGINEER.
- MINIMUM OF 4 INCHES OF TOPSOIL BEHIND CURB.

- UTILITY OWNER.

- MIXTURE.
- APPROVAL FROM THE ENGINEER.

- AND FINAL RESTORATION.

20. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES. 21. 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

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

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

3. PERFORM UNDERCUT AND BANK STABILIZATION USING 1X3 AGGREGATE AND GEOSTABILIZATION FABRIC AND PLACE A

4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.

5. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.

6. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.

7. 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

8. 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.

9. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER

10. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.

11. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.

12. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA

13. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED. 14. CLEAN PAVEMENT AND PLACE TACK COAT AND PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE, WITH

15. CLEAN PAVEMENT AND PLACE TACK COAT, PLACE SIDE STREET HMA (TOP COURSE) AS REQUIRED.

16. 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.

17. CLEAN PAVEMENT AND PLACE HMA WEDGING FOR DRIVEWAYS AS REQUIRED.

18. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES. ALL OTHER NECESSARY CLEAN UP.

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SITY OF ANN ARBOR - PU	,LE		VING No.	5-004-16	

![](_page_16_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING **GLOUCESTER WAY** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	7
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	66
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16
Temporary "No Parking" Sign	Ea	30
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	45
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	3
Cold-Milling HMA Surface	Syd	1906
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	458
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	142
DS_Grading Roadway	Syd	1906
Undercutting, Type III	Cyd	39
DS_Storm Structure Cover, Adjust	Ea	1
DS_Storm Curb Inlet Adjust	Ea	7
12 In., PE Storm Sewer, SD-TD-2	Ft	48
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	6
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	42
Storm Sewer Drop Structure, Rem	Ea	6
DS_Storm Structure Cover, Type K	Ea	6
DS_Aggregate Base Course, 21AA, CIP	Ton	20
HMA, 4EL	Ton	450
Conc, Curb or Curb & Gutter, All Types	Ft	335
Conc, Driveway Opening, Type M	Ft	123
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	142
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	11
Turf Restoration	Syd	105

![](_page_16_Figure_4.jpeg)

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.

THE ENGINEER.

MILLING.

BOXES WITH APPLICABLE UTILITY OWNER.

5EL HMA MIXTURE.

UTILITY OWNER.

HMA MIXTURE.

DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD

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. COORDINTATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND

7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 5 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

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. COORDINTATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE

14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 5EL

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

![](_page_16_Figure_49.jpeg)

![](_page_17_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING **INDEPENDENCE BLVD** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	31
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	210
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	40
Temporary "No Parking" Sign	Ea	120
Lighted Arrow, Type C, Furn & Oper	Ea	1
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	160
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	12
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	4
Cold-Milling HMA Surface	Syd	8450
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	735
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	263
DS_Grading Roadway	Syd	8450
Undercutting, Type III	Cyd	175
DS_Sanitary Structure Cover, Adjust	Ea	16
DS_Storm Structure Cover, Adjust	Ea	8
DS_Storm Curb Inlet Adjust	Ea	12
12 In., PE Storm Sewer, SD-TD-2	Ft	72
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	9
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	63
Storm Sewer Drop Structure, Rem	Ea	9
DS_Storm Structure Cover, Type K	Ea	10
DS_Storm Structure, Point	Ea	9
DS_Water Structure Cover, Adjust	Ea	7
DS_Flowable Fill	Cyd	1
HMA, 4EL	Ton	1960
Conc, Curb or Curb & Gutter, All Types	Ft	560
Conc, Driveway Opening, Type M	Ft	175
Conc, Sidewalk or Ramp, 6 inch	Sft	75
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	188
DS_Speed Hump, Conc	Syd	260
Detectable Warning Surface	Ft	10
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	28
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	136
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	35
Recessing Pavt Mrkg, Transv	Sft	1008
DS_Raised Device Delineator	Ea	14
Turf Restoration	Syd	120

![](_page_17_Figure_4.jpeg)

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.

THE ENGINEER.

MILLING.

BOXES WITH APPLICABLE UTILITY OWNER.

10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.

4EL HMA MIXTURE.

UTILITY OWNER.

HMA MIXTURE.

DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD

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. COORDINTATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND

7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 5 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.

11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING

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. COORDINTATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE

14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL

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

![](_page_17_Figure_47.jpeg)

![](_page_18_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING **INDEPENDENCE BLVD SIDEWALK GAP PROJECT**

Item Description	Unit	Estimate Qty
DS_Mailbox, Rem, Temp Relocate & Reinstall	Ea	11
Erosion Control, Inlet Protection, Fabric Drop	Ea	10
Erosion Control, Silt Fence	Ft	65
DS_ Sign, Type IIIB	Sft	90
DS_Perforated Steel Square Tube Breakaway System	Ea	5
Stump, Rem	Ea	4
HMA, Any Thickness, Rem	Syd	65
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	508
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	2461
Sign, Rem, Salv	Ea	4
DS_Grading, Sidewalk, Ramp & Driveway Approach	Sft	8212
DS_Storm Curb Inlet Adjust	Ea	2
Water Gate Valve Box, Adjust	Ea	2
Curb Box, Adjust	Ea	2
DS_Aggregate Base Course, 21AA, CIP	Ton	39
Conc, Curb or Curb & Gutter, All Types	Ft	210
Conc, Driveway Opening, Type M	Ft	266
Conc, Sidewalk, 4 in	Sft	5098
Conc, Sidewalk or Ramp, 6 inch	Sft	1622
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	1512
Detectable Warning Surface	Ft	64
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	544
Turf Restoration	Syd	692

RFP No. 25-02, FILE No. 2025-004

![](_page_18_Figure_5.jpeg)

- CONTROL (SESC) MEASURES.

- AS DIRECTED BY THE ENGINEER

- OTHER NECESSARY CLEAN UP.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### INDEPENDENCE SIDEWALK GAP **CONSTRUCTION SCOPE 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 ACTIVATES 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 WORKDAY.

1. IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION

2. STAKING REQUEST SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.

3. TEMPORARILY RELOCATE MAIL BOXES PRIOR TO THE START OF ANY CONSTRUCTION.

4. REMOVE TOPSOIL AND PERFORM EARTH WORK TO PREPARE FOR THE SIDEWALK GRADING PER THE PLANS AND CITY SPECIFICATIONS. THIS MAY INCLUDE BUT NOT LIMITED TO PROVIDING CLASS II SAND PER THE CITY SPECIFICATION TO ACHIEVE GRADE AND PLACE A MINIMUM OF 4 INCHS UNDER THE SIDEWALK.

PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE TO COMPLETE NECESSARY HMA SURFACE AND CONCRETE SIDEWALK/PAVEMENT REMOVAL AND EARTHWORK/GRADING AS IDENTIFIED IN THE PLANSTO ACHIEVE OR

UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE CONCRETE SIDEWALK, RAMPS AND DRIVE APROACHES AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

7. COMPLETE ALL SLOPE RESTORATION WORK. REPLACE MAIL BOXES AND RESTORE ANY DISTURBED TOPSOIL.

8. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL

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

11	CITY OF ANN ARROR	- PURI IC SERVICES - ENGINEERING	ANA							
-			CITY OF AN	N ARBOR						
19										
) C	No	ANNIJAL RESURFACING PROGRAM - 2025	E 301 EAST HUR	ON STREET						
)F				( 8647 II 48107-8647						
47	DRAWING No.	INDEFENDENCE BEVD SIDEWALN GAF FROJECT	734-794 www.a20	-6410 ov.org	01 BID SET		01/22/25	CE/V0/DW	NB	Know what's below.
	2025-004-19	COVER SHEEL	<b>MCHIGHY</b>		EV.	DESCRIPTION	DATE	DRAWN (	CHECKED	Call before you dig.
© AN	INUAL RESURFACING	PROGRAM - 2025; RFP No. 25-02; 2025-004								

![](_page_19_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING **OLD BOSTON CT** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	2
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	87
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	8
Temporary "No Parking" Sign	Ea	6
Lighted Arrow, Type C, Furn & Oper	Ea	1
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	30
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	4
Cold-Milling HMA Surface	Syd	512
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	185
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	36
DS_Grading Roadway	Syd	512
Undercutting, Type III	Cyd	10
DS_Storm Curb Inlet Adjust	Ea	2
12 In., PE Storm Sewer, SD-TD-2	Ft	8
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	1
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	7
Storm Sewer Drop Structure, Rem	Ea	1
DS_Storm Structure Cover, Type K	Ea	2
Curb Box, Adjust	Ea	1
DS_Flowable Fill	Cyd	1
HMA, 4EL	Ton	120
Conc, Curb or Curb & Gutter, All Types	Ft	125
Conc, Driveway Opening, Type M	Ft	60
Conc, Sidewalk or Ramp, 6 inch	Sft	36
Detectable Warning Surface	Ft	5
Pavt Mrkg, Polymer Cement Surface, Bike Lane Green	Sft	200
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	136
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	24
Turf Restoration	Syd	45

![](_page_19_Figure_4.jpeg)

![](_page_19_Figure_5.jpeg)

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.

- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.
- COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.

- FINAL RESTORATION.
- 20.0PEN 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

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 4EL HMA MIXTURE.

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS 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

![](_page_19_Figure_51.jpeg)

![](_page_20_Picture_0.jpeg)

Item Description	Unit	Estimate Qty
rosion Control, Inlet Protection, Fabric Drop	Ea	3
ign, Type B, Temp, Prismatic, Furn & Oper	Sft	56
ign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16
emporary "No Parking" Sign	Ea	30
arricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2
old-Milling HMA Surface	Syd	930
urb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	245
S_Grading Roadway	Syd	930
ndercutting, Type III	Cyd	19
S_Sanitary Structure Cover, Adjust	Ea	1
'ater Gate Valve Box, Adjust	Ea	1
MA, 4EL	Ton	220
onc, Curb or Curb & Gutter, All Types	Ft	133
onc, Driveway Opening, Type M	Ft	112
avt Mrkg, Thermopl, 12 In., Crosswalk	Ft	56
avt Mrkg, Thermopl, 24 In., Stop Bar	Ft	11
urf Restoration	Syd	50

# **CITY OF ANN ARBOR** ENGINEERING STEERE PL

### RFP No. 25-02, FILE No. 2025-004

![](_page_20_Figure_5.jpeg)

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.

- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.

- FINAL RESTORATION.
- 20.0PEN 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

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 4EL HMA MIXTURE.

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15. 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.

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

![](_page_20_Figure_51.jpeg)

![](_page_21_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING WASHTENAW SERVICE DRIVE RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	6
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	93
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	83
DS_ Sign, Type IIIB	Sft	20
DS_Perforated Steel Square Tube Breakaway System	Ea	10
Lighted Arrow, Type C, Furn & Oper	Ea	1
Sign, Portable, Changeable Message, Furn & Oper	Ea	2
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	90
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	6
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	2
Temporary Pedestrian Mat, Furn & Oper	Ft	40
Cold-Milling HMA Surface	Syd	6977
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	548
DS_Grading Roadway	Syd	6977
Undercutting, Type III	Cyd	300
DS_Sanitary Structure Cover, Adjust	Ea	5
DS_Storm Structure Cover, Adjust	Ea	4
DS_Storm Curb Inlet Adjust	Ea	2
Underdrain, Subgrade, 6 inch	Ft	450
DS_Water Structure Cover, Adjust	Ea	1
Water Gate Valve Box, Adjust	Ea	6
DS_Aggregate Base Course, 21AA, CIP	Ton	50
DS_Flowable Fill	Cyd	2
HMA, 4EL	Ton	1620
DS_HMA Wedging, Variable Thickness	Ton	26
Conc, Curb or Curb & Gutter, All Types	Ft	344
Conc, Driveway Opening, Type M	Ft	204
DS_Pavt Mrkg, Polymer Cement Surface, Tan	Sft	610
Pavt Mrkg, Sprayable Thermopl, 4 In., White	Ft	80
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	216
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	24
Pavt Mrkg, Thermopl, 4 In., For On?Street Parking, White	Ft	4420
Pavt Mrkg, Preformed Thermopl, Accessible Sym	Ea	5
DS_Pavt Mrkg, Waterborne, for Rest Areas, Parks, and Lots, 4 inch, Blue	Ft	383
DS_Bikeway Delineator Post Black	Fa	8

![](_page_21_Figure_5.jpeg)

### **CONSTRUCTION SCOPE AND SEQUENCING (REHAB)**

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

PHASE-1 WEST HALF OF THE PARKING LOT (LIMITS TO BE DETERMINED BY THE ENGINEER PRIOR TO START OF WORK) WEST HALF MUST BE FINISHED PAVED PRIOR TO STARTING THE EAST HALF TO ALLOW BUSINESS PARKING THRU THE PROJECT. DURING PHASE 1 ALL PARKING WILL BE DIRECTED TO THE EAST HALF OF PROJECT THAT IS NOT UNDER CONSTRUCTION.

- 3. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED
- 4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- PLACEMENT OF 4 INCHES OF NEW HMA
- 7. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED BY THE ENGINEER
- 8. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- 10. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH LEVELING COURSE HMA MIX (4EL).
- THE ENGINEER

- 15. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.

PHASE-2 EAST HALF OF THE PARKING LOT (LIMITS TO BE DETERMINED BY THE ENGINEER PRIOR TO START OF WORK) WEST HALF MUST BE FINISHED PAVE; ALL STRUCTURES SHALL BE ADJUSTED AND PAVEMENT MARKINGS COMPLETED PRIOR TO STARTING THE EAST HALF TO ALLOW BUSINESS PARKING THRU THE PROJECT. PARKING WILL BE DIRECTED TO THE WEST HALF OF THE SERVICE DRIVE UPON COMPLETION TO ALLOW PARKING FOR BUSINESSES.

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. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING. 3. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED. 4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.

- MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- 7. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED BY THE ENGINEER,
- 10. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH LEVELING COURSE HMA MIX (4EL).

- 13. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED 14. REMOVE ALL SESC MEASURES.
- 15. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- RESTORATION.
- 17. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

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. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING

5. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED.

6. REMOVE ALL OF THE EXISTING HMA SURFACE (APPROXIMATELY 4 INCHES) BY COLD MILLING. REMOVE SUFFICIENT EXISTING BASE TO ALLOW FOR THE

9. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER

11. PRIOR TO OR AT TIME OF WEARING COURSE PLACE HMA WEDGING VARIABLE THICKNESS AT WEST MOST LIMITS WERE MARKED OUT OR AS DIRECTED BY

1. CLEAN PAVEMENT AND PLACE TACK COAT AND PLACE 2.0 INCH HMA TOP COURSE, USING 4EL HMA MIXTURE, WITH APPROVAL FROM THE ENGINEER.

12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.

13. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

14. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

5. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED.

6. REMOVE ALL OF THE EXISTING HMA SURFACE (APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE

8. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.

9. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.

11. CLEAN PAVEMENT AND PLACE TACK COAT AND PLACE 2.0 INCH HMA TOP COURSE, USING 4EL HMA MIXTURE, WITH APPROVAL FROM THE ENGINEER.

12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.

16. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL

![](_page_21_Figure_70.jpeg)

![](_page_22_Picture_0.jpeg)

Item Description	Unit	Estimate Qty
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	28
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	8
Temporary "No Parking" Sign	Ea	10
Lighted Arrow, Type C, Furn & Oper	Ea	1
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	5
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	30
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	1
Cold-Milling HMA Surface	Syd	756
DS_HMA Surface, Around Structure Cover, Rem	Ea	3
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	50
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	100
HMA, 4EL	Ton	84
DS_HMA, Wedging	Ton	4
Conc, Driveway Opening, Type M	Ft	50
Conc, Sidewalk, Drive Approach, or Ramp, 8 In.	Sft	100
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	104
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	14

# CITY OF ANN ARBOR ENGINEERING **ABBOT ST**

![](_page_22_Figure_5.jpeg)

![](_page_22_Figure_6.jpeg)

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.

- REPLACMENT AS NEEDED.
- BY THE ENGINEER.
- COLD MILLING.

- DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### 2" MILL & FILL (CURB REVEAL) **CONSTRUCTION SCOPE AND SEQUENCING**

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 CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND

3. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED

4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO

5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED. PLACE FLOW FILL ALONG FORM WORK GAP AT PEDESTRIAN RAMPS.

6. 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. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED

7. PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT ARREAS UP TO LEVELING / PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIVE DENSITY USING 4EL HMA MIXTURE. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.

8. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.

9. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.

10. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.

12. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL

13. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

### **1** 20 2025 NNUAL RESURFACING PROGRAM ABBOT ST - COVER SHEET 25-02 **SERVICES - ENGINEERING** No. RFP 2025 PROGRAM PUBLIC ESURFACING ANN ARBOR ОF R CITY ANNUAL SHEET No 23 OF 47

![](_page_23_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING **COLLINGWOOD DR** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	8
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	123
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	28
Temporary "No Parking" Sign	Ea	36
Lighted Arrow, Type C, Furn & Oper	Ea	1
Sign, Portable, Changeable Message, Furn & Oper	Ea	2
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	10
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	80
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	6
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	10
Cold-Milling HMA Surface	Syd	2764
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	895
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	683
DS_Grading Roadway	Syd	1916
Undercutting, Type III	Cyd	56
DS_Storm Structure Cover, Adjust	Ea	3
DS_Sanitary Structure Cover, Adjust	Ea	4
DS_Storm Curb Inlet Adjust	Ea	6
DS_Monument Box, Adjust	Ea	1
Water Gate Valve Box, Adjust	Ea	4
12 In., PE Storm Sewer, SD-TD-2	Ft	40
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	5
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	35
Storm Sewer Drop Structure, Rem	Ea	5
DS_Storm Structure Cover, Type K	Ea	5
DS_Flowable Fill	Cyd	6
HMA, 4EL	Ton	550
Conc, Curb or Curb & Gutter, All Types	Ft	661
Conc, Driveway Opening, Type M	Ft	228
Conc, Sidewalk, 4 in	Sft	157
Conc, Sidewalk or Ramp, 6 inch	Sft	266
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	92
Conc, Sidewalk, Drive Approach, or Ramp, 8 In.	Sft	83
Detectable Warning Surface	Ft	45
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	304
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	51
Turf Restoration	Syd	230

![](_page_23_Figure_4.jpeg)

FULL DEPTH REHAB

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.

- CONTROL (SESC) MEASURES.
- ENGINEER.
- MILLING.

- REMAINING HMA BASE HAS FAILED.

- MIXTURE.
- APPROVAL FROM THE ENGINEER.
- OWNER.

- UP, AND FINAL RESTORATION.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

COLLINGWOOD FROM ABBOT NORTH TO JACKSON, FAIR SOUTH TO LIMITS AND SIDE OF ROAD ABBOT TO FAIR WILL ALL BE

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

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD

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 FULL DEPTH AREA OF 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 WERE DIRECTED OR MARKED OUT IN THE FIELD BY THE ENGINEER (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. ALONG THE EAST SIDE OF THE ROAD CENTERLINE TO EDGE OF METAL, BETWEEN ABBOT TO FAIR REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE

9. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.

10. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.

11. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.

12. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA

13. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

14. CLEAN PAVEMENT AND PLACE TACK COAT AND PLACE 2.0 INCH HMA TOP COURSE, USING 4EL HMA MIXTURE, WITH

15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

16. 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

17. CLEAN PAVEMENT AND PLACE HMA WEDGING FOR DRIVEWAYS AS REQUIRED.

18. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN

20. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES. 21. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

![](_page_23_Figure_54.jpeg)

![](_page_24_Picture_0.jpeg)

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Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	6
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	4
Cold-Milling HMA Surface	Syd	3560
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	1051
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	150
DS_Grading Roadway	Syd	3156
DS_Grading, Sidewalk, Ramp & Driveway Approach	Sft	150
Undercutting, Type III	Cyd	64
DS_Sanitary Structure Cover, Adjust	Ea	3
DS_Storm Structure Cover, Adjust	Ea	4
DS_Storm Curb Inlet Adjust	Ea	8
12 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	38
12 In., PE Storm Sewer, SD-TD-2	Ft	50
Storm Sewer Tap, 12 In. Dia	Ea	2
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	8
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	44
Storm Sewer Drop Structure, Rem	Ea	6
DS_Storm Structure Cover, Type K	Ea	8
DS_Storm Structure Cover, Type Z	Ea	1
DS_Water Structure Cover, Adjust	Ea	1
DS_Flowable Fill	Cyd	1
HMA, 4EL	Ton	830
Conc, Curb or Curb & Gutter, All Types	Ft	729
Conc, Driveway Opening, Type M	Ft	322
Conc, Sidewalk, 4 in	Sft	50
Conc, Sidewalk or Ramp, 6 inch	Sft	36
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	64
Detectable Warning Surface	Ft	5
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	15
Turf Restoration	Syd	250

# **JF ANN ARBOR** NGINEERING CHARLTON ST No. 25-02, FILE No. 2025-004

![](_page_24_Figure_6.jpeg)

(SESC) MEASURES.

ENGINEER.

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.

10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.

MIXTURE.

USING 4EL HMA MIXTURE.

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15.

18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK 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

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

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

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.

11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE

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.

16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.

17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

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.

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![](_page_25_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING FAIR ST

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	8
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	67
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16
Temporary "No Parking" Sign	Ea	42
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	80
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4
Cold-Milling HMA Surface	Syd	3348
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	1219
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	173
DS_Grading Roadway	Syd	3373
Undercutting, Type III	Cyd	70
DS_Sanitary Structure Cover, Adjust	Ea	6
DS_Storm Structure Cover, Adjust	Ea	4
DS_Storm Curb Inlet Adjust	Ea	6
12 In., PE Storm Sewer, SD-TD-2	Ft	48
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	6
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	42
Storm Sewer Drop Structure, Rem	Ea	6
DS_Storm Structure Cover, Type K	Ea	6
Water Gate Valve Box, Adjust	Ea	1
Curb Box, Adjust	Ea	
HMA, 4EL	Ton	780
DS_HMA, Soil Erosion, Wedge	Ft	218
Conc, Curb or Curb & Gutter, All Types	Ft	503
Conc, Driveway Opening, Type M	Ft	716
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	173
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	80
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	13
Turf Restoration	Syd	110

### RFP No. 25-02, FILE No. 2025-004

![](_page_25_Figure_6.jpeg)

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.

- (SESC) MEASURES.

- UTILITY OWNER.
- 7.

- 4EL HMA MIXTURE.

- AND FINAL RESTORATION.
- 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

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 4EL HMA MIXTURE.

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15. 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.

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,

19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.

![](_page_25_Figure_53.jpeg)

202 N 25-0 No RFP 2025 AM **PROGR**/ SURFACING Ш Б NNN 4

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![](_page_26_Picture_0.jpeg)

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Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	3
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	19
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	4
Temporary "No Parking" Sign	Ea	40
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	40
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	1
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	3
Cold-Milling HMA Surface	Syd	1365
DS_Cold Milling, Plunge Cut	Syd	250
DS_HMA Surface, Around Structure Cover, Rem	Ea	4
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	386
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	82
DS_Storm Structure Cover, Type K	Ea	1
DS_Storm Structure, Reconstruct	Ft	1
HMA, 4EL	Ton	160
Conc, Curb or Curb & Gutter, All Types	Ft	170
Conc, Driveway Opening, Type M	Ft	216
Conc, Sidewalk, 4 in	Sft	47
Conc, Sidewalk or Ramp, 6 inch	Sft	47
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	70
Turf Restoration	Syd	100

# **JF ANN ARBOR** NGINEERING **GARDEN CIR**

RFP No. 25-02, FILE No. 2025-004

![](_page_26_Figure_6.jpeg)

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.

- ENGINEER.
- MILLING.
- GAP AT PEDESTRIAN RAMPS.

### **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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (2" MILL & FILL)

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD

4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED .. PLACE FLOW FILL ALONG FORM WORK

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. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED

6. PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT ARREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIVE DENSITY USING 4EL HMA MIXTURE.CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.

7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.

8. CLEAN PAVEMENT AND PLACE HMA APPROACHES 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.

			01/22/25 CE/VO/DW NB Know what's below.	DATE DRAWN CHECKED Call before you dig.	
			BID SET	DESCRIPTION	
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<b>EXAMPLE SERVICES - ENGINEERING</b>	No. 7 C	ANNUAL RESURFACING PROGRAM - 2025	DRAWING NO. GARDEN CIR - COVER SHEET	2025-004-27	

![](_page_27_Picture_0.jpeg)

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Item Description	Unit	Estima Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	-,
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	
Temporary "No Parking" Sign	Ea	
Lighted Arrow, Type C, Furn & Oper	Ea	
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	
Temporary Pedestrian Mat, Furn & Oper	Ft	(
HMA Patch, Rem	Syd	
Cold-Milling HMA Surface	Syd	176
DS_HMA Surface, Around Structure Cover, Rem	Ea	
DS_Cold Milling for Concrete Curb and Gutter Reveal	Syd	20
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	12
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	17
DS_Flowable Fill	Cyd	
HMA, 4EL	Ton	23
DS_HMA, Driveway Wedging	Ton	
Conc, Curb or Curb & Gutter, All Types	Ft	12
Conc, Driveway Opening, Type M	Ft	
Conc, Sidewalk or Ramp, 6 inch	Sft	17
Detectable Warning Surface	Ft	
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	25
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	
Turf Restoration	Syd	-

# **JF ANN ARBOR** NGINEERING PLEASANT PL No. 25-02, FILE No. 2025-004

![](_page_27_Figure_5.jpeg)

SPECIFICATIONS.

- THE ENGINEER.
- MILLING.
- GAP AT PEDESTRIAN RAMPS.

- DEVICES.

### **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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (2" MILL & FILL CURB REVEAL)

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

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 CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND REPLACMENT AS NEEDED.

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

4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD

5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED. PLACE FLOW FILL ALONG FORM WORK

6. 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. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED

7. PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT ARREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIVE DENSITY USING 4EL HMA MIXTURE. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.

8. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.

9. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.

10. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.

12. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL

			Know what's below.	Call before you dig.
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- PUBLIC SERVICES - ENGINEERING		ANNUAL RESURFACING PROGRAM - 2025	PLEASANT PL - COVER SHEET	
ABOR -				

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# **CITY OF ANN ARBOR** ENGINEERING SHELBY AVE RFP No. 25-02, FILE No. 2025-004

### **CONSTRUCTION SCOPE AND SEQUENCING (REHAB)**

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK 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.

- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.

- AND FINAL RESTORATION.
- 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

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

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

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 4EL HMA MIXTURE.

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15. 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.

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,

![](_page_28_Figure_49.jpeg)

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Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	3
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	74
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16
Temporary "No Parking" Sign	Ea	10
Lighted Arrow, Type C, Furn & Oper	Ea	1
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	20
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2
Temporary Pedestrian Mat, Furn & Oper	Ft	170
Cold-Milling HMA Surface	Syd	585
DS_Cold Milling, Plunge Cut	Syd	58
DS_HMA Surface, Around Structure Cover, Rem	Ea	3
HMA, 4EL	Ton	70
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	144
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	16

# **JF ANN ARBOR** NGINEERING THALER AVE

P No. 25-02, FILE No. 2025-004

![](_page_29_Figure_7.jpeg)

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.

- THE ENGINEER.
- MILLING.
- GAP AT PEDESTRIAN RAMPS.

- DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### **CONSTRUCTION SCOPE AND SEQUENCING (2" MILL & FILL)**

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD

4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED .. PLACE FLOW FILL ALONG FORM WORK

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. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED

6. PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT ARREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIVE DENSITY USING 4EL HMA MIXTURE.CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.

7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.

8. CLEAN PAVEMENT AND PLACE HMA APPROACHES 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

![](_page_29_Figure_39.jpeg)

![](_page_30_Picture_0.jpeg)

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Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	9
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	47
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12
Temporary "No Parking" Sign	Ea	40
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	60
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2
Cold-Milling HMA Surface	Syd	2890
DS_HMA Surface, Around Structure Cover, Rem	Ea	1
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	361
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	180
DS_Grading Roadway	Syd	2890
Undercutting, Type III	Cyd	60
DS_Storm Structure Cover, Adjust	Ea	4
DS_Sanitary Structure Cover, Adjust	Ea	5
DS_Storm Curb Inlet Adjust	Ea	5
Water Gate Valve Box, Adjust	Ea	1
12 In., PE Storm Sewer, SD-TD-2	Ft	40
DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	5
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	35
Storm Sewer Drop Structure, Rem	Ea	5
DS_Storm Structure Cover, Type K	Ea	4
DS_Storm Structure Cover, Type Z	Ea	1
HMA, 4EL	Ton	670
Conc, Curb or Curb & Gutter, All Types	Ft	279
Conc, Driveway Opening, Type M	Ft	82
Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	180
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	107
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	15
Turf Restoration	Syd	80

# **JE ANN ARBOR** NGINEERING **INEWOOD AVE** No. 25-02, FILE No. 2025-004

![](_page_30_Figure_5.jpeg)

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.

- (SESC) MEASURES.

- UTILITY OWNER.

- 4EL HMA MIXTURE.

- AND FINAL RESTORATION.
- 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.

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THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### **CONSTRUCTION SCOPE AND SEQUENCING (REHAB)**

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

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

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 4EL HMA MIXTURE.

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.

15. 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.

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,

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	CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET	ANVAL RESURFACING PROGRAM - 2025	No.     No.

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Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	4
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	171
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	20
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	30
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	5
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	4
Cold-Milling HMA Surface	Syd	676
DS_HMA Surface, Around Structure Cover, Rem	Ea	5
DS_Storm Structure, Point	Ea	2
DS_Sanitary Structure, Point	Ea	2
HMA, 4EL	Ton	80
HMA, 5EML	Ton	80
Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow	Ft	416
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	72
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	24

# **JE ANN ARBOR** NGINEERING **UNIVERSITY** No. 25-02, FILE No. 2025-004

![](_page_31_Figure_6.jpeg)

SPECIFICATIONS.

- THE ENGINEER.
- COLD MILLING.

- ENGINEER.

- 4EL HMA MIXTURE.

- REQUIRED.
- UTILITY OWNER.

- DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO

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

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

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 5EML HMA MIXTURE.

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS

15. 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

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

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Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	4
HMA, Any Thickness, Rem	Syd	1400
DS_Concrete Pavt, Any Thickness, Rem, Pavt Repar	Syd	170
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	405
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	158
DS_Grading Roadway	Syd	1400
Undercutting, Type III	Cyd	40
DS_Sanitary Structure, Point	Ea	
DS_Sanitary Structure Cover, Adjust	Ea	2
12 In., PE Storm Sewer, SD-TD-2	Ft	10
Storm Sewer Tap, 12 In. Dia	Ea	,
Storm Sewer Drop Structure, Rem	Ea	,
DS_Storm Structure, Point	Ea	
Underdrain, Subgrade, 6 inch	Ft	10
DS_Flowable Fill	Cyd	2
HMA, 4EL	Ton	330
HMA, 5EML	Ton	170
Conc, Curb or Curb & Gutter, All Types	Ft	110
Pavt Mrkg, Sprayable Thermopl, 4 In., White	Ft	120
Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow	Ft	200
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	10
Pavt Mrkg, Thermopl, Lt Turn Arrow Sym	Ea	,
DS_Monument Box, Adjust	Ea	

# **JE ANN ARBOR** NGINEERING ANN ST (ROB) No. 25-02, FILE No. 2025-004

![](_page_32_Figure_5.jpeg)

SPECIFICATIONS.

- THE ENGINEER.
- COLD MILLING.

- ENGINEER.

- 4EL HMA MIXTURE.
- REQUIRED.
- UTILITY OWNER.

- DEVICES.

### NOTES:

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THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO

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.

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

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

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS

15. 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

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

![](_page_32_Figure_53.jpeg)

![](_page_33_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING E. ANN ST ROUNDABOUT RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estim Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	
HMA, Any Thickness, Rem	Syd	1
DS_Concrete Pavt, Any Thickness, Rem, Pavt Repar	Syd	
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	
DS_Grading Roadway	Syd	1.
Undercutting, Type III	Cyd	
DS_Sanitary Structure, Point	Ea	
DS_Storm Structure Cover, Adjust	Ea	
DS_Storm Curb Inlet Adjust	Ea	
12 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	
Storm Sewer Tap, 12 In. Dia	Ea	
Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	
DS_Storm Structure Cover, Type K	Ea	
DS_Storm Structure, Point	Ea	
Underdrain, Subgrade, 6 inch	Ft	
Water Gate Valve Box, Adjust	Ea	
DS_Aggregate Base Course, 21AA, CIP	Ton	
DS_Flowable Fill	Cyd	
HMA, 4EL	Ton	
HMA, 5EML	Ton	
Conc Pavt, non-reinf, 6 inch	Syd	
Conc Pavt, non-reinf, 8 inch	Syd	
Conc, Curb or Curb & Gutter, All Types	Ft	
Conc, Driveway Opening, Type M	Ft	
Conc, Sidewalk, 4 in	Sft	
Conc, Sidewalk or Ramp, 6 inch	Sft	-
Detectable Warning Surface	Ft	
Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow	Ft	
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	
Pavt Mrkg, Thermopl, Lt Turn Arrow Sym	Ea	
Pavt Mrkg, Thermopl, Only	Ea	
DS_Pavt Mrkg, Thermopl, Yield Triangle	Ea	

![](_page_33_Figure_4.jpeg)

SPECIFICATIONS.

- THE ENGINEER.
- COLD MILLING.

- ENGINEER.

- 4EL HMA MIXTURE.
- REQUIRED.
- UTILITY OWNER.

- DEVICES.

### **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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

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

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

3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO

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.

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

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

12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.

13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.

14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS

15. 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

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

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ARBOR - PUBLIC SERVICES - ENGINEERING				E. ANN ST ROUNDABOUT - COVER SHEET 1-B	ACCHIGAN A	
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# **CITY OF ANN ARBOR** ENGINEERING S. FIFTH AVE RFP No. 25-02, FILE No. 2025-004

![](_page_34_Picture_1.jpeg)

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	9
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	402
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	64
DS_ Sign, Type IIIB	Sft	0
DS_Perforated Steel Square Tube Breakaway System	Ea	0
Temporary "No Parking" Sign	Ea	25
Lighted Arrow, Type C, Furn & Oper	Ea	1
Sign, Portable, Changeable Message, Furn & Oper	Ea	2
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	125
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	8
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	6
HMA Surface, Rem	Syd	2903
HMA Patch, Rem	Syd	60
Cold-Milling HMA Surface	Syd	1620
DS_HMA Surface, Around Structure Cover, Rem	Ea	5
DS_Cold Milling for Concrete Curb and Gutter Reveal	Syd	156
DS_Concrete Pavt, Any Thickness, Rem, Pavt Repar	Syd	510
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	890
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	425
DS_Sanitary Structure, Reconstruct	Ft	2
DS_Sanitary Structure, Point	Ea	2
DS_Storm Structure, Reconstruct	Ft	2
DS_Storm Structure, Point	Ea	2
DS_Flowable Fill	Cyd	1
Hand Patching	Ton	240
HMA, 4EL	Ton	240
HMA, 5EML	Ton	610
Conc, Curb or Curb & Gutter, All Types	Ft	430
Conc, Driveway Opening, Type M	Ft	460
Conc, Sidewalk or Ramp, 6 inch	Sft	90
Conc, Sidewalk, Drive Approach, or Ramp, 8 In.	Sft	335
DS_MDOT Detail 7&8	Lft	3050
Detectable Warning Surface	Ft	10
Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym	Ea	3
Pavt Mrkg, Ovly Cold Plastic, Bike Thru Arrow Sym	Ea	3
Pavt Mrkg, Polymer Cement Surface, Bike, Large Sym	Ea	2
Pavt Mrkg, Polymer Cement Surface, Bike Lane Green	Sft	730
DS_Pavt Mrkg, Polymer Cement Surface, Tan	Sft	714
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	600
Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	100
Pavt Mrkg, Sprayable Thermopl, 4 In., White	Ft	3085
Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow	Ft	2394
Pavt Mrkg, Thermopl, 4 In., For On?Street Parking, White	Ft	36
Pavt Mrkg, Thermopl, Lt Turn Arrow Sym	Ea	1
DS_Bikeway Delineator Post Black	Ea	24
DS_Bikeway Delineator Post Yellow	Ea	11
Turf Restoration	Syd	220

![](_page_34_Figure_4.jpeg)

- CONTROL (SESC) MEASURES.

- COMPACTION EFFORT.

- APPROVAL FROM THE ENGINEER.
- THE ENGINEER.
- REQUIRED.
- INSTALLATION AS REQUIRED OR AS DIRECTED BY THE ENGINEER.
- NECESSARY CLEAN UP, AND FINAL RESTORATION.
- DEVICES.

### 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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### **CONSTRUCTION SCOPE AND SEQUENCING (REHAB)**

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. THIS WORK SHALL NEED TO BE COORDINATED IN CONJUNCTION WITH THE WATER MAIN REPLACEMENT PROJECT AT THE SOUTH END OF FIFTH FROM E. JEFFERSON TO PACKARD. RESURFACING CONTRACTOR WILL IMPLEMENT ALL TRAFFIC DEVICES FOR THE WATERMAIN PROJECT AND MAINTAIN THEM UNTIL THE END OF THE RESURFACING PROJECTS WORK AT THIS SITE.

1. UPON NOTIFICATION FOR THE START OF THE WATERMAIN WORK, CONTRACTOR WILL INSTALL NO PARKING SIGNS (AS REQUIRED), ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION

2. UPON NOTIFICATION OF WATERMAIN WORK COMPLETION THE CONTRACTOR WILL IMMEDIATELY START THE RESURFACING WORK AS DIRECTED BY THE ENGINEER.

3. FROM PACKARD TO MADDISON 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. REMOVE THE EXISTING HMA SURFACE WILLIAM TO PACKARD 2 INCH THICKNESS, PACKARD TO MADISON TO A MAXIMUM DEPTH OF 4 INCHES BY COLD MILLING. NO MILLING THROUGH THE INTERSECTION OF PACKARD.

5. REVIEW THE EXPOSED CONCRETE BASE FROM WILLIAMS TO MADISON AND SAWCUT FAILED BASE SECTIONS, FULL DEPTH BACK TO NEAREST JOINT OR AS DIRECTED BY THE ENGINEER.

6. SAWCUT CURB AND GUTTER SECTIONS IDENTIFIED FOR REPLACEMENT BY THE ENGINEER.

7. USING A RUBBER TIRED EXCAVATOR WITH A FROST HOOK REMOVE DETERIORATED CONCRETE ALONG JOINT. AFTER SCALING ALL THE DETERIORATED JOINTS CLEAN THOROUGHLY WITH VACTOR TRUCK AND 50 CFS COMPRESSED AIR. APPLY TACK COAT ALONG JOINTS AND HAND PATCH JOINTS IN LIFTS PROVIDING

8. REMOVED FAILED BASE PANELS, SEQUENCED SUCH THAT ACCESS AS MAINTAIN LOCAL RESIDENTS, HAND PATCH WITH HMA, LIFTS NOT EXCEEDING 2 INCHES, ACHIEVING DENSITY ON EACH LIFT.

9. GRADE, SHAPE AND COMPACT AGGREGATE BASE OVER NEW WATERMAIN SUCH THAT THERE IS SUFFICIENT DEPTH FOR 6 INCHES OF HMA TO FINISHED ELEVATION.

10. REMOVAL AND REPLACE CURB AND GUTTER, RAMPS AND OTHER CONCRETE ITEMS.

11. PLACE 2.0 INCH HOT MIX ASPHALT (HMA) BASE ALONG WATER MAIN TRENCH, USING 4EL HMA MIXTURE BETWEEN JEFFERSON AND PACKARD, UPON APPROVAL FROM THE ENGINEER.

12. CLEAN PAVEMENT AND PLACE TACK COAT, PLACE 2.0 INCH HMA LEVELING ALONG WATER MAIN TRENCH, USING 4EL HMA MIXTURE BETWEEN JEFFERSON AND PACKARD, AND BETWEEN PACKARD TO MADISON, UPON

13. CLEAN PAVEMENT AND PLACE TACK COAT, PLACE 2.5 INCH HMA TOP COARSE, FROM WILLIAMS TO PACKARD, AND PLACE 2.0 INCH ALONG PACKARD TO MADISON, USING 5EML HMA MIX, UPON APPROVAL FROM

14. CLEAN PAVEMENT AND PLACE SIDE STREET HMA TOP COURSE AS REQUIRED.

15. 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. -- (WILL NOT NEED IF WE DO NOT LOWER)

16. CLEAN PAVEMENT AND PLACE HMA WEDGING FOR DRIVEWAYS BETWEEN PACKARD TO MADISON, AS

17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS, CITY POST, AND PERMANENT SIGN

18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER

19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL

![](_page_34_Figure_51.jpeg)

![](_page_35_Figure_0.jpeg)

	DTESE NSVERSE LANE SPACING, LISTED FROM WEST TO EAST: 7 T PARKING 3 FT DOOR BUFFER 5 FT SOUTHBOUND BIKE LANE 1 FT BUFFER 10 FT SOUTHBOUND BIKE LANE 2 FT BUFFER 5 FT NORTHBOUND BIKE LANE						
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LAN: 1" = 20'	STREET RESURFACING 2025	PUBLIC SERVICES					
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![](_page_37_Figure_3.jpeg)

![](_page_38_Figure_4.jpeg)

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CITY OF ANN ARBOR - I		SCALE DI AN. 1" - 20'			DRAWING NO.	2025-004-39

### NOTES:

TRANSVERSE LANE SPACING, LISTED FROM WEST TO EAST: 1. 7 FT SOUTHBOUND BIKE LANE 2. 1 FT BUFFER 3. 10 FT SOUTHBOUND VEHICLE LANE 4. 10 FT SOUTHBOUND VEHICLE LANE

- 5. 1 FT BUFFER
- 6. 7 FT NORTHBOUND BIKE LANE

![](_page_39_Picture_0.jpeg)

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Item Description	Unit	Estimate Qty
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	54
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16
Lighted Arrow, Type C, Furn & Oper	Ea	1
Sign, Portable, Changeable Message, Furn & Oper	Ea	2
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	65
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	4
HMA, Any Thickness, Rem	Syd	520
DS_Cold Milling, Plunge Cut	Syd	30
Water Gate Valve Box, Adjust	Ea	
Hand Patching	Ton	7
DS_Shared use Path, Aggregate	Ton	150
DS_Shared use Path, HMA	Ton	80
DS_Shared use Path, Grading, Modified	Syd	520
Conc, Sidewalk, 4 in	Sft	883
Turf Restoration	Syd	375

# **JF ANN ARBOR** NGINEERING **SENHOWER PATH** No. 25-02, FILE No. 2025-004

E EISENHOWER PKWY m Z COMMONS NORTH DR LOGAN K STON

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 ACTIVATES 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 WORKDAY.

- CONTROL (SESC) MEASURES.

- ENGINEER.

- NECESSARY CLEAN UP.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### **CONSTRUCTION SCOPE AND SEQUENCING ASPHALT PATH EISENHOWER PKWY**

1. IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION

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. HMA HAND PATCH BACK THE AREAS IDENTIFIED BY THE PLANS OR AS DIRECTED BY THE ENGINEER.

4. COMPLETE NECESSARY HMA SURFACE PAVEMENT 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

5. PLACE 3.0 INCH HMA AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ISOLATED AREAS

6. UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE 3.0 INCH HMA PAVEMENT OVERTOP OF EXISTING HMA AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

7. UPON APPROVAL FROM THE ENGINEER PERFORM SAW CUTS FOR CONCRETE REMOVAL. COMPLETE NECESSARY CONCRETE SIDEWALK/PAVEMENT REMOVAL AND EARTHWORK/N GRADING AS REQUIRED TO ACHIEVE GRADE AND WIDTH AS DIRECTED BY THE ENGINEER FOR ITS ENTIRE LENGTH. PLACE CONCRETE CURB AND GUTTER, CURB OPENINGS, 4.0 INCH CONCRETE SIDEWALK AND 6.0 INCH SIDEWALK RAMPS.

8. COMPLETE ALL SLOPE RESTORATION WORK.

9. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER

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

![](_page_39_Figure_35.jpeg)

![](_page_40_Picture_0.jpeg)

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		RFP

Item Description	Unit	Estimate Qty
Erosion Control, Inlet Protection, Fabric Drop	Ea	
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	8
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12
Lighted Arrow, Type C, Furn & Oper	Ea	2
Sign, Portable, Changeable Message, Furn & Oper	Ea	2
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	20
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	110
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	6
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	S
HMA, Any Thickness, Rem	Syd	420
DS_Cold Milling, Plunge Cut	Syd	40
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	90
Hand Patching	Ton	17
DS_Shared use Path, Aggregate	Ton	60
DS_Shared use Path, HMA	Ton	60
DS_Shared use Path, Grading, Modified	Syd	600
Conc, Sidewalk, 4 in	Sft	2483

# **JF ANN ARBOR** NGINEERING TATE ST PATH No. 25-02, FILE No. 2025-004

![](_page_40_Figure_5.jpeg)

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 ACTIVATES 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 WORKDAY.

- CONTROL (SESC) MEASURES.

- ENGINEER.

- NECESSARY CLEAN UP.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### **CONSTRUCTION SCOPE AND SEQUENCING ASPHALT PATH STATE ST**

1. IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION

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. HMA HAND PATCH BACK THE AREAS IDENTIFIED BY THE PLANS OR AS DIRECTED BY THE ENGINEER.

4. COMPLETE NECESSARY HMA SURFACE PAVEMENT 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

5. PLACE 3.0 INCH HMA AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ISOLATED AREAS

6. UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE 3.0 INCH HMA PAVEMENT OVERTOP OF EXISTING HMA AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

7. UPON APPROVAL FROM THE ENGINEER PERFORM SAW CUTS FOR CONCRETE REMOVAL. COMPLETE NECESSARY CONCRETE SIDEWALK/PAVEMENT REMOVAL AND EARTHWORK/N GRADING AS REQUIRED TO ACHIEVE GRADE AND WIDTH AS DIRECTED BY THE ENGINEER FOR ITS ENTIRE LENGTH. PLACE CONCRETE CURB AND GUTTER, CURB OPENINGS, 4.0 INCH CONCRETE SIDEWALK AND 6.0 INCH SIDEWALK RAMPS.

8. COMPLETE ALL SLOPE RESTORATION WORK.

9. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER

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

11. OPEN SIDEWALK TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

![](_page_40_Figure_35.jpeg)

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![](_page_41_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING **ARELLA BLVD TRAFFIC CALMING** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	46
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12
Temporary "No Parking" Sign	Ea	14
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	35
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	4
HMA, Any Thickness, Rem	Syd	133
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	50
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	120
DS_Grading, Sidewalk, Ramp & Driveway Approach	Sft	53
Hand Patching	Ton	2
Conc, Curb or Curb & Gutter, All Types	Ft	70
Conc, Sidewalk, 4 in	Sft	75
Conc, Sidewalk or Ramp, 6 inch	Sft	50
DS_Speed Hump, Conc	Syd	80
Detectable Warning Surface	Ft	12
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	8
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	64
Recessing Pavt Mrkg, Transv	Sft	288
DS_Raised Device Delineator	Ea	4
Turf Restoration	Syd	20

![](_page_41_Figure_5.jpeg)

### **TRAFFIC CALMING**

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): (SESC) MEASURES FOR ALL PHASES.

- (SPEED MANAGEMENT FOR BURWOOD)
- ENGINEER.
- 4. COMPLETE RESTORATION AS REQUIRED.
- NECESSARY CLEAN UP.
- DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING

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

2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED INT THE PLANS OR AS 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 (SPEED MANAGEMENT FOR BURWOOD)

4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

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. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES, ASSUMING SAWCUT IN PRIOR PHASE.

3. INSTALL REMAINING HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE

5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

6. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER

7. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL

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![](_page_42_Picture_0.jpeg)

# CITY OF ANN ARBOR ENGINEERING **BURWOOD AVE SPEED MANAGMENT** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	91
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	20
Temporary "No Parking" Sign	Ea	20
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	50
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	5
HMA, Any Thickness, Rem	Syd	182
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	48
DS_Storm Structure Cover, Adjust	Ea	1
Conc, Curb or Curb & Gutter, All Types	Ft	48
DS_Speed Hump, Conc	Syd	182
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	20
Recessing Pavt Mrkg, Transv	Sft	720
DS_Raised Device Delineator	Ea	10
Turf Restoration	Syd	12

![](_page_42_Figure_5.jpeg)

### SPEED MANAGMENT

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): (SESC) MEASURES FOR ALL PHASES.

- (SPEED MANAGEMENT FOR BURWOOD)
- ENGINEER.
- 4. COMPLETE RESTORATION AS REQUIRED.
- NECESSARY CLEAN UP.
- DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### **CONSTRUCTION SCOPE AND SEQUENCING**

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

2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED INT THE PLANS OR AS 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 (SPEED MANAGEMENT FOR BURWOOD)

4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER

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. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES, ASSUMING SAWCUT IN PRIOR PHASE.

3. INSTALL REMAINING HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE

5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

6. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER

7. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL

![](_page_42_Figure_40.jpeg)

![](_page_43_Picture_0.jpeg)

# **CITY OF ANN ARBOR** ENGINEERING **BIRD RD TRAFFIC CALMING** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	73
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12
Temporary "No Parking" Sign	Ea	20
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	60
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	5
HMA, Any Thickness, Rem	Syd	170
Hand Patching	Ton	5
DS_Speed Hump, Conc	Syd	170
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	20
Recessing Pavt Mrkg, Transv	Sft	720
DS_Raised Device Delineator	Ea	10

![](_page_43_Figure_4.jpeg)

### **TRAFFIC CALMING**

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) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED INT THE PLANS OR AS 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.

2. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES, ASSUMING SAWCUT IN PRIOR PHASE. (SPEED MANAGEMENT FOR BURWOOD)

3. INSTALL REMAINING HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

4. COMPLETE RESTORATION AS REQUIRED.

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

DEVICES.

8. 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### CONSTRUCTION SCOPE AND SEQUENCING

3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD)

4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

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.

5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

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![](_page_44_Picture_0.jpeg)

# CITY OF ANN ARBOR ENGINEERING HENRY ST TRAFFIC CALMING RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	55
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	8
Temporary "No Parking" Sign	Ea	16
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	45
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4
HMA, Any Thickness, Rem	Syd	170
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	96
Hand Patching	Ton	2
Conc, Curb or Curb & Gutter, All Types	Ft	96
DS_Speed Hump, Conc	Syd	170
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	16
Recessing Pavt Mrkg, Transv	Sft	576
DS_Raised Device Delineator	Ea	8
Turf Restoration	Syd	21

![](_page_44_Figure_3.jpeg)

### **TRAFFIC CALMING**

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): (SESC) MEASURES FOR ALL PHASES.

2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED INT THE PLANS OR AS 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.

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. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES, ASSUMING SAWCUT IN PRIOR PHASE. (SPEED MANAGEMENT FOR BURWOOD)

3. INSTALL REMAINING HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

4. COMPLETE RESTORATION AS REQUIRED.

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

DEVICES.

8. 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 CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### **CONSTRUCTION SCOPE AND SEQUENCING**

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

3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD)

4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

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![](_page_45_Picture_0.jpeg)

# CITY OF ANN ARBOR ENGINEERING **MERSHON DR TRAFFIC CALMING** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	45
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12
Temporary "No Parking" Sign	Ea	14
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	35
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2
Hand Patching	Ton	1
DS_Speed Hump, Conc	Syd	80
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	8
Recessing Pavt Mrkg, Transv	Sft	288
DS_Raised Device Delineator	Ea	4

![](_page_45_Figure_5.jpeg)

### **TRAFFIC CALMING**

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): (SESC) MEASURES FOR ALL PHASES.

- (SPEED MANAGEMENT FOR BURWOOD)
- ENGINEER.
- 4. COMPLETE RESTORATION AS REQUIRED.
- NECESSARY CLEAN UP.
- DEVICES.

### 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 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

### **CONSTRUCTION SCOPE AND SEQUENCING**

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

2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED INT THE PLANS OR AS 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 (SPEED MANAGEMENT FOR BURWOOD)

4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

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. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES, ASSUMING SAWCUT IN PRIOR PHASE.

3. INSTALL REMAINING HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE

5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

6. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER

7. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL

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# CITY OF ANN ARBOR ENGINEERING **WORDEN AVE TRAFFIC CALMING** RFP No. 25-02, FILE No. 2025-004

Item Description	Unit	Estimate Qty
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	46
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12
Temporary "No Parking" Sign	Ea	14
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	35
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	2
HMA, Any Thickness, Rem	Syd	133
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	98
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	130
DS_Grading, Sidewalk, Ramp & Driveway Approach	Sft	53
Hand Patching	Ton	2
Conc, Curb or Curb & Gutter, All Types	Ft	70
Conc, Sidewalk, 4 in	Sft	75
Conc, Sidewalk or Ramp, 6 inch	Sft	50
DS_Speed Hump, Conc	Syd	80
Detectable Warning Surface	Ft	5
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	8
Recessing Pavt Mrkg, Transv	Sft	288
DS_Raised Device Delineator	Ea	4
Turf Restoration	Syd	20

![](_page_46_Figure_5.jpeg)

### **TRAFFIC CALMING**

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): (SESC) MEASURES FOR ALL PHASES.

- (SPEED MANAGEMENT FOR BURWOOD)
- ENGINEER.
- 4. COMPLETE RESTORATION AS REQUIRED.
- NECESSARY CLEAN UP.
- DEVICES.

### NOTES:

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### **CONSTRUCTION SCOPE AND SEQUENCING**

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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.

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7. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL

![](_page_46_Figure_40.jpeg)