



CITY OF ANN ARBOR ENGINEERING

2024 ANNUAL RESURFACING

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.



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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2024 ANNUAL RESURFACING

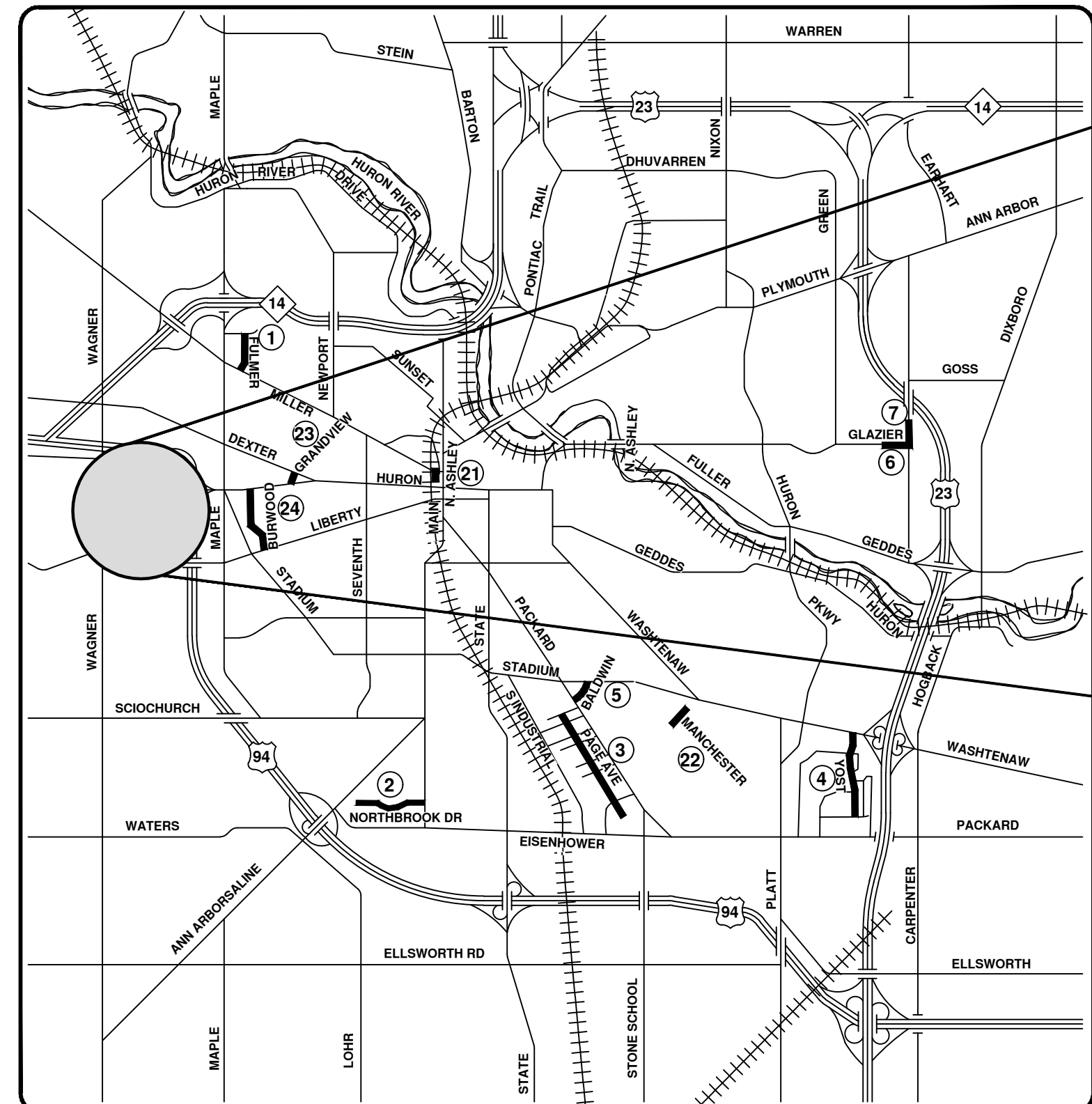
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DRAWING No.
2024004-1
SHEET No.
1 OF 30

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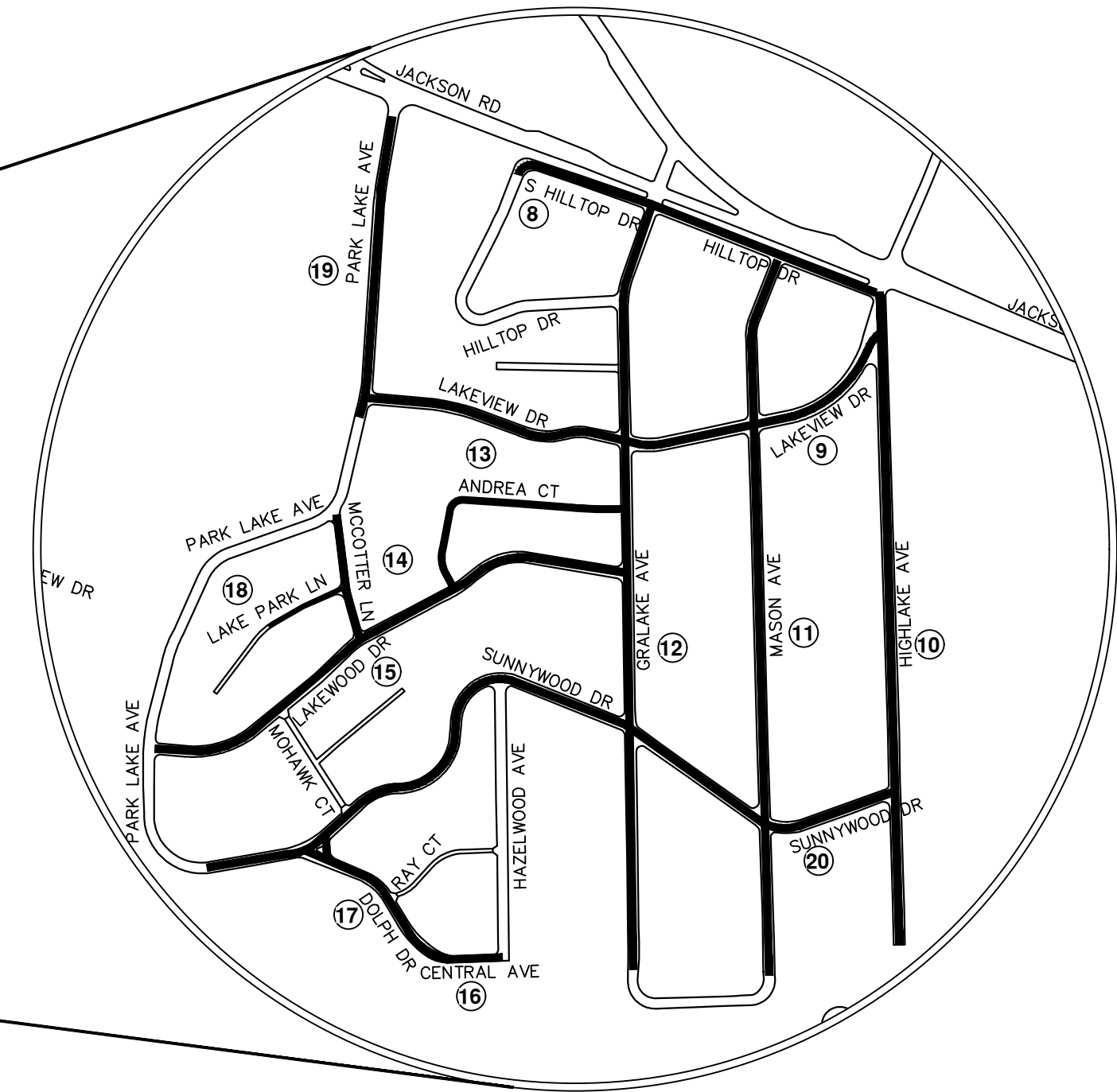
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RFP-24-04, FILE No. 2024004



VICINITY MAP



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CONSTRUCTION NOTES:

- 1. Driveways and entrances to buildings, real property, and the like shall not be blocked except for short durations and only when approved by the Engineer. Vehicular and pedestrian access shall be maintained at all times. It shall be the Contractor's responsibility to coordinate all necessary driveway closures with the property owner(s) and resident(s) in the areas of construction.
- 2. The location and depth of all existing utilities and service leads are to be field verified by the Contractor prior to construction.
- 3. 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.
- 5. 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.
- 7. 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.
- 9. "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, Ferroc 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.

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

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

CONTACT INFORMATION

PUBLIC UTILITIES	OWNER	CONTACT
WATER	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
SANITARY		
STORM		
FORESTRY		
SIGNS SIGNALS STREET LIGHTS		MARK MORENO (734) 794-6361
FIBER OPTIC	CITY OF ANN ARBOR INFORMATION TECHNOLOGY LARCOM CITY HALL 301 E. HURON STREET ANN ARBOR, MI 48107	(734) 794-6550
PRIVATE UTILITIES	OWNER	CONTACT
GAS	DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198	ROBERT CZAPIIEWSKI (734) 544-7818
ELECTRIC	DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	ANTHONY IGNASIAK (734) 397-4447
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	RON SOUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	STEVEN ALLSHOUSE (734) 996-5381
FIBER OPTIC	MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082	DEAN BOYERS (972) 729-6016
FIBER OPTIC	WINDSTREAM 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532	GREG SERICH (810) 244-3500
STREET LIGHTING	DTE ENERGY 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	LANCE ALLEY (734) 397-4188



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2024 ANNUAL RESURFACING
2 - STANDARD NOTES

SCALE: NTS

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

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF

WATER TRUCKS AND/OR OTHER METHODS APPROVED BY THE ENGINEER.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
- THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
- TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

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

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

- 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.
- STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
- PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- COMPLETE ALL FINE GRADING.

- TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- CLEAN OUT STORM SEWER SYSTEMS.
- REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 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:

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

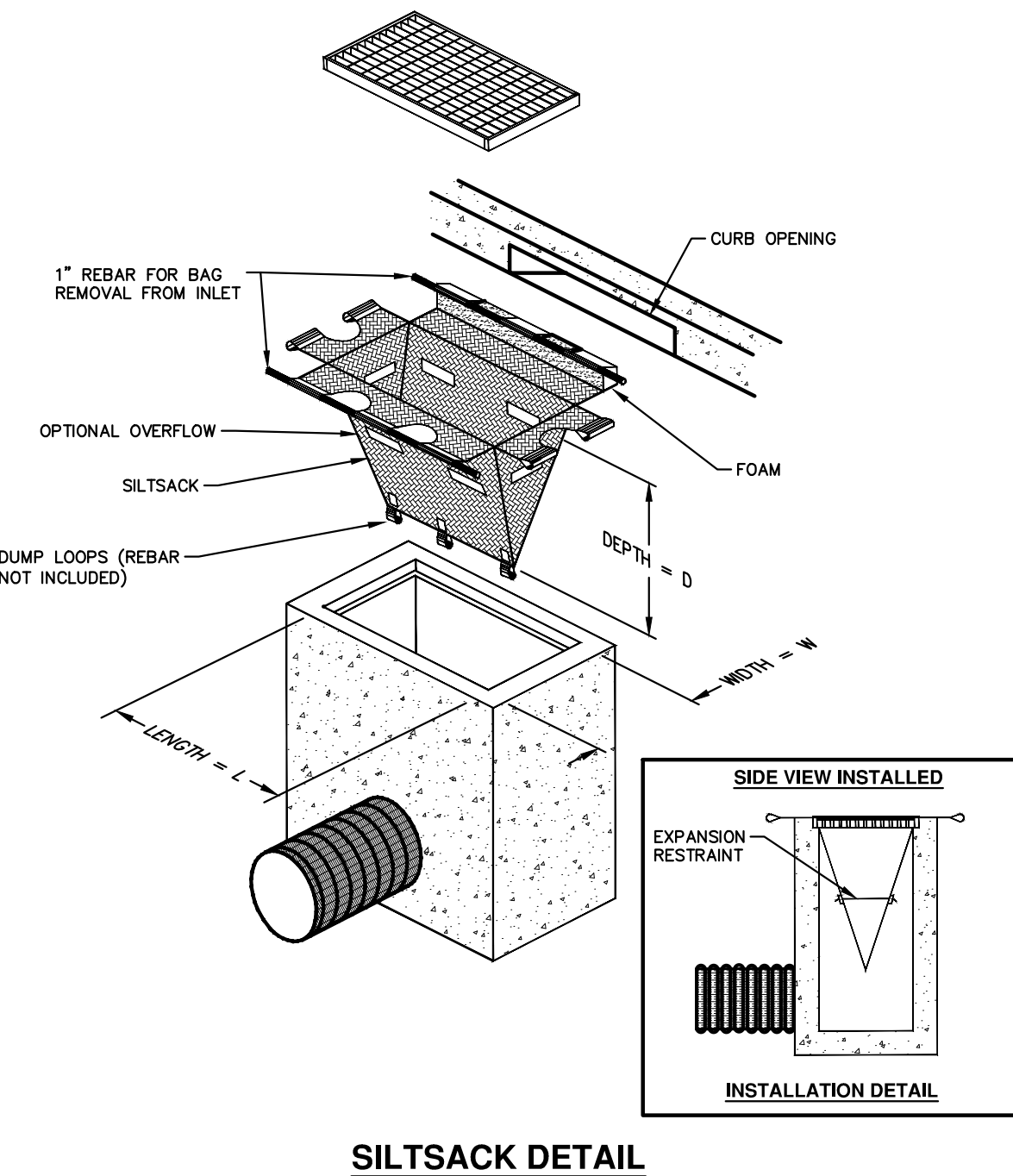
THE ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = \$18,000.

ESTIMATE OF EXCAVATION AND FILL FROM EXISTING TO FINAL GRADE:
 • EXCAVATION = 0 CY, FILL = 380 CY

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
- S1B - ST. CLAIR CLAY LOAM, 2% TO 6% SLOPES
- W6a - WAWASEE LAOM, 2% TO 6% SLOPES

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

REGULAR FLOW SILTSACK

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

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

HI-FLOW SILTSACK

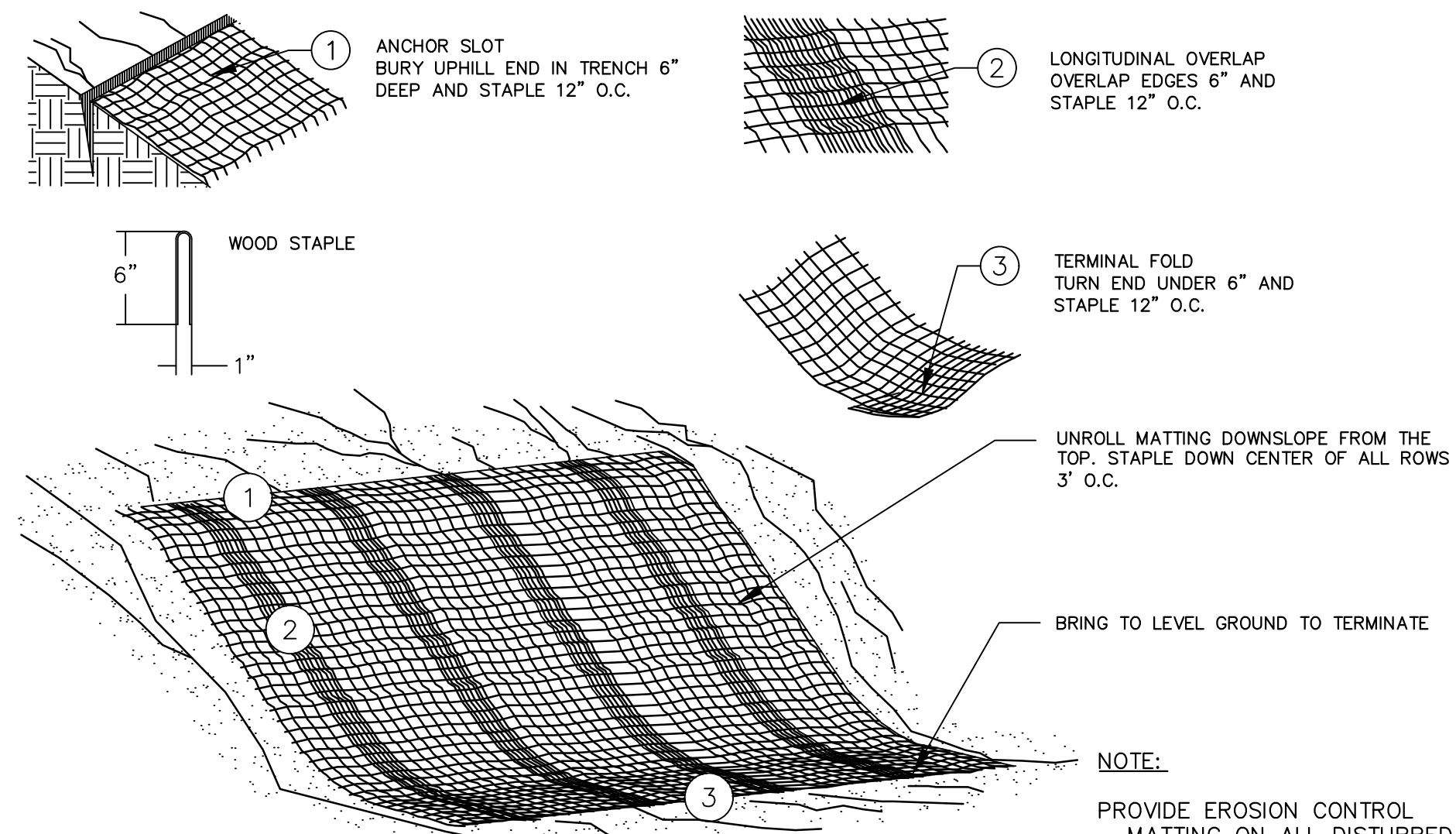
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

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

OIL-ABSORBANT SILTSACK

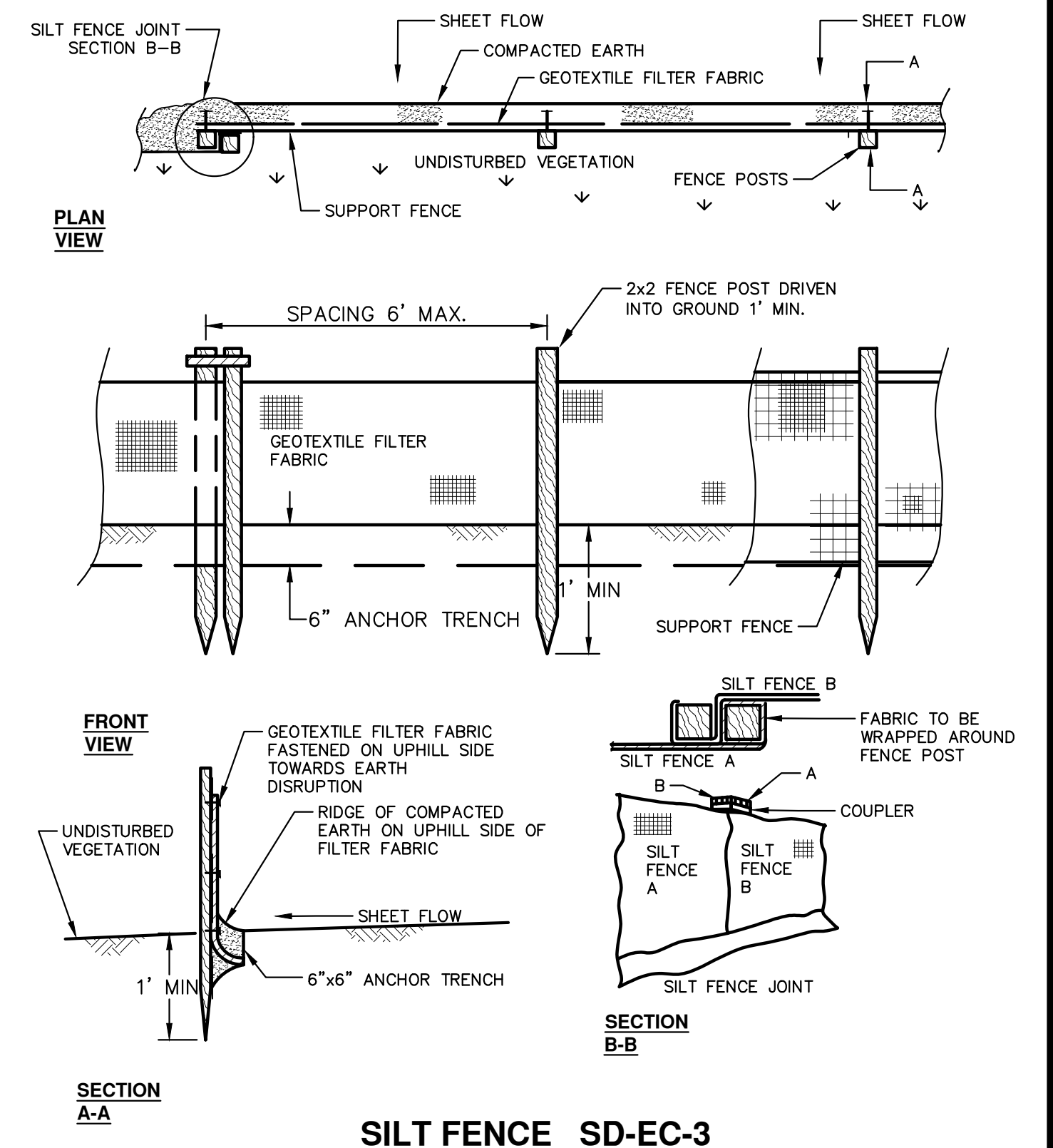
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

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



MULCH BLANKET DETAIL

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



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REV.	DESCRIPTION		

CITY OF ANN ARBOR PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48107-8647
 ANN ARBOR: 734-794-6410
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2024 ANNUAL RESURFACING

3 - SESC NOTES AND DETAILS

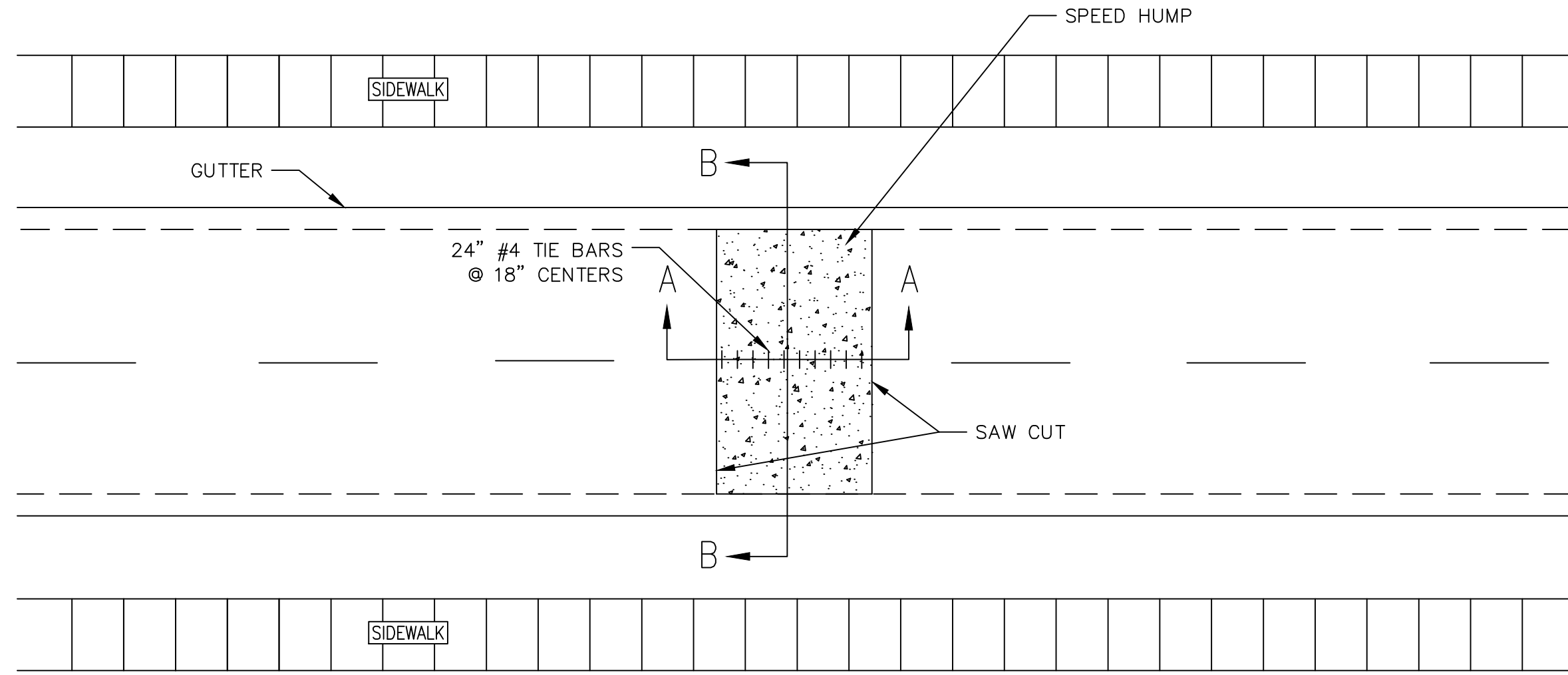
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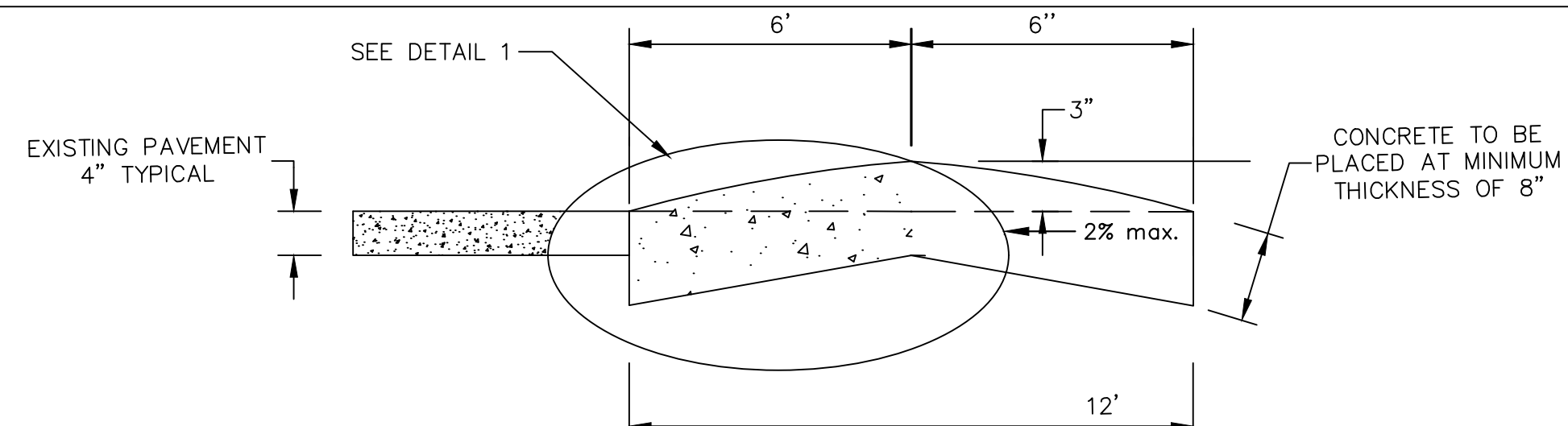
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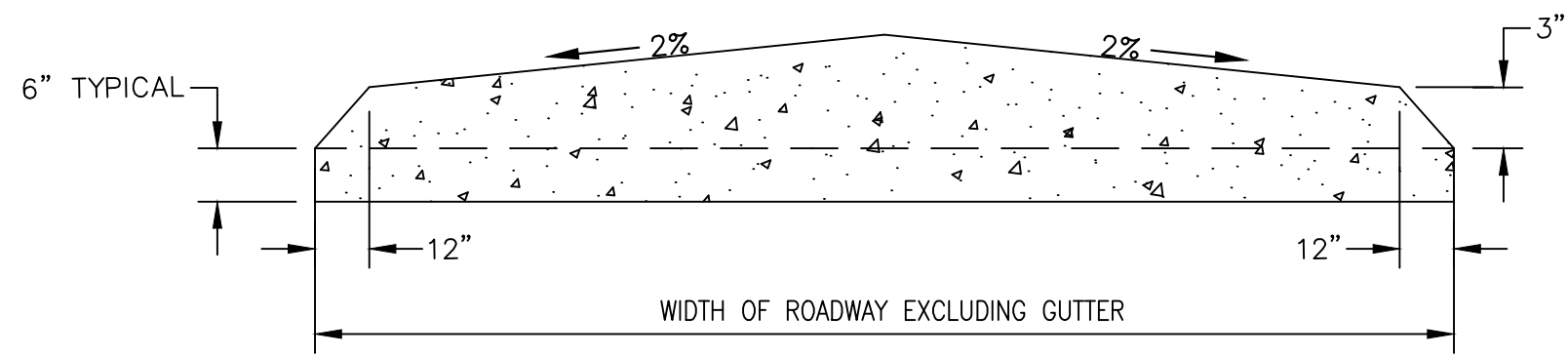
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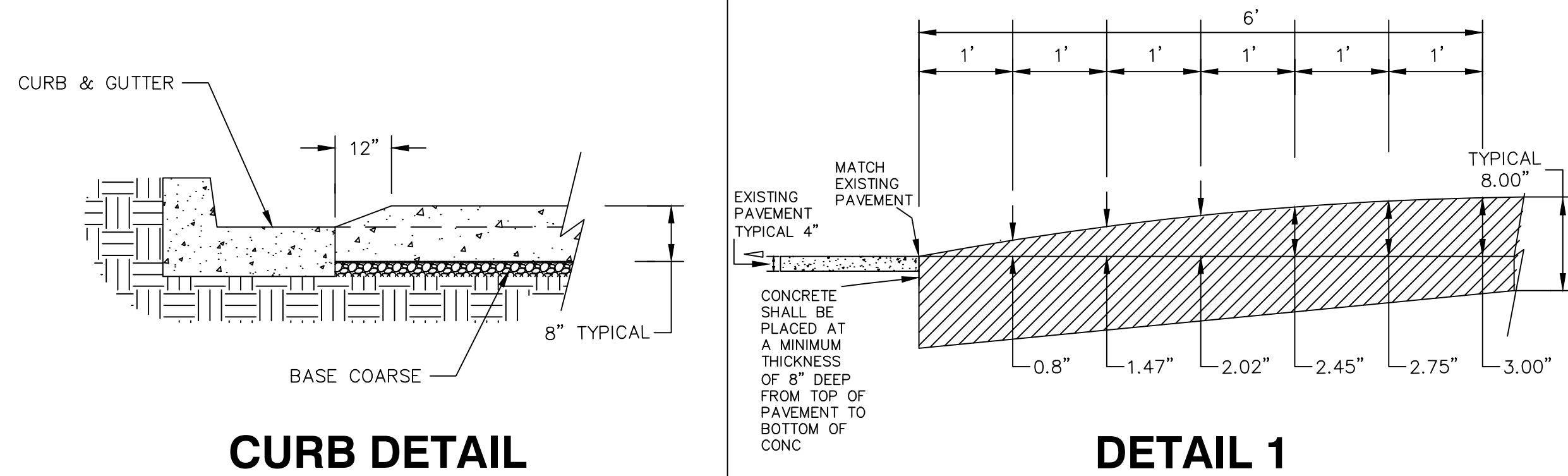
PLAN VIEW



SECTION AA



SECTION BB

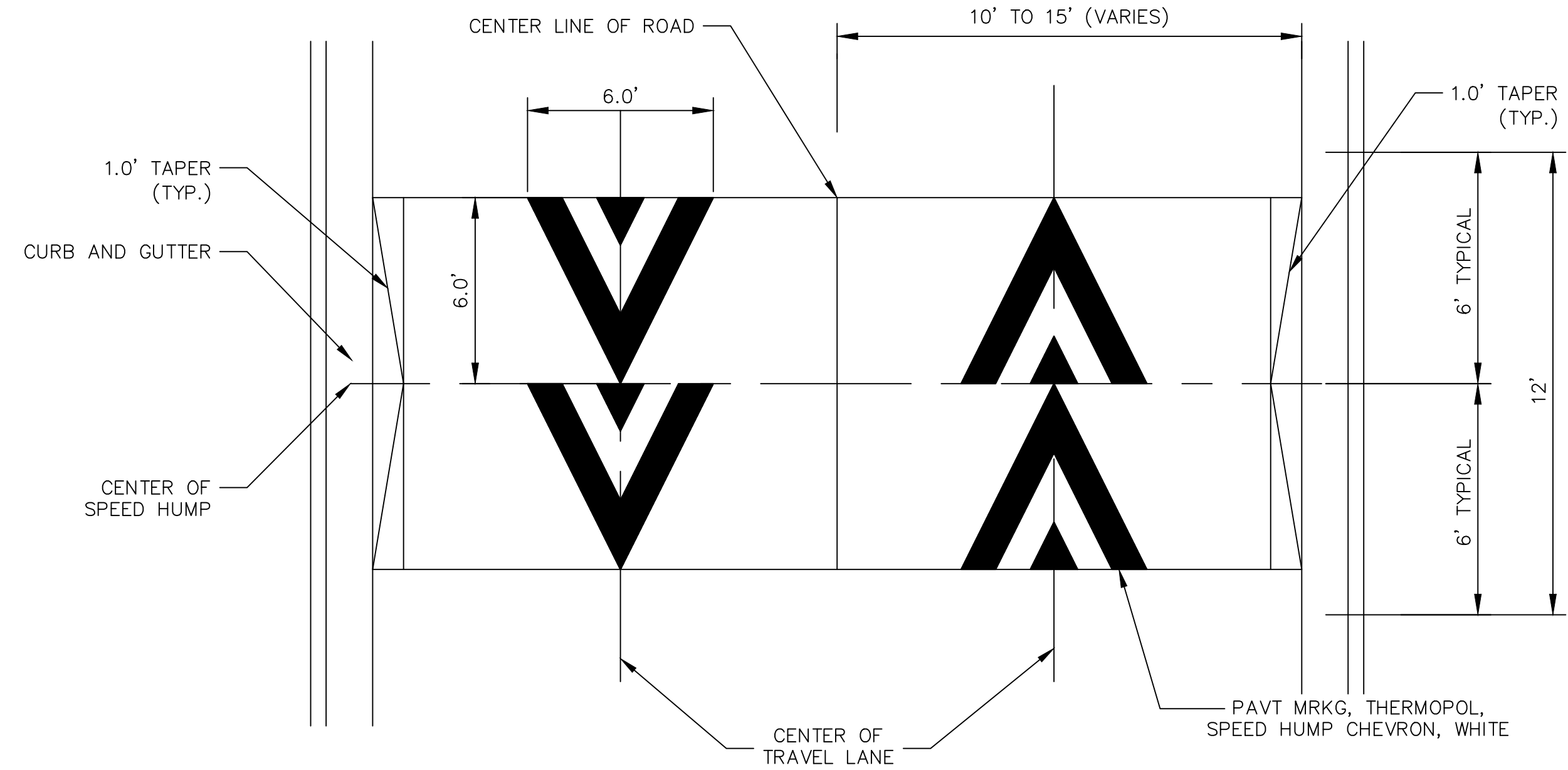


CURB DETAIL

DETAIL 1

CONCRETE SPEED HUMP DETAIL

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PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE



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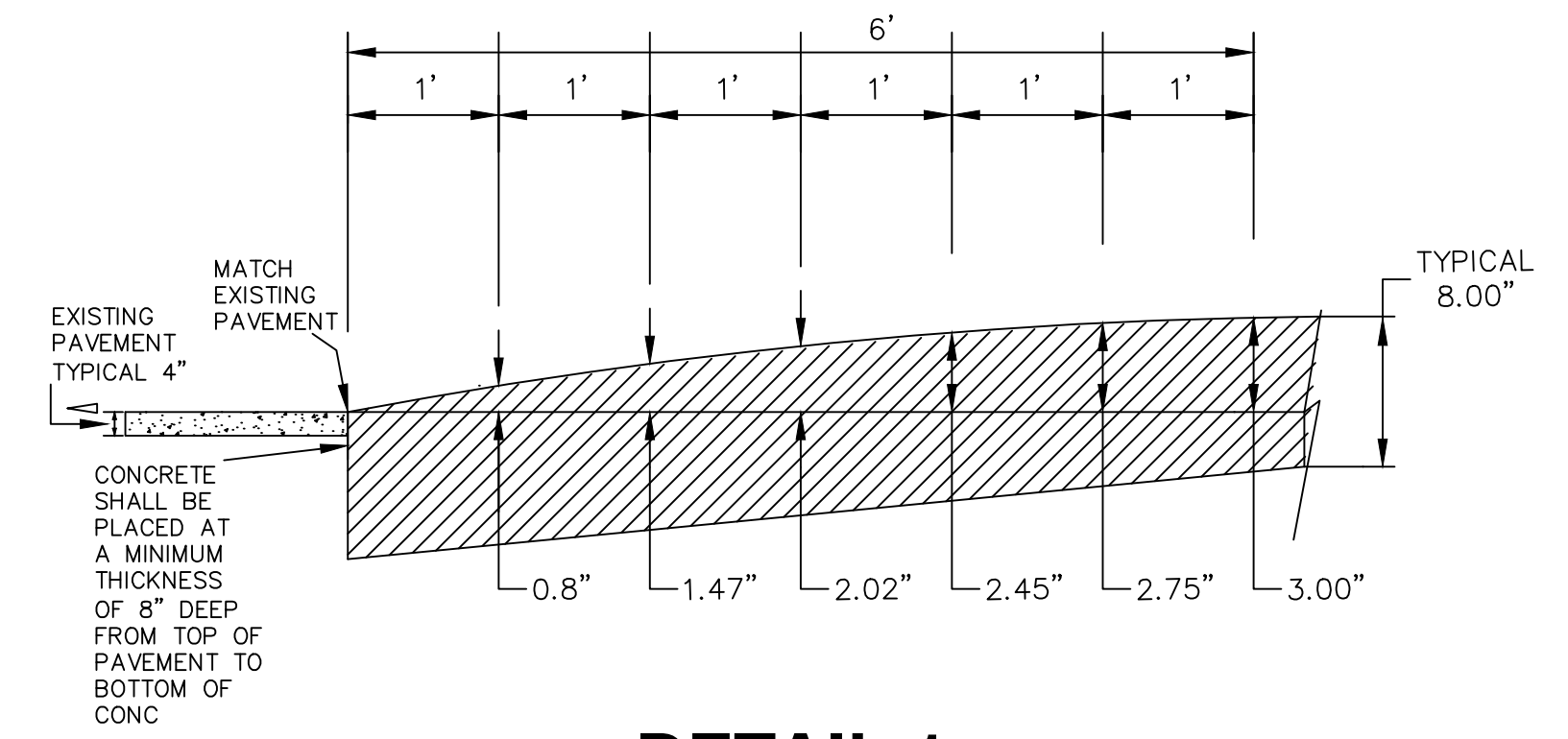
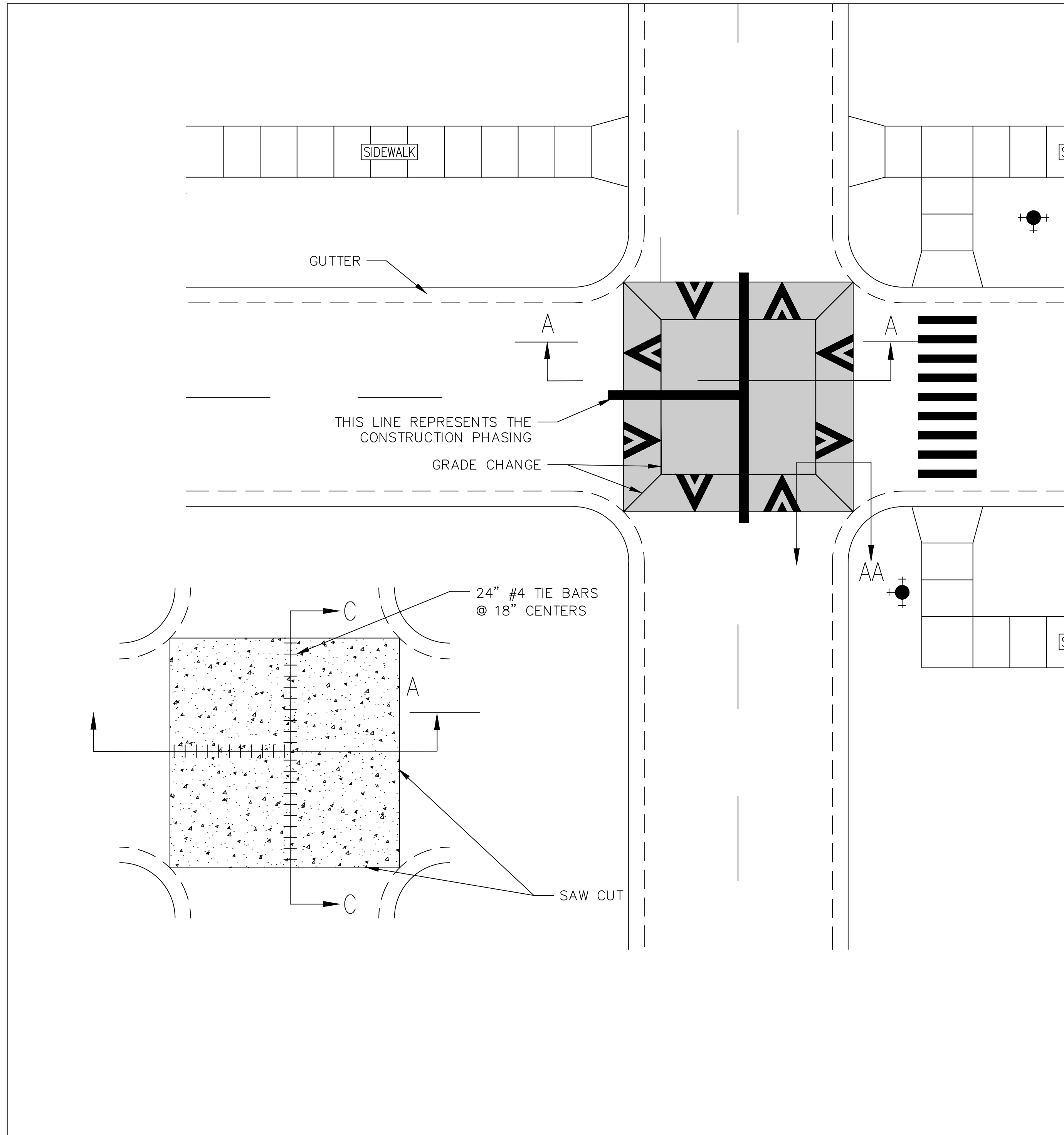
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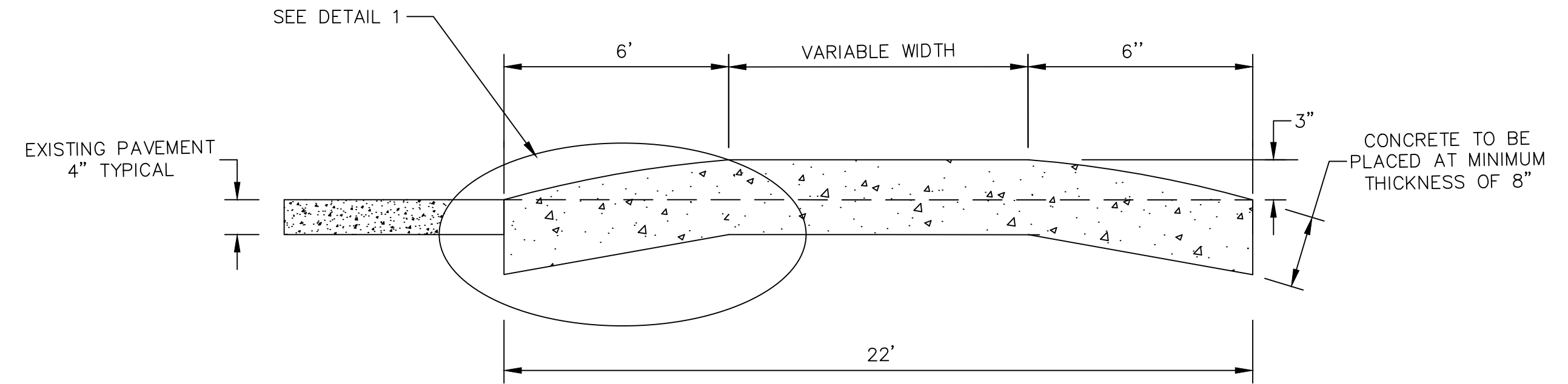
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2024 ANNUAL RESURFACING
CONCRETE SPEED HUMP DETAIL

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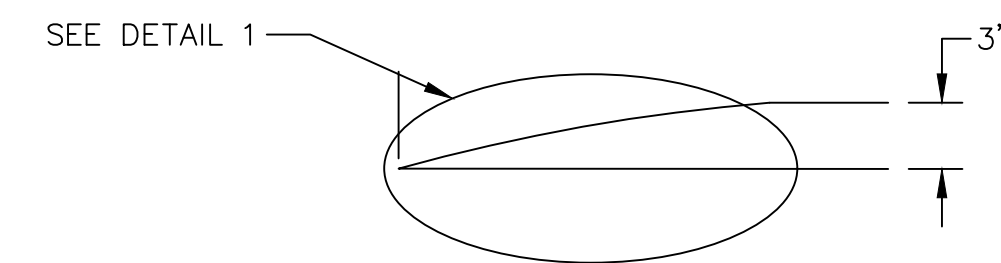
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DETAIL 1



SECTION A



SECTION AA

CONCRETE RAISED INTERSECTION DETAIL

SCALE: NOT TO SCALE



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
2024 ANNUAL RESURFACING
CONCRETE RAISED INTERSECTION

SCALE: NTS
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CITY OF ANN ARBOR ENGINEERING

LAKESWOOD - LOCAL TRAFFIC CONTROL

BID No. 24-04, FILE No. 2024004

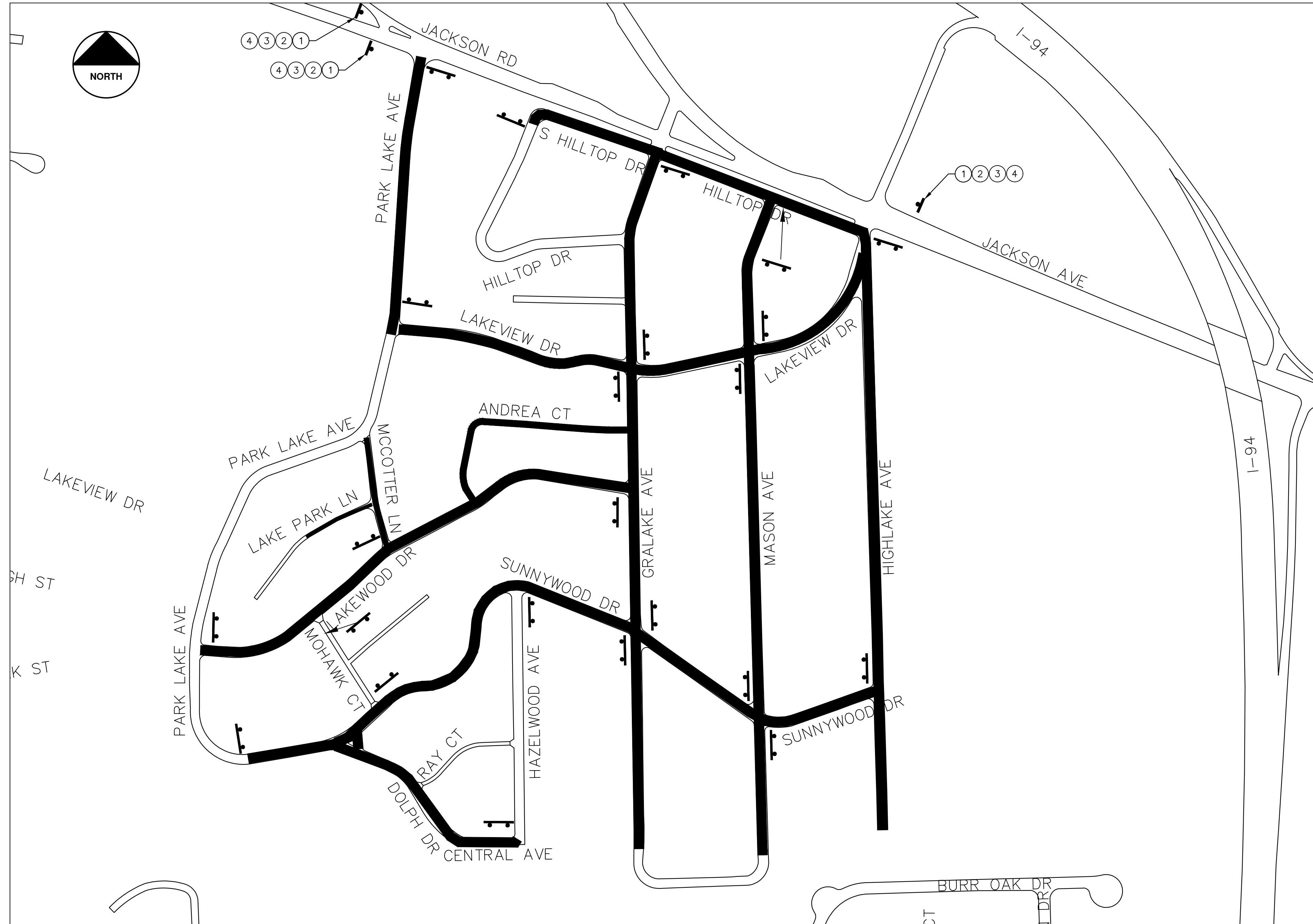
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TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		W20-1 36x36	03
②		D3-1	03
③		D3-1	03
④		D3-1	03
		TYPE III BARRICADE	23



LOCAL STREET TRAFFIC CONTROL

CONSTRUCTION NOTES:

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



NO	REV	DATE	DESCRIPTION
00	BID SET	1/25/24	
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
LAKESWOOD - LOCAL TRAFFIC CONTROL
DRAWING No. 2024004-6

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CITY OF ANN ARBOR ENGINEERING ANDREA CT.

RFP-24-04, FILE No. 2024004

NOTES:

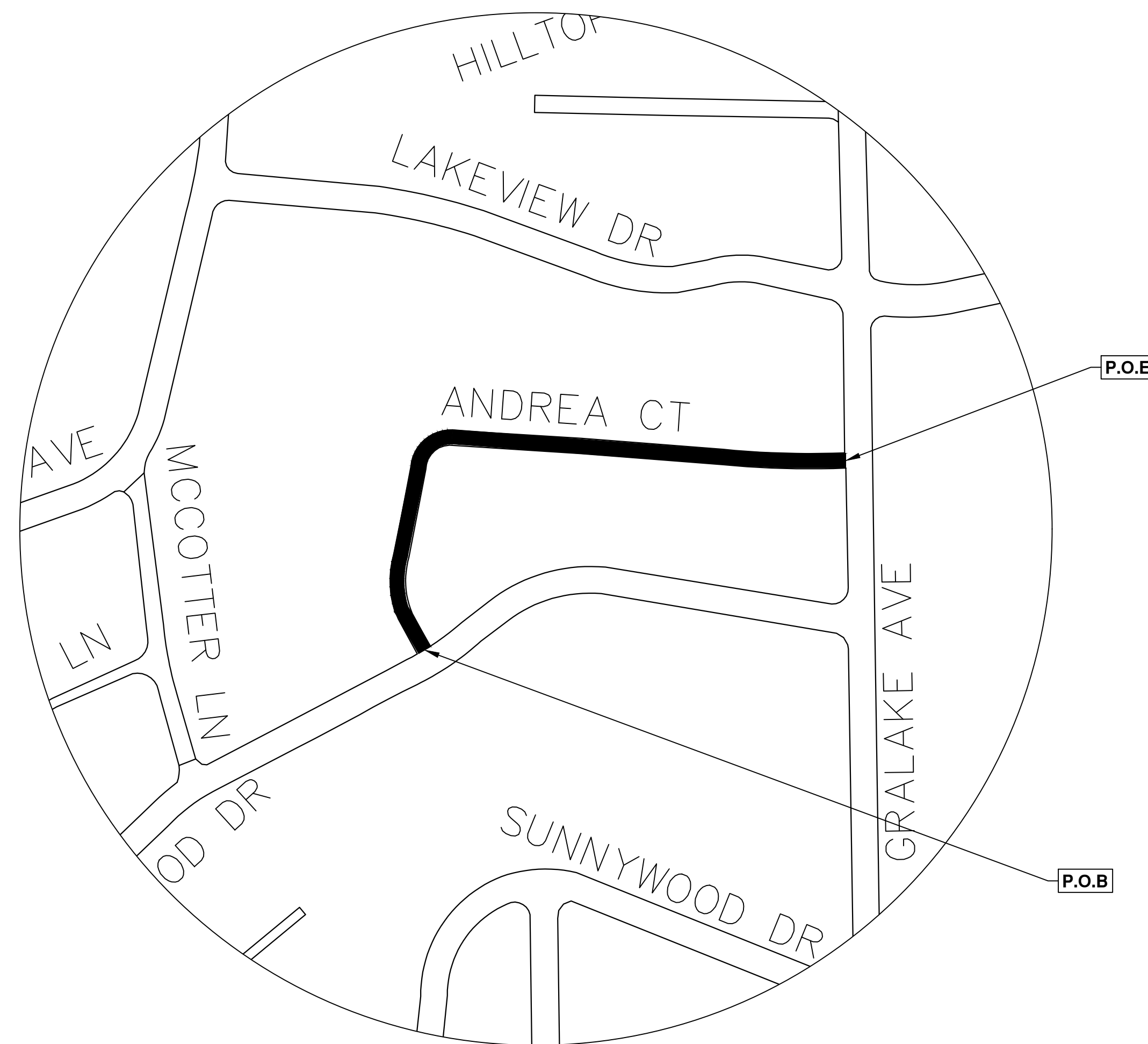
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QUANTITIES

Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	1.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	13.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	26.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2.00
HMA, Any Thickness, Rem	Syd	140.00
Cold-Milling HMA Surface	Syd	1292.00
Cold Milling, Plunge Cut	Syd	129.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	250.00
Grading Roadway	Syd	1292.00
Undercutting, Type IIA	Cyd	132.00
Exploratory Excavation, (0-10' Deep), SD-TD-1	Ea	2.00
Adjust Structure Cover	Ea	3.00
Structure Frame	Ea	2.00
Structure Covers	Ea	2.00
12 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	240.00
Storm Inlet-Junction, 48 In., Dia., (0-8'deep)	Ea	2.00
Storm Single Inlet, 24 In. ,Dia., (0-8'deep)	Ea	1.00
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	10.00
Storm Sewer Structure, Rem	Ea	1.00
Storm Structure Cover, Type K	Ea	3.00
Underdrain, Subgrade, 6 inch	Ft	100.00
Hand Patching	Ton	8.00
HMA, 5EL	Ton	250.00
HMA, Soil Erosion, Wedge	Ft	200.00
Driveway, Nonreinf Conc, 8 inch, Modified	Sft	250.00
Brick Pavers, Sidewalk, Rem and Reinstall	Sft	125.00



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ANDREA CT.
7 - SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING

BURWOOD AVE

RFP-24-04, FILE No. 2024004

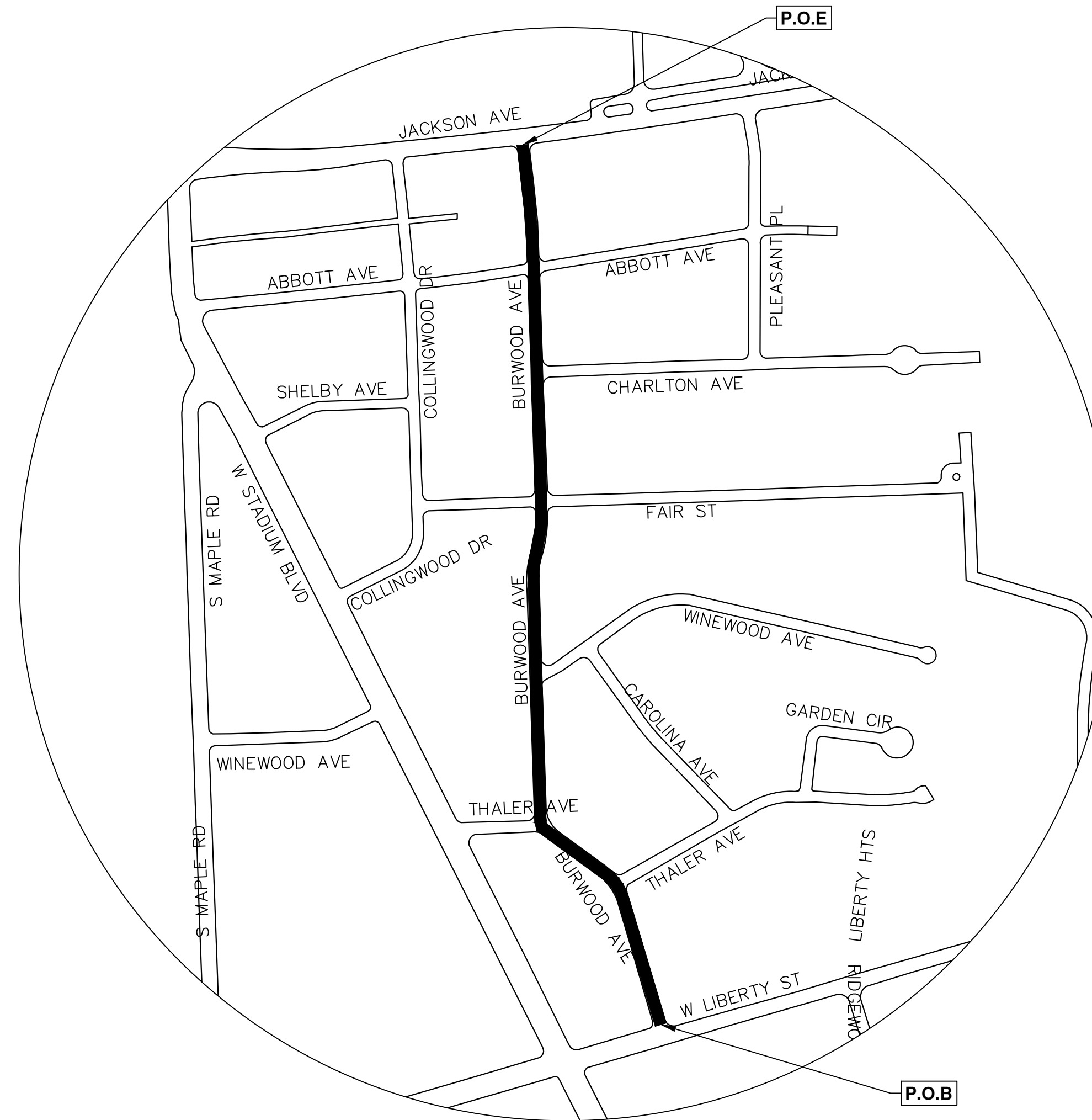
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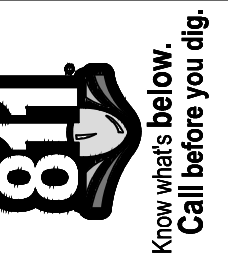
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	18.00
Temporary "No Parking" Sign	Ea	63.00
Lighted Arrow, Type C, Furn & Oper	Ea	1.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	30.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	94.00
Temporary Pedestrian Mat, Furn & Oper	Ft	150.00
HMA, Any Thickness, Rem	Syd	7591.00
HMA Patch, Rem	Syd	30.00
Cold Milling for Concrete Curb and Gutter Reveal	Syd	800.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	1530.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	1030.00
Undercutting, Type IIA	Cyd	700.00
Adjust Structure Cover	Ea	25.00
Structure Frame	Ea	19.00
Structure Covers	Ea	19.00
Adjust Monument Box or Gate Valve Box	Ea	9.00
12 In., PE Storm Sewer, SD-TD-2	Ft	65.00
Storm Single Inlet, 24 In. Dia., (0-8'deep)	Ea	13.00
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	65.00
Storm Sewer Structure, Rem	Ea	13.00
Storm Structure Cover, Type K	Ea	14.00
Dr Structure, Point	Ea	2.00
Hand Patching	Ton	114.00
HMA, 5EL	Ton	1550.00
HMA, Wedging	Ton	5.00
Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	11.00
Conc, Curb or Curb & Gutter, All Types	Ft	1042.00
Conc, Driveway Opening, Type M	Ft	488.00
Conc, Sidewalk, 4 in	Sft	652.00
Conc, Sidewalk or Ramp, 6 inch	Sft	343.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	171.00
Speed Hump, Conc	Syd	210.00
Detectable Warning Surface	Ft	30.00
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	20.00
Rem Curing Compound, for Spec Mrkg	Sft	720.00
Turf Restoration	Syd	510.00



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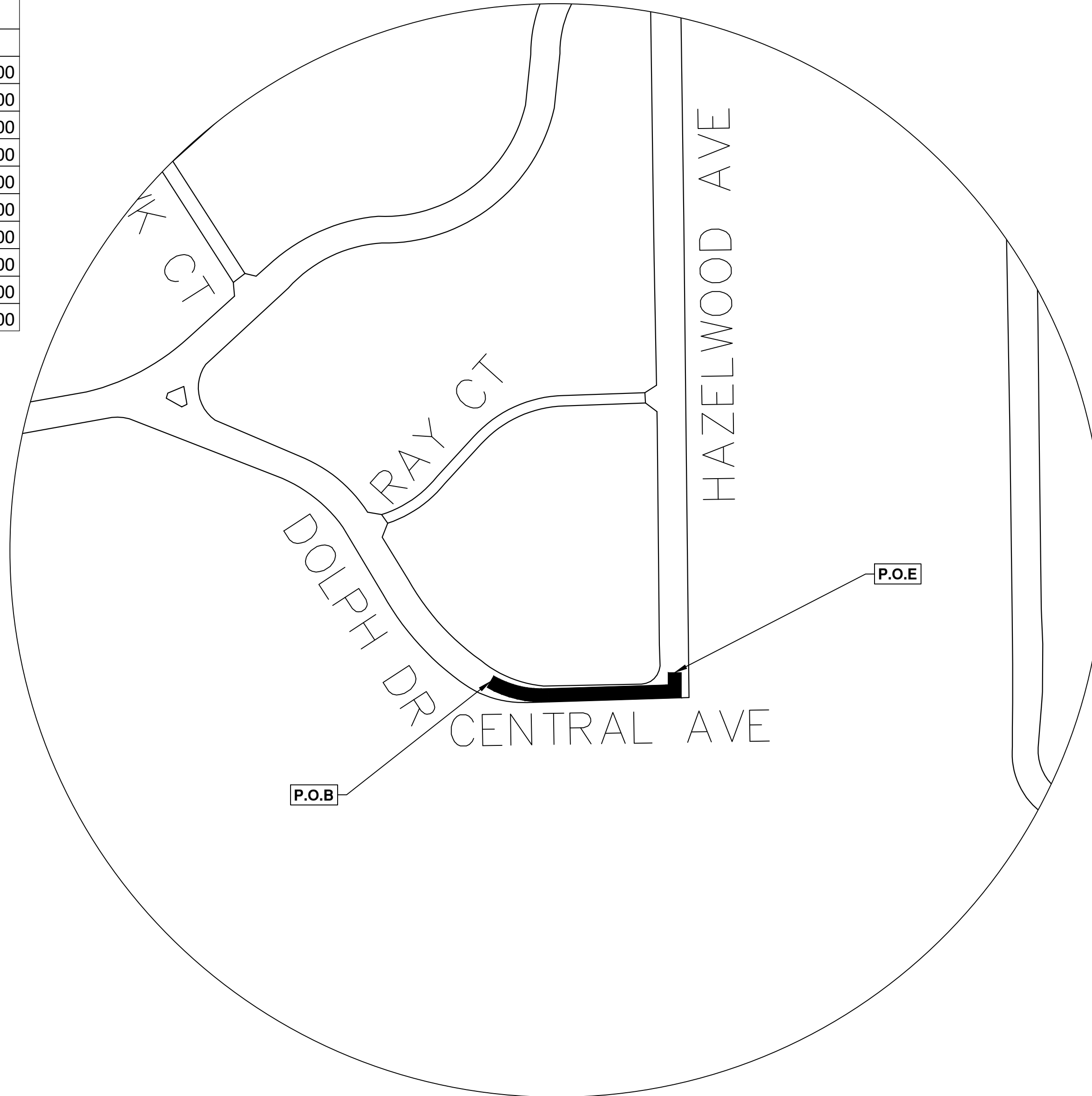
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE
DRAWING No. 2024004-8
BURWOOD AVE
8 - SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING CENTRAL AVE

RFP-24-04, FILE No. 2024004

QUANTITIES		
Item Description	Unit	
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	13.00
Temporary "No Parking" Sign	Ea	6.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	10.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	1.00
Cold-Milling HMA Surface	Syd	446.00
Grading Roadway	Syd	446.00
Undercutting, Type IIA	Cyd	45.00
Adjust Structure Cover	Ea	2.00
HMA, 5EL	Ton	100.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	80.00



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

CENTRAL AVE

9 - SUBSET COVER SHEET

SHEET No.

9 OF 30



CITY OF ANN ARBOR ENGINEERING

DOLPH DR

RFP-24-04, FILE No. 2024004

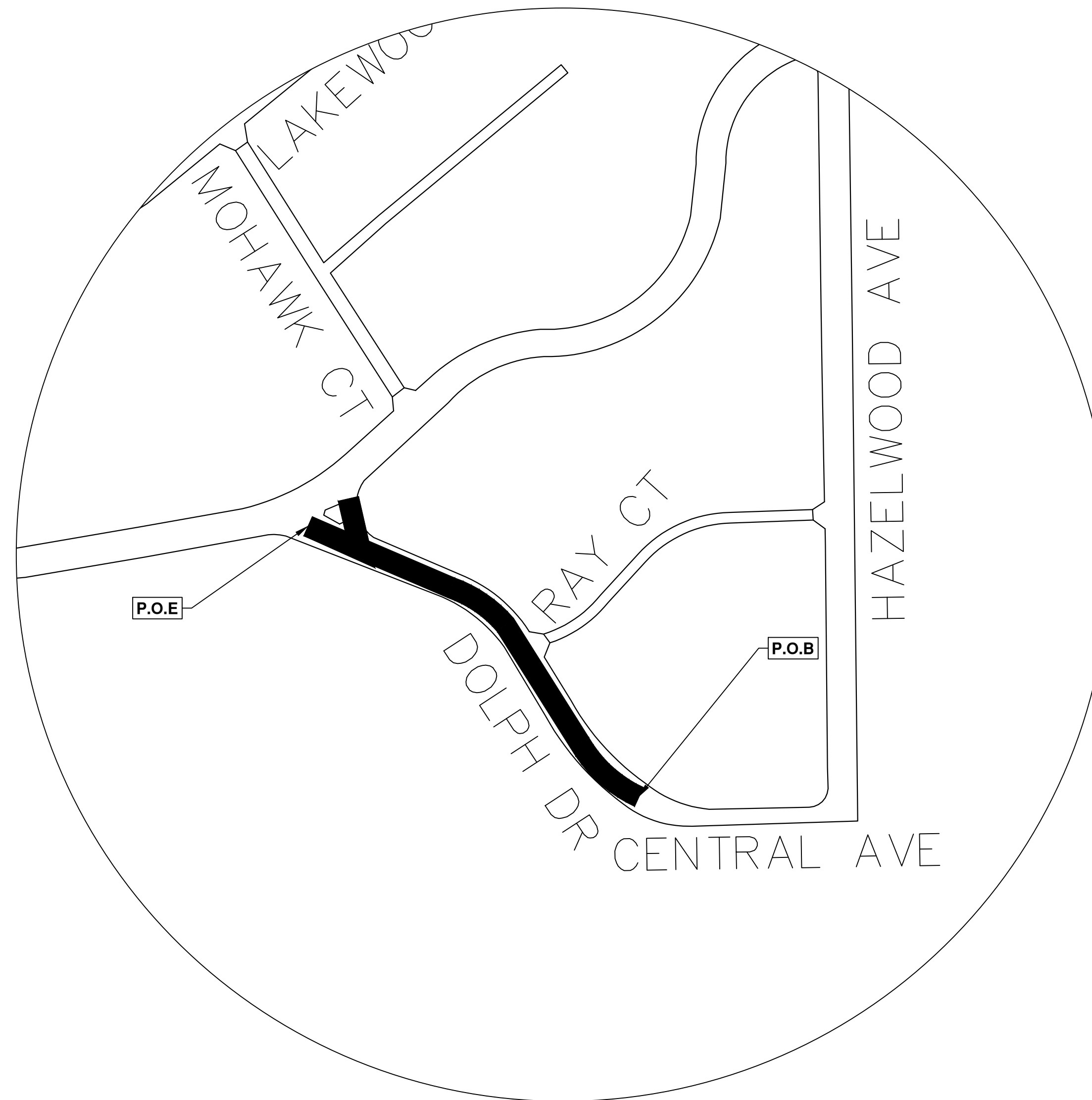
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	3.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	13.00
Temporary "No Parking" Sign	Ea	13.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	20.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	1.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	3.00
Cold-Milling HMA Surface	Syd	1330.00
Cold Milling for Concrete Curb and Gutter Reveal	Syd	670.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	244.00
Grading Roadway	Syd	1330.00
Undercutting, Type IIA	Cyd	130.00
Adjust Structure Cover	Ea	6.00
12 In., PE Storm Sewer, SD-TD-2	Ft	15.00
Storm Single Inlet, 24 In. Dia., (0-8' deep)	Ea	3.00
Storm High Capacity Intet, 48 In. Dia., (0-8' deep)	Ea	1.00
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	15.00
Storm Sewer Structure, Rem	Ea	3.00
Storm Structure Cover, Type K	Ea	3.00
Dr Structure, Point	Ea	2.00
HMA, 5EL	Ton	300.00
Conc, Curb or Curb & Gutter, All Types	Ft	210.00
Conc, Driveway Opening, Type M	Ft	34.00
Brick Pavers, Sidewalk, Rem and Reinstall	Sft	25.00
Turf Restoration	Syd	82.00



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
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DRAWING No. 2024004-10
DOLPH DR
10 - SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING

GRALAKE AVE.

BID No. 24-04, FILE No. 2024004

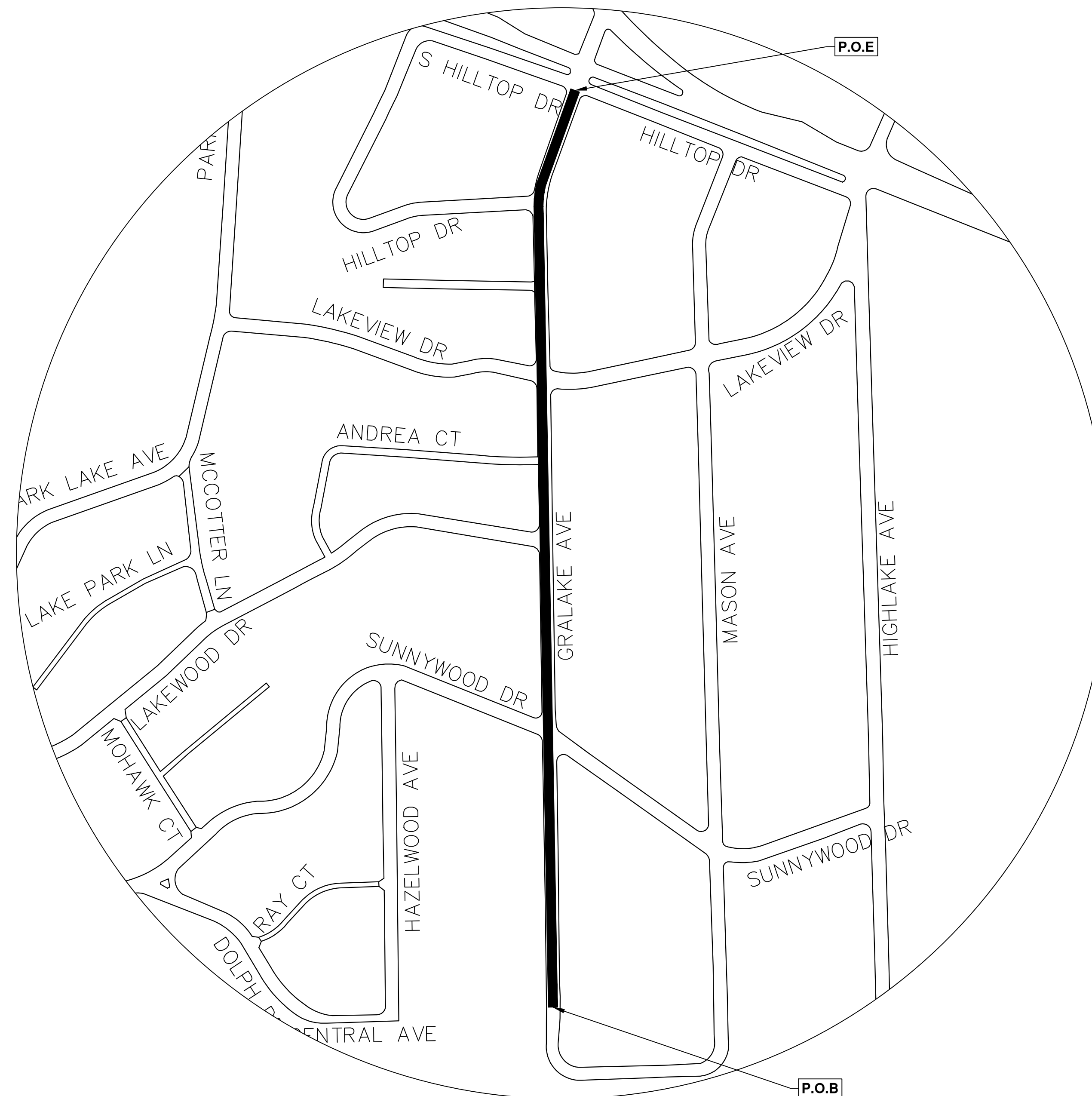
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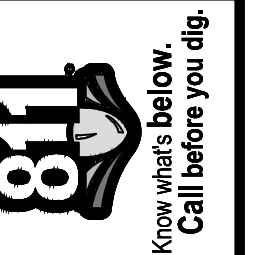
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	5.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	43.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	8.00
Temporary "No Parking" Sign	Ea	54.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	20.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	80.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	6.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	8.00
Temporary Pedestrian Mat, Furn & Oper	Ft	200.00
HMA, Any Thickness, Rem	Syd	225.00
HMA Patch, Rem	Syd	10.00
Cold-Milling HMA Surface	Syd	5850.00
Cold Milling, Plunge Cut	Syd	585.00
HMA Surface, Around Structure Cover, Rem	Ea	14.00
Cold Milling for Concrete Curb and Gutter Reveal	Syd	570.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	1036.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	632.00
Grading, Sidewalk, Ramp & Driveway Approach	Sft	1800.00
Structure Frame	Ea	2.00
Structure Covers	Ea	2.00
Adjust Monument Box or Gate Valve Box	Ea	3.00
Storm High Capacity Intet, 48 In. Dia., (0-8' deep)	Ea	1.00
Storm Structure Cover, Type K	Ea	1.00
Dr Structure, Point	Ea	4.00
Curb Box, Adjust	Ea	1.00
Flowable Fill	Cyd	15.00
Hand Patching	Ton	65.00
HMA, SEL	Ton	644.00
HMA, Wedging	Ton	2.00
Conc, Curb or Curb & Gutter, All Types	Ft	944.00
Conc, Driveway Opening, Type M	Ft	132.00
Conc, Sidewalk, 4 in	Sft	735.00
Conc, Sidewalk or Ramp, 6 inch	Sft	432.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	62.00
Detectable Warning Surface	Ft	40.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	750.00
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	90.00
Turf Restoration	Syd	575.00



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DRAWING No. 2024004-11
GRALAKE AVE.
11 - SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING HIGHLAKE AVE.

RFP-24-04, FILE No. 2024004

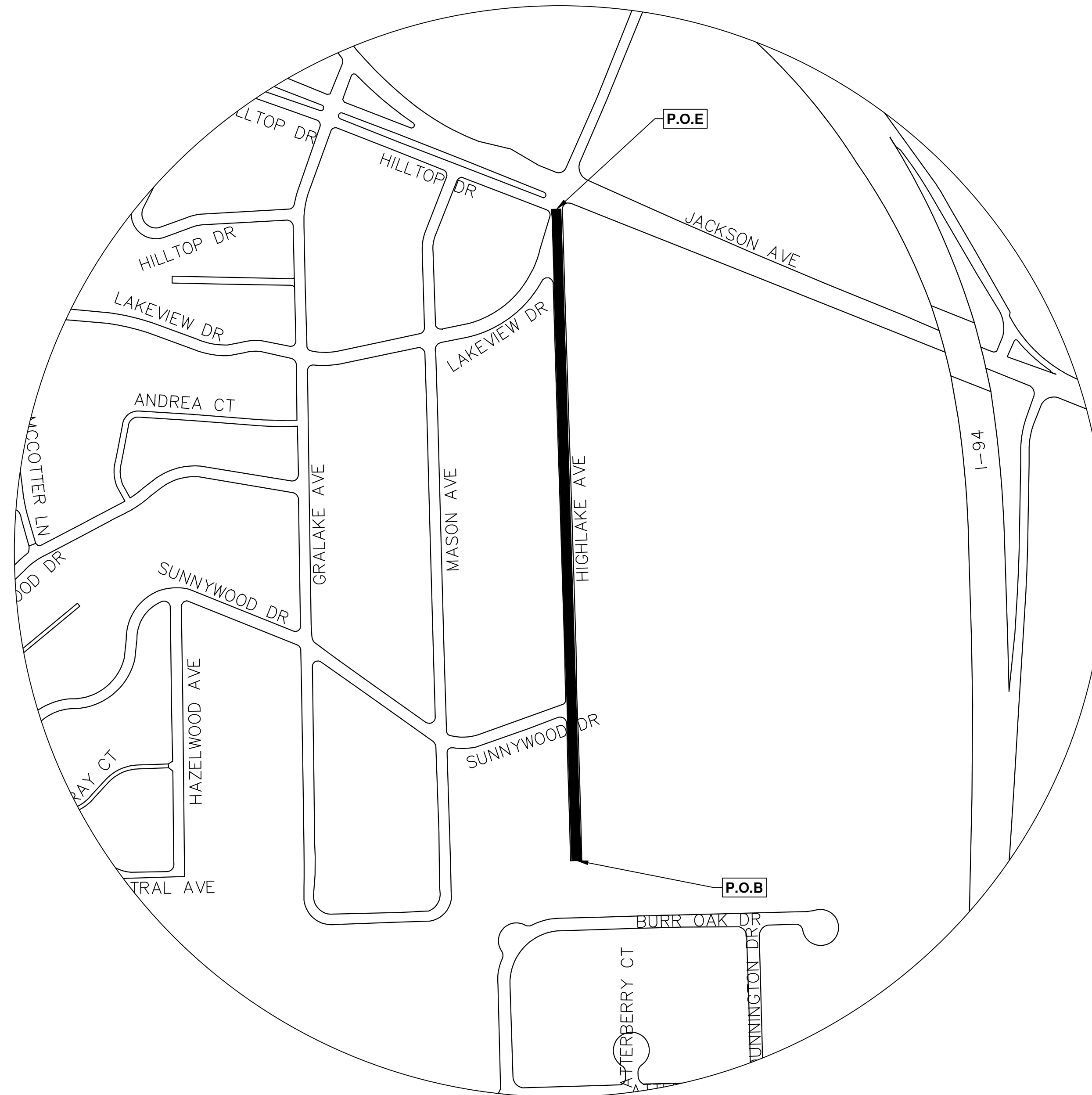
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	6.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	50.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	8.00
Temporary "No Parking" Sign	Ea	50.00
Lighted Arrow, Type C, Furn & Oper	Ea	1.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	20.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	70.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	10.00
Temporary Pedestrian Mat, Furn & Oper	Ft	175.00
HMA, Any Thickness, Rem	Syd	253.00
HMA Patch, Rem	Syd	127.00
Cold-Milling HMA Surface	Syd	5000.00
Cold Milling, Plunge Cut	Syd	500.00
HMA Surface, Around Structure Cover, Rem	Ea	13.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	1050.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	1000.00
Grading Roadway	Syd	150.00
Grading, Sidewalk, Ramp & Driveway Approach	Sft	720.00
Undercutting, Type IIA	Cyd	25.00
Storm Structure Cover, Type K	Ea	4.00
Dr Structure, Point	Ea	2.00
Flowable Fill	Cyd	12.00
Hand Patching	Ton	55.00
HMA, 5EL	Ton	1100.00
HMA, Wedging	Ton	21.00
Conc, Curb or Curb & Gutter, All Types	Ft	1250.00
Conc, Driveway Opening, Type M	Ft	117.00
Conc, Sidewalk, 4 in	Sft	1275.00
Conc, Sidewalk or Ramp, 6 inch	Sft	250.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	1282.00
Detectable Warning Surface	Ft	35.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	160.00
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	26.00
Turf Restoration	Syd	350.00



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

HIGHLAKE AVE.
12 - SUBSET COVER SHEET

SCALE

DRAWING No.
2024004-12

SHEET No.
12 OF 30



CITY OF ANN ARBOR ENGINEERING HILLTOP DR

RFP-24-04, FILE No. 2024004

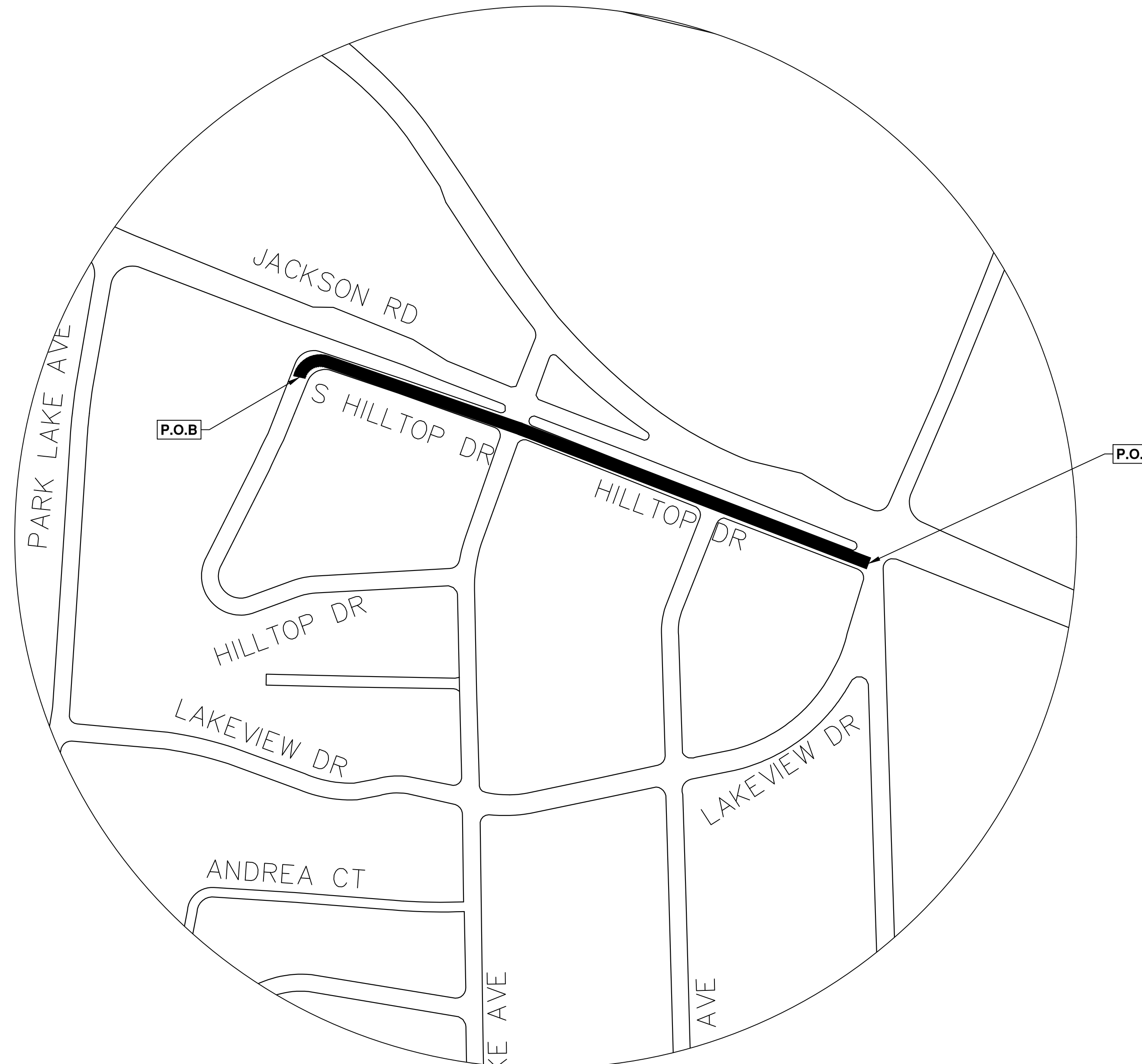
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	5.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	36.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16.00
Temporary "No Parking" Sign	Ea	26.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	20.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	63.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	5.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	5.00
Temporary Pedestrian Mat, Furn & Oper	Ft	25.00
Cold-Milling HMA Surface	Syd	2490.00
Cold Milling, Plunge Cut	Syd	249.00
HMA Surface, Around Structure Cover, Rem	Ea	6.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	251.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	260.00
Undercutting, Type IIA	Cyd	250.00
Adjust Monument Box or Gate Valve Box	Ea	1.00
12 In., PE Storm Sewer, SD-TD-2	Ft	5.00
Storm Single Inlet, 24 In., Dia., (0-8'deep)	Ea	1.00
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	5.00
Storm Sewer Structure, Rem	Ea	1.00
Storm Structure Cover, Type K	Ea	1.00
Dr Structure, Point	Ea	4.00
Curb Box, Adjust	Ea	1.00
Flowable Fill	Cyd	5.00
Hand Patching	Ton	28.00
HMA, 5EL	Ton	275.00
Conc, Curb or Curb & Gutter, All Types	Ft	202.00
Conc, Driveway Opening, Type M	Ft	49.00
Conc, Sidewalk, 4 in	Sft	200.00
Conc, Sidewalk or Ramp, 6 inch	Sft	40.00
Detectable Warning Surface	Ft	5.00
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	45.00
Turf Restoration	Syd	90.00



T:\2024004\Plan Production\Hilltop Dr.dwg - _o2_standard bw.stb - Plot Date: 1/24/2024 8:17:12 PM



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00	BID SET	1/25/24			

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SCALE
DRAWING No. 2024004-13
SHEET No. 13 OF 30
HILLTOP DR
13 - SUBSET COVER SHEET

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CITY OF ANN ARBOR ENGINEERING LAKE PARK LN.

RFP-24-04, FILE No. 2024004

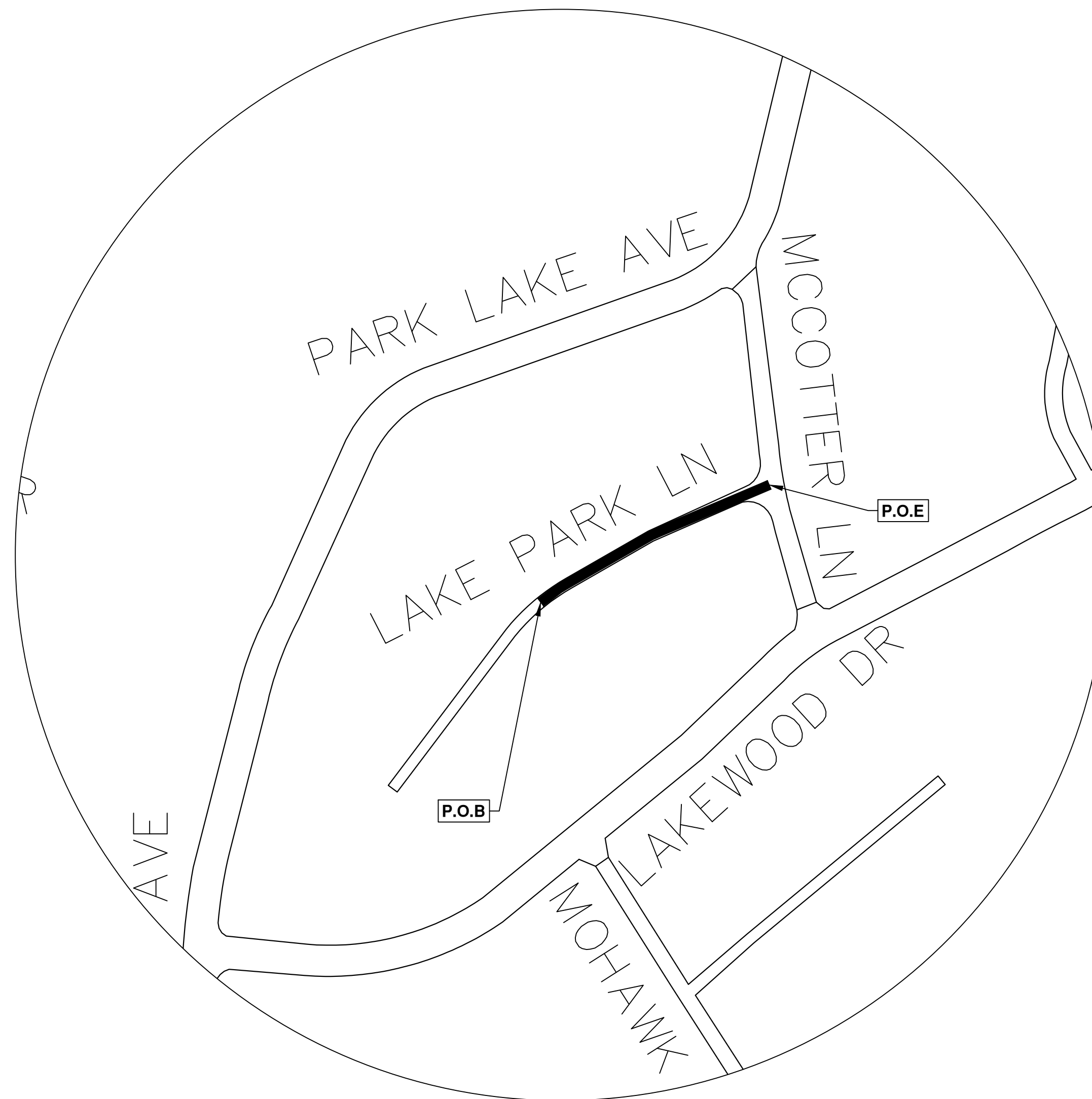
NOTES:

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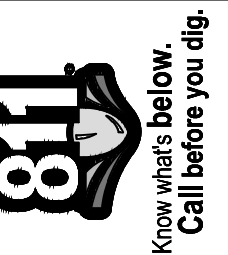
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QUANTITIES		
Item Description	Unit	Quantities
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	10.00
Cold-Milling HMA Surface	Syd	270.00
Grading Roadway	Syd	270.00
Undercutting, Type IIA	Cyd	28.00
Adjust Structure Cover	Ea	2.00
Structure Frame	Ea	2.00
Structure Covers	Ea	2.00
Curb Box, Adjust	Ea	1.00
HMA, 5EL	Ton	60.00
HMA, Soil Erosion, Wedge	Ft	404.00



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DRAWING No. 2024004-14
SHEET No. 14 OF 30
LAKE PARK LN.
14 - SUBSET COVER SHEET
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CITY OF ANN ARBOR ENGINEERING LAKEVIEW DR

RFP-24-04, FILE No. 2024004

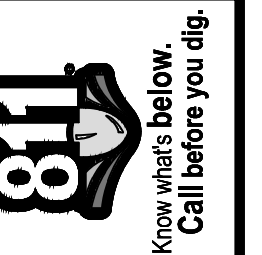
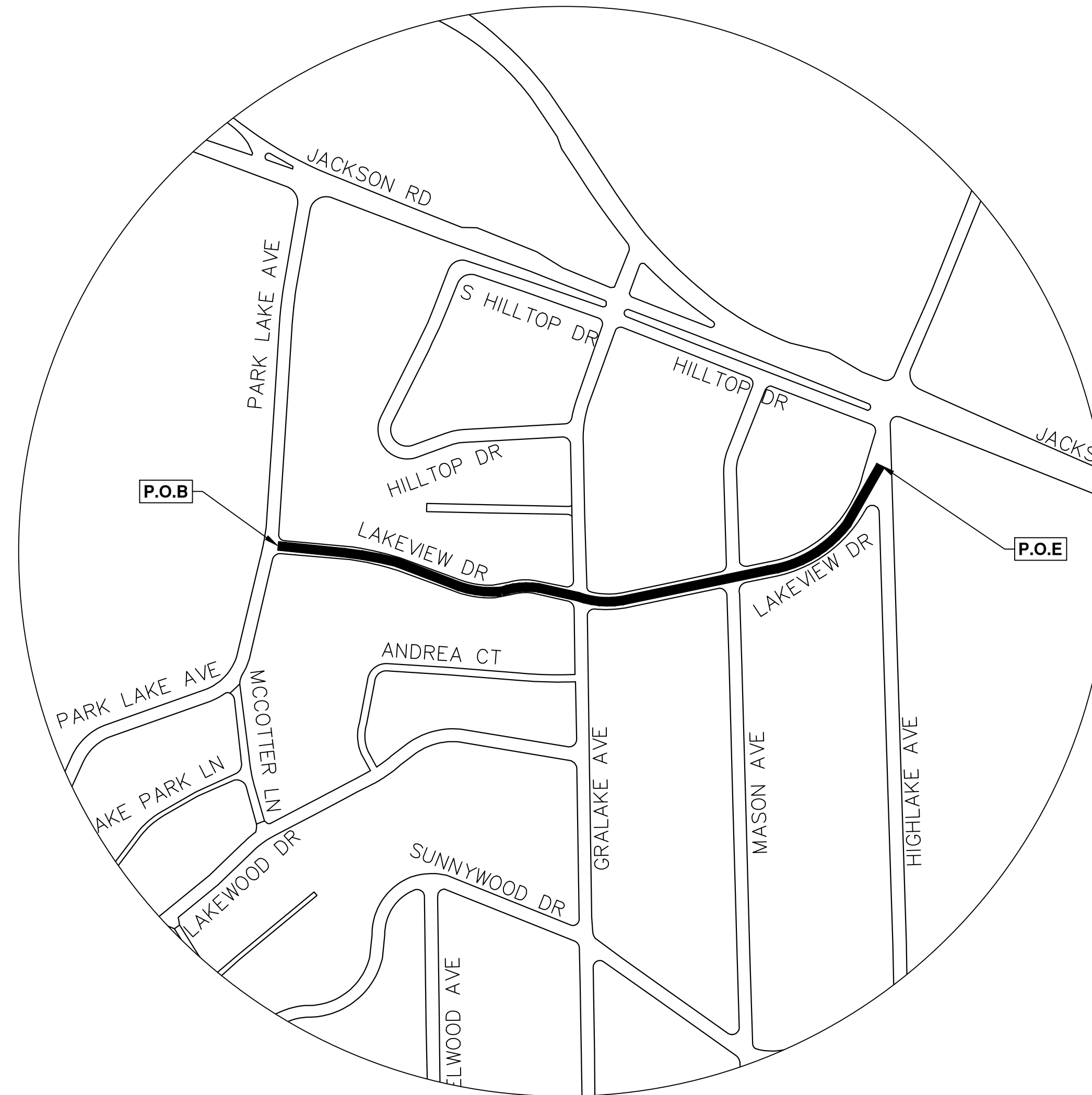
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QUANTITIES		
Item Description	Unit	Quantities
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	75.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	8.00
Temporary "No Parking" Sign	Ea	33.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	50.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	6.00
Temporary Pedestrian Mat, Furn & Oper	Ft	100.00
HMA, Any Thickness, Rem	Syd	27.00
HMA Patch, Rem	Syd	30.00
Cold-Milling HMA Surface	Syd	4320.00
Cold Milling, Plunge Cut	Syd	430.00
HMA Surface, Around Structure Cover, Rem	Ea	10.00
Cold Milling for Concrete Curb and Gutter Reveal	Syd	280.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	288.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	160.00
Dr Structure, Point	Ea	5.00
Curb Box, Adjust	Ea	1.00
Flowable Fill	Cyd	5.00
Hand Patching	Ton	50.00
HMA, 5EL	Ton	475.00
HMA, Wedging	Ton	5.00
Conc, Curb or Curb & Gutter, All Types	Ft	91.00
Conc, Driveway Opening, Type M	Ft	197.00
Conc, Sidewalk or Ramp, 6 inch	Sft	160.00
Detectable Warning Surface	Ft	20.00
Turf Restoration	Syd	96.00



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DRAWING No. 2024004-15
SHEET No. 15 OF 30
LAKEVIEW DR
15 - SUBSET COVER SHEET
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CITY OF ANN ARBOR ENGINEERING LAKEWOOD DR

RFP-24-04, FILE No. 2024004

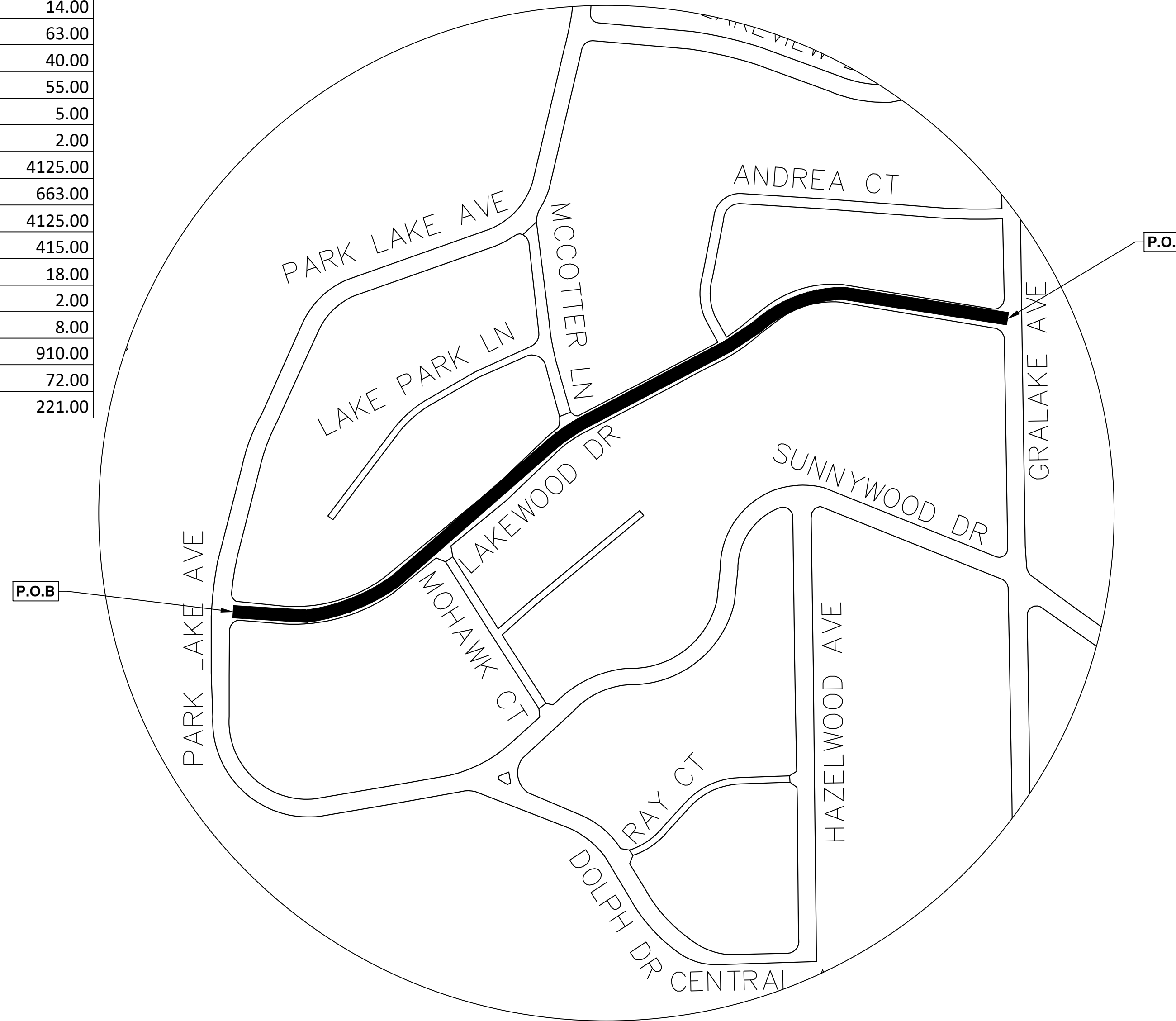
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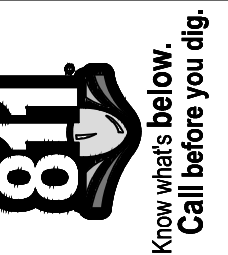
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	14.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	63.00
Temporary "No Parking" Sign	Ea	40.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	55.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	5.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	2.00
Cold-Milling HMA Surface	Syd	4125.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	663.00
Grading Roadway	Syd	4125.00
Undercutting, Type IIA	Cyd	415.00
Adjust Structure Cover	Ea	18.00
Storm Structure Cover, Type K	Ea	2.00
Dr Structure, Point	Ea	8.00
HMA, 5EL	Ton	910.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	72.00
Turf Restoration	Syd	221.00



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DRAWING No. 2024004-16
LAKWOOD DR
SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING MASON AVE.

RFP-24-04, FILE No. 2024004

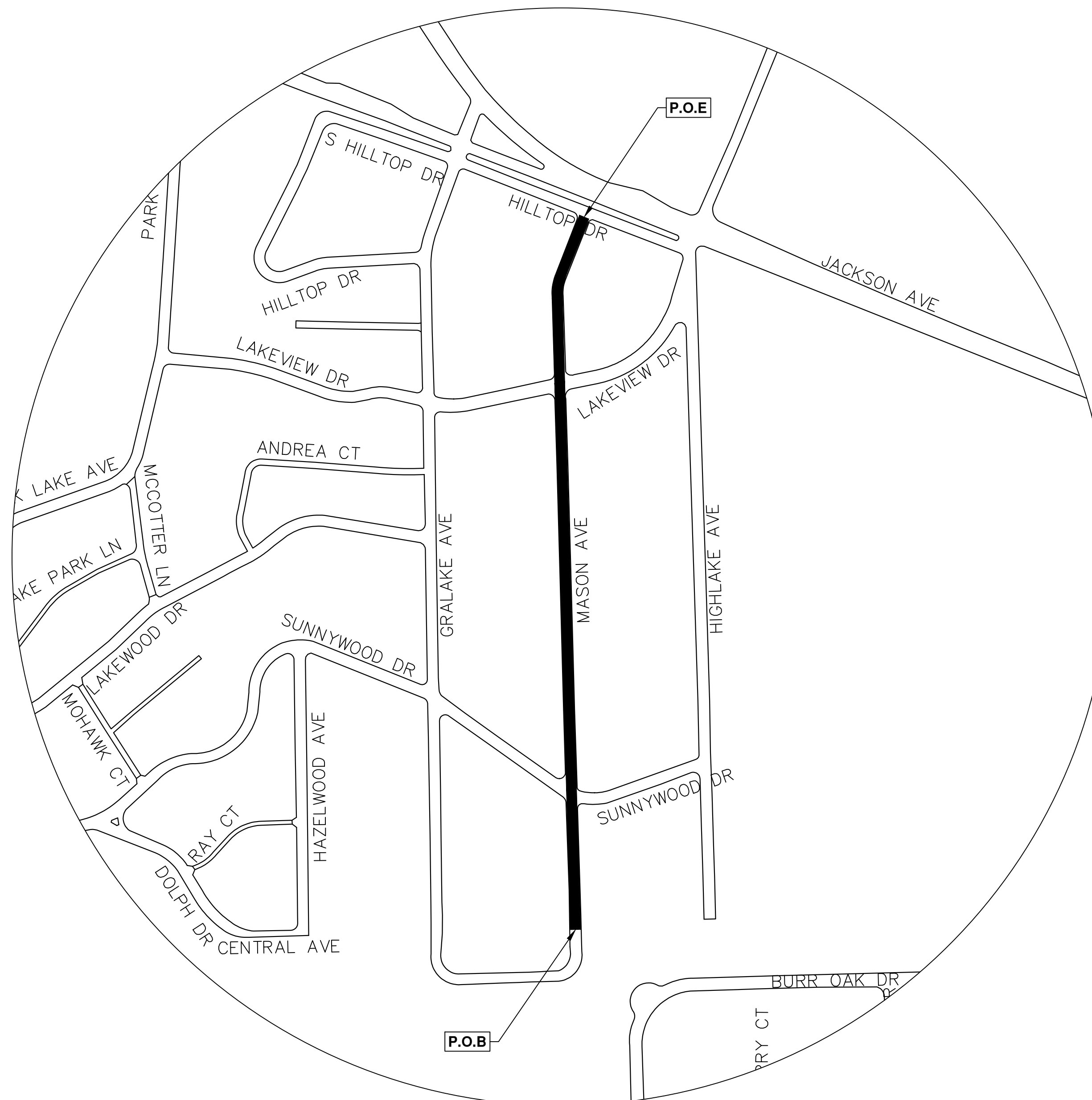
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	10.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	43.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	8.00
Temporary "No Parking" Sign	Ea	50.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	20.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	75.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	8.00
Temporary Pedestrian Mat, Furn & Oper	Ft	400.00
Cold-Milling HMA Surface	Syd	5330.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	1620.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	951.00
Grading Roadway	Syd	5330.00
Undercutting, Type IIA	Cyd	535.00
Adjust Structure Cover	Ea	16.00
Structure Frame	Ea	3.00
Structure Covers	Ea	3.00
Adjust Monument Box or Gate Valve Box	Ea	1.00
12 In., PE Storm Sewer, SD-TD-2	Ft	50.00
Storm Single Inlet, 24 In., Dia., (0-8' deep)	Ea	10.00
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	50.00
Storm Sewer Structure, Rem	Ea	10.00
Storm Structure Cover, Type K	Ea	13.00
Underdrain, Subgrade, 6 inch	Ft	200.00
Curb Box, Adjust	Ea	2.00
HMA, 5EL	Ton	1175.00
Conc, Curb or Curb & Gutter, All Types	Ft	864.00
Conc, Driveway Opening, Type M	Ft	655.00
Conc, Sidewalk, 4 in	Sft	243.00
Conc, Sidewalk or Ramp, 6 inch	Sft	672.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	36.00
Detectable Warning Surface	Ft	80.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	544.00
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	75.00
Turf Restoration	Syd	540.00

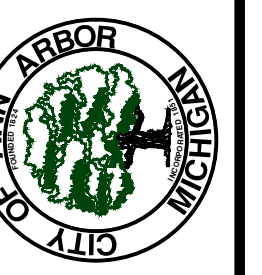


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MASON AVE.
17 - SUBSET COVER SHEET

DRAWING No.
2024004-17

SHEET No.
17 OF 30

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CITY OF ANN ARBOR ENGINEERING MCCOTTER DR.

RFP-24-04, FILE No. 2024004

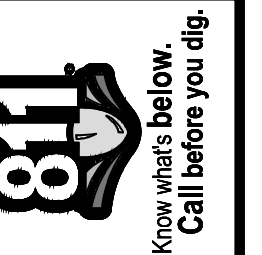
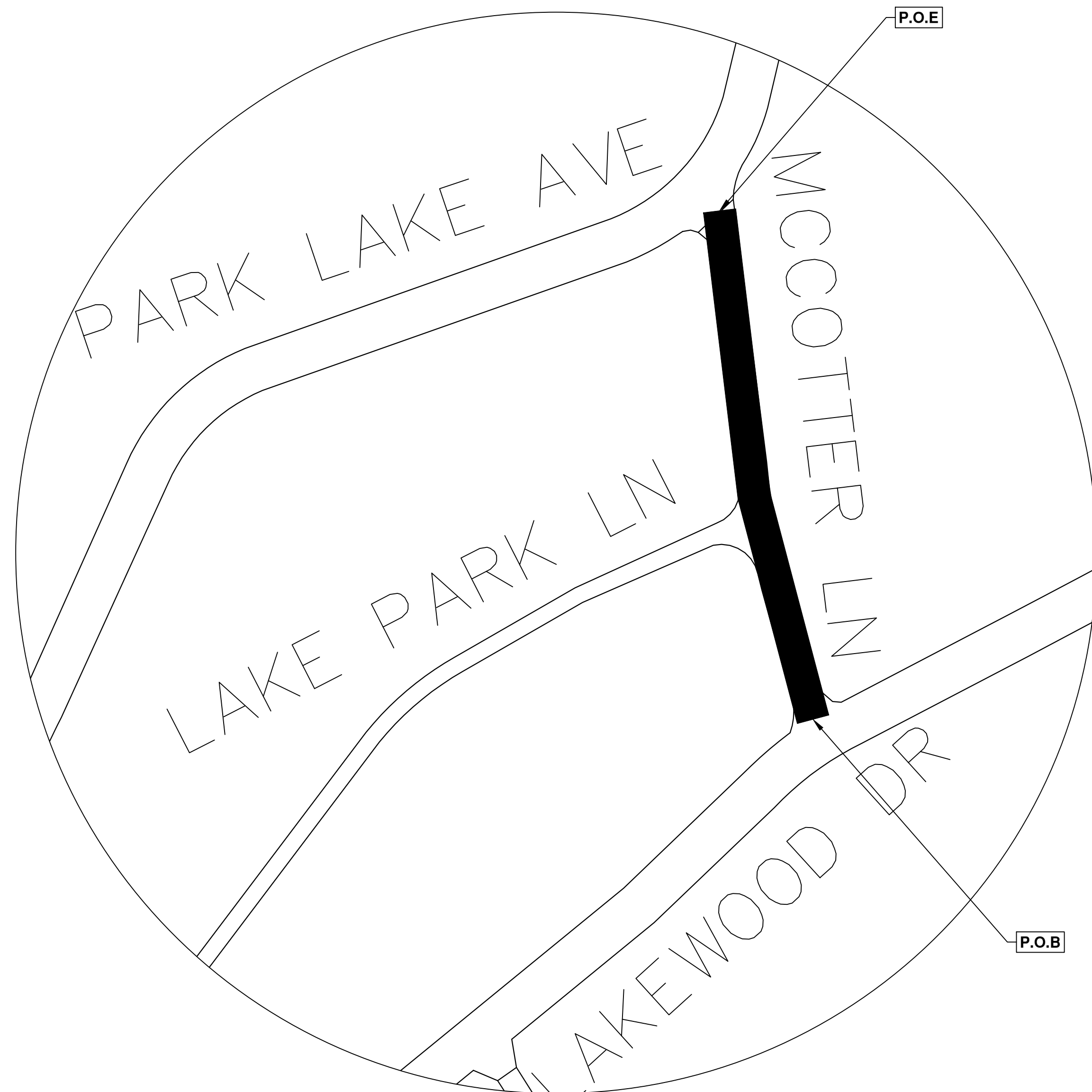
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QUANTITIES		
Item Description	Unit	Quantities
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	25.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	5.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	20.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2.00
HMA, Any Thickness, Rem	Syd	9.00
Cold-Milling HMA Surface	Syd	610.00
Cold Milling, Plunge Cut	Syd	300.00
Cold Milling for Concrete Curb and Gutter Reveal	Syd	300.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	280.00
Grading Roadway	Syd	610.00
Grading, Sidewalk, Ramp & Driveway Approach	Sft	180.00
Undercutting, Type IIA	Cyd	60.00
Adjust Structure Cover	Ea	2.00
Structure Frame	Ea	2.00
Structure Covers	Ea	2.00
Curb Box, Adjust	Ea	1.00
Hand Patching	Ton	50.00
HMA, 5EL	Ton	135.00
HMA, 5EML	Ton	2.00
HMA, Soil Erosion, Wedge	Ft	660.00
HMA, Wedging	Ton	2.00
Driveway, Nonreinf Conc, 8 inch, Modified	Sft	280.00



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DRAWING No. 2024004-18
MCCOTTER DR.
18 - SUBSET COVER SHEET

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CITY OF ANN ARBOR ENGINEERING N. ASHLEY ST.

RFP-24-04, FILE No. 2024004

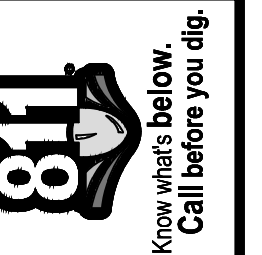
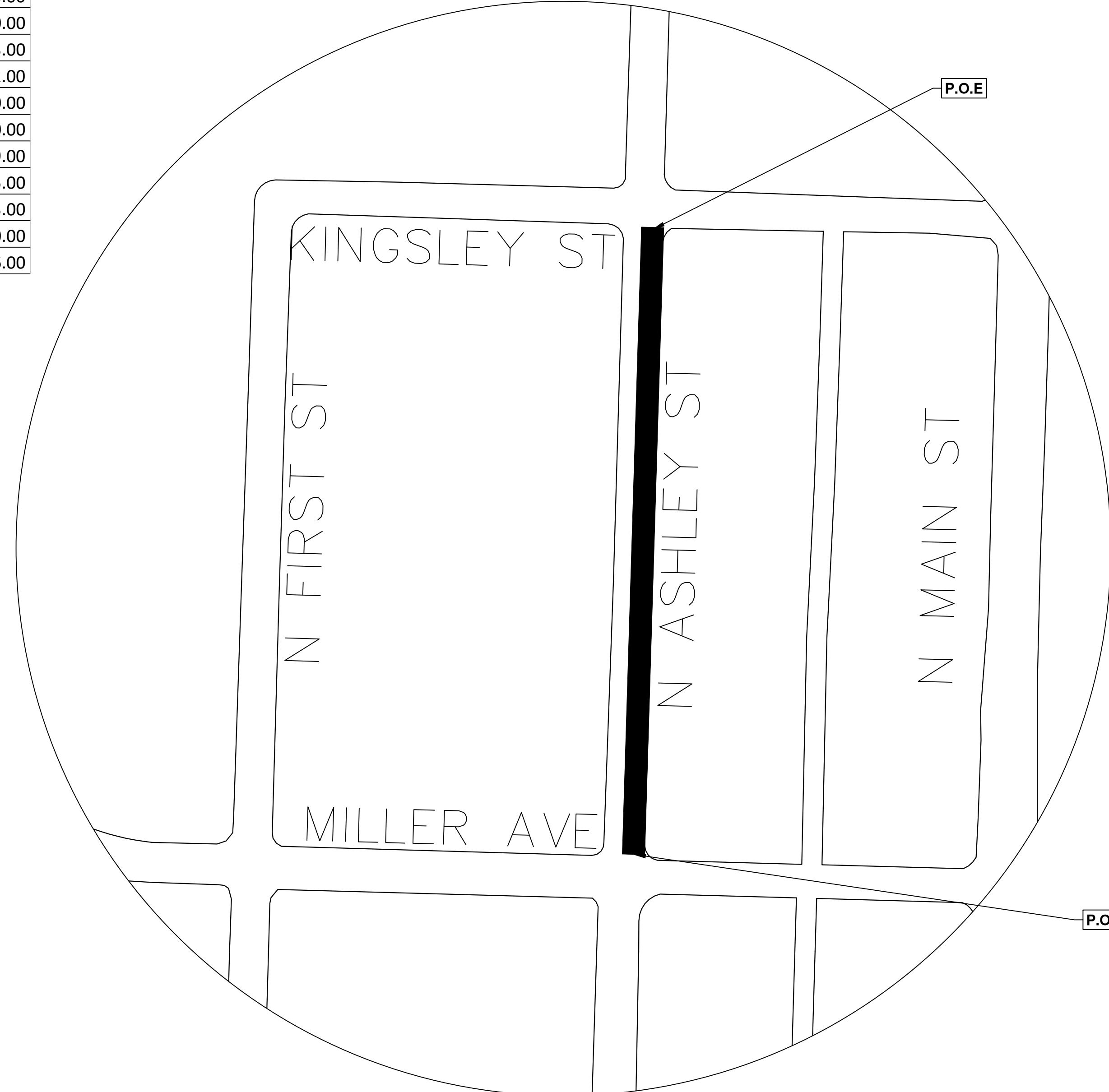
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QUANTITIES		
Item Description	Unit	Quantities
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	149.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	20.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	10.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	23.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2.00
Cold-Milling HMA Surface	Syd	1210.00
Cold Milling, Plunge Cut	Syd	120.00
HMA Surface, Around Structure Cover, Rem	Ea	9.00
Hand Patching	Ton	15.00
HMA, 5EML	Ton	133.00
Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	20.00
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	56.00



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SHEET No. 19 OF 30
N. ASHLEY ST.
19 - SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING NORTHBROOK DRIVE

RFP-24-04, FILE No. 2024004

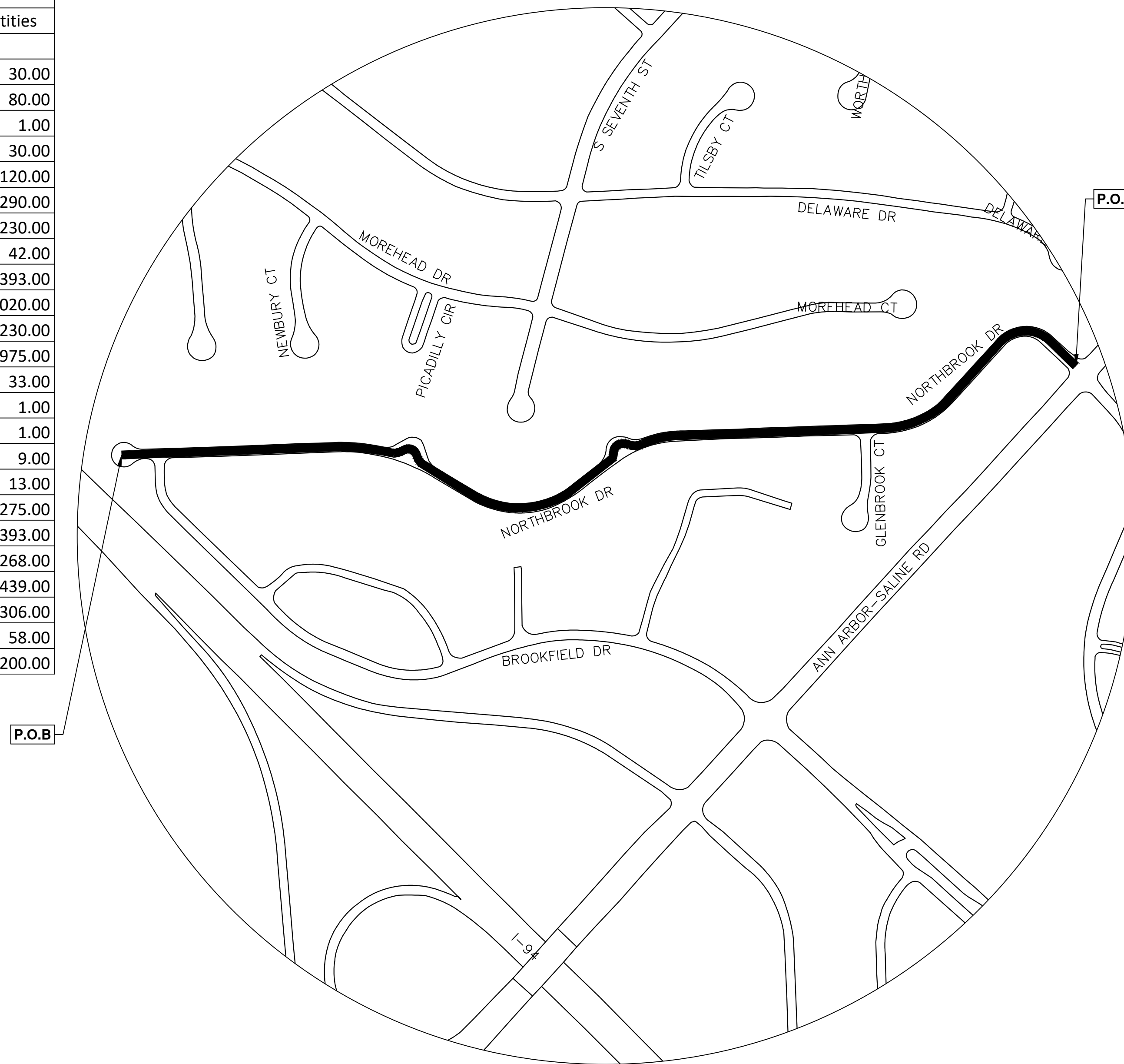
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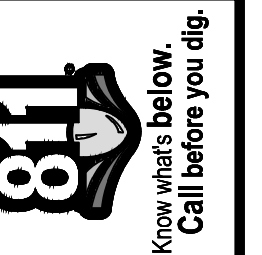
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	30.00
Temporary "No Parking" Sign	Ea	80.00
Lighted Arrow, Type C, Furn & Oper	Ea	1.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	30.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	120.00
Temporary Pedestrian Mat, Furn & Oper	Ft	290.00
Cold-Milling HMA Surface	Syd	13230.00
HMA Surface, Around Structure Cover, Rem	Ea	42.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	1393.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	2020.00
Grading Roadway	Syd	13230.00
Undercutting, Type IIA	Cyd	975.00
Adjust Structure Cover	Ea	33.00
Structure Frame	Ea	1.00
Structure Covers	Ea	1.00
Curb Box, Adjust	Ea	9.00
Flowable Fill	Cyd	13.00
HMA, 5EL	Ton	4275.00
Conc, Curb or Curb & Gutter, All Types	Ft	1393.00
Conc, Sidewalk, 4 in	Sft	1268.00
Conc, Sidewalk or Ramp, 6 inch	Sft	439.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	306.00
Detectable Warning Surface	Ft	58.00
Turf Restoration	Syd	200.00



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PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4110
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CITY OF ANN ARBOR ENGINEERING PARKLAKE AVE.

RFP-24-04, FILE No. 2024004

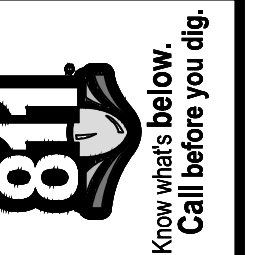
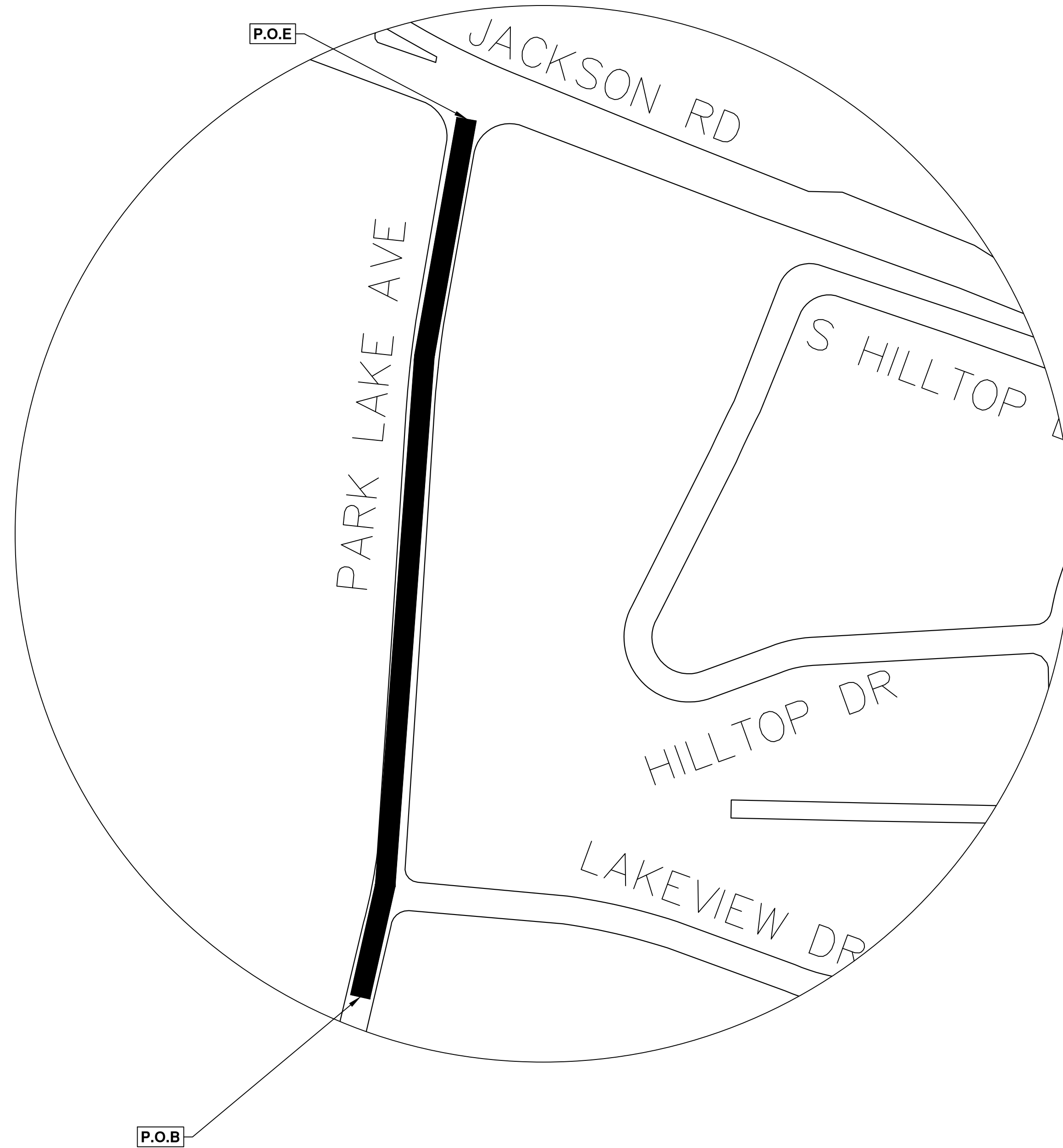
NOTES:

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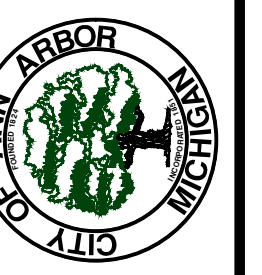
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE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

QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	5.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	70.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	20.00
Temporary "No Parking" Sign	Ea	23.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	35.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	2.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	2.00
Temporary Pedestrian Mat, Furn & Oper	Ft	50.00
Cold-Milling HMA Surface	Syd	2410.00
Cold Milling, Plunge Cut	Syd	240.00
HMA Surface, Around Structure Cover, Rem	Ea	3.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	115.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	210.00
Grading, Sidewalk, Ramp & Driveway Approach	Sft	60.00
Dr Structure, Point	Ea	4.00
Flowable Fill	Cyd	2.00
Hand Patching	Ton	27.00
HMA, 5EL	Ton	265.00
Conc, Curb or Curb & Gutter, All Types	Ft	91.00
Conc, Driveway Opening, Type M	Ft	24.00
Conc, Sidewalk, 4 in	Sft	150.00
Conc, Sidewalk or Ramp, 6 inch	Sft	80.00
Detectable Warning Surface	Ft	10.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	72.00
Turf Restoration	Syd	45.00



NO	BID SET	DATE	CE	NB	CHECKED
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	DESCRIPTION				

CITY OF ANN ARBOR
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE
DRAWING No.
2024004-21
PARKLAKE AVE.
21 - SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING PAGE AVE.

RFP-24-04, FILE No. 2024004

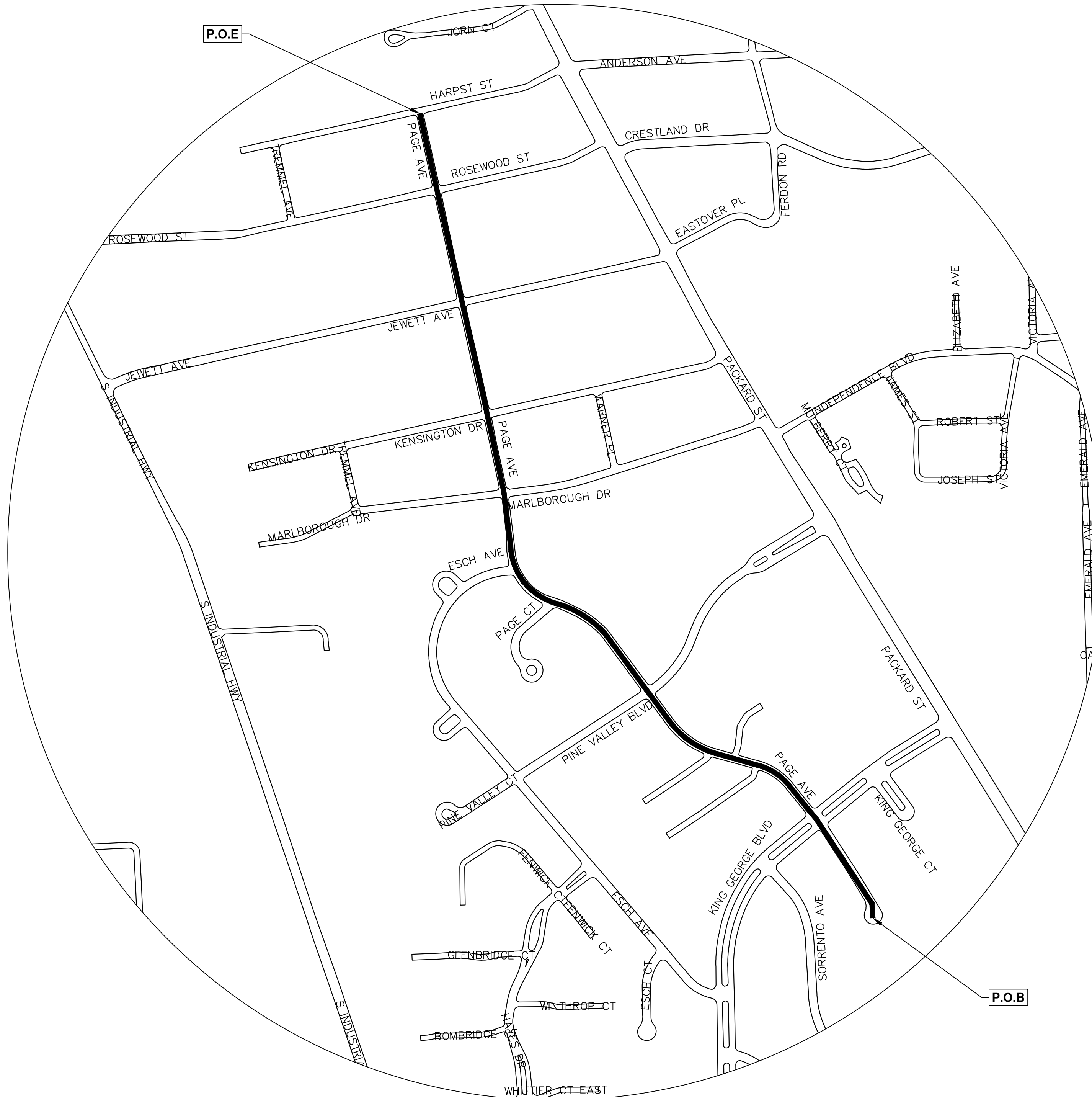
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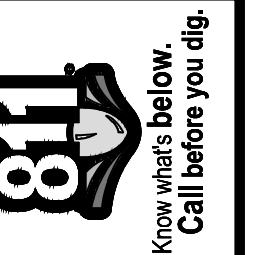
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	45.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	162.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16.00
Temporary "No Parking" Sign	Ea	104.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	150.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	10.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	8.00
Temporary Pedestrian Mat, Furn & Oper	Ft	700.00
Tree, Rem, 6 in. - 12 in.	Ea	11.00
Tree, Rem, 13 in.- 36 in.	Ea	4.00
HMA, Any Thickness, Rem	Syd	11999.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	2908.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	291.00
Grading Roadway	Syd	11847.00
Grading, Sidewalk, Ramp & Driveway Approach	Sft	12490.00
Undercutting, Type IIA	Cyd	1180.00
Exploratory Excavation, (0-10' Deep), SD-TD-1	Ea	4.00
Adjust Structure Cover	Ea	21.00
Structure Frame	Ea	22.00
Structure Covers	Ea	22.00
12 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	180.00
12 In., PE Storm Sewer, SD-TD-2	Ft	48.00
Storm Sewer Tap, 12 In. Dia	Ea	5.00
Storm Inlet-Junction, 48 In., Dia., (0-8' deep)	Ea	6.00
Storm Single Inlet, 24 In., Dia., (0-8' deep)	Ea	6.00
Storm High Capacity Intet, 48 In. Dia., (0-8' deep)	Ea	1.00
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	260.00
Storm Sewer Structure, Rem	Ea	19.00
Storm Structure Cover, Type K	Ea	9.00
Underdrain, Subgrade, 6 inch	Ft	156.00
Dr Structure, Point	Ea	8.00
Curb Box, Adjust	Ea	3.00
Aggregate Base Course, 21AA, CIP	Ton	460.00
Geotextile, Separator Fabric	Syd	2000.00
HMA, 5EL	Ton	2610.00
Conc, Curb or Curb & Gutter, All Types	Ft	1696.00
Conc, Driveway Opening, Type M	Ft	1237.00
Conc, Sidewalk, 4 in	Sft	8600.00
Conc, Sidewalk or Ramp, 6 inch	Sft	1288.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	1900.00
Brick Pavers, Sidewalk, Rem and Reinstall	Sft	90.00
Raised Intersection, Conc	Syd	152.00
Detectable Warning Surface	Ft	140.00
Pavt Mrkg, Ovly Cold Plastic, Sharrow Sym	Ea	6.00
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	8.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	900.00
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	225.00
Fence, Rem	Ft	30.00
Turf Restoration	Syd	1600.00



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NO	REV	DATE	DESCRIPTION

CITY OF ANN ARBOR
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ANN ARBOR MI 48106-8647
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CITY OF ANN ARBOR ENGINEERING SUNNYWOOD DR.

RFP-24-04, FILE No. 2024004

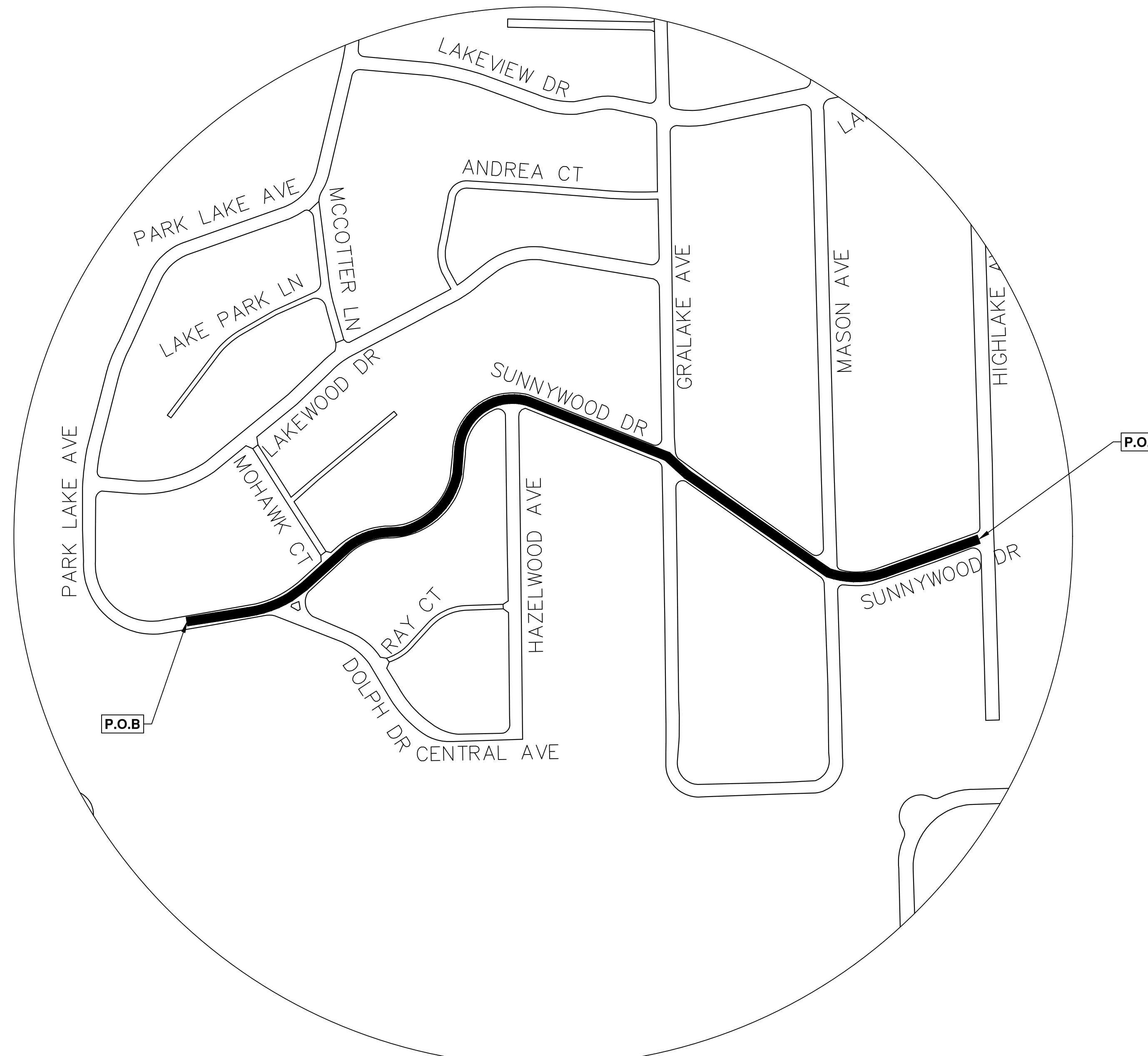
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	13.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	100.00
Temporary "No Parking" Sign	Ea	50.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	20.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	75.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	8.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	10.00
Temporary Pedestrian Mat, Furn & Oper	Ft	20.00
HMA, Any Thickness, Rem	Syd	49.00
HMA Patch, Rem	Syd	36.00
Cold-Milling HMA Surface	Syd	5613.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	1082.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	180.00
Grading Roadway	Syd	5613.00
Undercutting, Type IIA	Cyd	560.00
Adjust Structure Cover	Ea	33.00
Structure Frame	Ea	23.00
Structure Covers	Ea	23.00
Adjust Monument Box or Gate Valve Box	Ea	2.00
12 In., PE Storm Sewer, SD-TD-2	Ft	70.00
Storm Single Inlet, 24 In. Dia., (0-8' deep)	Ea	7.00
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	70.00
Storm Sewer Structure, Rem	Ea	7.00
Storm Structure Cover, Type K	Ea	10.00
Underdrain, Subgrade, 6 inch	Ft	100.00
Dr Structure, Point	Ea	3.00
Hand Patching	Ton	25.00
HMA, SEL	Ton	985.00
HMA, Wedging	Ton	6.00
Conc, Curb or Curb & Gutter, All Types	Ft	675.00
Conc, Driveway Opening, Type M	Ft	407.00
Conc, Sidewalk or Ramp, 6 inch	Sft	150.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	180.00
Detectable Warning Surface	Ft	4.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	256.00
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	30.00
Turf Restoration	Syd	360.00



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ANN ARBOR, MI 48106-1667
734.794.8410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SUNNYWOOD DR.

23 - SUBSET COVER SHEET

SCALE

DRAWING No. 2024004-23

SHEET No. 23 OF 30



CITY OF ANN ARBOR ENGINEERING YOST BLVD

RFP-24-04, FILE No. 2024004

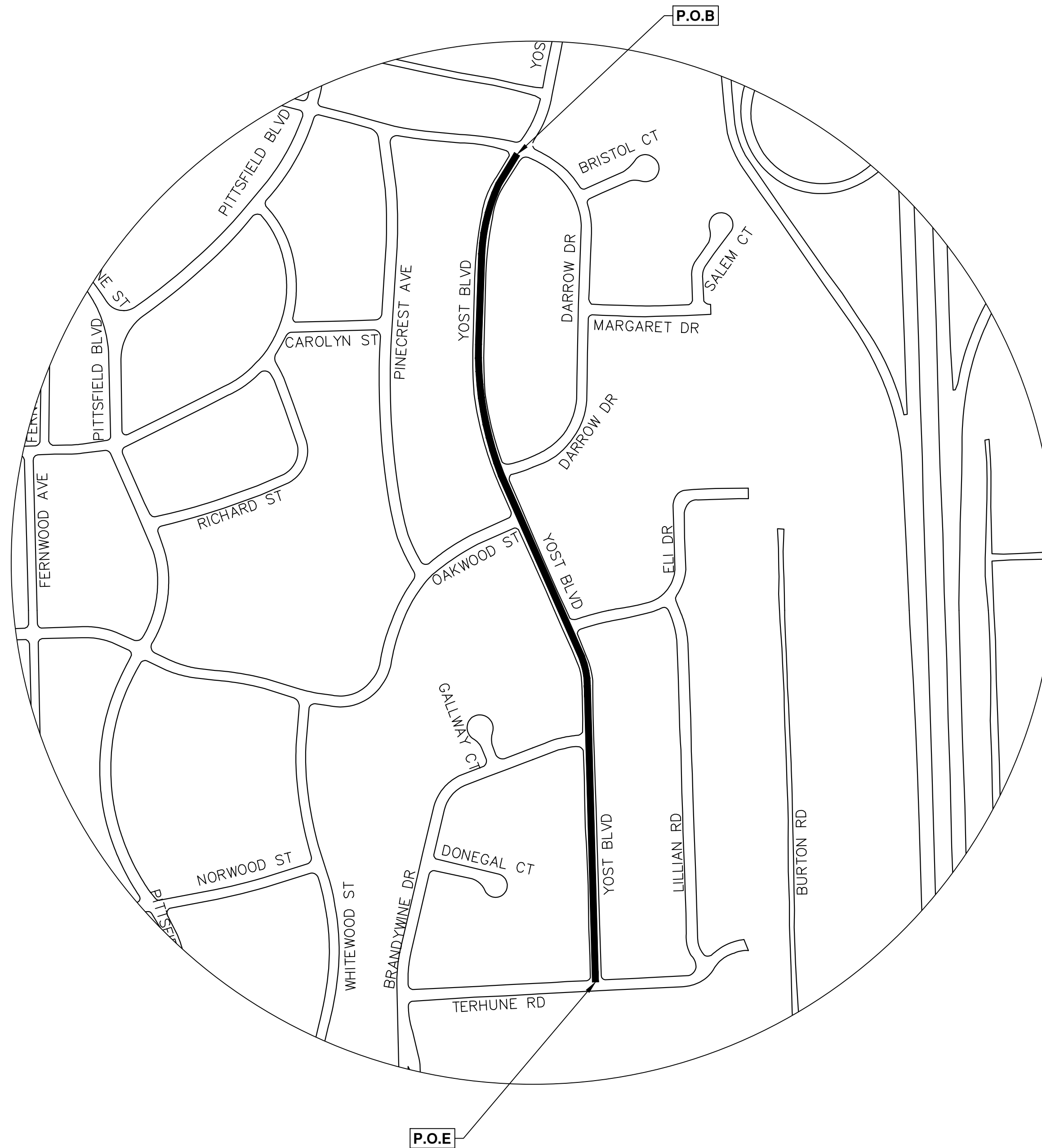
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	16.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	99.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	16.00
Temporary "No Parking" Sign	Ea	70.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	105.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	5.00
Temporary Pedestrian Mat, Furn & Oper	Ft	300.00
HMA, Any Thickness, Rem	Syd	592.00
HMA Patch, Rem	Syd	30.00
Cold-Milling HMA Surface	Syd	9060.00
Cold Milling for Concrete Curb and Gutter Reveal	Syd	870.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	2007.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	2094.00
Grading Roadway	Syd	9060.00
Undercutting, Type IIA	Cyd	900.00
Adjust Structure Cover	Ea	26.00
Structure Frame	Ea	21.00
Structure Covers	Ea	23.00
12 In., PE Storm Sewer, SD-TD-2	Ft	55.00
Storm Single Inlet, 24 In., Dia., (0-8' deep)	Ea	11.00
Storm Sewer Pipe, 12 in. Dia., Rem	Ft	55.00
Storm Sewer Structure, Rem	Ea	11.00
Storm Structure Cover, Type K	Ea	15.00
Dr Structure, Point	Ea	2.00
Curb Box, Adjust	Ea	1.00
HMA, 5EL	Ton	2000.00
HMA, 5EML	Ton	6.00
HMA, Wedging	Ton	6.00
Conc, Curb or Curb & Gutter, All Types	Ft	998.00
Conc, Driveway Opening, Type M	Ft	1008.00
Conc, Sidewalk, 4 in	Sft	1155.00
Conc, Sidewalk or Ramp, 6 inch	Sft	400.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	243.00
Raised Intersection, Conc	Syd	393.00
Speed Hump, Conc	Syd	126.00
Detectable Warning Surface	Ft	60.00
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	24.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	958.00
Pavt Mrkg, Thermopl, 24 In., Stop Bar	Ft	84.00
Turf Restoration	Syd	892.00



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE: YOST BLVD

DRAWING No. 2024004-24

SHEET No. 24 OF 30

SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING EARHART SHARED USE PATH

RFP-24-04, FILE No. 2024004

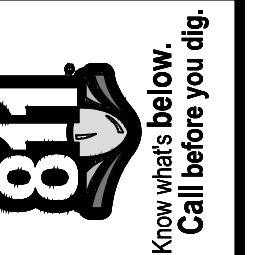
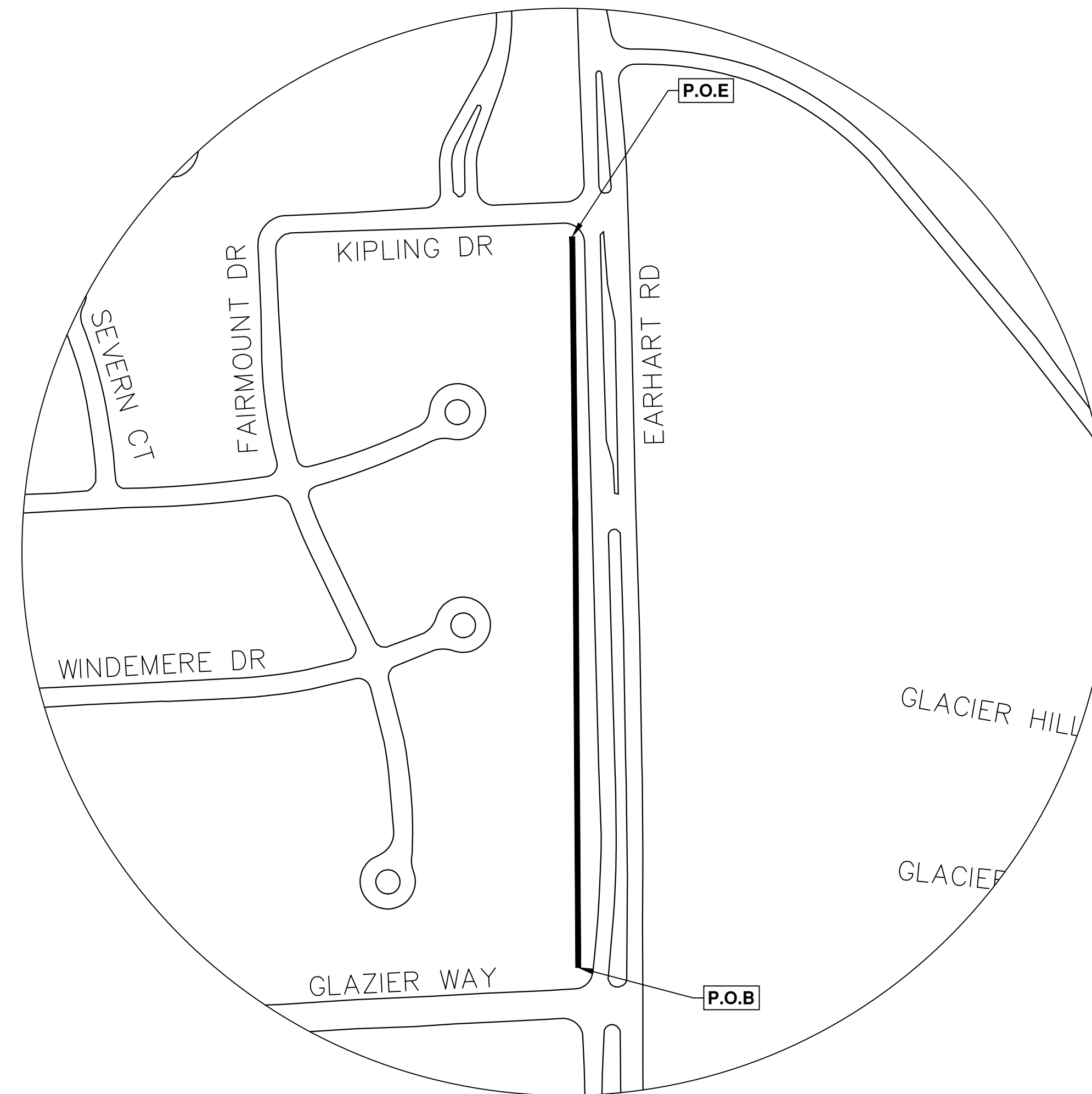
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	7.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	41.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12.00
Lighted Arrow, Type C, Furn & Oper	Ea	1.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	15.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	30.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	6.00
Temporary Pedestrian Mat, Furn & Oper	Ft	80.00
HMA, Any Thickness, Rem	Syd	1175.00
Adjust Structure Cover	Ea	1.00
Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	20.00
Conc, Sidewalk, 4 in	Sft	6600.00
Conc, Sidewalk or Ramp, 6 inch	Sft	160.00
Detectable Warning Surface	Ft	16.00
Turf Restoration	Syd	750.00



REV	DESCRIPTION	DATE	CE	NB	CHECKED
00	BID SET	1/25/24			

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE
DRAWING No. 2024004-25
EARHART SHARED USE PATH
25 - SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING GLAIZERWAY SHARED USE PATH

RFP-24-04, FILE No. 2024004

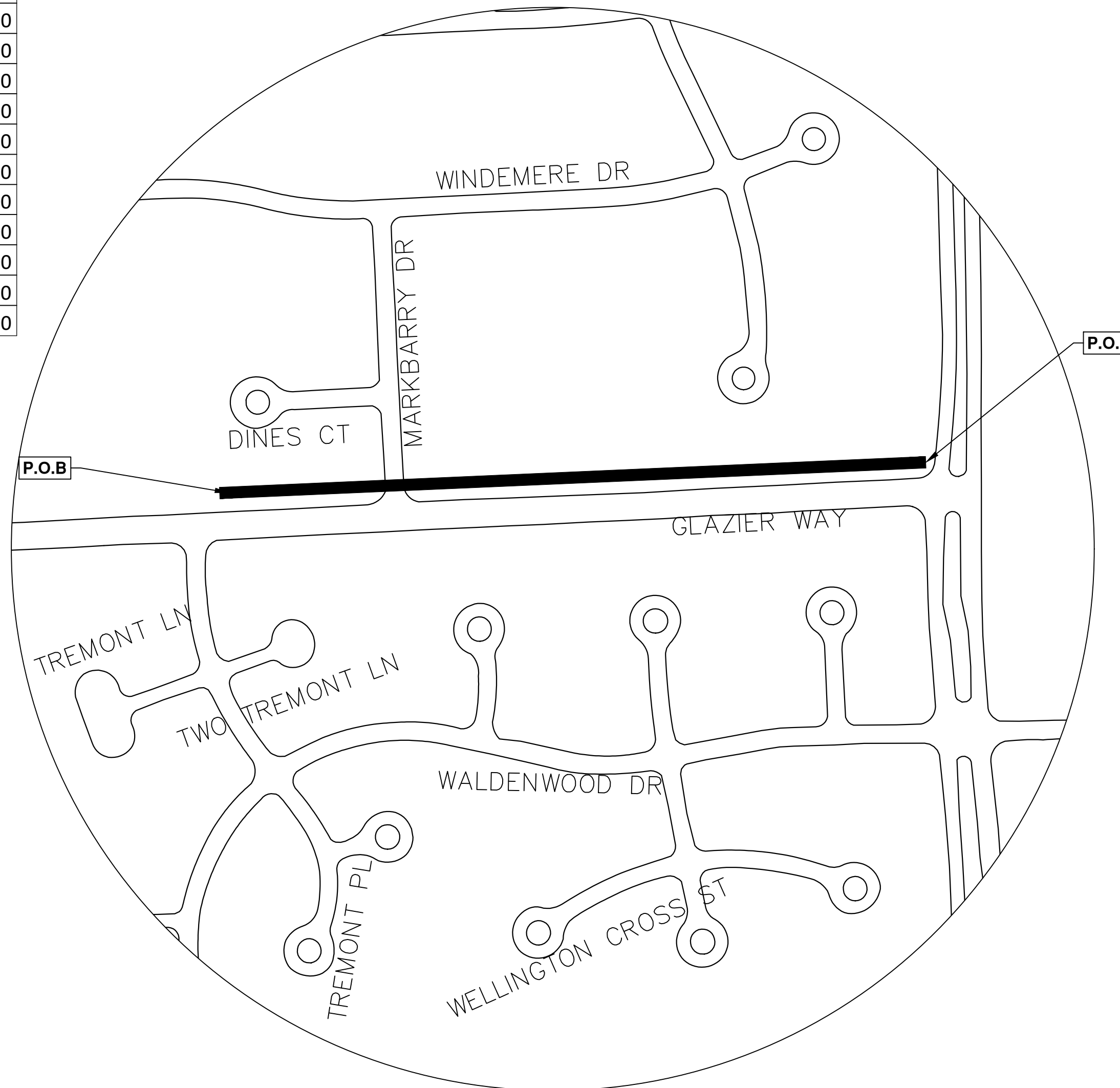
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QUANTITIES		
Item Description	Unit	Quantities
Erosion Control, Inlet Protection, Fabric Drop	Ea	7.00
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	41.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	12.00
Lighted Arrow, Type C, Furn & Oper	Ea	1.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	15.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	30.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	8.00
Temporary Pedestrian Mat, Furn & Oper	Ft	50.00
HMA, Any Thickness, Rem	Syd	970.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	40.00
Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	20.00
Conc, Sidewalk, 4 in	Sft	6850.00
Conc, Sidewalk or Ramp, 6 inch	Sft	100.00
Driveway, Nonreinf Conc, 6 inch, Modified	Sft	120.00
Detectable Warning Surface	Ft	10.00
Turf Restoration	Syd	630.00



REV	DESCRIPTION	DATE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
00	BID SET	1/25/24													

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
GLAZIERWAY SHARED USE PATH
26 - SUBSET COVER SHEET

SCALE
DRAWING No.
2024004-26

SHEET No.
26 OF 30



CITY OF ANN ARBOR ENGINEERING FULMER ST TRAFFIC CALMING

RFP-24-04, FILE No. 2024004

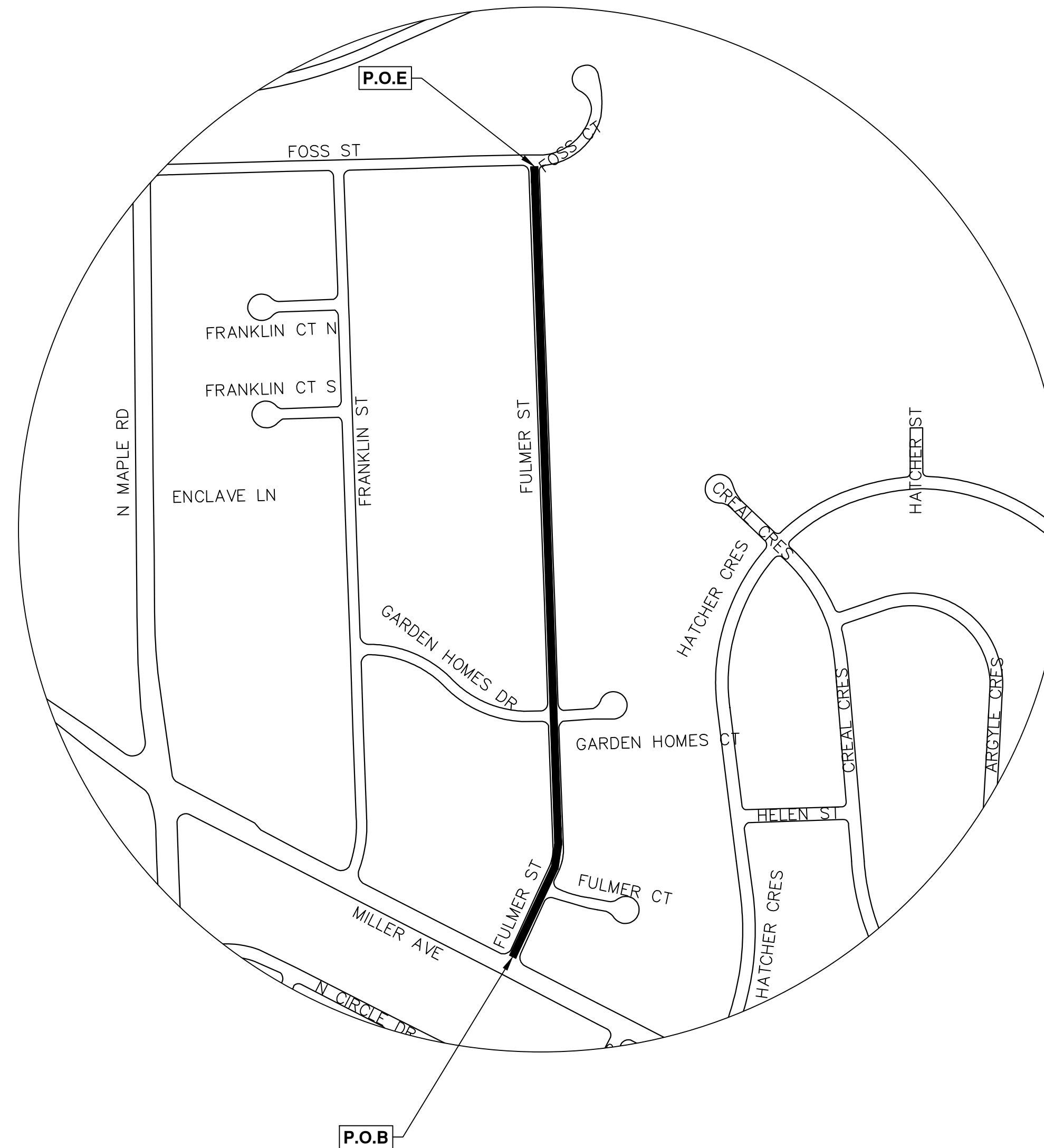
NOTES:

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.

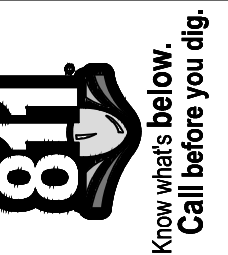
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

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.

QUANTITIES		
Item Description	Unit	Quantities
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	34.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	4.00
Temporary "No Parking" Sign	Ea	24.00
Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	24.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	24.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	8.00
HMA, Any Thickness, Rem	Syd	263.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	264.00
Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	400.00
Flowable Fill	Cyd	3.00
Hand Patching	Ton	20.00
Conc, Curb or Curb & Gutter, All Types	Ft	264.00
Conc, Sidewalk, 4 in	Sft	600.00
Conc, Sidewalk or Ramp, 6 inch	Sft	220.00
Raised Intersection, Conc	Syd	117.00
Speed Hump, Conc	Syd	200.00
Detectable Warning Surface	Ft	20.00
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	20.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	200.00
Rem Curing Compound, for Spec Mrkg	Sft	384.00
Turf Restoration	Syd	140.00



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE
DRAWING No. 2024004-27
FULMER ST TRAFFIC CALMING
27 - SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING BALDWIN AVE TRAFFIC CALMING

RFP-24-04, FILE No. 2024004

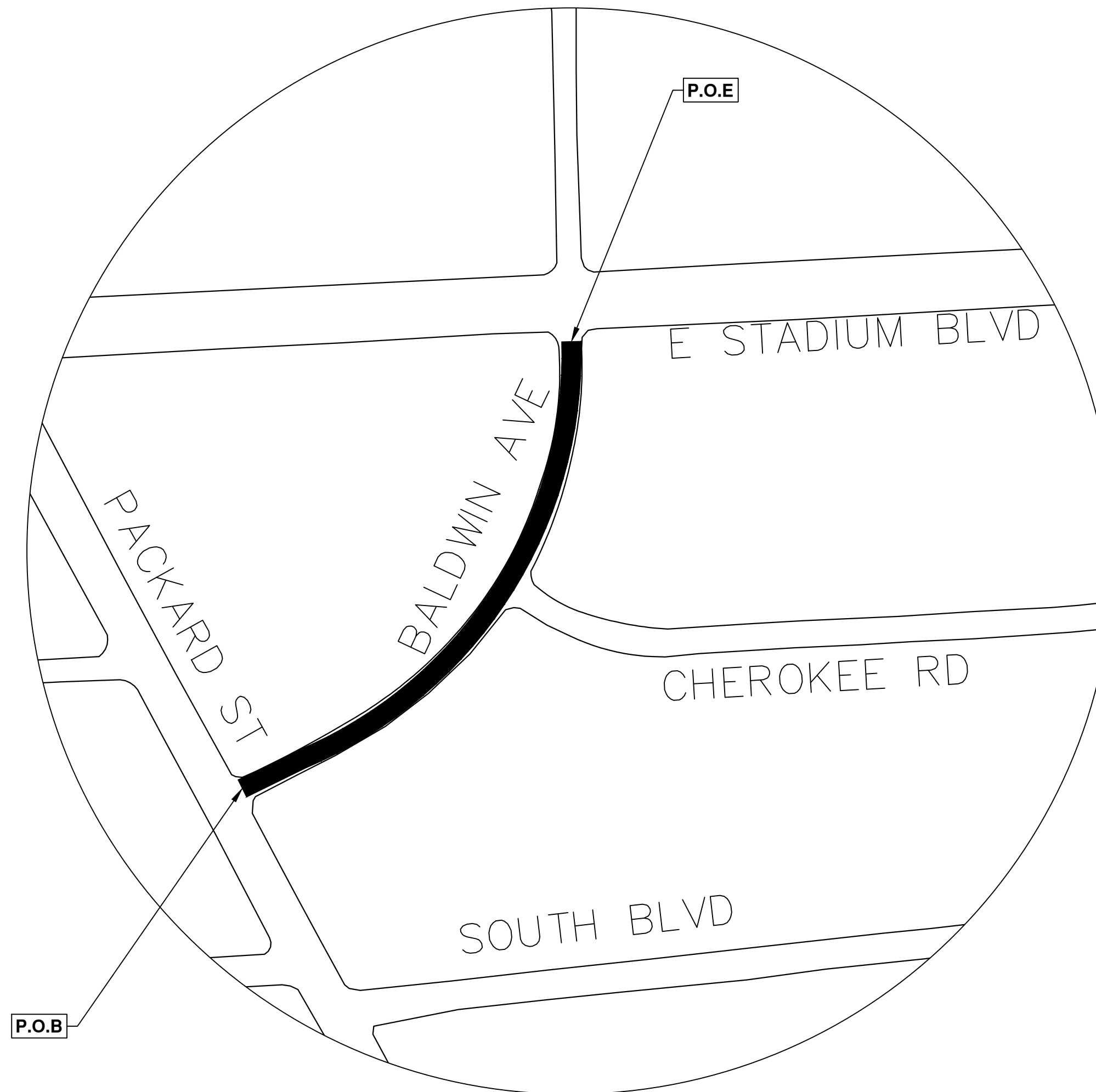
NOTES:

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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QUANTITIES		
Item Description	Unit	Quantities
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	45.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	20.00
Temporary "No Parking" Sign	Ea	20.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	20.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4.00
HMA, Any Thickness, Rem	Syd	62.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	56.00
Conc, Curb or Curb & Gutter, All Types	Ft	56.00
Speed Hump, Conc	Syd	62.00
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	8.00
Rem Curing Compound, for Spec Mrkg	Sft	154.00
Turf Restoration	Syd	30.00



T:\2024004\Plan Production\Baldwin Avt Traffic Calming.dwg - _o2 standard bw.stb - Plot Date: 1/24/2024 8:21:46 PM



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

BALDWIN AVE TRAFFIC CALMING

28 - SUBSET COVER SHEET

SCALE

DRAWING No. 2024004-28

SHEET No. 28 OF 30



CITY OF ANN ARBOR ENGINEERING MANCHESTER RD. TRAFFIC CALMING

RFP-24-04, FILE No. 2024004

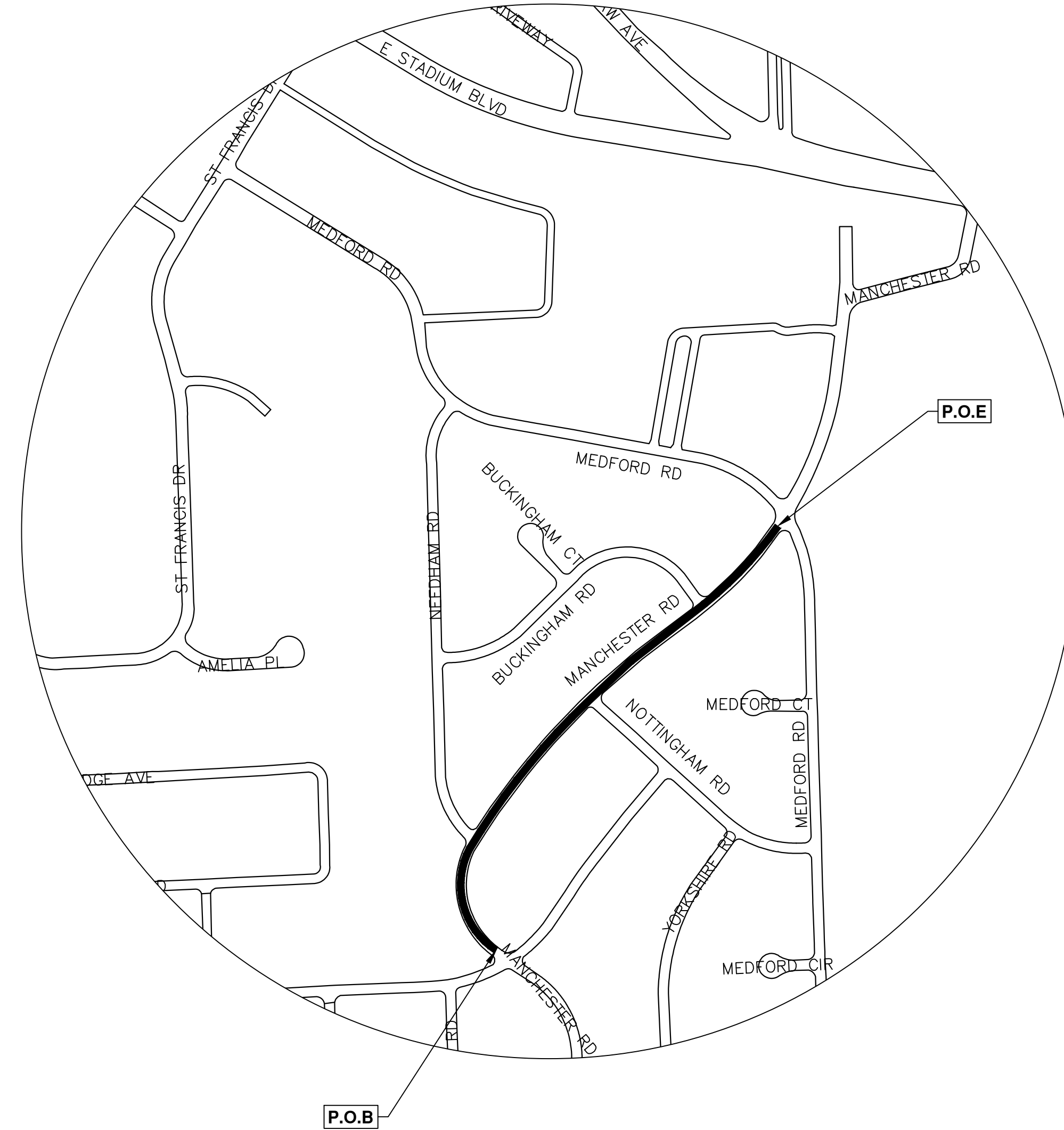
NOTES:

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QUANTITIES		
Item Description	Unit	Quantities
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	18.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	8.00
Temporary "No Parking" Sign	Ea	20.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	20.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4.00
Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	4.00
HMA, Any Thickness, Rem	Syd	96.00
Speed Hump, Conc	Syd	96.00
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	8.00
Pavt Mrkg, Thermopl, 12 In., Crosswalk	Ft	64.00
Rem Curing Compound, for Spec Mrkg	Sft	154.00
Turf Restoration	Syd	30.00



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

MANCHESTER RD. TRAFFIC CALMING

29 - SUBSET COVER SHEET

SCALE
DRAWING No.
2024004-29

SHEET No.
29 OF 30



CITY OF ANN ARBOR ENGINEERING GRANDVIEW DR. TRAFFIC CALMING

RFP-24-04, FILE No. 2024004

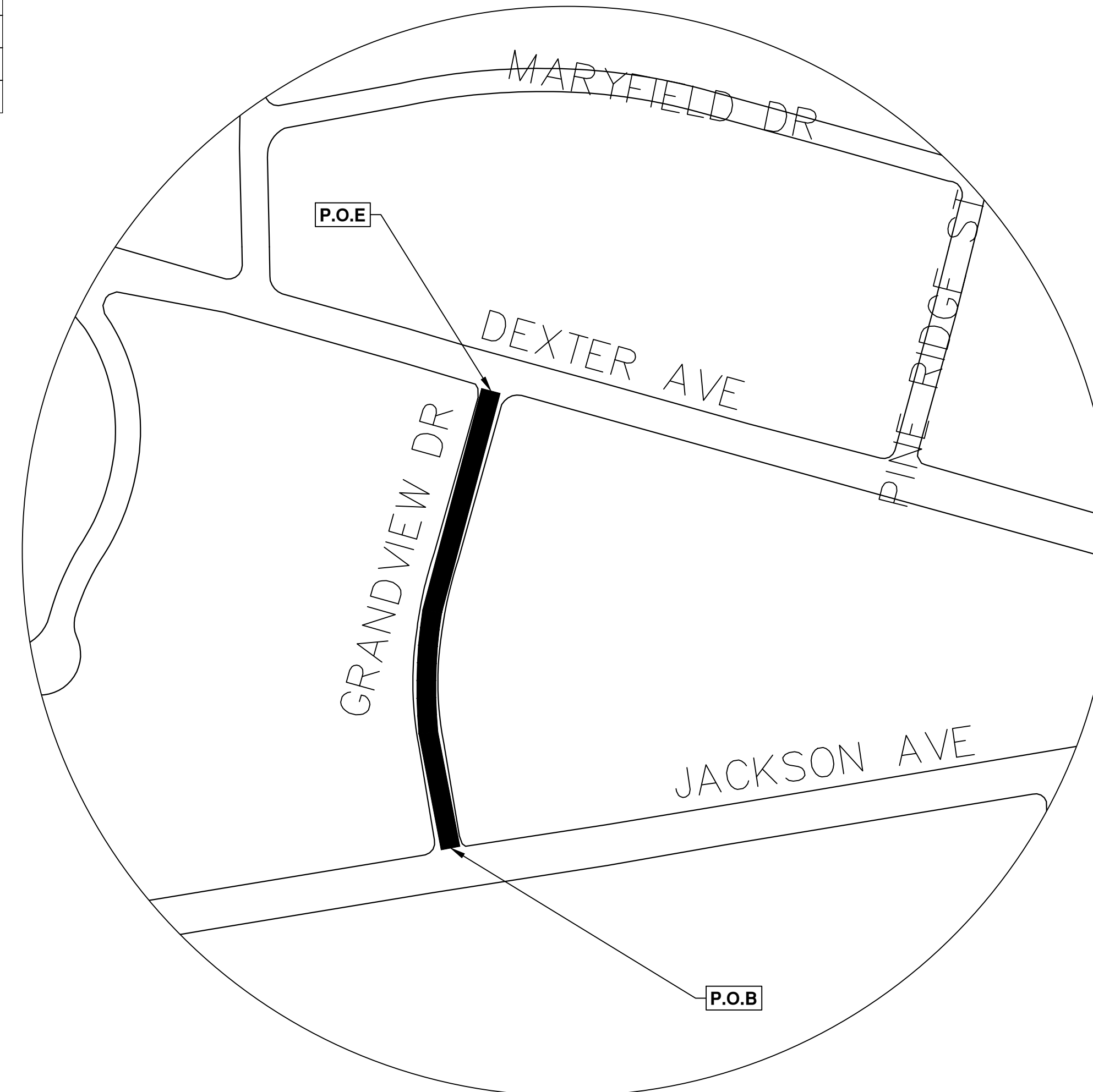
NOTES:

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QUANTITIES		
Item Description	Unit	Quantities
Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	45.00
Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	20.00
Temporary "No Parking" Sign	Ea	20.00
Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	20.00
Barricade, Type III, High Intensity, Lighted, Furn & Oper	Ea	4.00
HMA, Any Thickness, Rem	Syd	62.00
Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	56.00
Conc, Curb or Curb & Gutter, All Types	Ft	56.00
Speed Hump, Conc	Syd	62.00
Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	8.00
Rem Curing Compound, for Spec Mrkg	Sft	154.00
Turf Restoration	Syd	30.00



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SCALE
DRAWING No. 2024004-30
30 - SUBSET COVER SHEET
GRANDVIEW DR. TRAFFIC CALMING