



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING/RESTORATION PROJECT - 2020

ITB No. BID NO FILE No. 2020-004

NOTES:

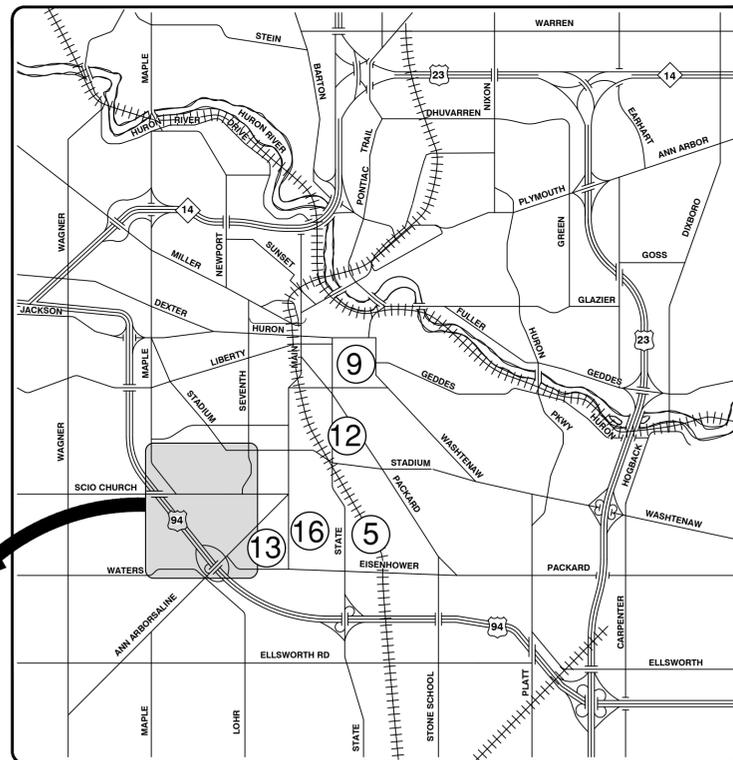
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY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

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

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

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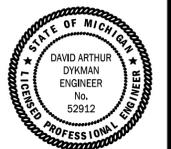


VICINITY MAP

PREPARED UNDER THE SUPERVISION OF

David Arthur Dykman
DAVID ARTHUR DYKMAN, P.E. - MI LICENSE No. 52912
PROJECT MANAGER

03 / 05 / 2020
DATE



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
STREET RESURFACING/RESTORATION
PROJECT - 2020
COVER SHEET

SCALE: NTS
DRAWING No.
2020-004-1

SHEET No.
1 OF 98



REV.	DATE	DESCRIPTION
00	03/05/2020	BID SET
		DRAWN
		DAD
		CHECKED

GENERAL

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

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, CITY ORDINANCE CHAPTER 63, CITY OF ANN ARBOR STANDARDS DIVISION VII, 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, WITHIN FOUR (4) HOURS OF BEING SO ORDERED.
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 DUST PALLIATIVE AS REQUIRED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

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

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

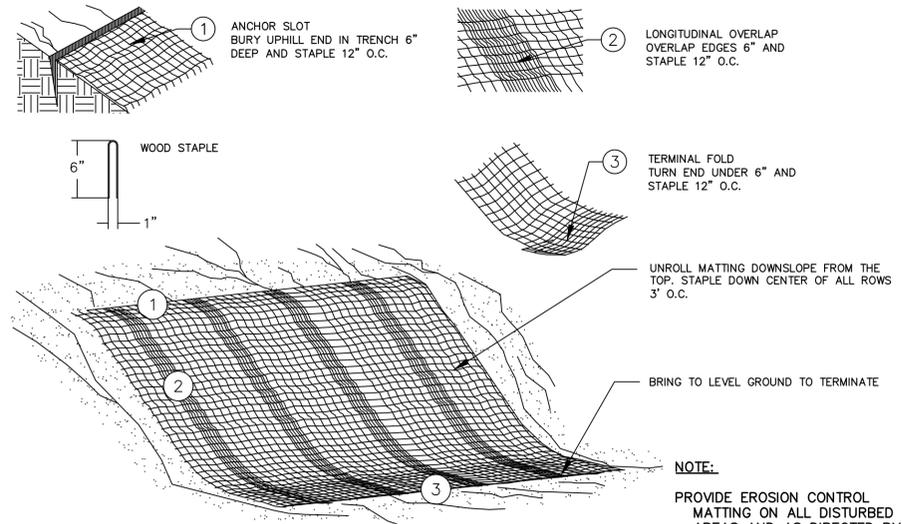
- 1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- 1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- 1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.

- 1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- 1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- 1.6. COMPLETE ALL BIORETENTION GRADING AND FINE GRADING.
- 1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- 1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- 1.9. CLEAN OUT STORM SEWER SYSTEMS.
- 1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

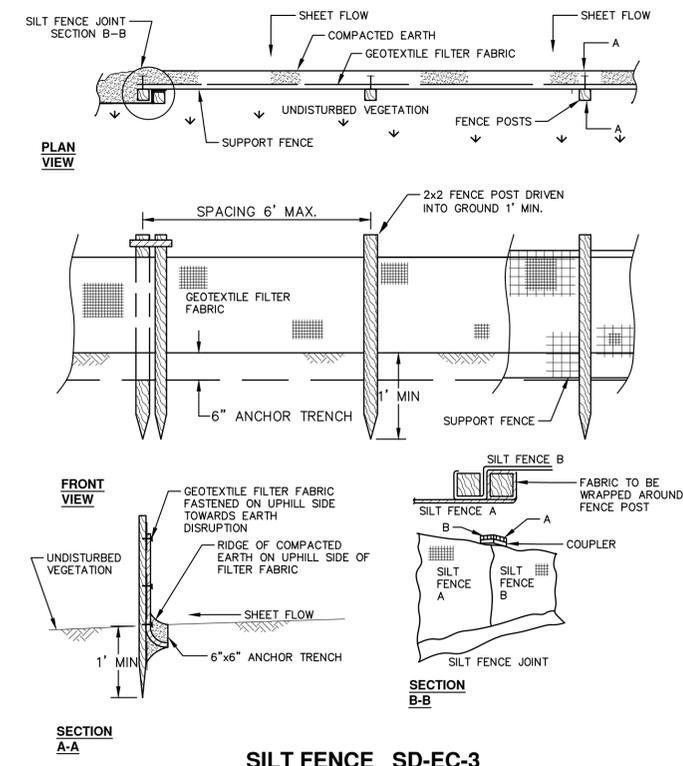
NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT,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

TEMPORARY SEEDING:

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



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



SILT FENCE SD-EC-3

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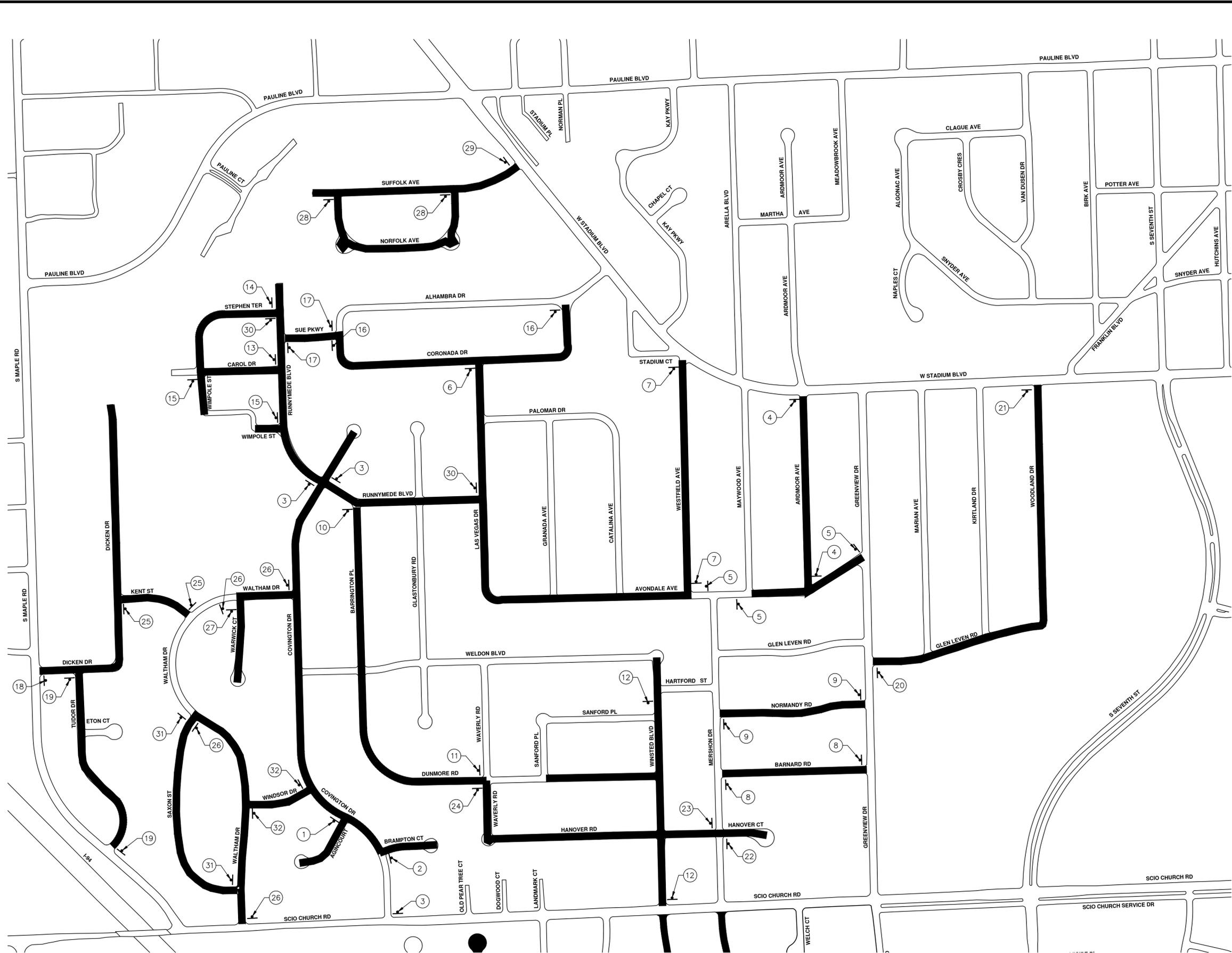
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING/RESTORATION
PROJECT - 2020
 NOTES & MISCELLANEOUS QUANTITIES

SCALE: NTS
 DRAWING No. 2020-004-2
 SHEET No.



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
		W20-1 36x36	1
1		D3-1	1
2		D3-1	1
3		D3-1	1
4		D3-1	1
5		D3-1	1
6		D3-1	1
7		D3-1	1
8		D3-1	1
9		D3-1	1
10		D3-1	1
11		D3-1	1
12		D3-1	1
13		D3-1	1
14		D3-1	1
15		D3-1	1
16		D3-1	1
17		D3-1	1
18		D3-1	1
19		D3-1	1
20		D3-1	1
21		D3-1	1
22		D3-1	1
23		D3-1	1
24		D3-1	1
25		D3-1	1
26		D3-1	1
27		D3-1	1
28		D3-1	1
29		D3-1	1
30		D3-1	1
31		D3-1	1
32		D3-1	1

CONSTRUCTION NOTES:
 PLACE APPLICABLE D3-1 SIGN IN ADVANCE
 OF WORK PERFORMED ON EACH STREET
 PRIOR TO WORK BEGINNING.

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 STREET RESURFACING/RESTORATION PROJECT - 2020

SCALE PLAN: 1" = 250'

DRAWING No. 2020-004-6

SHEET No. 6 OF 98

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

CITY OF ANN ARBOR
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LOCAL STREET TRAFFIC CONTROL-1

REV.	DATE	DESCRIPTION	DRAWN	CHECKED
00	03/05/2020		GS/CE	DAD



TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-1 36x36	1	
33	D3-1	1	
34	D3-1	1	
35	D3-1	1	
36	D3-1	1	
37	D3-1	1	
38	D3-1	1	
39	D3-1	1	
40	D3-1	1	
41	D3-1	1	
42	D3-1	1	
43	D3-1	1	
44	D3-1	1	

CONSTRUCTION NOTES:
 PLACE APPLICABLE D3-1 SIGN IN ADVANCE
 OF WORK PERFORMED ON EACH STREET
 PRIOR TO WORK BEGINNING.

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020

SCALE PLAN: 1" = 250'

DRAWING No. **2020-004-7**

SHEET No. **7 OF 98**

LOCAL STREET TRAFFIC CONTROL-2

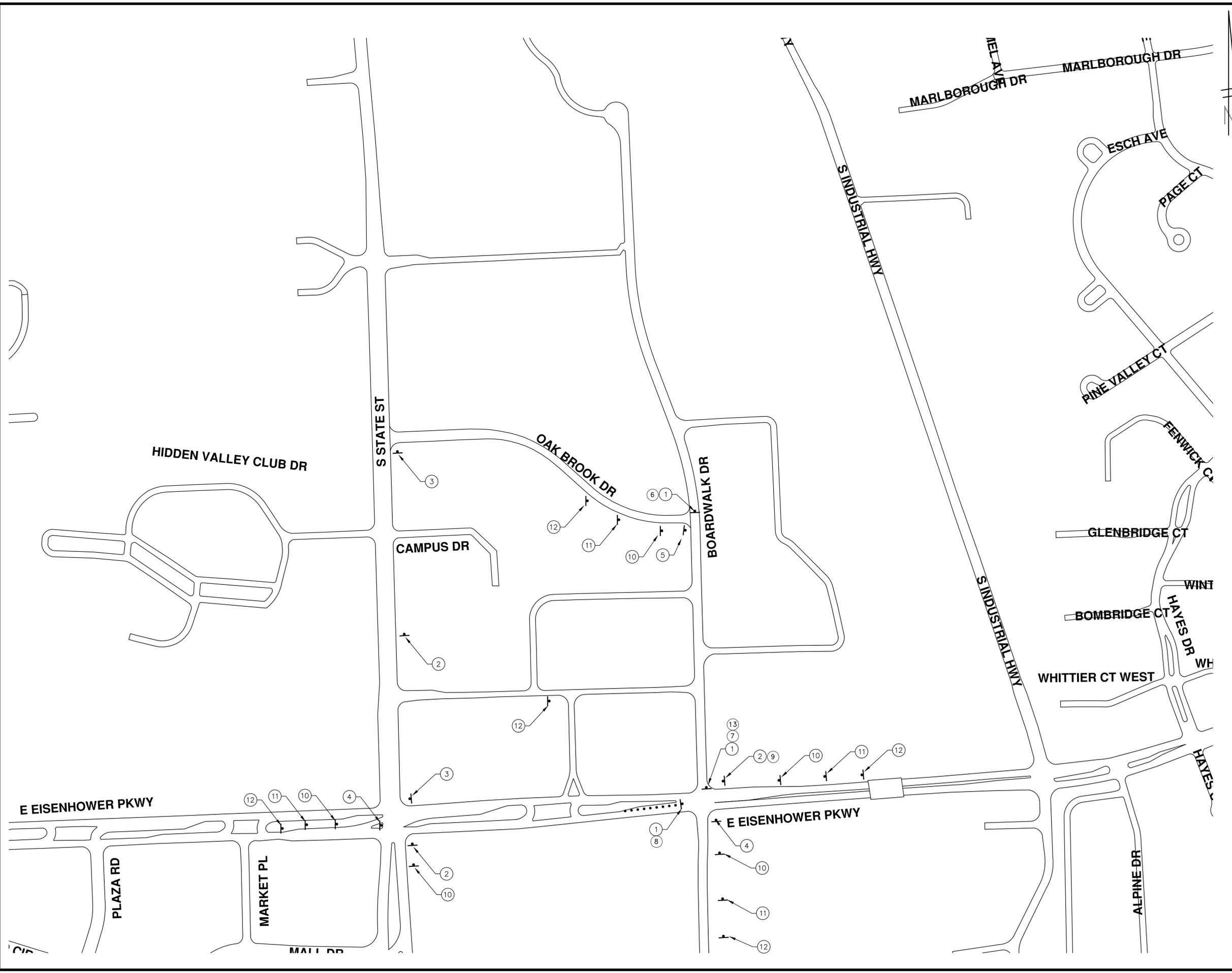
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TRAFFIC CONTROL SIGN		
TAG	SIGN	NUM.
1		D3-1 TYPE III BARRICADE
2		D3-1 M4-9S 30x24
3		D3-1 M4-9R 30x24
4		D3-1 M4-9L (MOD.) 30x24
5		D3-1 M4-8a 24x18
6		R11-4 60x30
7		R11-2 48x30
8		R3-2 24"x24"
9		R3-1 24"x24"
10	 W20-2 36"x36"	 D3-1
11	 W20-3 36"x36"	 D3-1
12	 W20-1 36"x36"	 D3-1
13		M4-10L

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 STREET RESURFACING/RESTORATION PROJECT - 2020
 BOARDWALK DRIVE
 DETOUR PLAN

SCALE PLAN: Custom
 DRAWING No. 2020-004-9

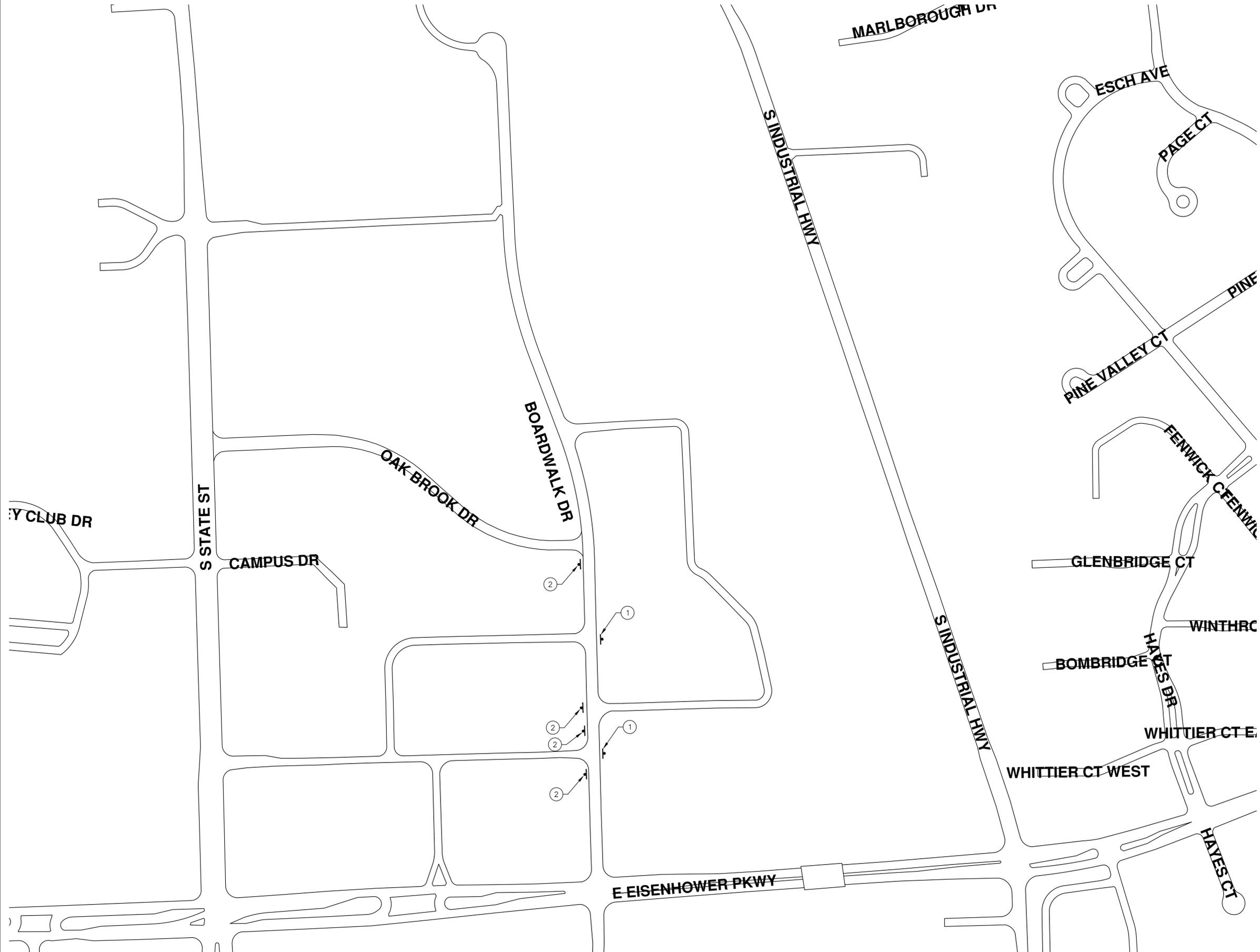
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SHEET No. **9 OF 98**

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TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		36"x12"	2
②		36"x12"	4



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 SCALE PLAN: Custom
 DRAWING No. 2020-004-10

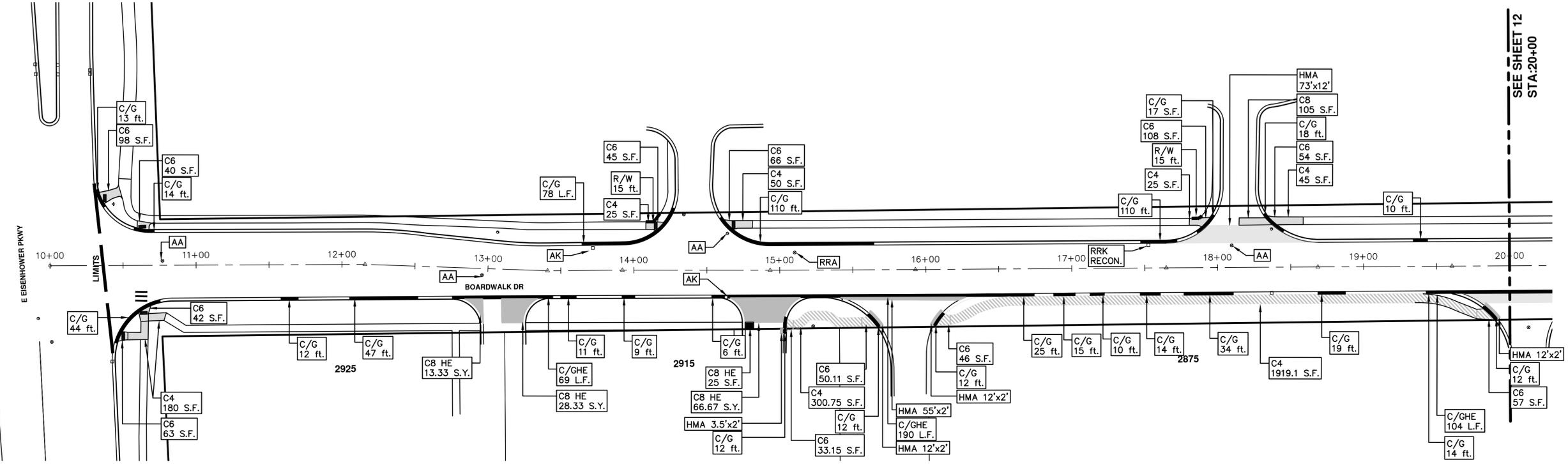
STREET RESURFACING/RESTORATION PROJECT - 2020
 BOARDWALK DRIVE
 TRAFFIC CONTROL

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SEE SHEET 12
STA: 20+00



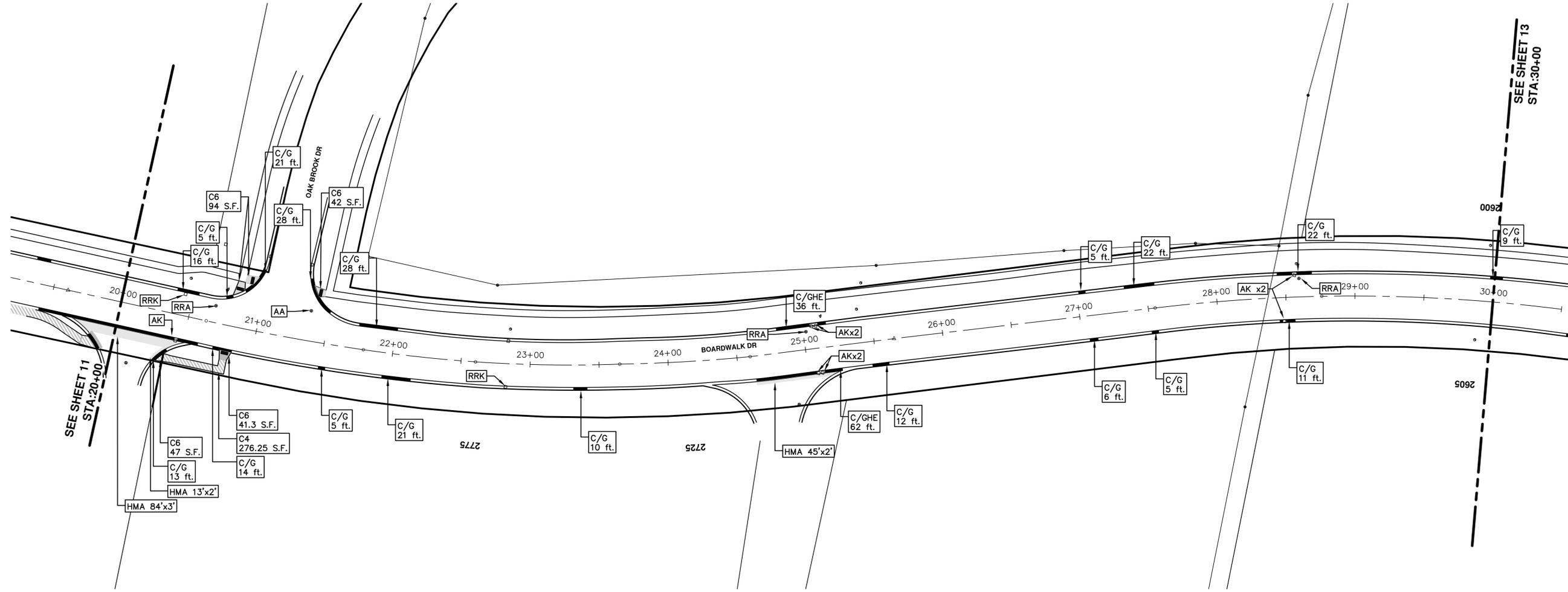
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REV.	DESCRIPTION
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SEE SHEET 11
STA:20+00

SEE SHEET 13
STA:30+00

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
SCALE PLAN: 1"=40'
DRAWING No. 2020-004-12

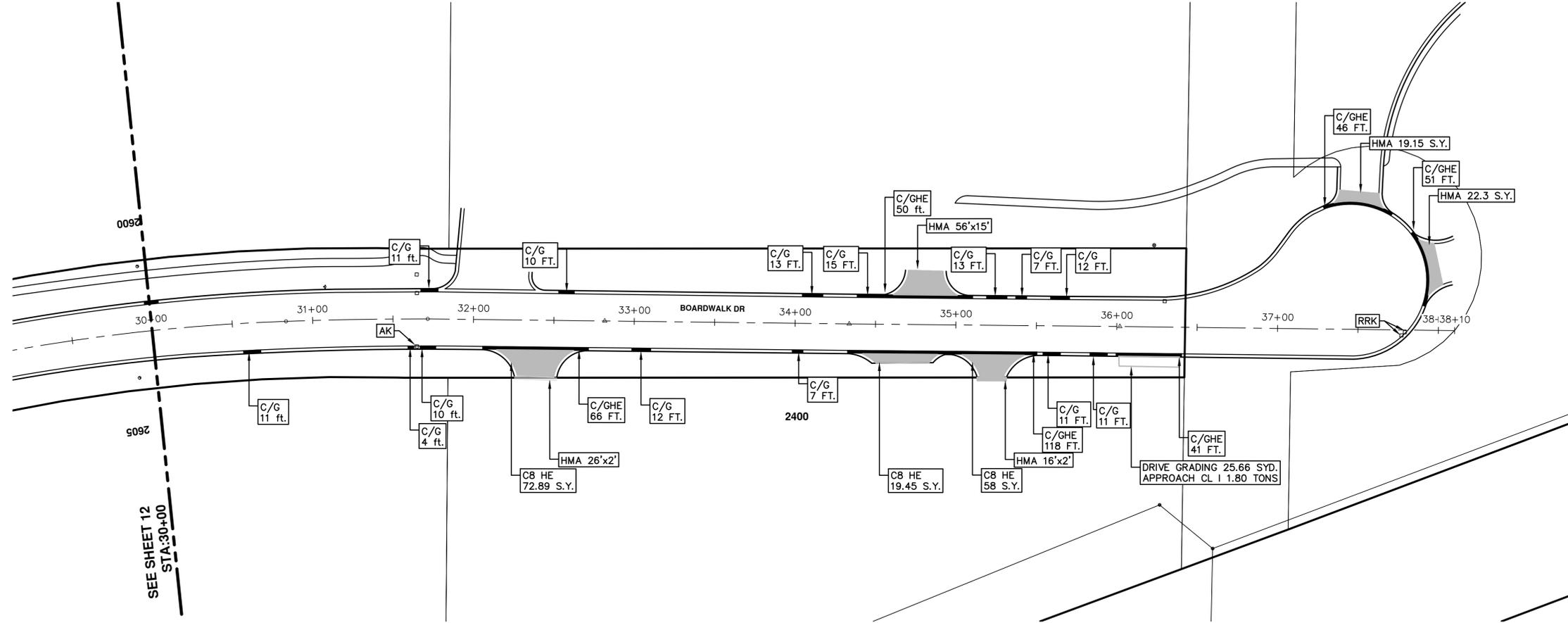
STREET RESURFACING/RESTORATION PROJECT - 2020
BOARDWALK DRIVE
STA. 20+00 - STA. 30+00



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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SEE SHEET 12
STA. 30+00

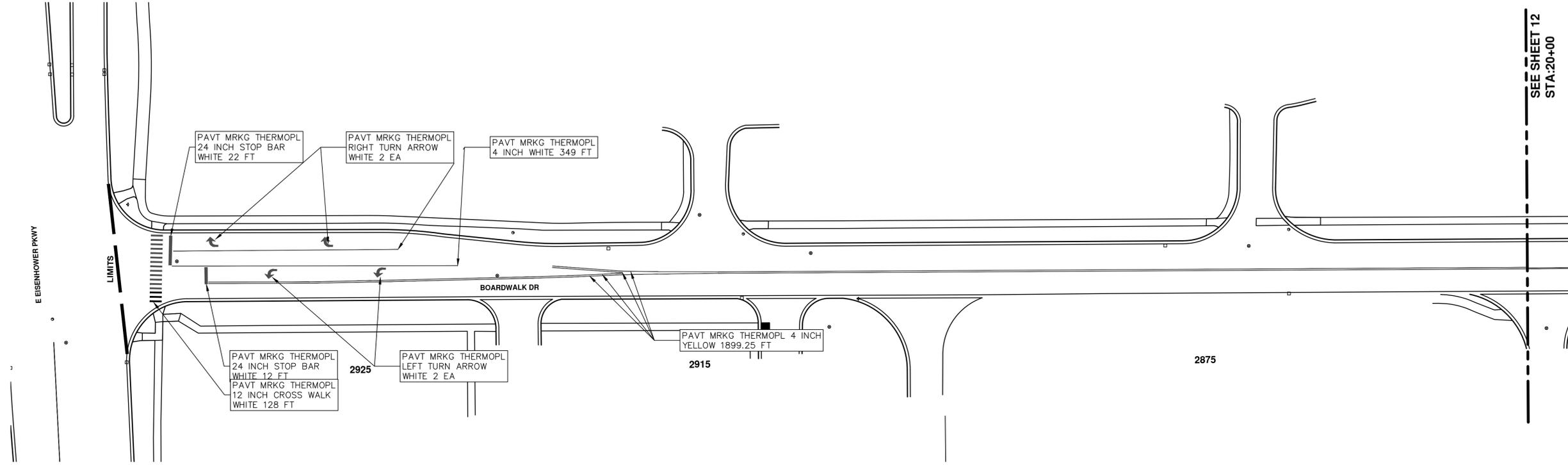


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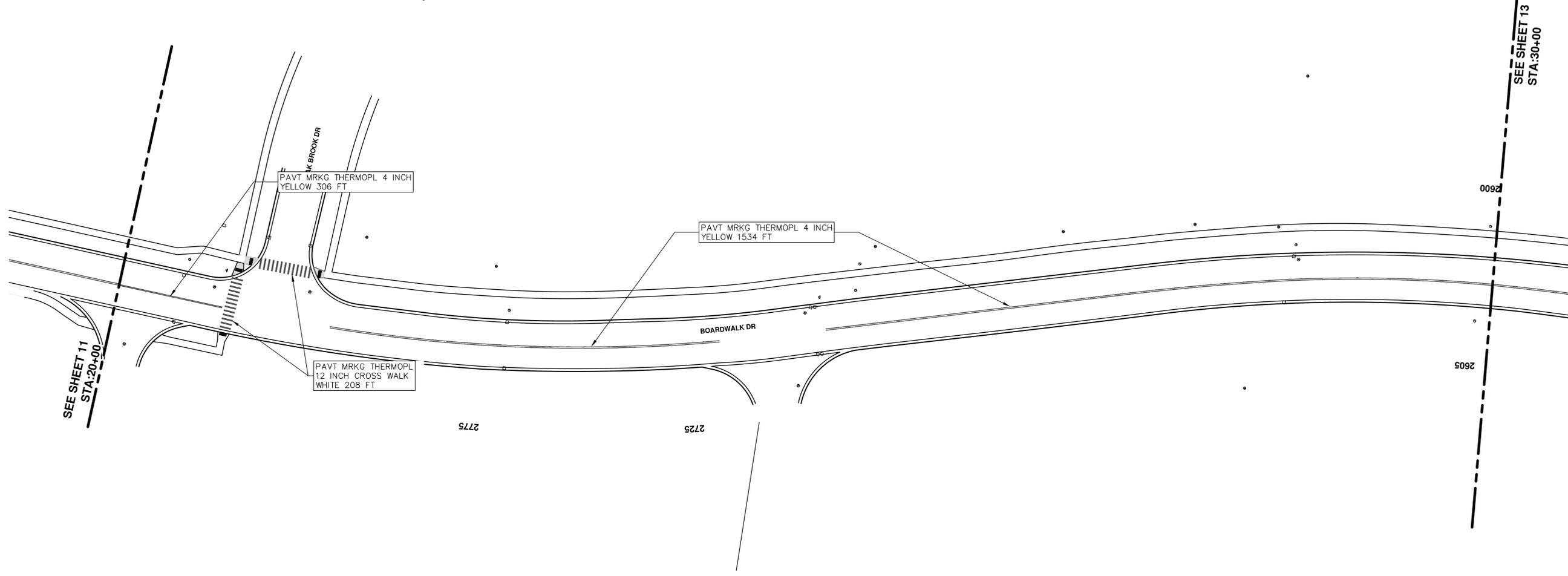




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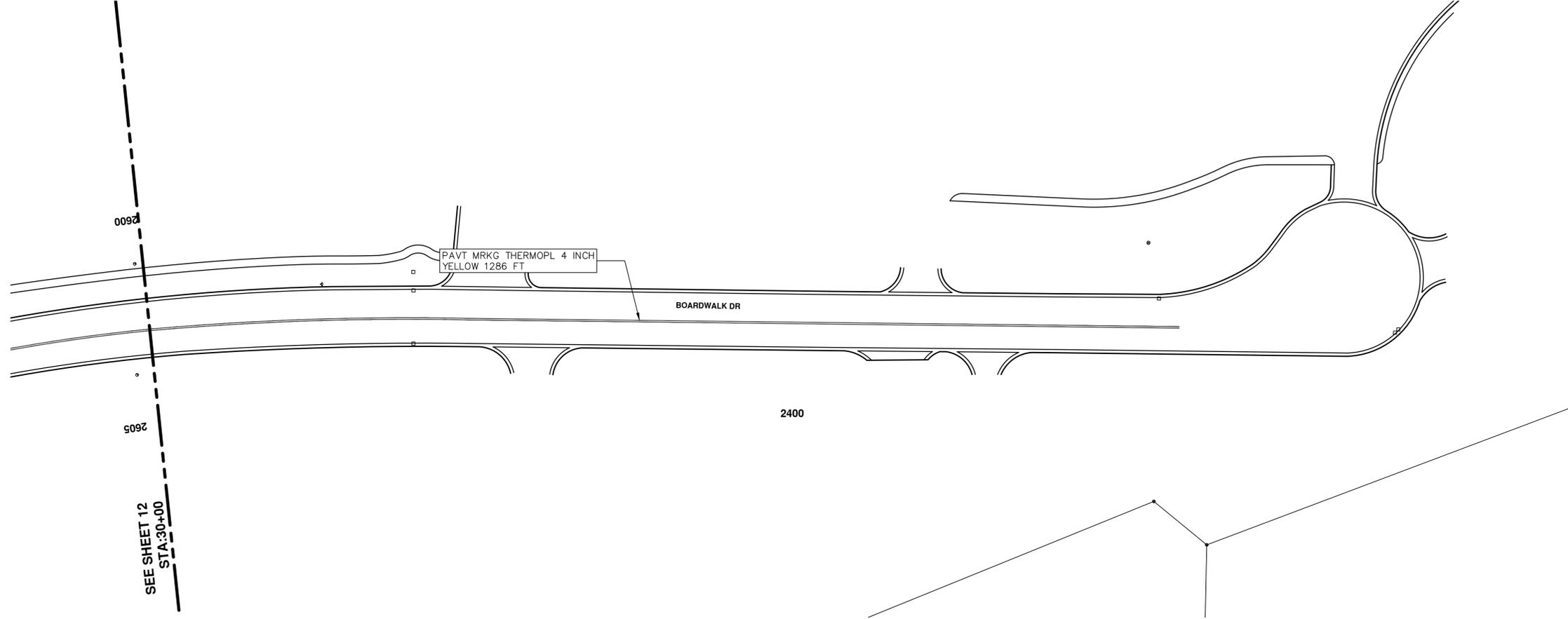
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TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	BARRICADE TYPE III HIGH INTENSITY LIGHTED	6	
	D3-1	1	
	M4-8a 24x18	1	
	D3-1	6	
	M4-9S 30x24	6	
	D3-1	2	
	M4-9R 30x24	2	
	D3-1	1	
	M4-9L (MOD.) 30x24	1	
	D3-1	0	
	M4-9R (MOD.) 30x24	0	
	D3-1	1	
	M4-9L (MOD.) 30x24	1	
	M4-10R 48x18	1	
	M4-10L 48x18	1	
	36"x12" R6-1R	0	
	36"x12" R6-1L	0	
	R3-2 24"x24"	1	
	R3-1 24"x24"	2	
	R11-2 48x30	2	
	R11-4 60x30	0	
	G20-2 48"x24"	6	
	W20-1 36x36	6	
	W20-2 36x36	6	
	W20-3 36x36	6	
	W20-5R 36"x36"	0	
	W4-2R 36"x36"	1	

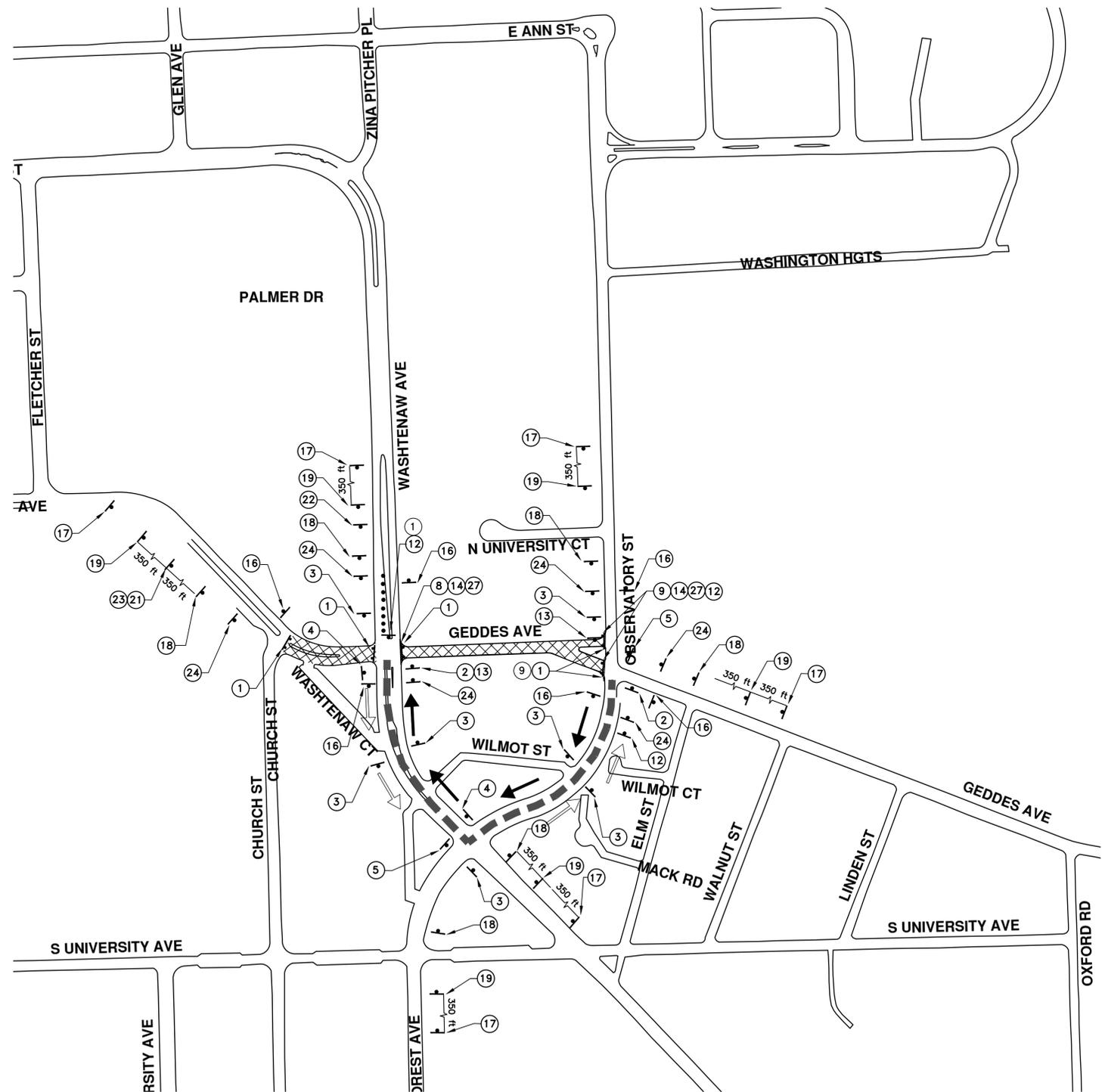
DETOUR CONSTRUCTION NOTES:

1. DEPENDING ON THE DETOUR ROUTES THAT ARE PUT IN PLACE, CONFLICTING SIGNS MAY BE PRESENT. PRIOR TO THE ORDERING OR PLACEMENT OF ANY SIGNS, MEET WITH THE ENGINEER TO VERIFY THE EXACT NUMBER AND LOCATION OF THE SIGNS TO BE PLACED. THE ENGINEER AND THE CONTRACTOR SHALL WORK TOGETHER TO ELIMINATE ALL CONFLICTS.
2. THE CITY RESERVES THE RIGHT TO ORDER ADDITIONAL SIGNS AND PLACE THEM INTO SERVICE IN ORDER TO SAFELY MAINTAIN TRAFFIC. ADJUSTMENTS IN THE UNIT PRICE FOR THESE ITEMS OF WORK SHALL NOT BE ALLOWED FOR THESE OCCURRENCES.
3. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THOSE OF THE CITY OF ANN ARBOR'S SIGNS AND SIGNALS UNIT DURING THE COURSE OF THE DETOUR ROUTE ESTABLISHMENT TO EFFECTIVELY AND SAFELY MAINTAIN TRAFFIC. DO NOT ERECT ANY SIGNS UNTIL ITS LOCATION AND PROPOSED DATE OF INSTALLATION IS APPROVED BY THE ENGINEER.
4. THIS DETOUR IS TO BE IN PLACE DURING GEDDES AVE. CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL CLOSE AND DETOUR EAST AND WEST BOUND GEDDES AVE. TRAFFIC. SEE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR DETAILS ON CONSTRUCTION STAGING, SEQUENCING, CLOSURE AND DETOUR LIMITATIONS, AND OTHER DETAILS.
5. REFERENCE THE "DETAILED SPECIFICATION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR 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 THE SEVERAL DETOUR ROUTE MODIFICATIONS AND THE MODIFICATIONS TO TRAFFIC SIGNALS FOR THE DETOUR.
6. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN SIGNS AS SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
7. CONSTRUCTION WARNING SIGNS SHALL HAVE AN ORANGE, HIGH-INTENSITY, REFLECTORIZED BACKGROUND.
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" OR "SIGN, TYPE B, TEMP, PRISMATIC, FURN, SPECIAL".

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-5L 36"x36"	1	
	R5-18C 48"x48"	6	
	SPECIAL 48x66	3	
	SPECIAL 48x66	3	
	R5-1 36x36	3	
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	

LEGEND:

- EAST BOUND GEDDES AVE DETOUR ROUTE
- WEST BOUND GEDDES AVE DETOUR ROUTE
- GEDDES AVE WORK ZONE



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DATE

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REV.

03/05/2020
DATE

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CITY OF ANN ARBOR
MICHIGAN

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

STREET RESURFACING/RESTORATION

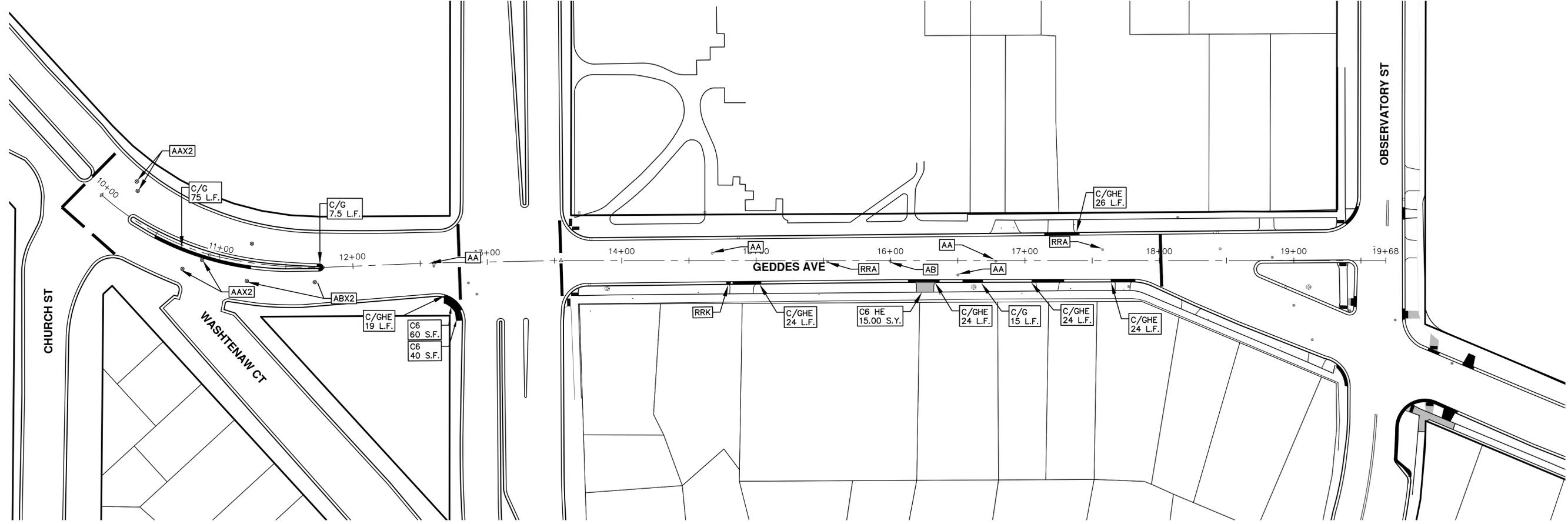
PROJECT - 2020
GEDDES AVENUE
DETOUR PLAN

SCALE

DRAWING No.
2020-004-18

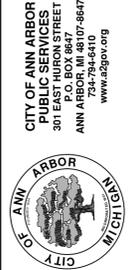
SHEET No.
18 OF 98

I:\2020004\Plan Production\Major Streets\2020004 - Geddes Ave.dwg Dwg Created: 5-Mar-20 - _c2_standard bw.stb - Plot Date: 5-Mar-20



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 SCALE PLAN: 1"=40'
 DRAWING No. 2020-004-19

STREET RESURFACING/RESTORATION
 PROJECT - 2020
 GEDDES AVENUE
 STA. 10+00 - STA. 19+68

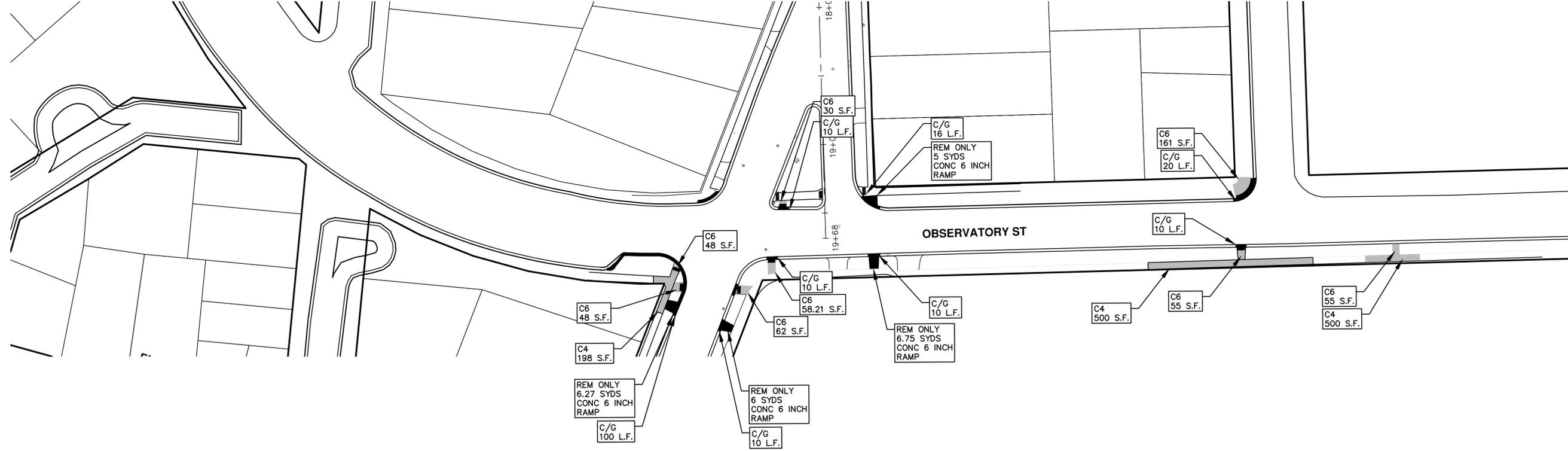


REV.	DESCRIPTION
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DATE	DRAWN	CHECKED
03/05/2020	GS:CE	DAD



T:\2020004\Plan Production\Major Streets\2020004 - Geddes Ave.dwg Dwg Created: 5-Mar-20 - _c2_standard bw.stb - Plot Date: 5-Mar-20



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 SCALE PLAN: Custom
 DRAWING No.
 2020-004-20

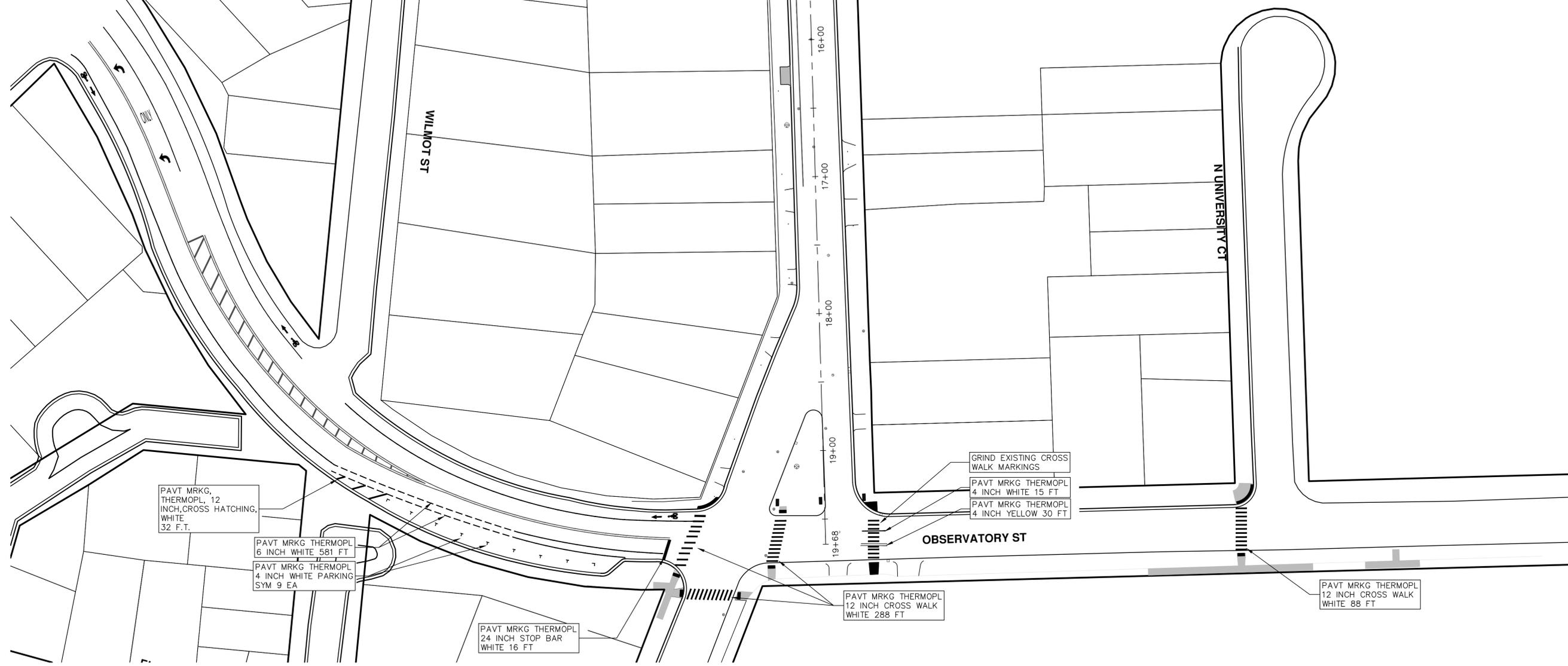
**STREET RESURFACING/RESTORATION
 PROJECT - 2020**
 GEDDES AVENUE
 STA. 15+50 - STA. 20+50



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GS:CE	DAD

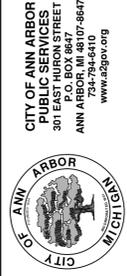




REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GSLCE	DAD



TRAFFIC CONTROL SIGN		
TAG	SIGN	NUM.
1	 GRANGER AVE DETOUR ↑	D3-1 M4-9S 30x24
2	 GRANGER AVE DETOUR →	D3-1 M4-9R 30x24
3	 GRANGER AVE DETOUR ←	D3-1 M4-9L 30x24
4	 GRANGER AVE DETOUR ENDS	D3-1 M4-8a 24x18
5	 DETOUR AHEAD W20-2 36"x36" GRANGER AVE D3-1	
6	 ROAD CLOSED AHEAD W20-3 36"x36" GRANGER AVE D3-1	
7	 ROAD WORK AHEAD W20-1 36"x36" GRANGER AVE D3-1	

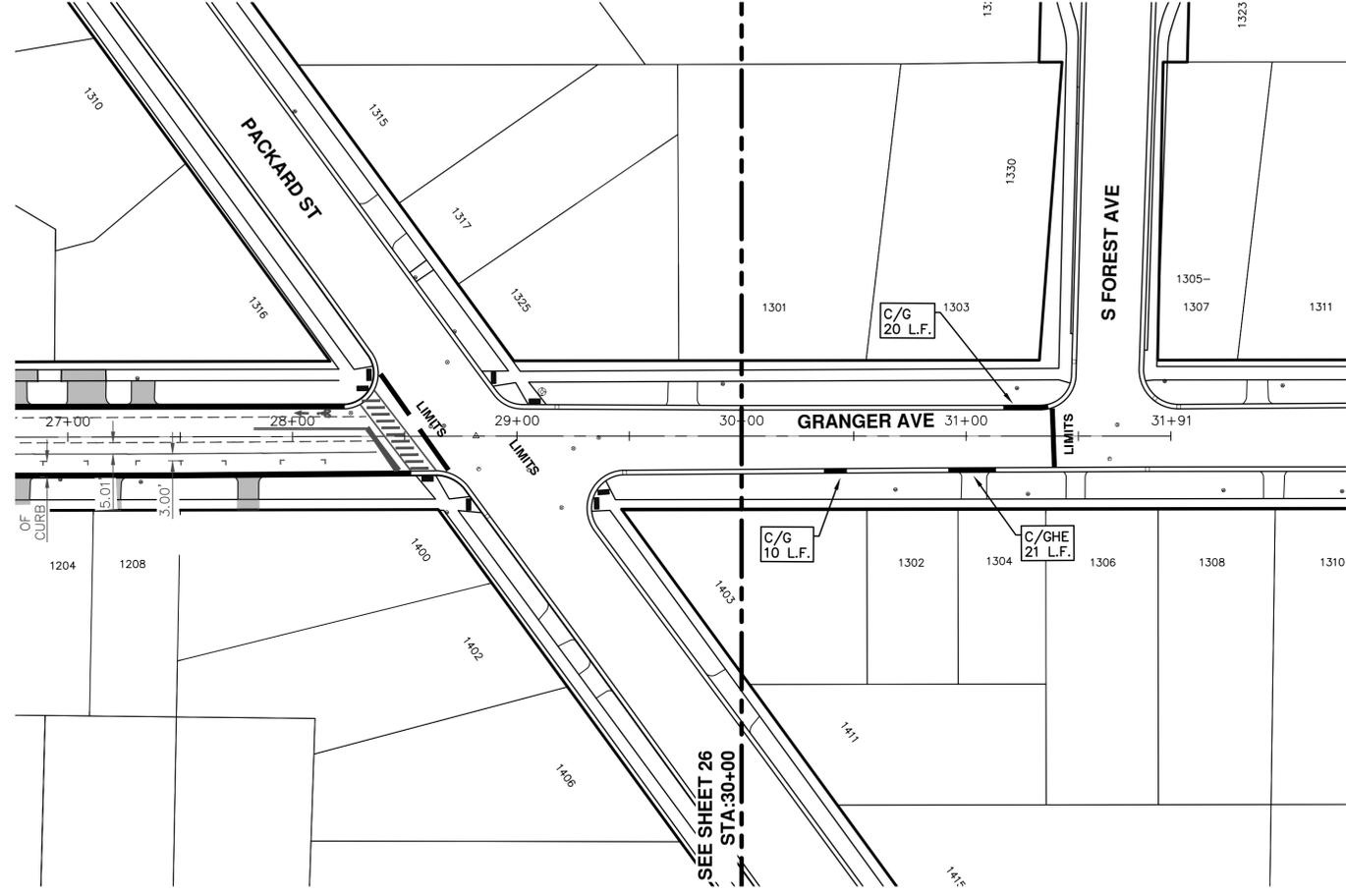


ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2020
GRANGER AVE
DETOUR PLAN

SCALE PLAN: Custom
 DRAWING No. 2020-004-24

REV.	DATE	DESCRIPTION
00	03/05/2020	DRAWN
		CHECKED

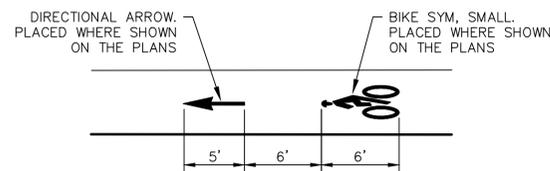
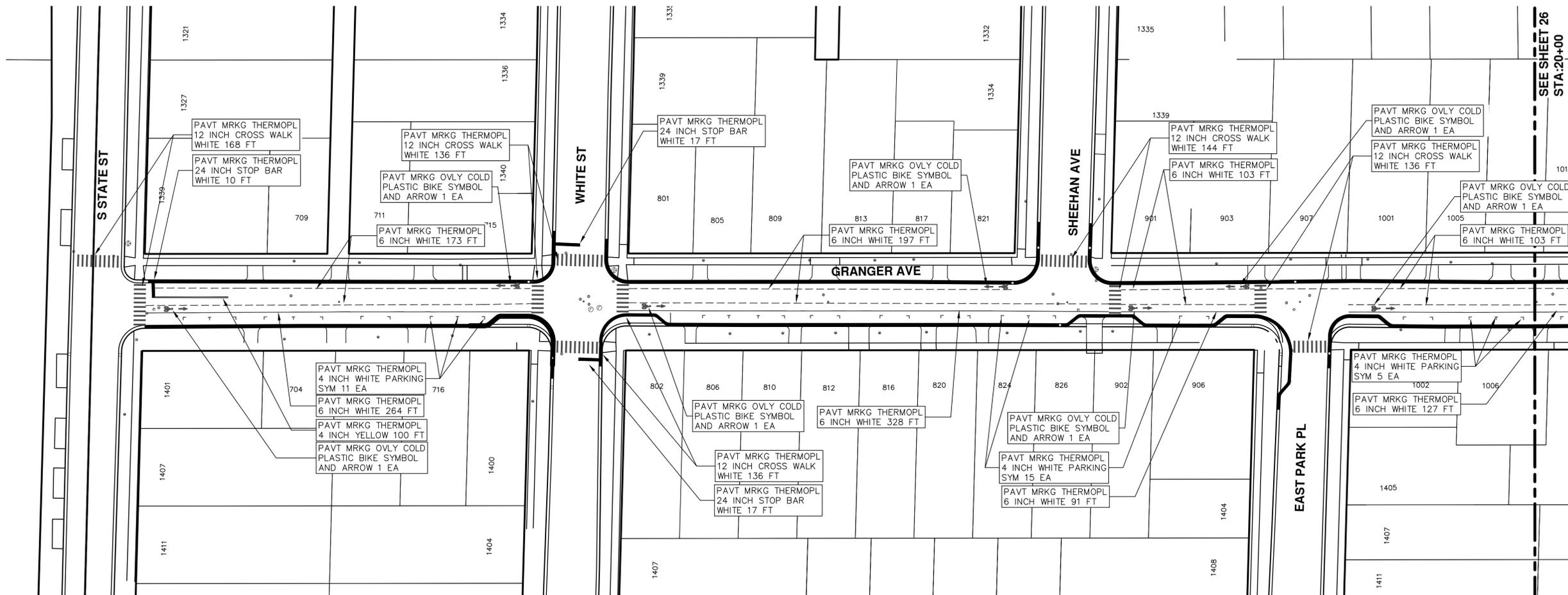




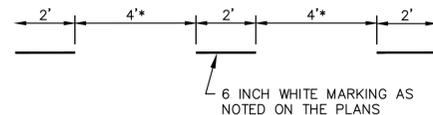
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00	BID SET	03/05/2020	GS/CE	DAD



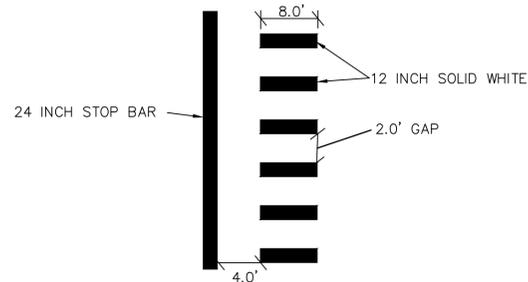
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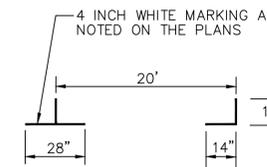
**BIKE SYMBOL
DETAIL**



DOTTED LINE DETAIL
* NOTE FOR BROKEN LINE, USE 6' GAPS.



STOP BAR AND CROSSWALK DETAIL



PARKING DETAIL



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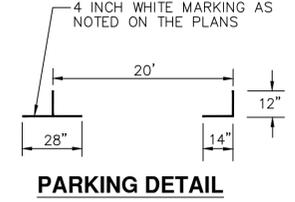
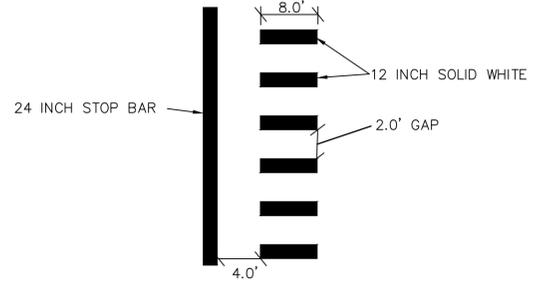
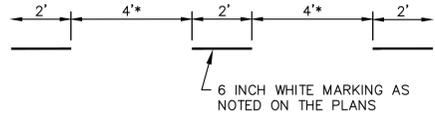
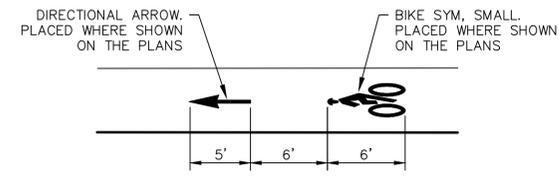
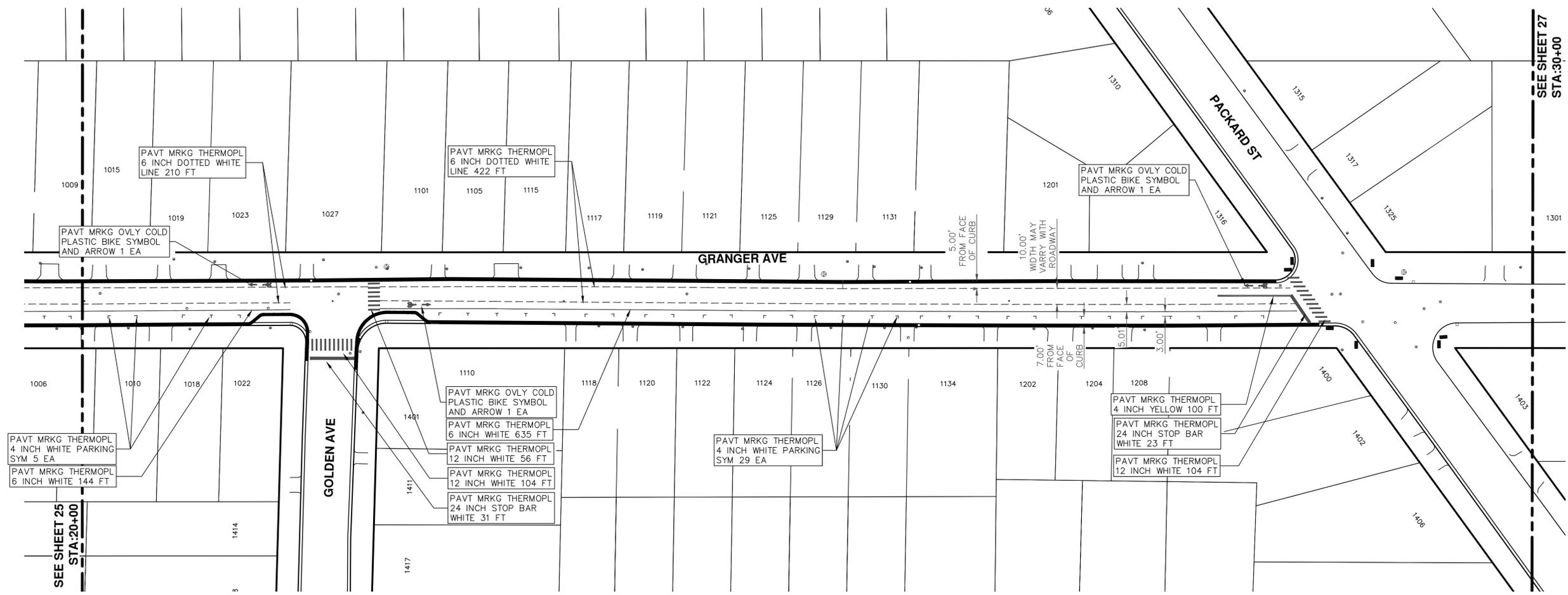
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
GRANGER AVE
STA. 10+00 - STA. 20+00 PAVT MRKG

SCALE PLAN: 1"=40'
DRAWING No. 2020-004-28

SHEET No.

REV.	DATE	DESCRIPTION	BY	CHECKED
00	03/05/2020	BID SET	GS:CE	DAD
			DRAWN	CHECKED

T:\2020004\Plan Production\Major Streets\2020004 - Granger Avenue.dwg Dwg Created: 5-Mar-20 - a2 standard bw.stb - Plot Date: 5-Mar-20



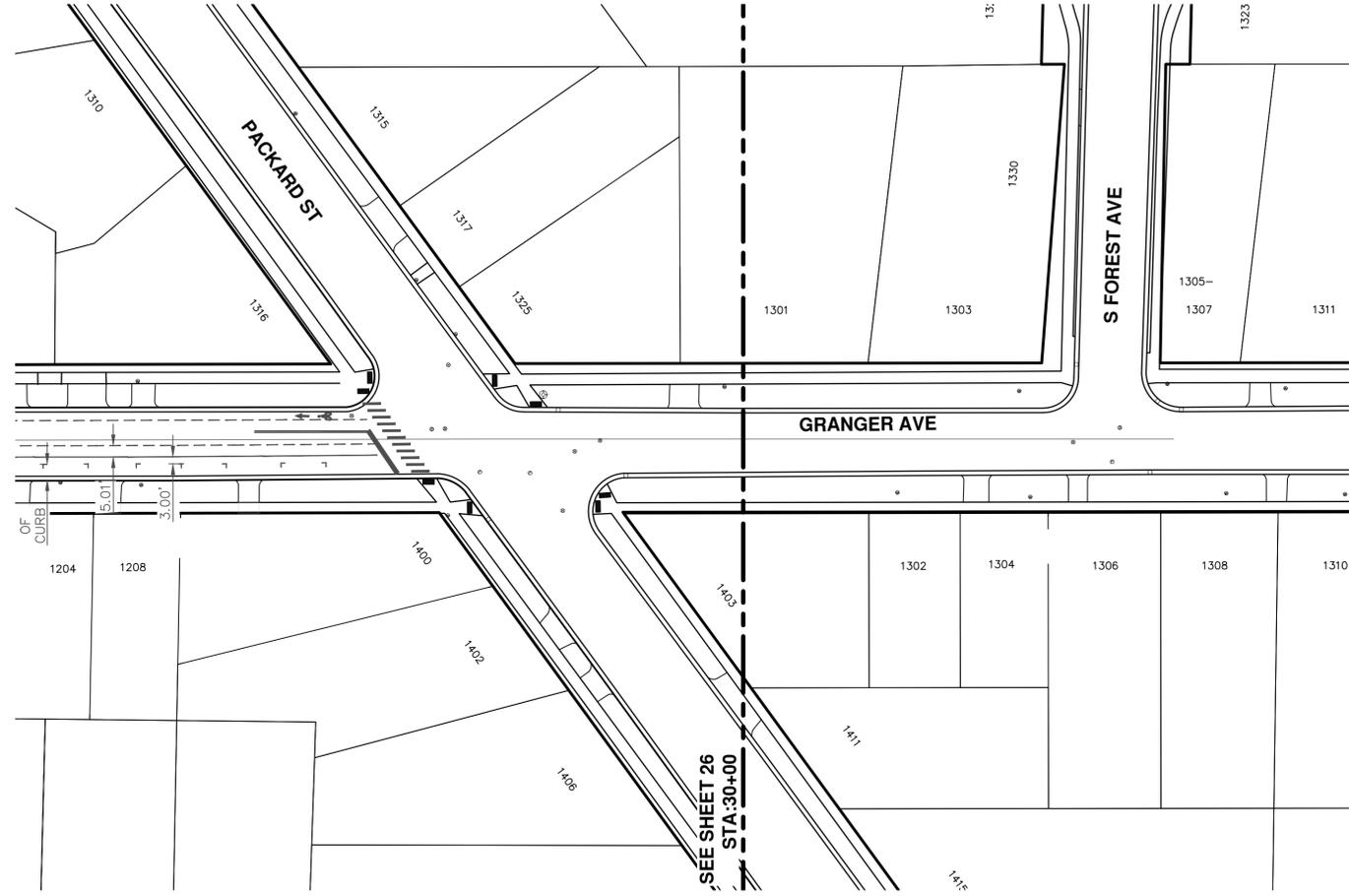
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GS:CE	DAD

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STREET RESURFACING/RESTORATION PROJECT - 2020
 GRANGER AVE
 STA. 20+00 - STA. 30+00 PAVT MRKG

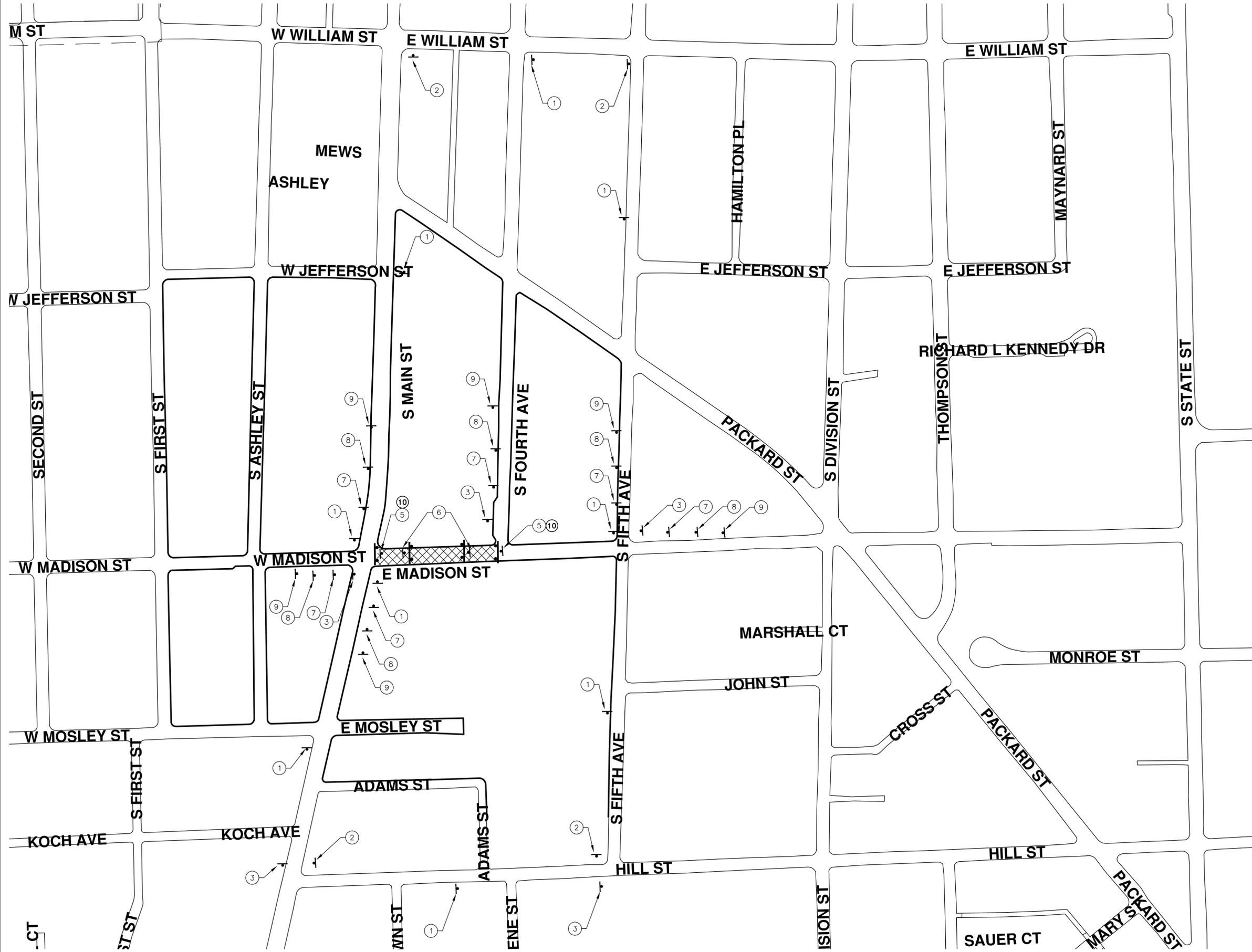
SHEET No. **29 OF 98**
 SCALE PLAN: 1"=40'
 DRAWING No. 2020-004-29



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GSLCE	DAD
01				
02				
03				



T:\2020004\Plan Production\Major Streets\2020004 - E Madison St.dwg Dwg Created: 5-Mar-20 - a2 standard bw.stb - Plot Date: 5-Mar-20



TRAFFIC CONTROL SIGN		
TAG	SIGN	NUM.
①		D3-1 M4-9S 30x24
②		D3-1 M4-9R 30x24
③		D3-1 M4-9L 30x24
④		D3-1 M4-8a 24x18
⑤		R11-4 60x30
⑥		R11-2 48x30
⑦		
⑧		
⑨		
⑩		R5-1 36x36



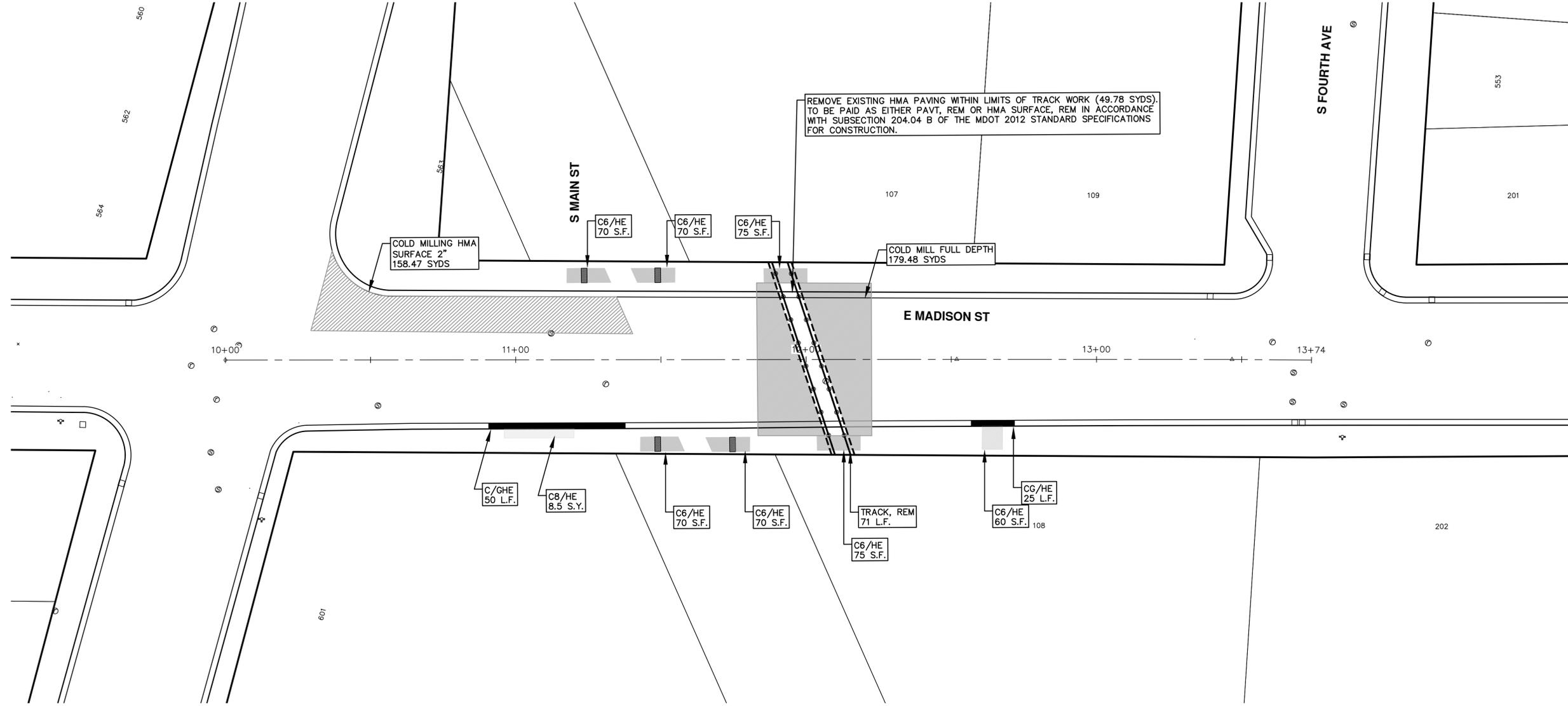
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 STREET RESURFACING/RESTORATION PROJECT - 2020
 E MADISON STREET
 DETOUR PLAN

SCALE PLAN: Custom
 DRAWING No. 2020-004-32



REV.	DATE	DRAWN	CHECKED	DESCRIPTION
00	03/05/2020	GS:CE	DAD	

T:\2020004\Plan Production\Major Streets\2020004 - E Madison St.dwg Dwg Created: 5-Mar-20 -- _a2 standard bw.stb -- Plot Date: 5-Mar-20

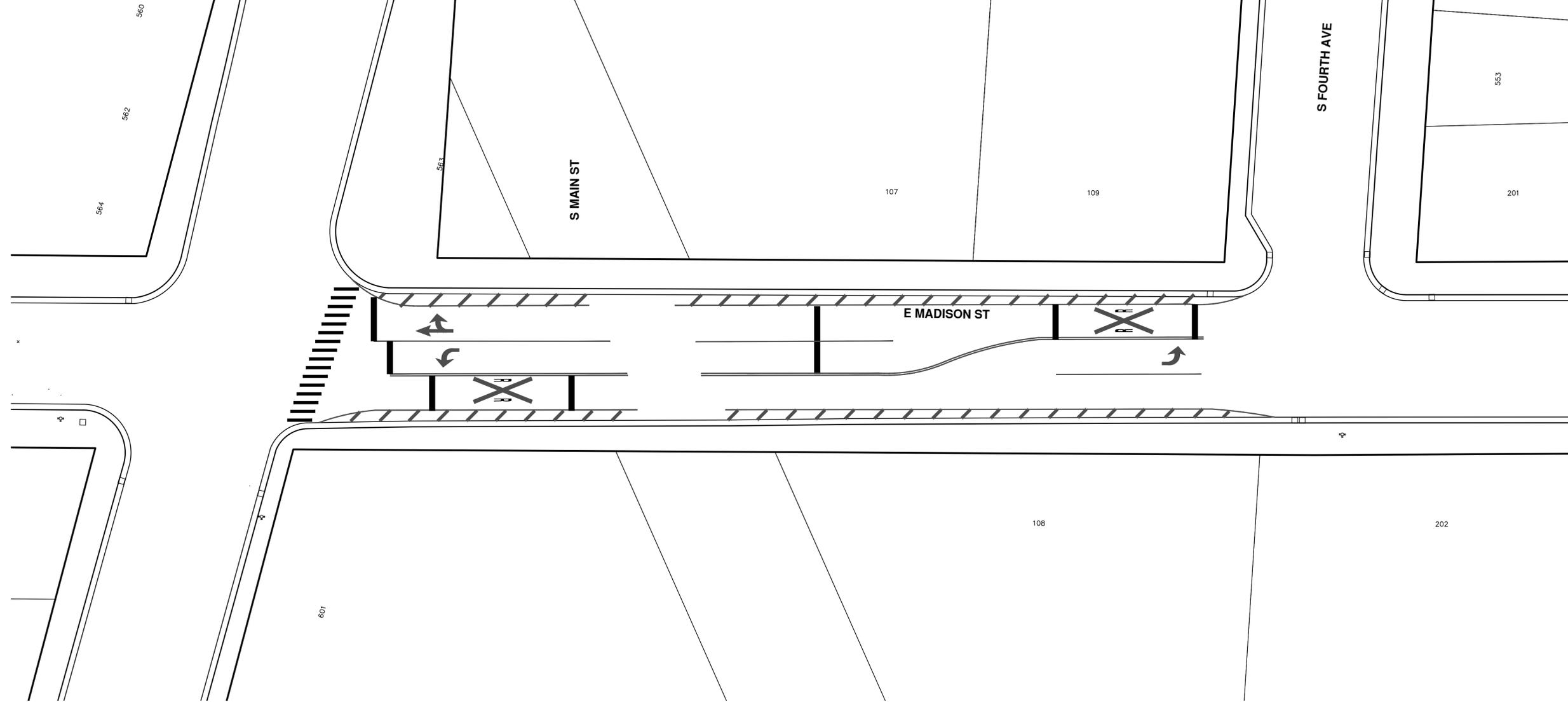


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00	BID SET

DATE	DRAWN	CHECKED
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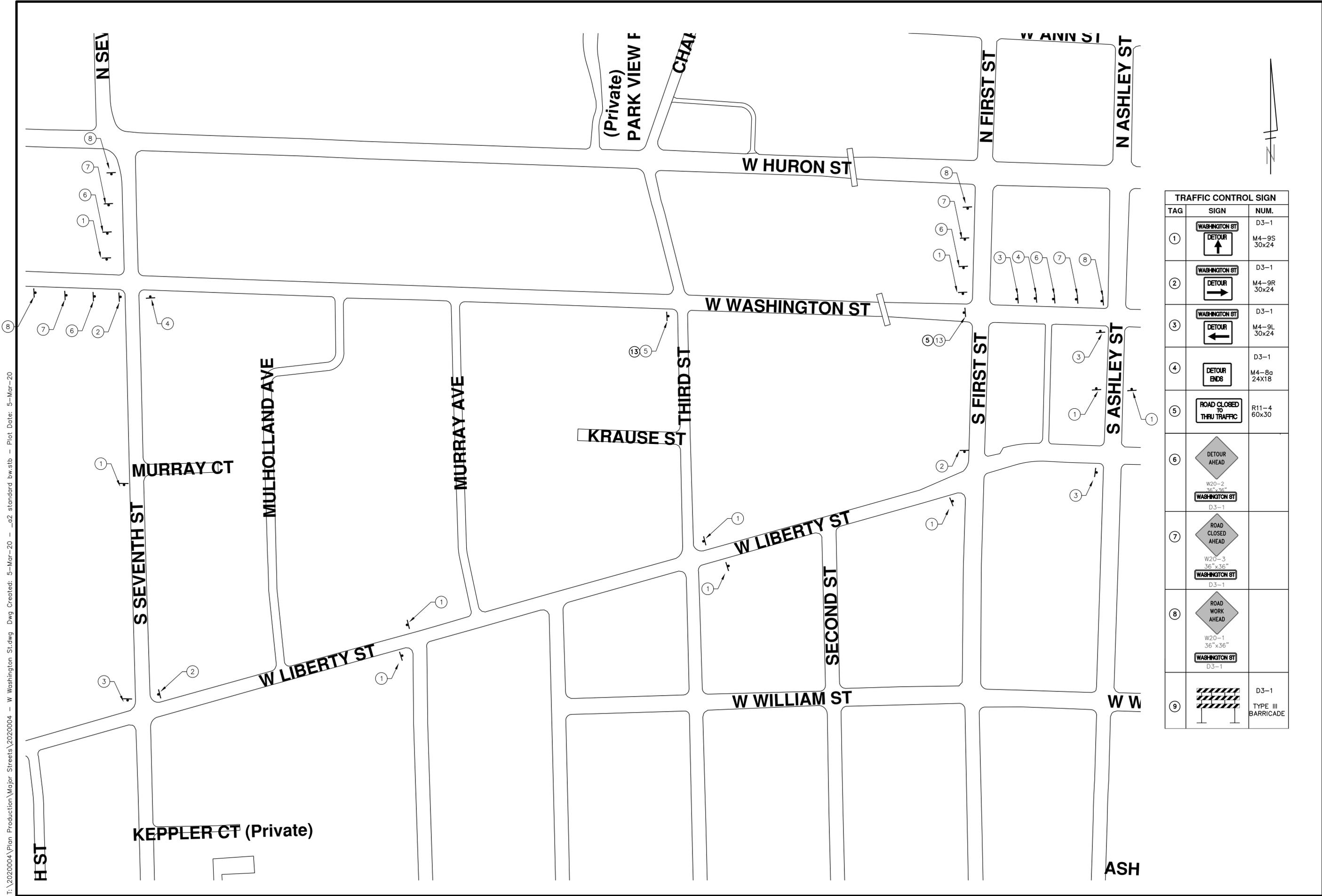
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ANN ARBOR 734-794-6410
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REV.	DESCRIPTION
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DATE	DRAWN	CHECKED
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T:\2020004\Plan Production\Major Streets\2020004 - W Washington St.dwg Dwg Created: 5-Mar-20 - _a2 standard bw.stb - Plot Date: 5-Mar-20



TRAFFIC CONTROL SIGN		
TAG	SIGN	NUM.
①		D3-1 M4-9S 30x24
②		D3-1 M4-9R 30x24
③		D3-1 M4-9L 30x24
④		D3-1 M4-8a 24x18
⑤		R11-4 60x30
⑥	 	D3-1
⑦	 	D3-1
⑧	 	D3-1
⑨		D3-1 TYPE III BARRICADE



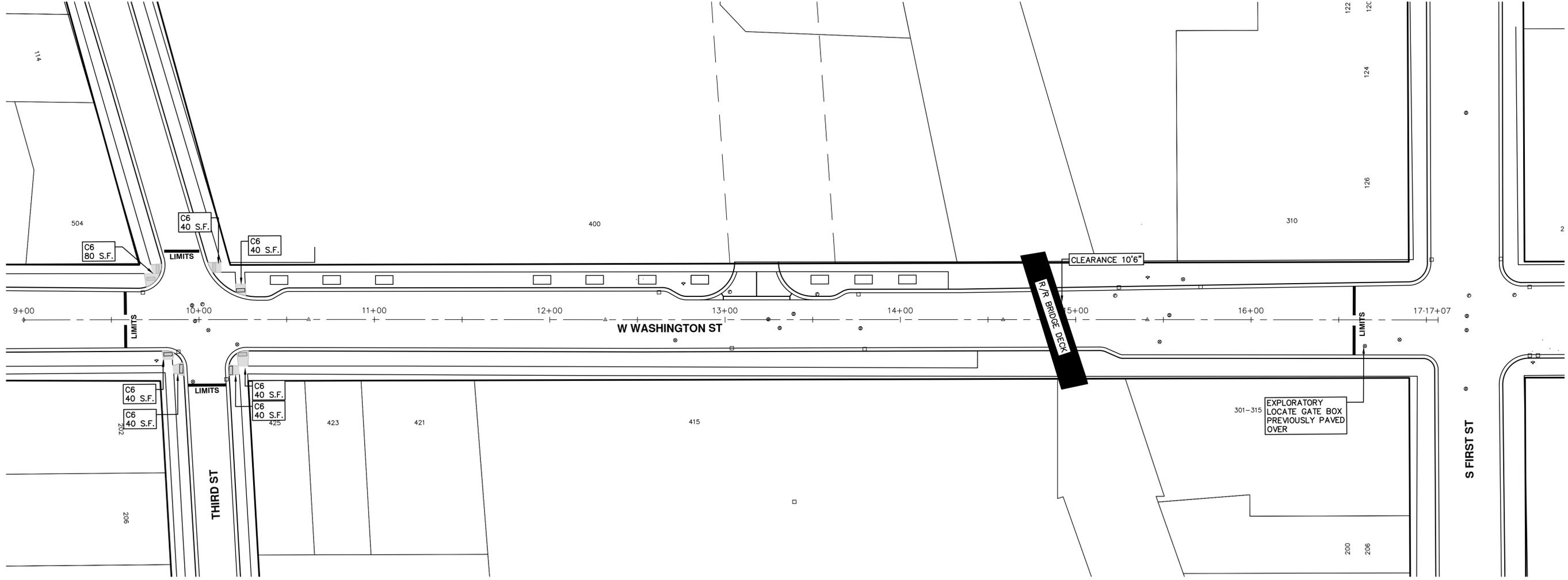
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 STREET RESURFACING/RESTORATION PROJECT - 2020
 W WASHINGTON STREET
 DETOUR PLAN

SCALE PLAN: Custom
 DRAWING No. 2020-004-36



REV	DATE	DESCRIPTION
00	03/05/2020	BID SET
		DRAWN
		CHECKED

T:\2020004\Plan Production\Major Streets\2020004 - W Washington St.dwg Dwg Created: 5-Mar-20 - a2 standard bw.stb - Plot Date: 5-Mar-20



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SOUTH MAIN STREET HMA PATH

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	98.330
2057011	_Grading, Sidewalk	Syd	16.556
2057011	_Grading, Sidewalk Ramp	Syd	98.222
2057021	_Subgrade Undercutting, Type IIA	Cyd	504.750
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	27.000
3057011	_Shared use Path, HMA Base Crushing and Shaping	Syd	5,766.220
8030030	Curb Ramp Opening, Conc	Ft	77.000
8037001	_Detectable Warning Surface, Modified	Ft	55.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	884.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	149.000
8060040	Shared use Path, HMA	Ton	1,110.560
8067031	_Shared use Path, HMA, Wedging	Ton	333.168
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	6.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	6.000
8120250	Plastic Drum, High Intensity, Furn	Ea	65.000
8120251	Plastic Drum, High Intensity, Oper	Ea	65.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	99.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	99.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	24.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	24.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	10.000
8127050	_Pedestrian Type II Channelizer, Temp	Ea	10.000
8167011	_Slope Restoration	Syd	3,786.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
6.0	*D3-1	Street Name Sign	4.000	24.000
11.0	W20-1	Road Work Ahead Sign	9.000	99.000
TOTAL				123.000

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
SOUTH MAIN STREET HMA PATH
SUBSET COVER SHEET

SCALE
DRAWING No.
2020-004-38

T:\2020004\Plan Production\Major Streets\2020004 - South Main Street HMA Path.dwg Dwg Created: 5-Mar-20 - _a2_standard.bw.stb - Plot Date: 5-Mar-20



LEGEND:
 PEDESTRIAN DETOUR ROUTE: [Arrow with walking figure]
 SIDEWALK CLOSURE: [Hatched pattern]

TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R9-11L 24"x12"	1
②		M4-9BT 30"x24"	1
③		M4-9BR 30"x24"	3
④		M4-9BL 30"x24"	3
⑤		TYPE II PEDESTRIAN BARRICADE	2
⑥		M4-8A 24"x18"	1
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	



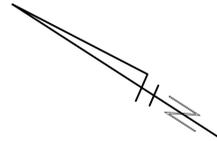
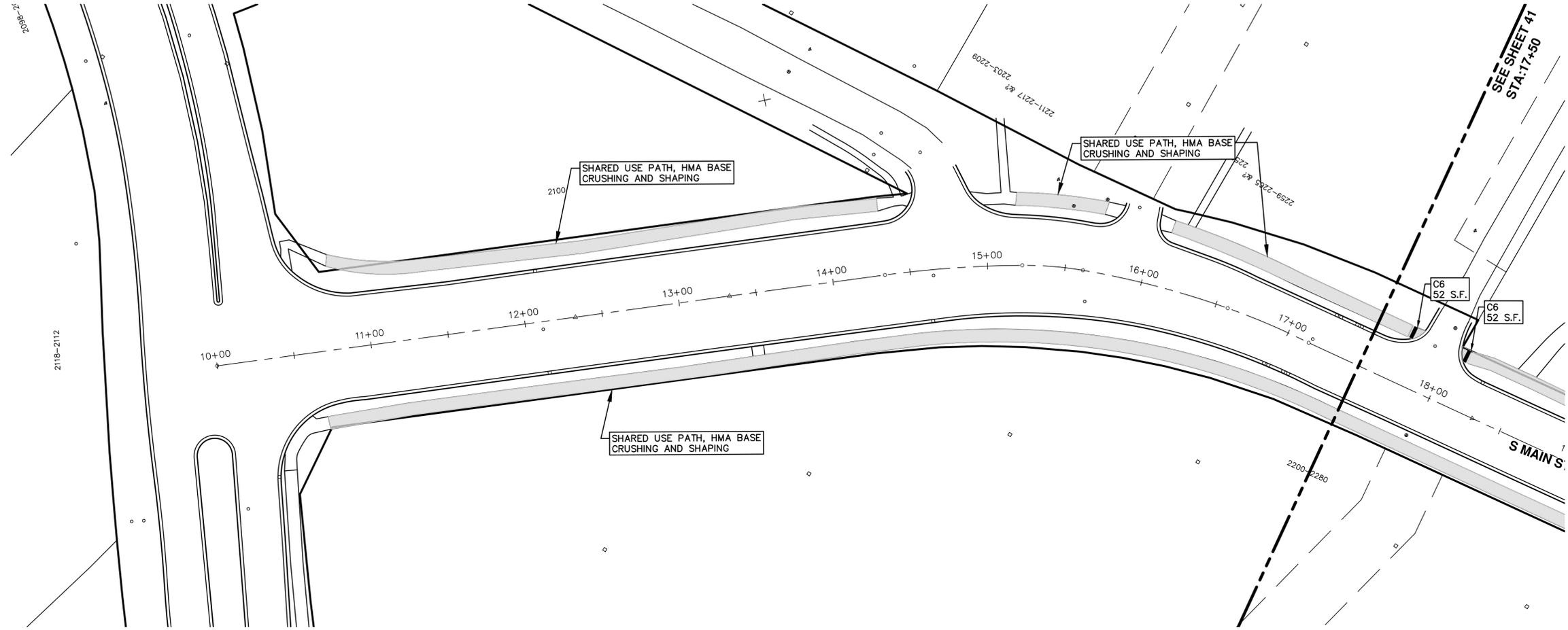
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 SCALE PLAN: Custom
 DRAWING No. 2020-004-39

TRAFFIC CONTROL
 SOUTH MAIN STREET HMA PATH
 STREET RESURFACING/RESTORATION PROJECT - 2020

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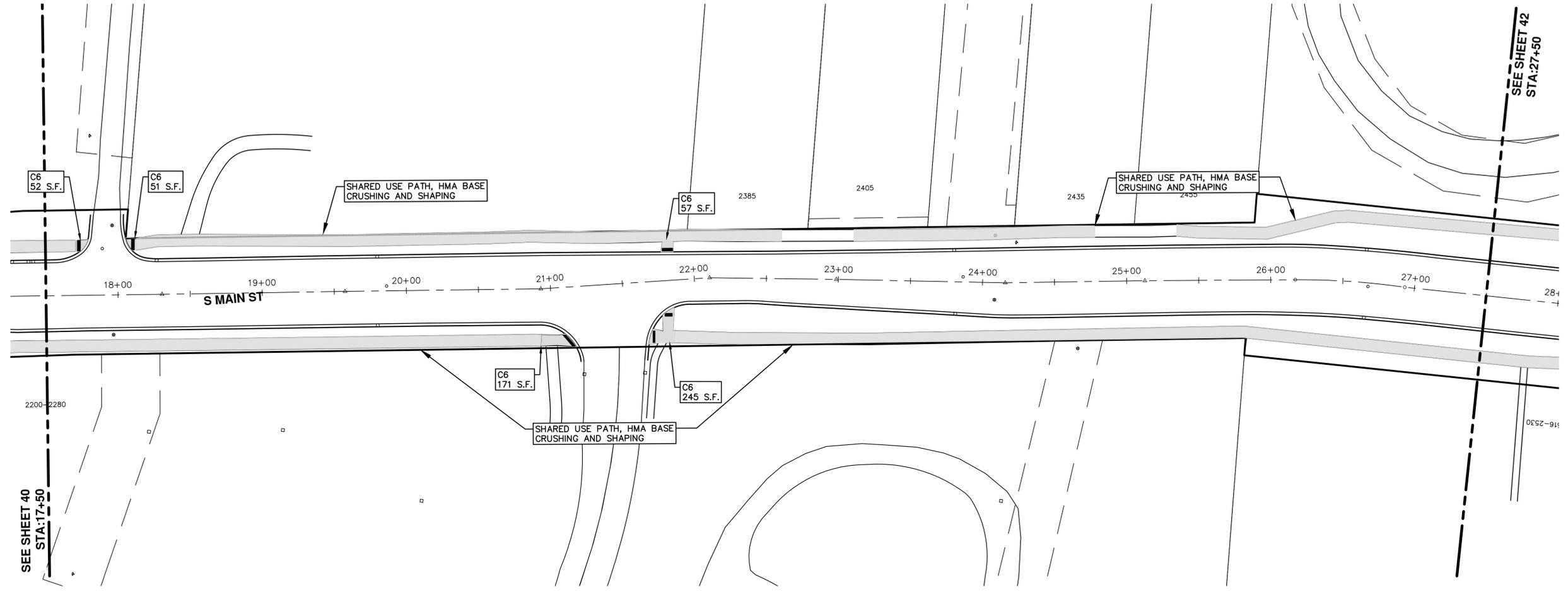
REV.	DESCRIPTION	DATE	DRAWN	CHECKED	
00	BID SET	03/05/2020	OS/CE	DAD	

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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T:\2020004\Plan Production\Major Streets\2020004 - South Main Street HMA Path.dwg Dwg Created: 5-Mar-20 - _c2_standard.bw.stb - Plot Date: 5-Mar-20



SEE SHEET 40
STA:17+50

SEE SHEET 42
STA:27+50

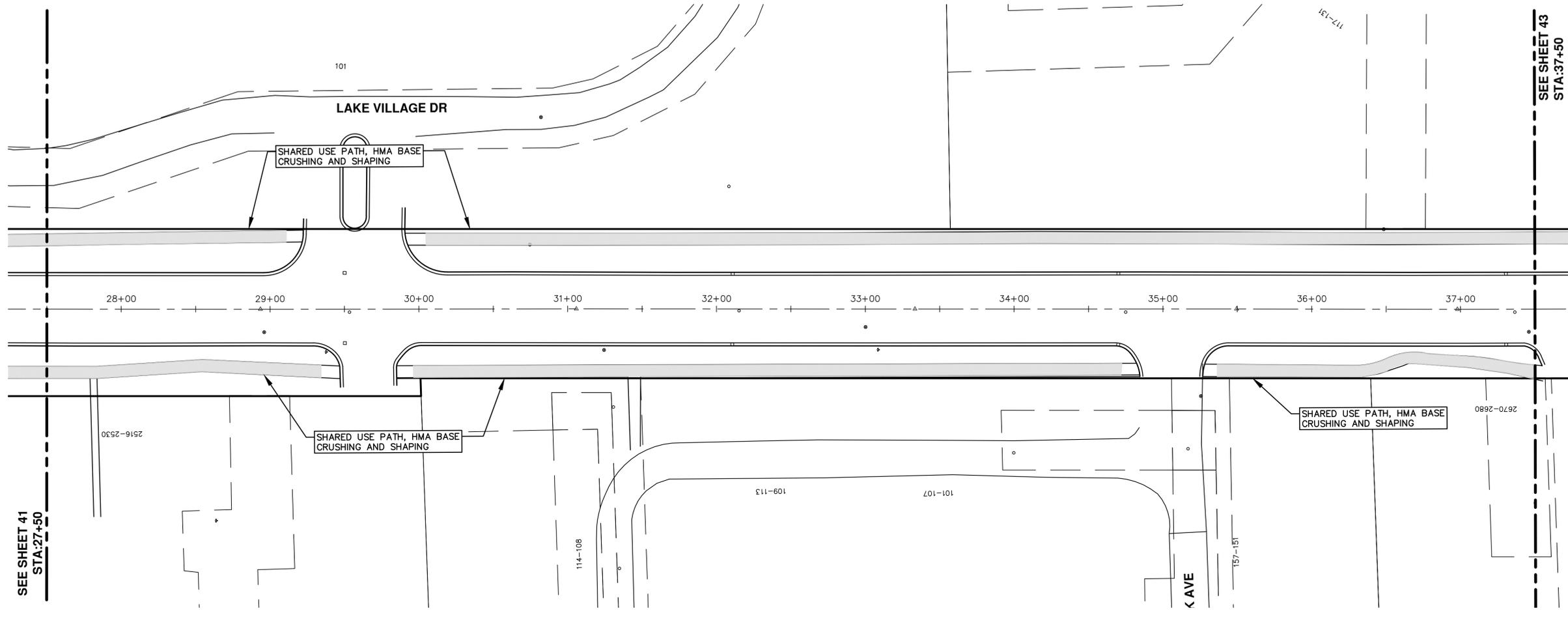


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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GS:CE	DAD



T:\2020004\Plan Production\Major Streets\2020004 - South Main Street HMA Path.dwg Dwg Created: 5-Mar-20 -- _c2_standard bw.stb -- Plot Date: 5-Mar-20



SEE SHEET 41
STA:27+50

SEE SHEET 43
STA:37+50

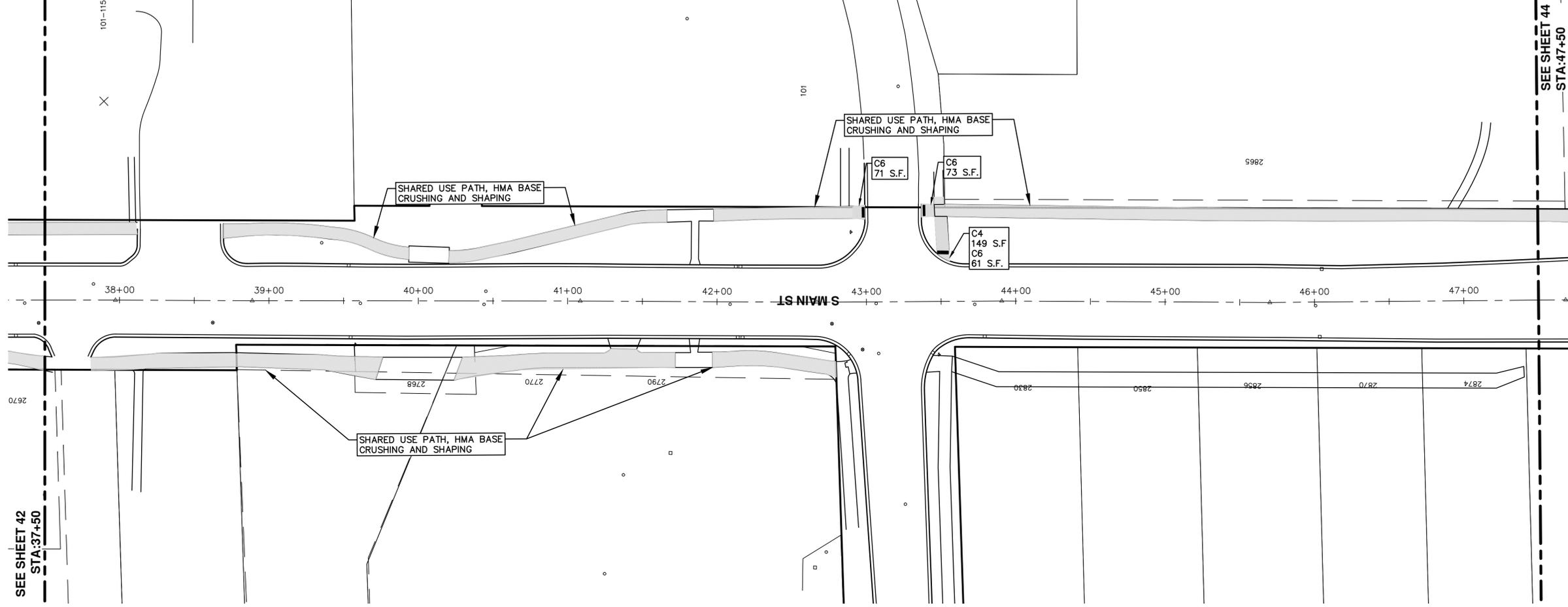


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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GS:CE	DAD

Know what's below.
Call Before you dig.

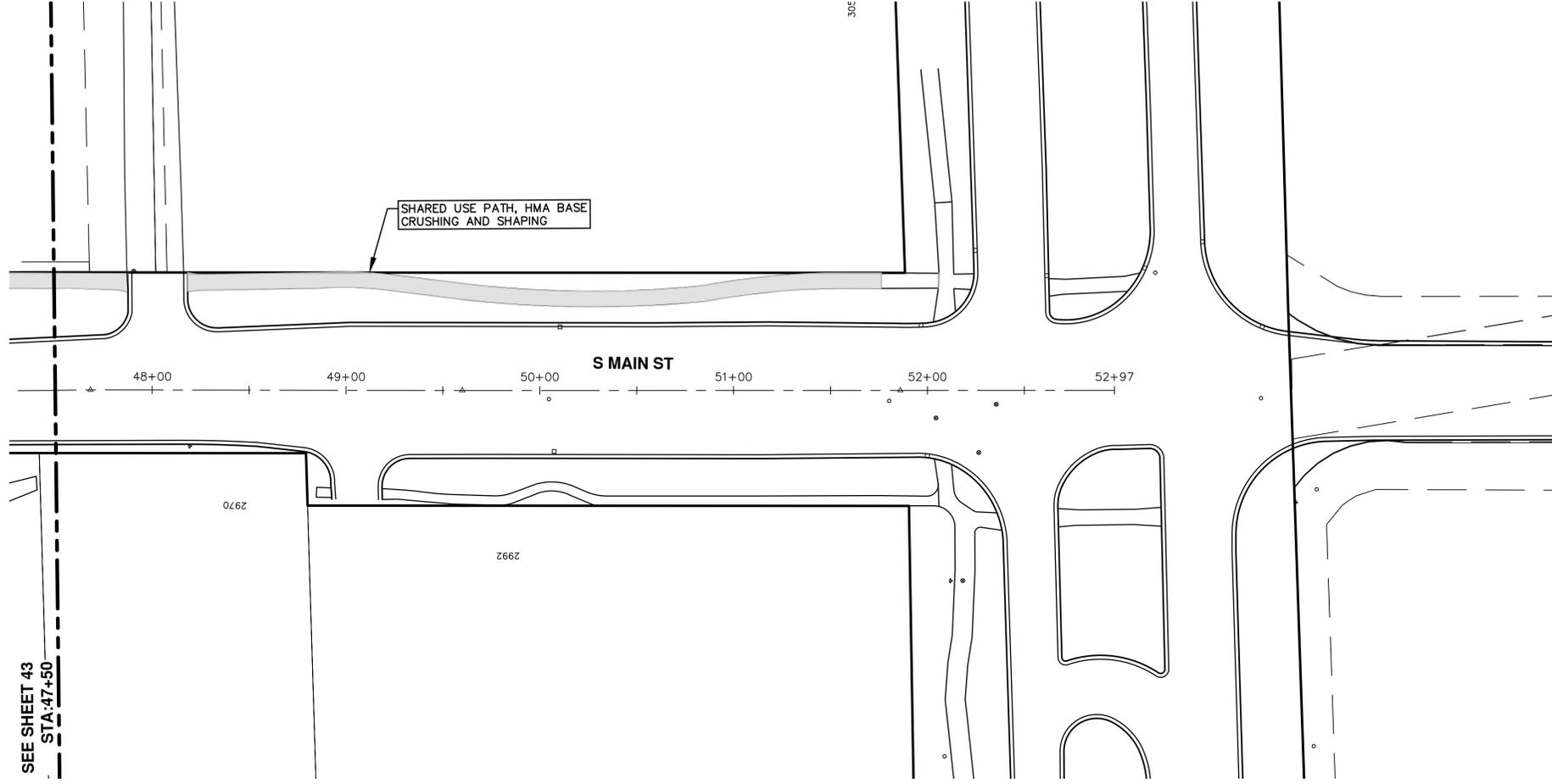




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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GS:CE	DAD

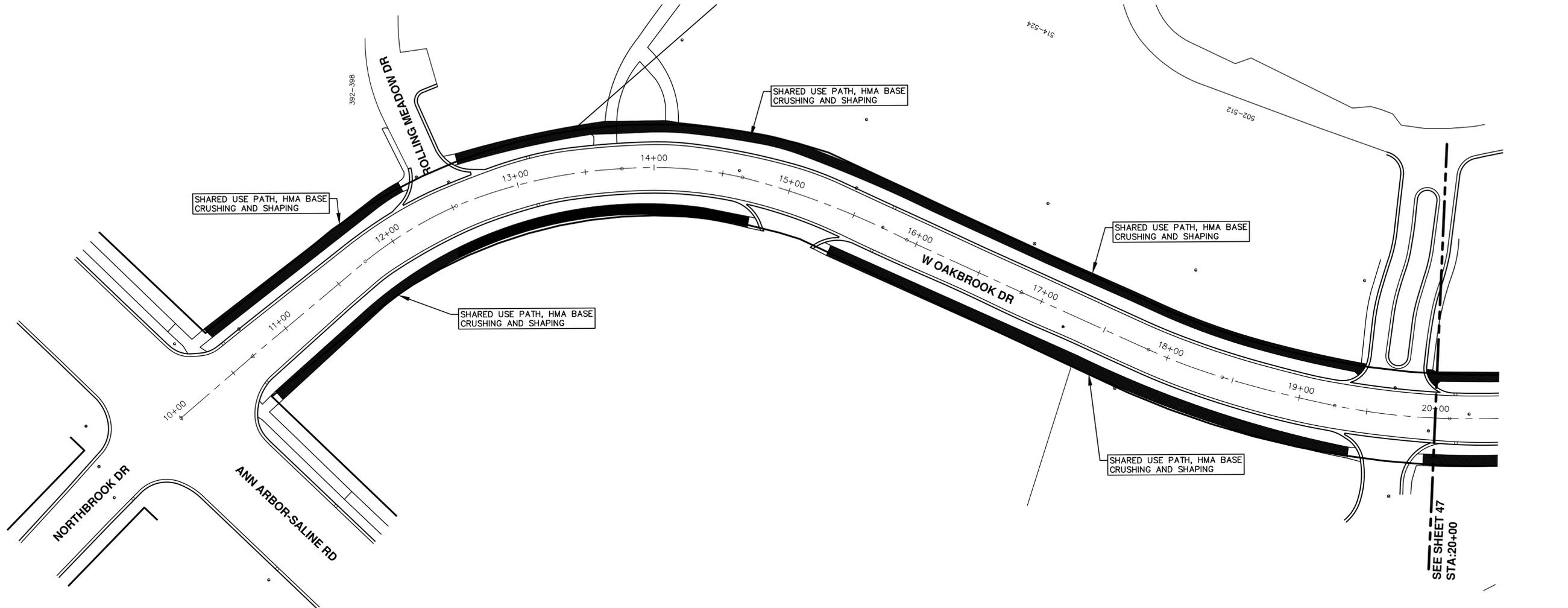




REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GSL/CE	DAD



T:\2020004\Plan Production\Major Streets\2020004 - West Oakbrook Drive HMA Path.dwg Dwg Created: 5-Mar-20 -- a2_standard bw.stb -- Plot Date: 5-Mar-20

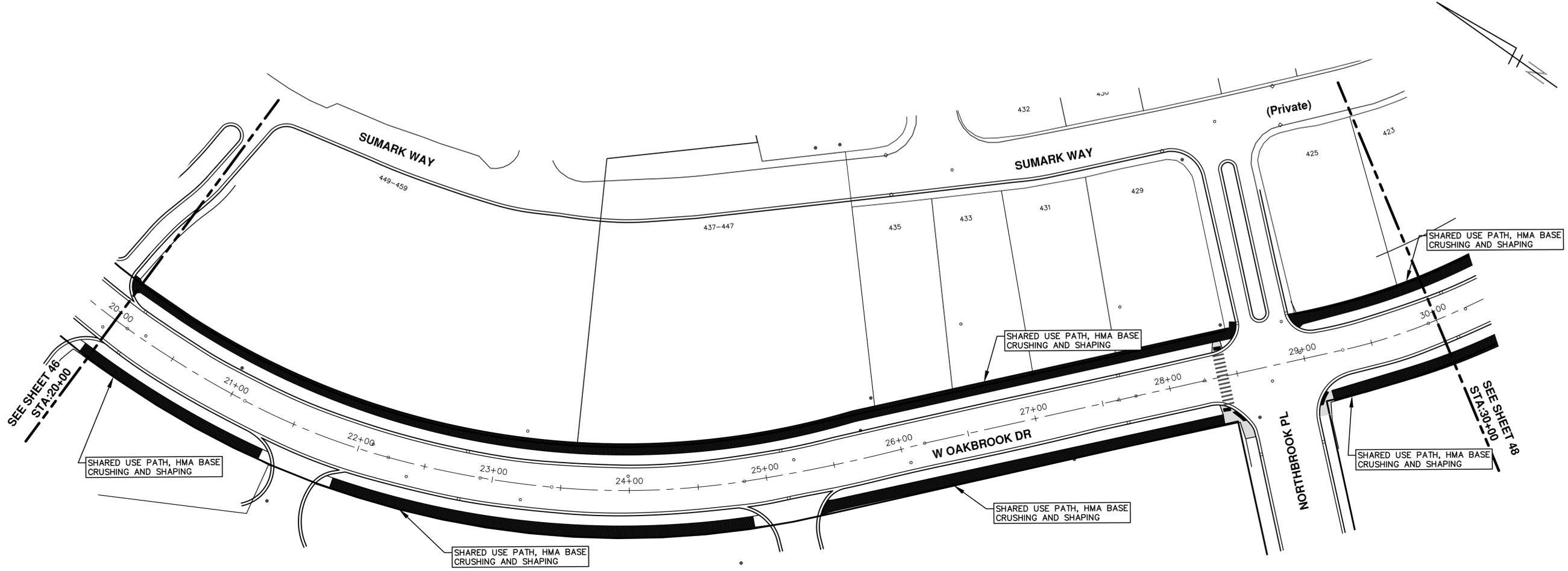


CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48107-8647
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GS/CE	DAD

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

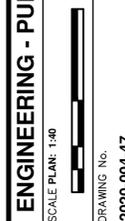
T:\2020004\Plan Production\Major Streets\2020004 - West Oakbrook Drive HMA Path.dwg Dwg Created: 5-Mar-20 - 10:02:00 Plot Date: 5-Mar-20



SEE SHEET 46
STA: 20+00

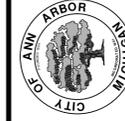
SHARED USE PATH, HMA BASE
CRUSHING AND SHAPING

SEE SHEET 48
STA: 30+00



SCALE PLAN: 1"=40'
DRAWING No. 2020-004-47

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
WEST OAKBROOK DRIVE
STA. 20+00 - STA. 30+00

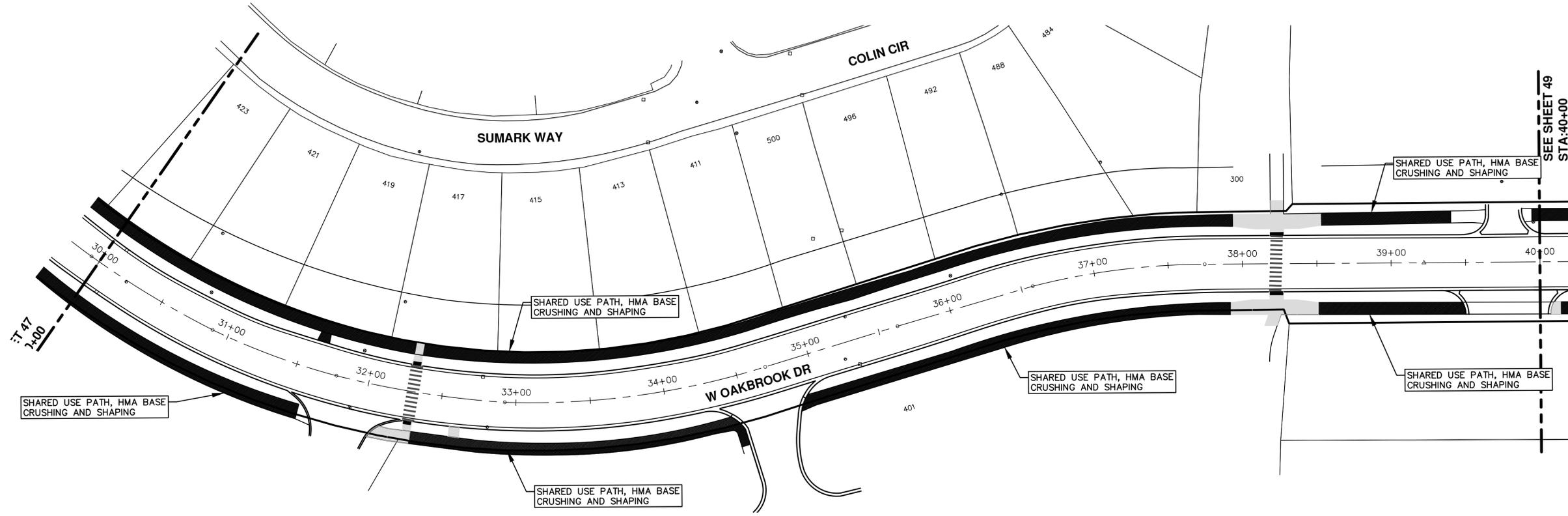


CITY OF ANN ARBOR
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GSLCE	DAD



T:\2020004\Plan Production\Major Streets\2020004 - West Oakbrook Drive HMA Path.dwg Dwg Created: 5-Mar-20 -- Plot Date: 5-Mar-20



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 SCALE PLAN: 1"=40'
 DRAWING No. 2020-004-48

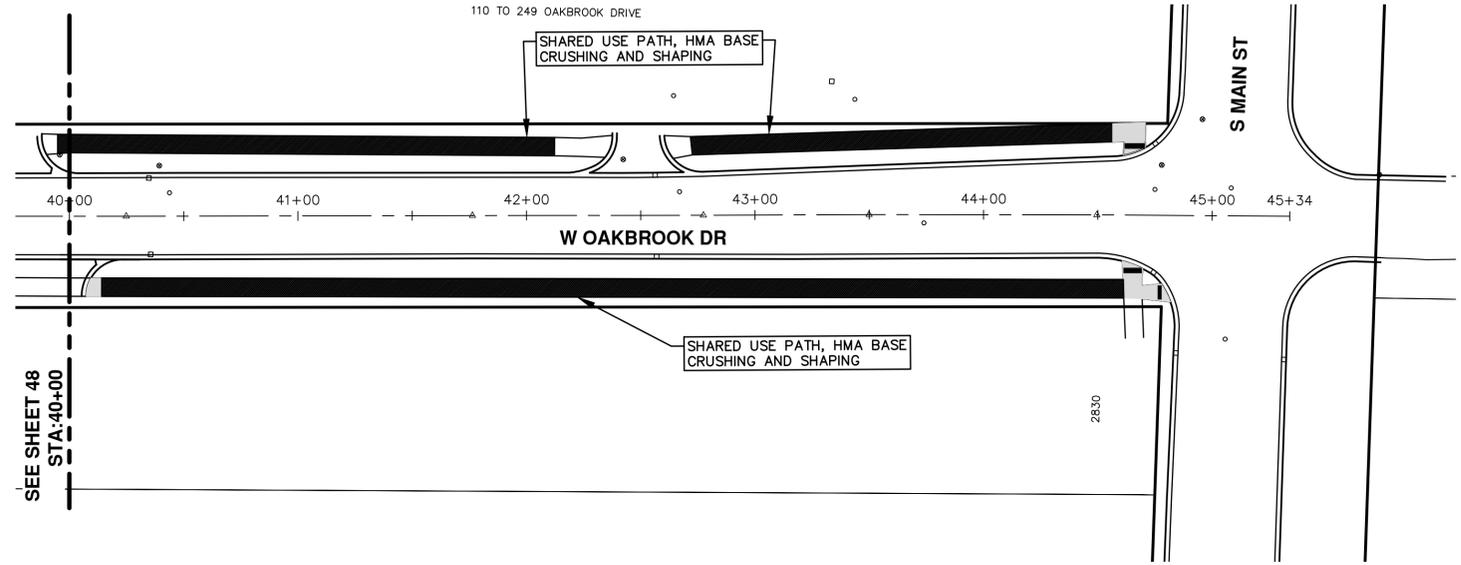
STREET RESURFACING/RESTORATION PROJECT - 2020
 WEST OAKBROOK DRIVE
 STA. 30+00 - STA. 40+00



CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GSLCE	DAD





SEE SHEET 48
STA: 40+00



CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GSL:CE	DAD

811
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CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: AMESBURY DR

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	26.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	14.660
2057011	_Grading, Driveway Approach	Syd	14.660
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	3.000
5010002	Cold Milling HMA Surface	Syd	984.670
5010005	HMA Surface, Rem	Syd	2.889
5010703	HMA, LVSP	Ton	130.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	103.330
6027021	_Flowable Fill	Cyd	0.722
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	14.660
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	26.000
8110198	Pavt Mrkg, Thermopl, 6 inch, VWhite	Ft	130.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120250	Plastic Drum, High Intensity, Furn	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	61.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	61.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	16.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	16.000
8127050	_Temporary No Parking Sign	Ea	9.257
8167011	_Slope Restoration	Syd	3.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	3.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
4.0	*D3-1	Street Name Sign	4.000	16.000
4.0	W20-1	Road Work Ahead Sign	9.000	36.000
2.0	R11-3a	Road Closed Local Traffic Only	12.500	25.000
TOTAL			25.500	77.000

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GS/CE	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
AMESBURY DR YEOMAN CT MERSHON DR & WINSTED CT
GROUP 2 SUBSET COVER SHEET AMESBURY DR

SCALE
DRAWING No.
2020-004-53



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: LASBEGAS DR

ITB No. BID NO FILE No.2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	742.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	118.880
2057011	_Grading, Driveway Approach	Syd	119.000
2057011	_Machine Grading, Special	Syd	3,929.560
2057021	_Subgrade Undercutting, Type IIA	Cyd	394.961
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	14.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	7.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	5.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	14.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	12.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20.000
5010002	Cold Milling HMA Surface	Syd	3,929.560
5010005	HMA Surface, Rem	Syd	82.444
5010703	HMA, LVSP	Ton	970.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	25.110
6027021	_Flowable Fill	Cyd	20.611
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	119.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	239.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	503.000
8110197	Pavt Mrkg, Thermopl, 6 inch, Crosswalk	Ft	145.000
8110218	Pavt Mrkg, Thermopl, 24 inch, Stop Bar	Ft	12.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	8.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	8.000
8120250	Plastic Drum, High Intensity, Furn	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	145.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	145.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	20.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	20.000
8127050	_Temporary No Parking Sign	Ea	33.857
8167011	_Slope Restoration	Syd	296.800
8230431	Gate Box, Adj, Case 1	Ea	3.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
5.0	*D3-1	Street Name Sign	4.000	20.000
5.0	W20-1	Road Work Ahead Sign	9.000	45.000
8.0	R11-3a	Road Closed Local Traffic Only	12.500	100.000
TOTAL				165.000

CONSTRUCTION METHOD AND SEQUENCING

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3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
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12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

NOTES

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00	BID SET	03/05/2020	GS/CE	DAD

CITY OF ANN ARBOR
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
AVONDALE AVE LAS VEGAS DR & WESTFIELD AVE
GROUP 4 SUBSET COVER SHEET LAS VEGAS DR
SCALE
DRAWING No.
2020-004-60



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BARRINGTON PL

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	7.000
2030015	Sewer, Rem, Less than 24 inch	Ft	70.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	776.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	63.550
2057011	_Grading, Driveway Approach	Syd	51.330
2057011	_Grading, Sidewalk Ramp	Syd	12.222
2057011	_Machine Grading, Special	Syd	2,943.340
2057021	_Subgrade Undercutting, Type IIA	Cyd	276.639
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	70.000
4030200	Dr Structure, 24 inch dia	Ea	7.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	3.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	7.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	11.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	140.000
5010002	Cold Milling HMA Surface	Syd	2,944.000
5010005	HMA Surface, Rem	Syd	86.222
5010703	HMA, LVSP	Ton	680.000
6027021	_Flowable Fill	Cyd	21.556
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	51.330
8027001	_Curb and Gutter, Conc, Barrier	Ft	354.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	398.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	110.000
8110197	Pav Mrlg, Thermopl, 6 inch, Crosswalk	Ft	67.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120250	Plastic Drum, High Intensity, Furn	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	70.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	70.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	20.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	20.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	23.714
8167011	_Slope Restoration	Syd	310.400

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
5.0	*D3-1	Street Name Sign	4.000	20.000
5.0	W20-1	Road Work Ahead Sign	9.000	45.000
2.0	R11-3a	Road Closed Local Traffic Only	12.500	25.000
TOTAL				90.000

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
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4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

NOTES

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
BARRINGTON PL & DUNMORE RD
GROUP 6 SUBSET COVER SHEET BARRINGTON PL

SCALE
DRAWING No.
2020-004-64



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: DUNMORE RD

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	8.000
2030015	Sewer, Rem, Less than 24 inch	Ft	80.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	717.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	95.920
2057011	_Grading, Driveway Approach	Syd	84.000
2057011	_Grading, Sidewalk	Syd	5.556
2057011	_Grading, Sidewalk Ramp	Syd	6.667
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	12.000
4020987	Sewer, Cl IV, 12 inch, Tr Det B	Ft	80.000
4030200	Dr Structure, 24 inch dia	Ea	8.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	8.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	8.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	160.000
5010002	Cold Milling HMA Surface	Syd	3,402.000
5010005	HMA Surface, Rem	Syd	79.667
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	166.670
6027021	_Flowable Fill	Cyd	19.917
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	84.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	205.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	500.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	60.000
8037010	_Sidewalk, Conc, 6 inch, Modified	Sft	50.000
8110197	Pavt Mrkg, Thermopl, 6 inch, Crosswalk	Ft	65.000
8110218	Pavt Mrkg, Thermopl, 24 inch, Stop Bar	Ft	15.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120250	Plastic Drum, High Intensity, Furn	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	79.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	79.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	24.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	24.000
8127050	_Temporary No Parking Sign	Ea	30.429
8167011	_Slope Restoration	Syd	286.800
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	11.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
6.0	*D3-1	Street Name Sign	4.000	24.000
6.0	W20-1	Road Work Ahead Sign	9.000	54.000
2.0	R11-3a	Road Closed Local Traffic Only	12.500	25.000
TOTAL				103.000

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-0647
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
BARRINGTON PL & DUNMORE RD
GROUP 6 SUBSET COVER SHEET DUNMORE RD

SCALE
DRAWING No.
2020-004-65



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BRAESIDE PL

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	53.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	7.330
2057011	_Grading, Driveway Approach	Syd	7.330
2057011	_Machine Grading, Special	Syd	2,027.440
2057021	_Subgrade Undercutting, Type IIA	Cyd	149.985
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	6.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	4.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	4.000
5010002	Cold Milling HMA Surface	Syd	2,028.000
5010005	HMA Surface, Rem	Syd	5.889
5010057	HMA, 5E3	Ton	240.000
5010703	HMA, LVSP	Ton	240.000
6027021	_Flowable Fill	Cyd	1.472
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	7.330
8027001	_Curb and Gutter, Conc, Barrier	Ft	20.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	33.000
8110049	Pavt Mrkg, Ovy Cold Plastic, Direction Arrow Sym, Bike	Ea	2.000
8110058	Pavt Mrkg, Ovy Cold Plastic, Bike, Small Sym	Ea	2.000
8110079	Pavt Mrkg, Ovy Cold Plastic, Sharrow Symbol	Ea	1.000
8110196	Pavt Mrkg, Thermopl, 4 inch, Yellow	Ft	820.000
8110198	Pavt Mrkg, Thermopl, 6 inch, White	Ft	760.000
8110214	Pavt Mrkg, Thermopl, 12 inch, Crosswalk	Ft	96.000
8110218	Pavt Mrkg, Thermopl, 24 inch, Stop Bar	Ft	16.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120250	Plastic Drum, High Intensity, Fum	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Fum	Sft	31.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	31.000
8120352	Sign, Type B, Temp, Prismatic, Special, Fum	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	_Temporary No Parking Sign	Ea	12.857
8167011	_Slope Restoration	Syd	21.200

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	*D3-1	Street Name Sign	4.000	8.000
2.0	W20-1	Road Work Ahead Sign	9.000	18.000
1.0	R11-3a	Road Closed Local Traffic Only	12.500	13.000
TOTAL				39.000

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
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6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
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13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

NOTES

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CITY OF ANN ARBOR
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
BRAESIDE PL CHAUCER DR & WORTHINGTON PL
GROUP 8 SUBSET COVER SHEET BRAESIDE PL

SCALE
DRAWING No.
2020-004-68



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: STEPHEN TER

ITB No. BID NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
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7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
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13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

NOTES

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00	BID SET	03/05/2020	GS/CE	DAD

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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
CAROL DR STEPHEN TER & WIMPOLE ST
GROUP 9 SUBSET COVER SHEET STEPHEN TER

SCALE
DRAWING No.
2020-004-72



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WIMPOLE ST

ITB No. BID NO FILE No.2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
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13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

NOTES

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00	BID SET	03/05/2020	GS/CE	DAD

CITY OF ANN ARBOR
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
CAROL DR STEPHEN TER & WIMPOLE ST
GROUP 9 SUBSET COVER SHEET WIMPOLE ST

SCALE
DRAWING No.
2020-004-73



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SUE PKWY

ITB No. BID NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
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14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

NOTES

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00	BID SET	03/05/2020	GSLCE	DAD

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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
SUE PKWY & CORONADA ST
GROUP 10 SUBSET COVER SHEET SUE PKWY

SCALE
DRAWING No.
2020-004-74



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: CORONADA ST

ITB No. BID NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
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4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
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6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
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NOTES

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00	BID SET	03/05/2020	GSLCE	DAD

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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
SUE PKWY & CORONADA ST
GROUP 10 SUBSET COVER SHEET CORONADA ST

SCALE
DRAWING No.
2020-004-75



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: GREENVIEW DR

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	5.000
2030015	Sewer, Rem, Less than 24 inch	Ft	50.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	698.500
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	67.010
2057011	_Grading, Driveway Approach	Syd	51.000
2057011	_Grading, Sidewalk Ramp	Syd	16.028
2057011	_Machine Grading, Special	Syd	3,956.540
2057021	_Subgrade Undercutting, Type IIA	Cyd	379.962
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	8.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	50.000
4030200	Dr Structure, 24 inch dia	Ea	5.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	7.000
4037050	_Dr Structure Cover, Type C, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	4.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	14.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	9.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	100.000
5010002	Cold Milling HMA Surface	Syd	3,957.000
5010005	HMA Surface, Rem	Syd	77.611
5010703	HMA, LVSP	Ton	920.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	2.613
6027021	_Flowable Fill	Cyd	19.403
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	51.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	290.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	396.500
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	144.250
8110214	Pav Mrlg, Thermopl, 12 inch, Crosswalk	Ft	88.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	6.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	6.000
8120250	Plastic Drum, High Intensity, Furn	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	83.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	83.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	20.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	20.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	_Temporary No Parking Sign	Ea	32.571
8167011	_Slope Restoration	Syd	279.400

QUANTITIES					
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special					
Quantity	Sign Code	Description	Area (sft)	TOTAL	
5.0	*D3-1	Street Name Sign	4.000	4.000	20.000
5.0	W20-1	Road Work Ahead Sign	9.000	9.000	45.000
3.0	R11-3a	Road Closed Local Traffic Only	12.500	12.500	38.000
			TOTAL		103.000

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE 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.

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
GREENVIEW DR SCIO CHURCH SERVICE DR & WELCH DR
GROUP 13 SUBSET COVER SHEET GREENVIEW DR



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SCIO CHURCH SERVICE DR

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	181.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	20.220
2057011	_Grading, Driveway Approach	Syd	20.000
2057011	_Machine Grading, Special	Syd	1,755.111
2057021	_Subgrade Undercutting, Type IIA	Cyd	34.390
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	6.000
5010002	Cold Milling HMA Surface	Syd	1,756.000
5010005	HMA Surface, Rem	Syd	20.111
5010703	HMA, LVSP	Ton	210.000
6027021	_Flowable Fill	Cyd	5.028
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	20.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	181.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120250	Plastic Drum, High Intensity, Fum	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Fum	Sft	79.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	79.000
8120352	Sign, Type B, Temp, Prismatic, Special, Fum	Sft	24.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	24.000
8127050	_Temporary No Parking Sign	Ea	20.514
8167011	_Slope Restoration	Syd	72.400
8507050	HMA Surface, Around Structure Cover, Rem	Ea	5.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
6.0	*D3-1	Street Name Sign	4.000	24.000
6.0	W20-1	Road Work Ahead Sign	9.000	54.000
2.0	R11-3a	Road Closed Local Traffic Only	12.500	25.000
TOTAL				103.000

CONSTRUCTION METHOD AND SEQUENCING

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6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
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14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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00	03/05/2020	BID SET
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		CHECKED

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
GREENVIEW DR SCIO CHURCH SERVICE DR & WELCH DR
GROUP 13 SUBSET COVER SHEET SCIO CHURCH SERVICE DR

SCALE
DRAWING No.
2020-004-81



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WELCH DR

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2057021	_Subgrade Undercutting, Type IIA	Cyd	21.310
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	3.000
5010002	Cold Milling HMA Surface	Syd	1,446.000
5010005	HMA Surface, Rem	Syd	38.290
5010025	Hand Patching	Ton	4.210
5010703	HMA, LVSP	Ton	170.000
8110197	Pav Mrkg, Thermopl, 6 inch, Crosswalk	Ft	60.000
8110218	Pav Mrkg, Thermopl, 24 inch, Stop Bar	Ft	15.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120250	Plastic Drum, High Intensity, Furn	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	31.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	31.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	_Temporary No Parking Sign	Ea	7.943
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	4.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	*D3-1	Street Name Sign	4.000	8.000
2.0	W20-1	Road Work Ahead Sign	9.000	18.000
1.0	R11-3a	Road Closed Local Traffic Only	12.500	13.000
TOTAL				39.000

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
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5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
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9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
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14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

NOTES

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REV.	00	BID SET	03/05/2020	DATE	GS:CE	DAD	CHECKED
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					DESCRIPTION		

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
GREENVIEW DR SCIO CHURCH SERVICE DR & WELCH DR
GROUP 13 SUBSET COVER SHEET WELCH DR

SCALE
DRAWING No.
2020-004-82



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WAVERLY RD

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2.000
2030015	Sewer, Rem, Less than 24 inch	Ft	20.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	104.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	21.110
2057011	_Grading, Driveway Approach	Syd	21.000
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	3.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	2.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	40.000
5010002	Cold Milling HMA Surface	Syd	1,338.000
5010005	HMA Surface, Rem	Syd	11.556
5010703	HMA, LVSP	Ton	160.000
6027021	_Flowable Fill	Cyd	2.889
8017011	_Driveway, Nonreinfc Conc, 6 inch, Modified	Syd	21.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	20.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	84.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120250	Plastic Drum, High Intensity, Furn	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	40.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	40.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	24.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	24.000
8127050	_Temporary No Parking Sign	Ea	9.214
8167011	_Slope Restoration	Syd	41.600
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	5.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
6.0	*D3-1	Street Name Sign	4.000	24.000
3.0	W20-1	Road Work Ahead Sign	9.000	27.000
1.0	R11-3a	Road Closed Local Traffic Only	12.500	13.000
TOTAL				64.000

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
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13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

NOTES

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03/05/2020	GS/CE	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
HANOVER CT HANOVER RD & WAVERLY RD
GROUP 14 SUBSET COVER SHEET WAVERLY RD

SCALE
DRAWING No.
2020-004-85



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: KENT ST

ITB No. BID NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
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4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
www.aagov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
KENT ST WALTHAM DR WARWICK CT
GROUP 15 SUBSET COVER SHEET KENT ST

SCALE
DRAWING No.
2020-004-86



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SUFFOLK ST

ITB No. BID NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE 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 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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301 EAST HURON STREET
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734.794.4410
www.aagov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
NORFOLK ST & SUFFOLK ST
GROUP 17 SUBSET COVER SHEET SUFFOLK ST

SCALE
DRAWING No.
2020-004-93



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SAXON ST

ITB No. BID NO FILE No. 2020-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	4.000
2030015	Sewer, Rem, Less than 24 inch	Ft	40.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	295.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	63.330
2057011	_Grading, Driveway Approach	Syd	42.000
2057011	_Grading, Sidewalk	Syd	11.111
2057011	_Grading, Sidewalk Ramp	Syd	10.000
2057011	_Machine Grading, Special	Syd	3,690.000
2057021	_Subgrade Undercutting, Type IIA	Cyd	368.963
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	8.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	40.000
4030200	Dr Structure, 24 inch dia	Ea	4.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	4.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	4.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	80.000
5010703	HMA, LVSP	Ton	430.000
6027021	_Flowable Fill	Cyd	8.194
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	42.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	64.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	213.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	90.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	100.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120250	Plastic Drum, High Intensity, Furn	Ea	15.000
8120251	Plastic Drum, High Intensity, Oper	Ea	15.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	25.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	25.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6.000
8127050	_Temporary No Parking Sign	Ea	31.629
8167011	_Slope Restoration	Syd	118.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	11.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	R11-3a	Road Closed Local Traffic Only	12.500	25.000
TOTAL				25.000

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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2020
SAXON ST WALTHAM DR & WINDSOR DR
GROUP 19 SUBSET COVER SHEET SAXON ST

SCALE
DRAWING No.
2020-004-96

