



CITY OF ANN ARBOR ENGINEERING

HEALTHY STREETS PROGRAM

**S. MAIN STREET - STADIUM BLVD. TO WILLIAM ST.
PACKARD STREET - STATE ST. TO HILL ST.
PACKARD STREET - EISENHOWER PKWY. TO US-23**

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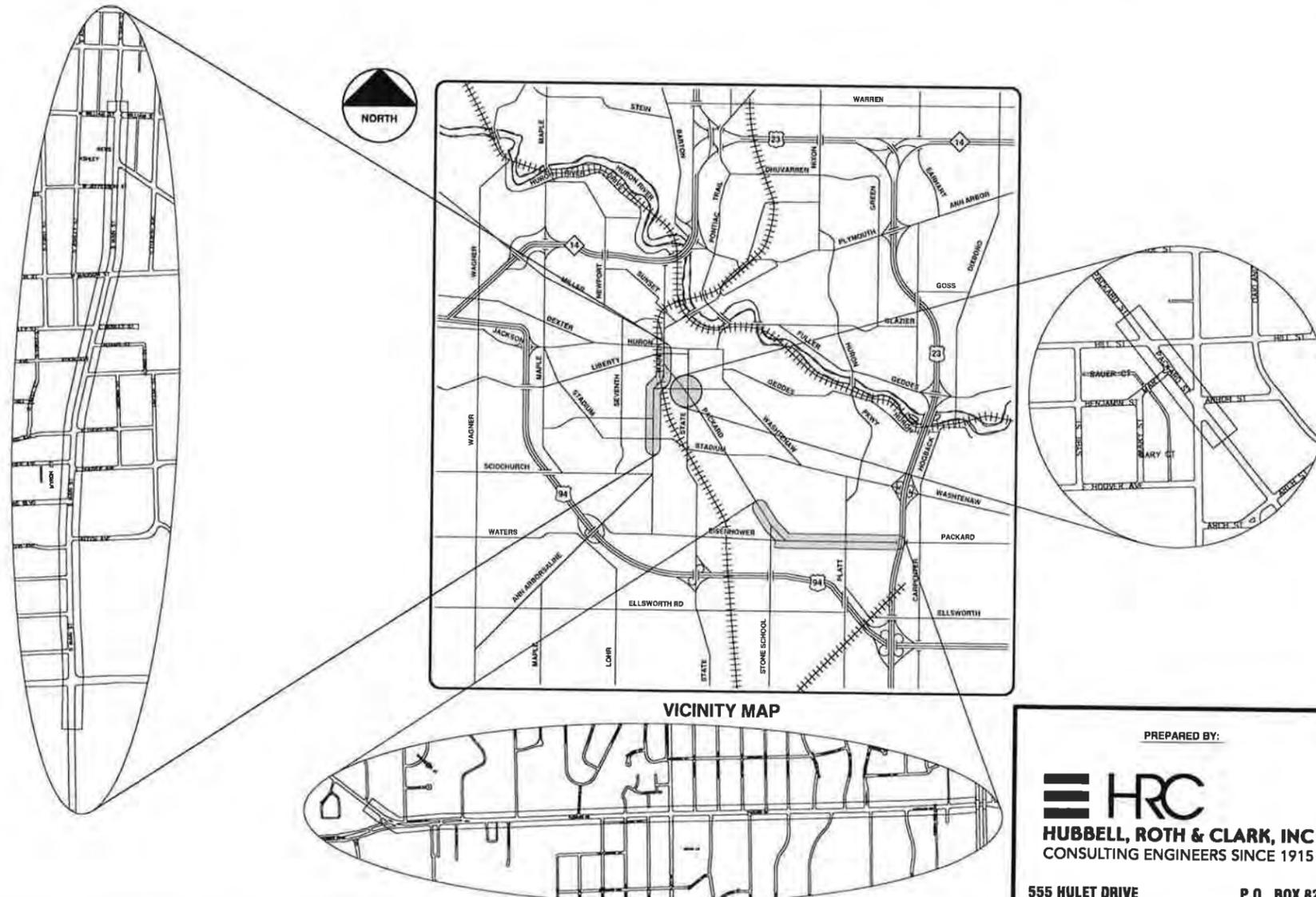
NOTES

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 THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION (INCLUDING REFERENCED MDT PUBLICATIONS) AND THIS PROJECT'S CONTRACT DOCUMENTS.

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



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PREPARED BY: HUBBELL, ROTH & CLARK, INC CONSULTING ENGINEERS SINCE 1915 555 HULET DRIVE BLOOMFIELD HILLS, MI.	PREPARED UNDER THE SUPERVISION OF COLLEEN HILL-STRAMSAK, P.E., PTOE, RSP1 PROJECT MANAGER	CITY APPROVAL CYRUS NAHEEDY, P.E. PROJECT MANAGER
P.O. BOX 824 48303 - 0824	DATE	DATE

	Know what's below. Call before you dig.				
REV.	DESCRIPTION	DATE	DRAWN	CHECKED	
01	FINAL PLANS TO CITY	4/06/2021	COV	GH	
CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET ANN ARBOR, MI 48107-8647 734-796-6410 www.a2gov.org					
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR HEALTHY STREETS PROGRAM PROJECT DESCRIPTION AND LIMITS					
SCALE	SHEETS				
DRAWING No.	c01.dwg				
SHEET No.	1 of 22				

EXISTING LEGEND

- ⊕ FIRE HYDRANT
- I GATE VALVE IN BOX
- ⊙ GATE VALVE IN WELL
- ⊙ STOP BOX
- ⊠ WATER VAULT
- ⊙ WELL
- CATCH BASIN (SQ)
- ⊙ CATCH BASIN (RD)
- STORM MANHOLE
- NON-CURB CATCH BASIN (SQ)
-) END SECTION
- SANITARY MANHOLE
- CLEAN-OUT
- POST
- ⊕ PEDESTRIAN SIGNAL
- † SIGN
- HAND HOLE
- ⊕ ORNAMENTAL LIGHT
- ⊕ FLOOD LIGHT
- ⊙ UNKNOWN MANHOLE
- ⊙ TELEPHONE MANHOLE
- ⊠ TELEPHONE RISER
- ⊙ GAS VALVE
- GAS VENT
- ⊠ GAS BOX
- ⊠ ELECTRICAL RISER
- ⊠ TRANSFORMER
- ⊕ UTILITY POLE
- LAMP POLE
- ▷ GUY ANCHOR
- GUY POLE
- ⊙ MONITORING WELL
- ⊠ MAILBOX
- ⊙ SOIL BORING
- △ TRAVERSE POINT
- ⊕ BENCH MARK
- IRON PIPE
- MON BOX

- W — WATER MAIN
- - - - - WATER MAIN ABANDONED
- - - - - STORM SEWER
- - - - - STORM SEWER ABANDONED
- - - - - SANITARY SEWER
- - - - - SANITARY SEWER ABANDONED
- - - - - GAS MAIN
- - - - - GAS MAIN (DEAD)
- - - - - ELECTRICAL OVER HEAD
- - - - - ELECTRICAL UNDER GROUND
- - - - - e duct bank ELECTRICAL DUCT BANK
- - - - - . oht . . oht . TELEPHONE OVER HEAD
- - - - - . t . . t . TELEPHONE UNDER GROUND
- - - - - t duct bank TELEPHONE DUCT BANK
- - - - - ohtv CABLE TV OVER HEAD
- - - - - tv CABLE TV UNDER GROUND
- - - - - fo FIBER OPTIC
- - - - - fo duct bank FIBER OPTIC DUCT BANK
- BOUNDARY
- BUILDING
- CENTERLINE OF DITCH
- CENTERLINE/CROWN OF ROAD
- - - - - 800 CONTOUR MAJOR
- - - - - 799 CONTOUR MINOR
- EDGE OF WATER
- FLOODPLAIN
- // // // // FENCE
- - - - - GRAVEL
- - - - - GUARDRAIL
- - - - - STONE WALL
- - - - - R.O.W.
- - - - - TREELINE
- - - - - WETLAND
- - - - - EDGE OF BRUSH
- - - - - HEDGE

- TREE (DECIDUOUS)
- TREE (CONIFEROUS)
- SHRUB (DECIDUOUS)
- STUMP
- TREE TO REMAIN & PROTECT (DECIDUOUS)
CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10
- TREE TO REMAIN & PROTECT (CONIFEROUS)
CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10

PROPOSED LEGEND

- HYDRANT (PLAN)
- ⊙ WATER GATE WELL
- ▽ REDUCER
- I WATER GATE VALVE
- WATER STOP BOX
- ⊠ WATER VAULT
- INLET
- ⊠ DOUBLE INLET
- INLET JUNCTION CHAMBER
- ROUND CATCH BASIN
- STORM MANHOLE
- ▷ DRAIN ARROW
- ▷ FLARED END SECTION
- SANITARY MANHOLE
- CLEAN-OUT
- BARREL
- ▷ SIGN
- PUSH BUTTON
- HAND HOLE
- ▨ LANE SEPARATOR
- W — WATER MAIN
- - - - - R — STORM SEWER
- - - - - S — SANITARY SEWER
- - - - - FO — FIBER OPTIC
- - - - - E — ELECTRICAL
- - - - - CENTERLINE OF DITCH
- - - - - CENTERLINE OF ROAD
- - - - - // // // // FENCE
- - - - - GRAVEL
- - - - - SILT FENCE
- - - - - PROTECTIVE FENCE
- - - - - GUARDRAIL
- - - - - LOT/UNIT
- - - - - CURB
- - - - - TEMPORARY GRADING PERMIT
- - - - - 800 CONTOUR MAJOR
- - - - - 799 CONTOUR MINOR
- - - - - WATER EASMENT
- - - - - STORM EASEMENT
- - - - - SANITARY EASEMENT
- - - - - R.O.W.
- - - - - LIMITS OF CONSTRUCTION
- - - - - LIMIT OF GRADING
- - - - - STONE WALL

- ▨ DETECTABLE WARNING
- ▨ ASPHALT
- ▨ CONCRETE
- ▨ SIDEWALK
- TREE (DECIDUOUS)
- TREE (CONIFEROUS)
- TREE TO BE REMOVED (DECIDUOUS)
- TREE TO BE REMOVED (CONIFEROUS)
- STUMP TO BE REMOVED



Know what's below.
Call before you dig.

REV.	DATE	DESCRIPTION
01	4/06/2021	FINAL PLANS TO CITY
		DRAWN
		CHECKED

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

HEALTHY STREETS PROGRAM

LEGEND

SHEET No. 2 of 22

SCALE NTS

DRAWING No. Legend01.dwg

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8667
www.a3gov.org

GENERAL NOTES:

1. THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MDOT 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION EXCEPT AS NOTED HEREIN AND IN THE PROPOSAL BOOK OR DIRECTED OTHERWISE BY ENGINEER.
2. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS, IT'S DETAILS, WHICH ARE INCLUDED BY REFERENCE, AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.
3. THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION OR AS DIRECTED BY ENGINEER, WHICHEVER IS MORE CONSERVATIVE.
4. THE CONTRACTOR AND/OR HIS SUBCONTRACTOR SHALL NOTIFY THE CITY OF ANN ARBOR APPLICABLE DEPARTMENTS 7 WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL WORK SHALL BE CLOSELY COORDINATED WITH THE CITY OF ANN ARBOR. IN ADDITION, 48 HOURS ADVANCED NOTIFICATION IS REQUIRED FOR ANY ROAD CLOSURES OR CHANGES IN CONSTRUCTION STAGING.
5. THE CONTRACTOR AND/OR HIS SUBCONTRACTOR SHALL NOTIFY "MISS DIG" 3 WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
6. CONTRACTOR TO PROTECT EXISTING ABOVE GROUND AND BELOW GROUND FACILITIES INCLUDING: UTILITIES, POLES, TREES, SHRUBS AND OTHER VEGETATION UNLESS NOTED IN THE PLANS OR DIRECTED BY ENGINEER; AND SHALL REPAIR OR REPLACE DAMAGE FACILITIES AT NO COST TO THE OWNER.
7. CONTRACTOR SHALL PROTECT ALL SITE FEATURES SUCH AS PLANTERS, MAIL BOXES, FENCES, LANDSCAPING, WALLS, WALKS, PORCHES, ETC, AND RESTORE TO ORIGINAL CONDITION IF DAMAGED EXCEPT AS NOTED. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS WORK.
8. ALL CONSTRUCTION STAGING AREAS SHALL BE APPROVED BY PROJECT ENGINEER AND CITY OF ANN ARBOR PRIOR TO START OF CONSTRUCTION. ANY AREAS BEYOND CONSTRUCTION RIGHTS-OF-WAY SECURED BY THE CONTRACTOR FOR USE AS CONSTRUCTION STAGING SHALL BE AT HIS OWN EXPENSE. THE RESTORATION OF ALL STAGING AREAS SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE OF THE WORK OF THIS PROJECT. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS WORK.
9. PLAN DIMENSIONS AND MEASUREMENTS ARE BASED ON FIELD OBSERVATIONS AND THEIR ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VERIFY DIMENSIONS AND COORDINATE AND OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO CONSTRUCTION WORK.
10. WHERE STREET CURBS ARE UNDERMINED DUE TO CONSTRUCTION ACTIVITIES, THEY SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
11. THE LOCATION OF MATERIAL STOCK PILES AND ON-SITE STAGING AREAS TO BE APPROVED BY THE ENGINEER.
12. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL NOT PERFORM WORK BY PRIVATE AGREEMENT WITH PROPERTY OWNERS ADJACENT TO THE PROJECT. WORK MAY BE ALLOWED WHEN REQUESTED BY LOCAL MUNICIPALITIES, BUT ONLY WITH THE WRITTEN CONSENT OF THE ENGINEER.
13. NO USE OF PRIVATE PROPERTY BY THE CONTRACTOR OR ANY SUBCONTRACTORS SHALL OCCUR BEFORE THE PROJECT ENGINEER HAS WRITTEN AGREEMENT BETWEEN THE PROPERTY OWNER AND THE CONTRACTOR. AT NO TIME SHALL CONTRACTOR USE PRIVATE PROPERTY WITHOUT THIS PRIOR APPROVAL. FAILURE TO DO SO MAY RESULT IN DAMAGES TO THE CONTRACTOR.
14. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE CONDUCTING ANY CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT. WORK SHALL BE PERFORMED DURING OFF-PEAK HOURS OR AT A TIME AGREED UPON BY THE CITY OF ANN ARBOR. FLAGGING OPERATIONS, IF ANY, SHALL BE PERFORMED FOR 1,000 FEET OF THE PROJECT LENGTH AT A TIME OR AS DIRECTED BY PROJECT ENGINEER. THE TIME OF AND WORK LENGTH OF PROJECT CONSTRUCTION OPERATIONS SHALL BE APPROVED BY THE CITY OF ANN ARBOR PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
15. ANY UTILITIES AND THEIR LOCATIONS SHOWN ON THE PLANS ARE DEEMED ACCURATE BUT NOT GUARANTEED.
16. IF THE PLANS INDICATE AN EXISTING UNDERGROUND UTILITY IS OR WILL BE OUT OF SERVICE WITHIN THE LIMITS OF THIS CONTRACT, THE CONTRACTOR IS CAUTIONED TO TREAT SUCH A LINE AS IF IT WERE STILL IN SERVICE AND NOTIFY "MISS DIG" WHEN WORKING IN THE AREA OF THE OUT OF SERVICE FACILITY.

MAINTAINING TRAFFIC NOTES:

1. ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, BARRICADES, VERTICAL PANELS, DRUMS, WARNING LIGHTS, ARROW BOARDS, AND CHANGEABLE MESSAGE SIGNS SHALL MEET THE "ACCEPTABLE" REQUIREMENTS OF AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), "QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES - CURRENT EDITION". COPIES OF THIS PUBLICATION ARE AVAILABLE DIRECTLY FROM ATSSA. ALL TRAFFIC CONTROL DEVICES SHALL BE IN LIKE-NEW CONDITION.
2. SIGN LOCATIONS AND DISTANCES BETWEEN SIGNS WILL BE FIELD REVIEWED BY THE ENGINEER BEFORE INSTALLATION TO ASSURE APPROPRIATE PLACEMENT. THE LOCATION OF THE CONSTRUCTION STAGING SHALL BE CLEARLY MARKED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF ONE WEEK IN ADVANCE OF THE NEED FOR REVIEW. THIS WORK WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
3. ALL TRAFFIC CONTROL DEVICES AND SIGNS SHALL BE PER THE LATEST EDITION OF THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE 2020 MDOT STANDARD SPECIFICATION FOR CONSTRUCTION. ALL CONSTRUCTION SIGNING SHALL BE BLACK LETTERS ON FLORESCENT ORANGE BACKGROUND.
4. THE CONTRACTOR SHALL NOT BEGIN ANY CONSTRUCTION OPERATIONS ON THE PROJECT UNTIL ALL CONSTRUCTION SIGNING AND TRAFFIC CONTROL DEVICES ARE IN PLACE.
5. ALL TRAFFIC SIGNS WITHIN THE PROJECT WILL BE RELOCATED BY THE CONTRACTOR FOR EACH STAGE OF CONSTRUCTION (WHEN APPLICABLE). THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL TEMPORARY TRAFFIC CONTROL DEVICES WITHIN THE PROJECT LIMITS. ANY TRAFFIC CONTROL DEVICES DAMAGED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
6. SPECIAL SIGNS INDICATING THE START DATE OF THE CONSTRUCTION PROJECT AND/OR THE START DATE OF A ROAD CLOSURE SHALL BE POSTED BY THE CONTRACTOR AT LEAST ONE WEEK IN ADVANCE, WHEN APPLICABLE.
7. AS DIRECTED BY THE TRAFFIC OPERATION ENGINEER, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ANY ADDITIONAL SIGNS, BARRICADES AND LIGHTS WITHIN THE PROJECT TO PROTECT THE TRAFFIC AND WORK AREA.
8. THE CONTRACTOR SHALL PLACE A MINIMUM OF EIGHT SANDBAGS ON CONTRACTOR FURNISHED TYPE III BARRICADES TO PREVENT MOVEMENT. ALL TYPE III BARRICADES SHALL BE DOUBLE SIDED.
9. CONSTRUCTION SIGNING MOUNTED ON PORTABLE SUPPORTS SHOULD NOT BE USED FOR A DURATION OF MORE THAN FOURTEEN (14) DAYS. OTHERWISE, SIGNS SHALL BE GROUND MOUNTED ON 3 LB U-CHANNEL POSTS WHEN POSSIBLE. THE FOLLOWING SIGNS MAY BE PLACED ON TEMPORARY SUPPORTS: SIGNS PLACED IN CONJUNCTION WITH THE TYPE III BARRICADES, SIGNS PLACED FOR SIDEWALK CLOSURE, AND SIGNS WITHIN THE CLOSED PORTION OF ROADWAY ITSELF. THE CONTRACTOR SHALL INSTALL ONE FLASHER ON ANY CONSTRUCTION SIGN THAT IS INSTALLED ON TEMPORARY SUPPORTS.
10. ALL SIGNS PLACED IN CONJUNCTION WITH A TYPE III BARRICADE SHALL BE PLACED ON SEPARATE SUPPORTS IMMEDIATELY BEHIND AND ABOVE THE TYPE III BARRICADE. THESE SIGNS SHALL BE INSTALLED ON TEMPORARY SUPPORTS. THE CONTRACTOR SHALL PLACE A MINIMUM OF EIGHT SANDBAGS ON THESE SIGNS TO PREVENT MOVEMENT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL CONSTRUCTION AND EXISTING SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE CONSTRUCTION AREA.
12. TRAFFIC CHANNELING DEVICES (PLASTIC BARRELS) FURNISHED BY THE CONTRACTOR FOR WORK PROTECTION SHALL BE COATED WITH REFLECTORIZED MATERIAL AS PER SPECIAL DETAIL WZD-125. SPACING SHALL ADHERE TO MDOT TRAFFIC AND SAFETY STANDARD PLANS OR AS NOTED ON PLANS.
13. TRAFFIC CONTROL SIGNS AND STREET NAME SIGNS SHALL BE REMOVED, SALVAGED, RELOCATED AND MAINTAINED BY THE CONTRACTOR AS INDICATED ON THE PLANS. THIS WORK MAY BE REQUIRED MULTIPLE TIMES DURING THE PROJECT TO ACCOMMODATE CONSTRUCTION OPERATIONS. THIS WORK SHALL BE PERFORMED ON THE SAME DAY OF A CHANGE IN OPERATIONS REQUIRING THE SIGN WORK AS DETERMINED AND/OR APPROVED BY THE PROJECT ENGINEER. UPON COMPLETION OF THE PROJECT, PERMANENT TRAFFIC CONTROL SIGNS WILL BE RELOCATED, REPLACED OR UNCOVERED IN THEIR PROPER POSITION BY THE CONTRACTOR AS INDICATED ON THE PLANS. THE SIGN REMOVAL, SALVAGING, RELOCATING, INSTALLATION, AND RELATED WORK WILL BE PAID FOR WITH THE APPROPRIATE PAY ITEM, AT THE CONTRACT UNIT PRICES EACH TIME THE WORK IS DETERMINED TO BE NECESSARY BY THE PROJECT ENGINEER TO ACCOMMODATE CONSTRUCTION OPERATIONS.
14. ANY OTHER SIGNS WHICH THE CONTRACTOR MAY BE REQUIRED TO FURNISH SHALL CONFORM TO THE MUTCD CURRENT EDITION.
15. ACCESS MUST BE MAINTAINED TO ALL DRIVEWAYS AT ALL TIMES UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
16. ACCESS MUST BE MAINTAINED TO ALL BUSINESSES, SCHOOLS CHURCHES AT ALL TIME UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
17. 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.
18. POSTAL DELIVERY AND REFUSE PICKUP SERVICE SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
19. PEDESTRIAN TYPE II BARRICADES SHALL BE PLACED AT ALL POSSIBLE ENTRY POINTS WHERE SIDEWALK IS CLOSED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER. SIDEWALK CLOSURE SIGNS AND PEDESTRIAN SIGNS SHALL BE PLACED AT LOCATIONS PER THE MUTCD CURRENT EDITION AND AS DIRECTED BY THE ENGINEER.
20. IF TEMPORARY DRIVEWAY CLOSURES ARE REQUIRED, CLOSURE SHALL BE FOR MINIMUM AMOUNT OF TIME TO MINIMIZE DISRUPTIONS.
21. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE ANY EXISTING CONFLICTING PAVEMENT MARKING PRIOR TO INSTALLING TEMPORARY PAVEMENT MARKINGS AS INDICATED IN PLANS.
22. ALL DISTURBED PAVEMENT MARKINGS SHALL BE REPLACED IN-KIND AS APPROVED BY THE ENGINEER.

SIGNING AND PAVEMENT MARKING NOTES:

1. THE FOLLOWING ARE PROJECT CHARACTERISTICS FOR EACH CORRIDOR:
 - 1.1. S. MAIN STREET (STADIUM BLVD TO WILLIAM ST) - TEMPORARY SIGNING AND TEMPORARY PAVEMENT MARKING DEPLOYMENT. CONTRACTOR SHALL RETURN CORRIDOR TO ORIGINAL CONDITIONS AT THE END OF THE HEALTHY STREETS PROGRAM UNLESS OTHERWISE DIRECTED BY ENGINEER.
 - 1.1.1. R3-7R SIGNS SHALL BE OF BLACK LEGEND AND BORDER ON WHITE RETROREFLECTIVE BACKGROUND.
 - 1.1.2. R3-17 SIGNS SHALL BE OF BLACK LEGEND AND BORDER ON WHITE RETROREFLECTIVE BACKGROUND.
 - 1.1.3. W11-1 SIGNS SHALL BE OF BLACK LEGEND AND BORDER ON YELLOW RETROREFLECTIVE BACKGROUND.
 - 1.1.4. W16-1P SIGNS SHALL BE OF BLACK LEGEND AND BORDER ON YELLOW RETROREFLECTIVE BACKGROUND.
 - 1.2. PACKARD STREET (STATE ST TO HILL ST) - PERMANENT SIGNING (by City of Ann Arbor) AND PERMANENT PAVEMENT MARKING DEPLOYMENT.
 - 1.3. PACKARD STREET (EISENHOWER PKWY TO US-23) - PERMANENT SIGNING (by City of Ann Arbor) AND PERMANENT PAVEMENT MARKING DEPLOYMENT.
2. UNLESS OTHERWISE DIRECTED BY ENGINEER, THE LOCATION OF TEMPORARY SIGNING SHALL BE CLEARLY MARKED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL NOT BE PAID SEPARATELY AND IS INCLUDED IN THE COST OF THE PROJECT. A MINIMUM 7 WORKING DAYS ADVANCE NOTICE SHALL BE GIVEN FOR FIELD REVIEW BEFORE INSTALLATION TO ASSURE APPROPRIATE PLACEMENT. IF CONTRACTOR INSTALLS THE SIGNS WITHOUT THE CITY OF ANN ARBOR OR PROJECT ENGINEER APPROVAL OF LOCATION, AND THEY DETERMINE THE LOCATIONS ARE NOT APPROPRIATE, THE CONTRACTOR WILL RE-INSTALL THE SIGNS AT THE APPROPRIATE LOCATIONS AT HIS SOLE EXPENSE.
3. UNLESS OTHERWISE DIRECTED BY ENGINEER, THE LOCATION OF TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE LAID OUT IN THE FIELD BY CONTRACTOR. A MINIMUM OF 7 WORKING DAYS NOTICE SHALL BE GIVEN FOR FIELD REVIEW BEFORE INSTALLATION TO ASSURE APPROPRIATE PLACEMENT. IF CONTRACTOR INSTALLS THE PAVEMENT MARKINGS WITHOUT THE CITY OF ANN ARBOR OR PROJECT ENGINEER APPROVAL OF LOCATION, AND THEY DETERMINE THE LOCATIONS ARE NOT APPROPRIATE, THE CONTRACTOR WILL RE-INSTALL THE PAVEMENT MARKINGS AND CORRECT ANY DEFICIENCIES AT THE APPROPRIATE LOCATIONS AT HIS SOLE EXPENSE. NO PAVEMENT MARKINGS WILL BE PLACED UNTIL CONTRACTOR CLEANS PAVEMENT OF DIRT AND DEBRIS.
4. THE LAYOUT AND INSTALLATION OF PERMANENT SIGNING SHALL BE PERFORMED BY THE CITY OF ANN ARBOR.
5. INSPECTION OF WORK MUST BE REQUESTED BY 3:00 PM THE DAY PRIOR TO WHEN WORK IS TO OCCUR. INSPECTION FOR SATURDAY, SUNDAY, AND MONDAY MUST BE SCHEDULED BY 3:00 PM ON THE PRECEDING FRIDAY. CONTRACTORS FAILING TO PROVIDE PROPER NOTIFICATION AS DESCRIBED ABOVE MAY BE DENIED INSPECTION DUE TO UNAVAILABILITY OF STAFF. SIGNS AND PAVEMENT MARKINGS PLACED BY CONTRACTOR WITHOUT APPROVAL OF PROJECT ENGINEER WILL NOT BE PAID FOR.
6. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED BY CONTRACTOR. REMOVAL OF TEMPORARY MARKINGS WILL BE REQUIRED AS DIRECT BY PROJECT ENGINEER OR AS SHOWN ON THE PLANS. CONTRACTOR SHALL REMOVE ANY EXISTING CONFLICTING PAVEMENT MARKINGS PRIOR TO INSTALLING TEMPORARY PAVEMENT MARKINGS.
7. ALL PAVEMENT MARKINGS WHICH CONFLICT WITH NEW CONSTRUCTION SHALL BE REMOVED.
8. FOR TEMPORARY PAVEMENT MARKING DEPLOYMENT, THE CONTRACTOR SHALL REPLACE ALL ORIGINALLY DISTURBED PAVEMENT MARKINGS IN-KIND FOLLOWING THE END OF THE HEALTHY STREETS PROGRAM, UNLESS OTHERWISE DIRECTED BY ENGINEER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN A LOG OF THE LOCATION AND TYPE OF ALL EXISTING PAVEMENT MARKINGS, OR ANY OTHER INFORMATION DEEMED NECESSARY TO RETURN THE APPLICABLE CORRIDOR IN THE ORIGINAL CONDITIONS. THIS LOG SHALL BE REVIEWED AND APPROVED BY THE CITY OF ANN ARBOR OR PROJECT ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK. PAYMENT FOR THESE ACTIVITIES IS INCLUDED IN THE PAVEMENT MARKING PAY ITEMS AND SHALL NOT BE PAID SEPARATELY. INSTALLATION OF THE ORIGINALLY DISTURBED PAVEMENT MARKINGS SHALL FOLLOW ALL LAYOUT APPROVALS, INSPECTIONS, AND REQUIREMENT AS OTHER PERMANENT PAVEMENT MARKING INSTALLATIONS.
9. THE CONTRACTOR SHALL INDICATE THE METHOD OF PAVEMENT MARKING REMOVAL USED FOR THE PAY ITEMS OF "Rem Spec Mrkg", "Pavt Mrkg, Longit, 6 inch or Less Width, Rem", AND "Pavt Mrkg, Longit, Greater than 6 inch Width, Rem". METHOD OF REMOVAL MAY INCLUDE SAND-BLASTING OR GRINDING OR OTHER AS DIRECTED BY ENGINEER. CONTRACTOR SHALL PROVIDE UNIT PRICES FOR EACH METHOD OF REMOVAL, WHERE AND IF APPLICABLE. THE ENGINEER SHALL INFORM THE CONTRACTOR AS TO WHICH ONE SHALL BE APPLICABLE FOR THIS PROJECT.

QUANTITIES: MISCELLANEOUS AND AS-DIRECTED		
PAY ITEM	QTY	UNIT
Mobilization, Max	1	LSUM
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	10	Ea
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	10	Ea
Channelizing Device, 42 inch, Fluorescent, Furn	100	Ea
Channelizing Device, 42 inch, Fluorescent, Oper	100	Ea
Lighted Arrow, Type C, Furn	2	Ea
Lighted Arrow, Type C, Oper	2	Ea
Minor Traf Devices	1	LSUM
Mobile Attenuator	2	Ea
Plastic Drum, Fluorescent, Furn	50	Ea
Plastic Drum, Fluorescent, Oper	50	Ea
Sign Cover	50	Ea
Sign, Portable, Changeable Message, Furn	2	Ea
Sign, Portable, Changeable Message, Oper	2	Ea
Traf Regulator Control	1	LSUM
Lane Separator System	15	Ea

QUANTITIES: S. MAIN STREET - STATE STADIUM BLVD. TO WILLIAM ST.		
PAY ITEM	QTY	UNIT
Pavt Mrkg, Sprayable Thermopl, 4 inch, White	2400	Ft
Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	7100	Ft
Pavt Mrkg, Thermopl, 24 inch, Stop Bar	200	Ft
Rem Spec Mrkg	4000	Sft
Witness, Log, \$1,000.00	1	Dir
Pavt Mrkg, Preformed Thermopl, Lt Turn Arrow Sym	2	Ea
Pavt Mrkg, Longit, 6 inch or Less Width, Rem	31000	Ft
Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	150	Ft
Pavt Mrkg, Type NR, Paint, 24 inch, Stop Bar	250	Ft
Pavt Mrkg, Type NR, Paint, Lt Turn Arrow	4	Ea
Pavt Mrkg, Type NR, Paint, Rt Turn Arrow	2	Ea
Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8500	Ft
Sign Cover	25	Ea
Sign, Type B, Temp, Prismatic, Furn	94	Sft
Sign, Type B, Temp, Prismatic, Oper	94	Sft
Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp	13000	Ft
Pavt Mrkg, Wet Reflective, Type NR, Paint, 12 inch, White, Temp	150	Ft
Pavt Mrkg, Type NR, Paint, Only	2	Ea
Pavt Mrkg, Type NR, Paint, Direction Arrow Sym, Bike	15	Ea
Pavt Mrkg, Type NR, Paint, Bike, Small Sym	15	Ea
Pavt Mrkg, Type NR, Paint, Sharrow Sym	2	Ea
Pavt Mrkg, Type NR, Paint, 12 inch, Cross Hatching, White	2000	Ft
Lane Separator System	52	Ea

QUANTITIES: PACKARD STREET - STATE ST. TO HILL ST.		
PAY ITEM	QTY	UNIT
Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	560	Ft
Pavt Mrkg, Sprayable Thermopl, 6 inch, White	700	Ft
Pavt Mrkg, Thermopl, 12 inch, Cross Hatching, White	300	Ft
Pavt Mrkg, Thermopl, 24 inch, Stop Bar	70	Ft
Rem Spec Mrkg	330	Sft
Pavt Mrkg, Sprayable Thermopl, 6 inch, Dotted Thru Guide Line, White	70	Ft
Pavt Mrkg, Preformed Thermopl, Bike Thru Arrow Sym	1	Ea
Pavt Mrkg, Preformed Thermopl, Bike, Small Sym	1	Ea
Pavt Mrkg, Longit, 6 inch or Less Width, Rem	910	Ft

QUANTITIES - PACKARD STREET - EISENHOWER PKWY. TO US-23		
PAY ITEM	QTY	UNIT
Pavt Mrkg, Sprayable Thermopl, 4 inch, White	4800	Ft
Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	18000	Ft
Pavt Mrkg, Sprayable Thermopl, 6 inch, White	14200	Ft
Pavt Mrkg, Thermopl, 12 inch, Cross Hatching, White	350	Ft
Pavt Mrkg, Thermopl, 24 inch, Stop Bar	290	Ft
Rem Spec Mrkg	1600	Sft
Pavt Mrkg, Sprayable Thermopl, 6 inch, Dotted Thru Guide Line, White	610	Ft
Pavt Mrkg, Preformed Thermopl, Bike Thru Arrow Sym	20	Ea
Pavt Mrkg, Preformed Thermopl, Bike, Small Sym	20	Ea
Pavt Mrkg, Preformed Thermopl, Lt Turn Arrow Sym	10	Ea
Pavt Mrkg, Preformed Thermopl, Sharrow Sym	1	Ea
Pavt Mrkg, Longit, 6 inch or Less Width, Rem	24000	Ft



01	FINAL PLANS TO CITY	DATE	4/06/2021	GH	DRAWN	CHS	CHECKED
	DESCRIPTION						
	REV.						

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PROJECT MANAGEMENT - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM
NOTE SHEET & QUANTITIES

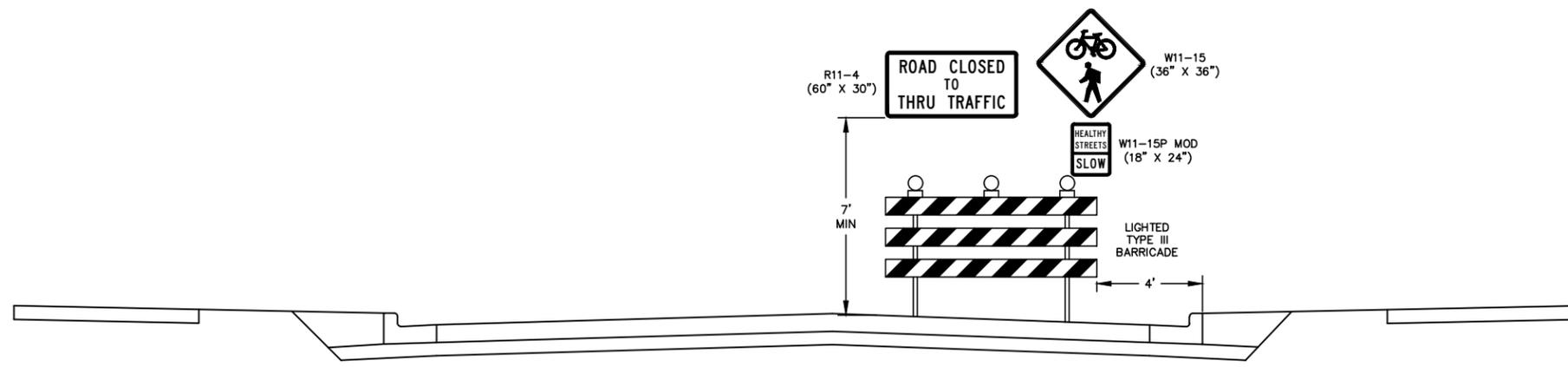
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SHEET No.



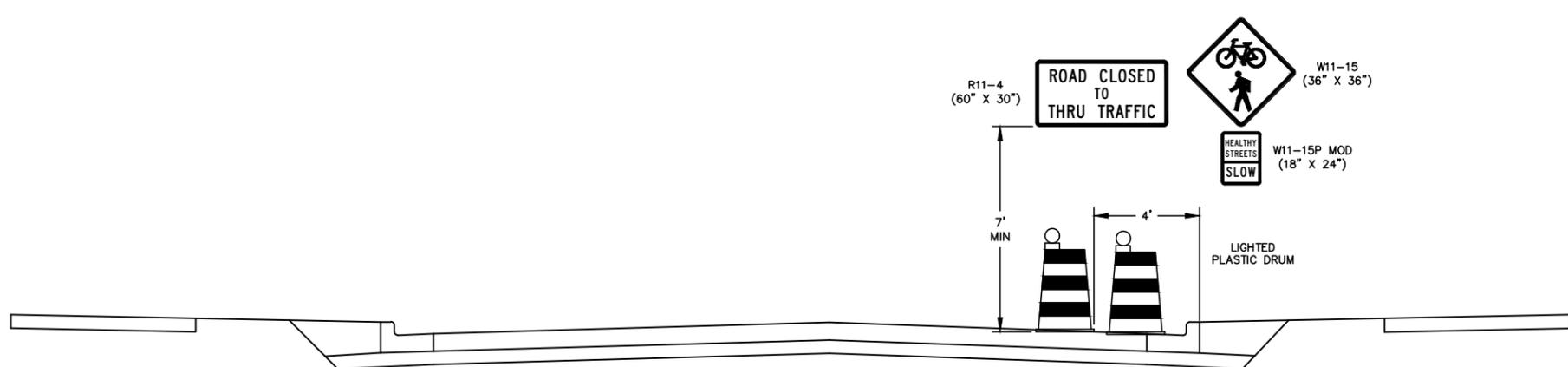
REV.	DATE	DESCRIPTION
03	4/06/2021	FINAL PLANS TO CITY
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW
01	3/23/2021	ISSUED FOR INITIAL CITY REVIEW

CITY OF ANN ARBOR
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 ANN ARBOR 734-794-4410
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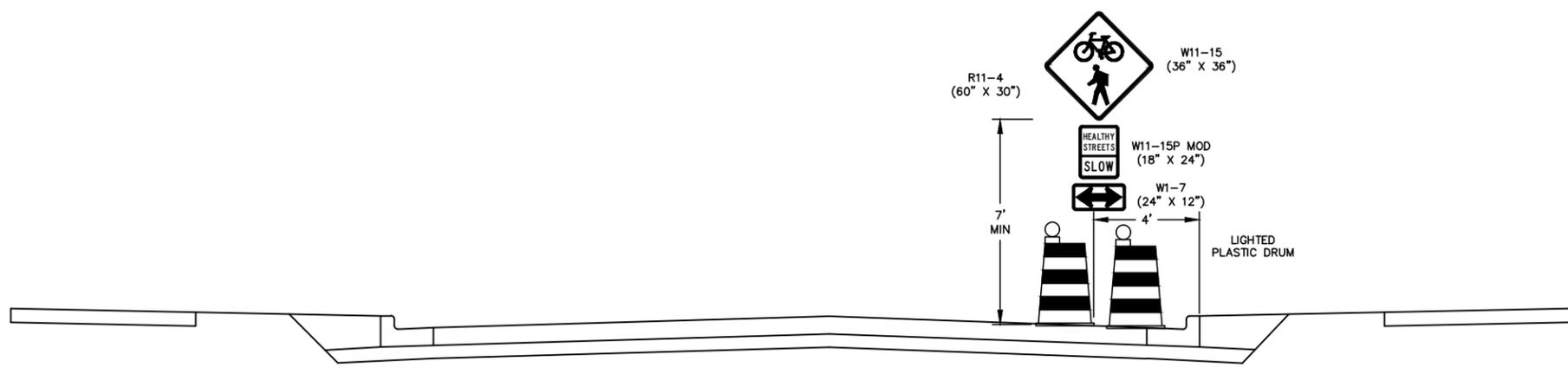
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 HEALTHY STREETS PROGRAM
 NEIGHBORHOOD SLOW STREET TYPICALS



MAIN STREET
 RESIDENTIAL HEALTHY STREET
 TYPICAL A
 (FOR ROAD PAVEMENT WIDTHS 28 FT OR WIDER)



MAIN STREET
 RESIDENTIAL HEALTHY STREET
 TYPICAL B
 (FOR ROAD PAVEMENT WIDTHS LESS THAN 28 FT)



CROSS STREET
 RESIDENTIAL HEALTHY STREET
 TYPICAL C

RESIDENTIAL HEALTHY STREETS LOCATION AND DEPLOYMENT QUANTITIES				
HEALTHY STREET	LIMITS - FROM	LIMITS - TO	END TREATMENT	NUMBER OF CROSS STREETS
Arborview Blvd	Miller	Westwood	Typical A	11
Baldwin Ave	Stadium	Packard	Typical A	1
Brandywine Dr	Packard	Yost	Typical B	1
Broadway St	Plymouth	Plymouth	Typical A	2
Brooklyn Ave	Packard	Golden	Typical A	1
Bydding Rd	Brooks	Summit/Miner	Typical A	2
Chapin St	Huron	Miller	Typical B	0
Crest Ave	Huron	Liberty	Typical A	4
Elmwood Ave Bike Blvd	Packard	Edgewood	Typical A	4
Granger Ave	Ferdon	Packard	Typical A	6
Harpst St	Packard	Tremmel	Typical A (only 1)	2
Hikone Dr	Hikone	South End	Typical B (only 1)	0
Iroquois Pl	Packard	Stadium	Typical A/B	0
Jewett Ave	Page	Packard	Typical A	0
Lillian Rd	Eli	Terhune	Typical A	0
Longshore Dr	Barton	Argo Livery Parking	Typical A	3
Morton Ave	Harding	Baldwin	Typical A	2
North Fourth Ave	Beakes	Depot	Typical A	1
Redwood Ave	Platt	Nordman Rd	Typical A	4
Shadowood Dr	Ellsworth	Hemlock	Typical B	1
Snyder Ave	Seventh	Main	Typical A	7
Springbrook St	Packard	Marshall	Typical A	7
Starwick Dr	Pontiac	Barton	Typical A	0
Sunset Rd	Newport	Wildt	Typical B	6
Washington Bike Blvd	Revena	First	Typical A	13
Yost Blvd	Washtenaw	Terhune	Typical B and 3	3
Chandler Rd	Barton	Indianola	Typical A	2
W. Summit St	Hiscock	Brooks	Typical A	11
Northside Ave	Barton	Pontiac	Typical A	1
Maplewood Ave	Packard	Edgewood	Typical A	4
Rosewood St	Packard	S. Industrial	Typical A	2
Worden Ave	Jackson	Dexter	Typical A	0
West Davis Ave	Main	Seventh	Typical A	7
S. Revena Blvd	Huron	Chartton	Typical A	2
TOTALS			TYPICAL A = 55 TYPICAL B = 11	TYPICAL C = 110

QUANTITIES - RESIDENTIAL HEALTHY STREET TYPICAL A (QTY PER APPROACH)		
PAY ITEM	QTY	UNIT
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	1	Ea
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	1	Ea
Sign, Type B, Temp, Prismatic, Furn	21.5	Sft
Sign, Type B, Temp, Prismatic, Oper	21.5	Sft
Sign, Type B, Temp, Prismatic, Spec, Furn	3	Sft
Sign, Type B, Temp, Prismatic, Spec, Oper	3	Sft

QUANTITIES - RESIDENTIAL HEALTHY STREET TYPICAL B (QTY PER APPROACH)		
PAY ITEM	QTY	UNIT
Plastic Drum, Fluorescent, Furn	2	Ea
Plastic Drum, Fluorescent, Oper	2	Ea
Sign, Type B, Temp, Prismatic, Furn	21.5	Sft
Sign, Type B, Temp, Prismatic, Oper	21.5	Sft
Sign, Type B, Temp, Prismatic, Spec, Furn	3	Sft
Sign, Type B, Temp, Prismatic, Spec, Oper	3	Sft

QUANTITIES - RESIDENTIAL HEALTHY STREET TYPICAL C (QTY PER APPROACH)		
PAY ITEM	QTY	UNIT
Plastic Drum, Fluorescent, Furn	2	Ea
Plastic Drum, Fluorescent, Oper	2	Ea
Sign, Type B, Temp, Prismatic, Furn	11	Sft
Sign, Type B, Temp, Prismatic, Oper	11	Sft
Sign, Type B, Temp, Prismatic, Spec, Furn	3	Sft
Sign, Type B, Temp, Prismatic, Spec, Oper	3	Sft

- NOTES:
- SIGNS SHALL BE PLACED AND SECURED BEHIND TYPE III BARRICADES OR PLASTIC DRUMS.
 - SIGNS SHALL BE INSTALLED SO THAT THEY DO NOT INTERFERE WITH MOTORIZED OR NON-MOTORIZED USER MOVEMENT.
 - SIGNS VISIBILITY SHALL NOT BE BLOCKED AT ANY TIME.
 - QUANTITIES PRESENTED FOR EACH TYPICAL ARE ON PER APPROACH BASIS.



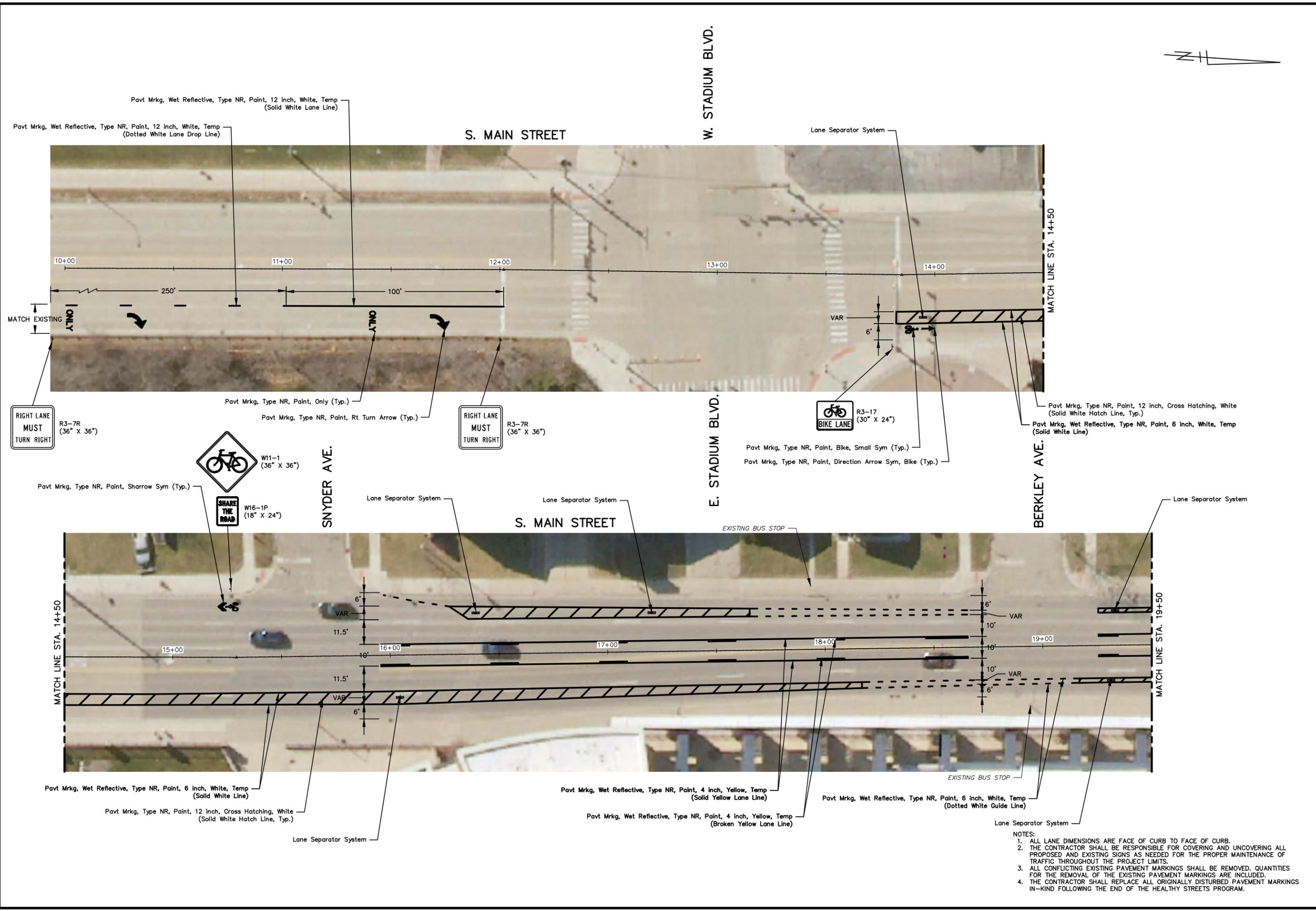
REV.	DATE	DESCRIPTION
03	4/06/2021	FINAL PLANS TO CITY
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM
PLAN - S. MAIN STREET
P.O.B. TO STA 19+50

SCALE: PLAN: 1" = 20'
DRAWING No. mo01.dwg
SHEET No.



- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL PROPOSED AND EXISTING SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE PROJECT LIMITS.
 3. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
 4. THE CONTRACTOR SHALL REPLACE ALL ORIGINALLY DISTURBED PAVEMENT MARKINGS IN-KIND FOLLOWING THE END OF THE HEALTHY STREETS PROGRAM.



REV.	DATE	DESCRIPTION	DRAWN	CHECKED
03	4/06/2021	FINAL PLANS TO CITY	GH	CHS
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01	3/23/2021	ISSUED FOR INITIAL CITY REVIEW	GH	CHS

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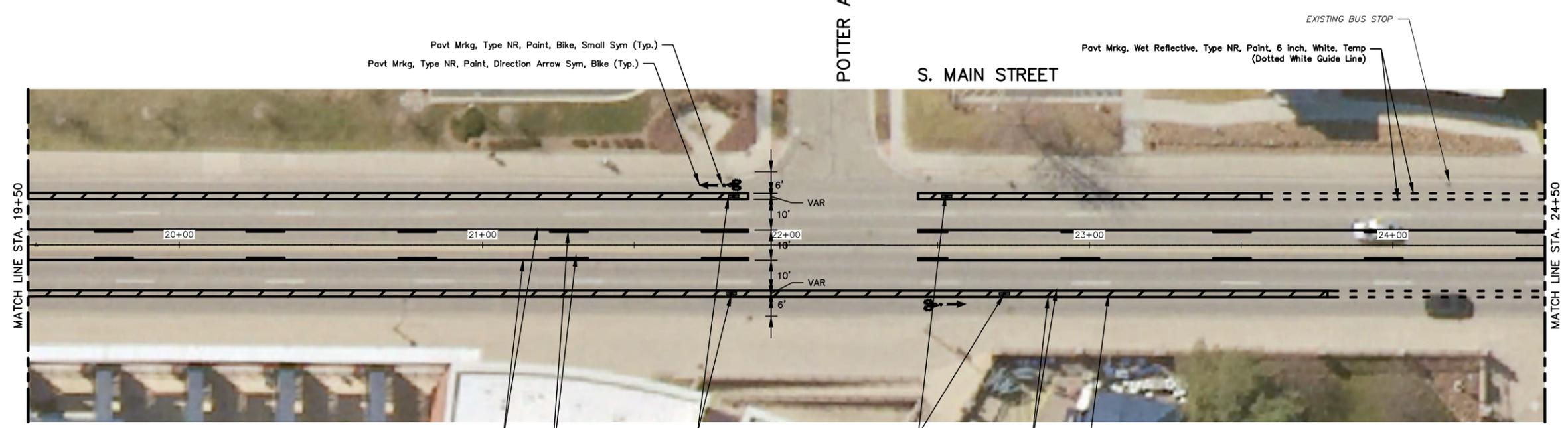
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM
PLAN - S. MAIN STREET
STA 19+50 TO STA 29+50

SCALE: PLAN: 1" = 20'
DRAWING No.
mto02.dwg



POTTER AVE.

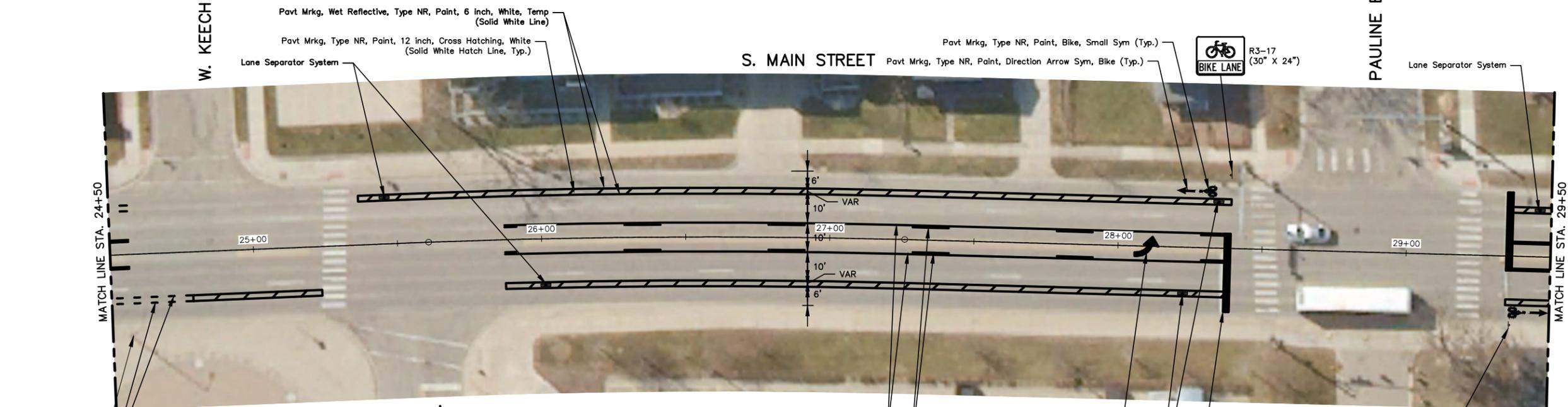
S. MAIN STREET



W. KEECH AVE.

S. MAIN STREET

PAULINE BLVD.



- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL PROPOSED AND EXISTING SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE PROJECT LIMITS.
 3. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
 4. THE CONTRACTOR SHALL REPLACE ALL ORIGINALLY DISTURBED PAVEMENT MARKINGS IN-KIND FOLLOWING THE END OF THE HEALTHY STREETS PROGRAM.



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
03	FINAL PLANS TO CITY	4/06/2021	GH	CHS
02	ISSUED FOR FINAL CITY REVIEW	4/01/2021	GH	CHS
01	ISSUED FOR INITIAL CITY REVIEW	3/23/2021	GH	CHS

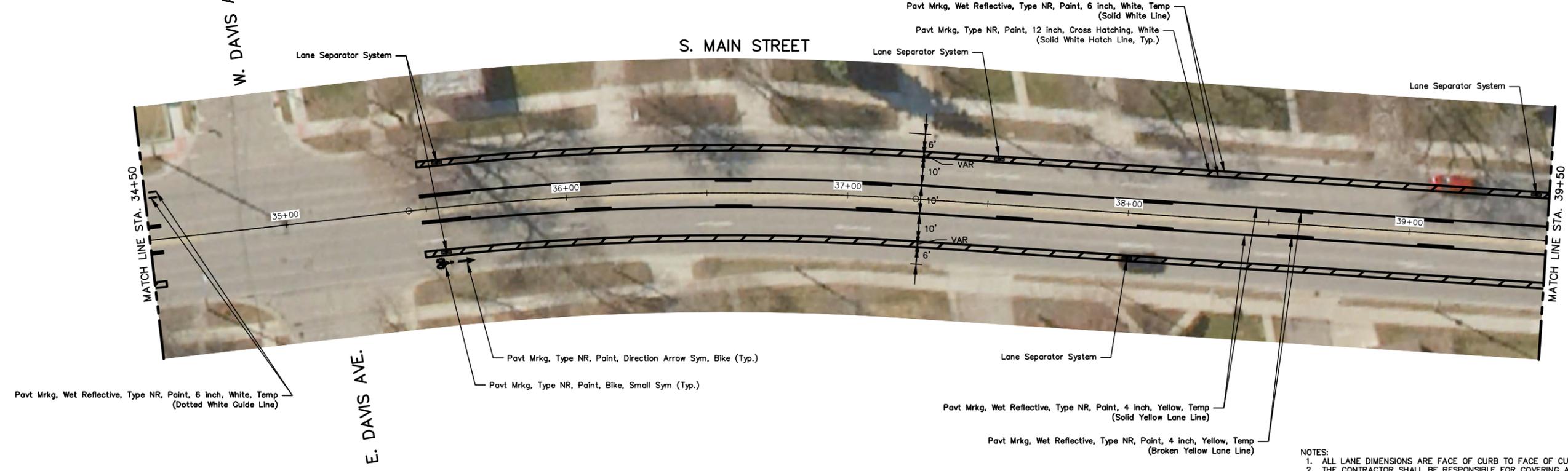
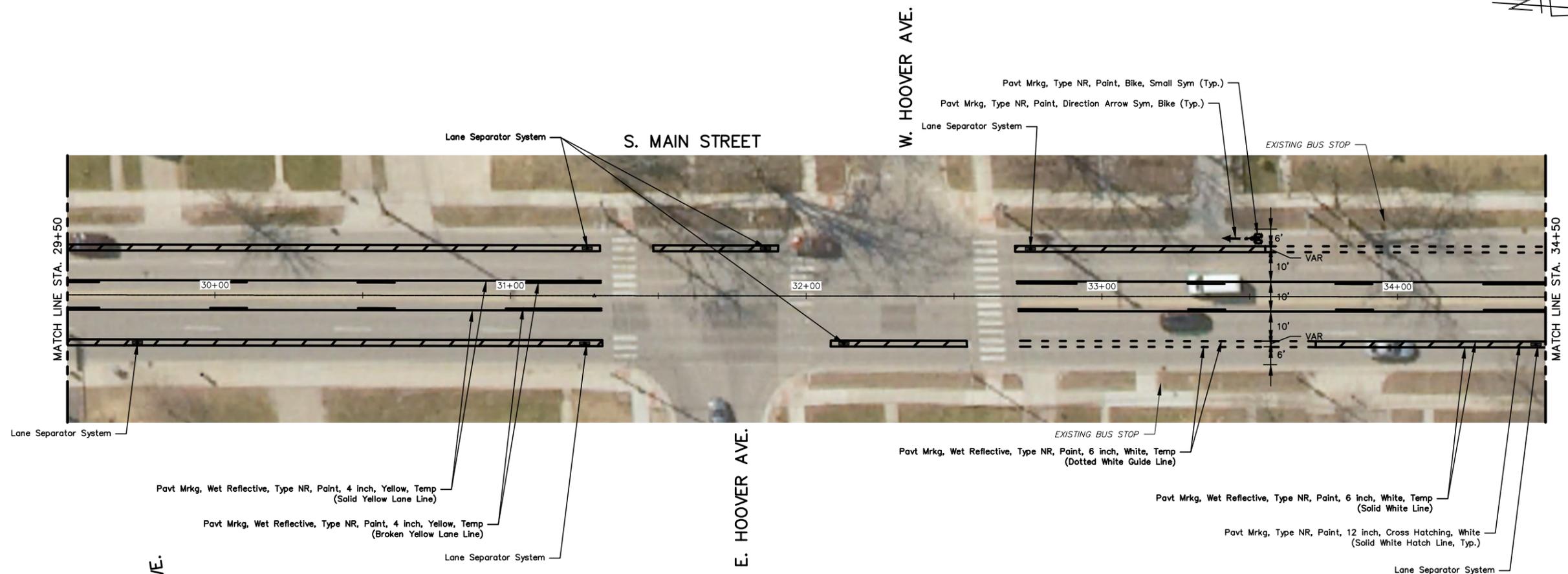
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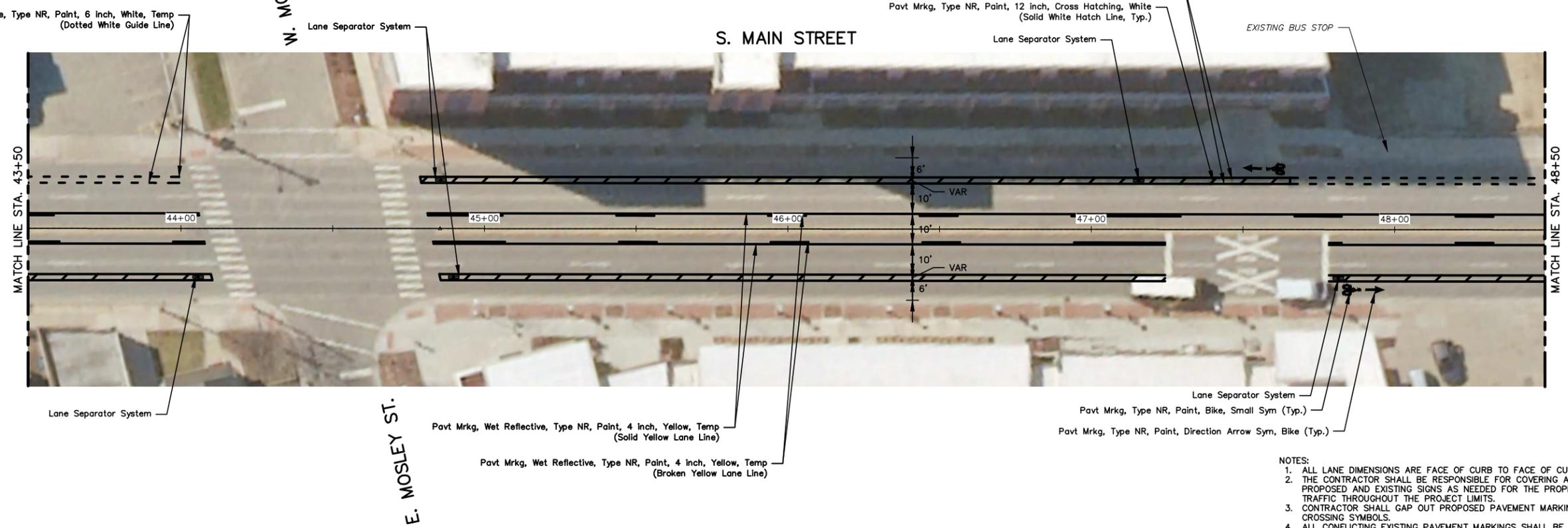
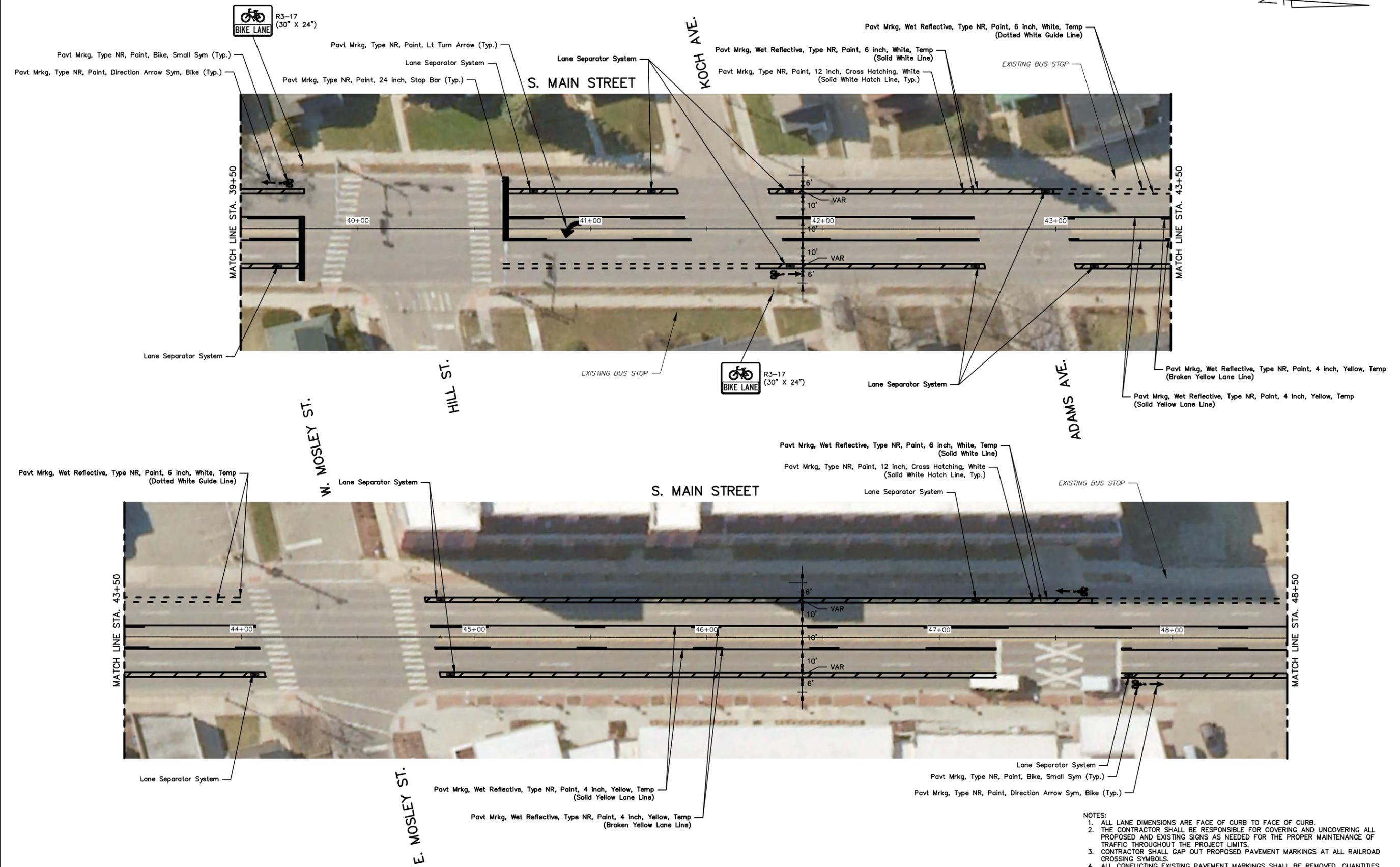
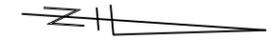
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM

PLAN - S. MAIN STREET
STA 29+50 TO STA 39+50

SCALE: PLAN: 1" = 20'
DRAWING No. mto103.dwg



- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL PROPOSED AND EXISTING SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE PROJECT LIMITS.
 3. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
 4. THE CONTRACTOR SHALL REPLACE ALL ORIGINALLY DISTURBED PAVEMENT MARKINGS IN-KIND FOLLOWING THE END OF THE HEALTHY STREETS PROGRAM.



- NOTES:**
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL PROPOSED AND EXISTING SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE PROJECT LIMITS.
 3. CONTRACTOR SHALL GAP OUT PROPOSED PAVEMENT MARKINGS AT ALL RAILROAD CROSSING SYMBOLS.
 4. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
 5. THE CONTRACTOR SHALL REPLACE ALL ORIGINALLY DISTURBED PAVEMENT MARKINGS IN-KIND FOLLOWING THE END OF THE HEALTHY STREETS PROGRAM.

REV.	DATE	DESCRIPTION	CHECKED	DRAWN
03	4/06/2021	FINAL PLANS TO CITY	CHS	GH
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW	CHS	GH
01	3/23/2021	ISSUED FOR INITIAL CITY REVIEW	CHS	GH

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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM

PLAN - S. MAIN STREET
 STA 39+50 TO STA 48+50

SCALE: PLAN: 1" = 20'
 DRAWING No. mo/04.dwg
 SHEET No.



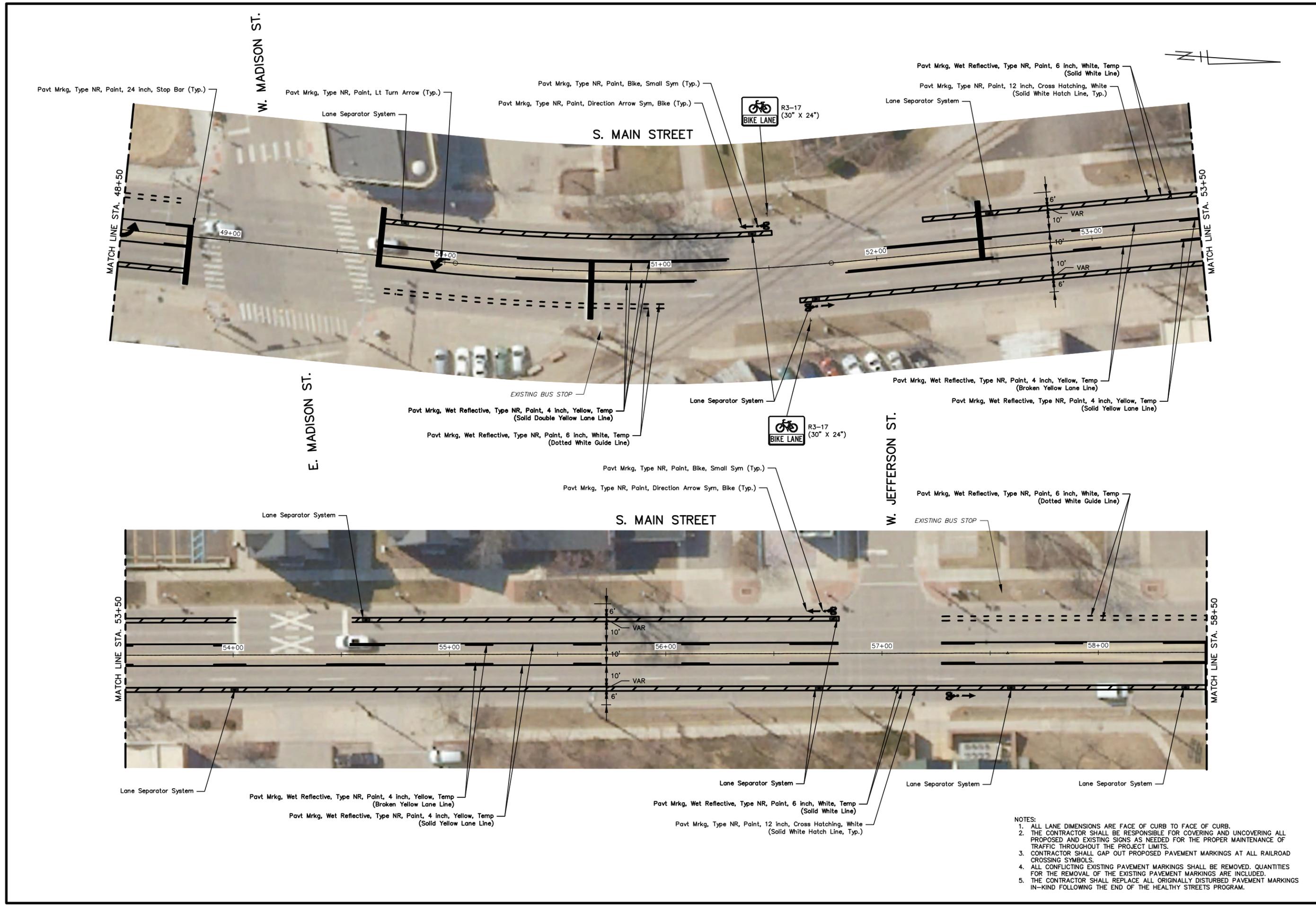
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
03	FINAL PLANS TO CITY	4/06/2021	GH	CHS
02	ISSUED FOR FINAL CITY REVIEW	4/01/2021	GH	CHS
01	ISSUED FOR INITIAL CITY REVIEW	3/23/2021	GH	CHS

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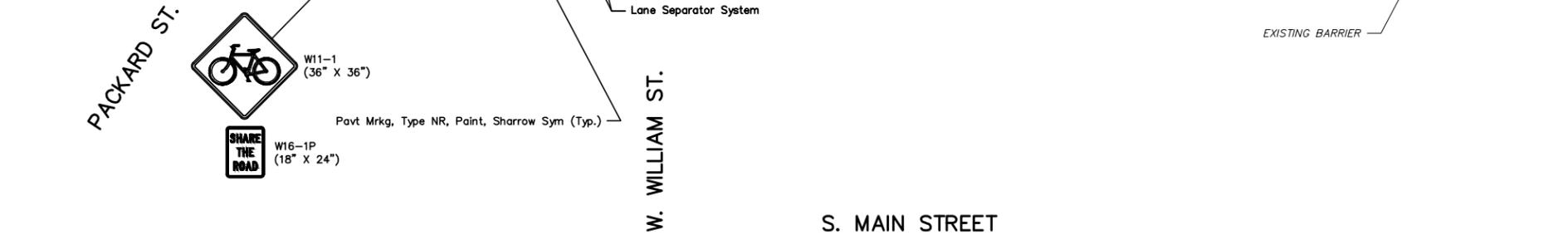
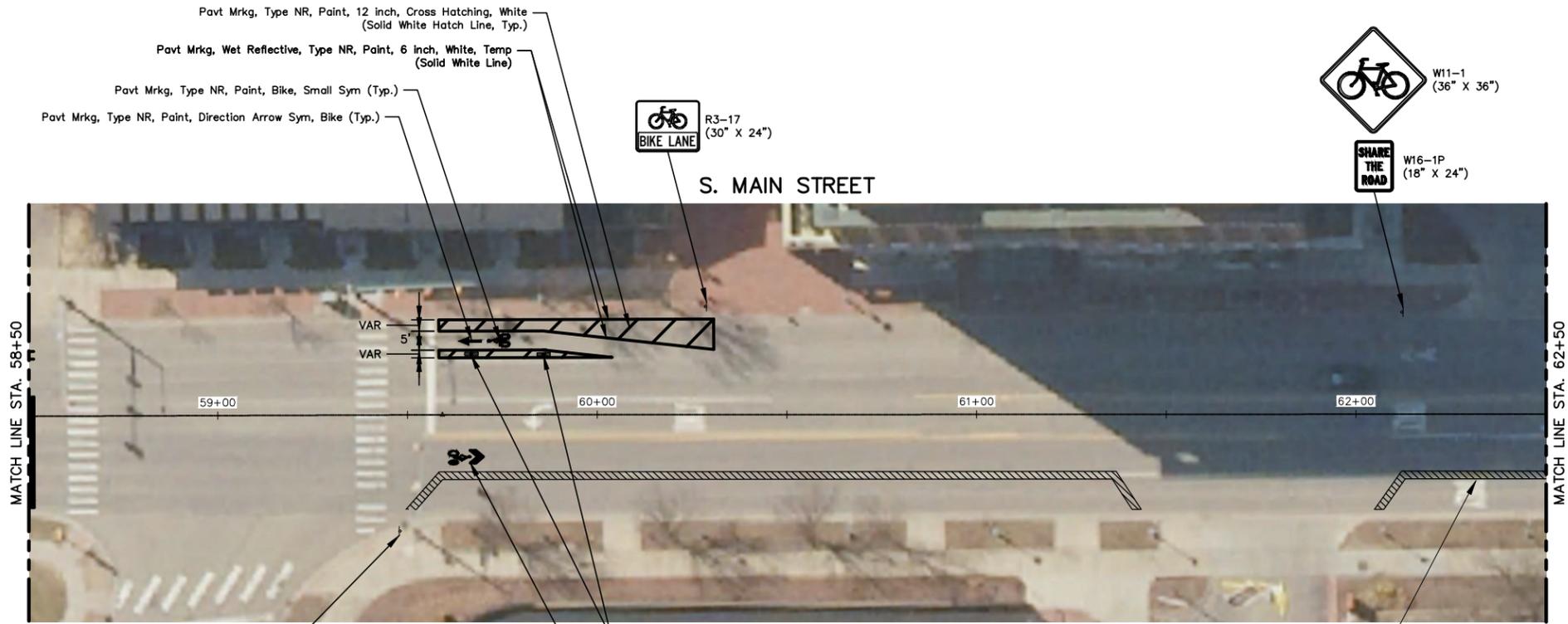


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM
PLAN - S. MAIN STREET
STA 48+50 TO STA 58+50

SCALE: PLAN: 1" = 20'
DRAWING No. m0105.dwg



- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL PROPOSED AND EXISTING SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE PROJECT LIMITS.
 3. CONTRACTOR SHALL GAP OUT PROPOSED PAVEMENT MARKINGS AT ALL RAILROAD CROSSING SYMBOLS.
 4. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
 5. THE CONTRACTOR SHALL REPLACE ALL ORIGINALLY DISTURBED PAVEMENT MARKINGS IN-KIND FOLLOWING THE END OF THE HEALTHY STREETS PROGRAM.



Pavt Mrkg, Type NR, Paint, 12 inch, Cross Hatching, White
(Solid White Hatch Line, Typ.)

Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp
(Solid White Line)

Pavt Mrkg, Type NR, Paint, Bike, Small Sym (Typ.)

Pavt Mrkg, Type NR, Paint, Direction Arrow Sym, Bike (Typ.)

R3-17
(30" X 24")
BIKE LANE

S. MAIN STREET

W11-1
(36" X 36")

W16-1P
(18" X 24")
SHARE THE ROAD

MATCH LINE STA. 58+50

MATCH LINE STA. 62+50

PACKARD ST.

W11-1
(36" X 36")

W16-1P
(18" X 24")
SHARE THE ROAD

Pavt Mrkg, Type NR, Paint, Sharrow Sym (Typ.)

W. WILLIAM ST.

S. MAIN STREET

MATCH LINE STA. 62+50

EXISTING BARRIER

E. WILLIAM ST.

- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL PROPOSED AND EXISTING SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE PROJECT LIMITS
 3. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

HEALTHY STREETS PROGRAM

PLAN - S. MAIN STREET
STA 58+50 TO P.O.E.

SCALE: PLAN: 1" = 20'

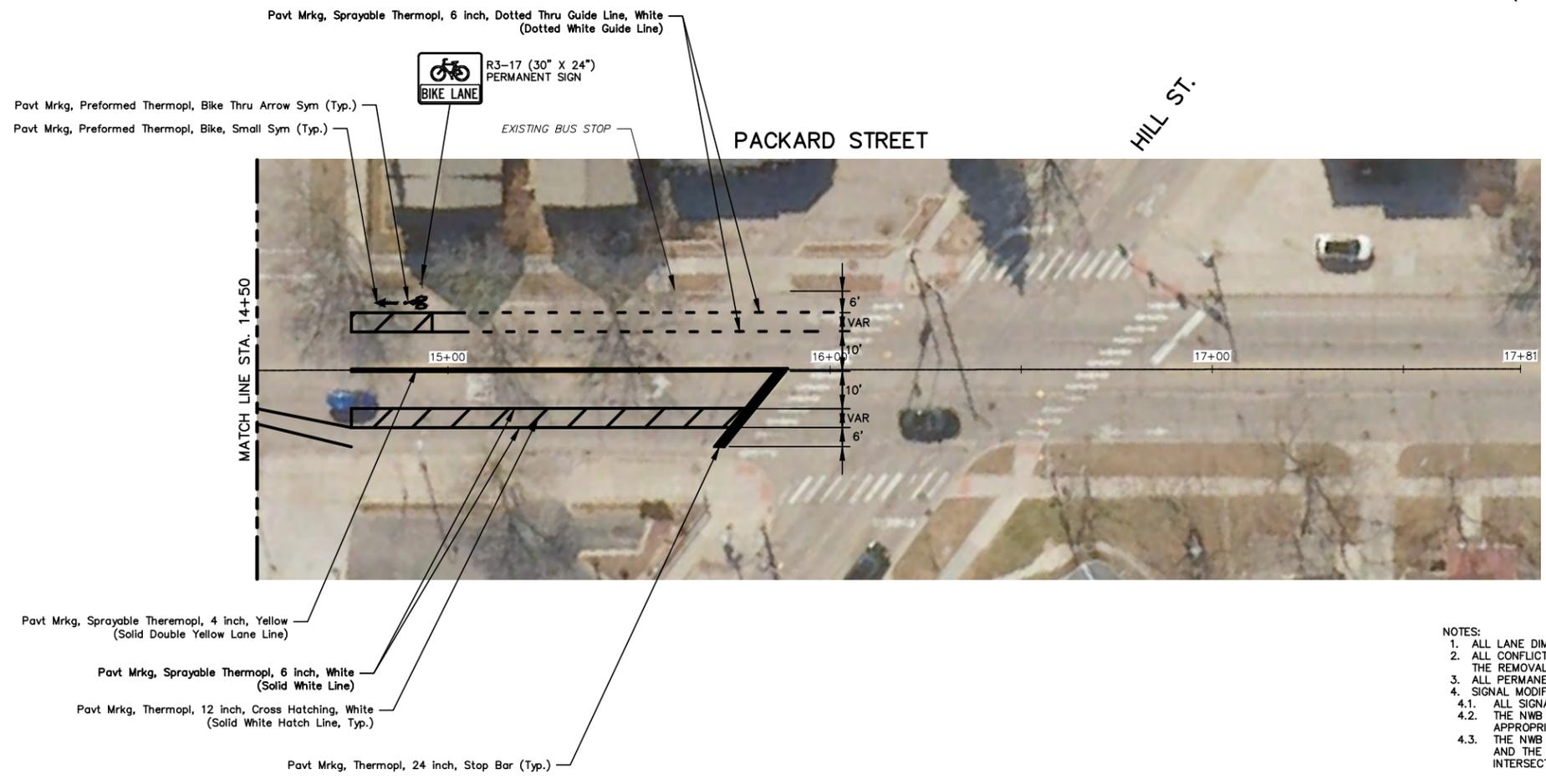
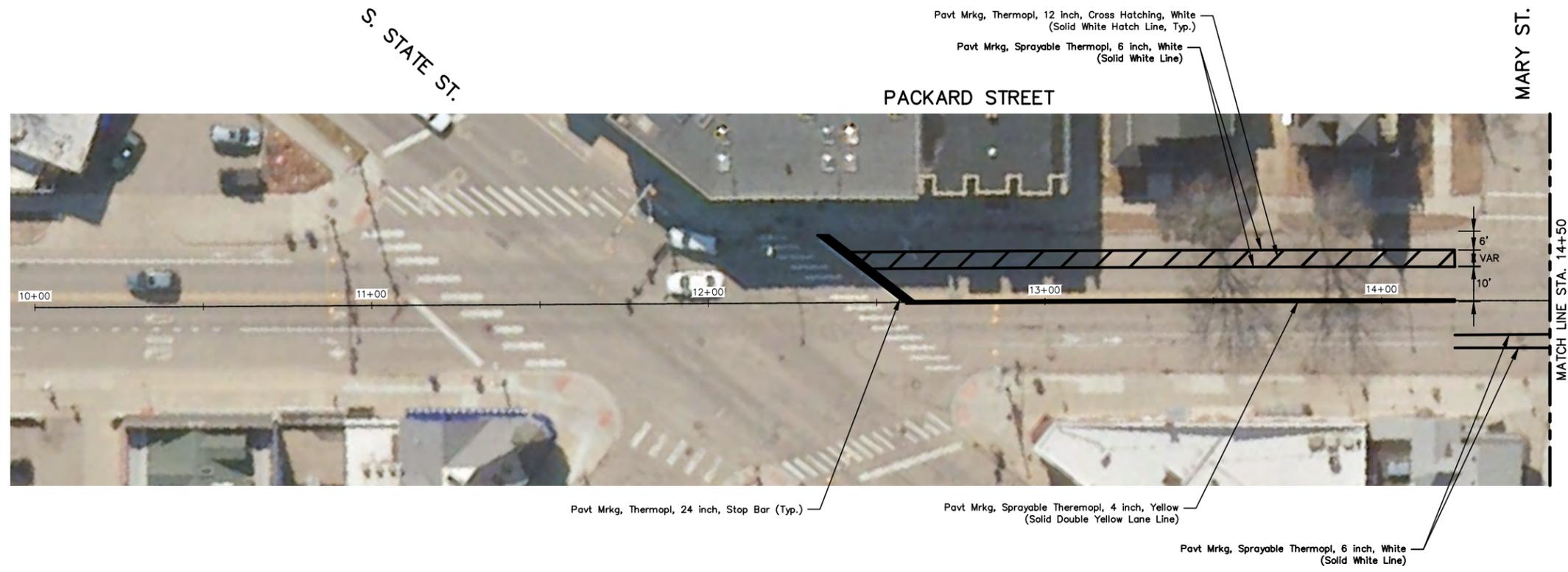
DRAWING No.
mro106.dwg

SHEET No.
10 of 22

811
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REV.	DATE	DESCRIPTION	DRAWN	CHECKED
03	4/06/2021	FINAL PLANS TO CITY	GH	CHS
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW	GH	CHS
01	3/23/2021	ISSUED FOR INITIAL CITY REVIEW	GH	CHS

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
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- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
 3. ALL PERMANENT SIGNING SHALL BE INSTALLED BY THE CITY OF ANN ARBOR.
 4. SIGNAL MODIFICATION - PACKARD ST & HILL ST
 - 4.1. ALL SIGNAL WORK SHALL BE PERFORMED BY THE CITY OF ANN ARBOR.
 - 4.2. THE NWB LEFT-TURN SIGNAL HEAD SHALL BE REMOVED AND STORED APPROPRIATELY.
 - 4.3. THE NWB LEFT-TURN SIGNAL PHASE SHALL BE REMOVED FROM SIGNAL OPERATIONS AND THE SIGNAL TIMING SHALL BE MODIFIED AS NECESSARY SO THAT THE INTERSECTION PERFORMS ADEQUATELY WITHOUT A NWB LEFT-TURN.

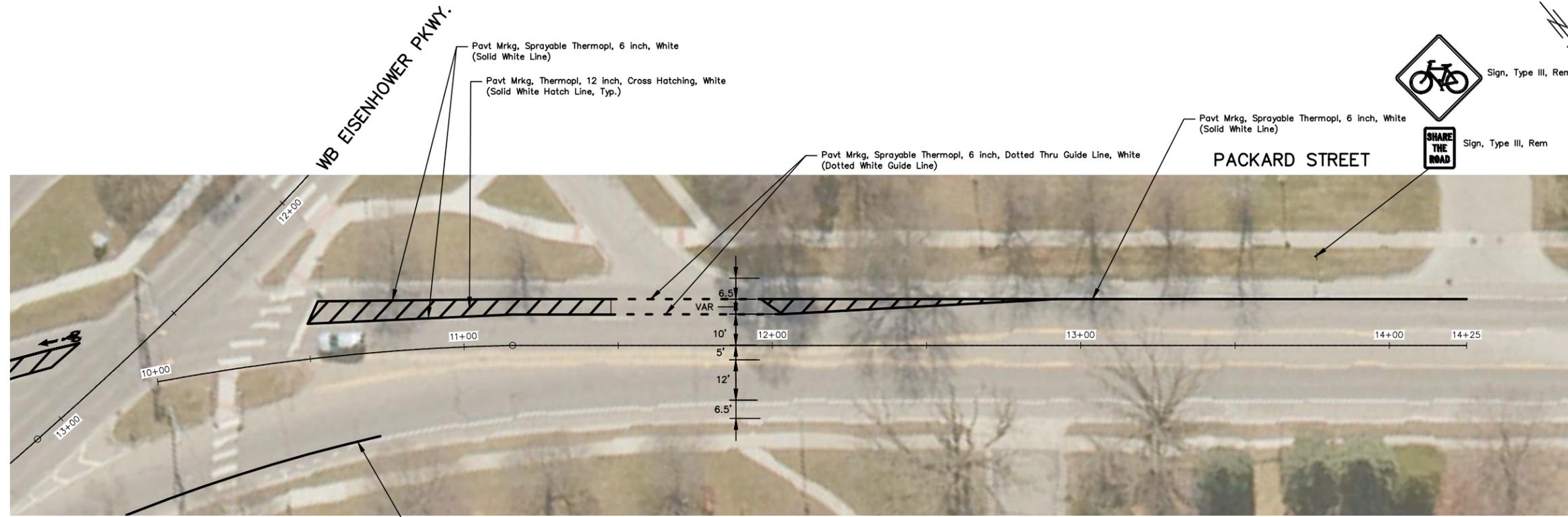


REV.	DATE	DESCRIPTION	DRAWN	CHECKED
03	4/06/2021	FINAL PLANS TO CITY	GH	CHS
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW	GH	CHS
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 HEALTHY STREETS PROGRAM
 PLAN - PACKARD STREET
 P.O.B. TO P.O.E.

SCALE: PLAN: 1" = 20'
 DRAWING No. m0707.dwg



- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
 3. ALL PERMANENT SIGNING SHALL BE INSTALLED BY THE CITY OF ANN ARBOR.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
03	FINAL PLANS TO CITY	4/06/2021	GH	GH
02	ISSUED FOR FINAL CITY REVIEW	4/01/2021	CGV	GH
01	ISSUED FOR INITIAL CITY REVIEW	3/23/2021	CGV	GH

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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 HEALTHY STREETS PROGRAM
 PLAN - PACKARD STREET
 P.O.B. TO P.O.E.

SCALE: PLAN: 1" = 20'
 DRAWING No.
 mto028.dwg



REV.	DESCRIPTION	DATE	GV	GH	CHECKED
03	FINAL PLANS TO CITY	4/06/2021	GV	GH	
02	ISSUED FOR FINAL CITY REVIEW	4/01/2021	GV	GH	
01	ISSUED FOR INITIAL CITY REVIEW	3/23/2021	GV	GH	

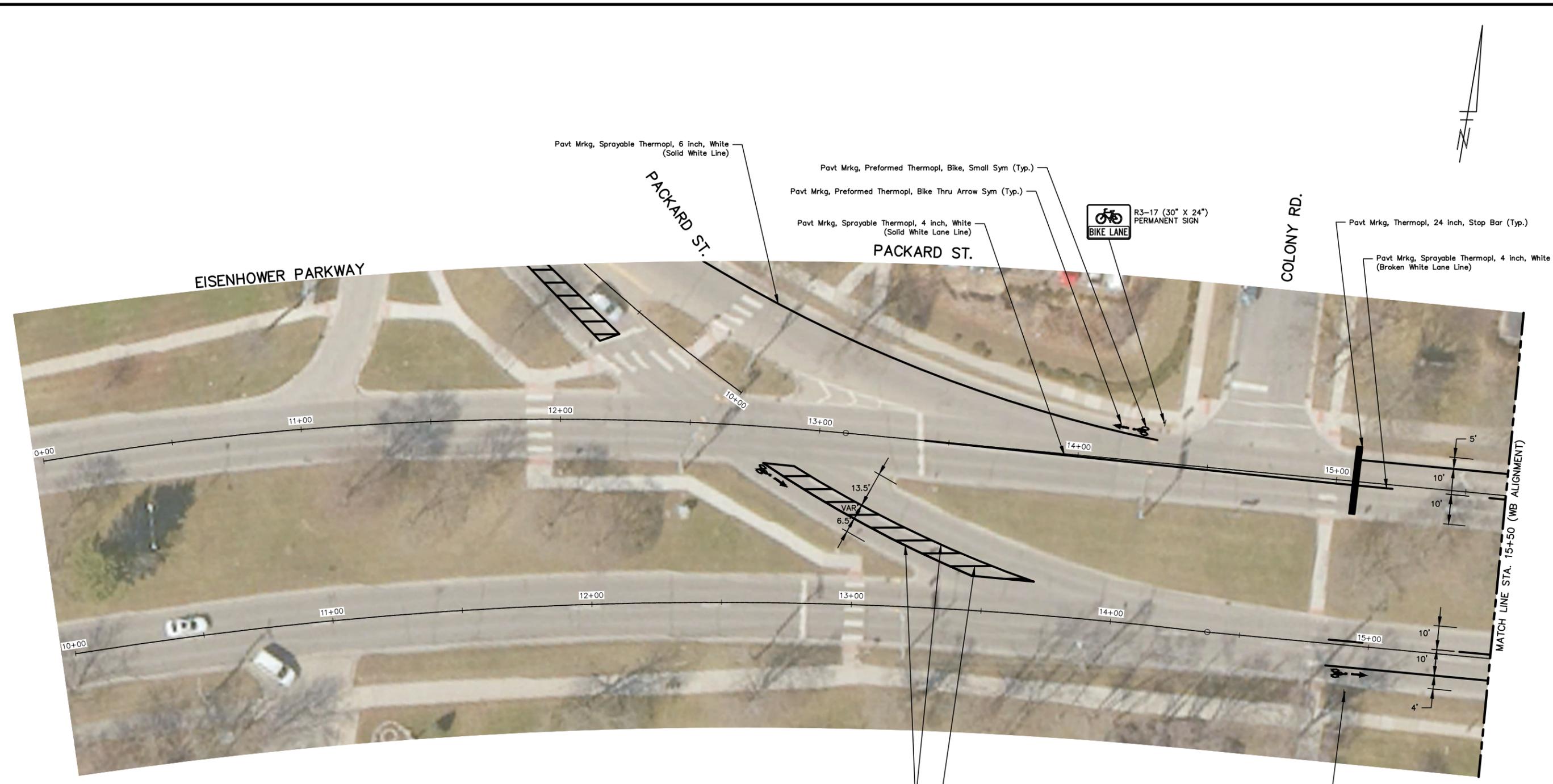
CITY OF ANN ARBOR
PUBLIC SERVICES
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ANN ARBOR MI 48106-0667
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM

PLAN - PACKARD STREET
P.O.B. TO STA 15+50

SCALE: PLAN: 1" = 20'
DRAWING No.
mto09.dwg



- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
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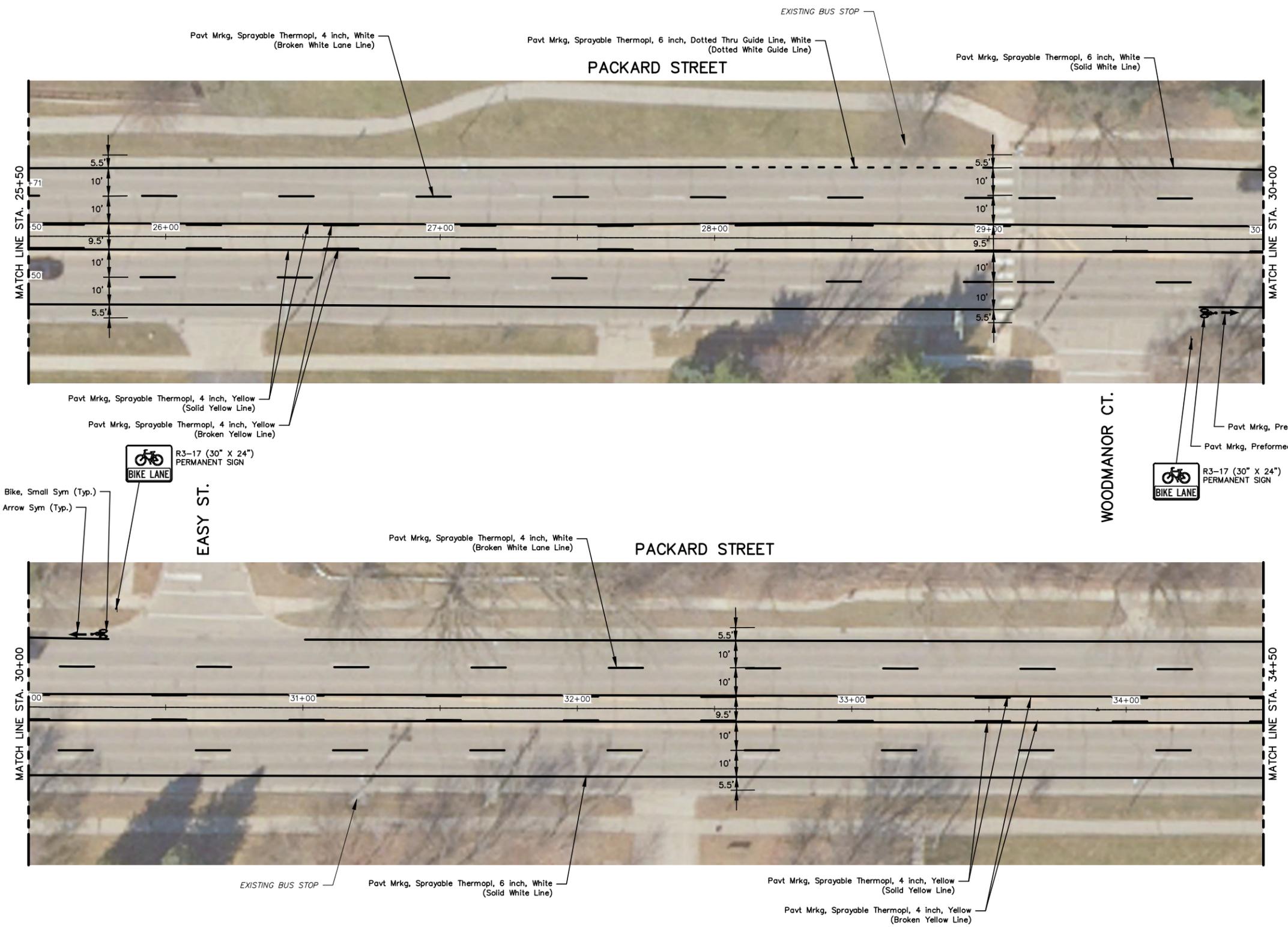
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
03	4/06/2021	FINAL PLANS TO CITY	CGV	GH
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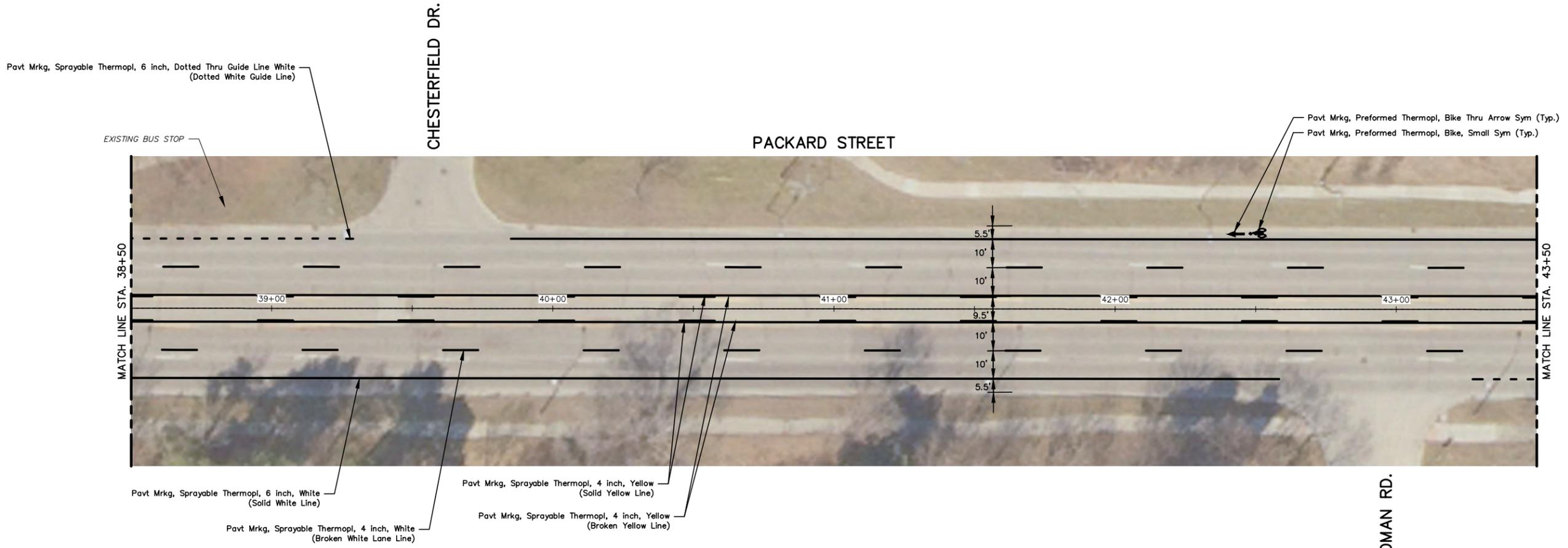
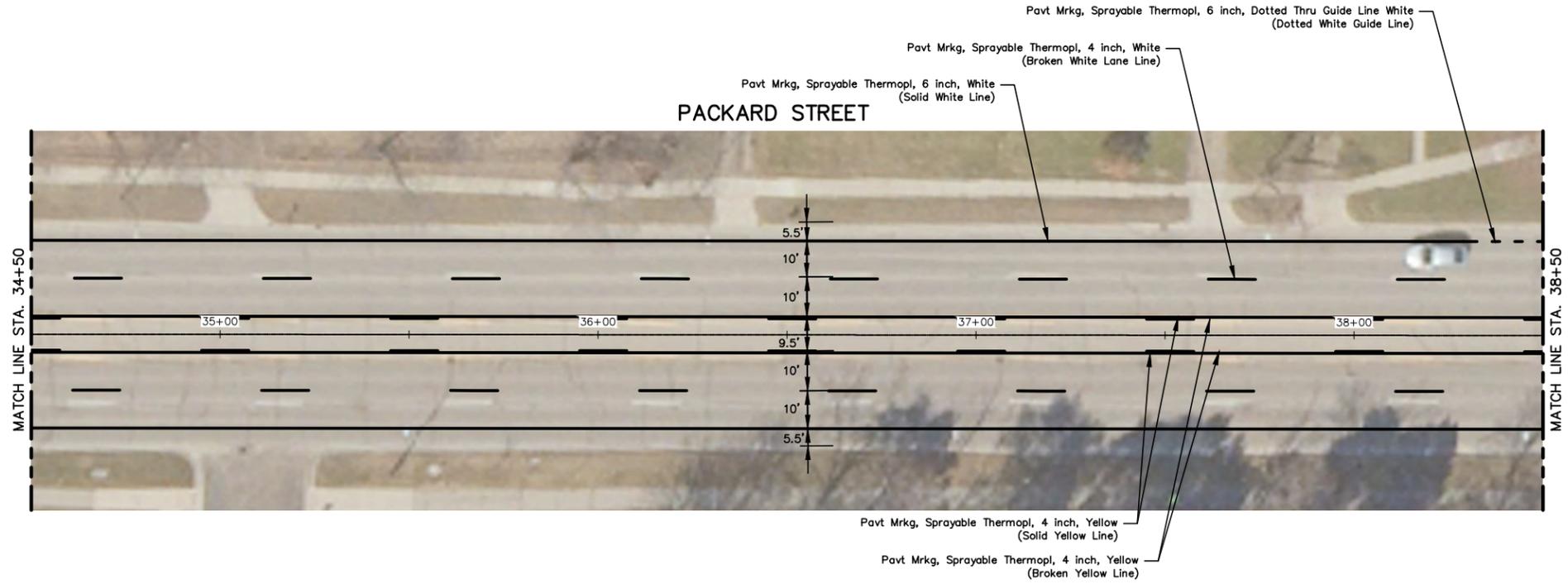


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTH STREETS PROGRAM
PLAN - PACKARD STREET
STA 25+50 TO STA 34+50

SCALE: PLAN: 1" = 20'
DRAWING No.
mo11.dwg



- NOTES:
1. ALL LANE DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.
 2. ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED. QUANTITIES FOR THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS ARE INCLUDED.
 3. ALL PERMANENT SIGNING SHALL BE INSTALLED BY THE CITY OF ANN ARBOR.



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REV.	DATE	DESCRIPTION	GH	GH	GH	CHECKED
03	4/06/2021	FINAL PLANS TO CITY	CGV	CGV	GH	DRAWN
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW	CGV	CGV	GH	DRAWN
01	3/23/2021	ISSUED FOR INITIAL CITY REVIEW	CGV	CGV	GH	DRAWN

CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48106-0667
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 HEALTHY STREETS PROGRAM
 PLAN - PACKARD STREET
 34+50 TO STA 43+50

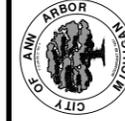
SCALE: PLAN: 1" = 20'
 DRAWING No.
 mof12.dwg



Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
03	FINAL PLANS TO CITY	4/06/2021	CGV	GH
02	ISSUED FOR FINAL CITY REVIEW	4/01/2021	CGV	GH
01	ISSUED FOR INITIAL CITY REVIEW	3/23/2021	CGV	GH

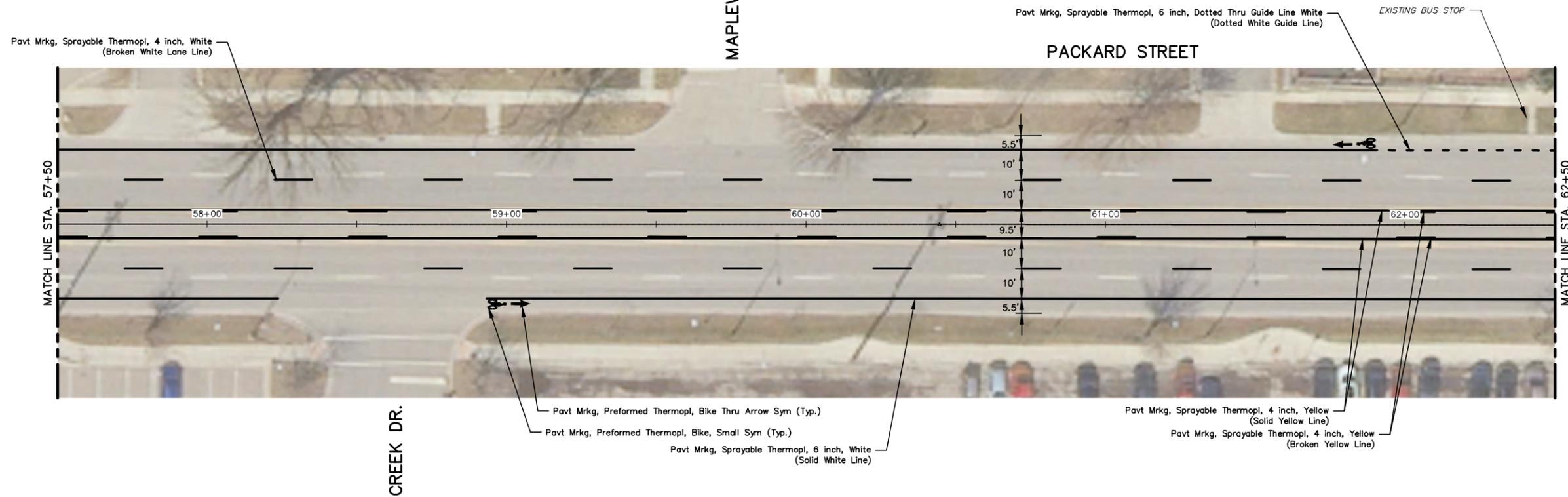
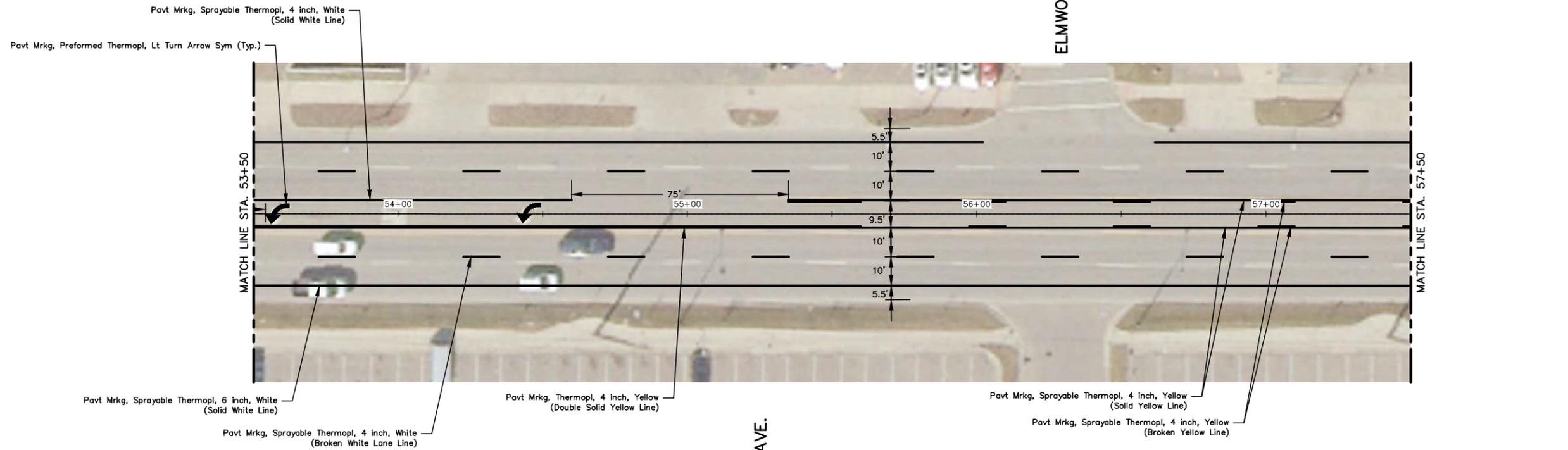
CITY OF ANN ARBOR
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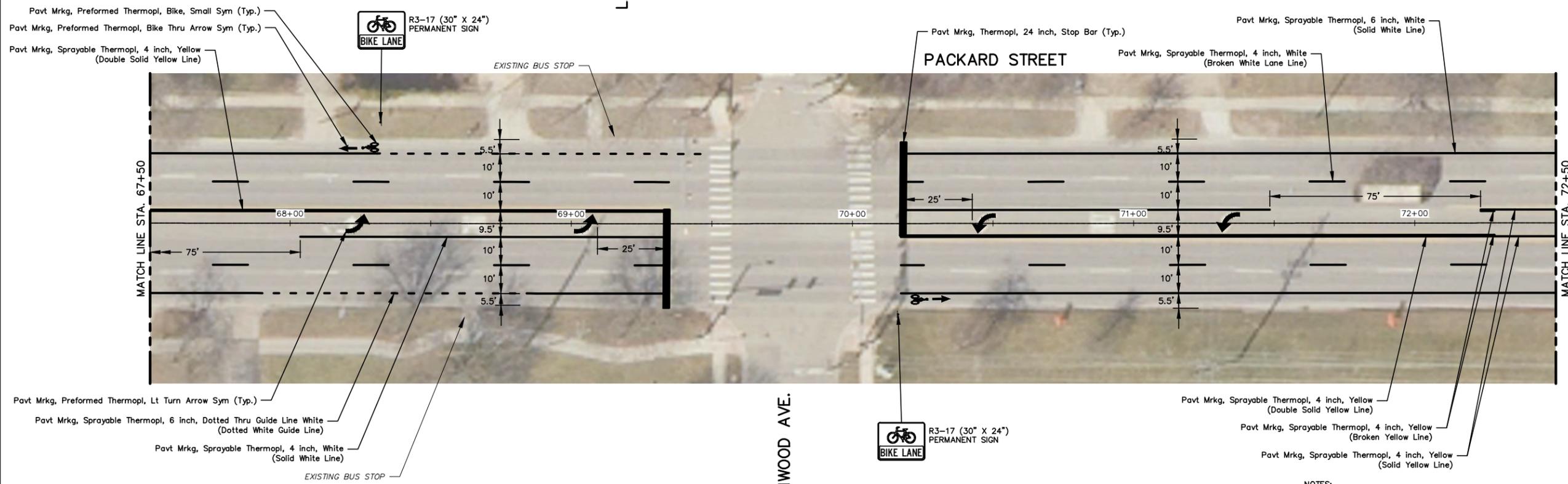
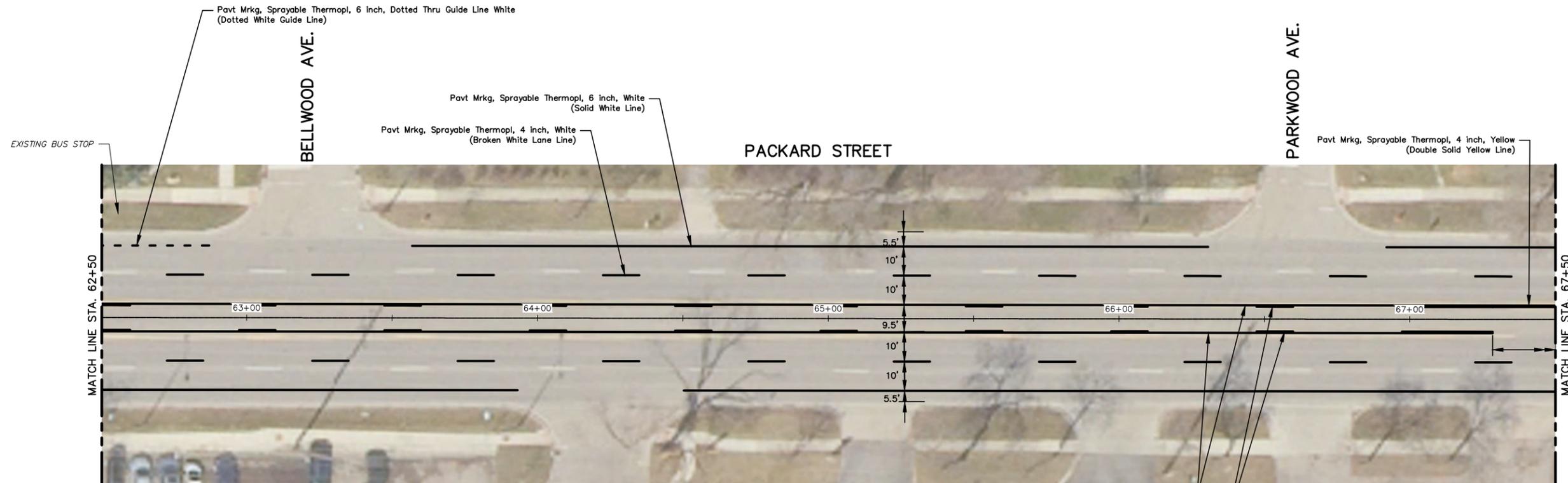
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM

PLAN - PACKARD STREET
STA 53+50 TO STA 62+50

SCALE: PLAN: 1" = 20'
DRAWING No.
mo14.dwg



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REV.	DATE	DESCRIPTION
03	4/06/2021	FINAL PLANS TO CITY
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW
01	3/23/2021	ISSUED FOR INITIAL CITY REVIEW

CITY OF ANN ARBOR
 PUBLIC SERVICES
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 ANN ARBOR, MI 48106-0667
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 HEALTHY STREETS PROGRAM
 PLAN - PACKARD STREET
 STA 62+50 TO STA 72+50

SCALE: PLAN: 1" = 20'
 DRAWING No.
 mof15.dwg



Know what's below.
Call before you dig.

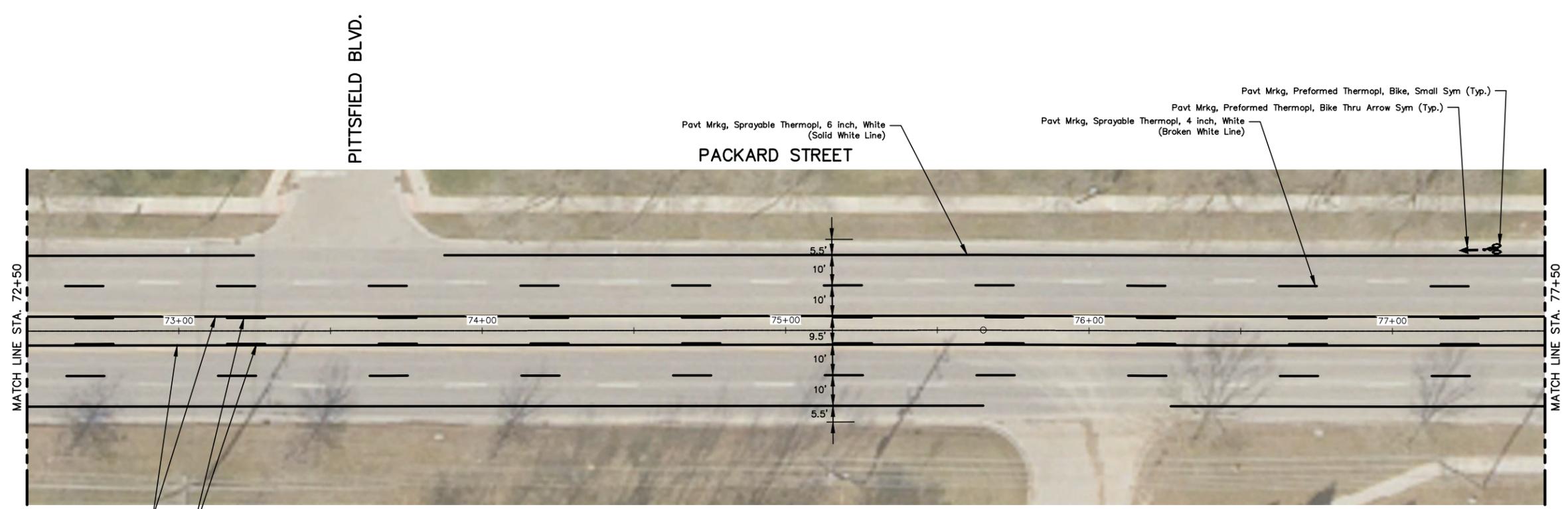
03	FINAL PLANS TO CITY	4/06/2021	GH	CHECKED
02	ISSUED FOR FINAL CITY REVIEW	4/01/2021	GH	DRAWN
01	ISSUED FOR INITIAL CITY REVIEW	3/23/2021	GH	CHECKED
REV.	DESCRIPTION	DATE		

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-0667
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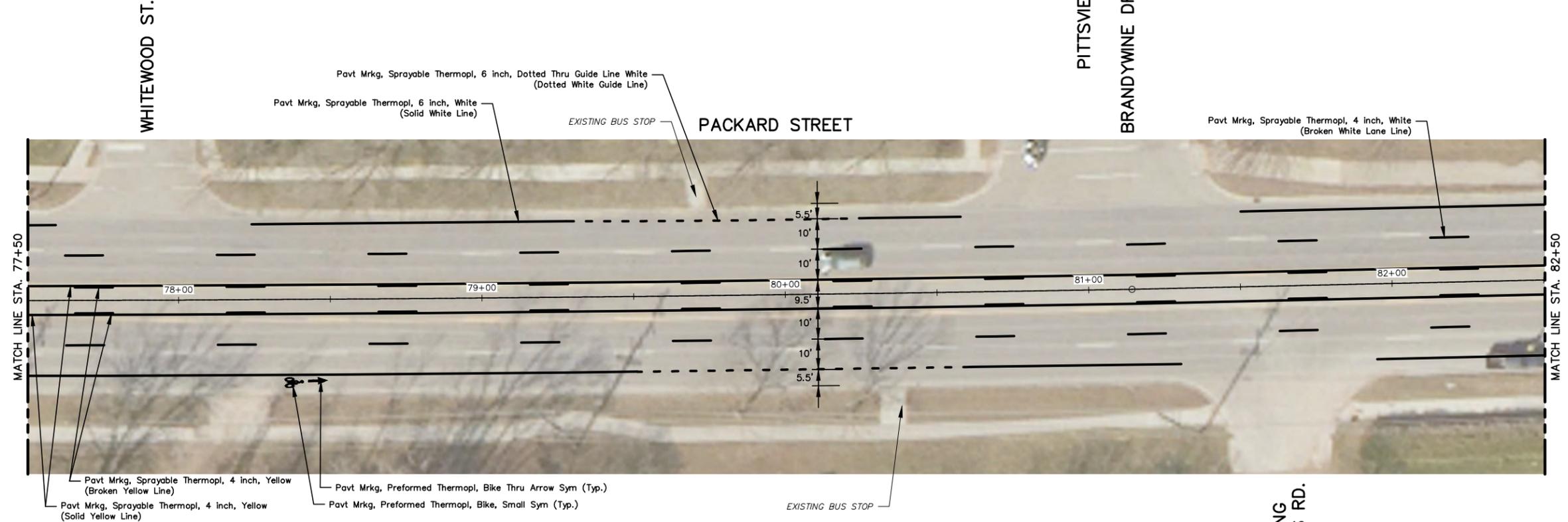


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROGRAM
PLAN AND PROFILE - PACKARD STREET
STA 72+50 TO STA 82+50

SCALE PLAN: 1" = 20'
DRAWING No.
mof16.dwg



Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Solid Yellow Line)
Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Broken Yellow Line)



Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Broken Yellow Line)
Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Solid Yellow Line)
Pavt Mrkg, Preformed Thermopl, Bike Thru Arrow Sym (Typ.)
Pavt Mrkg, Preformed Thermopl, Bike, Small Sym (Typ.)

CHARING CROSS RD.

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Know what's below. Call before you dig.

REV.	DATE	DESCRIPTION
03	4/06/2021	FINAL PLANS TO CITY
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW
01	3/23/2021	ISSUED FOR INITIAL CITY REVIEW

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-0667
www.a3gov.org

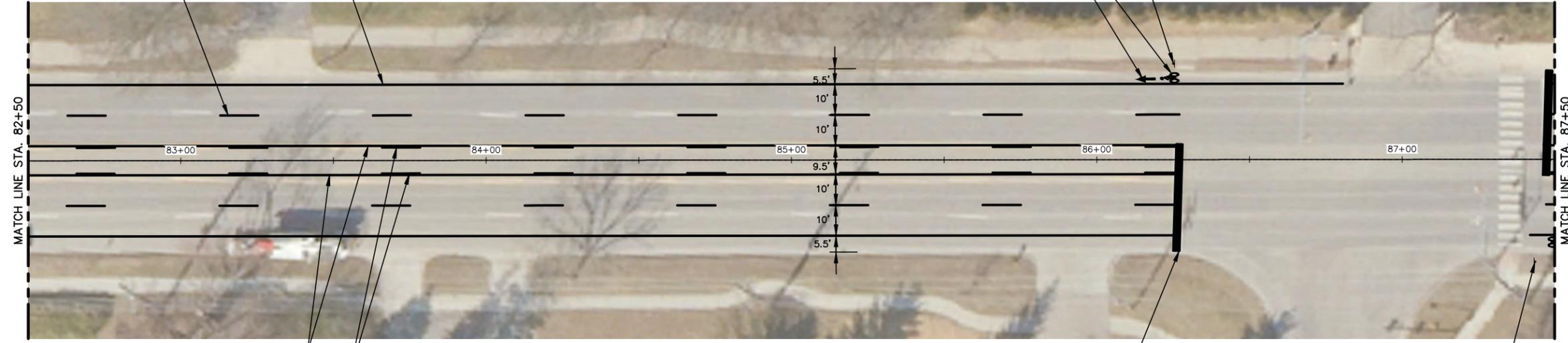


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROJECT
PLAN - PACKARD STREET
STA 82+50 TO STA 91+50

SCALE: PLAN: 1" = 20'
DRAWING No. mo17.dwg

Pavt Mrkg, Sprayable Thermopl, 6 inch, White (Solid White Line)
Pavt Mrkg, Sprayable Thermopl, 4 inch, White (Broken White Lane Line)

PACKARD STREET



Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Solid Yellow Line)
Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Broken Yellow Line)

Pavt Mrkg, Preformed Thermopl, Bike, Small Sym (Typ.)
Pavt Mrkg, Preformed Thermopl, Bike Thru Arrow Sym (Typ.)

R3-17 (30" X 24") PERMANENT SIGN
BIKE LANE

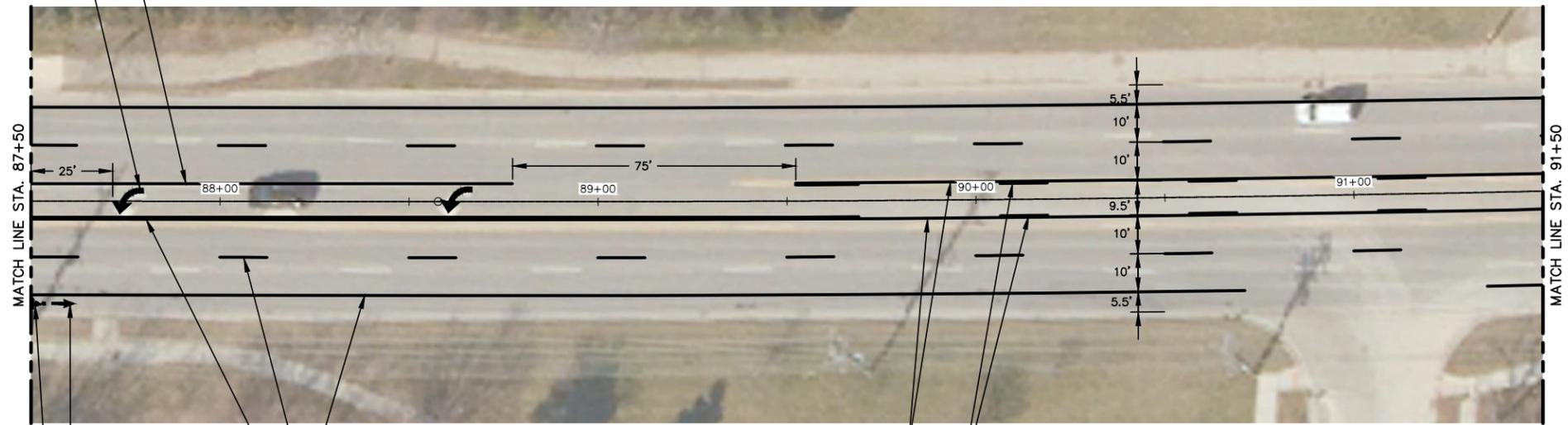
Pavt Mrkg, Thermopl, 24 inch, Stop Bar (Typ.)

R3-17 (30" X 24") PERMANENT SIGN
BIKE LANE

TURNBERRY LN.

Pavt Mrkg, Sprayable Thermopl, 4 inch, White (Solid White Line)
Pavt Mrkg, Preformed Thermopl, Lt Turn Arrow Sym (Typ.)

PACKARD STREET



Pavt Mrkg, Preformed Thermopl, Bike, Small Sym (Typ.)
Pavt Mrkg, Preformed Thermopl, Bike Thru Arrow Sym (Typ.)

Pavt Mrkg, Sprayable Thermopl, 6 inch, White (Solid White Line)
Pavt Mrkg, Sprayable Thermopl, 4 inch, White (Broken White Lane Line)
Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Double Solid Yellow Line)

Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Solid Yellow Line)
Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow (Broken Yellow Line)

CHERRY TREE LN.

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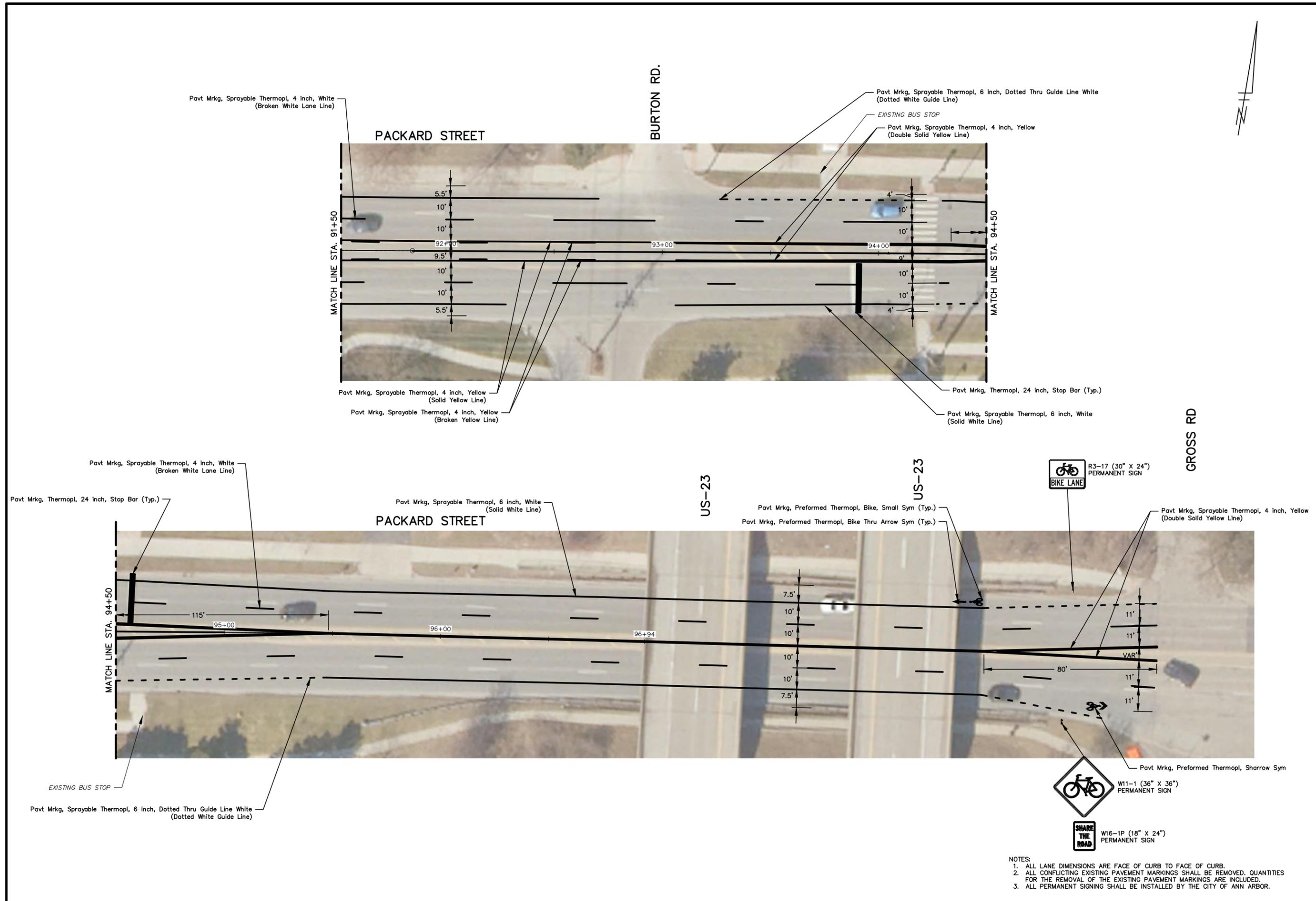
REV.	DATE	DESCRIPTION
03	4/06/2021	FINAL PLANS TO CITY
02	4/01/2021	ISSUED FOR FINAL CITY REVIEW
01	3/23/2021	ISSUED FOR INITIAL CITY REVIEW

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
HEALTHY STREETS PROJECT
PLAN - PACKARD STREET
STA 91+50 TO P.O.E.

SCALE PLAN: 1" = 20'
DRAWING No.
mof18.dwg



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ITB 4678 - 2021 Healthy Streets
Bid Tab

					PK Bid	
S.P.	Item	Item Description	Quantity	Unit	Unit Price	Total Cost
	1100001	Mobilization, Max	1	LSUM	\$ 15,000.00	\$ 15,000.00
	8100371	Post, Steel, 3 lb	198	Ft	\$ 7.00	\$ 1,386.00
	8100403	Sign, Type III, Rem	2	Ea	\$ 25.00	\$ 50.00
	8100405	Sign, Type IIIB	69	Sft	\$ 16.00	\$ 1,104.00
	8110153	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	7,200	Ft	\$ 0.20	\$ 1,440.00
	8110154	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	25,660	Ft	\$ 0.20	\$ 5,132.00
	8110155	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	14,900	Ft	\$ 0.30	\$ 4,470.00
	8110212	Pavt Mrkg, Thermopl, 12 inch, Cross Hatching, White	650	Ft	\$ 5.95	\$ 3,867.50
	8110218	Pavt Mrkg, Thermopl, 24 inch, Stop Bar	560	Ft	\$ 12.95	\$ 7,252.00
	8110343	Rem Spec Mrkg	5,930	Sft	\$ 2.50	\$ 14,825.00
	8110350	Witness, Log, \$1,000.00	1	Dlr	\$ 1,000.00	\$ 1,000.00
	8110570	Pavt Mrkg, Sprayable Thermopl, 6 inch, Dotted Thru Guide Line, White	680	Ft	\$ 0.30	\$ 204.00
	8112015	Pavt Mrkg, Preformed Thermopl, Bike Thru Arrow Sym	21	Ea	\$ 175.00	\$ 3,675.00
	8112018	Pavt Mrkg, Preformed Thermopl, Bike, Small Sym	21	Ea	\$ 300.00	\$ 6,300.00
	8112021	Pavt Mrkg, Preformed Thermopl, Lt Turn Arrow Sym	12	Ea	\$ 320.00	\$ 3,840.00
	8112028	Pavt Mrkg, Preformed Thermopl, Sharrow Sym	1	Ea	\$ 450.00	\$ 450.00
	8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	65	Ea	\$ 90.00	\$ 5,850.00
	8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	65	Ea	\$ 0.01	\$ 0.65
	8120035	Channelizing Device, 42 inch, Fluorescent, Furn	100	Ea	\$ 25.00	\$ 2,500.00
	8120036	Channelizing Device, 42 inch, Fluorescent, Oper	100	Ea	\$ 0.01	\$ 1.00
	8120140	Lighted Arrow, Type C, Furn	2	Ea	\$ 600.00	\$ 1,200.00
	8120141	Lighted Arrow, Type C, Oper	2	Ea	\$ 0.01	\$ 0.02
	8120170	Minor Traf Devices	1	LSUM	\$ 5,000.00	\$ 5,000.00
*	8120180	Mobile Attenuator	2	Ea	\$ 0.01	\$ 0.02
	8120210	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	55,910	Ft	\$ 0.55	\$ 30,750.50
	8120211	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	150	Ft	\$ 0.65	\$ 97.50
	8120216	Pavt Mrkg, Type NR, Paint, 24 inch, Stop Bar	250	Ft	\$ 6.00	\$ 1,500.00
	8120217	Pavt Mrkg, Type NR, Paint, Lt Turn Arrow	4	Ea	\$ 100.00	\$ 400.00
	8120218	Pavt Mrkg, Type NR, Paint, Rt Turn Arrow	2	Ea	\$ 100.00	\$ 200.00
	8120236	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	8,500	Ft	\$ 0.45	\$ 3,825.00
	8120252	Plastic Drum, Fluorescent, Furn	292	Ea	\$ 30.00	\$ 8,760.00
	8120253	Plastic Drum, Fluorescent, Oper	292	Ea	\$ 0.01	\$ 2.92
	8120310	Sign Cover	75	Ea	\$ 45.00	\$ 3,375.00
	8120330	Sign, Portable, Changeable Message, Furn	2	Ea	\$ 4,500.00	\$ 9,000.00
	8120331	Sign, Portable, Changeable Message, Oper	2	Ea	\$ 500.00	\$ 1,000.00
	8120350	Sign, Type B, Temp, Prismatic, Furn	2,723	Sft	\$ 5.00	\$ 13,615.00
	8120351	Sign, Type B, Temp, Prismatic, Oper	2,723	Sft	\$ 0.01	\$ 27.23
	8120352	Sign, Type B, Temp, Prismatic, Spec, Furn	528	Sft	\$ 10.00	\$ 5,280.00
	8120353	Sign, Type B, Temp, Prismatic, Spec, Oper	528	Sft	\$ 0.01	\$ 5.28
	8120370	Traf Regulator Control	1	LSUM	\$ 3,000.00	\$ 3,000.00
	8122004	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp	13,000	Ft	\$ 0.55	\$ 7,150.00
	8122016	Pavt Mrkg, Wet Reflective, Type NR, Paint, 12 inch, White, Temp	150	Ft	\$ 1.00	\$ 150.00
	8122036	Pavt Mrkg, Type NR, Paint, Only	2	Ea	\$ 100.00	\$ 200.00
	8122063	Pavt Mrkg, Type NR, Paint, Direction Arrow Sym, Bike	15	Ea	\$ 50.00	\$ 750.00
	8122067	Pavt Mrkg, Type NR, Paint, Bike, Small Sym	15	Ea	\$ 50.00	\$ 750.00
	8122074	Pavt Mrkg, Type NR, Paint, Sharrow Sym	2	Ea	\$ 70.00	\$ 140.00
	8122105	Pavt Mrkg, Type NR, Paint, 12 inch, Cross Hatching, White	2,000	Ft	\$ 3.00	\$ 6,000.00
*	8127050	Lane Separator System	67	Ea	\$ 515.00	\$ 34,505.00
	8200177	TS, Mast Arm Mtd, Rem	1	Ea	\$ 0.01	\$ 0.01
	999	Certified Payroll Compliance and Reportin	1	Ea	\$ 0.01	\$ 0.01
Total Construction Cost						\$ 215,030.64

* Total price was incorrectly marked in bid as \$14,900. The corrected calculation is included here, reducing \$75 total bid price by \$75