

CITY OF RICHMOND HEIGHTS

2025 ROAD PROGRAM

CONTRACT B - COUNTY PREVENTATIVE MAINTENANCE

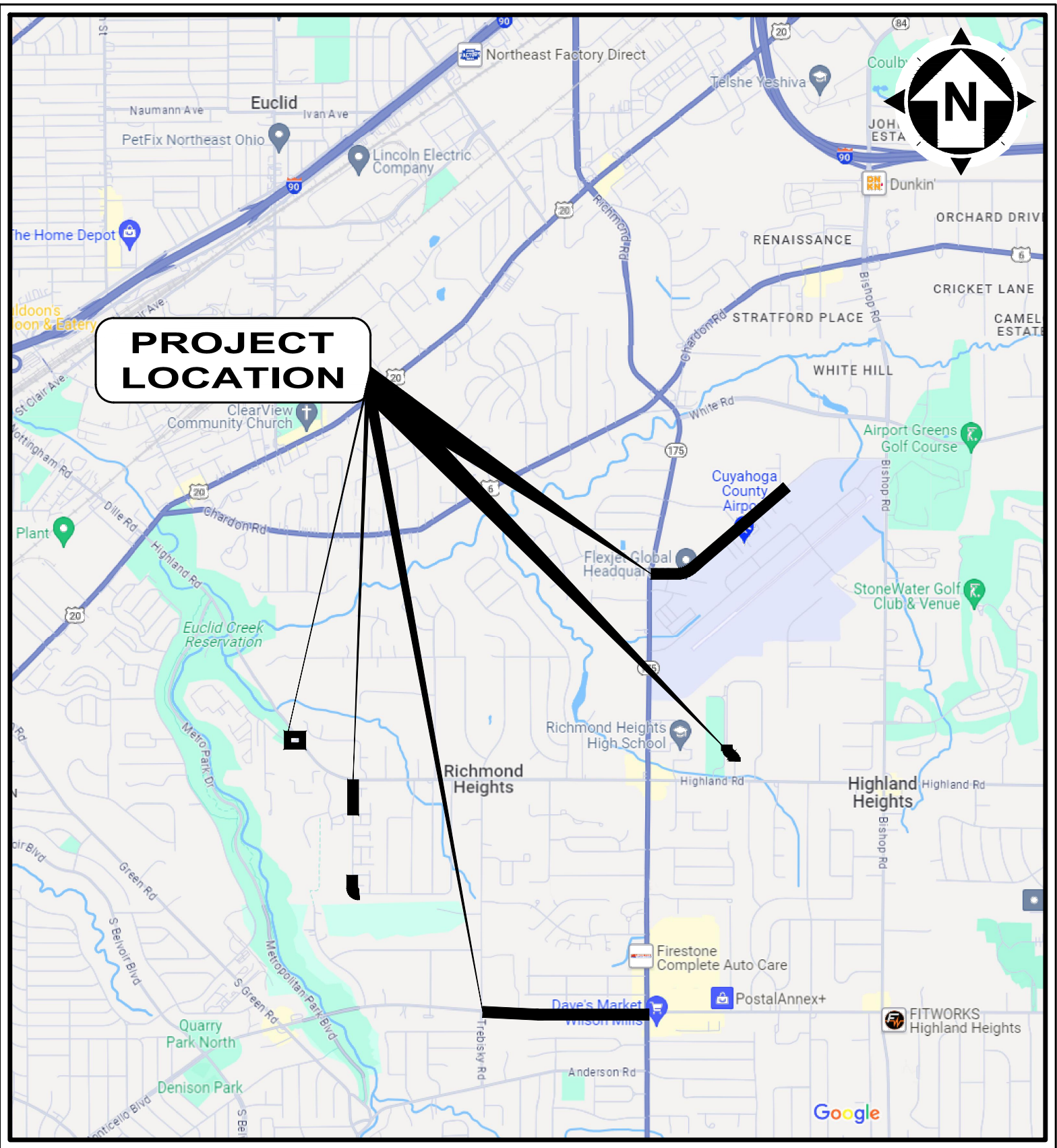
CONTRACT C - MISCELLANEOUS REPAIRS

CUYAHOGA COUNTY, OHIO

JULY 2025



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LOCATION MAP
NOT TO SCALE

CITY OFFICIALS:

KIM A. THOMASMAYOR

COUNCIL-AT-LARGE

WARD COUNCIL

BOBBY JORDAN, PRESIDENT

TRACY JUSTICE, WARD I

JUANITA LEWIS

ASU MOOK ROBINSON, WARD II

DANIEL J. URSU

CASSANDRA NELSON, WARD III

TRACEY BLAIR, CLERK OF COUNCIL

BRIAN SILVER, WARD IV

BAYYINAH BROOKS, SPECIAL ASSISTANT TO THE MAYOR

CITY ADMINISTRATORS:

RYAN TIEDMAN SERVICE DIRECTOR

NICK LOPARDO ASSISTANT SERVICE DIRECTOR

R. TODD HUNT LAW DIRECTOR

TOM DILELLIO FINANCE DIRECTOR

RUDOLPH HILLIARD BUILDING COMMISSIONER

CAMERON CAMPBELL RECREATION DIRECTOR

CALVIN D. WILLIAMS POLICE CHIEF

MARC NEUMANN FIRE CHIEF

JUSTIN HASELTON CITY ENGINEER

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)



1. THE SURVEY SHOWN ON THESE PLANS WAS OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR ANY OTHER PURPOSE.

2. UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.

3. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



William T. Vasko

WILLIAM VASKO

P.E. No. E-86752

6/26/2025

DATE

- GENERAL NOTES
- MATERIALS OF WORK FOR "AS DIRECTED" ITEMS SHALL NOT BE ORDERED FOR THE DELIVERY TO THE PROJECT OR WORK PERFORMED UNTIL AUTHORIZED BY THE ENGINEER.
 - MANHOLES, CATCH BASINS, MONUMENT BOXES, WATER VALVE BOXES AND OTHER CASTINGS SHALL BE RAISED OR LOWERED FLUSH WITH THE FINISHED SURROUNDING SURFACE. ANY METER OR VALVE BOX ENCOUNTERED WITHIN THE WORK SITE SHALL BE EXPOSED AND ADJUSTED TO GRADE PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID.
 - BEFORE THE CITY WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTY RETAINER, THE CONTRACTOR SHALL FURNISH THE CITY A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO BE SUPPLIED SHALL INCLUDE, BUT NOT BE LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTOR HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION.
 - THE CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO TAPE SURVEY OF THE ENTIRE PROJECT AREA, ANY DAMAGE DEEMED TO HAVE BEEN CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT HIS OWN EXPENSE. ALL COSTS ASSOCIATED FOR THIS WORK, INCLUDING THE VIDEO TAPE SURVEY, SHALL BE INCLUDED IN THE UNIT PRICES STIPULATED FOR THE VARIOUS ITEMS IN THE BID PROPOSAL UNLESS THERE IS A PRECONSTRUCTION VIDEO DOCUMENTATION BID ITEM INCLUDED IN THE PROJECT.

PROJECT PHASING

IT IS THE DESIRE OF THE CITY OF RICHMOND HEIGHTS TO HAVE THE CONTRACT WORK PROCEED IN AN ORDERLY AND NEAT MATTER IN ORDER TO KEEP THE DISRUPTION TO THE BUSINESSES AND RESIDENTS TO A MINIMUM. THUSLY THE CONTRACTOR IS TO PREPARE AND IMPLEMENT A WORK PHASING PLAN, APPROVED BY THE DIRECTOR OF PUBLIC SERVICE AND THE ENGINEER, INCLUSIVE OF THE FOLLOWING REQUIREMENTS:

- ALL WORK SHALL BE 1/2 WIDTH, EXCEPT FOR ASPHALT MILLING AND RESURFACING OPERATIONS.
- NO WORK SHALL BE DONE ON THE OPPOSITE SIDE OF THE STREET UNTIL ALL NEW PAVEMENT (CONCRETE OR ASPHALT BASE AND INTERMEDIATE COURSES), DRIVE APRONS, SIDEWALKS AND ROUGH GRADE LANDSCAPING ARE IN PLACE ON THE SIDE BEING CONSTRUCTED.
- THE CITY MAY, ACCEPT A PHASING PLAN CONSISTING OF PERFORMING 1/2 WIDTH IMPROVEMENTS ALONG THE SECTIONS/PHASES OF THE PROJECT LENGTH. THE CONTRACTORS PLAN SHALL SUBSTANTIALLY COMPLETE EACH PHASE ON BOTH SIDES OF THE RIGHT-OF-WAY BEFORE MOVING ON THE THE NEXT PHASE.
- DRIVE APRON ACCESS IS TO BE MAINTAINED AT ALL TIMES EXCEPTING DURING CONCRETE PLACEMENT AND CURING.

- ROADWAY EXCAVATION AND PAVEMENT
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER FORTY-EIGHT (48) HOURS IN ADVANCE OF BEGINNING WORK WHICH REQUIRES PROOF ROLL TESTING AND/OR PRE-POUR INSPECTION PRIOR TO PLACEMENT OF PAVEMENT. WORK WILL NOT BEGIN UNTIL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE ENGINEER.
 - PART WIDTH CONSTRUCTION AS DESCRIBED IN PROJECT PHASING GENERAL NOTE SHALL BE USED FOR PAVING OPERATIONS. PAVING OPERATIONS SHALL NOT BEGIN ON THE OPPOSITE LANE(S) UNTIL ROADWAY AND DRIVE APRONS ARE INSTALLED AND OPEN TO TRAFFIC ON THE STARTING SIDE.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE BARRICADE DEVICES TO PREVENT VEHICULAR TRAFFIC ON NEW CONCRETE PAVEMENT AND APRONS UNTIL THE END OF THE CURE PERIOD OR THE SPECIMEN TEST BEAMS HAVE ATTAINED A MODULUS OF RUPTURE OF 400 PSI FOR M.S. CONCRETE.
 - THE EXCAVATION, EMBANKMENT AND COMPACTION OF THE NEW ROADWAY SUBGRADES IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS 203. A MINIMUM OF TWO (2) PROOF ROLLINGS WILL BE REQUIRED AS DIRECTED BY THE ENGINEER BEFORE PAVING. THE FIRST PROOF ROLLING SHALL BE PERFORMED AFTER THE INSTALLATION OF ALL UNDERGROUND IMPROVEMENTS AND AFTER FINE GRADING JUST PRIOR TO PAVING. THE PROOF ROLLINGS SHALL BE COMPLETED AS FOLLOWS: EXCAVATION OR EMBANKMENT TO FINISHED SUBGRADE. EMBANKMENTS ARE COMPACTED AND TESTED FOR COMPACTION IN 6" LIFTS PER ODOT 203. THE SUBGRADE IS COMPACTED AND TESTED. THE SUBGRADE FOR THE NEW ROAD IS THEN PROOF ROLLED. AREAS EXHIBITING UNACCEPTABLE MOVEMENT UNDER PROOF ROLLING ARE UNDERCUT TO A DEPTH DIRECTED BY THE ENGINEER AND BACKFILLED WITH MATERIALS SPECIFIED IN THE PLANS. THE SUBGRADE IS RE-PROOF ROLLED TO VERIFY THE UTILITY OF THE UNDERCUT. UPON PASSING THE PROOF ROLL THE AREA IS APPROVED FOR THE INSTALLATION OF THE BASE MATERIAL. THE AGGREGATE BASE MATERIAL IS PLACED PER ODOT SPECIFICATIONS, COMPACTED, TESTED AND PROOF ROLLED. UPON PASSING THE PROOF ROLL THE SPECIFIED TOP COURSES OF RIGID PAVEMENT MAY BE INSTALLED. MOISTURE CONTENT OF THE SUBGRADE AT THE TIME OF PROOF ROLLING SHALL CONFORM TO SECTION 203.11 OF THE ODOT SPECIFICATIONS. THE MINIMUM EQUIPMENT SHALL CONSIST OF A SINGLE UNIT, TANDEM AXLE DUMP TRUCK CAPABLE OF BEING LOADED TO 30,000 POUND AXLE LOAD, 60,000 POUND GVW. TIRE PRESSURE SHALL BE MAINTAINED AT 90 PSI OR AS SPECIFIED UNDER SECTION 203.14 OF ODOT SPECIFICATIONS. ANY AREA PERMITTING TIRES TO LEAVE A GROOVE OF ONE (1) INCH OR MORE SHALL BE UNACCEPTABLE FOR PAVING. ANY AREA PERMITTING THE TEST VEHICLE TIRES TO LEAVE A GROOVE OF ZERO (0) TO ONE-HALF (1/2) INCH DEEP SHALL BE ACCEPTABLE. ANY AREA PERMITTING THE TEST VEHICLE TIRES TO LEAVE A GROOVE OF ONE-HALF (1/2) INCH TO ONE (1) INCH DEEP SHALL BE AT THE ENGINEER'S DISCRETION.
 - JOINT AND CRACK SEALER FOR PAVEMENT SHALL MEET THE REQUIREMENTS OF ODOT ITEM 705.04 AND ASTM D 3405. A DOUBLE BOILER SHOULD BE USED FOR HEATING THE MATERIAL.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUFFICIENT SECURITY MEASURES AND/OR PERSONNEL TO PROTECT ALL NEW CONCRETE WORK FROM VANDALISM AT NO ADDITIONAL COST TO THE CITY. ANY VANDALIZED CONCRETE SHALL BE REPLACED IN FULL AT THE CONTRACTOR'S EXPENSE.

EXISTING UTILITIES

- THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE CITY OF RICHMOND HEIGHTS AND THE CLEVELAND WATER DEPARTMENT DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.
- BEFORE ANY WORK IS STARTED THAT WILL INTERFERE WITH THE EXISTING UTILITIES, THE CONTRACTOR SHALL CALL THE "OHIO UTILITIES PROTECTION SERVICE", AT 1-800-362-2764, FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. THE FOLLOWING REFERENCE NUMBERS HAVE BEEN ASSIGNED TO THIS PROJECT BY THE OHIO UTILITIES PROTECTION SERVICE. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, AT NO ADDITIONAL EXPENSE TO THE CITY OF RICHMOND HEIGHTS, TO AVOID DAMAGE TO EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES DURING THE ENTIRE PROJECT. IN THE EVENT OF DAMAGE TO EXISTING PUBLIC AND/OR PRIVATE UTILITIES, THE AGENCY CONCERNED SHALL BE NOTIFIED IMMEDIATELY AND ALL REPAIR WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE AGENCY AT NO ADDITIONAL EXPENSE TO THE CITY OF RICHMOND HEIGHTS, INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING UTILITY OWNERS LISTED BELOW AND THE UTILITY PROTECTION SERVICE IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE AND OUTLINED IN PROJECT SPECIFICATIONS. THE UTILITY OWNERSHIPS ARE AS FOLLOWS:

AT&T
JAMES JANIS
13630 LORAIN AVE
CLEVELAND OHIO 44111
216-534-7285
Pj8191@att.com

CHARTER
ROB ZELKO
7820 DIVISION DR.
MENTOR OHIO 44060
330-633-9203
Rob.Zelko@charter.com

CLEVELAND WATER
FRED ROBERTS
1201 LAKESIDE AVE
CLEVELAND OHIO 44114
216-664-2444 ext 75590
fred_roberts@clevelandwater.com

DOMINION
320 SPRINGSIDE DR. SUITE 320
AKRON OHIO 44333
330-664-2409
relocation@dominionenergy.com

EVERSTREAM
GIO REILLO
1228 EUCLID AVE SUITE 250
CLEVELAND OHIO 44115
216-905-0780
greillo@everstream.net

THE ILLUMINATING COMPANY
P.O. BOX 5000
CLEVELAND, OHIO 44101
PHONE: (216) 622-9800

NORTHEAST OHIO REGIONAL
SEWER
ROB STOERKEL
3900 EUCLID AVE
CLEVELAND OHIO 44115
216-881-8247

OHIO UTILITY PROTECTION SERVICE
106 WEST RYEN, ROOM 427
YOUNGSTOWN, OHIO 44051
PHONE: (800) 362-2746

CITY OF RICHMOND HEIGHTS
457 RICHMOND ROAD
RICHMOND HEIGHTS, OHIO 44143
PHONE: (216) 731-7014

- WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK EFFORTS WITH THOSE OF THE UTILITY COMPANIES SUCH THAT THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE. THE COST AND COORDINATION FOR ANY REQUIRED PROTECTION OR RELOCATION OF EXISTING POWER OR TELEPHONE POLES SHALL NOT BE THE RESPONSIBILITY OF THE CITY OF RICHMOND HEIGHTS. DELAYS TO THE CONTRACTOR AS A RESULT OF TIMING OF POLE RELOCATION OR PROTECTION SHALL NOT BE CONSIDERED COMPENSABLE DELAYS, AS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS WORK IN CONFORMANCE TO THE UTILITY COMPANY'S SCHEDULE.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES AFFECTED BY THE PROPOSED CONSTRUCTION.

SERVICE CONNECTIONS

- ALL ACTIVE DRAINAGE PIPES ENCOUNTERED SHALL BE RECONNECTED TO EXISTING FACILITIES OR CONNECTED TO THE NEW FACILITIES.
 - ALL EXISTING UTILITY SERVICE CONNECTIONS (SANITARY, STORM, WATER, GAS, ELECTRIC, TELEPHONE, ETC.) WHICH ARE DAMAGED DURING THE INSTALLATION OF PIPE SHALL BE REPAIRED WITH LIKE MATERIALS OR REPLACED, AS REQUIRED. THE COST OF UTILITY SERVICE CONNECTION REPAIR/REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICES FOR ALL ITEMS IN THE PROPOSAL.
 - ALL UTILITY LINES CROSSING THE NEW TRENCH SHALL BE PROTECTED AND SUPPORTED WITH HARDWOOD PLANKS, OR REMOVED, REPLACED, RECONNECTED AND SUPPORTED ACROSS THE ENTIRE WIDTH OF THE TRENCH. IF ANY OF THESE LINES ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE REPLACED IN-KIND.
 - THE CONTRACTOR SHALL BE REQUIRED TO BYPASS AND MAINTAIN THE FLOW TO/FROM ALL HOUSE UTILITY CONNECTIONS DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL EXPECT ONE UNDERGROUND SEWER, GAS AND WATER CONNECTION FOR EACH LOT (INCLUDING VACANT LOTS) ON BOTH SIDES OF THE STREET FOR THE ENTIRE PROJECT LENGTH.
 - THE COST OF UTILITY RELOCATION, REPLACEMENT, AND/OR SUPPORT SHALL BE INCLUDED IN THE COST PER LINEAL FOOT OF ASSOCIATED SEWER REPAIR.
- GRASS RESTORATION
- PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL INVENTORY TREELAWNS FOR EXISTING ORNAMENTAL LANDSCAPE FEATURES INCLUDING LAWN SPRINKLER SYSTEMS AND IRON PINS. ANY LANDSCAPE FEATURE DISTURBED OR DAMAGED BY THE CONTRACTOR'S ACTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION. COST OF INVENTORY AND RESTORATION SHALL BE INCLUDED IN THE UNIT BID PRICE FOR LAWN RESTORATION.
 - RESTORATION OF TREELAWNS AND GRASS AREAS IN EASEMENTS SHALL BE PERFORMED BY A LANDSCAPE CONTRACTOR TO BE APPROVED BY THE CITY ENGINEER AND SERVICE DIRECTOR. THE LANDSCAPE CONTRACTOR MUST BE EXPERIENCED IN COMMERCIAL INSTALLATIONS AND PROVIDE REFERENCES AND OTHER DETAILED INFORMATION TO ENABLE THE OWNER TO JUDGE HIS EXPERIENCE AND CAPABILITY TO PERFORM THE WORK. GRASS AREAS TO BE RESTORED SHALL BE SEEDED UNLESS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS. THE SEED SHALL BE PLACED ON

A FOUR (4) INCH BED OF COMPACTED TOPSOIL THAT HAS BEEN RAKED AND BROUGHT TO AN EVEN SURFACE. TOPSOIL SHALL BE SHREDDED AND BE FREE OF ROCKS, ROOTS AND WEEDS. THE CONTRACTOR SHALL PROVIDE TOPSOIL SAMPLES AND SOURCES OF SUPPLY TO THE ENGINEER FOR APPROVAL PRIOR TO DELIVERY OF THE MATERIAL TO THE JOB SITE.

PROPERTY PINS AND MONUMENTS

- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EMPLOY A REGISTERED SURVEYOR TO LOCATE, RECORD, AND MARK ALL EXISTING MONUMENTS AND PROPERTY CORNERS WITHIN THE CONSTRUCTION LIMITS. THIS COST SHALL BE DISTRIBUTED AMONG THE APPROPRIATE PROJECT PAY ITEMS. A LISTING OF THE PINS AND MONUMENTS SHALL BE SUPPLIED TO THE CITY ENGINEER PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL PINS AND MONUMENTS DURING CONSTRUCTION. IF PINS AND MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL HAVE THEM REPLACED BY THE REGISTERED SURVEYOR AT NO ADDITIONAL COST TO THE CITY.
- EROSION AND DUST CONTROL
- SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY HYDRO SEEDING AND MULCHING IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISH GRADING IN ACCORDANCE WITH ODOT ITEM 659 OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BEGIN THE RESTORATION PROCESS AS SOON AS CONSTRUCTION IS COMPLETED, PERMANENTLY STABILIZING EACH DISTURBED AREA WITH PERENNIAL VEGETATION INSTALLED ACCORDING TO SOIL CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL REMOVE DAILY ALL MUD, SOIL AND DEBRIS THAT MAY BE TRACKED ONTO EXISTING STREETS OR DRIVES BY HIS EQUIPMENT OR THAT OF SUBCONTRACTORS OR SUPPLIERS.
- ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN OR OTHER ENVIRONMENTALLY SENSITIVE AREA.
- EROSION CONTROL MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY WHEN NEEDED OR ORDERED BY THE OWNER WATER OR CALCIUM CHLORIDE PER ODOT 616 FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE ORIGINATING FROM HIS CONSTRUCTION ACTIVITIES. SUFFICIENT QUANTITIES OF CALCIUM CHLORIDE SHALL BE STORED ON THE JOB SITE AT ALL TIMES TO BE USED FOR DUST CONTROL. THE COST OF DUST CONTROL SHALL BE INCLUDED IN THE UNIT BID PRICES FOR ALL ITEMS OF THE PROPOSAL.
- OTHER EROSION AND SEDIMENT CONTROL PRACTICES SHALL MINIMIZE SEDIMENT LADEN WATER ENTERING ACTIVE STORM DRAIN SYSTEMS, UNLESS THE STORM DRAIN SYSTEM DRAINS TO A SEDIMENT POND. INLET PROTECTION IS MANDATORY WHERE SEDIMENT SETTLING PONDS WILL NOT BE IMPLEMENTED.

EXCESS EXCAVATION

- ALL EXCESS EXCAVATION SHALL BE DISPOSED OF IN A LOCATION TO BE SELECTED BY THE CONTRACTOR. THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE CITY IF THE MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS.

MAINTAINING TRAFFIC

- SEE MAINTENANCE OF TRAFFIC PLAN.

TRENCH EXCAVATION

- TRENCH EXCAVATION SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF REPLACEMENT SECTION WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

CONTRACTOR'S EQUIPMENT - OPERATION AND STORAGE

- THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAFFIC. A QUALIFIED FLAGGER SHALL BE EMPLOYED WHERE THE CONTRACTOR'S EQUIPMENT MUST MERGE WITH THE TRAFFIC STREAM. THE CONTRACTOR'S EQUIPMENT SHALL BE EQUIPPED WITH AT LEAST ONE AMBER FLASHING LIGHT. PAVERS, ROLLERS AND OTHER EQUIPMENT MAY BE PARKED IN AREAS ALONG THE HIGHWAY WHEN PAVING OPERATIONS ARE SCHEDULED TO CONTINUE WITHIN THE NEXT WORKDAY: OTHERWISE THE EQUIPMENT SHALL BE STORED AT A STORAGE AREA OUTSIDE THE R/W. THE LOCATION OF WHICH SHALL HAVE PRIOR APPROVAL OF THE ENGINEER. WHEN PARKING ALONG THE HIGHWAY THE EQUIPMENT SHALL BE PLACED AND DELINEATED AS PER 614.03. ALL EQUIPMENT AND STORED MATERIALS SHALL NOT CAUSE SIGNIFICANT SIGHT DISTANCE HAZARDS TO THE TRAVELING PUBLIC. ALL OTHER EQUIPMENT, INCLUDING PRIVATE VEHICLES, SHALL BE STORED AT THE APPROVED CONTRACTOR'S STORAGE AREA. NO EQUIPMENT SHALL BE PARKED ON PRIVATE PROPERTY UNLESS PRIOR APPROVAL OF THE OWNER AND THE PROJECT ENGINEER/SUPERVISOR HAS BEEN GRANTED.

SUSPENSION OF WORK

- IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR MAINTENANCE OF TRAFFIC AS SET FORTH IN THESE PLANS OR WITH PROVISIONS OF THE MANUAL, THE ENGINEER MAY SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS. NO COMPENSATION WILL BE PAID FOR SUSPENSION OF WORK.

CITY OF RICHMOND HEIGHTS
2025 ROAD PROGRAM
CUYAHOGA COUNTY, OHIO

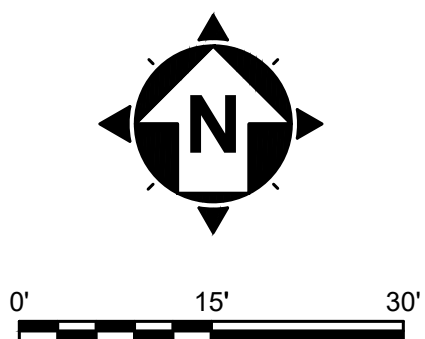
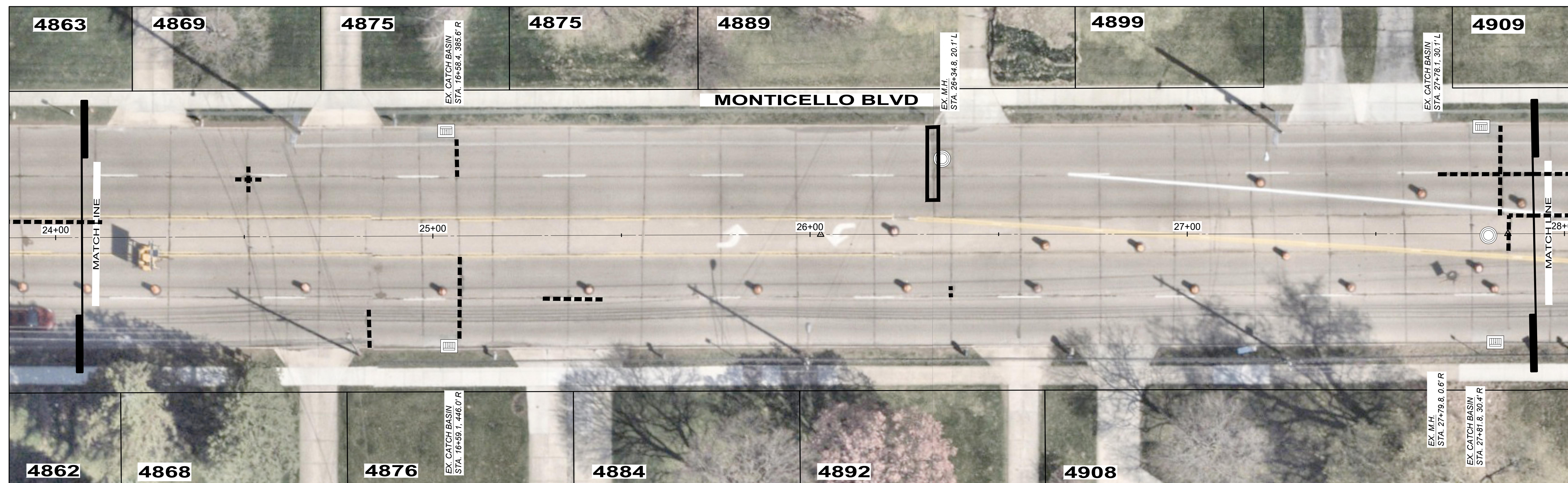
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GENERAL NOTES




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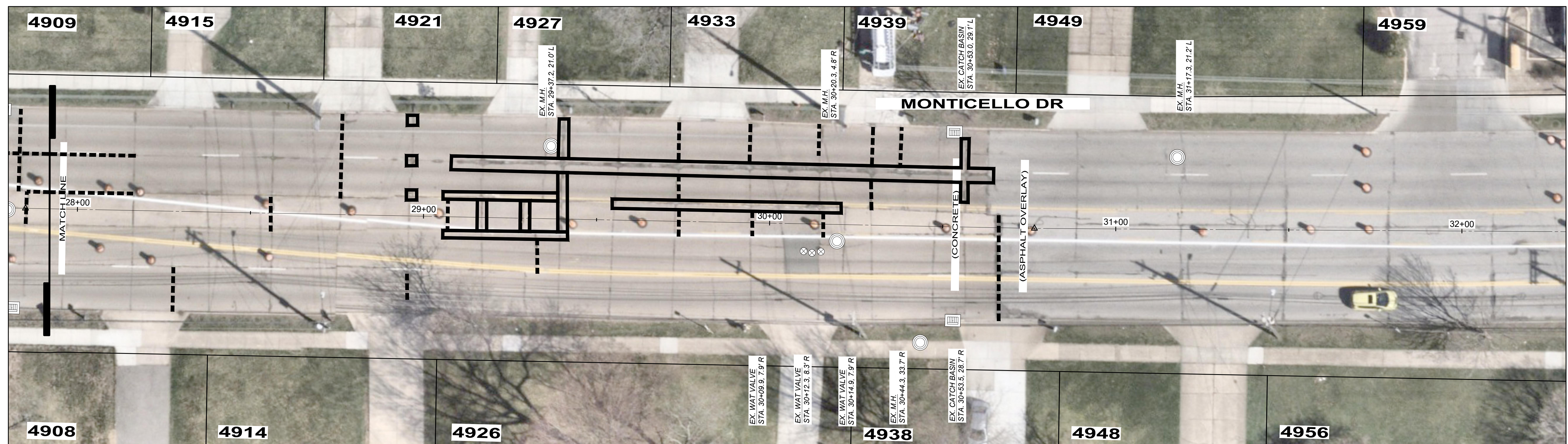
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 FULL DEPTH PAVEMENT
REMOVAL & RIGID REPLACEMENT,
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 PARTIAL DEPTH PAVEMENT
JOINT REPAIR

■ ■ ■ ■ PARTIAL DEPTH PAVEMENT
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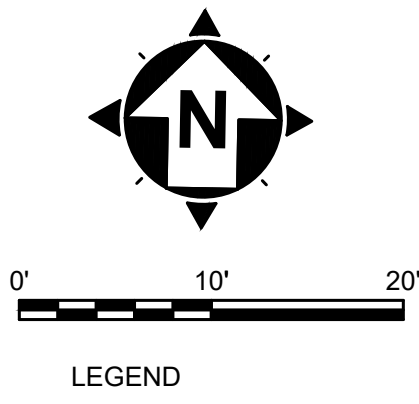


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MONTICELLO BLVD. JOINT REPAIRS

PROJECT NO.	
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- LEGEND**
- FULL DEPTH PAVEMENT REMOVAL & RIGID REPLACEMENT, CLASS QCMS, T=8"
 - PARTIAL DEPTH PAVEMENT JOINT REPAIR

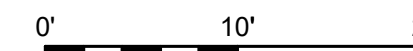


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CURTIS-WRIGHT PARKWAY
JOINT REPAIRS

PROJECT NO.	
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DISCIPLINE	
CIVIL	
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CURTIS-WRIGHT	
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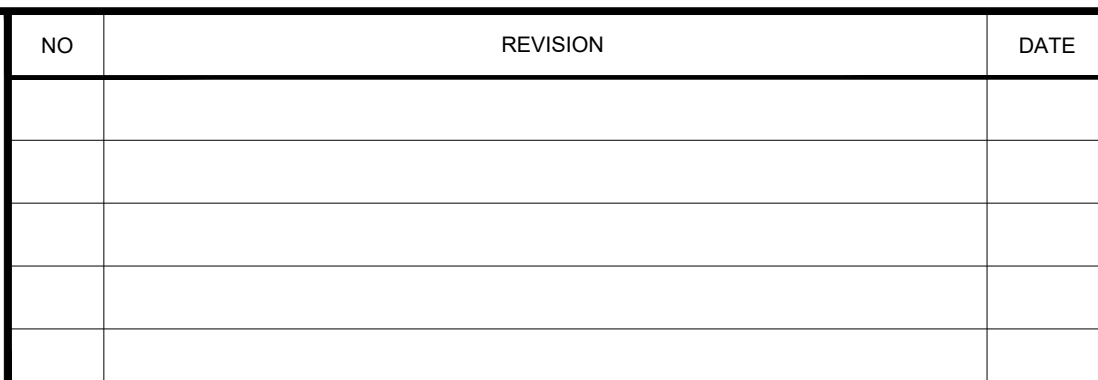
LEGEND




■ ■ PARTIAL DEPTH PAVEMENT JOINT REPAIR

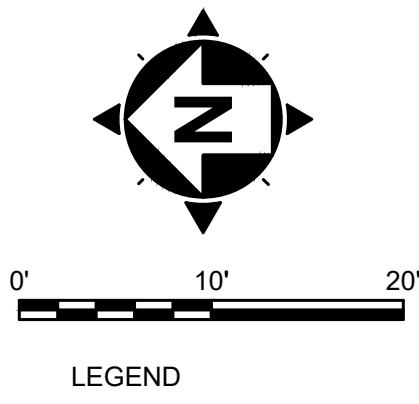




CATLIN DRIVE



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	PROJECT NO.	
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	DISCIPLINE	
	CIVIL	
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	DONNA DRIVE	
	SHEET	OF
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- LEGEND**
-  FULL DEPTH PAVEMENT REMOVAL & RIGID REPLACEMENT, CLASS QCMS, T=8"
 -  PARTIAL DEPTH PAVEMENT JOINT REPAIR



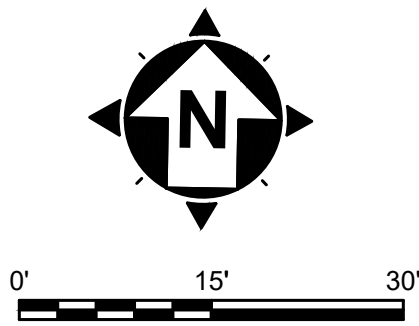
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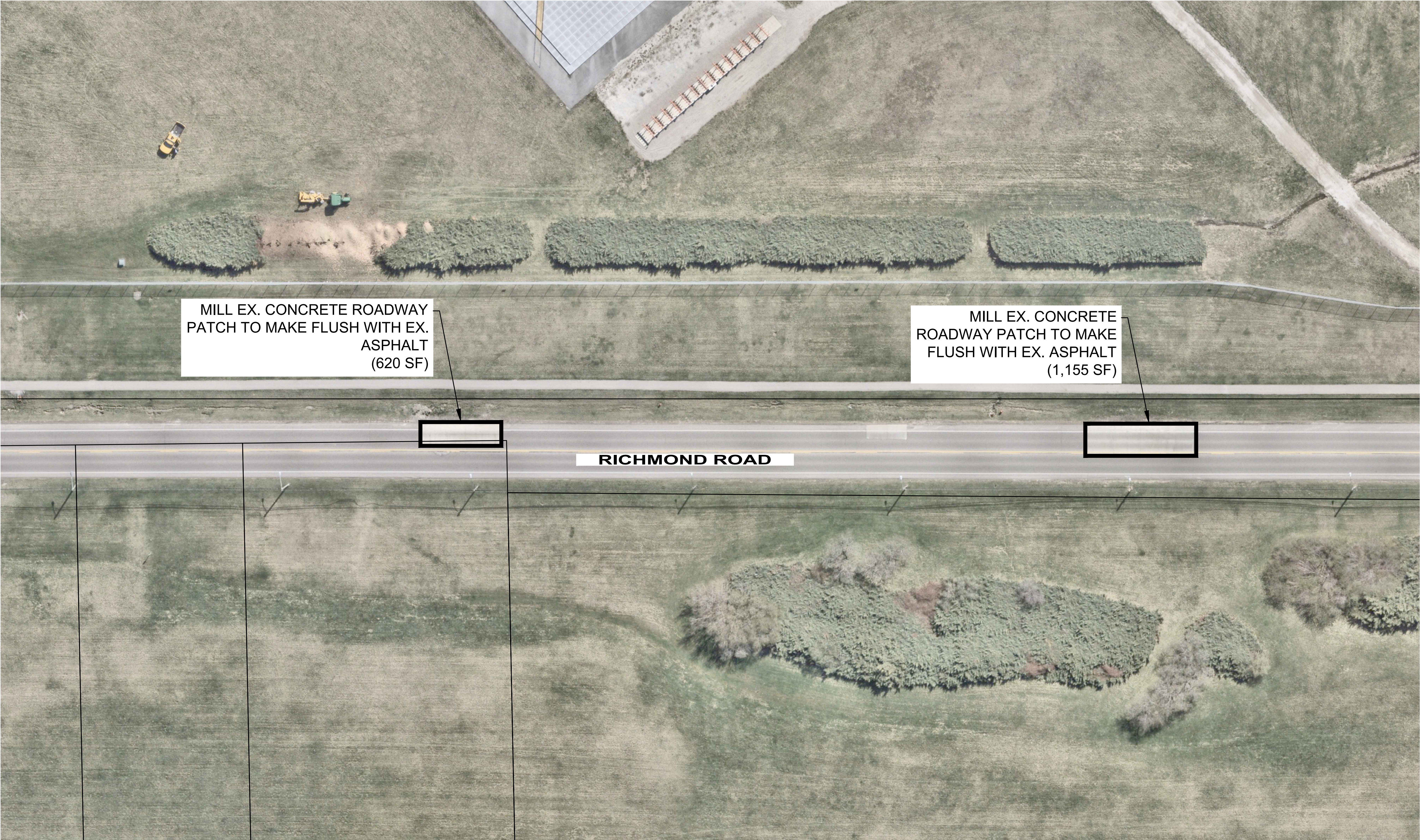
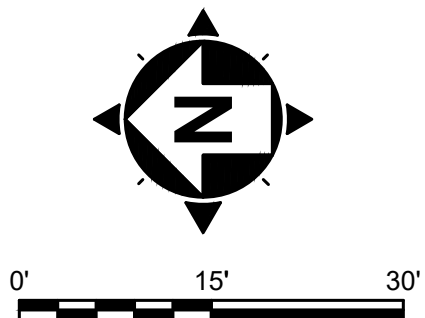
RICHMOND PARK WEST
JOINT REPAIRS

PROJECT NO.	
33007	
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CIVIL	
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10	14



- LEGEND
- FULL DEPTH PAVEMENT REMOVAL & RIGID REPLACEMENT, CLASS QCMS, T=8"
 - PARTIAL DEPTH PAVEMENT JOINT REPAIR

	NO	REVISION	DATE	CITY OF RICHMOND HEIGHTS 2025 ROAD PROGRAM CUYAHOGA COUNTY, OHIO	ISSUED FOR:	BID SET	GEORGETOWN ROAD GUARDRAIL REPAIR	PROJECT NO.	
					ISSUE DATE:	JULY 2025		33007	
					SCALE:	AS SHOWN		DISCIPLINE	
					DESIGNED BY:	WTV		CIVIL	
					DRAWN BY:	WTV		SHEET NAME	
					CHECKED BY:	JRH		GEORGETOWN ROAD	
							SHEET	OF	
							11	14	



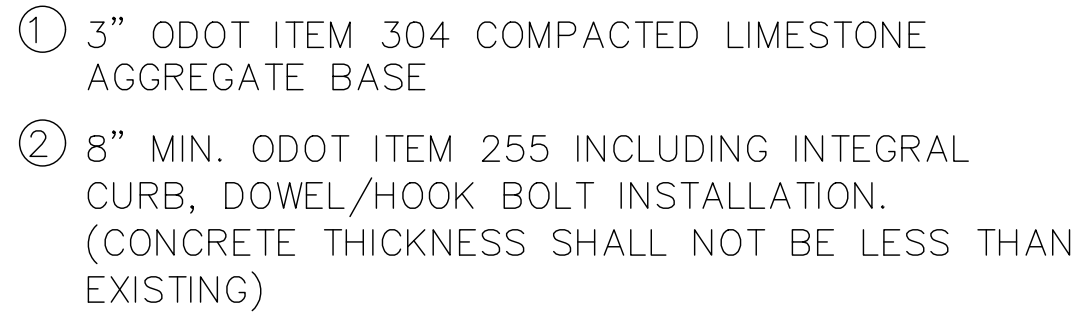
NO	REVISION	DATE

CITY OF RICHMOND HEIGHTS
2025 ROAD PROGRAM
CUYAHOGA COUNTY, OHIO

ISSUED FOR:	BID SET
ISSUE DATE:	JULY 2025
SCALE:	AS SHOWN
DESIGNED BY:	WTV
DRAWN BY:	WTV
CHECKED BY:	JRH

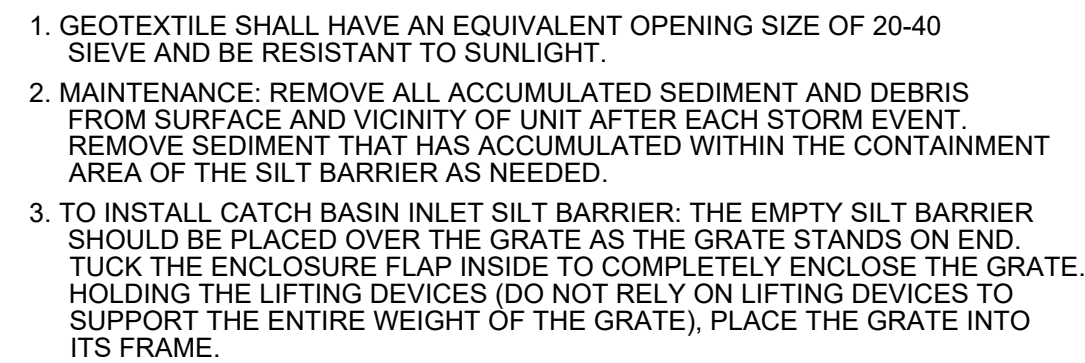
RICHMOND ROAD
CONCRETE MILLING

PROJECT NO.	
33007	
DISCIPLINE	
CIVIL	
SHEET NAME	
RICHMOND ROAD	
SHEET	OF
12	14

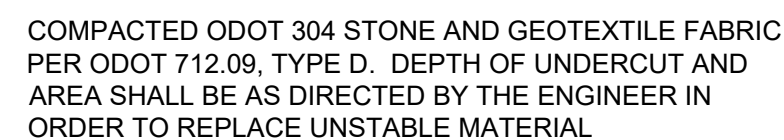


- EXCAVATION AND REMOVAL OF EXISTING PAVEMENT AND 3" OF SUBGRADE SHALL BE INCLUDED IN THE UNIT PRICE OF ITEM 255.
- PREP, INSTALLATION, AND COMPACTION OF 3" OF ODOT ITEM 304 SHALL BE INCLUDED IN THE PRICE OF ITEM 255.
- CONCRETE SHALL BE CLASS QC MS.
- FOR ALL PAVEMENT REPAIRS, ASPHALT AND/OR CONCRETE PAVEMENT SHALL BE FULL DEPTH SAWCUT.
- ALL JOINTS SHALL BE SEALED WITH HOT APPLIED SEALER – ASTM D6690 TYPE II.
- HOOK BOLTS SHALL BE INSTALLED AT 18" O/C ALONG ALL LONGITUDINAL JOINTS.
- DOWELS SHALL BE INSTALLED AT 12" O/C ALONG ALL TRANSVERSE JOINTS.

JOINT / SLAB REPLACEMENT DETAIL
(ITEM 255)



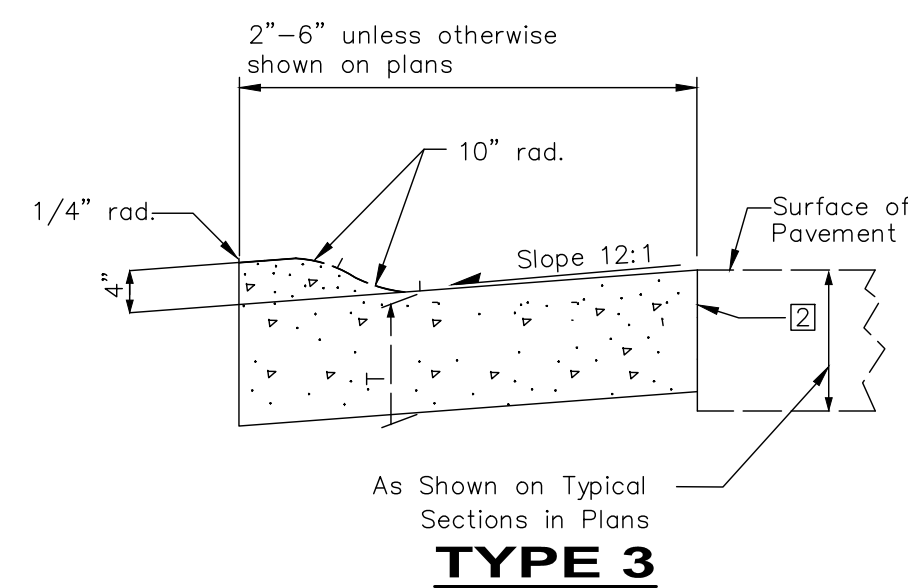
INLET PROTECTION FOR CATCH BASIN IN ROADWAY




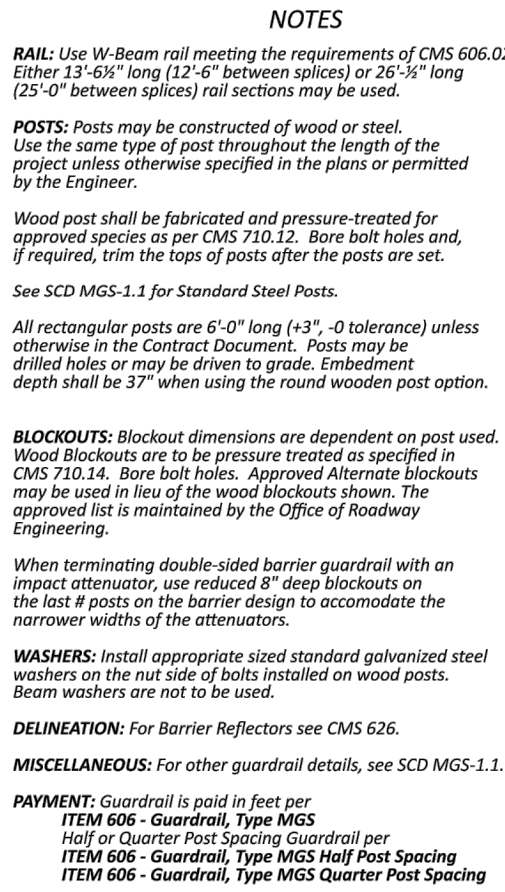
**ADDITIONAL SUBGRADE
REPLACEMENT DETAIL
(ITEM 204)**

NOTE:
ALL LOOSE AND DETERIORATED MATERIAL SHALL BE MILLED OUT UNTIL STABLE PAVEMENT IS FOUND. THE RESULTING EDGE SHALL BE REASONABLY VERTICAL AND SQUARE TO THE BOTTOM AND SHALL BE TACK COATED PRIOR TO THE PLACEMENT AND COMPACTION OF ODOT ASPHALT CONCRETE SURFACE COURSE, TYPE I, (448), PG64-22

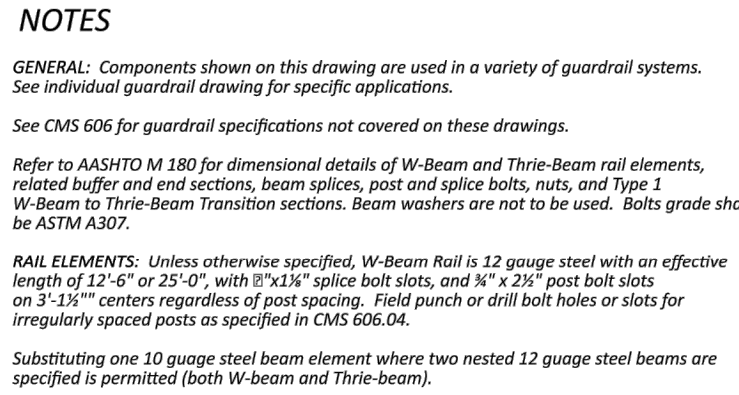
PARTIAL DEPTH PAVEMENT REPAIR
(ITEM 251)



	NO	REVISION	DATE	<p>CITY OF RICHMOND HEIGHTS</p> <p>2025 ROAD PROGRAM</p> <p>CUYAHOGA COUNTY, OHIO</p>	ISSUED FOR:	BID SET	<p>DETAILS</p>	PROJECT NO.	
					ISSUE DATE:	JULY 2025		33007	
					SCALE:	AS SHOWN		DISCIPLINE	
					DESIGNED BY:	WTV		CIVIL	
					DRAWN BY:	WTV		SHEET NAME	
					CHECKED BY:	JRH		DETAILS 1	
								SHEET	OF
					13	14			



STATE OF OHIO OFFICE OF ROADWAY ENGINEERING ADMINISTRATION	REVISIONS	ROADWAY ENGINEERING
	01-19-2018 01-17-2025	
	STUDY ENGINEER D. Fisher	Adam Koenig

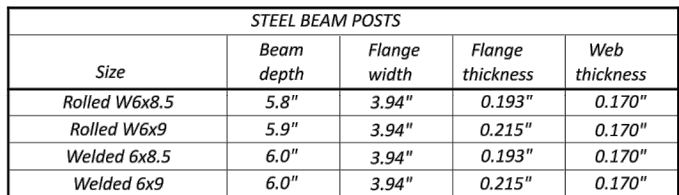


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	SCD NUMBER	MGS-2.1
	SHEET	TOTAL
	P.1	2

MGS-1.1



STATE OF OHIO OFFICE OF ROADWAY ENGINEERING ADMINISTRATION	OFFICE OF ROADWAY ENGINEERING REVISIONS 01-19-2018 01-17-2025 STDS ENGINEER D. Fisher
	Adam Koenig



STEEL BEAM POSTS				
Size	Beam depth	Flange width	Flange thickness	Web thickness
<i>Rolled W6x8.5</i>	5.8"	3.94"	0.193"	0.170"
<i>Rolled W6x9</i>	5.9"	3.94"	0.215"	0.170"
<i>Welded 6x8.5</i>	6.0"	3.94"	0.193"	0.170"
<i>Welded 6x9</i>	6.0"	3.94"	0.215"	0.170"

NOTES

GUARDRAIL HEIGHT: For initial installation, construct the guardrail within 1" of the standard 31" height to the top of W-Beam rail. When subsequent projects, such as resurfacings, affect the height of existing guardrail, adjustment is not required if the finished height is within 3" of the standard height.

POSTS: The Standard Post Length is 6'-0" (+3", 0" tolerance). Wood Posts are permitted instead of Standard Steel Posts per CMS 710.11.

POSTS: The Standard Post Length is 6'-0" (+3", -0" tolerance). Wood Posts are permitted instead of Standard Steel Posts per CMS 710.11

POST EMBEDMENT DEPTH: Standard embedment depth is 3'-4" minimum. Embedment depth shall be 37" when using the round wooden post option. Do not drive posts located over a culvert with less than 4'-3" of cover; instead set in drilled or dug holes. Where site constraints prohibit the post from being placed at least one foot in front of the slope break point, use longer posts as shown in the Guardrail Post Length and Position Detail. The face of the rail may not be beyond the slope break point.

SPECIAL POST MOUNTINGS: Install posts located over a drainage in or structure with a cover of less than 3'-4" as shown in the FOOTING ANCHOR Detail.

ANCHORS: Holes shall comply with CMS 510. Use non-shrink, non-sag grout per CMS 705.20.

PROTECTIVE COATING: In lieu of the complying with CMS 710.06, all expansion shields, anchors and concrete insert anchor assemblies embedded in concrete in accordance with ASTM A 153 or be of stainless steel. Any bolts screwed into these devices shall meet CMS 710.06.

PAYMENT: Payment for standard guardrail is measured in feet as Item 606 - Guardrail, Type MGS. Runs with longer posts should be as Item 606 - Guardrail, Type MGS With Long Posts, also measured feet. All costs associated with special post mountings are included in the unit price bid of Item 606 Guardrail of the type specified in the plans.

CITY OF RICHMOND HEIGHTS
2025 ROAD PROGRAM
CUYAHOGA COUNTY, OHIO

DETAILS

PROJECT NO.	
33007	
DISCIPLINE	
CIVIL	
SHEET NAME	
DETAILS 2	
SHEET	OF
14	14