

TRAFFIC CONTROL PLANS

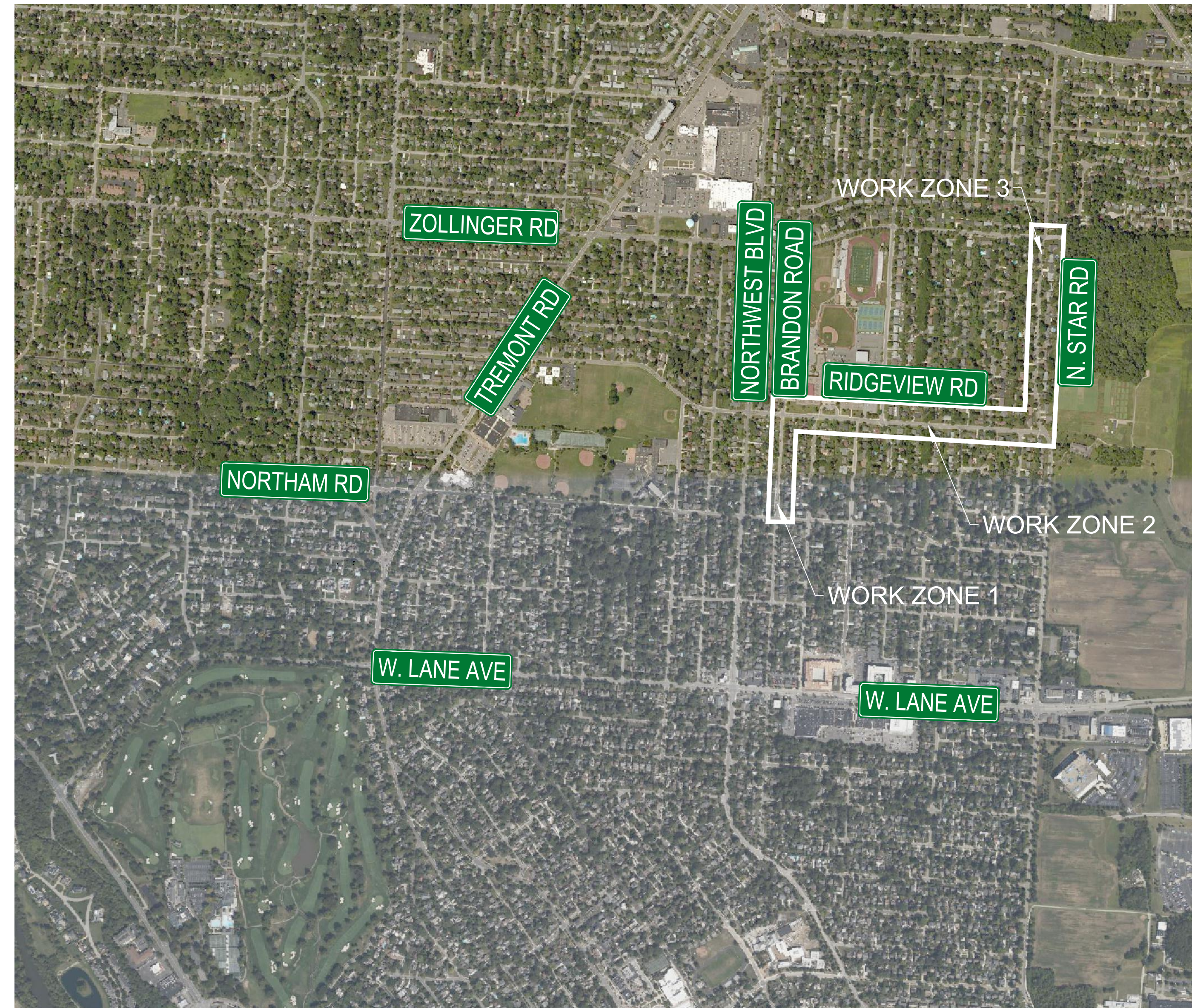
NCHP PIPELINE REPLACEMENT UNIVERSITY PHASES

UPPER ARLINGTON, FRANKLIN COUNTY, OHIO



COUNTY MAP
NOT TO SCALE

SITE



PROJECT NARRATIVE

THE PROJECT WILL INVOLVE THE INSTALLATION OF 0.96 MILES OF 20-INCH HIGH PRESSURE STEEL PIPELINE.

PROJECT AREA SPANS ACROSS UPPER ARLINGTON JURISDICTION IN FRANKLIN COUNTY.

THE PROJECT CONSISTS OF 3 WORK ZONES. EACH ZONE WILL HAVE A FULL ROAD CLOSURE AND DETOUR. WORK ZONE 2 ALONG RIDGEVIEW ROAD IS SPLIT INTO 4 SUB-ZONES.

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- 19 ZONE 3 - ZOLLINGER ROAD TRAFFIC CONTROL PLAN

TRAFFIC CONTROL NOTES

1. ACCESS TO ALL RESIDENTIAL AND COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. THIS DOES NOT APPLY TO THE SIDEWALK IN THE CLOSURE AREA.
2. ALL TRAFFIC CONTROL DEVICES AND THEIR USAGE SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), 2012 EDITION.
3. ALL EXISTING PAVEMENT MARKINGS THAT ARE REMOVED FOR TRAFFIC CONTROL OR OBLITERATED DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED WITH WATERBORNE FOR THE LONGITUDINAL, LANE LINES AND OVERLAY COLD PLASTIC FOR SPECIAL MARKINGS (STOP BARS, ARROWS, ETC).
4. ANY PERMANENT ODOT SIGNS IMPACTED DURING CONSTRUCTION MUST BE REPLACED AT THE CONTRACTORS EXPENSE ON NEW SUPPORTS PER ODOT STANDARDS.
5. ALL SIGN MATERIALS AND SUPPORTS MUST MEET NCHRP-350 CRASH WORTHY OR MASH REQUIREMENTS.
6. TEMPORARY WARNING, REGULATORY, AND GUIDE SIGNS NOT REQUIRED FOR A PARTICULAR LANE OR SHOULDER CLOSURE MUST BE REMOVED, COVERED OR LAID DOWN WITH THE LEGS REMOVED
7. DURING CONSTRUCTION AND LANE CLOSURES, ACCESS TO ALL BUSINESS AND RESIDENTIAL DRIVES MUST BE MAINTAINED AT ALL TIMES. IN ADDITION, ACCESS FOR EMERGENCY VEHICLES (FIRE, AMBULANCE, POLICE) SHALL BE MAINTAINED TO ADJACENT HOMES, BUSINESSES AND SUBDIVISIONS AT ALL TIMES.
8. FLAGGERS SHALL BE USED WHEN NECESSARY, IN CONJUNCTION WITH TEMPORARY TRAFFIC LIGHTS.

PROJECT CONTACTS

RIGHT-OF-WAY PERMITTING

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CONTRACTOR

SUB-CONTRACTOR



THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

CONSTRUCTION SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

Revisions	DATE	DESCRIPTION



Project Number	Date
1037-23-11802	05/20/2024
P.M.	Checked by
J.P.	CS
	Drawn by
	BM
	Crew/Book
	BOOK

Client
CAMPOS, EPC

Project
NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address
VARIES
UPPER ARLINGTON, OHIO 43221

County
FRANKLIN COUNTY

Community
UPPER ARLINGTON

Township
1N

Range
19W

Section
SE

Professional Name _____ Date _____

Title
**TRAFFIC CONTROL PLAN
COVER SHEET**

Drawing Scale _____ Sheet Number
01
NOT TO SCALE

TEMPORARY TRAFFIC CONTROL

1. ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (CURRENT EDITION). COPIES ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF CONTRACTS, 1980 WEST BROAD STREET, COLUMBUS, OHIO 43223. NOTE: ALL DEVICES SHALL COMPLY, FOR CONDITION AND LOCATION, WITH THE CURRENT EDITION OF THE NCHRP 350 AND MASH CRASH TESTING GUIDELINES.

2. CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, INCLUDING THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF CONFLICTING TRAFFIC CONTROLS, THEIR PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED. TEMPORARY PAVEMENT MARKINGS TO INCLUDE, BUT NOT LIMITED TO, CHANNELIZING LINES, EDGE LINES, AND CENTERLINES SHALL BE INSTALLED AND MAINTAINED ON ALL CONSTRUCTION OPERATIONS LASTING A MINIMUM OF 14 CALENDAR DAYS OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR THE PROJECT ENGINEER.

3. THE CONTRACTOR SHALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT 614-645-0355 OR 614-645-5845 & THE DIVISION OF REFUSE COLLECTION'S OPERATION MANAGER AT 614-645-1675, WRITTEN NOTIFICATION TO PAVING THE WAY AT PAVINGTHEWAY@MORPC.ORG OR VERBAL TO (614)233-4200, PROJECT ENGINEER, AND THE SENIOR SERVICE PLANNER OF COTA AT 614-308-4373 OR FAX 614-275-5933, INFORMING THEM OF ALL UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. NOTIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, WHAT, WHERE, WHEN AND HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED, AND THE TEMPORARY TRAFFIC CONTROL PROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGE SHALL DETERMINE THE LENGTH OF ADVANCE NOTIFICATION REQUIRED:

TYPE OF CHANGE	ADVANCE NOTIFICATION NEEDED
DETOURS/ROAD CLOSURES PRIOR TO CLOSURE	30-DAY NOTIFICATION
LANE CLOSURES LASTING 2 WEEKS OR MORE	2-WEEKS
LANE CLOSURES OF LESS THAN 2 WEEKS	
3-DAYS	
LANE CLOSURES OF 2 DAYS OR LESS	1-DAY

THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON ASSIGNED COTA ROUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL BE AS PER CITY OF UPPER ARLINGTON CONSTRUCTION AND MATERIAL SPECIFICATIONS, CITY OF UPPER ARLINGTON STANDARD CONSTRUCTION DRAWINGS, AND FIGURES 6H-28 (TA-28) AND 6H-29 (TA-29) OF PART VI OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. WHEN NOT SHOWN ON A SIGNED PLAN, ALL SIDEWALK DIVERSIONS AND TEMPORARY MID-BLOCK CROSSINGS SHALL BE PRE-APPROVED BY THE PROJECT ENGINEER OR THE TEMPORARY TRAFFIC CONTROL COORDINATOR. ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

HOLIDAYS AND SPECIAL EVENTS

1. NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING DESIGNATED HOLIDAYS OR SPECIAL EVENTS. THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. CONTACT THE CITY OF UPPER ARLINGTON, 614-583-5360 FOR EVENT DATES, LOCATIONS, AND SCHEDULE. HOLIDAYS WILL CONSIST OF CHRISTMAS, NEW YEARS, FOURTH OF JULY-RED, WHITE AND BOOM FIREWORKS NIGHT (6:00AM-12MIDNIGHT), MEMORIAL DAY, LABOR DAY, AND THANKSGIVING. RED, WHITE AND BOOM, FIREWORKS CELEBRATION AND A MINIMUM OF ONE DAY PRIOR TO FIREWORKS NIGHT SHALL REQUIRE ALL TEMPORARY TRAFFIC CONTROL DEVICES TO BE REMOVED FROM THE PROJECT AREA AND PLACED EITHER IN A PRE-DETERMINED LOCATION APPROVED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR COMPLETELY REMOVED FROM THE SITE.

2. THE CONTRACTOR SHALL CONTACT THE CITY OF UPPER ARLINGTON ENGINEERING DEPARTMENT FOR ANY ADDITIONAL MOT REQUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBALL HOME GAMES.

3. THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED OR COVERED, AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, OR IMPROPERLY PLACED SIGNS.

4. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.

5. THE ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE STOP, YIELD, ONE-WAY, DO NOT ENTER, RESTRICTED TURN SIGNS AND ALL STREET NAME SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.

ITEM 614 - MAINTAINING TRAFFIC

1. ALL COSTS THAT CONSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO THE LATEST EDITION OF THE CITY OF UPPER ARLINGTON CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTOD), AND PER THE REQUIREMENTS DESIGNATED IN THE PLAN INCLUDING ALL LAW ENFORCEMENT OFFICER (LEO) AND FLAGGER HOURS SHALL BE INCLUDED IN THE LUMP SUM ITEM 614. IN ADDITION TO THE REQUIREMENTS HEREIN, AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, A UNIFORMED LAW ENFORCEMENT OFFICER (LEO) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC UNDER THE FOLLOWING CONDITIONS:

- WORK WITHIN A SIGNALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR WALK LINES
- WHEN FLAGGING WITHIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS

- WHEN SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLAN OR AS WHEN DIRECTED BY THE PROJECT ENGINEER
- WHEN SHIFTING TRAFFIC LEFT OF CENTER, THROUGH A SIGNALIZED INTERSECTION, WITHOUT SHIFTING SIGNAL HEADS

2. A FLAGGER SHALL BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN INTERSECTION OR WORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN FLAGGER OR LEO UNDER PAY ITEM 614 MAINTAINING TRAFFIC, LUMP SUM. FLAGGERS AND LEO'S SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN THE OMUTOD. FLAGGING OPERATIONS PERFORMED BY LEO'S OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED AS LONG AS ALL TRAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H-10 (TA-10) IN THE OHIO MANUAL. PATROL CARS SHALL NOT BE USED IN FLAGGING OPERATIONS.

3. IF THE CONTRACTOR WISHES TO UTILIZE LEO'S WITH OR WITHOUT PATROL CARS FOR TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE ARRANGEMENT THROUGH THE UPPER ARLINGTON POLICE DIVISION AT (614) 583-5150.

4. LEO'S SHALL BE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL OVER THEIR PLACEMENT. LEO'S SHALL NOT HAVE THE AUTHORITY TO CHANGE, EDIT OR MODIFY ANY MAINTENANCE OF TRAFFIC SCHEME WITHOUT THE PERMISSION OF THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER UNLESS AN EMERGENCY DEVELOPS.

5. IF A SAFETY HAZARD DEVELOPS, A LEO MAY BE ASSIGNED BY THE COLUMBUS PUBLIC SAFETY AND/OR THE PUBLIC SERVICE DIRECTOR AT THE CONTRACTOR'S EXPENSE.

TEMPORARY TRAFFIC CONTROL

1. APORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO CLOSURE OF A ROADWAY. THE MESSAGE SHALL ADVISE THE MOTORIST OF THE DATES, TIMES, AND DURATION OF THE CLOSURE. THE PLANS SHALL REMAIN IN PLACE FOR 7 DAYS AFTER THE START OF THE CLOSURE.

2. WHEN NOT INCLUDED IN A SIGNED PLAN, A TTC PLAN (TTCP) INCLUDING PEDESTRIAN CONTROL SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT AT 614-583-5360 AT THE PRE-CONSTRUCTION MEETING OR A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO BEGINNING WORK FOR APPROVAL. COPIES OF THE APPROVED TTCP SHALL BE GIVEN TO THE PROJECT ENGINEER AND KEPT ON SITE ALONG WITH THE STREET CLOSURE/OCCUPANCY PERMIT.

3. TYPE C STEADY-BURN OR TYPE D 360-DEGREE STEADY-BURN WARNING LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. ONLY 42" REFLECTORIZED CHANNELIZING DEVICES (CONES) SHALL BE PERMITTED FOR NIGHTTIME WORK WITH THE APPROVAL OF THE ENGINEERING DEPARTMENT AT 614-583-5360 PER O.D.O.T. STANDARDS.

4. A FLASHING ARROW PANEL (48" X 96"-TYPE C) SHALL BE USED IN LANE CLOSURES AS PER THE OHIO MANUAL.

5. ALL TRENCHES WITHIN THE ROAD RIGHT OF WAY SHALL BE BACKFILLED OR SECURELY PLATED PER (CITY OF UPPER ARLINGTON GENERAL POLICY ON STEEL PLATE USAGE DATED 11/15/2006 AND STD. DWG. 1441, LATEST EDITION) DURING NON-WORKING HOURS.

6. ALL EXISTING TRAFFIC LANES SHALL BE FULLY OPEN TO TRAFFIC AT ALL TIMES ON:

7. ALL TRAFFIC LANES SHALL BE FULLY OPEN TO TRAFFIC FROM 6:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M., OR 6:00 TO 9:00 A.M. AND 3:00 TO 6:00 P.M. IN THE UPPER ARLINGTON BUSINESS DISTRICT (CBD) PARKING AREA, MONDAY THROUGH FRIDAY ON

_____LANE(S) MAY BE CLOSED TO TRAFFIC DURING WORKING HOURS.

8. ONE-WAY _____LANE(S) OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON _____

9. TWO-WAY, TWO-LANE (ONE-LANE EACH DIRECTION) TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF EXISTING, PROPOSED, OR TEMPORARY PAVEMENT PER CITY OF UPPER ARLINGTON MAINTENANCE OF TRAFFIC, STANDARD CONSTRUCTION DRAWING 1510 AND FIGURE 6H-32 TYPICAL APPLICATION 32 (TA-32) OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

10. TWO-WAY, ONE-LANE TRAFFIC MAY BE MAINTAINED DURING CONSTRUCTION OPERATIONS ON _____ PER THE CITY OF UPPER ARLINGTON MAINTENANCE OF TRAFFIC, STANDARD CONSTRUCTION DRAWING 1550 AND FIGURE 6H-10 (TA-10) OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

11. _____ AND _____ MAY BE CLOSED BETWEEN _____ FOR A MAXIMUM OF _____ HOUR(S)/DAY(S) BETWEEN THE HOURS OF _____ AND _____ PER THE CITY OF UPPER ARLINGTON MAINTENANCE OF TRAFFIC, STANDARD CONSTRUCTION DRAWING 1540 AND FIGURE 6H-20 (TA-20) OF THE OHIO MANUAL AND/OR APPROVED BY THE DEPARTMENT OF PUBLIC SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS IN PROVIDING DETOUR INCLUDING THE REMOVAL AND REINSTALLATION OF ANY CONFLICTING TRAFFIC CONTROL AND/OR ANY NECESSARY TRAFFIC SIGNAL WORK.

12. A TEMPORARY DIVERSION SHALL BE PROVIDED AND MAINTAINED IN GOOD CONDITION ON _____ DURING THE PERIOD OF WORK. ALL SUCH DIVERSIONS SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

13. THE DEPARTMENT OF PUBLIC SERVICE WILL REMOVE OR COVER ALL PARKING METER HEADS PUT OUT OF SERVICE BY THIS PROJECT. THERE IS A \$60.00 DOLLAR CHARGE FOR THE REMOVAL AND REINSTALLATION OF EACH METER. IN ADDITION, A DAILY METER FEE WILL BE CHARGED FOR ALL ENFORCEMENT HOURS FOR EACH METER TAKEN OUT OF SERVICE, SEE THE PARKING METER OUT OF SERVICE FEES NOTE FOR MORE INFORMATION AND THE CALCULATION OF METERS TAKEN OUT OF SERVICE, PLUS THE METER POST AND CORE NOTE. THESE CHARGES WILL BE COLLECTED FROM THE CONTRACTOR IN ADVANCE WITH THE ISSUANCE OF THE STREET OCCUPANCY/EXCAVATION PERMIT FROM THE DEPARTMENT OF PUBLIC SERVICE'S PERMIT OFFICE. (614-645-7497) PARKING SERVICES SHALL BE NOTIFIED A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT, SUN, & HOLIDAYS) PRIOR TO BEGINNING WORK. CALL 614-645-4072. THIS COST IS TO BE INCLUDED IN THE BID FOR THIS PROJECT AS A PART OF ITEM 614 MAINTENANCE OF TRAFFIC, LUMP SUM.

14. FOR MOBILE PAYMENT ONLY ZONES, PLEASE REVIEW THE POSTED MOBILE PAYMENT ZONE SIGN AND PROVIDE THE MOBILE PAYMENT ZONE NUMBER FOR THE PARKING SPACE(S) THAT WILL BE REMOVED FROM SERVICE. IF "TICK-MARKS" ARE INCLUDED WITHIN THE PARKING ZONE, THEN COUNT THE NUMBER OF SPACES NEEDED TO BE OUT OF SERVICE. IF NO "TICK-MARKS" ARE WITHIN THE PARKING ZONE, THEN CALCULATE THE NUMBER OF "SPACES" NEEDED BY USING 20 FEET PER SPACE. ONCE ALL THE INFORMATION LISTED ABOVE HAS BEEN COLLECTED FOR THE PAID PARKING TO BE REMOVED FROM SERVICE, CONTACT THE CITY OF UPPER ARLINGTON FOR ASSISTANCE WITH ESTIMATING THE DAILY PAID PARKING REVENUE RATE. PROVIDE THE PROJECT LOCATION IN THE SUBJECT LINE OF THE EMAIL. THE ONLINE METER MAP WILL ALSO INCLUDE THE HOURLY RATE FOR MOBILE PAYMENT ZONES. THIS COST IS TO BE INCLUDED IN THE BID FOR THIS PROJECT AS A PART OF ITEM 614 MAINTENANCE OF TRAFFIC, LUMP SUM. AT THE TIME THE CONTRACTOR SUBMITS FOR THE STREET OCCUPANCY/EXCAVATION PERMIT, ALONG WITH THE PAID PARKING IDENTIFICATION NUMBERS TO BE INCLUDED ON THE PERMIT REQUEST FORM, THE CONTRACTOR IS TO PROVIDE A LISTING OF THE METER

IDENTIFICATION NUMBERS AND/OR MOBILE PAYMENT ONLY ZONE NUMBERS AND THE NUMBER OF DAYS THAT EACH PAID PARKING SPACE IS TO BE OUT OF SERVICE, TO THE DEPARTMENT OF PUBLIC SERVICE PERMIT OFFICE. THE PERMIT OFFICE WILL VERIFY THAT THE HOURLY RATES ARE CORRECT AND CALCULATE THE COST OF THE PERMITTING.

15. TEMPORARY "EMERGENCY NO PARKING" SIGNS SHALL BE INSTALLED BY THE CONTRACTOR IN AREAS WITH NO PARKING METERS AND TO REMOVE PARKING FROM SERVICE IN AREAS WHERE PARKING METERS, KIOSKS, AND OR MOBILE PAYMENT ZONE(S) PARKING HAS BEEN TAKEN OUT OF SERVICE. THE SIGNS SHALL SHOW THE PERMIT NUMBER, INSTALLATION DATE, WORKING DATES, AND HOURS OF RESTRICTION ON EACH SIGN. SIGNS SHALL BE POSTED AT 50' C/C MINIMUM BY USE OF ANY OF THE FOLLOWING ITEMS: EXISTING SIGN POSTS, EXISTING UTILITY POLES, DRUMS AND/OR 42" CONES AND REMOVED BY THE CONTRACTOR IN AREAS WITH NO PARKING METERS. THE TEMPORARY SIGN(S) SHALL HAVE THE INSTALLATION DATE, WORKING DATES, AND HOURS OF RESTRICTION SHOWN ON EACH SIGN. THESE SIGNS MAY BE OBTAINED FROM THE DEPARTMENT OF PUBLIC SERVICE'S PERMIT OFFICE. THE POLICE DIVISION REQUIRES THE "EMERGENCY NO PARKING" SIGNS BE POSTED A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY VEHICLES BEING TOWED. WITHIN TWENTY-FOUR (24) HOURS OF POSTING, THE CONTRACTOR SHALL SUPPLY THE DEPARTMENT OF PUBLIC SERVICE WITH A WRITTEN RECORD OF POSTED LOCATIONS (FAX: 614-645-3298).

16. THE CONTRACTOR SHALL CONTACT OHIO UTILITY PROTECTION SERVICE (OUPS), NOW OHIO 811 TO LOCATE AND MARK ALL UNDERGROUND TRAFFIC CONTROL CABLES PRIOR TO THE BEGINNING OF ANY WORK WITHIN 450 FEET OF ANY SIGNALIZED INTERSECTION(S) OR WITHIN ANY POSTED AREA WHERE THE DEPARTMENT HAS UNDERGROUND CABLE. THE SIGNAL OPERATION ENGINEER (614-645-6418) SHALL BE NOTIFIED SIX (6) WEEKS IN ADVANCE FOR SIGNAL REVISIONS OR POLE RELOCATIONS.

17. THE CONTRACTOR SHALL CONTACT THE DIVISION OF REFUSE COLLECTION, OPERATIONS MANAGER MICHAEL PICKARD, 614-645-1675.

18. NO EXCAVATION SHALL BE MADE WITHIN FIVE (5) FEET OF ANY FOUNDATION THAT SUPPORTS SIGNAL POLES, TRAFFIC SIGNAL DISPLAYS OR SIGNS BY MAST ARM OR SIGNAL SPAN. EXCAVATION WITHIN EIGHT (8) FEET, BUT MORE THAN FIVE (5) FEET SHALL REQUIRE ADDITIONAL SUPPORT (DOWN GUY, HEAD GUY, BASE GUY, ETC.). THE CONTRACTOR SHALL CONTACT SIGNAL OPERATION PERSONNEL AT 614-645-0423(CELL 614-419-4501) AT LEAST FORTY-EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE BEGINNING OF SUCH EXCAVATION SO THAT THE CITY CAN APPROVE THE STABILIZATION SETUP BY THE CONTRACTOR. IF UNABLE TO MAKE CONTACT THROUGH ABOVE NUMBERS, CALL 614-645-7393. STABILIZATION WILL BE DONE BY THE CONTRACTOR AT THE OWNERS'/CONTRACTING AGENCY'S EXPENSE.

19. SIGNAL CONDUIT CLEARANCE 3' HORIZONTAL AND 1' VERTICAL FROM ADJACENT UTILITIES SHALL BE MAINTAINED AT ALL TIMES.

20. WHEN ANY TRAFFIC CONTROL DEVICE, CONDUIT, OR CABLE IS DAMAGED, THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATION PERSONNEL AT 614-645-0423 (CELL 614-419-4501) BETWEEN 7:00 AM AND 4:00 PM, MONDAY THROUGH FRIDAY. IF UNABLE TO MAKE CONTACT THROUGH THE OTHER NUMBERS, CALL 614-645-7393.

21. THE ROADWAY OR ANY SECTION OF ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL ALL TEMPORARY, NON-REFLECTIVE, BLACKOUT TAPE HAS BEEN COMPLETELY REMOVED FROM NON-CONFLICTING PERMANENT PAVEMENT MARKINGS FOR THAT AREA OF THE ROADWAY, OR UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER. THIS IS SUPPLEMENTAL TO CITY OF COLUMBUS, CMS-614.11- G, AND SHALL BE PAID FOR THROUGH THE 614-LUMP SUM.

22. WHENEVER YELLOW CENTERLINES OR TURN-LANE LINES ARE PAVED OVER, REMOVED, OR OTHERWISE UNSERVICEABLE, THE CONTRACTOR SHALL INSTALL CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS). TEMPORARY PAINT SHALL BE USED ON ALL MILLED SURFACES. TEMPORARY TAPE SHALL BE USED ON ALL FINAL COURSES OF ASPHALT. PAINT OR TAPE MAY BE USED ON INTERMEDIATE COURSES OF ASPHALT IF APPROVED BY THE ENGINEER, DRUMS WITH STEADY BURNING TYPE C OR TYPE D 360 DEGREE WARNING LIGHTS AND "KEEP RIGHT" SIGNS MAY BE SUBSTITUTED FOR CENTERLINE MARKINGS.

23. CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS) SHALL BE AS PER ITEM 614 - WORK ZONE PAVEMENT MARKING AND SHALL BE PLACED WITHIN ONE (1) FOOT LONGITUDINAL TOLERANCE OF THE PERMANENT STRIPE(S). ALL TEMPORARY STRIPING NOT TO WITHIN ONE (1) FOOT TOLERANCE SHALL BE REMOVED AND REPLACED IN THE PROPER LOCATION BY THE CONTRACTOR. CLASS II TEMPORARY STRIPING SHALL BE OF THE APPROPRIATE COLOR AND SPACED A MAXIMUM OF FORTY (40) FEET CENTER TO CENTER

EXISTING PERMANENT TRAFFIC CONTROL

1. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING CONSTRUCTION. PERMANENT TRAFFIC CONTROL NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE REPLACED IMMEDIATELY.

3. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS (RPM) SHOWN IN CONFLICT, REMOVED DUE TO CONSTRUCTION OR MAINTENANCE OF TRAFFIC SET UP, DESTROYED, OR RENDERED UNSERVICEABLE BY THE PROJECT ENGINEER OR THE PUBLIC SERVICE PAVEMENT MARKING MANAGER. ALL PAVEMENT MARKING MATERIALS SHALL BE REPLACED IN-LIKE KIND TO THE CURRENT CMSC SPECIFICATION REQUIREMENTS IF NOT SHOWN IN THE PLAN OR PERMIT INCLUDING RAISED PAVEMENT MARKERS. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN FULL. NO PARTIAL LENGTH OR SECTIONS OF PAVEMENT MARKINGS SHALL BE REPLACED WITHOUT REMOVING THE ENTIRE MARKING BY USE OF THE WATER BLAST METHOD. REMOVAL BY ABRASIVE WHEEL GRINDING SHALL ONLY BE APPROVED BY THE PUBLIC SERVICE PAVEMENT MARKING MANAGER.

EXISTING PERMANENT TRAFFIC CONTROL

1. ALL OVERHEAD CABLE, AND DOWN GUYS OR BACK GUYS SHALL NOT BLOCK ANY PORTION OF A TRAFFIC SIGNAL, TRAFFIC CONTROL SIGN, OR OTHER TRAFFIC CONTROL DEVICE SUCH THAT VISIBILITY OR OPERATION OF THE TRAFFIC CONTROL DEVICE IS IMPAIRED.

2. ALL PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS AS SHOWN ON THIS PLAN SHALL BE INSTALLED BY THE CONTRACTOR AT THE PROJECTS EXPENSE. THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE INSTALLATION OF PERMANENT MARKINGS TO INSPECT AND APPROVE THE PAVEMENT MARKING LAYOUT PRIOR TO PLACING THE PERMANENT MARKINGS.

3. PERMANENT STRIPING OR CLASS I TEMPORARY STRIPING SHALL BE INSTALLED NO LATER THAN FOURTEEN (14) CALENDAR DAYS AFTER THE FINAL PAVING COURSE IS COMPLETED. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE STRIPING CONTRACTOR TO INSURE THE PERMANENT STRIPING IS INSTALLED WITHIN THE FOURTEEN (14) CALENDAR DAY LIMIT.

4. IF THE DEPARTMENT OF PUBLIC SERVICE IS TO INSTALL PERMANENT STRIPING, THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO THE APPLICATION OF THE FINAL COURSE OF PAVEMENT.



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Revisions
DATE DESCRIPTION



Project Number 1037-23-11802 Date 05/20/2024
P.M. J.P. Checked by CS Drawn by BM Crew/Book BOOK

Client
CAMPOS, EPC

Project
NCH PIPELINE
REPLACEMENT- PHASE 2
UNIVERSITY

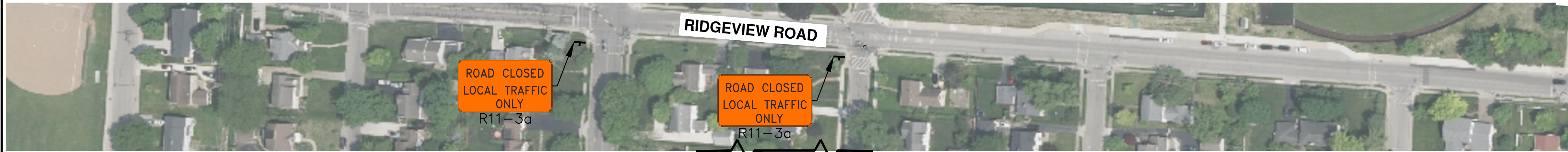
Site Address
VARIES
UPPER ARLINGTON, OHIO 43221

County FRANKLIN COUNTY Community UPPER ARLINGTON
Township 1N Range 19W Section SE

Professional Name _____ Date _____

Title
UNIVERSITY MOT
NOTES

Drawing Scale _____ Sheet Number
NOT TO SCALE 02



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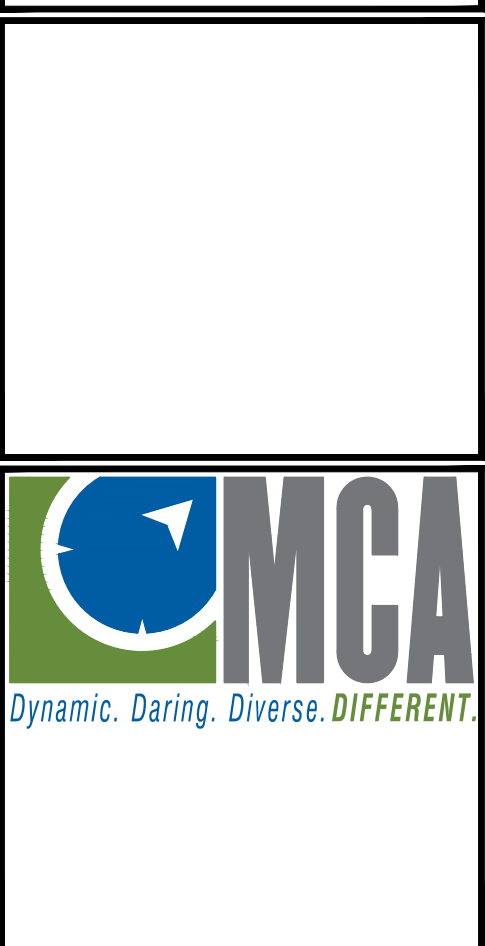


MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	11
END DETOUR	M4- 8A	2
DETOUR - LEFT ARROW	M4-9L	3
DETOUR - RIGHT ARROW	M4-9R	3
DETOUR - STRIGHT ARROW	M4-9S	5
DETOUR - LEFT ARROW	M4-10L	1
DETOUR - RIGHT ARROW	M4-10R	1
ROAD CLOSED	R11-2	6
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3A	6
DETOUR AHEAD	W20-2	2
ROAD CLOSED AHEAD	W20-3	2

- LEGEND**
- EXISTING TRAFFIC FLOW
 - PROPOSED TRAFFIC FLOW
 - ▨ PAVEMENT MARKING
 - ▨ LIGHTED ARROW PANNEL
 - ▨ TYPE III BARRICADE
 - ▨ SIGN
 - ▨ TRAFFIC BARREL
 - ▨ TRAFFIC SHIFT
 - ▨ PARKING METER
 - ☼ TYPE A WARNING FLASHER
 - ▨ STAGING AREA
 - ▨ WORK ZONE
 - DETOUR ROUTE
 - ▨ JERSEY BARRIER
 - ▨ FLAGGER

Revisions

DATE	DESCRIPTION



Project Number: 1037-23-11802 Date: 05/20/2024
 P.M. JP Checked by: CS Drawn by: BM Crew/Book: BOOK

Client: **CAMPOS, EPC**

Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address: VARIES
 UPPER ARLINGTON, OHIO 43221
 County: FRANKLIN COUNTY UPPER ARLINGTON
 Township: 1N Range: 19W Section: SE

Professional Name: _____ Date: _____

Title: **UNIVERSITY MOT ZONE 0- NORTHAM ROAD TRAFFIC CONTROL**

Drawing Scale: 1" = 80' Sheet Number: **03**

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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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DATE	DESCRIPTION



Project Number	Date
1037-23-11802	05/20/2024
P.M.	Checked by
J.P.	CS
	Drawn by
	EM
	Crew/Book
	BOOK

Client: **CAMPOS, EPC**

Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address	
VARIABLES	UPPER ARLINGTON, OHIO 43221
County	FRANKLIN COUNTY UPPER ARLINGTON
Township	1N Range 19W Section SE

Professional Name: _____ Date: _____

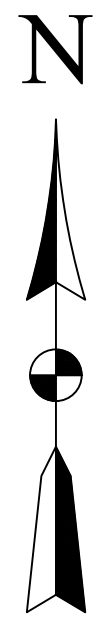
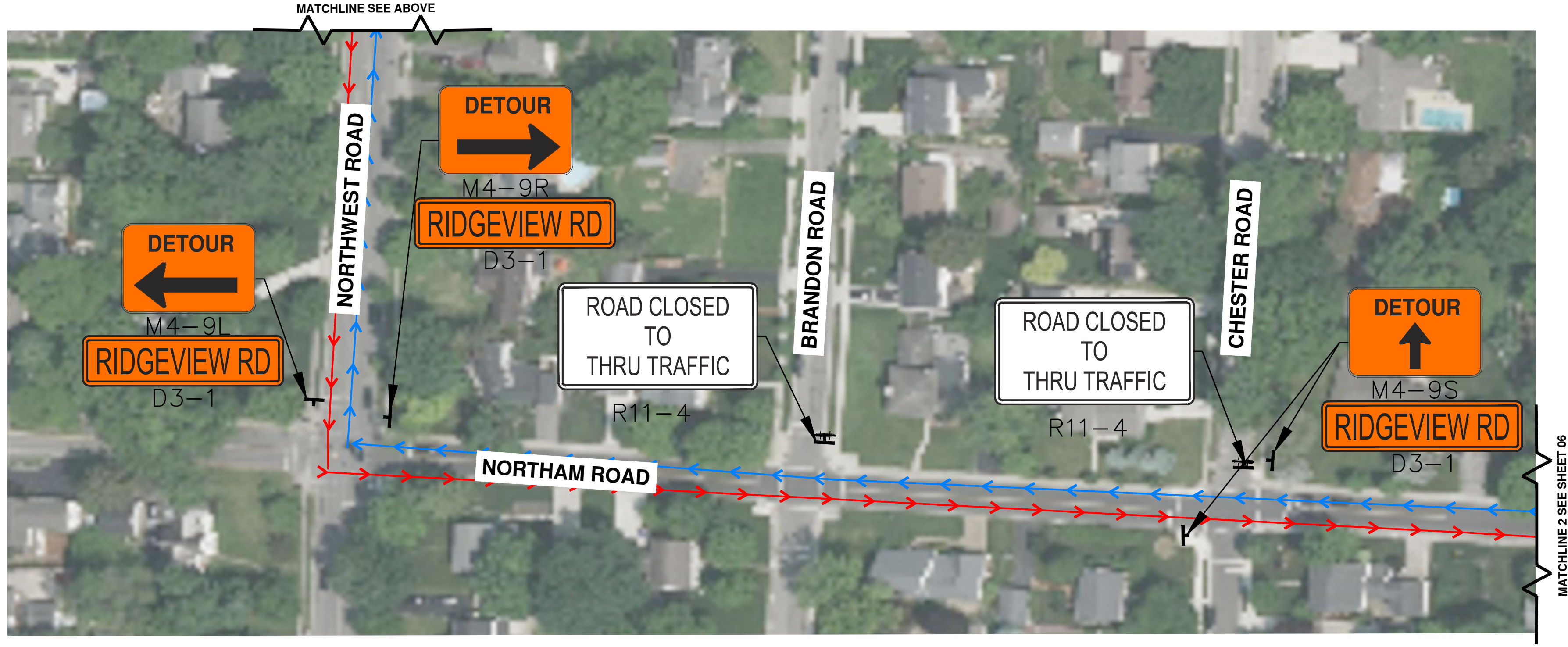
Title: **UNIVERSITY MOT**
ZONE 1 - BRANDON ROAD
TRAFFIC CONTROL PLAN

Drawing Scale	Sheet Number
1" = 60'	04



MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	7
END DETOUR	M4- 8A	2
DETOUR - LEFT ARROW	M4-9L	2
DETOUR - RIGHT ARROW	M4-9R	4
DETOUR - STRIGHT ARROW	M4-9S	2
DETOUR - LEFT ARROW	M4-10L	1
DETOUR - RIGHT ARROW	M4-10R	1
NO RIGHT TURN	R3-1	1
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	2
DETOUR AHEAD	W20-2	3
ROAD CLOSED AHEAD	W20-3	3

LEGEND	
	EXISTING TRAFFIC FLOW
	PROPOSED TRAFFIC FLOW
	PAVEMENT MARKING
	LIGHTED ARROW PANNEL
	TYPE III BARRICADE SIGN
	TRAFFIC BARREL
	TRAFFIC SHIFT
	PARKING METER
	TYPE A WARNING FLASHER
	STAGING AREA
	WORK ZONE
	DETOUR ROUTE
	JERSEY BARRIER
	FLAGGER



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Revisions	DATE	DESCRIPTION



Project Number: 1037-23-11802
 Date: 05/20/2024
 P.M.: JP
 Checked by: CS
 Drawn by: BM
 Crew/Book: BOOK

Client: CAMPOS, EPC

Project: NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address: RIDGEVIEW ROAD, UPPER ARLINGTON, OHIO 43221

County: FRANKLIN COUNTY
 Community: UPPER ARLINGTON

Township: 1N
 Range: 19W
 Section: SE

Professional Name: _____ Date: _____

Title: UNIVERSITY MOT
 ZONE 2A- RIDGEVIEW ROAD TRAFFIC CONTROL PLAN

Drawing Scale: 1" = 60'
 Sheet Number: 05

NOTE
 ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	3
END DETOUR	M4-8A	1
DETOUR - LEFT ARROW	M4-9L	1
DETOUR - RIGHT ARROW	M4-9R	1
DETOUR - STRIGHT ARROW	M4-9S	1
DETOUR - RIGHT ARROW	M4-10R	1
ROAD CLOSED	R11-2	2
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	2
ROAD CLOSED THRU TRAFFIC	R11-4	2
DETOUR AHEAD	W20-2	1
ROAD CLOSED AHEAD	W20-3	1

LEGEND	
	EXISTING TRAFFIC FLOW
	PROPOSED TRAFFIC FLOW
	PAVEMENT MARKING
	LIGHTED ARROW PANNEL
	TYPE III BARRICADE
	SIGN
	TRAFFIC BARREL
	TRAFFIC SHIFT
	PARKING METER
	TYPE A WARNING FLASHER
	STAGING AREA
	WORK ZONE
	DETOUR ROUTE
	JERSEY BARRIER
	FLAGGER

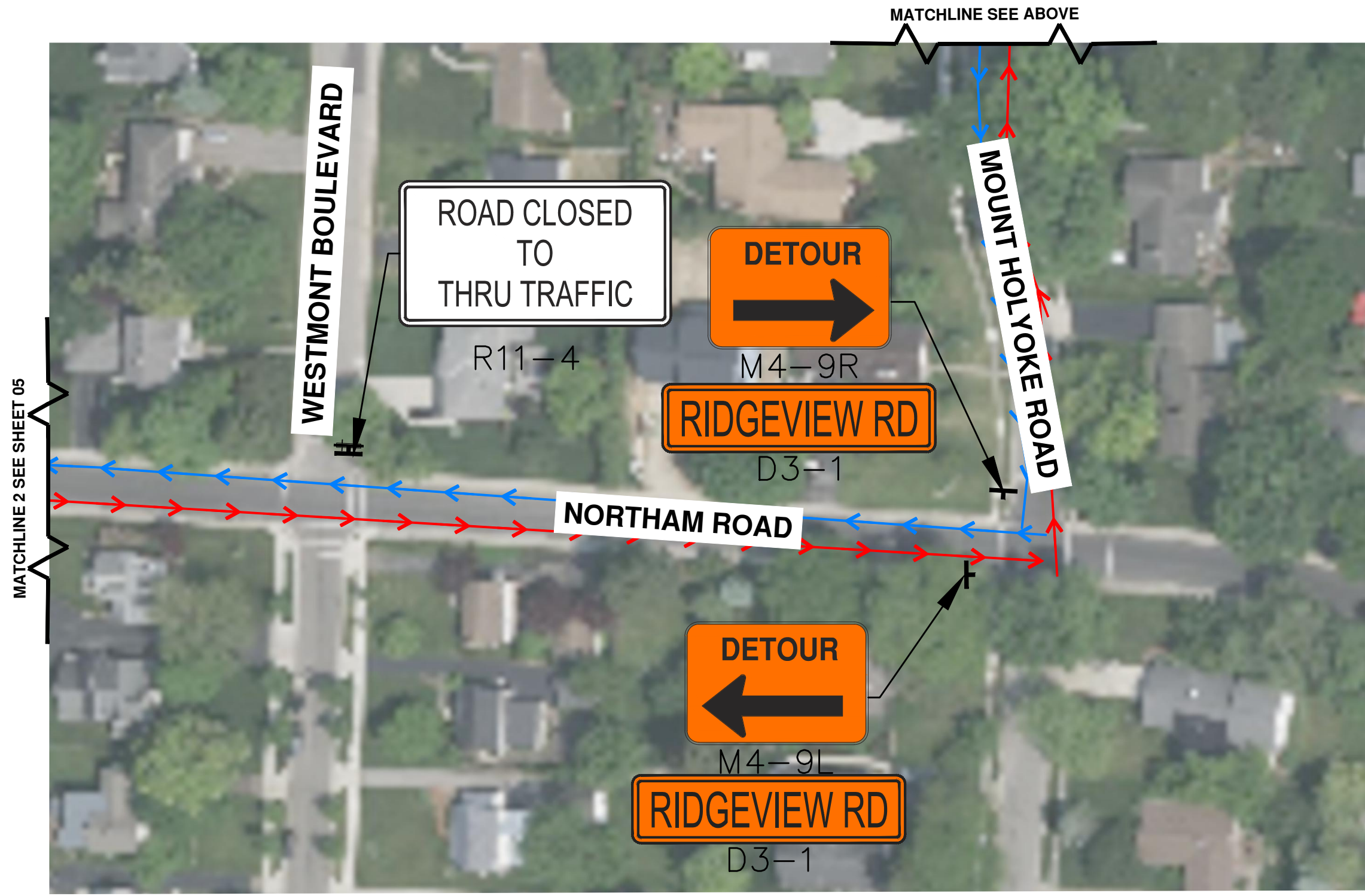
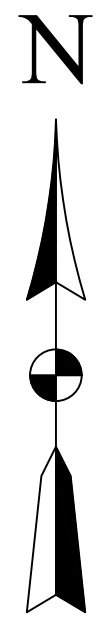
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Revisions

DATE	DESCRIPTION



NOTE
ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	3
END DETOUR	M4-8A	1
DETOUR - LEFT ARROW	M4-9L	2
DETOUR - RIGHT ARROW	M4-9R	2
DETOUR - LEFT ARROW	M4-10L	1
NO RIGHT TURN	R3-1	1
ROAD CLOSED	R11-2	1
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	2
ROAD CLOSED THRU TRAFFIC	R11-4	1
DETOUR AHEAD	W20-2	1
ROAD CLOSED AHEAD	W20-3	1

LEGEND

EXISTING TRAFFIC FLOW	TYPE A WARNING FLASHER
PROPOSED TRAFFIC FLOW	STAGING AREA
PAVEMENT MARKING	WORK ZONE
LIGHTED ARROW PANNEL	DETOUR ROUTE
TYPE III BARRICADE	JERSEY BARRIER
SIGN	FLAGGER
TRAFFIC BARREL	
TRAFFIC SHIFT	
PARKING METER	

Project Number 1037-23-11802	Date 05/20/2024
P.M. JP	Checked by CS
Drawn by BM	Crew/Book BOOK

Client
CAMPOS, EPC

Project
NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address
RIDGEVIEW ROAD
UPPER ARLINGTON, OHIO 43221

County
FRANKLIN COUNTY UPPER ARLINGTON

Township
1N Range 19W Section SE

Professional Name _____ Date _____

Title
**UNIVERSITY MOT
ZONE 2A- RIDGEVIEW
ROAD TRAFFIC CONTROL
PLAN**

Drawing Scale

Sheet Number
06

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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Revisions	DATE	DESCRIPTION



Project Number	Date
1037-23-11802	05/20/2024
P.M.	Checked by
J.P.	CS
	Drawn by
	BM
	Crew/Book
	BOOK

Client: **CAMPOS, EPC**

Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address: **RIDGEVIEW ROAD UPPER ARLINGTON, OHIO 43221**

County: **FRANKLIN COUNTY** | Community: **UPPER ARLINGTON**

Township: **1N** | Range: **19W** | Section: **SE**

Professional Name: _____ Date: _____

Title: **UNIVERSITY MOT**

ZONE 2B- RIDGEVIEW ROAD TRAFFIC CONTROL PLAN

Drawing Scale: 1" = 60'

Sheet Number: **07**



MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	2
END DETOUR	M4-8A	2
DETOUR - LEFT ARROW	M4-9L	1
DETOUR - RIGHT ARROW	M4-9R	1
DETOUR - LEFT ARROW	M4-10L	1
DETOUR - RIGHT ARROW	M4-10R	1
NO RIGHT TURN	R3-1	1
ROAD CLOSED	R11-2	2
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	2
TWO-WAY TRAFFIC	W6-3	2
DETOUR AHEAD	W20-2	2
ROAD CLOSED AHEAD	W20-3	2

NOTE
ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

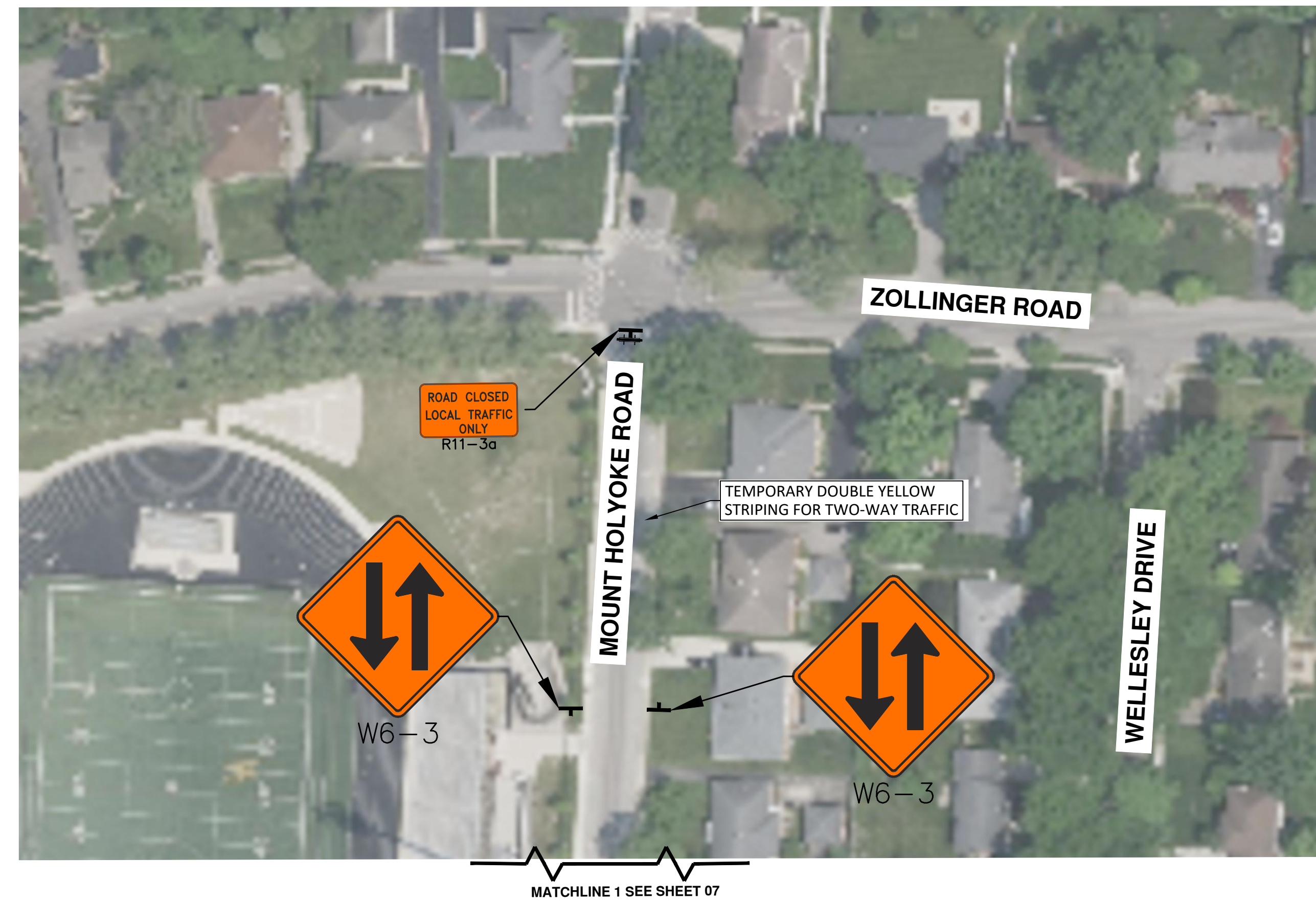
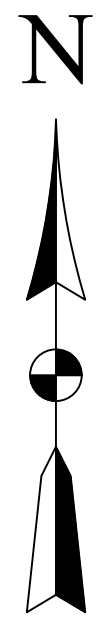
LEGEND

EXISTING TRAFFIC FLOW	TYPE A WARNING FLASHER
PROPOSED TRAFFIC FLOW	STAGING AREA
PAVEMENT MARKING	WORK ZONE
LIGHTED ARROW PANNEL	DETOUR ROUTE
TYPE III BARRICADE	JERSEY BARRIER
SIGN	FLAGGER
TRAFFIC BARREL	
TRAFFIC SHIFT	
PARKING METER	



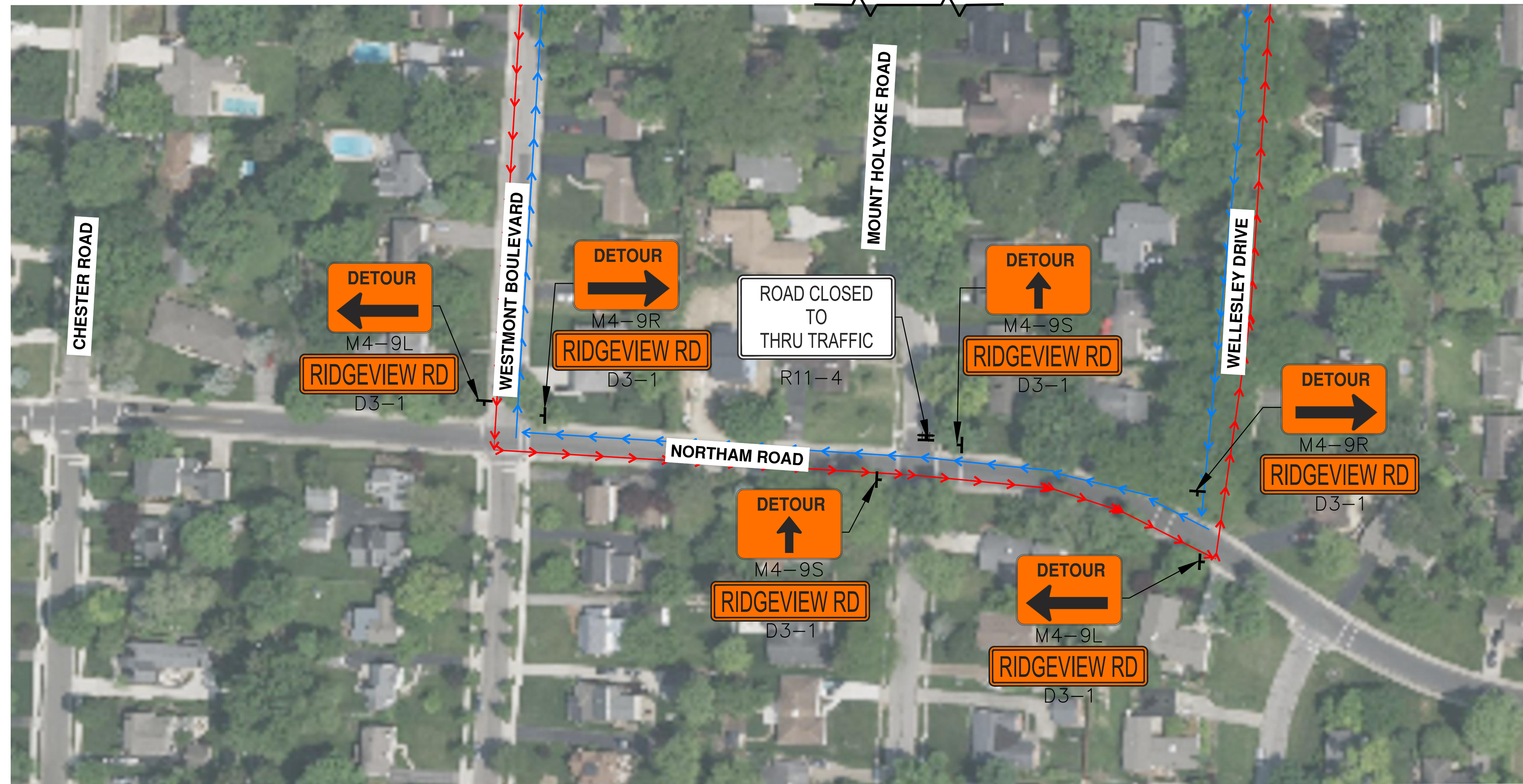
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MATCHLINE 1 SEE SHEET 07

MATCHLINE 2 SEE SHEET 07



NOTE
ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	6
DETOUR - LEFT ARROW	M4-9L	2
DETOUR - RIGHT ARROW	M4-9R	2
DETOUR - STRAIGHT ARROW	M4-9S	2
ROAD CLOSED TO THRU TRAFFIC	R11-4	1
ROAD CLOSED TO LOCAL TRAFFIC ONLY	R11-3A	1
TWO-WAY TRAFFIC	W6-3	2

LEGEND	
	EXISTING TRAFFIC FLOW
	PROPOSED TRAFFIC FLOW
	PAVEMENT MARKING
	LIGHTED ARROW PANEL
	TYPE III BARRICADE
	TRAFFIC BARREL
	TRAFFIC SHIFT
	PARKING METER
	TYPE A WARNING FLASHER
	STAGING AREA
	WORK ZONE
	DETOUR ROUTE
	JERSEY BARRIER
	FLAGGER

Revisions

DATE	DESCRIPTION



Project Number: 1037-23-11802 Date: 05/20/2024
P.M.: JP Checked by: CS Drawn by: BM Crew/Book: BOOK

Client: CAMPOS, EPC

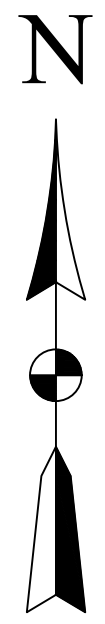
Project: NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address: RIDGEVIEW ROAD UPPER ARLINGTON, OHIO 43221
County: FRANKLIN COUNTY Community: UPPER ARLINGTON
Township: 1N Range: 19W Section: SE

Professional Name: _____ Date: _____
Title: UNIVERSITY MOT
ZONE 2B- RIDGEVIEW ROAD TRAFFIC CONTROL PLAN

Drawing Scale: 1" = 60'
Sheet Number: 08

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Revisions	DATE	DESCRIPTION



Project Number	Date
1037-23-11802	05/20/2024
P.M.	Checked by
JP	CS
Drawn by	Crew/Book
	BM
	BOOK

Client
CAMPOS, EPC

Project
NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address
VARIES
UPPER ARLINGTON, OHIO 43221

County
FRANKLIN COUNTY | UPPER ARLINGTON

Township | Range | Section
1N | 19W | SE

Professional Name	Date

Title
**UNIVERSITY MOT
ZONE 2C- RIDGEVIEW
ROAD TRAFFIC CONTROL
PLAN**

Drawing Scale	Sheet Number
1" = 60'	09

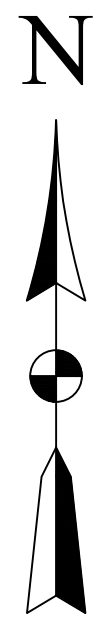
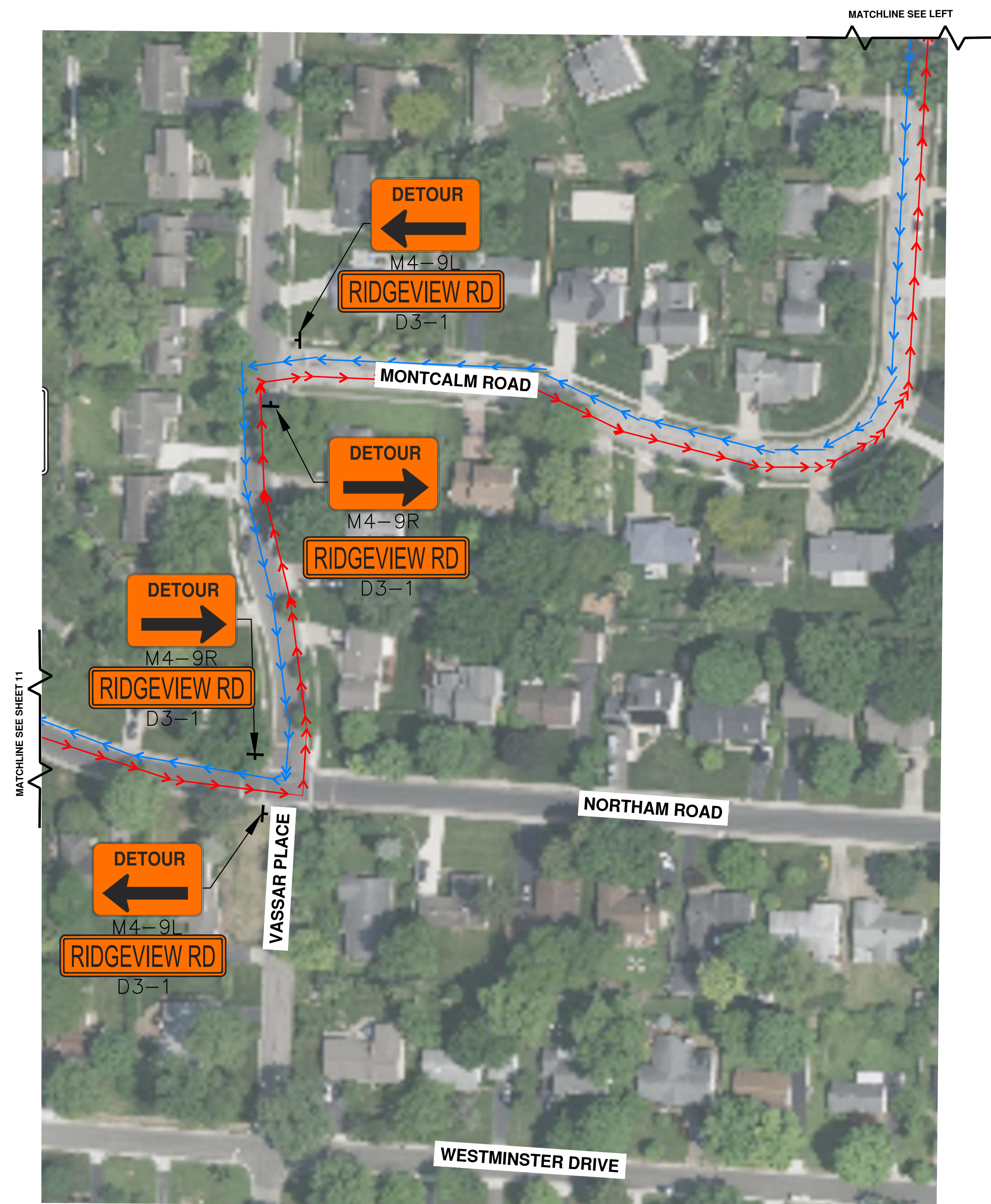
MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	1
END DETOUR	M4-8A	1
DETOUR - LEFT ARROW	M4-9L	1
DETOUR - RIGHT ARROW	M4-10R	1
NO RIGHT TURN	R3-1	1
NO LEFT TURN	R3-2	1
ROAD CLOSED	R11-2	3
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	2
ROAD CLOSED THRU TRAFFIC	R11-4	1
DETOUR AHEAD	W20-2	1
ROAD CLOSED AHEAD	W20-3	1

NOTE
ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

LEGEND

EXISTING TRAFFIC FLOW	TYPE A WARNING FLASHER
PROPOSED TRAFFIC FLOW	STAGING AREA
PAVEMENT MARKING	WORK ZONE
LIGHTED ARROW PANNEL	DETOUR ROUTE
TYPE III BARRICADE	JERSEY BARRIER
SIGN	FLAGGER
TRAFFIC BARREL	
TRAFFIC SHIFT	
PARKING METER	

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Revisions	DATE	DESCRIPTION



Project Number	Date
1037-23-11802	05/20/2024
P.M.	Checked by
JP	CS
	Drawn by
	EM
	Crew/Book
	BOOK

Client: **CAMPOS, EPC**

Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address: VARIES
UPPER ARLINGTON, OHIO 43221

County: FRANKLIN COUNTY
Community: UPPER ARLINGTON

Township: 1N Range: 19W Section: SE

Professional Name: _____ Date: _____

Title: **UNIVERSITY MOT**
ZONE 2C- RIDGEVIEW ROAD TRAFFIC CONTROL PLAN

Drawing Scale: Sheet Number: **10**

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	3
END DETOUR	M4-8A	1
DETOUR - LEFT ARROW	M4-9L	2
DETOUR - RIGHT ARROW	M4-9R	3
DETOUR - LEFT ARROW	M4-10L	1
NO LEFT TURN	R3-2	1
ROAD CLOSED	R11-2	1
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	1
DETOUR AHEAD	W20-2	1
ROAD CLOSED AHEAD	W20-3	1

NOTE
ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

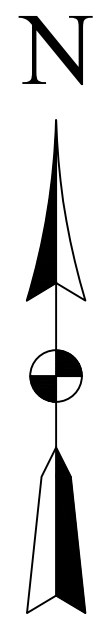
LEGEND

EXISTING TRAFFIC FLOW	TYPE A WARNING FLASHER
PROPOSED TRAFFIC FLOW	STAGING AREA
PAVEMENT MARKING	WORK ZONE
LIGHTED ARROW PANNEL	DETOUR ROUTE
TYPE III BARRICADE	JERSEY BARRIER
SIGN	FLAGGER
TRAFFIC BARREL	
TRAFFIC SHIFT	
PARKING METER	



THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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Revisions

DATE	DESCRIPTION



Project Number: 1037-23-11802 Date: 05/20/2024
 P.M.: JP Checked by: CS Drawn by: BM Crew/Book: BOB

Client: CAMPOS, EPC

Project: NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address: VARIES UPPER ARLINGTON, OHIO 43221
 County: FRANKLIN COUNTY Community: UPPER ARLINGTON
 Township: 1N Range: 19W Section: SE

Professional Name: _____ Date: _____

Title: UNIVERSITY MOT
 ZONE 2C- RIDGEVIEW ROAD TRAFFIC CONTROL PLAN

Drawing Scale: 1" = 60' Sheet Number: 11

NOTE
 ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	3
DETOUR - LEFT ARROW	M4-9L	1
DETOUR - RIGHT ARROW	M4-9R	1
DETOUR - STRIGHT ARROW	M4-9S	1
ROAD CLOSED THRU TRAFFIC	R11-4	1

- LEGEND**
- EXISTING TRAFFIC FLOW
 - PROPOSED TRAFFIC FLOW
 - ▨ STAGING AREA
 - ▨ WORK ZONE
 - DETOUR ROUTE
 - JERSEY BARRIER
 - FLAGGER
 - ☀ TYPE A WARNING FLASHER
 - ☀ LIGHTED ARROW PANNEL
 - ☀ TYPE III BARRICADE
 - ☀ SIGN
 - ☀ TRAFFIC BARREL
 - ☀ TRAFFIC SHIFT
 - ☀ PARKING METER

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DATE	DESCRIPTION

DATE	DESCRIPTION



Project Number	1037-23-11802	Date	05/20/2024
P.M.	J.P.	Checked by	CS
Drawn by	BM	Crew/Book	BOOK

Client: **CAMPOS, EPC**

Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address: **VARIES UPPER ARLINGTON, OHIO 43221**

County: **FRANKLIN COUNTY** Community: **UPPER ARLINGTON**

Township	1N	Range	19W	Section	SE
Professional Name		Date			

Title: **UNIVERSITY MOT ZONE 2D- RIDGEVIEW ROAD TRAFFIC CONTROL PLAN**

Drawing Scale	1" = 60'	Sheet Number	12
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MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	2
END DETOUR	M4-8A	2
DETOUR - LEFT ARROW	M4-9L	1
DETOUR - RIGHT ARROW	M4-9R	1
DETOUR - RIGHT ARROW	M4-10R	1
NO RIGHT TURN	R3-1	1
NO LEFT TURN	R3-2	1
ROAD CLOSED	R11-2	1
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	3
DETOUR AHEAD	W20-2	2
ROAD CLOSED AHEAD	W20-3	2

NOTE
ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

LEGEND	
	EXISTING TRAFFIC FLOW
	PROPOSED TRAFFIC FLOW
	PAVEMENT MARKING
	LIGHTED ARROW PANNEL
	TYPE III BARRICADE
	TRAFFIC BARREL
	TRAFFIC SHIFT
	PARKING METER
	TYPE A WARNING FLASHER
	STAGING AREA
	WORK ZONE
	DETOUR ROUTE
	JERSEY BARRIER
	FLAGGER

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P.M.	Checked by
JP	CS
Drawn by	Crew/Book
	BM

Client: **CAMPOS, EPC**

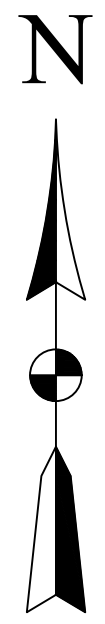
Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address		
VARIABLES		
UPPER ARLINGTON, OHIO 43221		
County	Community	
FRANKLIN COUNTY	UPPER ARLINGTON	
Township	Range	Section
1N	19W	SE

Professional Name	Date

Title: **UNIVERSITY MOT ZONE 2D- RIDGEVIEW ROAD TRAFFIC CONTROL PLAN**

Drawing Scale	Sheet Number
1" = 60'	13

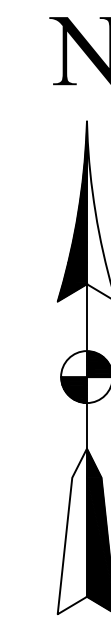
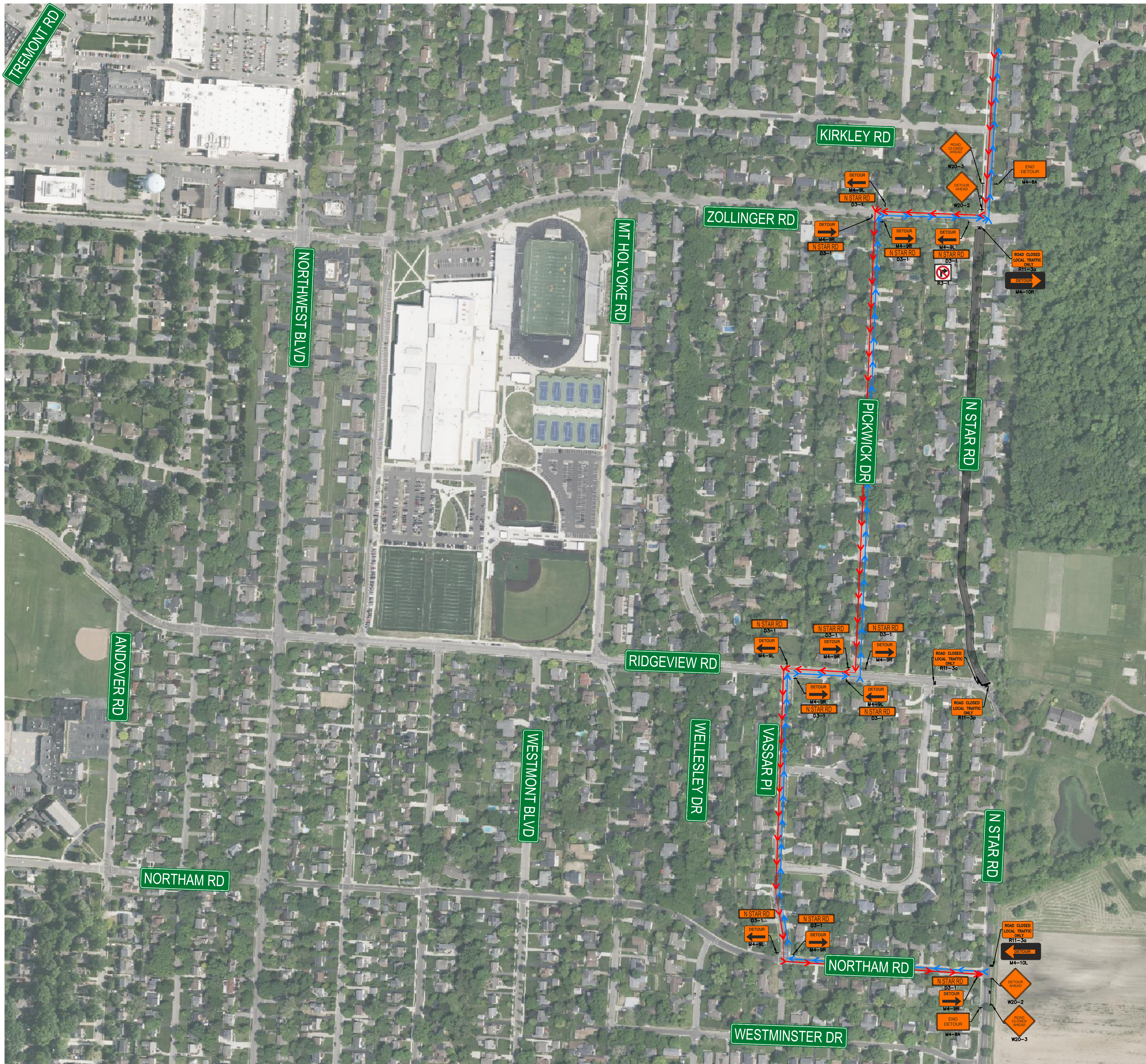


NOTE
ALL WORK ON RIDGEVIEW ROAD TO BE COMPLETED OUTSIDE OF THE SCHOOL YEAR

LEGEND

EXISTING TRAFFIC FLOW	TYPE A WARNING FLASHER
PROPOSED TRAFFIC FLOW	STAGING AREA
PAVEMENT MARKING	WORK ZONE
LIGHTED ARROW PANNEL	DETOUR ROUTE
TYPE III BARRICADE	JERSEY BARRIER
SIGN	FLAGGER
TRAFFIC BARREL	
TRAFFIC SHIFT	
PARKING METER	

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	4
DETOUR - LEFT ARROW	M4-9L	2
DETOUR - RIGHT ARROW	M4-9R	2
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	3



LEGEND

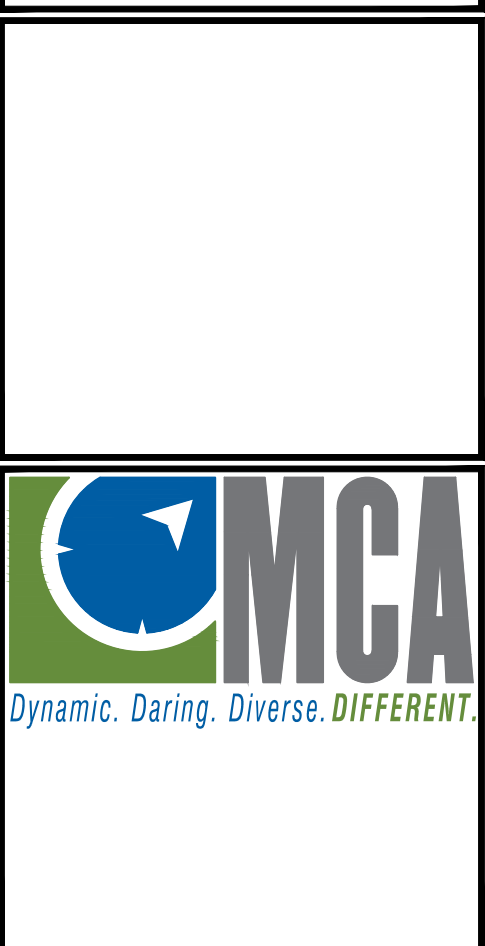
- EXISTING TRAFFIC FLOW
- PROPOSED TRAFFIC FLOW
- ▨ PAVEMENT MARKING
- ▨ LIGHTED ARROW PANNEL
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- ▨ SIGN
- ▨ TRAFFIC BARREL
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- ⚡ TYPE A WARNING FLASHER
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 P.M. JP Checked by: CS Drawn by: BM Crew/Book: BOCK

Client: **CAMPOS, EPC**

Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address: VARIES
 UPPER ARLINGTON, OHIO 43221
 County: FRANKLIN COUNTY
 Township: 1N Range: 19W Section: SE

Professional Name: _____ Date: _____

Title: **UNIVERSITY MOT ZONE 3 - N STAR ROAD TRAFFIC CONTROL OVERALL LOCAL PLAN**

Drawing Scale: Sheet Number: **14**
 NOT TO SCALE



MATCHLINE SEE SHEET 16

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	4
DETOUR - LEFT ARROW	M4-9L	2
DETOUR - RIGHT ARROW	M4-9R	2
END DETOUR	M4-8A	1
DETOUR - RIGHT	M4-10R	1
NO RIGHT TURN	R3-1	1
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	1
DETOUR AHEAD	W20-2	1
ROAD CLOSED AHEAD	W20-3	1

LEGEND

- EXISTING TRAFFIC FLOW
- ☀ TYPE A WARNING FLASHER
- PROPOSED TRAFFIC FLOW
- ▨ STAGING AREA
- ▨ PAVEMENT MARKING
- ▨ WORK ZONE
- LIGHTED ARROW PANNEL
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- TYPE III BARRICADE
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Project Number	1037-23-11802	Date	05/20/2024
P.M.	JP	Checked by	CS
Drawn by	EM	Crew/Book	BOOK

Client: **CAMPOS, EPC**

Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address: **VARIES UPPER ARLINGTON, OHIO 43221**

County: **FRANKLIN COUNTY** Community: **UPPER ARLINGTON**

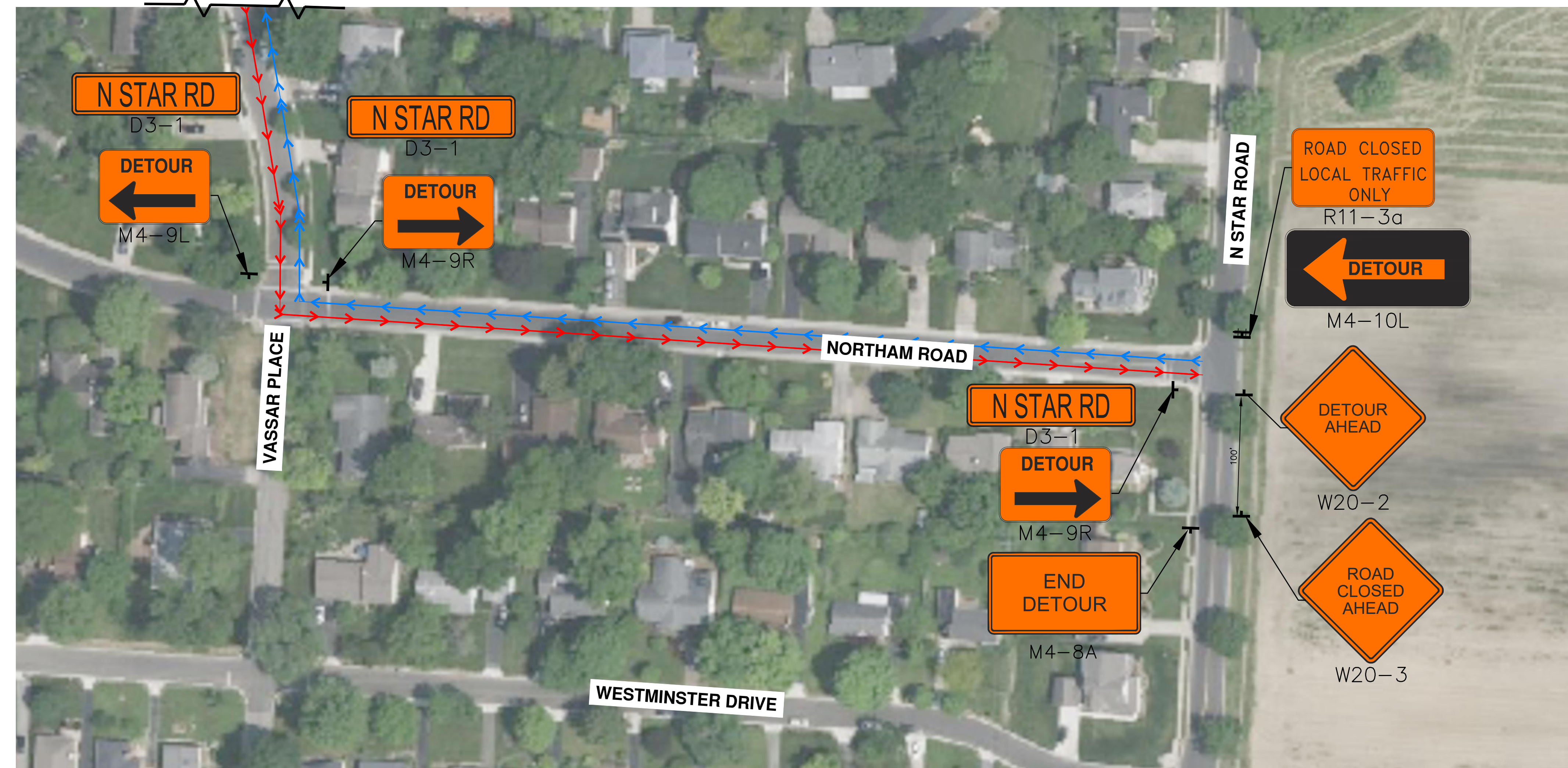
Township: **1N** Range: **19W** Section: **SE**

Professional Name: _____ Date: _____

Title: **UNIVERSITY MOT**

ZONE 3 - N STAR ROAD LOCAL TRAFFIC CONTROL PLAN

Drawing Scale: Sheet Number: **15**



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Revisions
 Δ DATE DESCRIPTION

Revisions	DATE	DESCRIPTION

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Project Number: 1037-23-11802 Date: 05/20/2024
 P.M. JP Checked by CS Drawn by BM Crew/Book

Client: CAMPOS, EPC

Project: NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address: VARIES UPPER ARLINGTON, OHIO 43221
 County: FRANKLIN COUNTY UPPER ARLINGTON
 Township: 1N Range: 19W Section: SE

Professional Name	Date

Title: UNIVERSITY MOT
 ZONE 3 - N STAR ROAD LOCAL TRAFFIC CONTROL PLAN

Drawing Scale: 1" = 60'
 Sheet Number: 16

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	8
DETOUR - LEFT ARROW	M4-9L	3
DETOUR - RIGHT ARROW	M4-9R	5
DETOUR - LEFT	M4-10L	1
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	3
DETOUR AHEAD	W20-2	1
ROAD CLOSED AHEAD	W20-3	1

- LEGEND**
- EXISTING TRAFFIC FLOW
 - PROPOSED TRAFFIC FLOW
 - ▨ PAVEMENT MARKING
 - ▨ LIGHTED ARROW PANNEL
 - ▨ TYPE III BARRICADE
 - SIGN
 - TRAFFIC BARREL
 - TRAFFIC SHIFT
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 - ☼ TYPE A WARNING FLASHER
 - ▨ STAGING AREA
 - ▨ WORK ZONE
 - DETOUR ROUTE
 - ▨ JERSEY BARRIER
 - ▨ FLAGGER

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MATCHLINE SEE SHEET 18

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	9
DETOUR - RIGHT ARROW	M4-9R	2
DETOUR - STRAIGHT AHEAD	M4-9S	4
END DETOUR	M4-8A	2
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	1
DETOUR AHEAD	W20-2	2
ROAD CLOSED AHEAD	W20-3	2

LEGEND	
	EXISTING TRAFFIC FLOW
	PROPOSED TRAFFIC FLOW
	PAVEMENT MARKING
	LIGHTED ARROW PANNEL
	TYPE III BARRICADE SIGN
	TRAFFIC BARREL
	TRAFFIC SHIFT
	PARKING METER
	TYPE A WARNING FLASHER
	STAGING AREA
	WORK ZONE
	DETOUR ROUTE
	JERSEY BARRIER
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1037-23-11802	05/20/2024



P.M.	Checked by	Drawn by	Crew/Book
JP	CS	EM	BOOK

Client: **CAMPOS, EPC**

Project: **NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY**

Site Address: **VARIABLES UPPER ARLINGTON, OHIO 43221**

County: **FRANKLIN COUNTY** Community: **UPPER ARLINGTON**

Township	Range	Section
1N	19W	SE

Professional Name: _____ Date: _____

Title: **UNIVERSITY MOT ZONE 3 - N STAR ROAD TRAFFIC CONTROL PLAN**

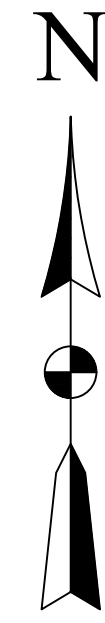
Drawing Scale	Sheet Number
1" = 200'	17

MATCHLINE SEE SHEET 17



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 Date: 05/20/2024
 P.M.: JP
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 Drawn by: BM
 Crew/Book: BOOK

Client: CAMPOS, EPC

Project: NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address: VARIES
 UPPER ARLINGTON, OHIO 43221
 County: FRANKLIN COUNTY
 Community: UPPER ARLINGTON
 Township: 1N Range: 19W Section: SE

Professional Name: _____ Date: _____

Title: UNIVERSITY MOT
 ZONE 3 - N STAR ROAD
 TRAFFIC CONTROL PLAN

Drawing Scale: 1" = 60'
 Sheet Number: 18

MATERIAL LIST		
SIGN:	CODE:	QTY:
STREET NAME	D3-1	11
DETOUR - LEFT ARROW	M4-9L	2
DETOUR - RIGHT ARROW	M4-9R	1
DETOUR - STRAIGHT AHEAD	M4-9S	4
END DETOUR	M4-8A	1
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	1
DETOUR AHEAD	W20-2	2
ROAD CLOSED AHEAD	W20-3	2

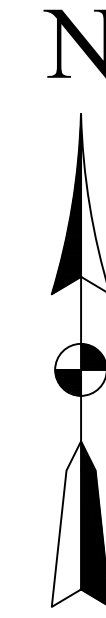
LEGEND	
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	PROPOSED TRAFFIC FLOW
	PAVEMENT MARKING
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	TYPE III BARRICADE
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	TRAFFIC SHIFT
	PARKING METER
	TYPE A WARNING FLASHER
	STAGING AREA
	WORK ZONE
	DETOUR ROUTE
	JERSEY BARRIER
	FLAGGER

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**ROAD CLOSED
LOCAL TRAFFIC ONLY**
R11-3a

****TO MAINTAIN UNINTERRUPTED ACCESS FOR THE RESIDENT DURING CONSTRUCTION A TEMPORARY ACCESS ROUTE WILL BE ESTABLISHED ALONG THE NORTH SIDE OF THE LAWN. DRIVABLE MATS WILL BE PLACED ACROSS THE LAWN TO FACILITATE SMOOTH PASSAGE. ADDITIONALLY, TEMPORARY RAMPS WILL BE INSTALLED ON THE WEST SIDE OF THE SIDEWALK TO ENSURE EASY ACCESS. CONTINUOUS DRIVEWAY ACCESS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION**



Project Number	Date
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P.M.	Checked by
JP	CS
	Drawn by
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	BOOK

Client
CAMPOS, EPC

Project
NCH PIPELINE REPLACEMENT- PHASE 2 UNIVERSITY

Site Address	VARIES	
	UPPER ARLINGTON, OHIO 43221	
County	FRANKLIN COUNTY	
Community	UPPER ARLINGTON	
Township	Range	Section
1N	19W	SE

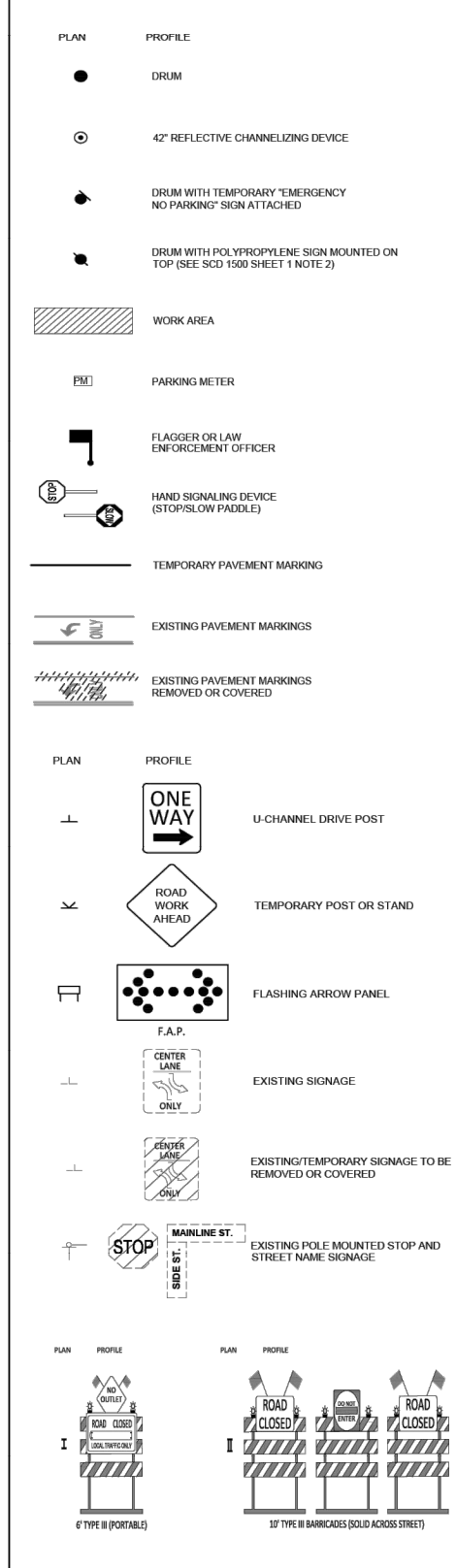
Professional Name _____ Date _____

Title
**UNIVERSITY MOT
ZONE 3 - ZOLLINGER ROAD
TRAFFIC CONTROL PLAN**

Drawing Scale	Sheet Number
1" = 60'	19

MATERIAL LIST		
SIGN:	CODE:	QTY:
ROAD CLOSED LOCAL TRAFFIC ONLY	R11-3a	1

LEGEND	
	EXISTING TRAFFIC FLOW
	PROPOSED TRAFFIC FLOW
	PAVEMENT MARKING
	LIGHTED ARROW PANNEL
	TYPE III BARRICADE
	SIGN
	TRAFFIC BARREL
	TRAFFIC SHIFT
	PARKING METER
	TYPE A WARNING FLASHER
	STAGING AREA
	WORK ZONE
	DETOUR ROUTE
	JERSEY BARRIER
	FLAGGER



NOTES

1. ADVANCE WARNING SIGNAGE

SIZE: MINIMUM SIGN SIZE IS 30" INCREASE SIZE TO 48" ON ROADWAYS WITH POSTED SPEED EQUAL TO OR GREATER THAN 45 MPH OR ON ARTERIAL ROADWAYS WITH 4 LANES OR MORE. ONE-WAY STREETS REQUIRE SIGNS POSTED ON BOTH SIDES OF ROADWAY.

SPACING: SPACING BETWEEN SIGNS IS 100' FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH AND 350' FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH PER TABLE 2. ADVANCE WARNING SIGNS: FIRST SIGN IN SERIES IS PLACED 100' OR 350' PRIOR TO THE FIRST DRUM OR DEVICE. MAINTAIN 200' CLEARANCE FROM EXISTING SIGNAGE WHENEVER POSSIBLE. INSTALL TYPE A LOW INTENSITY FLASHING LIGHTS ON SIGNS AS DIRECTED BY THE OMT/CD PART 6 SECTION 6F-43. CURRENT EDITION. WHEN TEMPORARY TRAFFIC CONTROL DEVICES ARE USED FOR NIGHTTIME ROADWAY AND PEDESTRIAN MAINTENANCE OF TRAFFIC CONTROL, SETUPS.

CONFLICTING SIGNS: REMOVE OR COVER EXISTING SIGNS LOCATED WITHIN 250' OF FIRST WARNING SIGN AND ALL CONFLICTING SIGNS WITHIN WORK ZONE. END ROAD WORK SIGNS, D-32, SHALL ONLY BE USED WHEN CONSTRUCTION EXCEEDS 180 DAYS, AS WHEN SHOWN IN A ROADWAY MAINTENANCE OF TRAFFIC PLAN, OR AS DIRECTED BY THE ENGINEER.

2. CHANNELIZING DEVICES

DRUMS: DRUMS SHALL HAVE TYPE C OR TYPE D 360 DEGREE STEADY BURN WARNING LIGHTS FOR USE AT NIGHT. DURING DAYTIME OPERATIONS 42" CHANNELIZING DEVICES MAY BE SUBSTITUTED FOR DRUMS WITH THE PERMISSION OF THE ENGINEER.

DEVICE SPACING: 40' ON TANGENTS; 20' TAPERED; 6' TO 8' ON RADIUS 10' MINIMUM LANE WIDTHS SHALL BE MAINTAINED; A MINIMUM OF 5 DRUMS SHALL BE USED TO CLOSE THE UPSTREAM SHOULDER.

DRUM MOUNTED SIGNS: CONTRACTOR MAY USE A POLYPROPYLENE FLUTED SHEET FOR SIGNING WHEN PLACING ON TOP OF DRUMS. SIGNS SHALL BE ATTACHED TO THE DRUMS USING APPROPRIATE HARDWARE. ONLY "KEEP RIGHT," "ONE WAY," AND TURN RESTRICTION SIGNS SHALL BE POSTED ON TOP OF DRUMS.

ALL SIGNS SHALL MAINTAIN RETROREFLECTIVITY. SIGN SUBSTRATE SHALL CONFORM TO PVA-8 SIGN SUBSTRATES FOR PLASTIC DRUMS AND WORK ZONE ACCEPTANCE LETTER W2-45 "CRASHWORTHY WORK ZONE DEVICES" AS OF OCTOBER 1, 2000.

3. TAPER LENGTHS

TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES SHALL BE PER TABLE 1. TAPER LENGTHS FOR TEMPORARY TRAFFIC CONTROL ZONE FOR CALCULATED TAPER LENGTHS.

EXIT TAPERS SHALL BE 100' PER LANE, MAXIMUM.

4. TEMPORARY MARKINGS

WHEN LANE CLOSURES EXCEED 14 CALENDAR DAYS, TEMPORARY MARKINGS (740.06) TAPE, MINIMUM 4" x LONG SEGMENTS SHALL BE INSTALLED FOR ALL CENTERLINES, CHANNELS, AND LANE LINES. CONFLICTING MARKINGS SHALL BE COVERED WITH NON-REFLECTIVE TAPE OR REMOVED. ITEM 642 PAINT SHALL BE USED IF AN AREA IS TO BE MILLED AND/OR RESURFICED OR PLACED ON THE INTERMEDIATE ASPHALT COURSE.

5. GENERAL NOTES AND MODIFICATIONS OF STANDARD CONSTRUCTION DRAWINGS

THE USE OF ANY MAINTENANCE OF TRAFFIC STANDARD DRAWING SHALL REQUIRE A MAINTENANCE OF TRAFFIC TABLE PROVIDED BY THE DIVISION OF DESIGN AND CONSTRUCTION. MODIFICATIONS TO THE TEMPORARY TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS MAY OCCUR WHEN FIELD CONDITIONS DICTATE THAT THE APPLICATION OF THE STANDARD DRAWING DOES NOT MEET ITS INTENDED PURPOSE. ONLY THE ENGINEER MAY DEVIATE FROM THESE DRAWINGS.

6. SCD 1500 REFERENCE

ALL NOTES, TABLES, FIGURES, AND LEGENDS INCLUDED AS PART OF SCD 1500 ARE TO BE APPLIED TO ALL OTHER MAINTENANCE OF TRAFFIC SCD (1501-1599).

TABLE 1: TAPER LENGTHS FOR TEMPORARY TRAFFIC CONTROL ZONES 1

D: TAPER RATE (SHOULDER) CLOSURE OMT/CD 0.3L + W²/60

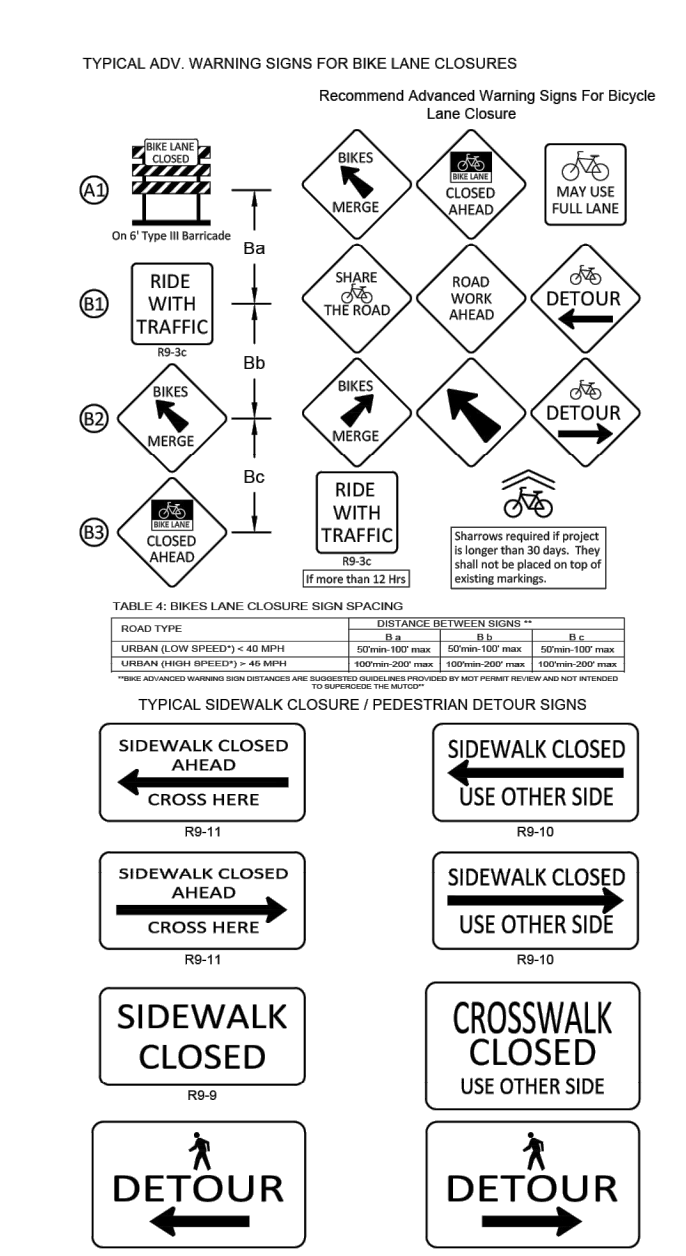
WIDTH OF SHOULDER	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH
6'	-	-	-	53'	89'	99'	107'	116'
7'	-	-	47'	82'	104'	118'	127'	136'
8'	-	-	54'	79'	119'	132'	145'	158'
9'	-	45'	61'	76'	134'	146'	163'	176'
10'	-	50'	67'	88'	149'	165'	182'	196'
11'	-	54'	74'	97'	163'	182'	200'	218'
12'	-	59'	81'	106'	178'	198'	218'	238'

E: TAPER RATE (MERGE) CLOSURE OMT/CD L = W²/60

WIDTH OF LANE CLOSED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH
10'	104'	150'	204'	287'	450'	500'	550'	600'
11'	115'	165'	225'	293'	495'	550'	605'	660'
12'	125'	180'	245'	320'	540'	600'	660'	720'
13'	135'	195'	265'	347'	585'	650'	715'	780'

F: TAPER RATE (SHIFT) CLOSURE OMT/CD 0.5L + W²/60

WIDTH OF LANE SHIFT	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH
10'	52'	75'	102'	133'	450'	500'	550'	600'
11'	57'	83'	112'	147'	495'	550'	605'	660'
12'	62'	90'	123'	160'	540'	600'	660'	720'
13'	68'	98'	133'	175'	585'	650'	715'	780'



MAINTENANCE OF TRAFFIC GENERAL NOTES

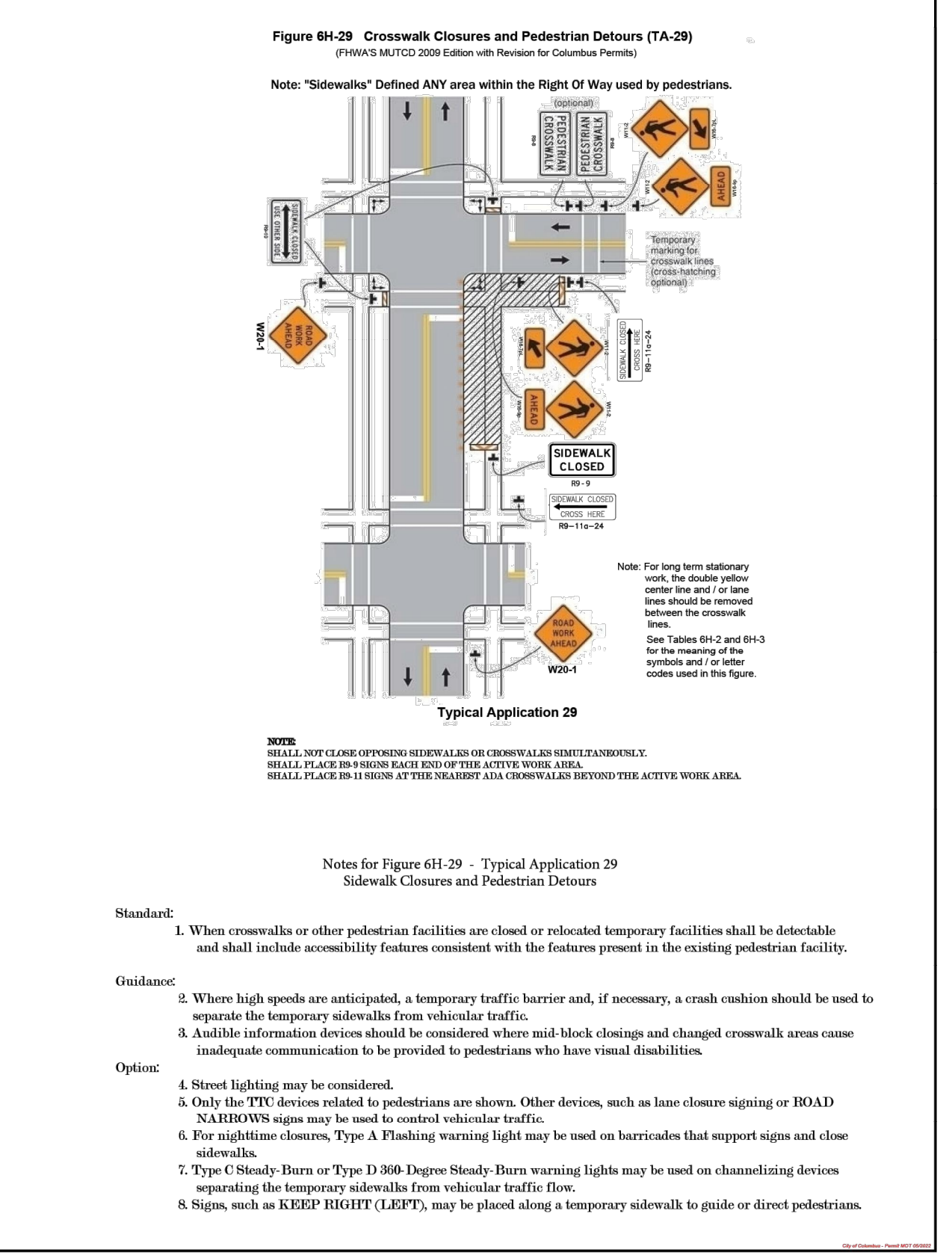
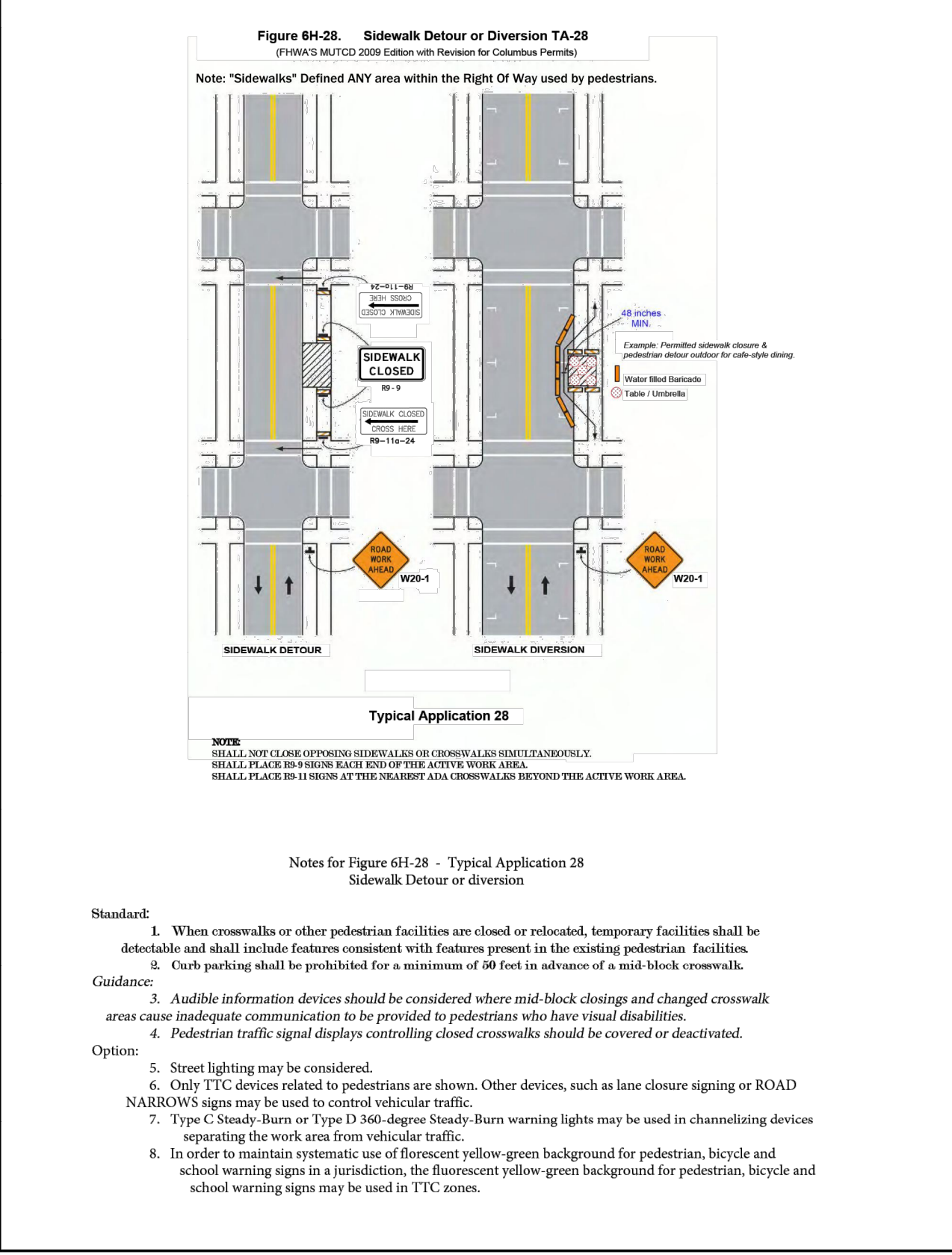
CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

MOT SHEET 1500

CITY ENGINEER

STD DWG
1500
2022

SHEETS 1, 2 & 3



1. PERMIT MOT / TTC - SUBMITTAL

a. STANDARD DRAWINGS - ONLY COLUMBUS 1500-1550 WILL BE ACCEPTED FOR USE MOT / TTC ON PERMITS.

b. SITE SPECIFIC

REQUIRED - WHEN WORK ZONE IMPACTS A SIGNALIZED INTERSECTION.

REQUIRED - WHEN WORK AREA IN THE CENTRAL BUSINESS DISTRICT.

REQUIRED - WHEN REQUESTED BY MOT PERMIT REVIEW.

REQUIRED - LAW ENFORCEMENT OFFICER (LEO) AT SIGNALIZED INTERSECTIONS.

2. MASS TRANSIT AND RIDE SHARE

a. COTA BUS STOPS

SHALL CONTACT PRIOR TO START - PAUL EVANS - COTA SERVICE PROGRAM MANAGER (614) 308-4373 evanspm1@cota.com.

THIRTY DAYS - ANY CLOSURE WHICH CREATES DELAY OR DETOUR ON ASSIGNED ROUTES REQUIRES A TEMPORARY RELOCATION.

24 HOURS - PRIOR TO START OF CONSTRUCTION WITHIN 300' OF COTA ASSETS IN THE RIGHT OF WAY.

IMMEDIATELY - IN EVENT OF UNPLANNED WORK AFFECTING COTA BUS STOPS.

b. COTA ASSETS

SHALL CONTACT PRIOR TO START - PAUL EVANS - COTA SERVICE PROGRAM MANAGER (614) 308-4373 evanspm1@cota.com.

SHALL KEEP OPEN ALL STOPS & STATIONS IN WORK ZONE IF RELOCATION IS NOT REQUESTED BY COTA PROGRAM SERVICES MANAGER.

c. COGO - RIDE SHARE BIKE CHARGING STATIONS

SHALL CONTACT PRIOR TO START - CHET RIDENOUR - COGO BIKE SHARE OPERATIONS MANAGER (614) 506-8100 cridenour@lyft.com.

THIRTY DAYS - IF CLOSURE IMPACTS COGO BIKE STATION, LIMITS PUBLIC ACCESS DURING CONSTRUCTION.

24 HOURS - PRIOR TO START OF CONSTRUCTION WITHIN 300' OF COGO ASSETS.

IMMEDIATELY - IN EVENT OF UNPLANNED WORK AFFECTING COGO/LIFT ASSETS

3. BIKES AND PEDESTRIANS

a. BIKE LANE CLOSURE

WHEN A BIKE LANE PAVEMENT MARKING EXIST AND MUST BE INCLUDED IN THE MOT / TTC PLAN.

REFERENCE - MOT SHEET 1500 ADVANCE WARNING SIGNS WHEN CLOSING THE BIKE LANE AND MERGING BIKES.

REFERENCE - MOT SHEET 1500 TABLE 4 ADVANCE WARNING SIGN SPACING

REQUIRED - ONE (1) SHARE THE ROAD SIGN MID-TAPER WHEN NO BIKE LANE BUT SHARROWS ONLY EXIST.

b. SIDEWALKS / CROSSWALKS

THE CONTRACTOR:

SHALL NOT CLOSE OPPOSING SIDEWALKS OR CROSSWALKS SIMULTANEOUSLY.

SHALL KEEP SIDEWALKS & CROSSWALKS BEYOND THE ACTIVE WORK AREA OPEN AT ALL TIMES.

SHALL PLACE R9-9 SIGNS EACH END OF THE ACTIVE WORK AREA.

SHALL PLACE R9-11 SIGNS AT THE NEAREST ADA CROSSWALKS BEYOND THE ACTIVE WORK AREA.

Note: "Sidewalks" defined ANY area within the right of way used by pedestrians.

4. PARKING

a. DRIVEWAYS

THE CONTRACTOR:

SHALL PROVIDE 72 HOURS ADVANCE NOTICE WHEN CLOSING DRIVEWAYS.

SHALL RESTORE ACCESS FOLLOWING END OF WORK THAT DAY AND MAINTAIN AREA IN COMPLIANCE WITH ADA REQUIREMENTS.

SHALL MONITOR OBSTRUCTED DRIVEWAYS AND RESPONSIBLE TO MAINTAIN ACCESS AS NEEDED.

b. ON STREET

THE CONTRACTOR:

SHALL CONTACT PARKING ENFORCEMENT (614) 645-4072 48 HOURS IN ADVANCE WHEN CLOSING METERED/APP PAY PARKING.

SHALL LIMIT PARKING RESTRICTIONS TO "AS NEEDED" TO SAFELY COMPLETE THE WORK.

SHALL PROVIDE 72 HOURS ADVANCE NOTICE TO RESIDENTS WHEN TEMPORARILY CLOSING ON STREET PARKING AREAS.

SHALL RESTORE ACCESS FOLLOWING END OF EACH WORK DAY.

SHALL MAINTAIN LANE WIDTH SUFFICIENT FOR VEHICLES TO SAFELY PASS THROUGH WORK AREA.

SHALL MONITOR AND ASSIST PERMITTED HANDICAP PARKING SPACES AS DEFINED BY THE ADA.

5. ADVANCE WARNING SIGNS

a. SIGNS, SIZES, SPACING, DISTANCE

THE CONTRACTOR:

SHALL PLACE SIGNS ON INTERSECTING STREETS WHEN NO ADVANCED WARNING SIGN IS SEEN PRIOR TO ENTERING THE WORK AREA.

b. SIZES < 40 MPH "LOW SPEED" AND 36" x 36" SHOULD BE USED.

c. SIZES > 45 MPH "HIGH SPEED" AND 48" x 48" SHOULD BE USED.

d. SPACING PER MOT SHEET 1500 TABLE 2.

e. DISTANCE VARIES WHEN TURN ONLY LANES EXIST. THE SPACE FROM STOP BAR TO TURN LANE PAVEMENT MARKINGS ORIGIN, CONTINUE PER TABLE 2.

6. TMC - SIGNAL TIMING, CAMERA MONITORING AND RECORDING

a. CITY OF COLUMBUS TMC - TRAFFIC MANAGEMENT CENTER (614) 645-7249

b. SIGNALS - TIMING CHANGES MAY BE REQUESTED BY SPECIAL DUTY LAW ENFORCEMENT OFFICER (LEO).

c. CAMERAS - MONITORING AND RECORDING MUST BE ARRANGED 72 HOURS IN ADVANCE.

7. SHOULDER CLOSURES

THE CONTRACTOR:

SHALL NOT OCCUPY, BLOCK OR IMPEDE A LANE OF TRAVEL (LOT) WHILE USING A SHOULDER CLOSURE PER 6H-3 MODIFIED

SHALL PERFORM WORK BEYOND THE EDGE OF PAVEMENT (EOP), SOLID WHITE LINE (SWL), LANE OF TRAVEL (LOT), OR BACK OF CURB (BOC).

SHALL MAINTAIN A BUFFER, SAFE DISTANCE FROM THE SWL FOR TRAFFIC CONTROL DEVICE PLACEMENT ON EOP, SWL OR LOT.

SHALL PLACE R9-9 & R9-11 SIGNS FOR SIDEWALK CLOSURE & PEDESTRIAN DETOURS PER TYPICAL 6H29 FOR PEDESTRIAN SAFETY.

SHALL SECURE PERMISSION IN ADVANCE TO PARK, STORE, STAGE & SITE ACCESS.

NOTES:

a. DEFINITIONS: Edge of Pavement (EOP), Back of Curb (BOC), Face of Curb (FOC), Solid White Line (SWL), Lane of Travel (LOT)

b. Work Zone - Equipment, Staging & Storage is prohibited within 2' of the EOP, SWL, and LOT.

Traffic Conditions - Must remain normal when deploying shoulder closures.

Separation - A 2' Buffer between the work zone and lane of travel must be maintained.

Compliance - If not in compliance with the above MOT Approval is REVOKED. Cease and Contact the MOT Supervisor immediately (614) 645-0355.

8. EASEMENTS

a. EASEMENT ACCESS WITHIN PUBLIC RIGHT OF WAY

THE CONTRACTOR:

SHALL DEPLOY TRAFFIC CONTROL WHEN STAGING, STORAGE AND ACCESSING EASEMENTS.

SHALL DEPLOY PEDESTRIAN SAFETY MEASURES.

b. NOTES - Typical 1550.1 Traffic Control Plan when Accessing Easements Follow the Guidance Above

NiSource

Ohio Utilities Protection Service

Call 811

before you dig

CAMPOS EPC

401 N Front St, Suite 380, Columbus, OH 43215
(380) 799-8503

PROPOSED

REVISIONS

REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
A	05/31/24	ISSUED FOR PERMIT	

DESIGNED BY	JW	05/31/23	855-266-7671
DRAWN BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-266-7671
AS-BUILT BY			TBD
	NAME	DATE	PHONE #

SITE NAME:

INST# 23-0136341-00
ABAN# 23-0136342-00
PROJECT ID# 21-78791

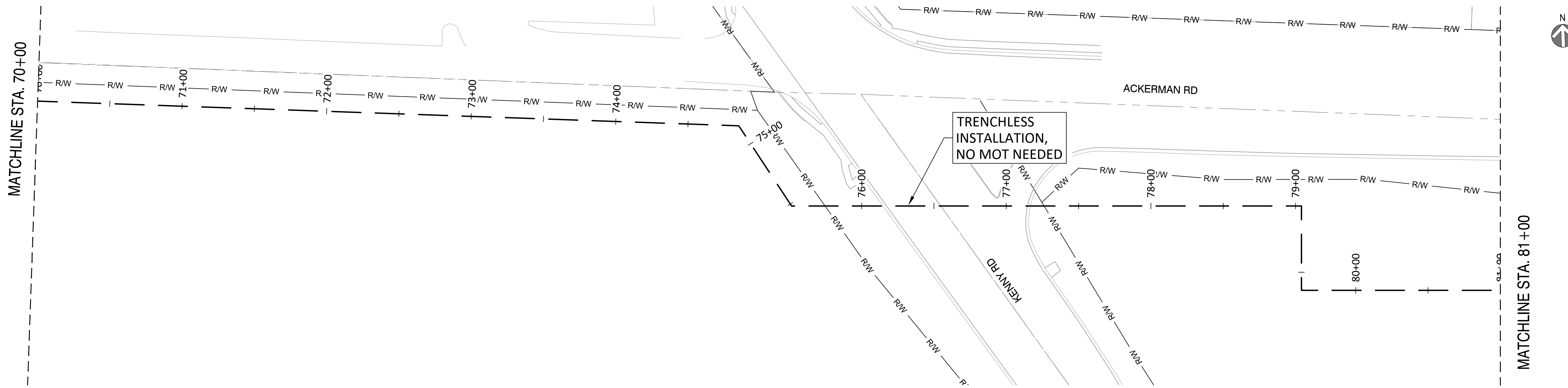
NCHP PIPELINE REPLACEMENT, UNIVERSITY
UPPER ARLINGTON / COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

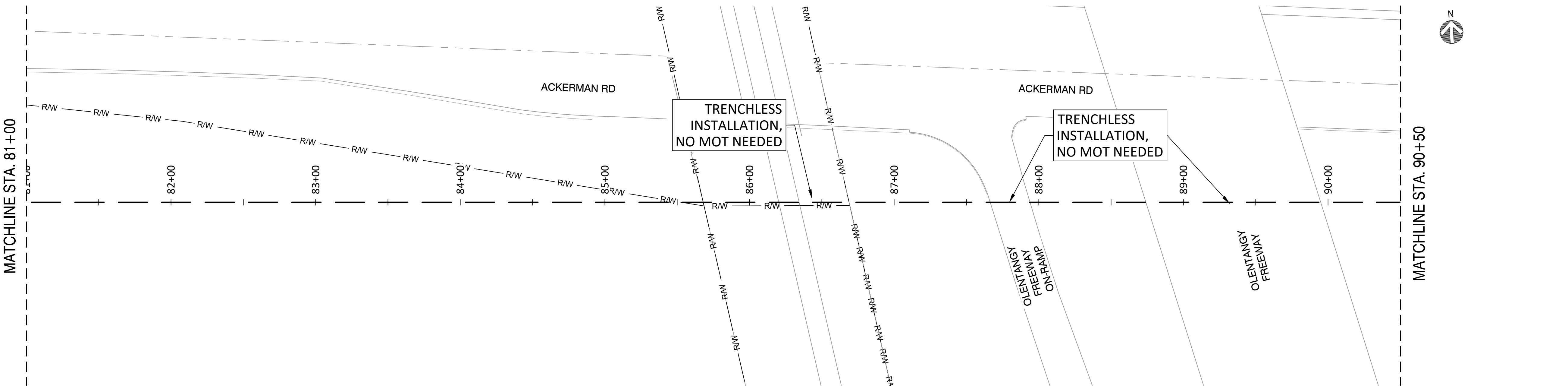
MOT COMBO

DRAWING NO:

MOT-1001A



PROPOSED PLAN - STA. 70+00 TO STA. 81+00
SCALE: 1"=40'



PROPOSED PLAN - STA. 81+00 TO STA. 90+50
SCALE: 1"=40'



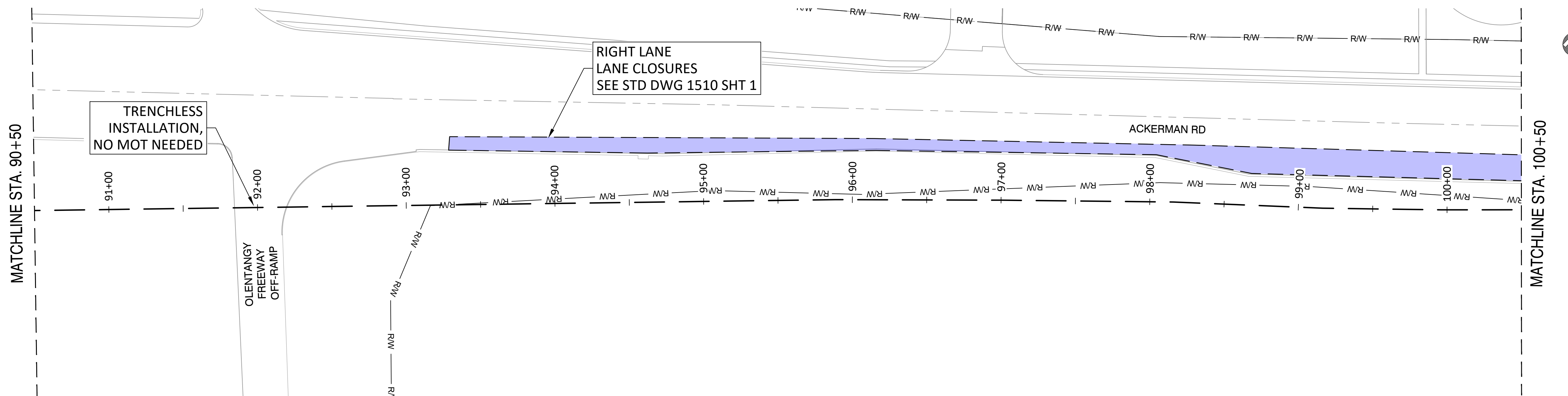
PROPOSED

REVISIONS			
REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
A	05/31/24	ISSUED FOR PERMIT	
DESIGNED BY	JW	05/31/23	855-266-7671
DRAWN BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-266-7671
AS-BUILT BY			TBD
	NAME	DATE	PHONE #

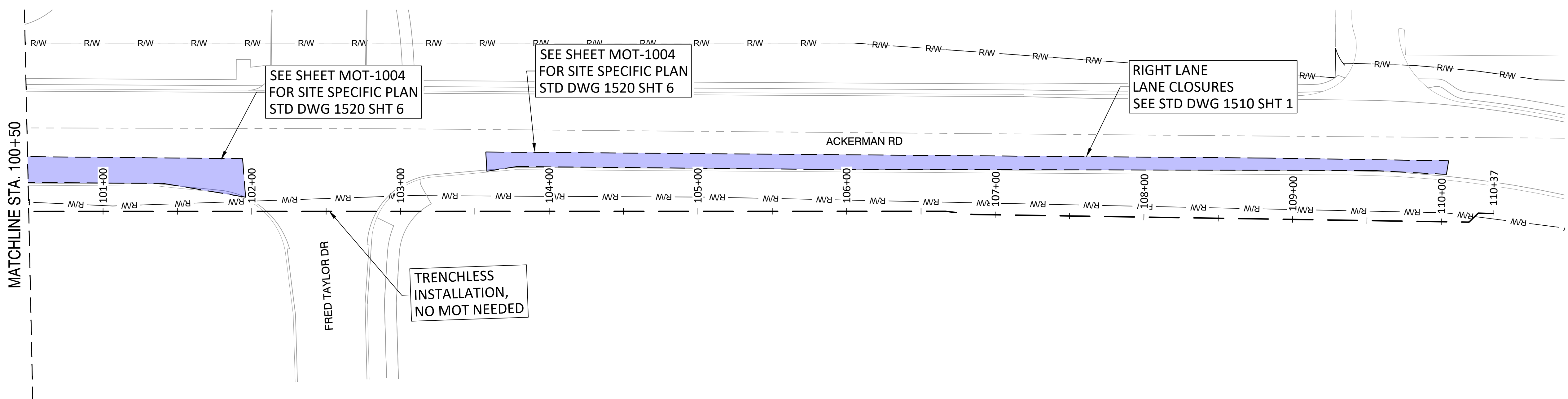
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INST# 23-0136341-00
ABAN# 23-0136342-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, UNIVERSITY
 UPPER ARLINGTON / COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
 MAINTENANCE OF TRAFFIC
 STA 72+00 TO STA 92+00

DRAWING NO:
MOT-1002



PROPOSED PLAN - STA. 90+50 TO STA. 100+50
SCALE: 1"=40'



PROPOSED PLAN - STA. 100+50 TO STA. 110+37
SCALE: 1"=40'

NOTE:
1. APPLICABLE TRAFFIC CONTROL EQUIPMENT SHOWN ON CITY OF COLUMBUS STANDARD DRAWINGS TO BE SET UP WITHIN THE PURPLE HATCHED REGIONS

NiSource

Ohio Utilities Protection Service
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before you dig

CAMPOS
EPC
401 N Front St, Suite 380, Columbus, OH 43215
(303) 623-3345

PROPOSED

REVISIONS			
A	05/31/24	ISSUED FOR PERMIT	
REV. #	DATE	DESCRIPTION	
DESIGNED BY	JW	05/31/23	855-266-7671
DRAWN BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-266-7671
AS-BUILT BY			TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
PROJECT ID# 21-78791
NCHP PIPELINE REPLACEMENT, UNIVERSITY
UPPER ARLINGTON / COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
MAINTENANCE OF TRAFFIC
STA 92+00 TO STA 111+15

DRAWING NO:
MOT-1003

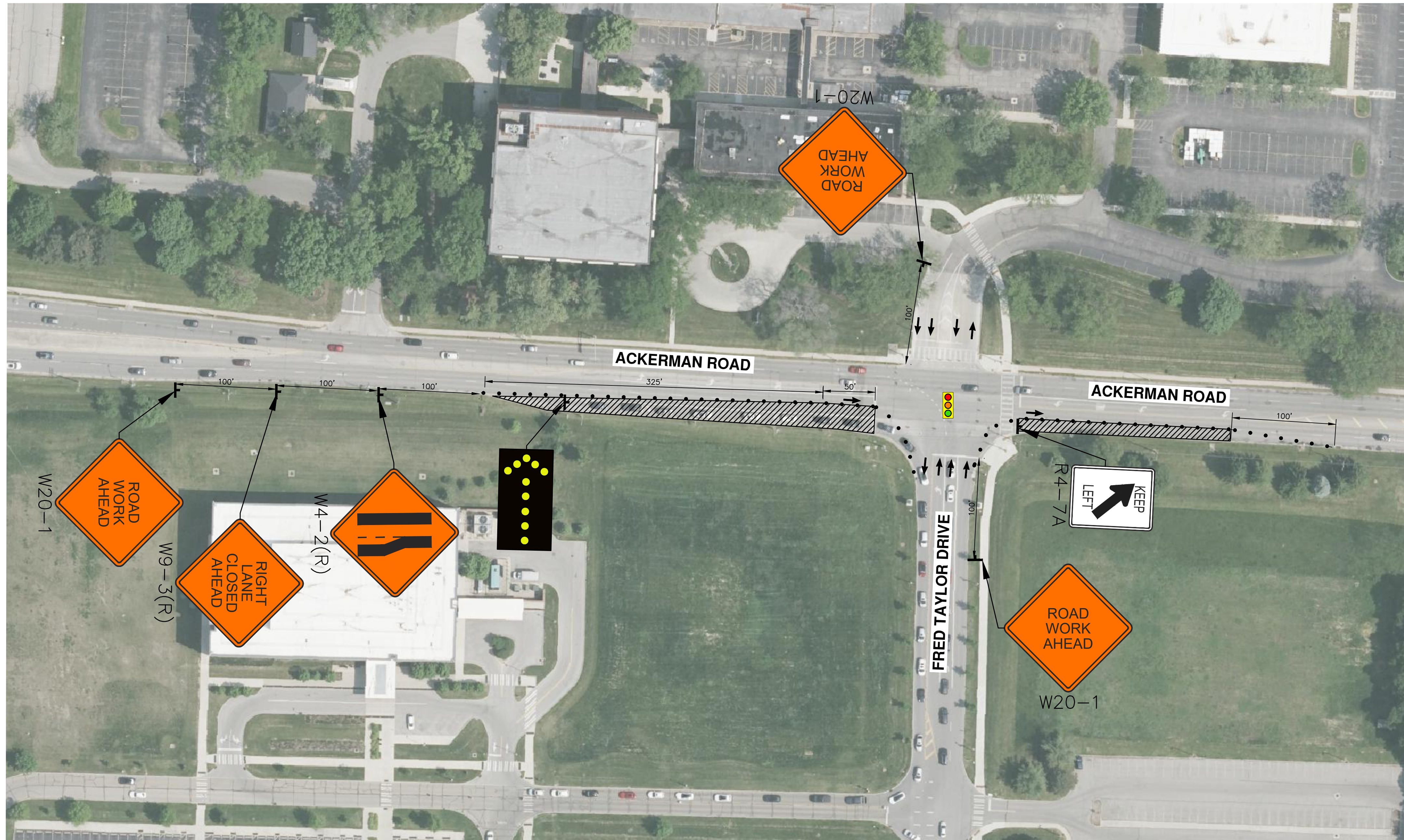
PROPOSED

REVISIONS			
REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
A	05/31/24	ISSUED FOR PERMIT	
INTERNAL ENG.	JW	05/31/23	855-266-7671
DESIGNED BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-266-7671
AS-BUILT BY			TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, UNIVERSITY
 UPPER ARLINGTON / COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
 ACKERMAN ROAD
 MAINTENANCE OF TRAFFIC

DRAWING NO.:
MOT-1004



- LEGEND**
- EXISTING TRAFFIC FLOW
 - PROPOSED TRAFFIC FLOW
 - PAVEMENT MARKING
 - LIGHTED ARROW PANNEL
 - TYPE III BARRICADE
 - SIGN
 - TRAFFIC BARREL
 - TRAFFIC SHIFT
 - PARKING METER
 - TYPE A WARNING FLASHER
 - STAGING AREA
 - WORK ZONE
 - DETOUR ROUTE
 - JERSEY BARRIER
 - FLAGGER