

**GENERAL NOTES**

1. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE 48 HOURS PRIOR TO STARTING THE JOB. PHONE: 800-362-2764.
2. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS AND A CITY OF NORTH OLUMSTED STREET OPENING PERMIT BEFORE BEGINNING WORK WITHIN THE RIGHT-OF-WAY.
3. ALL CONCRETE, REINFORCING STEEL, ASPHALT, ETC. REMOVED FROM THE STRUCTURE AND NOT REUSED SHALL, UNLESS OTHERWISE SPECIFIED, BECOME THE PROPERTY OF THE CONTRACTOR AND REMAIN ON THE PREMISES, RIGHT-OF-WAY OR EGRESS UNLESS SPECIFIED BY THE ENGINEER.
4. THE LOCATION OF GUARDRAIL / FENCE RUNS, AS SHOWN IN THESE PLANS, IS SUBJECT TO ADJUSTMENT BY THE ENGINEER TO ASSURE THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.
5. ANY DEFECTS IN THE CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT PRIOR TO ACCEPTANCE BY THE CITY WITHOUT ANY EXTRA COST. ITEMS TO REMAIN SHALL BE REPLACED BY THE CONTRACTOR, IF DAMAGED, AT NO ADDITIONAL COST TO THE CITY.
6. CONTRACTOR TO TAKE ALL PRECAUTIONS NECESSARY TO PREVENT INCIDENTAL DISCHARGES ASSOCIATED WITH THE EXCAVATION AND HAULING OF MATERIAL FROM THE STREAM CHANNEL. THIS PERTAINS TO ANY EXCAVATION OPERATIONS SUCH AS FOUNDATIONS, PIER OR ABUTMENT EXCAVATION, CHANNEL CLEANOUT, EXCAVATION FOR ROCK CHANNEL PROTECTION AND REMOVAL OF TEMPORARY FILL ASSOCIATED WITH CONSTRUCTION OPERATIONS.
7. THE CONTRACTOR SHALL MAINTAIN THE FLOW OF THE CHANNEL AT ALL TIMES INCLUDING EROSION CONTROL. AS NECESSARY, THIS SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT COST OF THE BOX CULVERT.
8. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES AND SHALL BACKFILL AND GRADE EXCAVATED AREAS SO AS TO ELIMINATE PONDING AT THE CONSTRUCTION SITE.
9. USE OF SLAG IN ANY FORM IS NOT PERMITTED.
10. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL WITHOUT ANY ADDITIONAL COMPENSATION.
11. COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 IS REQUIRED OF ALL CONTRACTORS ON THIS PROJECT.
12. ALL CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR GRADING AND PAVING ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND THE ORDINANCES OF THE CITY OF NORTH OLUMSTED.
13. EXCAVATION AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, LATEST EDITION.
14. DRAINWAYS SHALL BE REPLACED OF EQUAL QUALITY AND DIMENSIONS AS EXISTED BEFORE THE COMMENCEMENT OF WORK OR AS DIRECTED BY THE ENGINEER. CONTRACTOR TO MAINTAIN ACCESS TO ALL HOMES DURING CONSTRUCTION.
15. ALL WORK CONTINGENT UPON THE DIRECT INSPECTION OF THE CITY ENGINEER OF THE CITY OF NORTH OLUMSTED OR HIS DULY AUTHORIZED REPRESENTATIVE.
16. CONTRACTOR SHALL COMPLY WITH THE CITY OF NORTH OLUMSTED EROSION AND SEDIMENT CONTROL PROCEDURES AND/OR ORDINANCES.
17. ANY WATER MAIN ITEMS NECESSARY SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF CLEVELAND WATER DEPARTMENT STANDARDS.
18. THE CONTRACTOR SHALL SUPPORT ALL EXISTING UTILITIES AND UTILITY SERVICE CONNECTIONS DURING CONSTRUCTION, AND THIS SHALL BE INCLUDED IN THE BID PRICE FOR THIS WORK.
19. THE CONTRACTOR SHALL PROVIDE SUPPORT FOR ALL EXISTING UTILITY POLES IN THE VICINITY OF THE WORK DURING CONSTRUCTION, AND SHALL BE INCLUDED IN THE PRICE FOR THIS PROJECT.
20. THE CONTRACTOR SHALL INVESTIGATE THE NATURE OF THE GROUND AT THE SITE OF THE PROPOSED WORK AND PAY PARTICULAR ATTENTION TO ANY SOIL CONDITION THAT MAY AFFECT THE PROGRESS OF THE WORK. THE CITY MAKES NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, REGARDING THE GROUND CONDITIONS.
21. ALL SEWER OR WATER MAIN TRENCH UNDER EXISTING PAVEMENT, DRIVEWAYS, OR WITHIN A 1:1 ZONE OF INFLUENCE FROM THESE ITEMS SHALL BE BACKFILLED WITH PREMIUM BACKFILL.
22. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE THE BACKFILL IN SUCH A MANNER THAT THE BACKFILL WILL PASS COMPACTION TESTS REQUIRED BY THE CITY OF NORTH OLUMSTED. ANY COSTS INCURRED TO REPLACE DEFECTIVE BACKFILL WILL BE THE CONTRACTOR'S RESPONSIBILITY.
23. TRAFFIC CONTROL AND DETOUR ROUTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL WORK WITH THE CITY ENGINEER TO ESTABLISH THE PREFERRED ROUTE. THE CONTRACTOR SHALL NOTIFY THE CITY OF NORTH OLUMSTED ENGINEERING AND POLICE DEPARTMENT 72 HOURS PRIOR TO ANY WORK BEING STARTED. TRAFFIC CONTROL SHALL BE AS SET FORTH IN THE OHIO MANUAL OF TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE OPERATIONS.
24. WHERE UNSUITABLE SURFACE MATERIAL IS ENCOUNTERED, IT SHALL BE REMOVED TO THE DEPTH DETERMINED BY THE ENGINEER AND REPLACED IN SIX (6) INCH (LOSS) (DEPTH) MECHANICALLY COMPACTED LAYERS. SURFACE REPLACEMENT SHALL CONSIST OF REMOVAL OF UNSUITABLE MATERIAL INCLUDING HAUL-OFF AND DISPOSAL PER ODOT ITEM 503 AND REPLACEMENT WITH NO. 1 & NO.2 STONE CONFORMING TO ODOT ITEM 703.
25. WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT. THE ENGINEER SHALL BE NOTIFIED OF ANY CONFLICT PRIOR TO CONDUCTING WORK.
26. CONTRACTOR TO SUBMIT THREE (3) COPIES OF SHOP DRAWINGS FOR APPROVAL ON ALL ITEMS PROPOSED AS PART OF THIS PROJECT. SHOP DRAWINGS FOR THE PRECAST BOX CULVERT AND HEADWALLS SHALL BE SIGNED AND SEALED BY A REGISTERED ENGINEER IN GOOD STANDING IN THE STATE OF OHIO.

**UNDERGROUND UTILITIES**

2 WORKING DAYS BEFORE YOU DIG

CALL TOLL FREE 800-362-2764

OHIO UTILITIES PROTECTION SERVICE

OIL & GAS PRODUCERS PROTECTIVE SERVICE

CALL: 1-800-925-0988

**ITEM 614 - MAINTAINING TRAFFIC**

1. THE CONTRACTOR SHALL ESTABLISH A DETOUR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, LATEST REVISION AND PER THE DETAILS IN THE PLANS.
2. A FLAGGER SHALL BE USED WHERE THE CONTRACTOR'S EQUIPMENT MUST MERGE WITH THE AMBER FLASHING LIGHT. THE CONTRACTOR'S VEHICLES SHALL BE EQUIPPED WITH AT LEAST ONE AMBER FLASHING LIGHT.
3. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES USED FOR THIS PROJECT SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, LATEST REVISION AND SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR, EXCEPT AS NOTED BELOW.
4. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS, SUCH AS TYPE III BARRICADES, LIGHTING, FLAGGERS, AND SUCH OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN ITEM 614, MAINTAINING TRAFFIC, SO AS TO AVOID DAMAGE AND/OR INJURY TO VEHICLES AND PERSONS USING THE ROADWAY DURING CONSTRUCTION.
5. EXISTING TRAFFIC CONTROL DEVICES (SIGNS AND/OR TRAFFIC SIGNALS), LOCATED WITHIN THE WORK ZONE, SHALL BE MAINTAINED THROUGHOUT THE PROJECT. TRAFFIC CONTROL DEVICES NOT APPROVED BY THE ENGINEER APPROPRIATE TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED IN COMPLIANCE WITH THE MANUAL AT ALL TIMES WHILE TRAFFIC IS MAINTAINED. THE COST OF RELOCATION, IF REQUIRED, SHALL BE INCLUDED IN THE COST OF THE CULVERT.
6. THE LENGTH AND DURATION OF TRAFFIC RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. THE INTENT IS TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ADEQUATE DRAINAGE OF THE TRAVELED ROADWAYS DURING ALL PHASES OF CONSTRUCTION BY USING EXISTING DRAINAGE FACILITIES AND TEMPORARY DRAINAGE FACILITIES.
8. ANY CONFLICTING SIGNS WHETHER INSIDE OR OUTSIDE THE WORK LIMITS SHALL BE COVERED OR REMOVED AND TEMPORARY SIGNS ERECTED WHEN APPLICABLE. EXISTING SIGNS ON ANY OF THE ADJACENT STREETS THAT ARE NOT APPLICABLE SHALL BE COVERED OR REMOVED BY THE CONTRACTOR. THE COVER SHALL BE TOTALLY OPAQUE. THE USE OF ADHESIVE TAPE APPLIED DIRECTLY TO EXISTING OR NEW SIGNS SHALL BE PROHIBITED. THE CONTRACTOR SHALL COVER A SIGN IN A MANNER AS TO AVOID DAMAGE TO THE SIGN WHEN THE COVER IS REMOVED.
9. TRAFFIC CONTROL DEVICES PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE COST OF THE CULVERT.
10. CONTRACTOR SHALL PROVIDE SAFE PEDESTRIAN ACCESS ACROSS PROJECT AT ALL TIMES, PARTICULARLY DURING SCHOOL STARTING AND ENDING TIMES AND NON-WORKING HOURS.

**CONSTRUCTION AT DRIVES**

1. ACCESS TO COMMERCIAL AND HANDICAP PROPERTY SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, THE CONTRACTOR SHALL MAKE REASONABLE PROVISIONS TO ALLOW RESIDENTIAL ACCESS AT ALL TIMES OR OTHERWISE ALLOW RESIDENTS TO PARK SAFELY WITHIN THE PROJECT WORK LIMITS WHEN ACCESS IS NOT POSSIBLE. ALL AT THE APPROVAL/DIRECTION OF THE ENGINEER, THE MAXIMUM OUT OF SERVICE TIME FOR ANY RESIDENTIAL DRIVE SHALL BE LIMITED TO THE WORK DAY. THE PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO MAINTAIN COMMERCIAL, HANDICAP AND RESIDENTIAL ACCESS AND/OR SAFE PARKING AREAS FOR RESIDENTS SHALL BE INCLUDED IN THE COST OF THE CULVERT; EXCEPT FOR THE SEPARATELY ESTIMATED ITEMS/QUANTITIES ADDITIONALLY PROVIDED ELSEWHERE IN THE PLANS FOR MAINTAINING TRAFFIC (ACCESS).
2. THE CONTRACTOR SHALL PROVIDE ALL WORK TO MAINTAIN SAFE ACCESS TO COMMERCIAL AND HANDICAP PROPERTY AT ALL TIMES AND TO MAINTAIN SAFE ACCESS TO RESIDENTIAL PROPERTY OR PROVIDE SAFE PARKING WITHIN REASONABLE PROXIMITY TO RESIDENTIAL PROPERTY WHEN ACCESS IS UNAVAILABLE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE APPROVAL OF THE ENGINEER WHICH OUTLINES HIS/HISHER STRATEGY FOR THE MAINTENANCE OF SAFE ACCESS TO COMMERCIAL, HANDICAP AND RESIDENTIAL PROPERTY AND/OR FOR ALLOWING RESIDENTS TO PARK SAFELY WITHIN THE PROJECT LIMITS WHEN ACCESS IS NOT POSSIBLE.
3. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS IN WRITING AT LEAST 48 HOURS PRIOR TO THE START OF ANY WORK THAT MAY AFFECT THEIR DRIVE AND/OR DRIVES TO ALL COMMERCIAL, RESIDENTIAL AND HANDICAP PROPERTIES.
4. EXCEPT AS NOTED ABOVE, ALL ASSOCIATED COSTS SHALL BE INCLUDED UNDER THE COST OF THE CULVERT.

**OVERNIGHT TRENCH CLOSING**

1. NO TRENCH SHALL BE LEFT OPEN OVER NIGHT WITHIN THE PAVEMENT LIMITS AND NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH IN NON-PAVEMENT AREAS.
2. ANY LENGTH OF TRENCH LEFT OPEN OVERNIGHT SHALL BE PROTECTED THROUGH THE USE OF STEEL PLATES. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED CULVERT INSTALLATION SHALL BE BACKFILLED OR PLATED AT THE DIRECTION OF THE ENGINEER.

**WORK ZONE**

1. THE CONTRACTOR SHALL LIMIT THE LENGTH OF THE WORK ZONE TO WHAT COULD BE COMPLETED DAILY. THE CONTRACTOR SHALL NOT HAVE CONSECUTIVE WORK ZONES LESS THAN 1,300 FEET, BUT NO MORE THAN 1,000 FEET APART.
2. ALL WORK ZONES SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, LATEST REVISION, PER ODOT STANDARD CONSTRUCTION DRAWING M-97.10 AND THE DETAILS IN THIS PLAN.

**BARRICADES**



- NOTES:
1. SIGN D-3 SHALL BE CONSTRUCTION ORANGE WITH BLACK LETTERING.
  2. WHENEVER THE CLOSURE OCCURS, THE TOTAL DETOUR SIGNING AS INDICATED ON THIS PLAN SHALL BE IMPLEMENTED.
  3. DETOUR SIGNS SHALL BE UNCOVERED AND VISIBLE TO TRAFFIC ONLY WHEN THE STREET CLOSURE IS IN EFFECT.
  4. DISTANCE BETWEEN ADVANCE WARNING SIGNS IS 100' MINIMUM.
  5. CONTRACTOR SHALL NOTIFY THE NORTH OLUMSTED POLICE, FIRE, AND SERVICE DEPARTMENTS AS WELL AS THE NORTH OLUMSTED CITY SCHOOLS A MINIMUM OF ONE (1) WEEK BEFORE TRAFFIC PATTERNS ARE TO CHANGE.

**SIGNAGE (REFER TO ODOT)**

**DETOUR AHEAD** (D-3, Var. x8) M4-20-36 38x38

**ROAD CLOSED AHEAD** (D-3, Var. x8) M4-20-36 38x38

**DETOUR** (M4-10R-48) M4-10R-48 48x24

**DETOUR** (M4-10L-48) M4-10L-48 48x24

**DETOUR** (D-3, Var. x8) M4-9L-30 30x24

**DETOUR** (D-3, Var. x8) M4-9R-30 30x24

**LOCAL TRAFFIC ONLY** (R-11) R-11 60x30

**ROAD CLOSED TO THRU TRAFFIC** (R-11-2-48) R-11-2-48 60x30 WITH FLASHING WARNING LIGHTS

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

- WATER:**  
 CITY OF CLEVELAND  
 17810 LORAIN AVENUE, ROOM 200  
 CLEVELAND, OHIO 44111  
 JAMES JANS  
 (419) 476-6142  
 jjanis@water1.com
- CABLE:**  
 CHARTER COMMUNICATIONS  
 320 SPRINGSIDE DR., SUITE 320  
 STRONGSVILLE, OHIO 44136  
 GARY MALAMANN  
 (216) 575-8016 x6033  
 gary.malamann@charter.com
- NATURAL GAS:**  
 DOMINION ENERGY OHIO  
 320 SPRINGSIDE DR., SUITE 320  
 AKRON, OHIO 44333  
 MICHAEL ANTONIOWS  
 Michael.Antonios@dominionenergy.com
- ELECTRICAL ENERGY:**  
 6556 MILLER ROAD, SUITE 101  
 BRECKSVILLE, OHIO 44141  
 JOHN ZASICK  
 (440) 625-0349  
 john.zasick@firstenergycorp.com

THERE ARE NO UNDERGROUND UTILITIES SHOWN IN PAVEMENT AREAS ON THIS PLAN. THE NATURE OF THE PAVING WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

DOMINION ENERGY OHIO  
 IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LATERAL AND SUBADJACENT SUPPORT OF DOMINION ENERGY PIPELINES, IN COMPLIANCE TO 29 CFR, PART 1926, SUBPART F, (SAFE EXCAVATION & SHORING). ONE FOOT MINIMUM VERTICAL AND HORIZONTAL CLEARANCE SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OTHER IMPROVEMENTS EXTREME CARE SHOULD BE TAKEN NOT TO HARM ANY DEO FACILITY (PIPELINE, ETC.) OR APPURTENANCE (PIPE COATING, TRACER WIRE, CATHODIC PROTECTION TEST STATION WIRES & DEVICES, VALVE BOXES, ETC.). DEO FACILITIES MUST BE PROTECTED WITH A TARP DURING BRIDGE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE AND LIABLE FOR ACCESSIBLE AND ALL BECAUSE OF THE EXCESSIVE WEIGHT BEING PLACED IN THE FACILITY AND THE EXISTING DEO FACILITY. PLEASE CONTACT DOMINION ENERGY OHIO'S CORROSION DEPARTMENT DAVE CUTLIP (330-266-2121), RICK McDONALD (330-266-2122), OR AL HAMMICHROUSER (330-478-3767).

