# **GENERAL**

### **UTILITIES**

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

**WATER:** CITY OF CLEVELAND DIVISION OF WATER 1201 LAKESIDE AVENUE CLEVELAND. OHIO 44114 FRED ROBERTS 216-664-2444 x75590 fred\_roberts@ClevelandWater.com

NATURAL GAS: DOMINION ENERGY OHIO 320 SPRINGSIDE DR., SUITE 320 AKRON, OHIO 44333 MICHAÉL ANTONIUS 330-664-2481 Michael.r.antonius@dominionenergy.com

**ELECTRIC**: CEI FIRST ENERGY 6896 MILLER ROAD, SUITE 101 BRECKSVILLE, OHIO 44141 JOHN ZASSICK P: (440) 546-8706 jmzassick@firstenergycorp.com

**TELEPHONE:** 13630 LORAIN AVENUE, ROOM 200 CLEVELAND. OHIO 44111 JAMES JANIS P: (216) 476-6142 pi8191@att.com

CHARTER COMMUNICATIONS 8179 DOW CIRCLE STRONGSVILLE, OHIO 44136 GARY NAUMANN (216) 575-8016 x5033 gary.naumannl@charter.com

CABLE: WIDE OPEN WEST (WOW) 105 BLAZE INDUSTRIAL PARKWAY BEREA, OHIO 44017 BOB HAMMOND (440) 625-0349 bob.hammond@wowinc.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.

#### CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9:00 PM AND 7:30 AM M-SA OR 8:00 PM AND 10:00 AM SUNDAY. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

THE CONTRACTOR SHALL APPLY FOR A NOISE VARIANCE TO PERFORM NIGHT PAVING. IN THE EVENT A NOISE VARIANCE IS NOT GRANTED BY THE CITY, WORK SHALL COMMENCE DURING THE DAYTIME HOURS AT NO ADDITIONAL COSTS. ANY ADDITIONAL MOT COST WILL BE INCLUDED IN THE LINE ITEM FOR MOT, NO SEPARATE PAYMENT SHALL BE MADE.

## PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL RECORD A VIDEO SURVEY OF ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY. A RECORD OF THIS VIDEO WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF ANDSCAPING ITEMS WILL BE MADE.

CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. SUBMIT A WRITTEN REQUEST TO THE PRÓJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE ITEM 204 - GEOTEXTILE FABRIC, AS PER PLAN PROPOSED USE AND RESTORATION OF THE AREA. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

### <u>WORK LIMITS</u>

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

### CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DETERMINED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER.

## CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES, LANE CLOSURE, AND ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THE INFORMATION TO THE CITY AND ANY OTHER LOCAL OFFICIALS RESPONSIBLE FOR PUBLIC NOTIFICATION.

### STATIONING AND LOCATIONS

STATIONING AND LOCATIONS INDICATED ON THESE PLANS ARE APPROXIMATE. ALL LOCATIONS AND ITEMS CALLED OUT BY STATION ARE SUBJECT TO ADJUSTMENT IN THE FIELD AS DETERMINED BY THE ENGINEER.

### **PHASING**

ROADWAY PAVEMENT WORK SHALL BE PHASED AS FOLLOWS. WORK FOR EACH PHASE SHALL INCLUDE PAVEMENT PLANING, REPAIRS, INTERMEDIATE ASPHALT COURSE, AND REOPEN TO TRAFFIC, UNLESS OTHERWISÉ NOTED. EACH PHASE SHALL BE COMPLETED BEFORE PROCEEDING TO NEXT PHASE, UNLESS ALLOWED BY THE ENGINEER.

PHASE 1 - LORAIN ROAD (SR10) TO GREAT NORTHERN BLVD (SR252) - INSIDE LANES. PHASE 2 - LORAIN ROAD (SR10) TO GREAT NORTHERN BLVD (SR252) - OUTSIDE LANES.

PHASE 3 - INTERSECTION OF GREAT NORTHERN BLVD AND BROOKPARK ROAD. WORK SHALL BE PERFORMED EVENINGS AND/OR WEEKENDS. ALL LANES MUST BE OPEN TO TRAFFIC FROM 7AM TO 7PM MONDAY THROUGH FRIDAY.

PHASE 4 - INTERSECTION OF CLAGUE ROAD AND BROOKPARK ROAD. INCLUDES PLANING, FULL DEPTH REPAIRS AND TEMPORARY STRIPING ONLY. WORK TO BE COMPLETED IN MAXIMUM OF SEVEN CALENDAR DAYS. SEE ALSO MAINTENANCE OF TRAFFIC PLAN.

PHASE 5 - GREAT NORTHERN BLVD TO CITY LIMITS - INSIDE LANES PHASE 6 - GREAT NORTHERN BLVD TO CITY LIMITS - OUTSIDE LANES

PHASE 7 - ASPHALT SURFACE COURSE - ENTIRE LENGTH.

# ROADWAY

### ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN

THE MONUMENT BOX TO BE ADJUSTED MAY OR MAY NOT HAVE AN EXISTING ADJUSTABLE FRAME. THE WORK SHALL CONSIST OF ADJUSTING THE EXISTING MONUMENT BOX TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR IS REMINDED TO FIELD CHECK ALL ADJUSTMENT TO GRADE ITEMS PRIOR TO BIDDING. AS NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR LABOR AND MATERIALS REQUIRED TO SATISFACTORILY ADJUST CASTING WITHOUT ADJUSTABLE FRAMES.

#### UNSUITABLE SUBGRADE MATERIAL

- WHERE UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED, IT SHALL BE REMOVED TO THE DEPTH DETERMINED BY THE ENGINEER AND REPLACED IN EIGHT (8) INCH MAXIMUM (LOOSE DEPTH) MECHANICALLY COMPACTED LAYERS. SUITABLE EMBANKMENT MATERIAL (204.02) REQUIRED TO REPLACE THE UNDERCUT SUBGRADE SHALL, TO THE EXTENT POSSIBLE, EXHIBIT THE SAME PHYSICAL PROPERTIES AS THE ADJACENT SOUND SUBGRADE MATERIALS. HOWEVER, USE OF SLAG, IN ANY FORM, IS NOT PERMITTED. IN CONJUNCTION WITH THE ABOVE WORK, AN ESTIMATED QUANTITY OF ITEM 204 - GEOTEXTILE FABRIC IS PROVIDED FOR USE AT LOCATIONS DETERMINED BY THE ENGINEER.

REMOVAL OF UNSUITABLE SUBGRADE SHALL BE PAID UNDER ITEM 204 - EXCAVATION OF SUBGRADE. AS PER PLAN. THE COST OF FURNISHING AND COMPACTING SUITABLE EMBANKMENT MATERIAL IN PLACE SHALL BE PAID FOR UNDER ITEM 204 - GRANULAR EMBANKMENT. AS PER PLAN. PROOF ROLLING SHALL BE INCIDENTAL TO SUBGRADE COMPACTION.

THE FOLLOWING ESTIMATED QUANTITIES TO BE USED AT LOCATIONS DETERMINED BY THE ENGINEER. ARE CARRIED TO THE GENERAL SUMMARY FOR THIS WORK AND PAYMENT IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR:

ITEM 204 - GRANULAR EMBANKMENT, AS PER PLAN ITEM 204 - EXCAVATION OF SUBGRADE, AS PER PLAN

### ITEM 209 - LINEAR GRADING, AS PER PLAN

# ITEM 659 - SEEDING AND MULCHING, AS PER PLAN

#### ITEM 659 - TOPSOIL. AS PER PLAN

THESE ITEMS ARE INTENDED TO BE USED TO CORRECT ANY GRADING DEFICIENCIES ALONG THE OUTSIDE BERM TO RE-ESTABLISH PROPER DRAINAGE.

THE FOLLOWING ESTIMATED QUANTITIES TO BE USED AT LOCATIONS DETERMINED BY THE ENGINEER, ARE CARRIED TO THE GENERAL SUMMARY FOR THIS WORK AND PAYMENT IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR:

ITEM 209 - LINEAR GRADING, AS PER PLAN ITEM 659 - SEEDING AND MULCHING ITEM 659 - TOPSOIL

### ITEM SPECIAL - PRE-CONSTRUCTION VIDEOGRAPHY, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO PRIOR TO THE DELIVERY OF ANY EQUIPMENT, MATERIAL OR SUPPLIES AS FOLLOWS:

- A. SCOPE: COLOR VIDEO & AUDIO DOCUMENTATION OF SURFACE FEATURES AND IMPROVEMENTS WITHIN PROJECT LIMITS AND STORAGE AREAS, INCLUDING ADJACENT AREA. PRIOR TO AUDIO-VIDEO TAPING OF THE PROJECT, ALL AREAS TO BE INVENTORIED SHALL BE INVESTIGATED VISUALLY WITH NOTATIONS MADE OF ITEMS NOT READILY VISIBLE BY TAPING
- B. PURPOSE: DOCUMENTATION OF EXISTING CONDITIONS PRIOR TO CONSTRUCTION FOR USE IN DETERMINING RESTORATION WORK AFTER CONSTRUCTION.
- QUALIFICATIONS: MINIMUM TWO (2) YEARS OF AUDIO-VIDEO TAPING EXPERIENCE ON SIMILAR TYPE CONSTRUCTION PROJECTS FOR PUBLIC AGENCIES.
- D. COVERAGE AREA: SHALL INCLUDE, BUT NOT LIMITED TO, ALL EXISTING DRIVEWAYS, SIDEWALKS, CURBS, STREETS, SIGNS, LANDSCAPING, TREES, CATCH BASINS, FENCES, VISIBLE UTILITIES, AND ALL BUILDINGS LOCATED WITHIN THE CONSTRUCTION ZONE OF INFLUENCE.
  - a. STREET FULL WIDTH OF RIGHT-OF-WAY UNLESS NOTED OTHERWISE BY THE ENGINEER.
  - b. WORK AGREEMENT AREAS ALL ADJACENT AREAS LYING WITHIN THE CONSTRUCTION ZONE OF INFLUENCE.
  - c. BUILDING EXTERIORS ALL EXTERIOR SURFACES IDENTIFIED BY THE ENGINEER TO RECEIVE COVERAGE.
  - d. FRONT AND SIDE YARD AREAS OF RESIDENTIAL HOMES WITHIN THE CONSTRUCTION ZONE OF INFLUENCE.
- E. EQUIPMENT: CAMERA SHALL BE CAPABLE OF PROVIDING ACCEPTABLE RESOLUTION COLOR VIDEO, SUFFICIENT ZOOM, PAN AND TILT CAPABILITIES, VIDEO SIGNAL-TO-NOISE RATIO OF AT LEAST 40 DB. AND A HORIZONTAL RESOLUTION OF 270 LINES.
- F. DELIVERABLE; CONTRACTOR SHALL PROVIDE TWO (2) COPIES ON CD OR DVD. THE DISKS SHALL BE LABELED WITH PROJECT NAME, LOCATION, AND DATE. THE AUDIO-VIDEO CONTENTS SHALL BE INVENTORIED BY RUN SEGMENT. IDENTIFIED BY LOCATION. ADDRESS. OR STATIONING.
- G. ENTERING PROPERTY: PRIVATE PROPERTY SHALL NOT BE ENTERED WITHOUT PERMISSION OF THE PROPERTY OWNER.
- OWNERSHIP OF DISKS: ALL DISKS AND THEIR CONTENTS SHALL BECOME PROPERTY OF THE CITY OF NORTH OLMSTED.
- SITE RECORDING CONDITIONS ALL RECORDING SHALL BE DONE DURING GOOD AND CLEAR VISIBILITY. THE AVERAGE RATE OF SPEED DURING RECORDING SHALL BE APPROXIMATELY SIXTY (60) FEET PER MINUTE.

ITEM SPECIAL - PRE-CONSTRUCTION VIDEOGRAPHY, AS PER PLAN

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## PAVEMENT

#### ITEM 254 PAVEMENT PLANING. ASPHALT CONCRETE, AS PER PLAN

THE INTENT OF THE PLANING IS TO MILL DOWN TO THE CONCRETE BASE (WHERE PRESENT), INCLUDING SCARIFYING THE CONCRETE SURFACE, AND 3" IN OTHER AREAS, CONTINGENT ON THE FOLLOWING: THE MAXIMUM CROSS SLOPE SHALL BE 0.02 WHILE THE MINIMUM CROSS SLOPE SHALL BE 0.01. THE PREFERRED CROSS SLOPE IS 0.016. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CURB, TO PRODUCE A CROSS SLOPE IN CONFORMANCE WITH THE ABOVE GUIDELINES.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANED ROADWAY SURFACE MORE THAN FOURTEEN (14) CALENDAR DAYS. FOR EACH CALENDAR DAY BEYOND THE 7 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANED SURFACE. THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE OF \$1,000 A DAY.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING. ASPHALT CONCRETE, AS PER PLAN.

## PROFILE AND ALIGNMENT

1.5 MI

3500 SY 100 CY PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. AN ADDITIONAL QUANTITY OF ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 HAS BEEN INCLUDED TO BE USED AS A LEVELING COURSE AT LOCATIONS DETERMINED BY THE ENGINEER.

ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 (448) AS PER PLAN 150 CY



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