

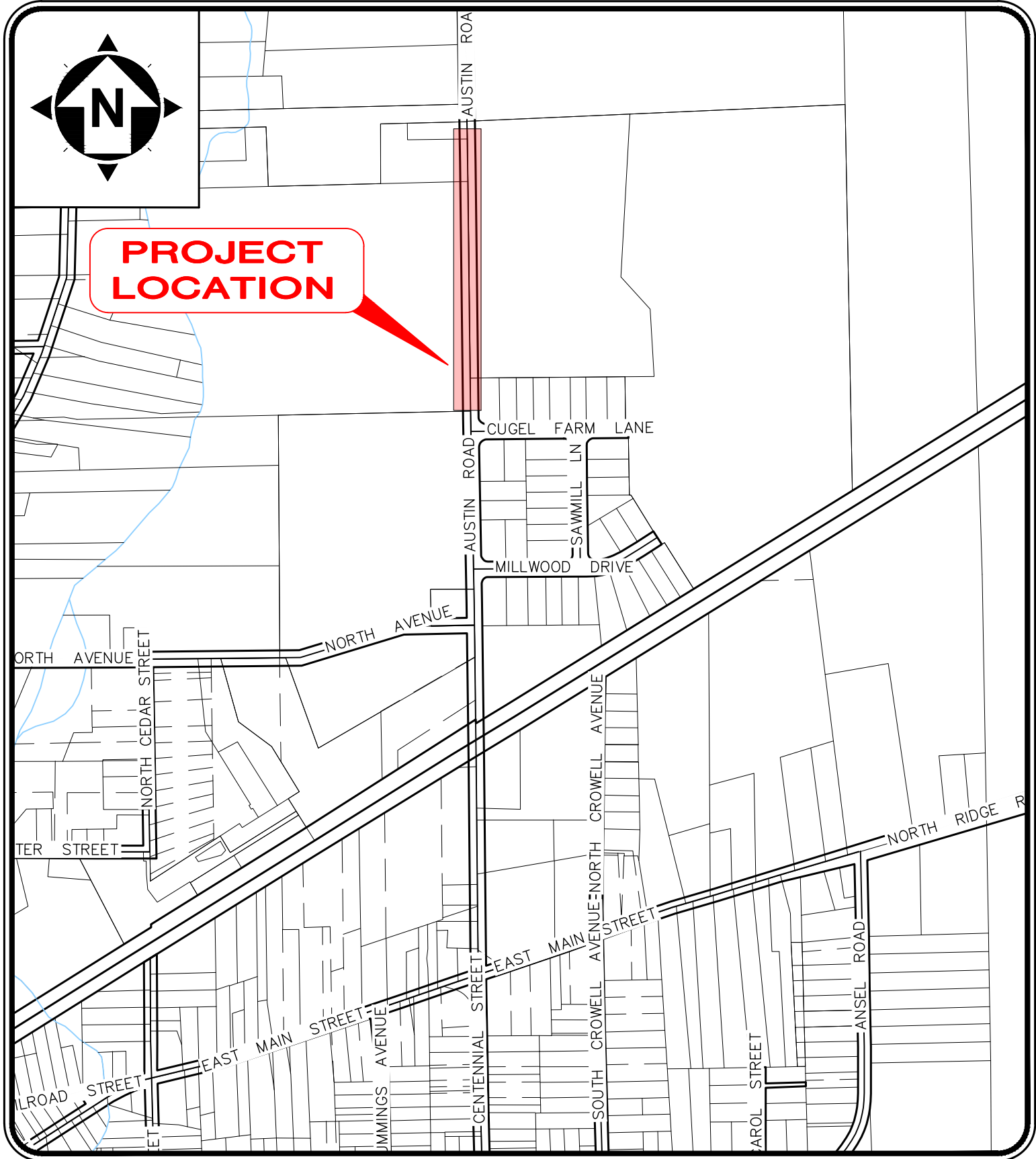
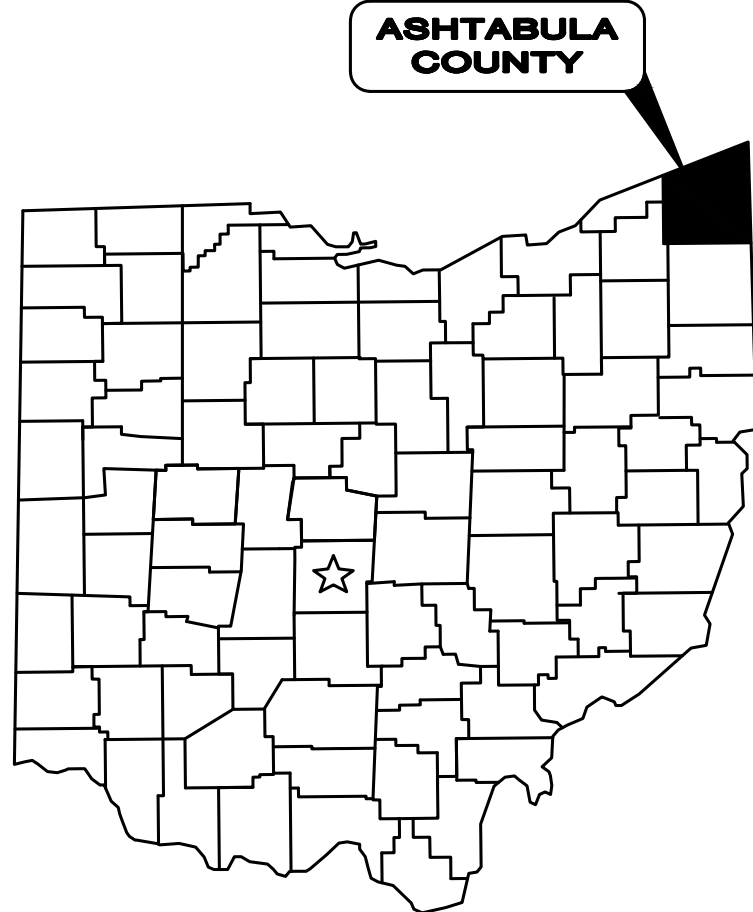
CITY OF GENEVA

AUSTIN ROAD PAVEMENT IMPROVEMENTS

OPWC FUNDED PROJECT

ASHTABULA COUNTY, OHIO

JUNE 2024



LOCATION MAP
SCALE: 1" = 500'

GENEVA CITY COUNCIL MEMBERS

- JOHN BARBO.....PRESIDENT
- ROBERT ROSEBRUGH.....VICE PRESIDENT
- WILLIAM BAKER.....MEMBER
- JEFFREY GRIFFITHS MEMBER
- JOHN TRAVIS.....MEMBER
- JAMES BAEHR..... MEMBER
- DANA SCHENK MEMBER
- PHYLLIS A. DUNLAPCOUNCIL CLERK



UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

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

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: 1-800-925-0988

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.



06/11/2024

LENE C. HILL, P.E.

P.E. No. 66017

DATE

1.0 GENERAL

1.01 THE WORK CONTEMPLATED UNDER THIS CONTRACT COMPRISES THE FURNISHING AND INSTALLATION OF A WATER MAIN COMPLETE WITH VALVES, OTHER APPURTENANCES, AND THE PERFORMANCE OF OTHER INCIDENTAL WORK.

THE CONTRACTOR WILL DO ALL OF THE WORK AND FURNISH ALL OF THE LABOR AND MATERIALS NECESSARY FOR THE FINAL COMPLETION OF THIS CONTRACT IN THE MANNER AND UNDER THE CONDITIONS HEREIN SPECIFIED AND PROVIDED AND IN ACCORDANCE WITH THE CONTRACT DRAWINGS.

1.02 ACCESS TO ALL DRIVEWAYS WILL BE MAINTAINED AT ALL TIMES EXCEPT THE TIME WHEN PAVEMENT REPLACEMENT WILL NOT PERMIT.

1.03 IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SAFE LOCAL ACCESS, VEHICULAR AND PEDESTRIAN, TO ALL PROPERTIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR WILL FURNISH, MAINTAIN AND SUBSEQUENTLY REMOVE ALL NECESSARY SAFEGUARDS SUCH AS BARRICADES, BARRIERS, TEMPORARY PAVEMENT, LIGHTING, FLAGGERS, SIGNING AND OTHER TRAFFIC CONTROLS TO INSURE THE SAFETY OF PERSONS AND VEHICLES DURING CONSTRUCTION WITHIN THE PROJECT LIMITS.

MAINTAINING TRAFFIC SHALL BE IN ACCORDANCE WITH ODOT ITEM 614 AND THE OHIO MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE OPERATIONS - REVISION 20.

1.04 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING A SITE FOR DISPOSAL OF ALL EXCAVATED MATERIAL THAT IS UNSUITABLE FOR USE AS BACKFILL AND ALL OTHER EXCESS EXCAVATED MATERIALS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE LOCATION OF THE DISPOSAL SITE AND WRITTEN PERMISSION FOR USE OF THE SITE FROM THE PROPERTY OWNER. THE COST FOR SECURING AND MAINTAINING THE DISPOSAL SITE WILL BE INCLUDED IN THE UNIT PRICES STIPULATED FOR THE VARIOUS ITEMS IN THE BID PROPOSAL.

1.05 ALL OVER-THE-ROAD VEHICLES USED ON THE PROJECT BY ALL CONTRACTORS AND SUBCONTRACTORS WILL BE CLEARLY MARKED SHOWING ITS COMPANY AFFILIATION.

1.06 ALL SHOP DRAWINGS WILL BE SUBMITTED TO THE ENGINEER FOR PRELIMINARY CHECKING. THE ENGINEER SHALL FORWARD THE CHECKED SHOP DRAWINGS TO THE OWNER FOR FINAL CHECKING AND APPROVAL. SHOP DRAWINGS MUST BE APPROVED PRIOR TO ORDERING ANY MATERIALS.

2.0 EXCAVATION, BACKFILL, AND COMPACTION

2.01 ALL EXCAVATION WILL BE CONSIDERED UNCLASSIFIED, NO ADDITIONAL COMPENSATION WILL BE ALLOWED THE CONTRACTOR FOR ROCK OR SHALE EXCAVATION.

2.02 SLAG PRODUCTS WILL NOT BE PERMITTED FOR BEDDING, BACKFILL, OR TRAFFIC COMPACTED SURFACE.

2.03 ANY COMPACTION TESTING REQUIRED AT THE SOLE DISCRETION OF THE CITY ENGINEER SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

3.0 EXISTING UTILITIES

3.01 BEFORE ANY WORK IS STARTED, THE CONTRACTOR SHALL CALL THE "OHIO UTILITIES PROTECTION SERVICE", AT 1-800-362-2764, AND "OIL & GAS PRODUCERS UNDERGROUND PROTECTIVE SERVICE", AT 1-800-925-0988, FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, AT NO ADDITIONAL EXPENSE TO THE OWNER, 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 OWNER, INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS.

THE FOLLOWING IS BELIEVED TO BE THE LIST OF UTILITY OWNERS AND GOVERNING AUTHORITIES WITHIN THE LIMITS OF CONSTRUCTION:

TIME WARNER CABLE (877)459-9044 www.timewarnerohio.com	CITY OF GENEVA WATER DEPARTMENT (440) 466-4549 www.genevaohio.com
ALLTEL COMMUNICATIONS (440) 993-5151 www.alltel.com	CITY OF GENEVA STREETS DEPARTMENT (440) 466-2921 www.genevaohio.com
FIRST ENERGY 1-800-589-3101 www.firstenergycorp.com	CITY OF GENEVA WASTEWATER DEPARTMENT (440) 466-4228 www.genevaohio.com
GREAT WAVE COMMUNICATIONS 1-440-593-7100 www.greatwavecom.com	DOMINION EAST OHIO GAS COMPANY 1-800-521-1900 www.dom.com
	WINDSTREAM (501) 748-4433 www.windstream.com

4.0 MONUMENT PROTECTION

4.01 PROPERTY PINS AND MONUMENTS ALONG THE ROUTE OF THE IMPROVEMENT, WHICH MAY BE DISTURBED BY THE CONTRACTOR, SHALL BE REFERENCED BY A PROFESSIONAL SURVEYOR, SO THEY CAN BE REPLACED IN THE EVENT THAT THEY ARE DISTURBED DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT ALL PINS, MONUMENTS AND REFERENCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF LOCATING AND REFERENCING AND REPLACING THE PROPERTY PINS AND MONUMENTS.

5.0 MAILBOXES, FENCES, NEWSPAPER BOXES OR STREET SIGNS AND SUPPORTS

5.01 WHEN MAILBOXES, FENCES, NEWSPAPER BOXES OR STREET SIGNS AND SUPPORTS INTERFERE WITH CONSTRUCTION, THE CONTRACTOR SHALL REMOVE AND ERECT THEM IN A TEMPORARY LOCATION DURING CONSTRUCTION (EXCEPT FENCES). AFTER COMPLETION OF THE CONSTRUCTION AND BEFORE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL ERECT THE MAILBOXES, FENCES, NEWSPAPER BOXES OR STREET SIGNS AND SUPPORTS IN A PERMANENT LOCATION IN ACCORDANCE WITH THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE WORK SHALL BE INCLUDED IN THE UNIT PRICES BID FOR OTHER ITEMS.

6.0 RESTORATION

6.01 THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS OPERATION AND RESTORE ALL SURFACES, STRUCTURES, DITCHES AND PROPERTY TO ITS ORIGINAL CONDITION. ANY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE REGRADED BY THE END OF THE SAME WORK DAY.

6.02 ANY AREAS DISTURBED AS PART OF THIS WORK SHALL BE RESTORED. THE WORK SHALL BE INCLUDED IN THE UNIT PRICES BID FOR OTHER ITEMS. THERE IS NO SEPARATE LINE ITEM FOR RESTORATION.

6.03 RESTORATION SHALL INCLUDE SEEDING AND MULCHING OF DISTURBED AREAS, RESTORATION OF EXISTING DRIVES AND FINAL CLEAN UP.

7.0 PROHIBITED CONSTRUCTION ACTIVITIES

7.01 DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOODPLAINS, EVEN WITH THE PERMISSION OF THE PROPERTY OWNER;

7.02 LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS;

7.03 INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS;

7.04 PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS, OR STORM SEWERS; ALL SUCH WATER WILL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO RELEASE;

7.05 DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE AND OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS, OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO; PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOW LINE OF ANY STREAM;

7.06 DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA; DISPOSAL OF TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS;

7.07 OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT;

7.08 DISCHARGING INJURIOUS SILICA DUST CONCENTRATIONS INTO THE ATMOSPHERE RESULTING FROM BREAKING, CUTTING, CHIPPING, RILLING, BUFFING, GRINDING, POLISHING, SHAPING OR SURFACING CLOSER THAN 200 FEET TO PLACES OF RESIDENCES OR COMMERCIAL, PROFESSIONAL, QUASI-PUBLIC OR PUBLIC PLACES OF HUMAN OCCUPATION;

7.09 STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR PRIVATE, NOT PREVIOUSLY SPECIFIED ON THE PLANS BY THE ENGINEER FOR SUCH PURPOSES;

7.10 RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE PROPERTY OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT THE WRITTEN PERMISSION OF THE PROPERTY OWNER AND THE CONSENT OF THE ENGINEER;

7.11 OPERATIONS ENTAILING THE USE OF VIBRATORY HAMMERS OR COMPACTORS OUTSIDE THE HOURS OR 8:00 AM AND 5:00 PM.

7.12 CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE OR BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE ENGINEER, AND CLOSING CLEAR ACCESS:

- BY FIRE PROTECTION EQUIPMENT AND EMERGENCY VEHICLES;
- BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR PLACE OF RESIDENCE; OR
- BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE MEANS OF BUILDING INGRESS AND EGRESS.

8.0 CONTINGENCY ITEMS

8.01 THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEERS DISCRETION SHALL BE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.



NO	REVISION	DATE

CITY OF GENEVA

AUSTIN ROAD PAVEMENT IMPROVEMENTS

ASHTABULA COUNTY, OHIO

ISSUED FOR:	BID
ISSUE DATE:	May 24
SCALE:	AS SHOWN
DESIGNED BY:	LCH
DRAWN BY:	TJM
CHECKED BY:	LCH

GENERAL NOTES

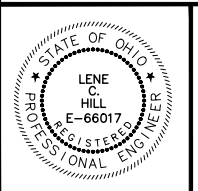
PROJECT NO.	
241550	
DISCIPLINE	
CIVIL	
SHEET NAME	
GN	
SHEET	OF
2	5



50' 0' 50'
SCALE: 1" = 50'

LEGEND

 PLANING AND ASPHALT RESURFACING LIMITS



NO	REVISION	DATE

CITY OF GENEVA

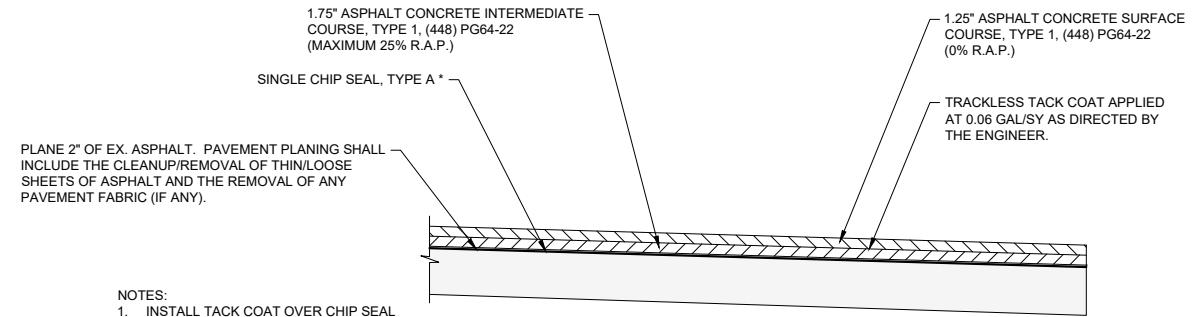
AUSTIN ROAD PAVEMENT IMPROVEMENTS

ASHTABULA COUNTY, OHIO

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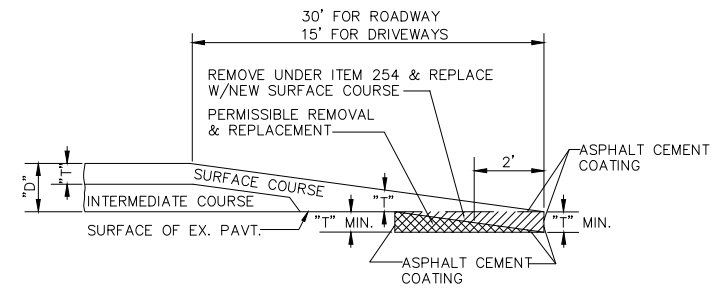
PAVING LIMITS

PROJECT NO.	241550
DISCIPLINE	CIVIL
SHEET NAME	PLAN
SHEET	OF
3	5



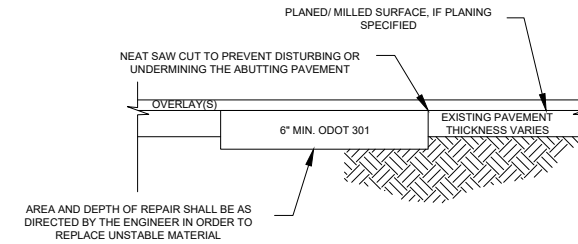
- NOTES:
1. INSTALL TACK COAT OVER CHIP SEAL LAYER AT 0.09 GAL/SY WHEN DIRECTED BY ENGINEER
 2. TIME LINE BETWEEN MILLING OF THE SURFACE AND PLACEMENT OF THE INTERMEDIATE COURSE SHALL NOT EXCEED 7 DAYS.

TYPICAL ASPHALT RESURFACING
NOT TO SCALE



- NOTES:
- BUTT JOINTS ARE INCIDENTAL TO THE PLANING AND PAVING ITEMS. NO SEPARATE PAYMENT WILL BE MADE.

BUTT JOINT DETAIL



PAVEMENT REPAIR DETAIL (ITEM 253)

NOTE: ITEM SHALL BE USED AS DIRECTED



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DETAILS

PROJECT NO.		241550
DISCIPLINE		CIVIL
SHEET NAME		DET
SHEET	OF	
4	5	

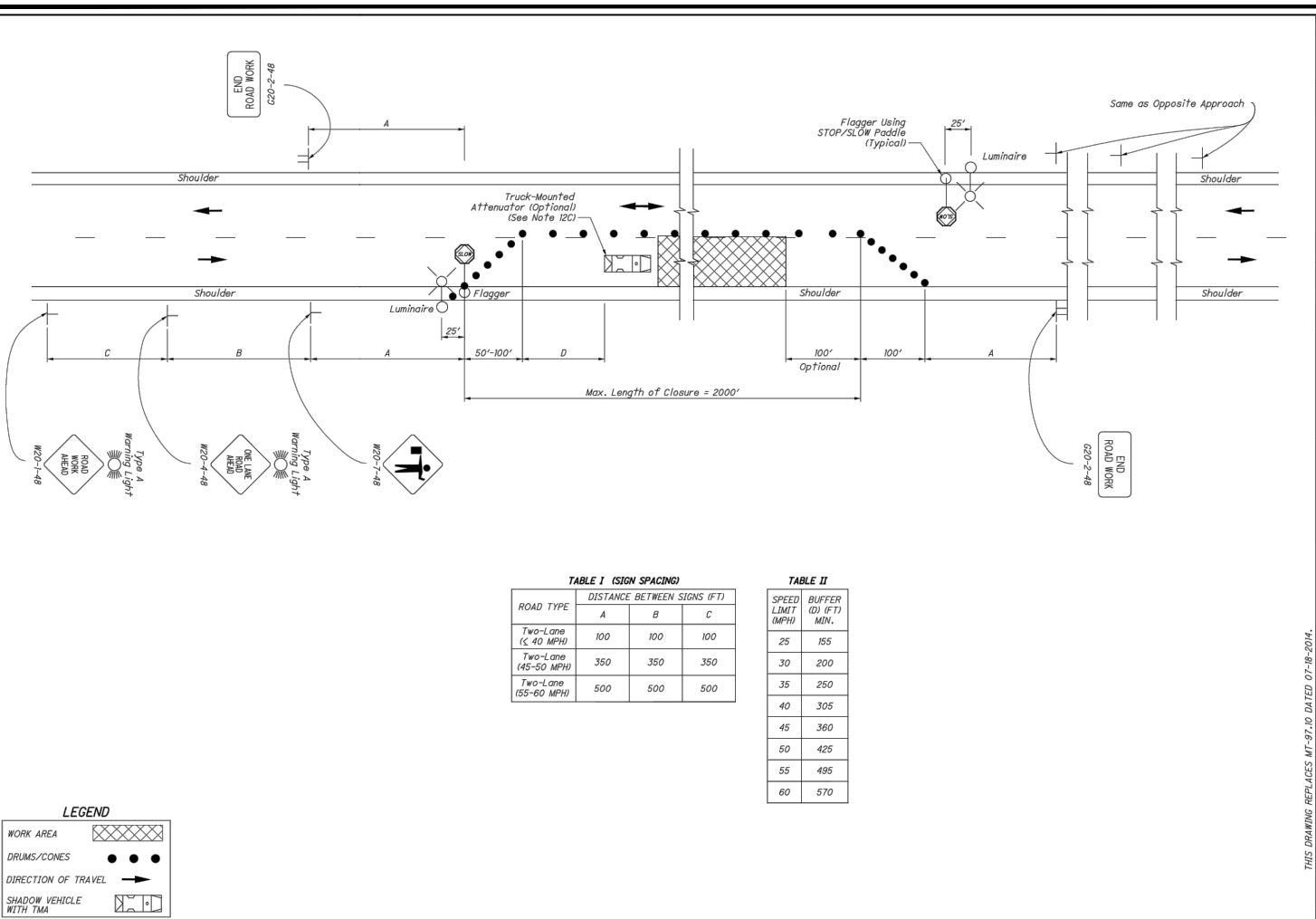
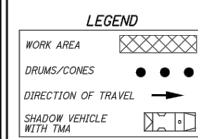


TABLE I (SIGN SPACING)

ROAD TYPE	A	B	C
Two-Lane (< 40 MPH)	100	100	100
Two-Lane (45-50 MPH)	350	350	350
Two-Lane (55-60 MPH)	500	500	500

TABLE II

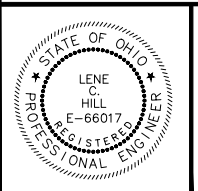
SPEED LIMIT (MPH)	BUFFER (D) (FT) MIN.
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570



THIS DRAWING REPLACES MT-97.10 DATED 07-18-2014.
 STANDARD ROADWAY CONSTRUCTION DRAWING
FLAGGER CLOSING 1 LANE OF A 2-LANE HIGHWAY - STATIONARY OPERATION
 DESIGNER: Solason
 CHECKER: David L. Holstein
 DATE: 04-19-2019

NOTES:

- 1. FLAGGERS**
 1. Flaggers, one for each direction, shall be used to control traffic continuously for as long as a one lane operation is in effect. The flaggers shall be able to communicate with each other at all times.
- 2. LENGTH OF CLOSURE**
 2. Several small work areas close together should be combined into one work zone. However, the closure shall not be more than 2000' long unless approved by the Engineer. The minimum length between closures shall be 2000'. Only one side of the road shall be closed in any one work zone.
- 3. SIGN LOCATION AND SPACING**
 3A. The minimum spacing between work zone signs is shown in Table I. Maximum spacing should not be greater than 1.5 times the distances shown in Table I.
 3B. Sign spacing should be adjusted to avoid conflict with existing signs. Minimum spacing to existing signs shall be 200' for speeds of 45 mph or less and a minimum of 400' for speeds of 50 mph or greater.
 3C. The location of the advance warning signs should be adjusted to provide for adequate sight distance for the existing vertical and horizontal roadway alignment.
- ADJUSTMENTS FOR SIGHT DISTANCE**
 4. The location of the flagger station and the advance warning signs should be adjusted to provide for adequate sight distance for the existing vertical and horizontal roadway alignment.
- BASIC SIGNING**
 5A. ROAD WORK AHEAD (W20-1) signs shall be provided on entrance ramps or roadways entering the work limits.
 5B. END ROAD WORK (G20-2) signs are only required for lane closures of more than 1 day. If it is intended that these signs be placed on the mainline, on all exit ramps, and on roadways exiting the work limits.
 5C. Overlapping of signing for adjacent projects should be avoided where the messages could be confusing. Any ROAD WORK AHEAD (W20-1) or END ROAD WORK (G20-2) sign which falls within the limits of another traffic control zone shall be omitted or covered during the period when both projects are active.
- SIGNING DETAILS**
 6A. The Advisory Speed (W13-1P) plaque shall be used when specified in the plan.
 6B. 36" warning signs may be used when the approach speed limit is 40 mph or less.
- FLASHING WARNING LIGHTS**
 7. Type A flashing warning lights shown on the ROAD WORK AHEAD (W20-1) signs and on the LANE CLOSED AHEAD (W20-5) signs are required whenever a night lane closure is necessary.
- DRUMS / CONES**
 8A. Drum spacing shall be as follows:
 a) Spacing along the closure shall be 40' center-to-center.
 b) Spacing along the approach taper shall be 10' center-to-center.
 8B. Cones may be substituted for drums as follows:
 a) Cones used for daytime traffic control shall have a minimum height of 28".
 b) Cones used for nighttime traffic control shall have a minimum height of 42".
 c) Use of cones of night shall be prohibited along tapers.
 8C. Provisions shall be made to stabilize the cones and drums to prevent them from blowing over.
 8D. A minimum of two drums shall be used to close the paved shoulder.
- (RESERVED FOR FUTURE USE)**
 9A. (intentionally blank)
- AREA ILLUMINATION**
 10A. Adequate area illumination of each flagger station shall be provided at night. Use of portable flood lighting is acceptable. Luminaires shall be located adjacent to each flagger station.
 10B. To ensure the adequacy of floodlight placement and the elimination of glare, the Contractor and the Engineer shall drive through the worksite each night when the lighting is in place. Light placement and shielding shall be adjusted to the satisfaction of the Engineer.
- INTERSECTION / DRIVEWAY ACCESS**
 11. Within the length of closure, provision shall be made to control traffic entering from intersecting streets and major drives as necessary to prevent wrong-way movements and to keep vehicles off of new pavement not ready for traffic. The Contractor shall:
 a) Place across the closed lane, either three drums (cones) or barricades, and/or
 b) Provide an additional flagger at every public street intersection and major driveway.
 Drums (cones) placed across the closed lane shall be located 25' beyond the projected pavement edges of the driveway or cross highway, as shown in Standard Construction Drawings SCDS MT-97.11 or MT-97.12. For barricades, see SCDF MT-97.10.
 Existing STOP signs shall be relocated as necessary to assure proper location for the traffic conditions.
 The method of control shall be subject to the approval of the Engineer.
- SHADOW VEHICLE**
 12A. The shadow vehicle shall be in place and unoccupied whenever workers are in the work area. This vehicle shall be removed from the pavement whenever workers are not in the work area.
 12B. The shadow vehicle shall be equipped with a high-intensity yellow rotating, flashing, oscillating, or strobe light(s).
 12C. The shadow vehicle shall be equipped with a truck-mounted or trailer attenuator (TMA) in accordance with CMS 614.03 when called for in the plans.
- CHIP SEAL OPERATIONS**
 13. For chip seal operations, additional signing shall be incorporated in the advanced warning area.
 a) The LOOSE GRAVEL (W8-7) and FRESH TAR (W21-2) signs shall both be used in advance of the chip seal operation.
 b) Repeat the LOOSE GRAVEL sign with a 35 mph Advisory Speed (W13-1) plaque every half mile per CMS 425.09.
 c) The FRESH TAR and the LOOSE GRAVEL signs shall both be used for signing of side roads intersecting the work area.



NO	REVISION	DATE

CITY OF GENEVA
AUSTIN ROAD PAVEMENT IMPROVEMENTS
ASHTABULA COUNTY, OHIO

ISSUED FOR: BD
 ISSUE DATE: May 24
 SCALE: AS SHOWN
 DESIGNED BY: LCH
 DRAWN BY: TJM
 CHECKED BY: LCH

MAINTENANCE OF TRAFFIC

PROJECT NO.	
241550	
DISCIPLINE	
CIVIL	
SHEET NAME	
MOT	
SHEET	OF
5	5

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