

**LOCATION MAP**

LATITUDE: 39°08'32" LONGITUDE: -84°37'51"



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	-----

**DESIGN DESIGNATION**

CURRENT ADT (2025)	13,700 (WERK), 14,300 (WESTBOURNE)
DESIGN YEAR ADT (2045)	18,800 (WERK), 19,500 (WESTBOURNE)
DESIGN HOURLY VOLUME (2045)	1,010 (WERK), 1,030 (WESTBOURNE)
DIRECTIONAL DISTRIBUTION	.53 (WERK), .58 (WESTBOURNE)
TRUCKS (24 HOUR B&C)	0.5% (WERK), 0.5% (WESTBOURNE)
DESIGN SPEED	35 (WERK), 35 (WESTBOURNE SOUTH), 30 (WESTBOURNE NORTH)
LEGAL SPEED	35 (WERK), 35 (WESTBOURNE)
DESIGN FUNCTIONAL CLASSIFICATION:	
MINOR ARTERIAL (WERK), MAJOR COLLECTOR (WESTBOURNE)	
NHS PROJECT	NO

**DESIGN EXCEPTIONS**

NONE

**ADA DESIGN WAIVERS**

REQUIRED

**UNDERGROUND UTILITIES**  
 Contact Two Working Days  
 Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764  
 (Non members must be called directly)

PLAN PREPARED BY:  
 TEC ENGINEERING, INC.  
 7288 CENTRAL PARK BLVD  
 MASON, OH 45040

**ENGINEER'S SEAL**

**STATE OF OHIO  
 DEPARTMENT OF TRANSPORTATION**

**HAM CR 158/460 2.04/0.54**

SEC. 14, T. 2, FR. 2, M.R.S.

GREEN TOWNSHIP, HAMILTON COUNTY

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STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	MT-95.60	4/19/19	TC-21.21	7/18/25	800	1/16/26
BP-4.1	7/19/13	MT-95.61	4/19/19	TC-41.20	10/18/13	832	7/18/25
BP-5.1	1/16/26	MT-97.10	7/18/25	TC-42.20	10/18/13	878	1/16/26
BP-7.1	1/16/26	MT-101.90	7/17/20	TC-52.10	10/18/13	902	1/16/26
		MT-105.10	1/17/20	TC-52.20	1/15/21		
CB-2-2A, 2B, 2C	7/19/24	MT-110.10	7/19/13	TC-65.10	1/17/14		
CB-3	1/16/26			TC-65.11	7/18/25		
		RM-2.1	7/19/13	TC-71.10	1/16/26		
DM-1.1	1/17/25			TC-74.10	1/16/26		
DM-1.2	1/17/25			TC-81.22	1/16/26		
				TC-83.10	1/16/26		
MH-3	7/19/24			TC-83.20	7/18/25		
				TC-85.10	1/16/26		
				TC-85.20	4/21/23		

Date changed from 1/16/26 to 7/18/25

**FEDERAL PROJECT NUMBER**

E251192

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

ADDITION OF RIGHT TURN LANES ON 3 LEGS, AND REPLACEMENT OF THE TRAFFIC SIGNAL AT THE INTERSECTION OF WESTBOURNE AND WERK ROADS.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	0.87 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A

**2023 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

**FUTURE MAINTENANCE OF PROPOSED ITEMS:**

ALL PROPOSED DRAINAGE STRUCTURES AND CONVEYANCES SHOWN ON THESE PLANS ARE NOT ACCEPTED BY THE BOARD OF COUNTY COMMISSIONERS OF HAMILTON COUNTY, AND THE COUNTY OF HAMILTON IS NOT RESPONSIBLE TO MAINTAIN, REPAIR OR REPLACE ANY PROPOSED DRAINAGE STRUCTURES AND CONVEYANCES SHOWN ON THESE PLANS. EXCEPT HEREIN MODIFIED WHEN THE DRAINAGE STRUCTURES AND CONVEYANCES CROSS UNDERNEATH COUNTY ROADWAY. ALL PROPOSED SIDEWALK AND CURB RAMPS SHOWN ON THESE PLANS ARE NOT ACCEPTED BY THE BOARD OF COUNTY COMMISSIONERS OF HAMILTON COUNTY, AND THE COUNTY OF HAMILTON IS NOT RESPONSIBLE TO MAINTAIN, REPAIR OR REPLACE ANY PROPOSED SIDEWALK SHOWN ON THESE PLANS. ALL PROPOSED CURB AND CURB INLETS SHOWN ON THESE PLANS ARE NOT ACCEPTED BY THE BOARD OF COUNTY COMMISSIONERS OF HAMILTON COUNTY, AND THE COUNTY OF HAMILTON IS NOT RESPONSIBLE TO MAINTAIN, REPAIR OR REPLACE ANY PROPOSED DRAINAGE STRUCTURES AND CONVEYANCES SHOWN ON THESE PLANS.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATE.

Douglas A. Gruver, P.E.  
 District 08 Deputy Director

Pamela Boratyn  
 Director, Department of Transportation

DESIGN AGENCY

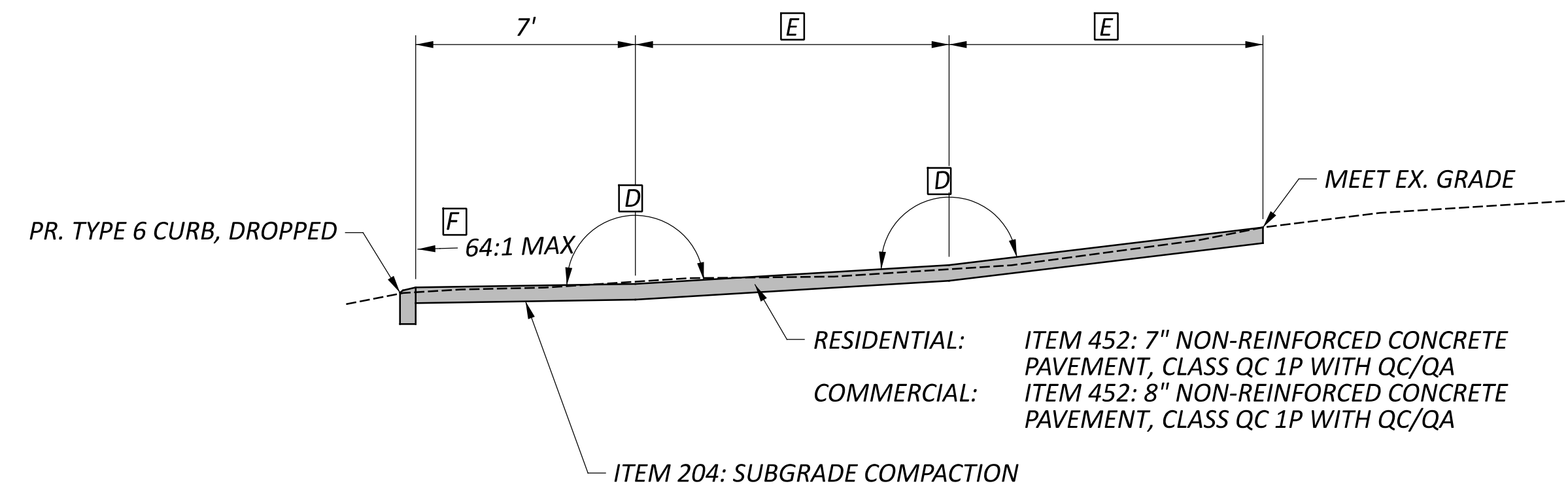
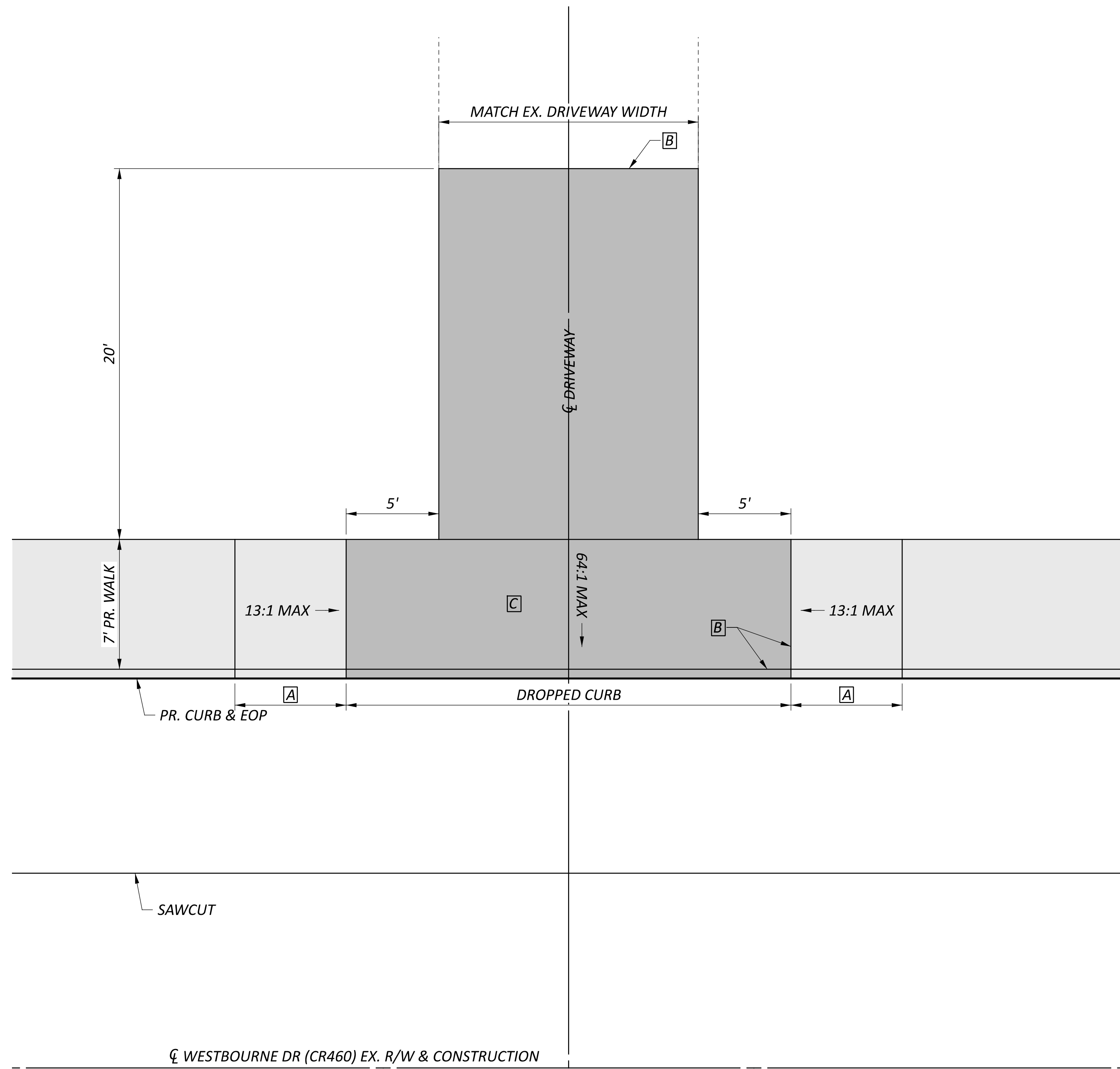
PLAN PREPARED BY:  
 TEC ENGINEERING, INC.  
 7288 CENTRAL PARK BLVD.  
 MASON, OH 45040

DESIGNER  
 AJH

REVIEWER  
 KLL 03/19/26

PROJECT ID  
 116548

SHEET TOTAL  
 01 92



**TYPICAL DRIVEWAY PROFILE**

- D** 12% MAX SAG GRADE BREAK PER ODOT FIGURE 803-2  
8% MAX CREST GRADE BREAK PER ODOT FIGURE 803-2
- E** 10' FOR SAG VERTICAL CURVES  
5' FOR CREST VERTICAL CURVES
- F** SEE DRIVEWAY PROFILES FOR 5429 WERK RD AND 3104 WESTBOURNE DR

**TYPICAL DRIVEWAY DETAIL**

- A** TRANSITION FROM FULL HEIGHT TYPE 6 CURB TO DROPPED CURB
- B** EXPANSION JOINT FILLER & SEALER TO BE PROVIDED AT BACK OF PROPOSED WALK FOR CONCRETE DRIVEWAYS AT EXISTING DRIVEWAYS WITH CONCRETE BASE AND ASPHALT OVERLAY
- C** RESIDENTIAL: ITEM 452: 7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P AND ITEM 204: SUBGRADE COMPACTION
- COMMERCIAL: ITEM 452: 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P AND ITEM 204: SUBGRADE COMPACTION

ITEM 452: 7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P AND ITEM 204: SUBGRADE COMPACTION

revised note

**ITEM 614 - MAINTAINING TRAFFIC**

THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ON WERK ROAD AND WESTBOURNE DRIVE THROUGHOUT THE ENTIRETY OF THE PROJECT. IT IS THE INTENTION TO PERFORM THE REQUIRED WORK WITH THE LEAST INCONVENIENCE TO, AND THE MAXIMUM SAFETY OF, THE CONTRACTOR AND TRAVELING PUBLIC. ANY VARIANCES FROM THE INTENT OF THESE MAINTENANCE OF TRAFFIC NOTES MUST BE APPROVED IN ADVANCE IN WRITING BY THE ENGINEER.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC WHILE PERFORMING ROADWAY WIDENING. THE WIDENING SECTION SHALL BE PROTECTED FROM THE TRAVELING PUBLIC BY THE USE OF DRUMS. ANY SIGNAGE, PAVEMENT MARKINGS AND SIGNALIZATION MUST PRESENT A CLEAR MESSAGE TO THE DRIVER. ANY CONFLICTING TRAFFIC CONTROL ITEMS MUST BE REMOVED OR MODIFIED. SIGNAL HEAD PLACEMENT SHOULD BE ADJUSTED DURING THE CONSTRUCTION PHASES, IF NEEDED, TO PROVIDE CLEAR SIGNALIZATION TO THE DRIVER.

A MINIMUM OF 1 LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR THE COMPLETED PAVEMENT.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN DRIVEWAY AND SIDE STREET TRAFFIC THROUGH THE AREAS UNDER CONSTRUCTION. THE CONTRACTOR WILL BE PERMITTED TO CLOSE PAVED AREAS TO TRAFFIC FOR A MINIMUM PERIOD OF TIME, CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR THE PROTECTION OF COMPLETED ASPHALT CONCRETE PAVEMENT. THIS MAY REQUIRE THE CONTRACTOR TO UNDERTAKE SUCH MEASURES SUCH AS PART-WIDTH CONSTRUCTION OR THE PLACEMENT OF TEMPORARY MATERIAL TO MAINTAIN DRIVE ACCESS.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR 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.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	≤ 12 HOURS	2 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**PLACEMENT OF ASPHALT CONCRETE**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES. DURING SHORT PERIODS OF ONE-WAY TRAFFIC, FLAGGING IS PERMITTED.

**TRENCH FOR WIDENING**

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

**OVERNIGHT TRENCH CLOSING**

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 12 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. 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 CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

revised note

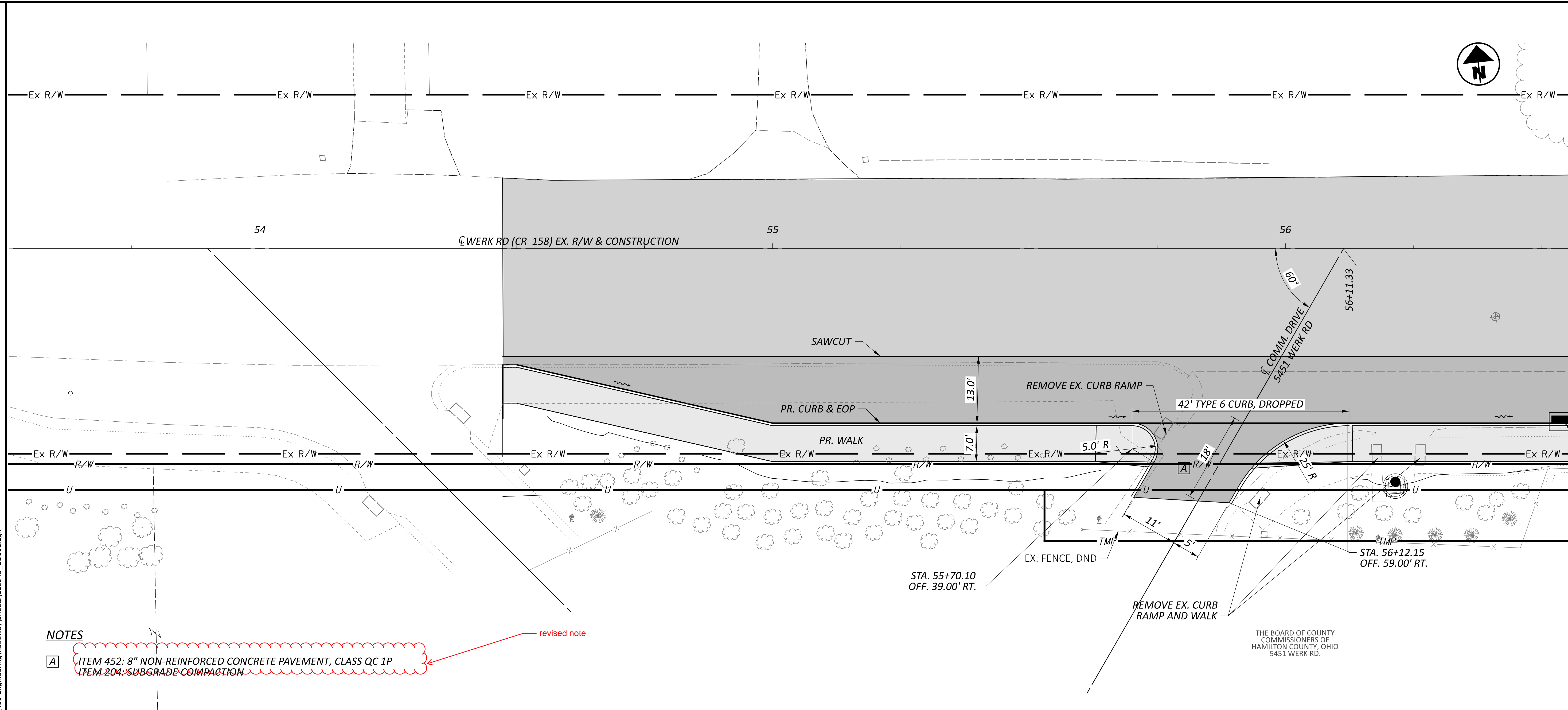
**DRUM REQUIREMENTS**

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

**MAINTENANCE OF TRAFFIC SUB-SUMMARY**

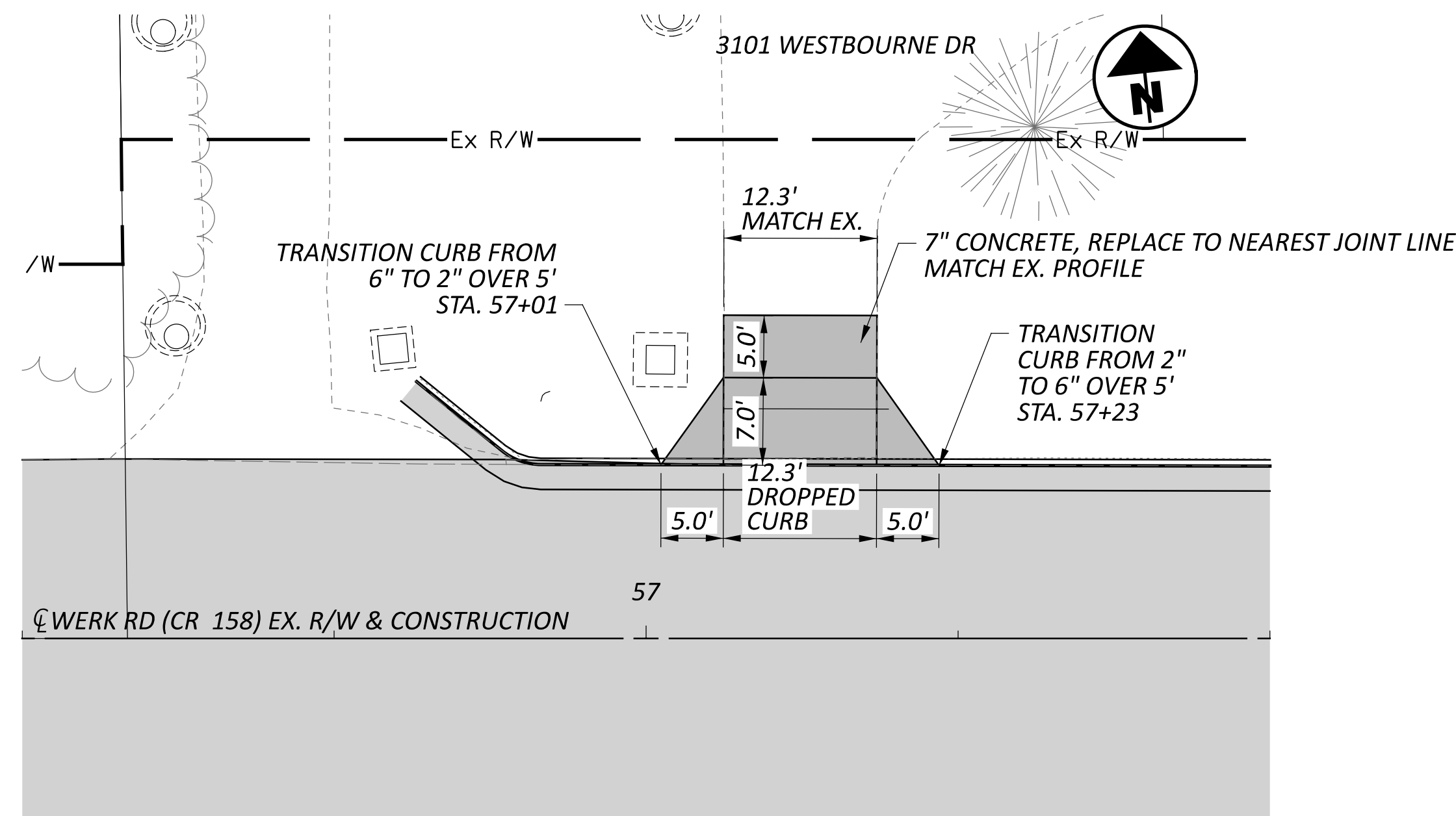
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION
614	21100	1.11	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT
614	22000	1.81	MILE	WORK ZONE EDGE LINE, CLASS I, 4", (WHITE)
614	23200	7672	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT
614	26200	593	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT
614	27020	1701	FT	WORK ZONE CROSSWALK LINE, CLASS I, 24"
614	30200	129	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT
614	32700	72	SF	WORK ZONE ISLAND MARKING, CLASS I



**NOTES**

- [A] ITEM 452: 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- ITEM 204: SUBGRADE COMPACTION

revised note



**DRIVEWAY DETAILS  
 WERK RD (CR 158)**

DESIGN AGENCY	
<b>TEL</b>	
PLAN PREPARED BY: TEC Engineering, Inc. 7288 Central Parke Blvd. Mason, OH 45040	
DESIGNER	AJH
REVIEWER	KLL
PROJECT ID	03/19/26
SHEET	116548
TOTAL	54
	92

# GENERAL PROVISIONS

The Contractor is advised that there are several changes to the most recent edition of the City of Cincinnati Supplement dated January 1, 2023. These General Provisions include these changes. The Supplement and a Summary of Changes can be purchased or downloaded from the City's website: <http://www.cincinnati-oh.gov/dots/assets/Files/2023%20CITY%20SUPPLEMENT-FINAL.pdf>

Water main items are to be constructed in accordance with the provisions of the State of Ohio, Department of Transportation, Construction and Material Specifications, dated January 1, 2023, and modified by the City of Cincinnati Supplement to said State of Ohio Specifications, effective January 1, 2023, and any supplements or changes thereto. Copies of the State specifications are on file at the Office of Contract Sales of the State of Ohio, Department of Transportation, 25 South Front Street, Columbus, Ohio, and at the offices of the City Engineer of Cincinnati, Ohio. Submittal of a bid for this project implies that the Contractor has taken all provisions of the Supplement into account.

The Contractor is advised that he has certain responsibilities under Section 153.64 of The Ohio Revised Code. For all underground utilities, contact the Ohio Utilities Protection Service at 1-800-362-2764 (toll free) 48 hours in advance of work. The Contractor is advised that all utility information has been shown on the contract plans from information provided by the owner of each utility in compliance with Sec. 153.64 of the Ohio Revised Code. In cases where utility information is incorrect and it results in a change in the contract plans the Contractor shall first notify the owner of the utility to determine the necessary course of action. The Contractor shall submit any subsequent claims as a result of downtime or additional work to the owner of the conflicting utility. The GCWW will not accept claims for any utility other than those as a result of incorrect water main and related appurtenance information.

The Contractor must locate or "pot hole" all utilities within the alignment of the proposed main a minimum of 50 feet ahead of pipe laying. Test holes must be dug, or trench excavated, a minimum of 50 feet (15.2 m) in advance of pipe laying, to assure proper clearance between the water main and any utility crossing, or underground structure. All utilities and structures shall be suitably braced and supported. The Contractor shall understand that any obstructions encountered in the installation of the main, due to the failure of having 50 feet (15.2m) of trench excavated ahead of laying operations, may require removal and relaying of the pipe at the contractors expense. The GCWW will not accept a claim for different utility conditions encountered when test holes are not performed as required.

Item 1120, "Exploratory Excavation", shall not include excavations within the limits of the proposed trench as defined in 1101.04 and 1101.05. Test holes are required on all utilities within 50 feet of the last laid pipe. Test holes within the alignment of the proposed trench are included in the Contractor's unit bid for Item 1101. Locations to be explored will vary from areas within the roadway to areas outside of the roadway.

If it is the nature of construction that unmarked utilities or utilities not shown on the plans may be encountered within the excavation for the proposed work, the contractor is responsible to identify and remove any abandoned utilities encountered in the excavation, unless otherwise noted on the plans, no extra payment will be made for up to 10" diameter, width or depth utilities, to the contractor for the identification and removal of the abandon utility. All costs shall be included in the contractor's unit price bid for the appropriate item 1101, "Laying ductile iron pipe and fittings".

Street pavement or sidewalk should not be disturbed for a distance of more than 200 Feet (61.0 m) ahead of the last laid pipe. Backfill shall be completed within 50 feet (15.2 m) of the last laid pipe. Temporary or permanent surface restoration must be installed within a distance of 200 feet (61.0 m) of the laid pipe, including those areas where main installations occur within a closed lane or closed street condition. Roadway plates may be used as a temporary measure for a period not to exceed 24 hours without the approval of the GCWW.

Any undermined pavement of more than 6 inches horizontal must be removed prior to starting trench backfill. If undermining of pavement occurs more than 1 foot, then pavement must be shored to protect traffic, or arrangements made for additional lane closures must be made. If problems continue to occur regarding trenching integrity, sheeting and bracing can be required by the City Engineer or the City Engineer's representative. If any tunneling is necessary, adequate information shown in both plan and profile and tunneling procedures must be submitted to the City Engineer's Office prior to commencement of work.

The GCWW has made every effort to depict the pipe sewers and lateral information on the plans. The Contractor is advised that sewer laterals are shown in plan view only. The Contractor shall determine the elevation of the sewer laterals in advance of laying the water main at these crossings. If the sewer laterals require changing in order to avoid conflict with the water main, or if the Contractor encounters a pipe sewer or lateral in the excavation that was not shown on the plans and requires a change of grade or alignment due to the installation of the water main, the Contractor shall furnish all necessary labor, material, tools, and equipment required to change the grade or alignment of pipe sewers and laterals of various sizes, allowing installation of water mains and appurtenances as shown on the plans, or as directed by the GCWW Inspector. This work shall include all necessary excavation, backfill, and restoration. The Contractor will be compensated under Item 1123, "Changing Pipe Sewers 8 Inch and Under". When crossing sanitary and combination sewers, a vertical clearance of 18" must be maintained.

## Notice of Confidentiality – Public Infrastructure Record

This Document is a Public Infrastructure Record of the City of Cincinnati and its Greater Cincinnati Water Works, and is not subject to the public disclosure requirements of the public records laws of the State of Ohio and federal government. This Document is being provided on the basis of your reported need, and shall be considered confidential. By accepting this Document, you agree that it will not be shared or otherwise disclosed to anyone other than persons who have a direct need to know for the sole purpose of carrying out the project for which this Document was obtained. Anyone receiving this Document is bound by the same confidentiality requirements and must take precautions to protect against its dissemination.

The failure to observe the confidentiality requirements of this Notice shall serve as the basis for the City of Cincinnati to immediately seek legal recourse, including the recovery of actual damages resulting from unauthorized access or disclosure of the Document.

1-800-362-2764



Call Before You Dig

The Contractor is advised that due to the alignment of the proposed water main, it may be necessary to install a temporary valve box over an existing chambered valve that must remain in service during the water main installation as directed by the GCWW Inspector. The chamber shall be abandoned, a valve box (furnished by the contractor) placed over the valve, and upon project completion, the valve box must be removed. The contractor will not receive additional compensation for this work, but should include the cost of this work in his unit bid price for Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings".

It is the Contractor's responsibility to provide adequate water supply for domestic and fire fighting purposes. In order to accomplish the water main connections with a minimum amount of inconvenience to the consumers, it may be necessary to do the work at other than normal working hours or as may be scheduled by the GCWW.

The Contractor is advised that the operating pressure of the existing water main within the limits of the subject project is approximately **80-95 P.S.I.**

In order to minimize the inconvenience of the consumers, the number of shutdowns required to do the proposed water main work shall be limited. Only one shutdown, limited to 8 hours, will be allowed during a 24 hour period.

All water service branches have a minimum cover of 3.0 feet.

The Contractor is advised that it shall be necessary to install temporary Plug/caps on the existing and proposed water mains in order to maintain service during testing and water main and branch connections. These temporary Plug shall be furnished by the contractor. He is responsible for their proper installation. The cost for this work shall be included in the Contractor's unit bid price for the appropriate Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings".

The Contractor is required to excavate and expose the existing utilities and existing water mains along the line of the proposed water main or all proposed connection points to verify location, diameter, line and grade. Also, if the removal of the bulkhead or plug is required all excavation and temporary/permanent restoration shall be compensated under the Contractor's unit bid price for Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings".

The Contractor is advised that all C.J. Plug are to be restrained with a Field Lok Gasket and all M.J. caps are to be restrained using a M.J.R.G.. This includes temporary Plug and caps for testing purposes. When a temporary plug is used, the contractor is permitted to remove the plug by cutting the section of pipe containing the plug and using a solid sleeve at that point to complete the tie-in. In the event that a cap is used, the contractor shall remove the M.J.R.G. and cap before completing the tie-in.

The Contractor is advised that on any fire hydrant required to be relocated with this project, all bolt assemblies shall be replaced. The cost for this work shall be included in the unit bid price for Item 1113 "Relocating Existing Fire Hydrants". No part of any fire hydrant setting shall be installed closer than five feet to any driveway, inlet, utility pole or guy wire anchor.

Item 1111, "Water Works Valve Chambers", shall also cover the furnishing and installing of Precast Reinforced Concrete Chambers in accordance with O.D.O.T. Specification 706.13. All pertinent provisions of this item and GCWW Standard Drawing No. 104-1A shall apply. Precast chambers shall be used in all locations where space permits and as directed by the GCWW.

Air cocks may be necessary for the proper operation of the water system. The Air Release Assembly, which may not be shown on the drawing, will be furnished and installed by the Contractor per the detail on these plans, if required by the GCWW.

It shall be the Contractor's responsibility to arrange for the removal and replacement of any poles and guys necessary for the installation of the proposed water mains, and any cost connected thereto shall be at his expense.

All pipe and specials shall be in accordance with City of Cincinnati Specification 40-110-16.

All procured water main and appurtenance materials, other than those furnished through the GCWW must be properly certified; certified for GCWW Inspection; or already inspected by the GCWW. Pipe, fittings, valves and fire hydrants must be GCWW inspected and stamped materials.

The Contractor should be advised that all Fittings (Bends, Offset Bends, Tees, Crosses, Sleeves, Caps and Plug) supplied for this job may be either ANSI/AWWA C-110 Full-body Ductile Iron, Cement Lined Fittings or ANSI/AWWA C-153 Compact Ductile Iron, Fusion Bonded Epoxy Coated Fittings in accordance with City of Cincinnati, Department of Purchasing, Standard Specification No. 40-110-12 for Pipe and Fittings Water, Ductile Iron 3" to 60". All fittings are subject to inspection and approval by appropriate GCWW Inspection personnel. Minor pinholes and abrasions to epoxy coated valves and fittings are to be repaired using 3M Hot Melt Patch Compounds (H.M.P.C.) in the stick form. Repair procedures shall be in accordance with the General Application Steps identified for the H.M.P.C. All repairs to epoxy coated fittings are subject to inspection and approval by appropriate GCWW Inspection personnel.

All rejected material, including pipe and fittings, shall be removed from the project site immediately.

The Contractor must maintain access to sidewalks at all times. Storage of any materials within the public Right of Way, including sidewalks, is not permitted unless approved by GCWW, the Project Engineer, or as indicated on the approved plans.

All copper tubing shall be type "K" of a standard nominal size: 3/4", 1", 1-1/2" and 2". All fittings will have copper flare type connections and shall be in accordance with City of Cincinnati Specification No. 40-113-05.

The contractor shall furnish the necessary certifications for branch material.

All proposed water mains will be hydrostatically tested for leakage in accordance with 1101.054, "Hydrostatic Test for Leakage", of the appropriate Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings".

The Contractor will be responsible for filling, flushing, and pressure testing new water mains, 20" or smaller. The contractor will provide all labor, material and equipment (including the necessary pumps to apply the pressure test). The Water Works will provide the necessary meter and gauge. All costs for this work shall be included in the contractor's unit bid price for Item 1101, "Furnishing & Laying Ductile Iron Pipe and Fittings". Once the filling and pressure testing are completed, the Contractor will be responsible for flushing the proposed water main and the GCWW will be responsible for bacteria sampling. The GCWW will be responsible for filling, pressure testing and flushing new water mains greater than 20".

The Contractor is responsible for all pipe sewers disturbed in the completion of this project. In the event it becomes necessary to repair or replace existing pipe sewers, the Contractor must notify Sewer Maintenance, (513)244-1369, before proceeding with the work.

The Contractor is advised that his unit bid prices for the appropriate Item 1101, "Furnish & Install Pipe and Fittings", includes final restoration of all disturbed surfaces. The GCWW will not make full compensation under Item 1101 until final restoration is complete.

\*All valve and air release box assemblies shall be domestically manufactured.

All box assemblies for 12-inch and smaller gate valves and 1-inch air releases shall be either Tyler Union Series 6850, EJ Series 8500, or Bingham & Taylor Series 4905, or GCWW approved equal. Box assemblies for these applications require a frost plug and "BOXLOK."

All box assemblies for 16-inch and above butterfly or gate valves and 2-inch air releases shall be EJ Series 460, or GCWW approved equal. Box assemblies for these applications require a frost plug.

All costs associated with adherence to these requirements shall be included in the Contractor's unit bid price for Item 1116 - Furnishing and Installing Valve Box Complete.

# SUGGESTED BILL OF MATERIAL

## FURNISHED BY CONTRACTOR

4	EACH	6" Ductile Iron Pipe, C.J. Th. Cl. 55, 20' Lengths
63	EACH	8" Ductile Iron Pipe, C.J. Th. Cl. 55, 20' Lengths
5	EACH	Polyethylene Flattened Tube, 4 Mil Thickness Cross-Laminate 16" Wide x 20' Long
70	EACH	Polyethylene Flattened Tube, 4 Mil Thickness Cross-Laminate 20" Wide x 20' Long
9	EACH	Rolls Polyethylene Tape w/Adhesive 1 1/2" Width, 100' Length
32	EACH	8" 45' Bend, 2MJ
1	EACH	8" 90' Bend, 2MJ
5	EACH	8" Cap, MJ (Temporary)
1	EACH	10" Solid Sleeve, DP
3	EACH	8" Solid Sleeve, 2MJ
3	EACH	8" x 6" Tee, 2MJ x Fig.
1	EACH	8" x 8" Tee, 3MJ
1	EACH	8" x 8" Cross, 4MJ
1	EACH	10" x 8" Reducer, PE x MJ
3	EACH	6" Valve, Fig. x MJ
6	EACH	8" Valve, 2MJ
3	EACH	6" Flange Tyte Rubber Gasket
9	EACH	Valve Box Complete
9	EACH	Valve Box Frost Plug
9	EACH	Valve Box Box Lok
2	EACH	6" Fire Hydrant Extension (6" Long)
1	EACH	6" Fire Hydrant Extension (18" Long)
6	EACH	6" M.J.R.G.
108	EACH	8" M.J.R.G.
1	EACH	6" Field Lok Gasket
19	EACH	8" Field Lok Gasket

## AIR RELEASE MATERIAL

(FURNISHED BY CONTRACTOR)

8	EACH	Valve Box Complete
8	EACH	Valve Box Frost Plug
8	EACH	1" Ferrule
32	LIN. FT.	1" Copper Service Pipe
8	EACH	1" Blow Off Ball Valve Assembly

## FURNISHED BY GREEN TOWNSHIP

3	EACH	6" Fire Hydrants
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## SERVICE BRANCH MATERIAL

(FURNISHED BY CONTRACTOR)

256	LIN FT	3/4" Copper Service Pipe (w/Aquashield)
134	LIN FT	1" Copper Service Pipe (w/Aquashield)
9	EACH	3/4" Ferrule
5	EACH	1" Ferrule
9	EACH	3/4" Insulating Coupling
5	EACH	1" Insulating Coupling
9	EACH	3/4" Stop Cock
5	EACH	1" Stop Cock
14	EACH	Curb Box

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\*\*\*Note: Contractor shall verify the size and material of each service branch at the property line prior to installing branch. Cost for this work to be included in Item 1126--Furnishing and Installing Copper Service Pipe w/ Aqua Shield".

The materials listed are only suggested for use during the water main and branch relocation work as proposed on the drawings. The contractor shall furnish additional material where needed. No allowance will be made for unused material nor will any extra payment be made for additional specials required to complete the water main work. Before ordering material the contractor is responsible for making his own field measurements and for field verifying the O.D. of existing water mains where sleeves and pipe couplings are involved.

Note 1:  
Valves furnished by the contractor shall be; American Resilient Wedge Gate Valve Series 2500, U.S. Pipe Metroseal Gate Valve, Kennedy Valve Ken Seal II Resilient Gate Valve, Clow F-6100 Series Resilient Wedge Gate Valve, Mueller 2360 Resilient Wedge Gate Valve.

Note 2:  
Low-Lead Brass Material Requirements:  
All components in contact with water shall be fabricated from Sebiloy II or Federalloy I-836 alloys or a material approved by the Engineer. All components that do not come in contact with water shall comply with the requirements of ASTM B 62 Copper Alloy Number. Coated or washed metals are not acceptable if their lead levels exceed .25% by weight prior to the coating or washing process. All service fittings and materials shall be certified as suitable for contact with drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 61, Drinking Water Systems Components - Health Effects. All service fittings shall either be stamped or embossed with the letter "NL", to indicate "No-Lead", or marked to indicate that the product is manufactured from the low-lead alloys.

Note 3:  
Special Note on Service Pipe in Corrosive Soils:  
Service tubing is to be soft K Copper manufactured to the requirements of ASTM B88. Service tubing coating shall have NOVA Polyethylene LLDPE extrusion resin PP-0118-F coating to meet minimum of .026 mil thickness containing UV inhibitors. Service tubing shall have identification & traceability on both copper & plastic continuously line--marked with tube contents, ASTM specification, size, & descending footage. Unique lot number printed on both copper & plastic allowing product to be traced back to origin and time of manufacturing. Service tubing shall be Aqua Shield as manufactured by KAMCO Products Inc. or approved equal.

Note 4:  
Mechanical Joint Restrain Gland (MJRG):  
All mechanical joint restraint glands furnished by the contractor shall be any of the following:  
EBAA--Megalug  
TYLER/UNION--Tufgrip  
STAR--Stargrip  
FORD--Uni-Flange Series 1400

All products shall be domestically manufactured.

HAM CR 158-460 WERK RD. AND WESTBOURNE DR. STIMP

APPROVED: WW004354 / 4-4127 / MF-16954

*Frederick J. Riess* 12/05/2024  
GCWW SUPERVISING ENGINEER - DESIGN DATE

*Matthew Smith* 12-06-24  
GCWW PRINCIPAL ENGINEER - SYSTEM FACILITIES DATE

*Matthew Smith* 12-06-24  
GCWW CHIEF ENGINEER FOR H.P. DATE

**OhioEPA** Ohio Environmental Protection Agency "Self-Certification" letter required prior to the start of construction.

OEPA CERTIFICATION EXEMPT *Frederick J. Riess* 12/05/2024  
 NON - EXEMPT  
OEPS REVIEW DATE

4-4127  
WW004354  
MF-16954

GREATER CINCINNATI WATER WORKS  
ENGINEERING DIVISION/DESIGN SECTION  
3815 EASTERN AVENUE, CINCINNATI, OHIO 45226

3/20/26 Revised General Provisions

REVISIONS

CALCULATED

E.G.B.

CHECKED

P.R.

0 10 20 40  
HORIZONTAL AND VERTICAL SCALE IN FEET

SUGGESTED BILL OF MATERIAL  
G.C.W.W. SPECIAL PROVISIONS

01  
04

HAM CR 158-460 WERK RD. AND WESTBOURNE DR. STIMP