

AMBERLEY VILLAGE OFFICIALS

MAYOR
TOM MUETHING

VILLAGE CLERK
TAMMY REASONER

VILLAGE MANAGER
SCOT LAHRMER

VILLAGE COUNCIL MEMBERS
BEN HUNT (VICE MAYOR)

RICHARD BARDACH

BOB ROSEN

KEELY PAUL

JAY SHATZ

DARA WOOD

ZONING ADMINISTATOR
CHRIS FRITSCH



O.D.O.T SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO AND VILLAGE OF AMBERLEY ENGINEERING DEPARTMENT REQUIREMENTS SHALL GOVERN THIS IMPROVEMENT.

SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON CINCINNATI AREA GEOGRAPHIC INFORMATION SYSTEM (G.I.S.) MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY CT CONSULTANTS, INC.

VILLAGE OF AMBERLEY
HAMILTON COUNTY, OHIO
2025 RESURFACING
PROGRAM

242407



VICINITY MAP

SYMBOL LEGEND

- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER STRUCTURE
- EXISTING STORM CURB INLET
- EXISTING STORM CATCH BASIN
- EXISTING SANITARY MANHOLE
- EXISTING DRAINAGE MANHOLE
- EXISTING GAS VALVE
- EXISTING GAS BOX

INDEX OF SHEETS

TITLE SHEET.....	1
VICINITY MAP.....	2
GENERAL NOTES AND DETAILS.....	3-4
PLAN SHEETS	5-11
GCWW PLANS	12-21

HATCH LEGEND

- PAVEMENT PLANING AND OVERLAY
- PAVEMENT PLANING AND OVERLAY (GCWW PAYMENT PORTION)
- ITEM 252 - FULL DEPTH PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT (SEE DETAIL SHEET)
- ITEM 448 - ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, AS PER PLAN (SEE DETAIL SHEET)
- ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT (DRIVE APRON, 7" THICK) (SEE DETAIL SHEET)



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2025 RESURFACING PROGRAM VILLAGE OF AMBERLEY VILLAGE HAMILTON COUNTY, OHIO	TITLE SHEET
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PROJECT NO.	
242407	
DISCIPLINE	
CIVIL	
SHEET NAME	
TITLE	
SHEET	OF
1	11

FRANK W. TWEHUES

P.E. #81052

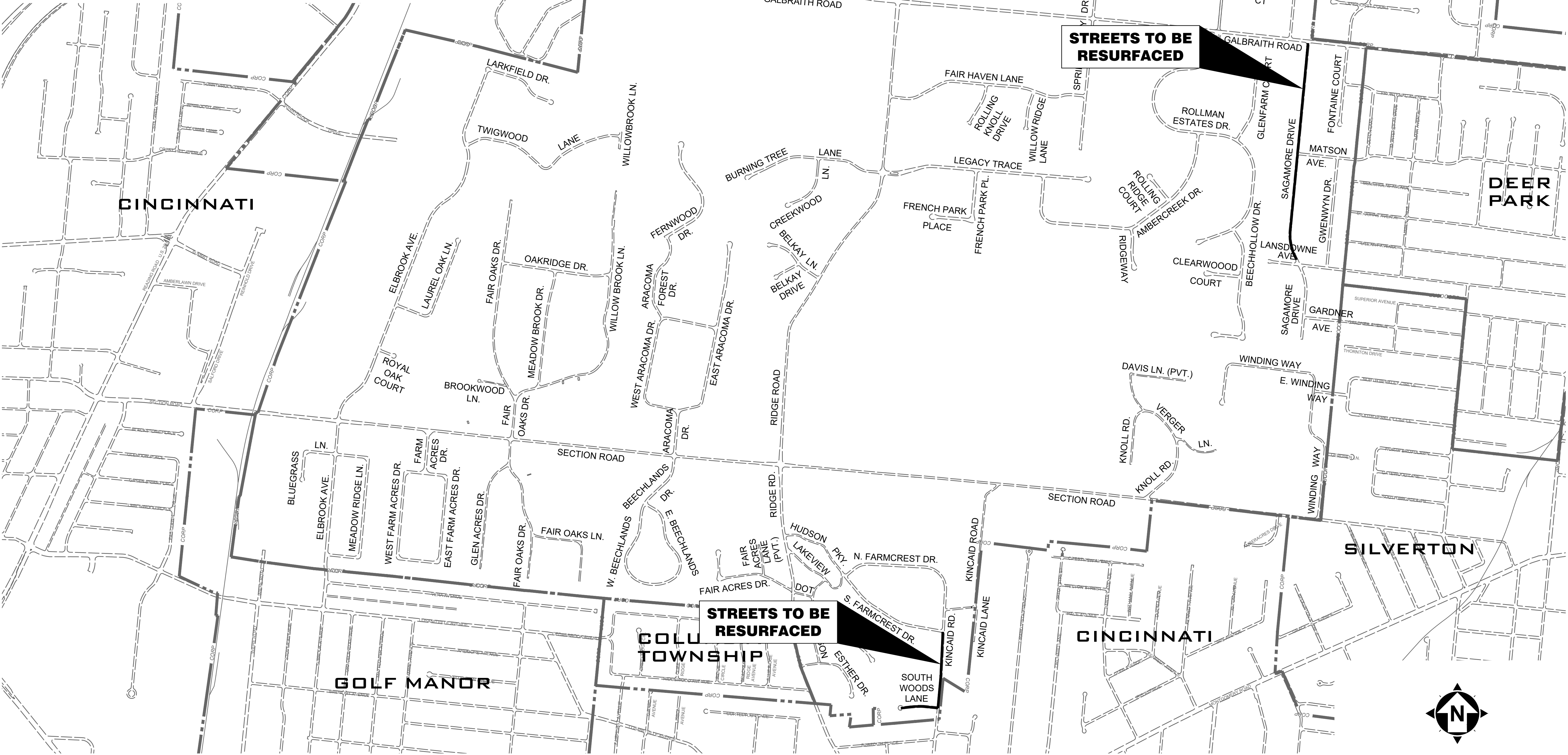
NOTE:

The Contractor is advised, in addition to all legal holidays, of the following holidays in Amberley Village may impact this project:

2025

Yom Hashoah	Wednesday April 23 - Thursday April 24
Yom Hazikaron	Tuesday, April 29 to Wednesday April 30
Yom Ha'Atzmaut	Wednesday, April 30 to Thursday May 1
Lag Ba'Omer	Thursday, May 15 to Friday, May 16
Yom Yerushalayim	Sunday, May 25 to Monday, May 26
Shavuot	Sunday, June 1 to Tuesday, June 3
Tisha B'Av	Saturday, August 2 to Sunday, August 3
Rosh Hashanah	Monday, September 22 to Wednesday, September 24
Eve of Yom Kippur	Wednesday, October 1
Yom Kippur	Thursday, October 2

There shall be no construction activity within Amberley Village at these times. All construction must be totally cleaned up for holidays; no materials, tools, or equipment stored, no trenches or excavation, no barricades, and no construction related tripping hazards. All curb and drive aprons that have been removed must be replaced three (3) days prior to a holiday.



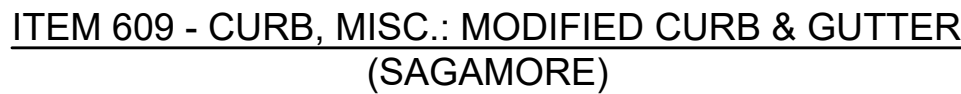
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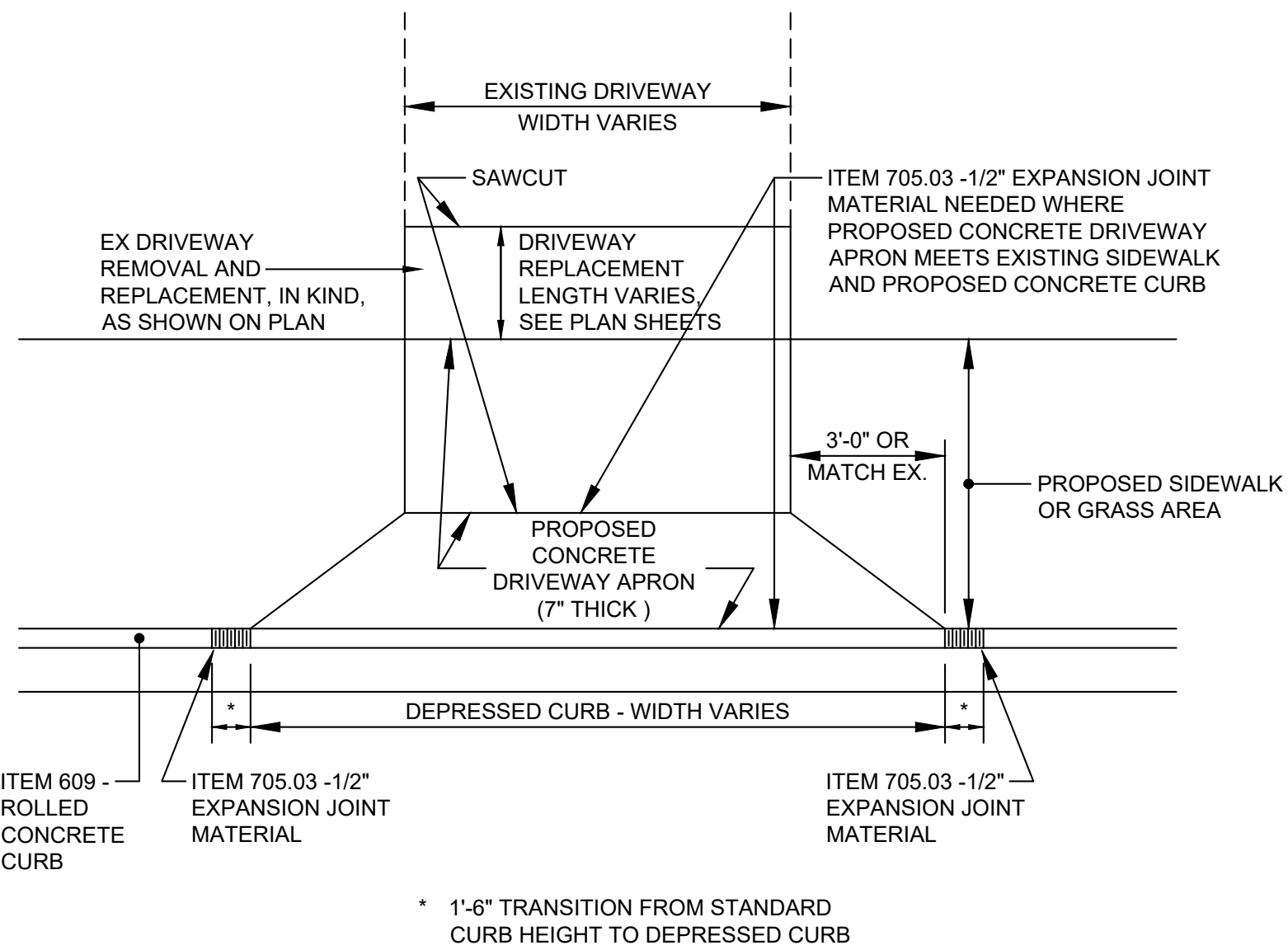
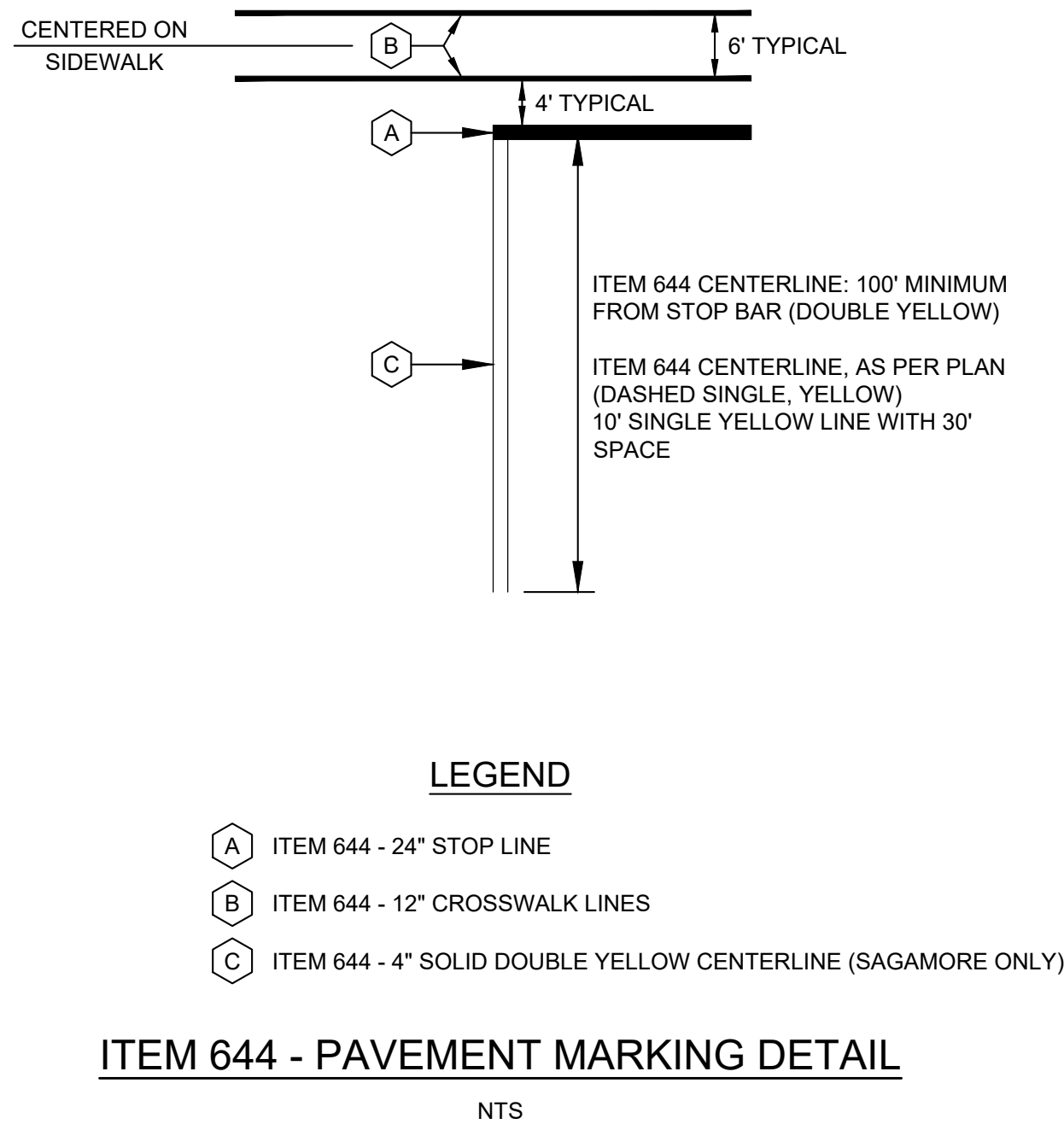
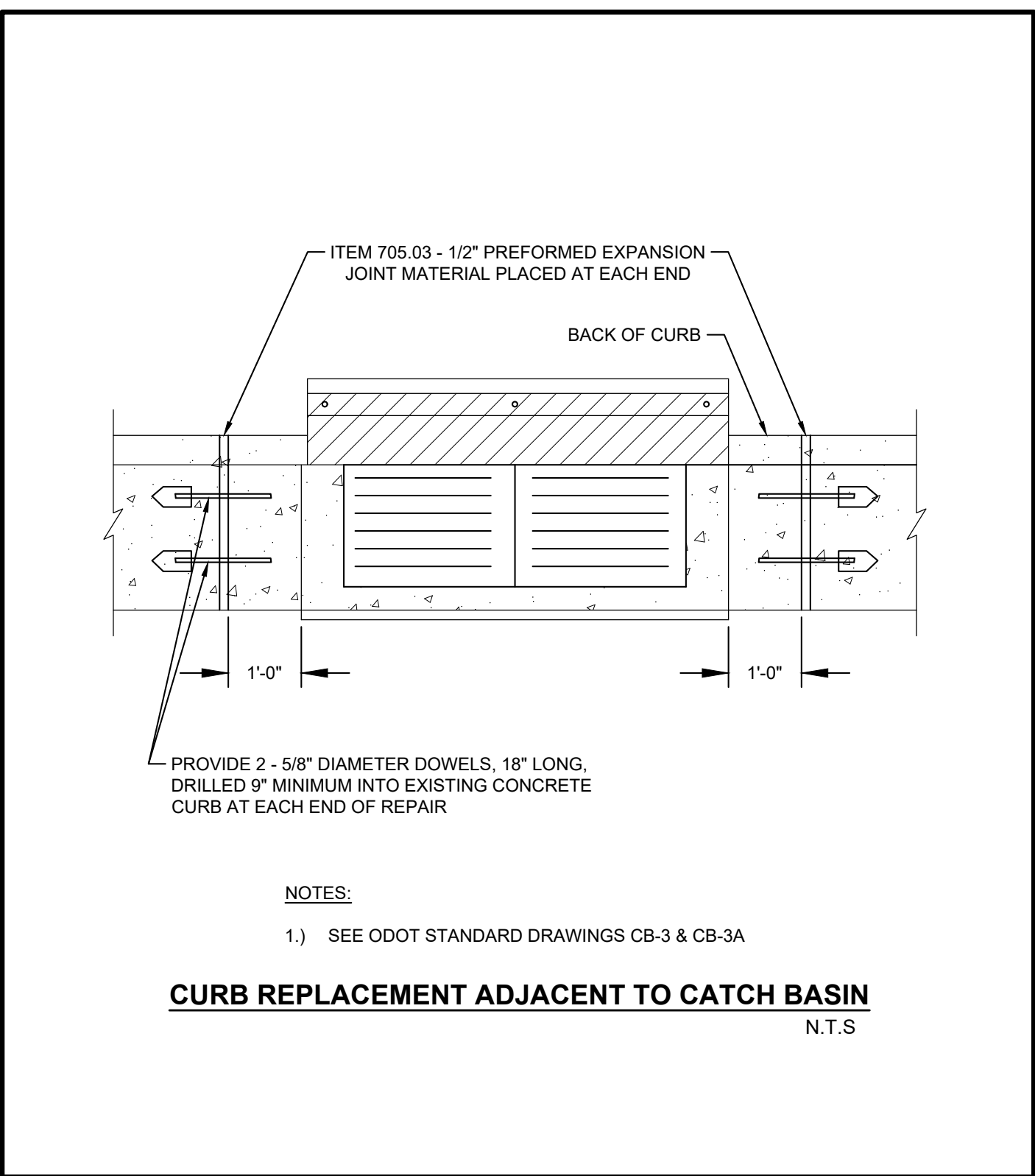
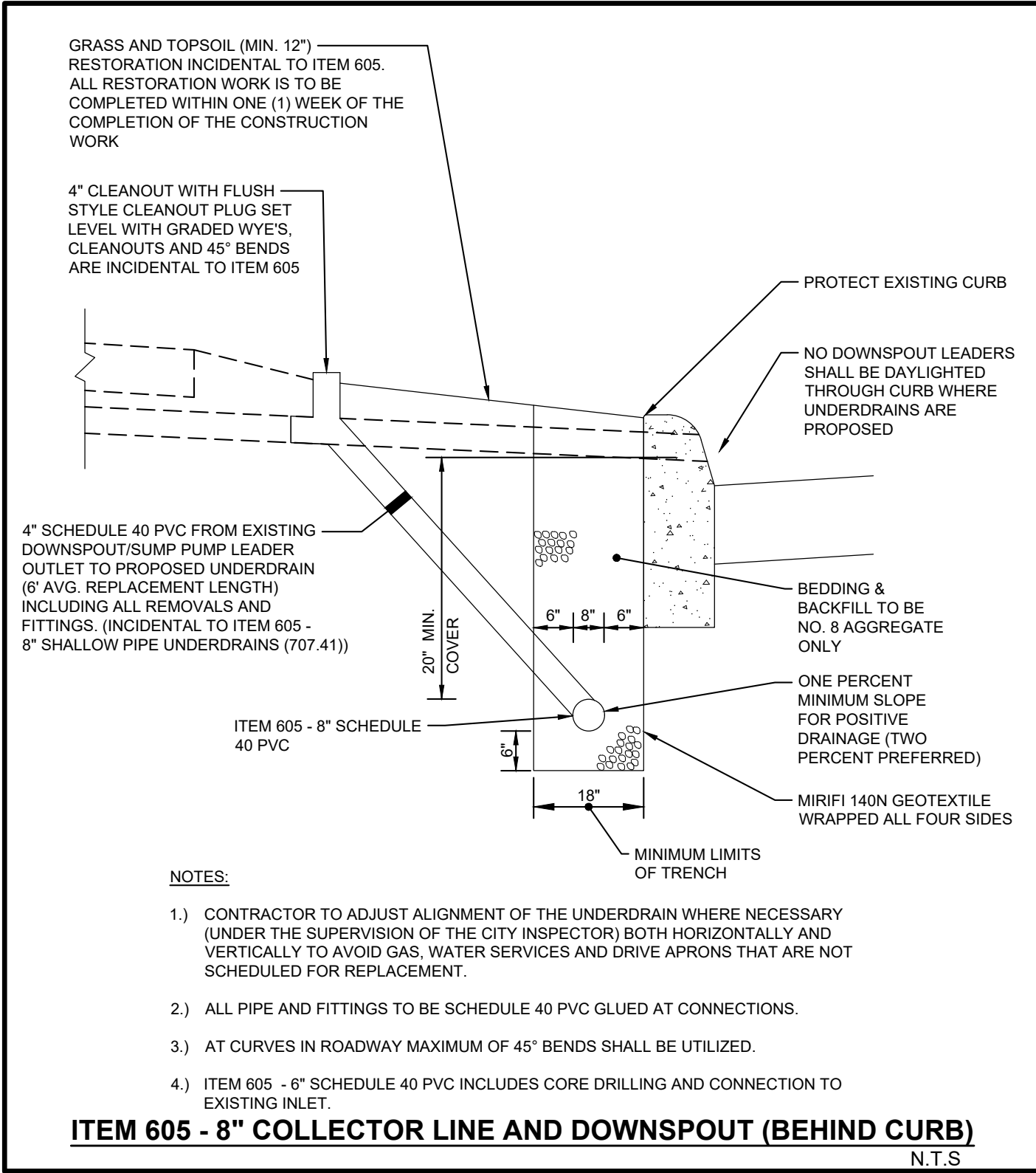
2025 RESURFACING PROGRAM VILLAGE OF AMBERLEY VILLAGE HAMILTON COUNTY, OHIO		VICINITY MAP	
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PROJECT NO. 242407	
DISCIPLINE CIVIL	
SHEET NAME VMAP	
SHEET 2	OF 11

1. ALL APPLICABLE RECOMMENDATIONS IN OHIO'S BEST MANAGEMENT PRACTICES MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.
2. THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS AND RIGHTS-OF-WAY SHOWN ON THESE PLANS UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER
3. ALL OSHA, STATE, AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
4. THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
5. FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OHIO UNDERGROUND PROTECTION.
6. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL HAMILTON COUNTY AND THE VILLAGE OF AMBERLEY PERMITS HAVE BEEN ISSUED AS REQUIRED.
7. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE VILLAGE OF AMBERLEY. LOCAL TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THESE PLANS. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN SANITARY SEWER AND STORM SEWER FLOW THROUGHOUT THE PROJECT, FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.
8. ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.
9. THE PROJECT MUST BE COMPLETED NO LATER THAN OCTOBER 31, 2024.

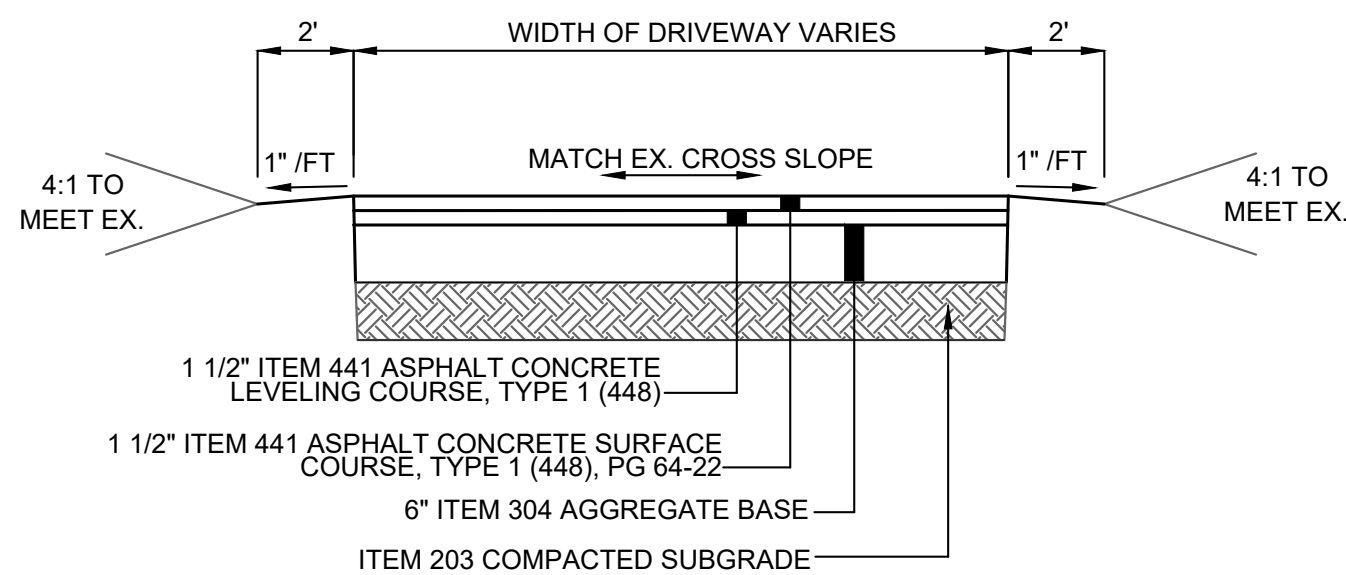
1. ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENT OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 614 OF ODOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT.
3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF AMBERLEY AND THE CINCINNATI POLICE DEPARTMENT PRIOR TO ANY CONSTRUCTION. EMERGENCY VEHICLES ACCESS SHALL BE MAINTAINED AT ALL TIMES.
4. RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.
5. ALL REQUIREMENTS OF THE ODOT ENCROACHMENT PERMIT TO BE FOLLOWED





ITEM 452 - (7") NON-REINFORCED CONCRETE PAVEMENT - DRIVEWAY APRON

NTS



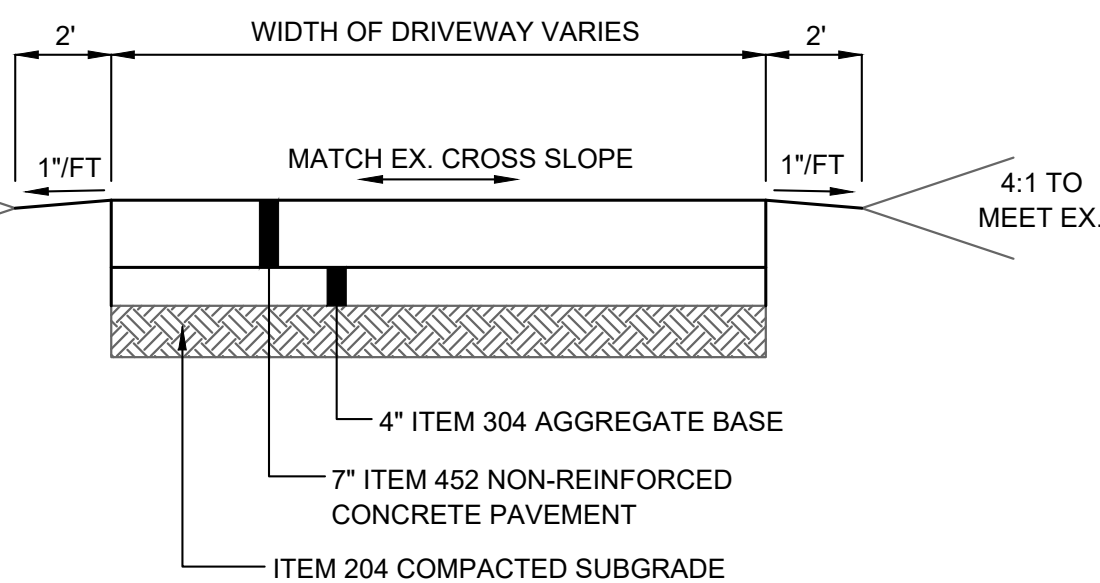
ASPHALT DRIVEWAY REPLACEMENT

NTS

ITEM 452, NON-REINFORCED CONCRETE PAVEMENT, MISC.; 7" PLAIN PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL & REPLACEMENT & ITEM 448, ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, AS PER PLAN

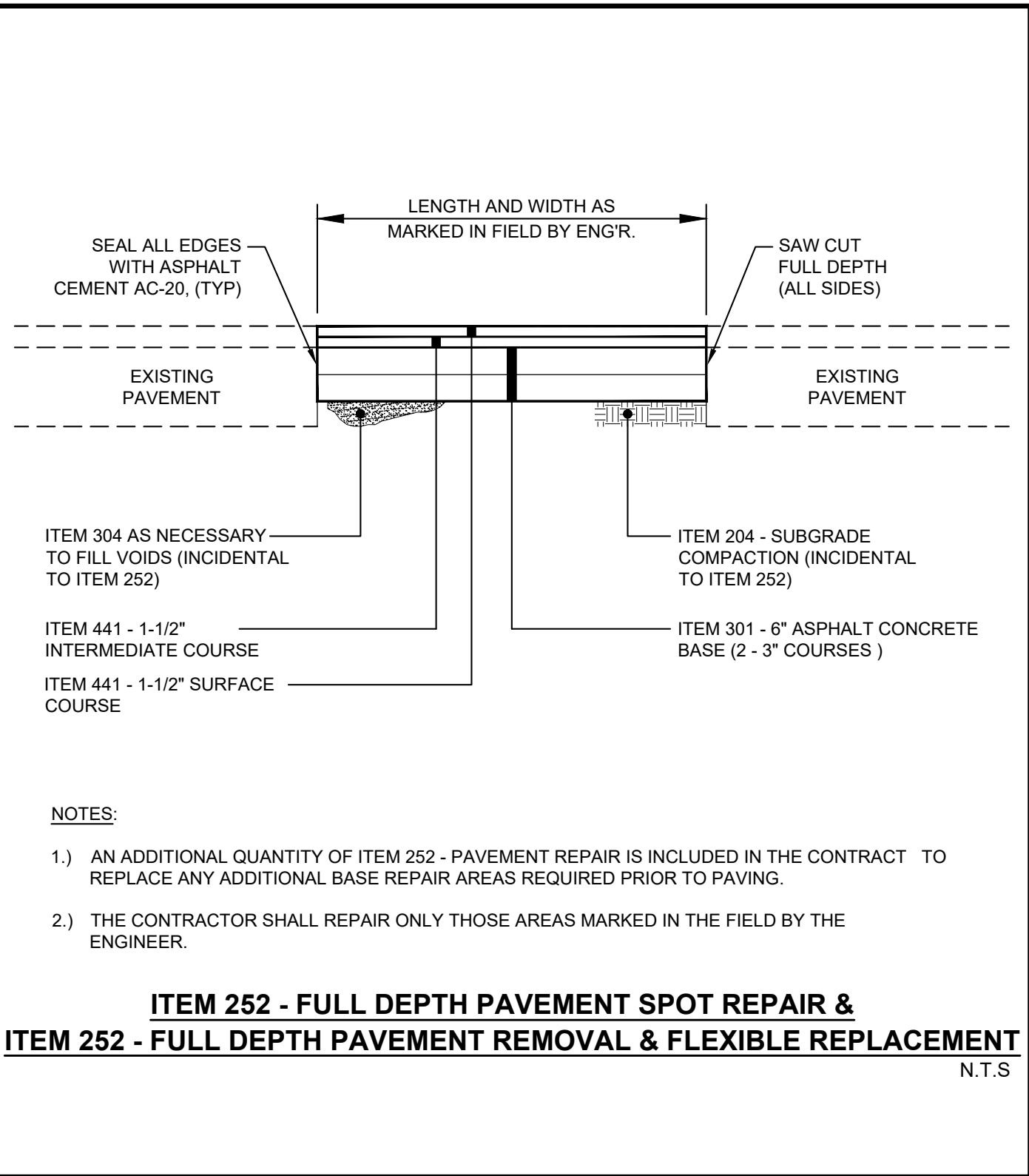
IN ADDITION TO THE SPECIFICATIONS PROVIDED IN THE BID BOOK, DETAILS PROVIDED ON THE DRIVEWAY SHEETS, THE FOLLOW SHALL APPLY:

1. THE ABOVE-NOTED BID ITEMS ARE ALL-INCLUSIVE COSTS FOR THE COMPLETE REMOVAL AND CONSTRUCTION OF THE DRIVEWAY SECTIONS AS NOTED IN THE PLANS.
2. THE INTENT IS FOR THE HORIZONTAL LOCATION TO MATCH THE EXISTING DRIVEWAY, UNLESS OTHERWISE NOTED. THE FINAL LOCATIONS, ETC., MAY BE REVIEWED BY THE ENGINEER WHO MAY ADJUST THE LOCATION AT THEIR DISCRETION.
3. CONCRETE SHALL BE CLASS QC MS.



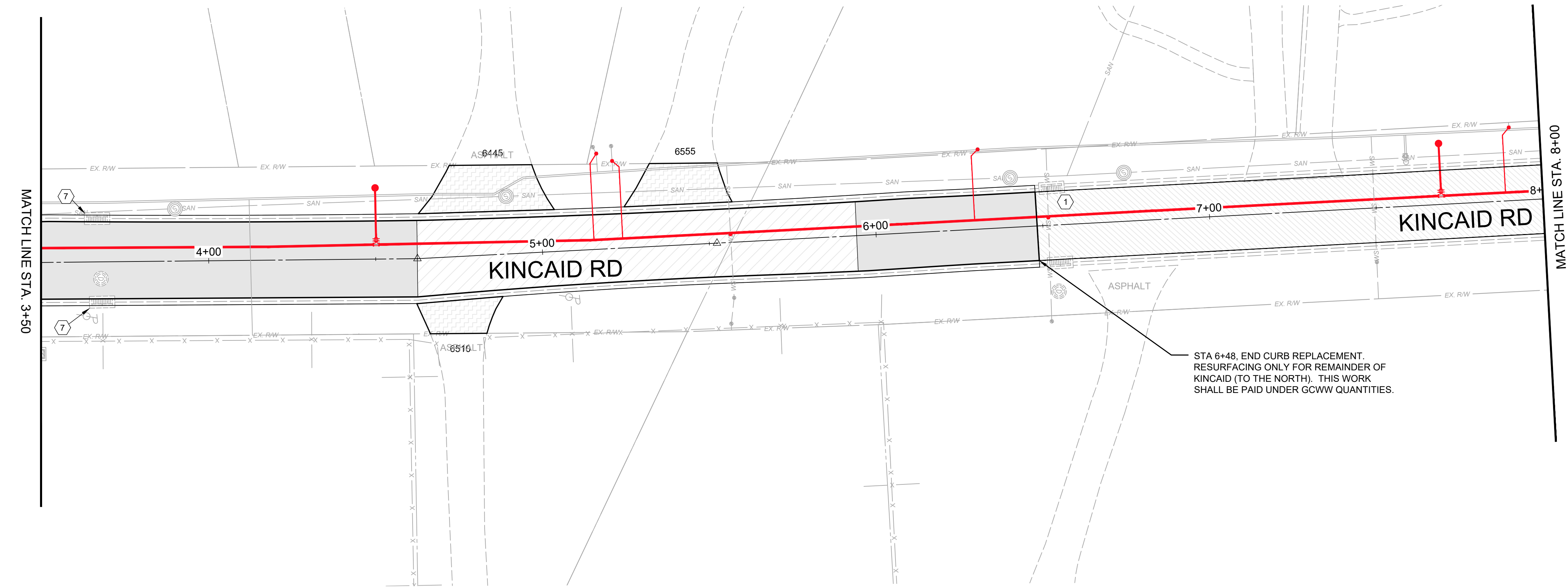
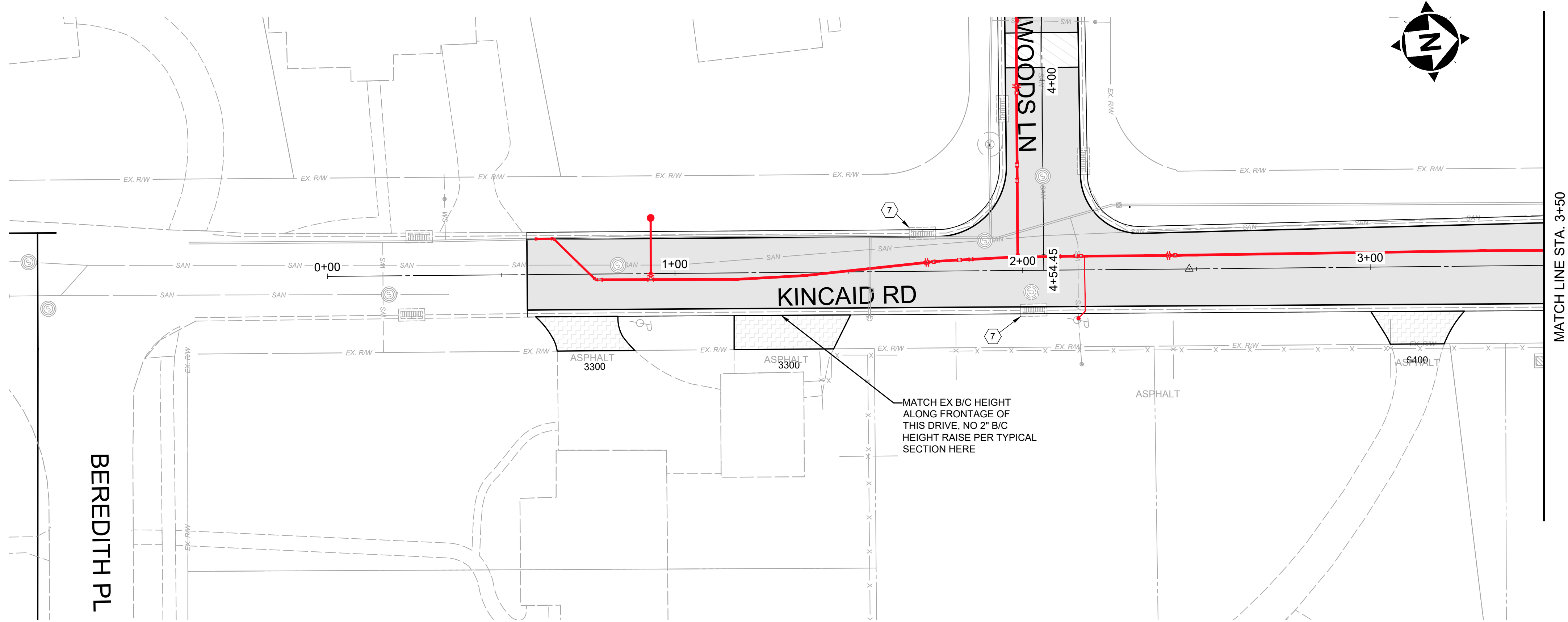
CONCRETE DRIVEWAY REPLACEMENT

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PROJECT NO.	242407
DISCIPLINE	CIVIL
SHEET NAME	DTL-02
SHEET	OF
4	11



HATCH LEGEND

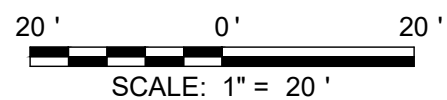
- PAVEMENT PLANING AND OVERLAY
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- PR WATERLINE (SEE GCWW PLANS)

NOTES

- THE FINAL FULL DEPTH REPAIR AREAS WILL BE MARKED WHEN THE PLANING OPERATIONS HAVE BEEN COMPLETED.
- ADJUSTMENTS TO VALVE BOXES, METERS OR OTHER ASSOCIATED GAS, ELECTRIC, TELEPHONE, WATER, OR CABLE FACILITIES, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE COMPLETED PER UTILITY OWNER REQUIREMENTS.
- CURB RAMPS SHOWN ARE REPRESENTATIVE IN NATURE, CONTRACTOR SHALL MODIFY AS NECESSARY IN THE FIELD TO MEET ADA GUIDELINE.

CONSTRUCTION NOTES

- ITEM 611 - INLET RECONSTRUCTED TO GRADE, D.G.I., REBUILD TOP 18" USING PRECAST TOP
- ITEM 611 - INLET RECONSTRUCTED TO GRADE, S.G.I., REBUILD TOP 18" USING PRECAST TOP
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- NOT USED
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- FURNISH NEW FRAME AND GRATE, D.G.I., TYPE "L" GRATE
- ITEM 605 - CONNECT EXISTING DOWNSPOUT TO NEW DOWNSPOUT COLLECTOR LINE, AS PER PLAN

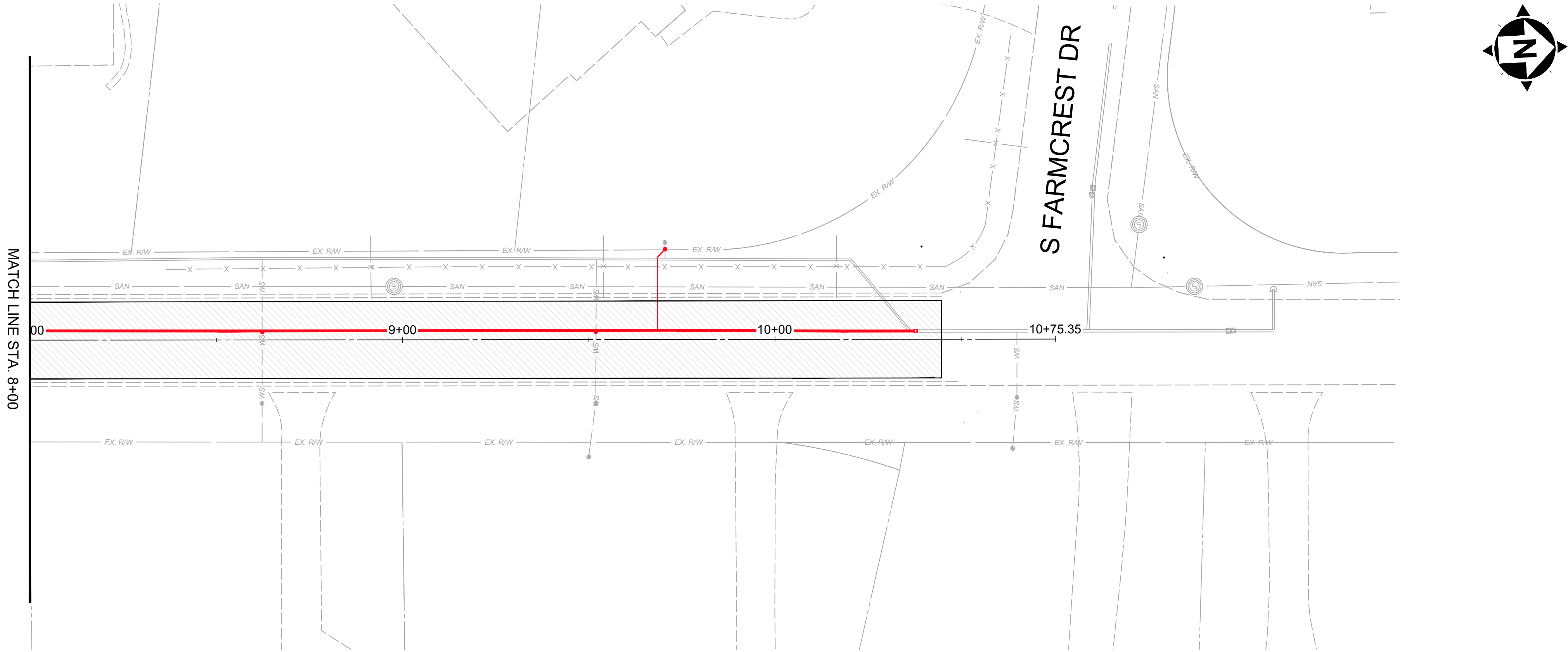


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2025 RESURFACING PROGRAM
VILLAGE OF AMBERLEY VILLAGE
HAMILTON COUNTY, OHIO

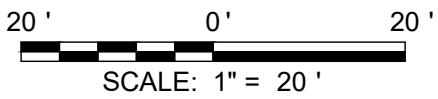
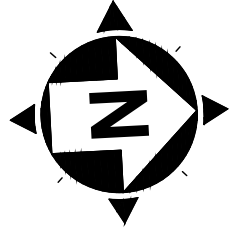
KINCAID ROAD

PROJECT NO.	242407
DISCIPLINE	CIVIL
SHEET NAME	C-1
SHEET	OF
5	11



MATCH LINE STA. 8+00

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HATCH LEGEND

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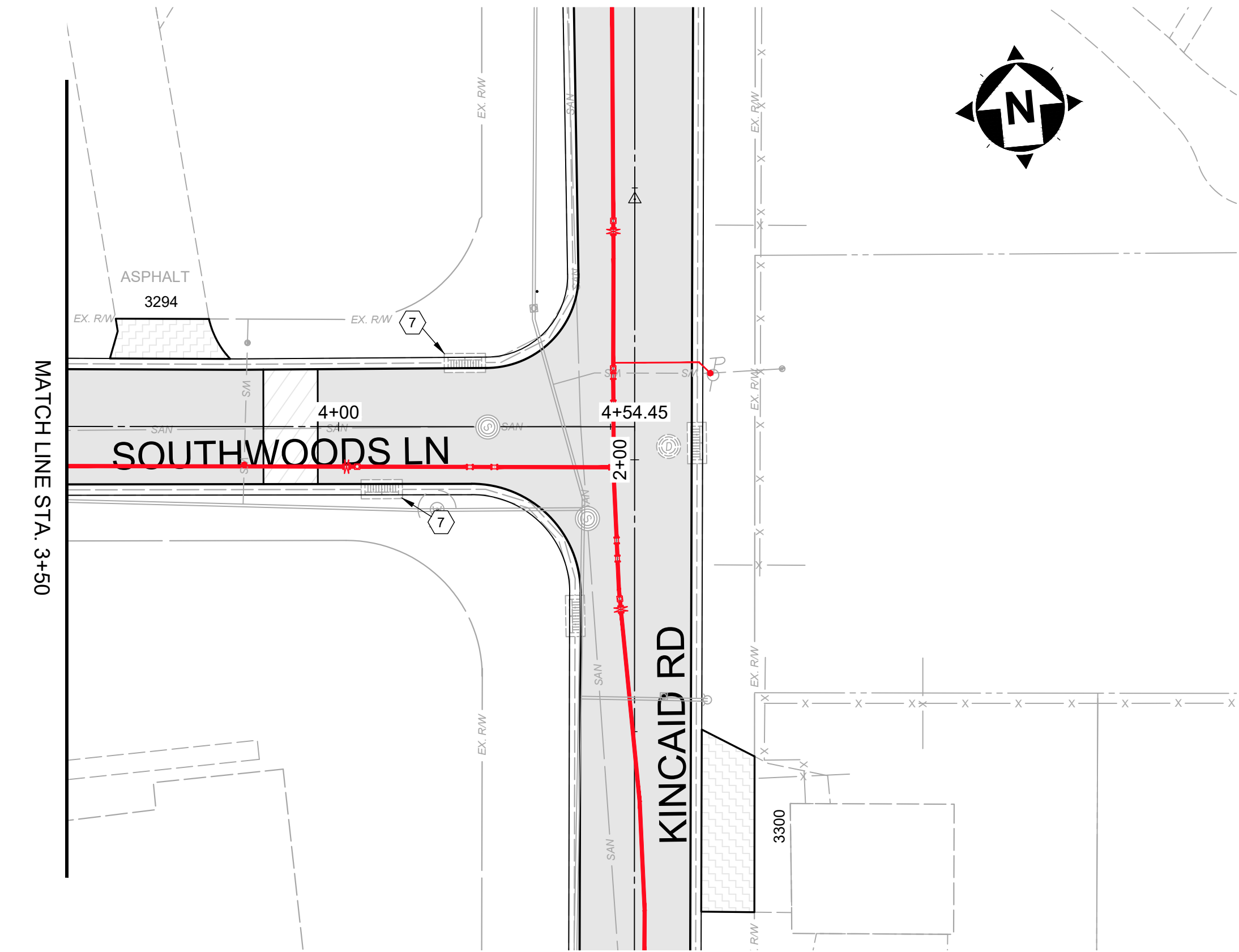
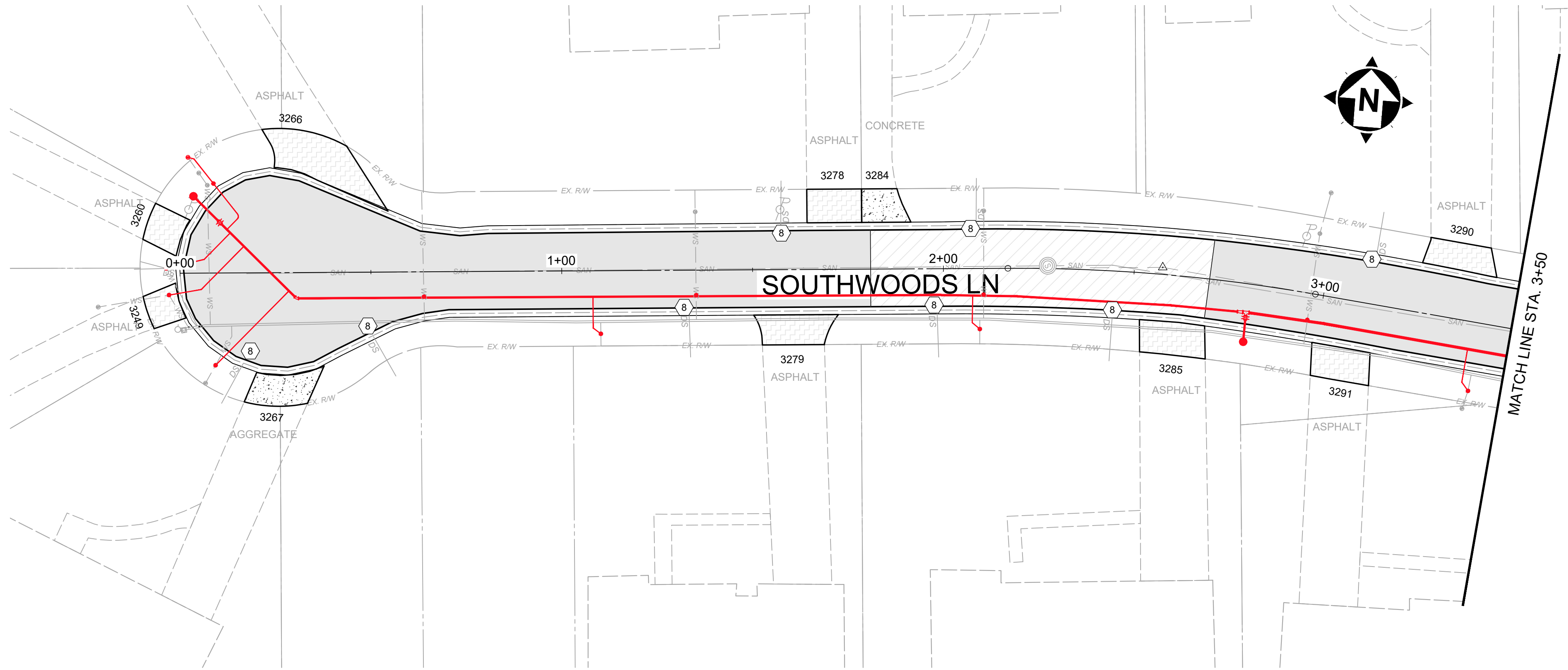
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2025 RESURFACING PROGRAM
VILLAGE OF AMBERLEY VILLAGE
HAMILTON COUNTY, OHIO

KINCAID ROAD

PROJECT NO. 242407	
DISCIPLINE CIVIL	
SHEET NAME C2	
SHEET 6	OF 11



HATCH LEGEND

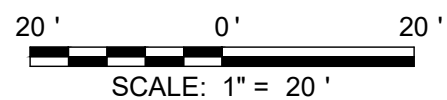
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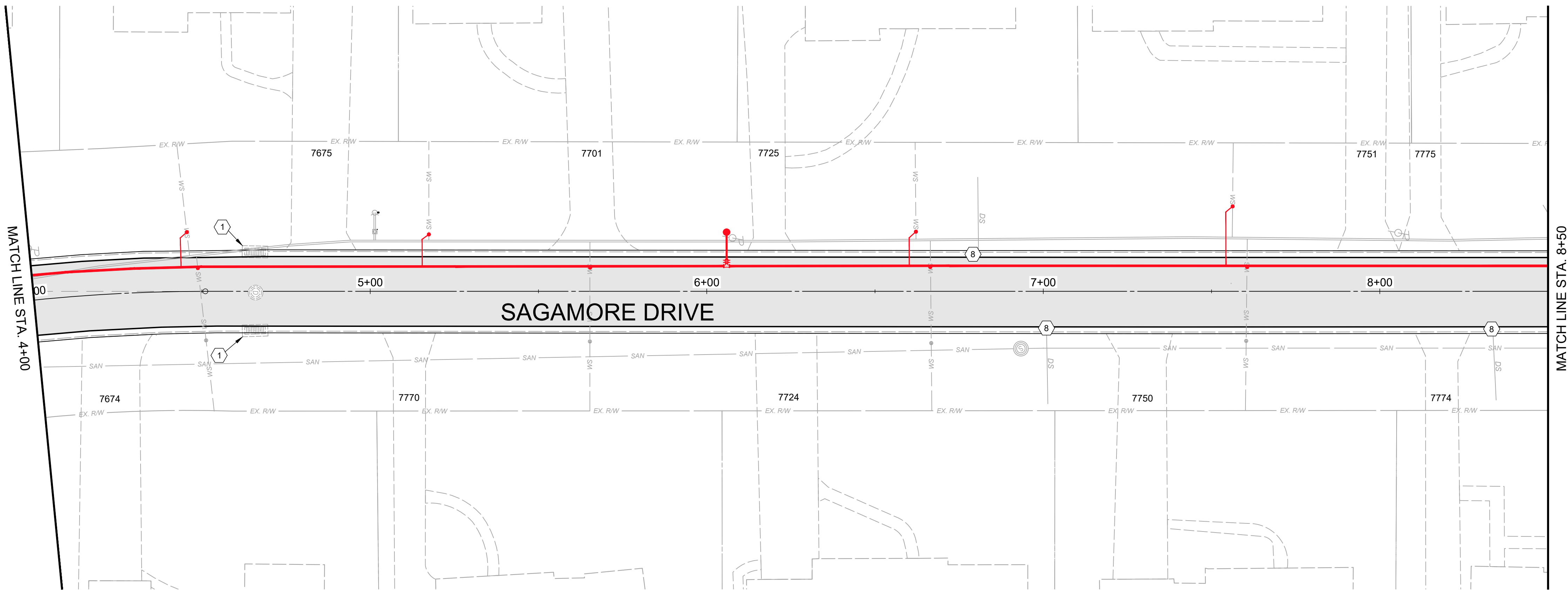
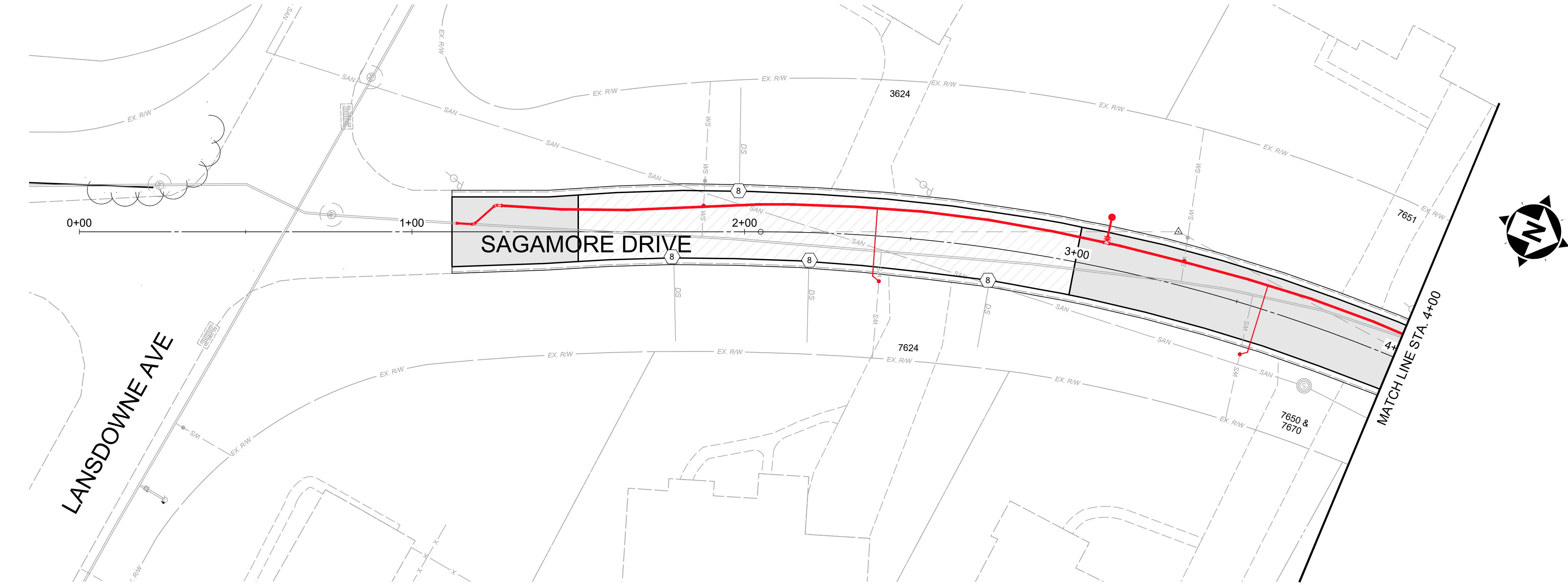
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2025 RESURFACING PROGRAM
VILLAGE OF AMBERLEY VILLAGE
HAMILTON COUNTY, OHIO

KINCAID ROAD

PROJECT NO. 242407	
DISCIPLINE CIVIL	
SHEET NAME C3	
SHEET 7	OF 11



HATCH LEGEND

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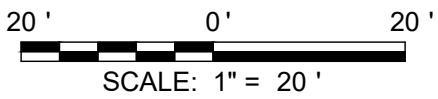
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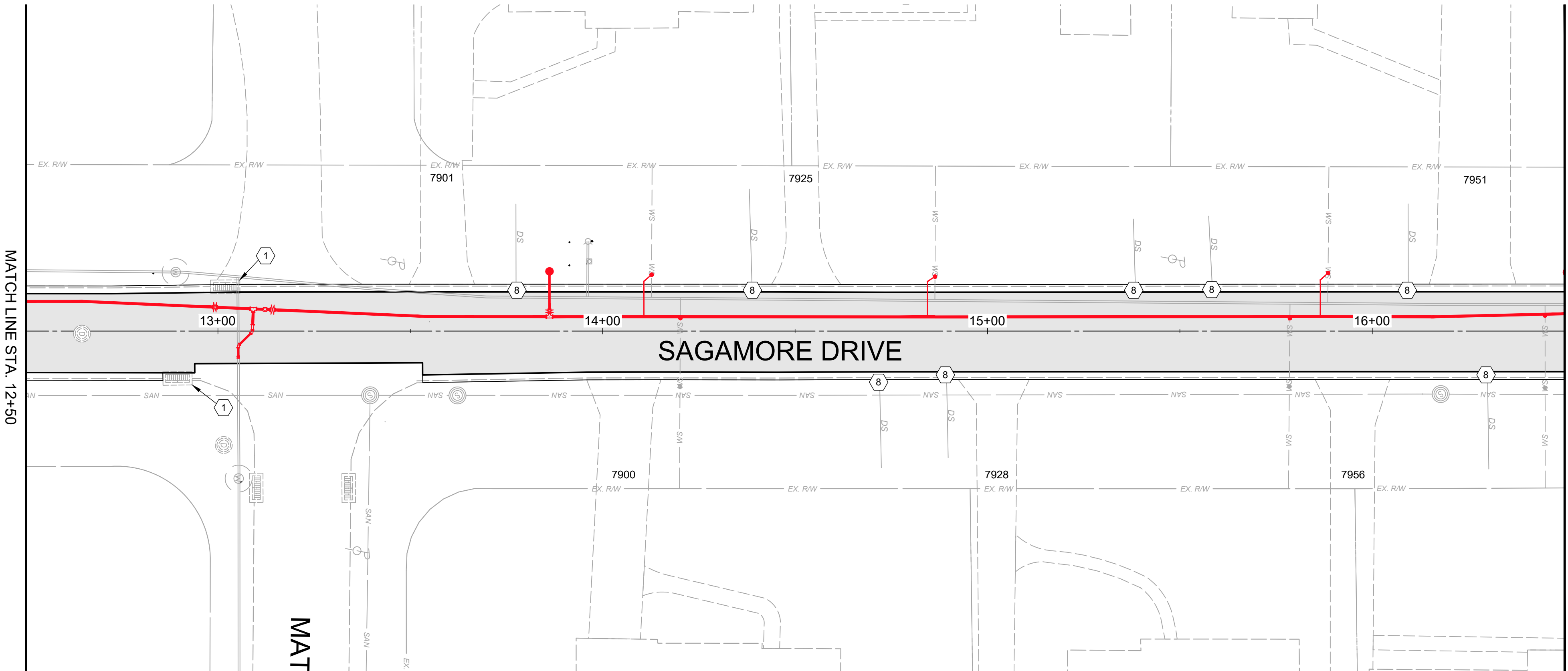
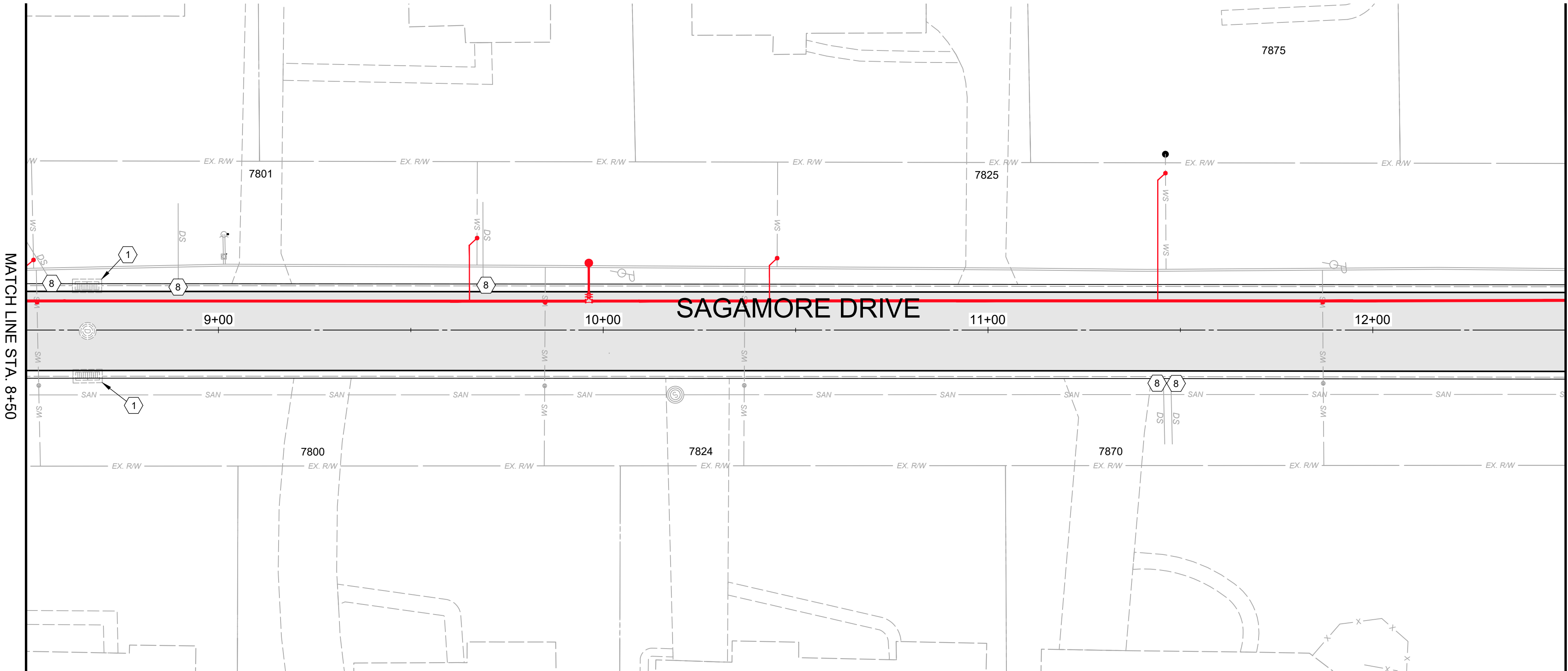
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2025 RESURFACING PROGRAM
VILLAGE OF AMBERLEY VILLAGE
HAMILTON COUNTY, OHIO

SAGAMORE DRIVE

PROJECT NO. 242407	
DISCIPLINE CIVIL	
SHEET NAME C4	
SHEET 8	OF 11





HATCH LEGEND

PAVEMENT PLANING AND OVERLAY

PAVEMENT PLANING AND OVERLAY (GCWW PAYMENT PORTION)

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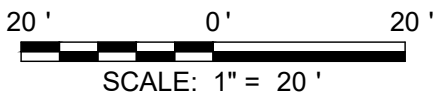
4 ITEM 611 - INLET RECONSTRUCTED TO GRADE, S.G.I., COMPLETE REBUILD USING PRECAST TOP

5 NOT USED

6 NOT USED

7 FURNISH NEW FRAME AND GRATE, D.G.I., TYPE "L" GRATE

8 ITEM 605 - CONNECT EXISTING DOWNSPOUT TO NEW DOWNSPOUT COLLECTOR LINE, AS PER PLAN



verdantas

2025 RESURFACING PROGRAM

VILLAGE OF AMBERLEY VILLAGE

HAMILTON COUNTY, OHIO

PROJECT NO.

242407

DISCIPLINE

CIVIL

SHEET NAME

C5

SHEET

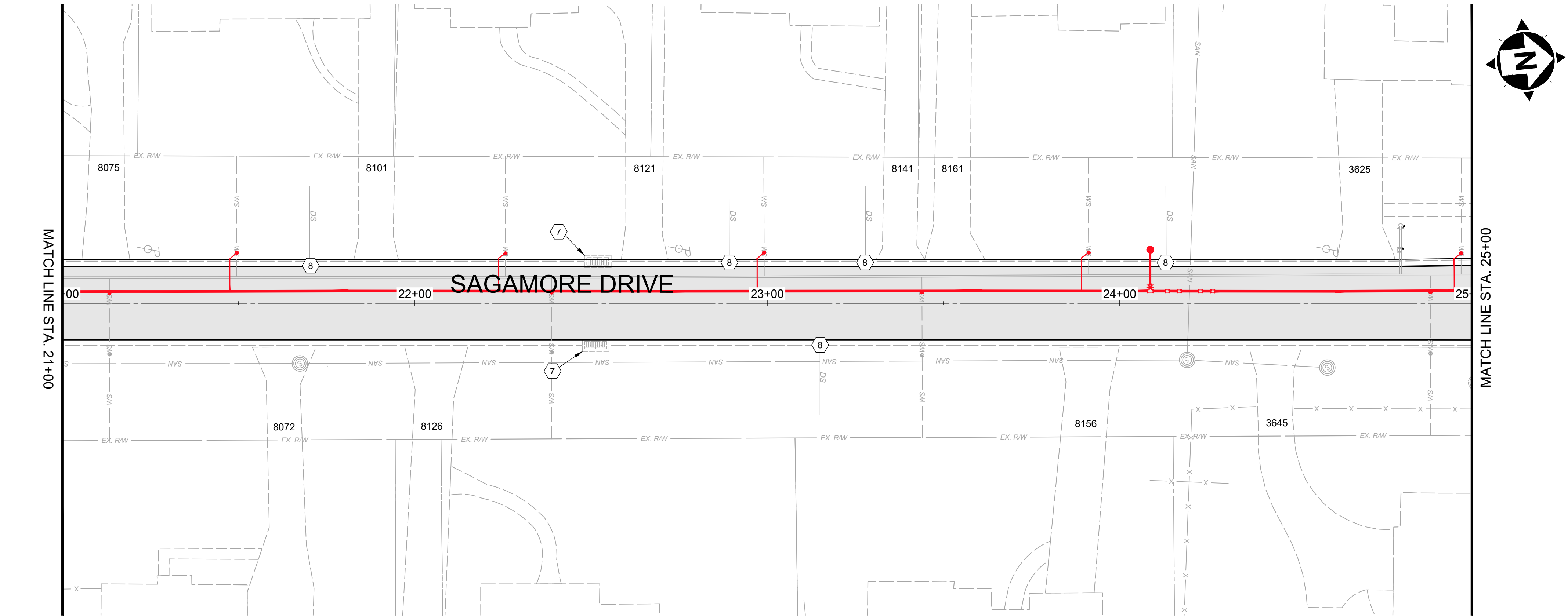
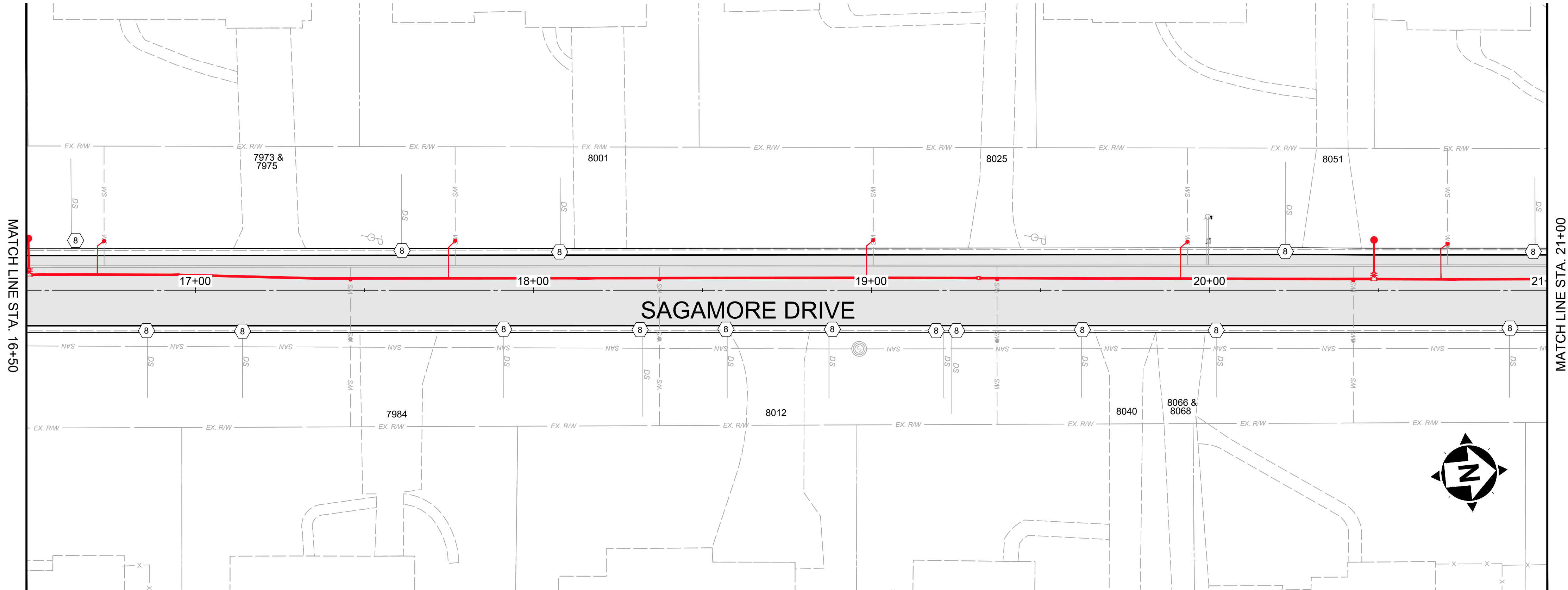
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OF

11

SAGAMORE DRIVE

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HATCH LEGEND

PAVEMENT PLANING AND OVERLAY

PAVEMENT PLANING AND OVERLAY (GCWW PAYMENT PORTION)

ITEM 252 - FULL DEPTH PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT (SEE DETAIL SHEET)

ITEM 448 - ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, AS PER PLAN (SEE DETAIL SHEET)

ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT (DRIVE APRON, 7" THICK) (SEE DETAIL SHEET)

PR WATERLINE (SEE GCWW PLANS)

NOTES

1. THE FINAL FULL DEPTH REPAIR AREAS WILL BE MARKED WHEN THE PLANING OPERATIONS HAVE BEEN COMPLETED.

2. ADJUSTMENTS TO VALVE BOXES, METERS OR OTHER ASSOCIATED GAS, ELECTRIC, TELEPHONE, WATER, OR CABLE FACILITIES, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE COMPLETED PER UTILITY OWNER REQUIREMENTS.

3. CURB RAMPS SHOWN ARE REPRESENTATIVE IN NATURE, CONTRACTOR SHALL MODIFY AS NECESSARY IN THE FIELD TO MEET ADA GUIDELINE.

CONSTRUCTION NOTES

1 ITEM 611 - INLET RECONSTRUCTED TO GRADE, D.G.I., REBUILD TOP 18" USING PRECAST TOP

2 ITEM 611 - INLET RECONSTRUCTED TO GRADE, S.G.I., REBUILD TOP 18" USING PRECAST TOP

3 ITEM 611 - CATCH BASIN, NO.3, AS PER PLAN (SHALL INCLUDE COST FOR PIPE ADJUSTMENTS TO TIE NEW CB INTO EX PIPE)

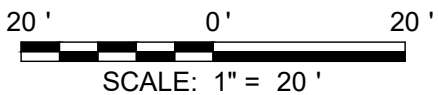
4 ITEM 611 - INLET RECONSTRUCTED TO GRADE, S.G.I., COMPLETE REBUILD USING PRECAST TOP

5 NOT USED

6 NOT USED

7 FURNISH NEW FRAME AND GRATE, D.G.I., TYPE "L" GRATE

8 ITEM 605 - CONNECT EXISTING DOWNSPOUT TO NEW DOWNSPOUT COLLECTOR LINE, AS PER PLAN

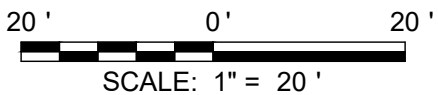
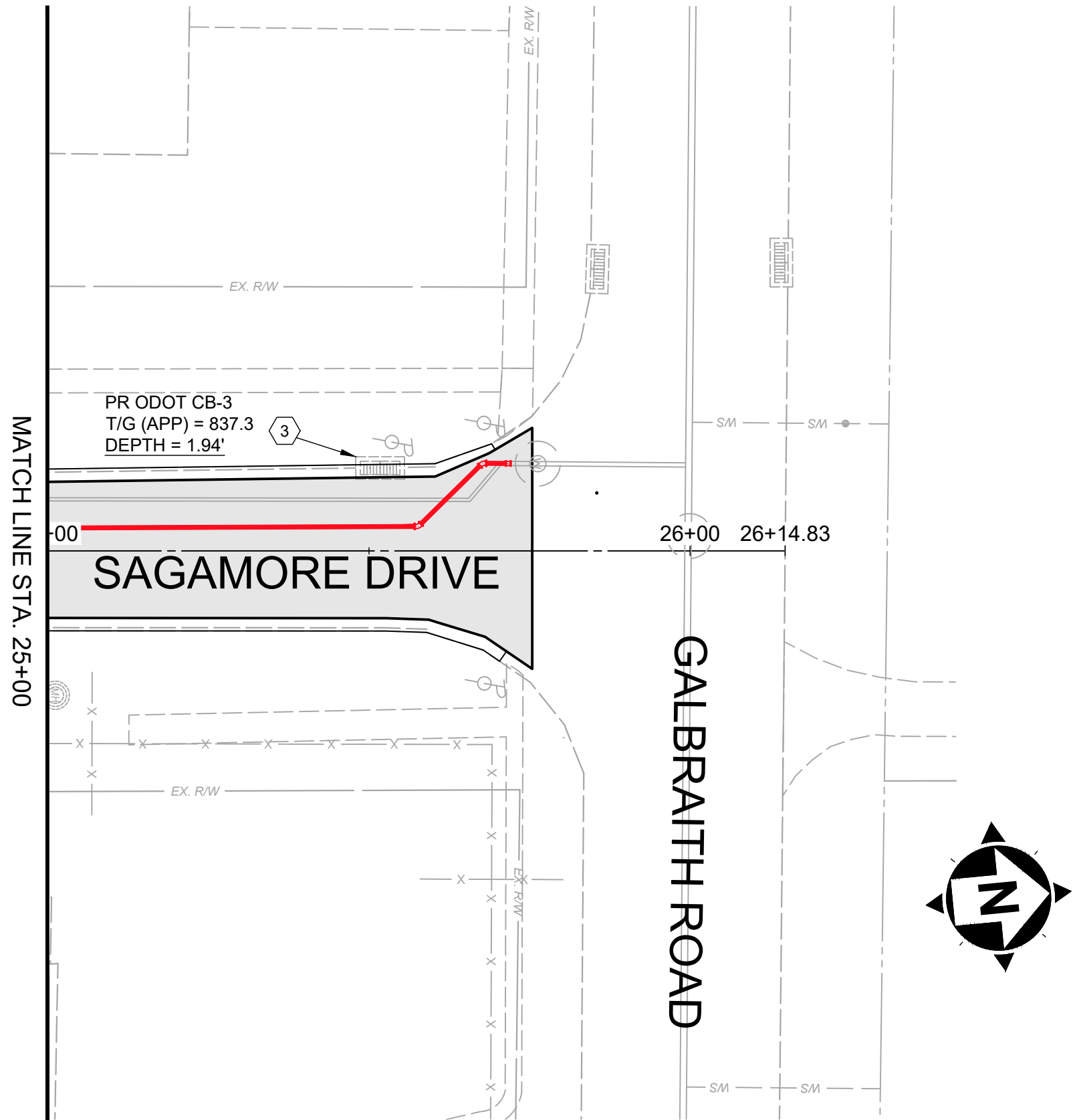


2025 RESURFACING PROGRAM
VILLAGE OF AMBERLEY VILLAGE
HAMILTON COUNTY, OHIO

SAGAMORE DRIVE

PROJECT NO. 242407	
DISCIPLINE CIVIL	
SHEET NAME C6	
SHEET 10	OF 11

ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	4/28/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	PMAD			
DRAWN BY:	PMAD			
CHECKED BY:	FTWE			



HATCH LEGEND	
	PAVEMENT PLANING AND OVERLAY
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2025 RESURFACING PROGRAM

VILLAGE OF AMBERLEY VILLAGE

HAMILTON COUNTY, OHIO

SAGAMORE DRIVE

PROJECT NO.	
242407	
DISCIPLINE	
CIVIL	
SHEET NAME	
C7	
SHEET	OF
11	11

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/date/assets/File/2023%20CTV%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 Greater Cincinnati Water Works (GCWW) understands that differing site conditions results in extra work/change orders to the project. Change orders on GCWW contracts will be done in strict accordance with Item 109.05 C of the State of Ohio Department of Transportation Construction and Material Specifications dated January 1, 2023 or most recent edition and as modified in this City of Cincinnati Supplement. GCWW limits the mark up on wages and fringe benefits as described in 109.05 C. 2. "Labor" to 30%. It is expressly understood that regardless of the nature of the claim, or change in scope of work, the Contractor is not entitled to compensation for loss of anticipated profit or production.

As defined in the City of Cincinnati Supplement, sections 107.07 and 107.071, the Contractor is required to submit, at the time of the pre-construction meeting, a Site Safety Plan. Furthermore, the Contractor shall have an authorized and competent safety representative assigned to the project site.

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.

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, at the contractor's expense. 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.



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 **65-95 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 and 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

23	EACH	6" Ductile Iron Pipe, C.J. Th. Cl. 55, 20' Lengths
179	EACH	8" Ductile Iron Pipe, C.J. Th. Cl. 55, 20' Lengths
26	EACH	Polyethylene Flattened Tube, 4 Mil Thickness Cross-Laminated 16" Wide x 20' Long
197	EACH	Polyethylene Flattened Tube, 4 Mil Thickness Cross-Laminated 20" Wide x 20' Long
24	EACH	Rolls Polyethylene Tape w/Adhesive 1 1/2" Width, 100' Length
7	EACH	6" 45° Bend, 2MJ
12	EACH	8" 45° Bend, 2MJ
2	EACH	6" Plug, MJ (Temporary)
5	EACH	8" Cap, MJ (Temporary)
3	EACH	6" Solid Sleeve, DP
2	EACH	8" Solid Sleeve, 2MJ
11	EACH	8" x 6" Tee, 2MJ x Flg.
2	EACH	8" x 8" Tee, 3MJ
1	EACH	8" x 6" Reducer, PE x MJ
3	EACH	8" x 6" Reducer, MJ x PE
11	EACH	6" Valve, Flg. x MJ
1	EACH	6" Valve, 2MJ
5	EACH	8" Valve, 2MJ
11	EACH	6" Flange Tyte Rubber Gasket
17	EACH	Valve Box Complete
17	EACH	Valve Box Frost Plug
17	EACH	Valve Box Box Lok
3	EACH	6" Fire Hydrant Extension (6" Long)
2	EACH	6" Fire Hydrant Extension (12" Long)
7	EACH	6" Fire Hydrant Extension (18" Long)
40	EACH	6" M.J.R.G.
73	EACH	8" M.J.R.G.
2	EACH	6" Field Lok Gasket
31	EACH	8" Field Lok Gasket

***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.

AIR RELEASE MATERIAL

(FURNISHED BY CONTRACTOR)

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

FURNISHED BY AMBERLY VILLAGE

12	EACH	6" Fire Hydrants
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SERVICE BRANCH MATERIAL

(FURNISHED BY CONTRACTOR)

432	LIN FT	3/4" Copper Service Pipe (w/Aquashield)
129	LIN FT	1" Copper Service Pipe (w/Aquashield)
57	EACH	3/4" Ferrule
9	EACH	1" Ferrule
57	EACH	3/4" Insulating Coupling
9	EACH	1" Insulating Coupling
29	EACH	3/4" Stop Cock
7	EACH	1" Stop Cock
33	EACH	Curb Box
3	EACH	Roadway Box

INDEX

General Provisions	1
Suggested Bill of Materials	1
Plan	2-9
Restoration Details	10

KINCAID / SOUTHWOODS / SAGAMORE

APPROVED: WW004461 / 4-4171 / MF-17042

Matthew S. Smith 04/25/25
GCWW SUPERVISING ENGINEER - DESIGN DATE

Matthew S. Smith 04/25/25
GCWW PRINCIPAL ENGINEER - SYSTEM FACILITIES DATE

Haishan Piao 5/1/25
GCWW CHIEF ENGINEER DATE

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

☒ OEPA CERTIFICATION EXEMPT

☐ NON - EXEMPT

Matthew S. Smith 04/25/25
OEPA REVIEW DATE



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

4-4171
WW004461
MF-17042

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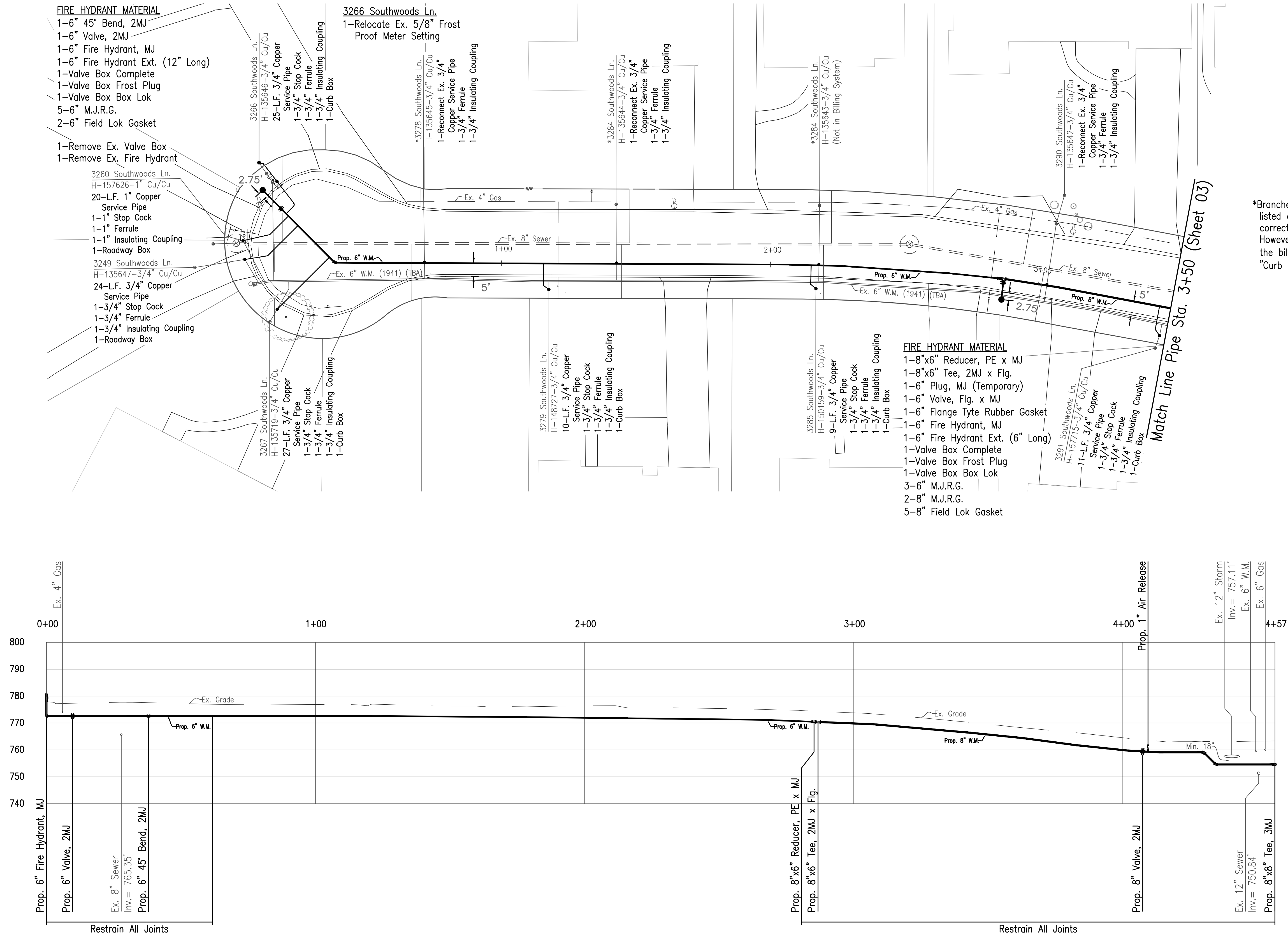
KINCAID / SOUTHWOODS / SAGAMORE



GREATER CINCINNATI
WATER WORKS
ENGINEERING DIVISION / DESIGN SECTION
3445 EASTERN AVENUE CINCINNATI, OHIO 45226



Southwoods Ln.




*Branches 135643, 135644, and 135645 are listed correctly with their addresses and shown correctly on the plans based on all records. However, branch 135643 does not show up in the billing system, nor is it listed as "FOD" or "Curb Only". May need to field verify.



REVISIONS		CALCULATED E.G.B. <u>CHECKED</u> R.R.

GREATER CINCINNATI
WATER WORKS
ENGINEERING DIVISION / DESIGN SECTION
3845 EASTERN AVENUE, CINCINNATI, OHIO 45226



**SOUTHWOODS LANE
PLAN AND PROFILE**

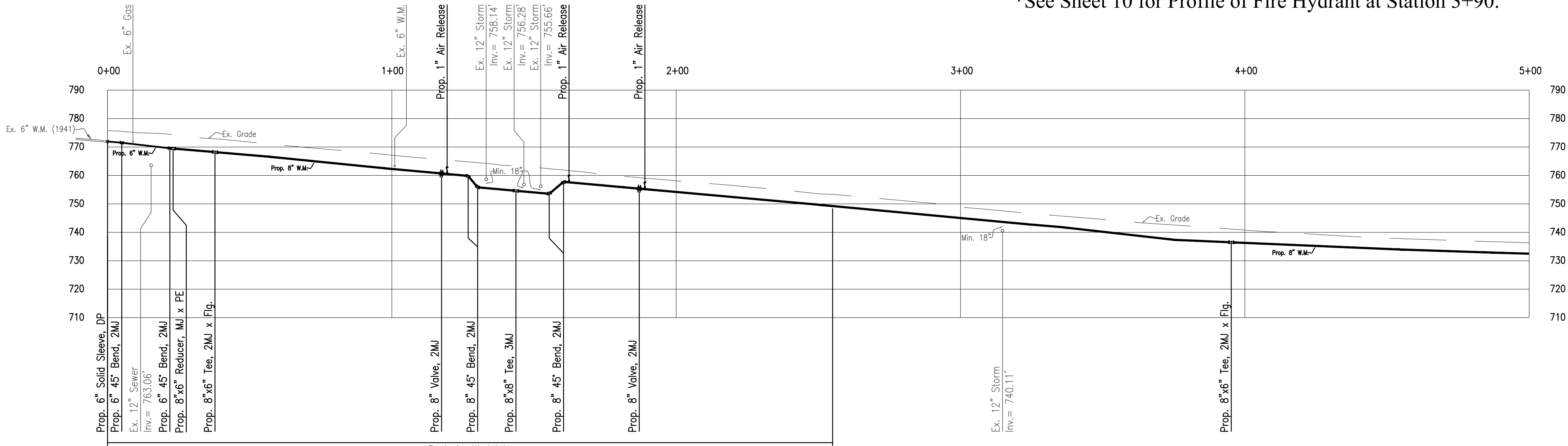
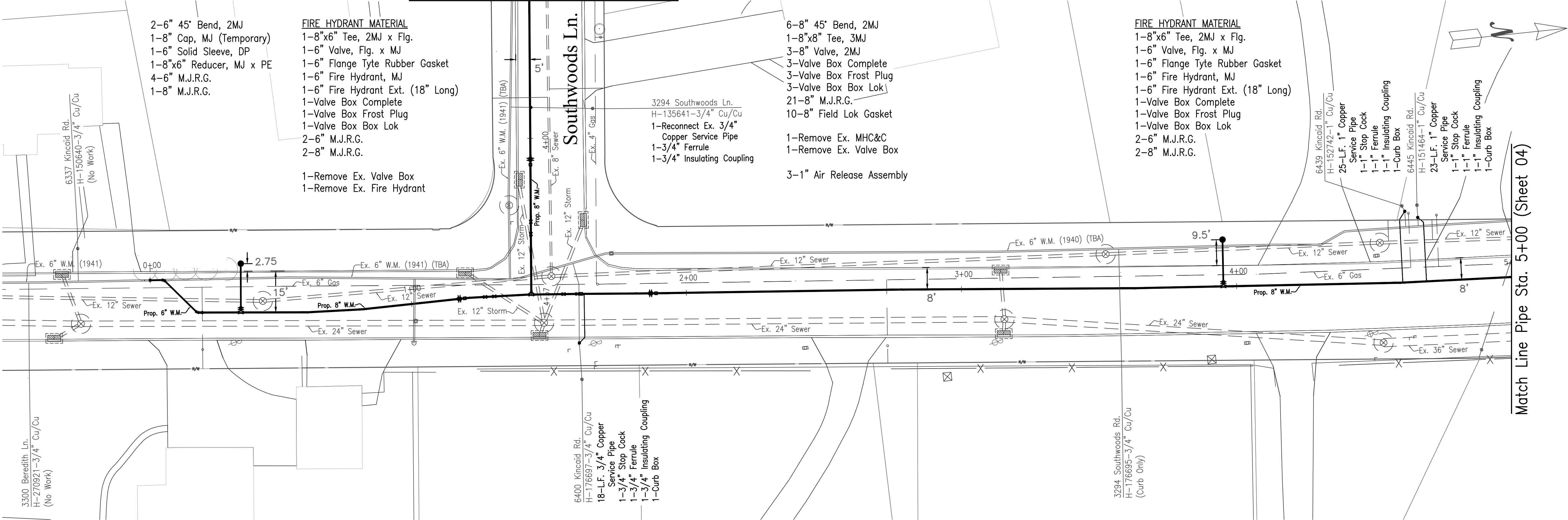
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02
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KINCAID / SOUTHWOODS / SAGAMORE

Kincaid Rd.

Match Line Pipe Sta. 3+50 (Sheet 02)



Restrain All Joints

*See Sheet 10 for Profile of Fire Hydrant at Station 3+90.

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.



KINCAID ROAD
PLAN AND PROFILE

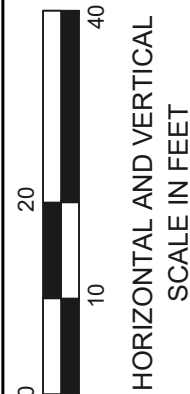
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WW004461
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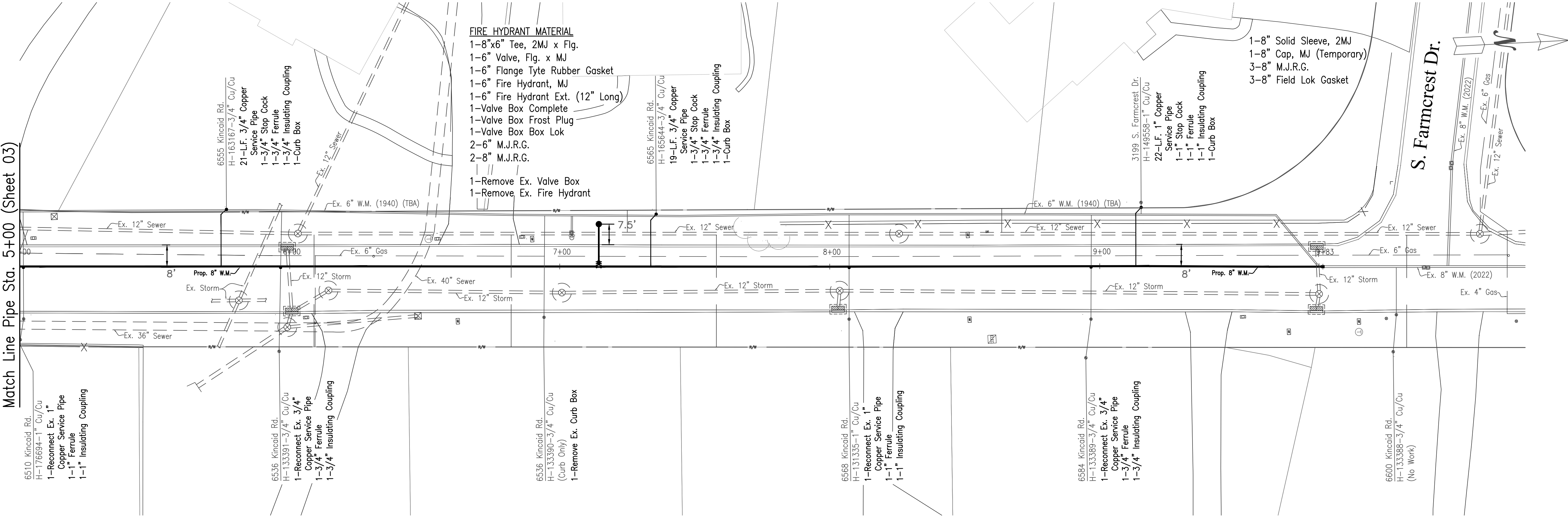
KINCAID / SOUTHWOODS / SAGAMORE

CALCULATED
E.G.B.
CHECKED
R.R.

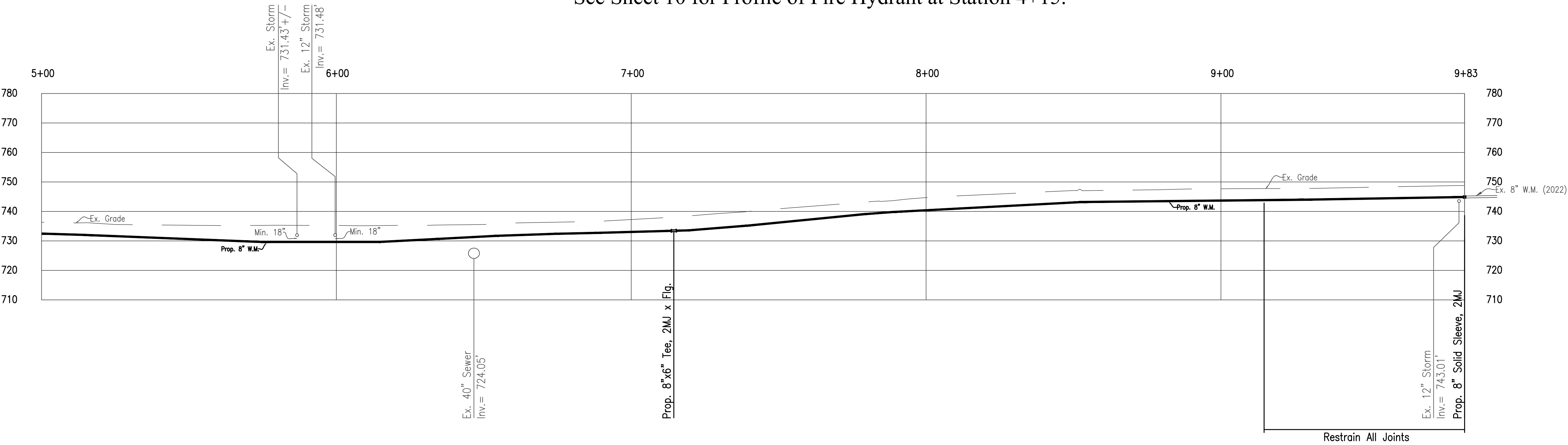
REVISIONS



Kincaid Rd.



*See Sheet 10 for Profile of Fire Hydrant at Station 4+15.



NOTICE OF CONFIDENTIALITY - PUBLIC INFRASTRUCTURE RECORD

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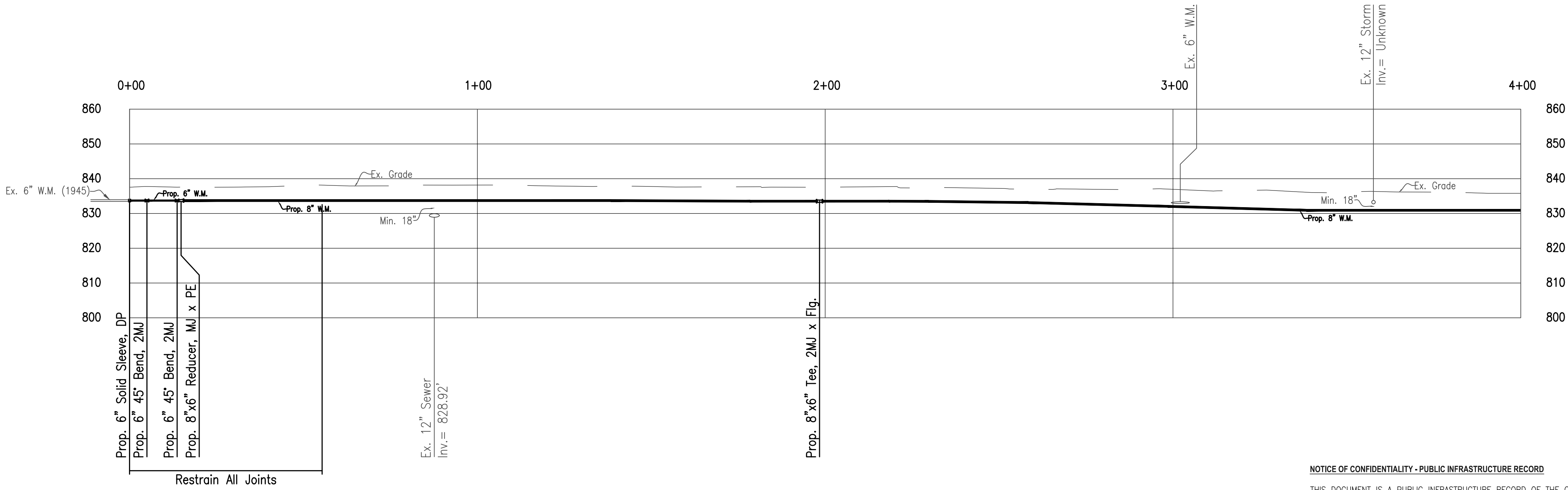
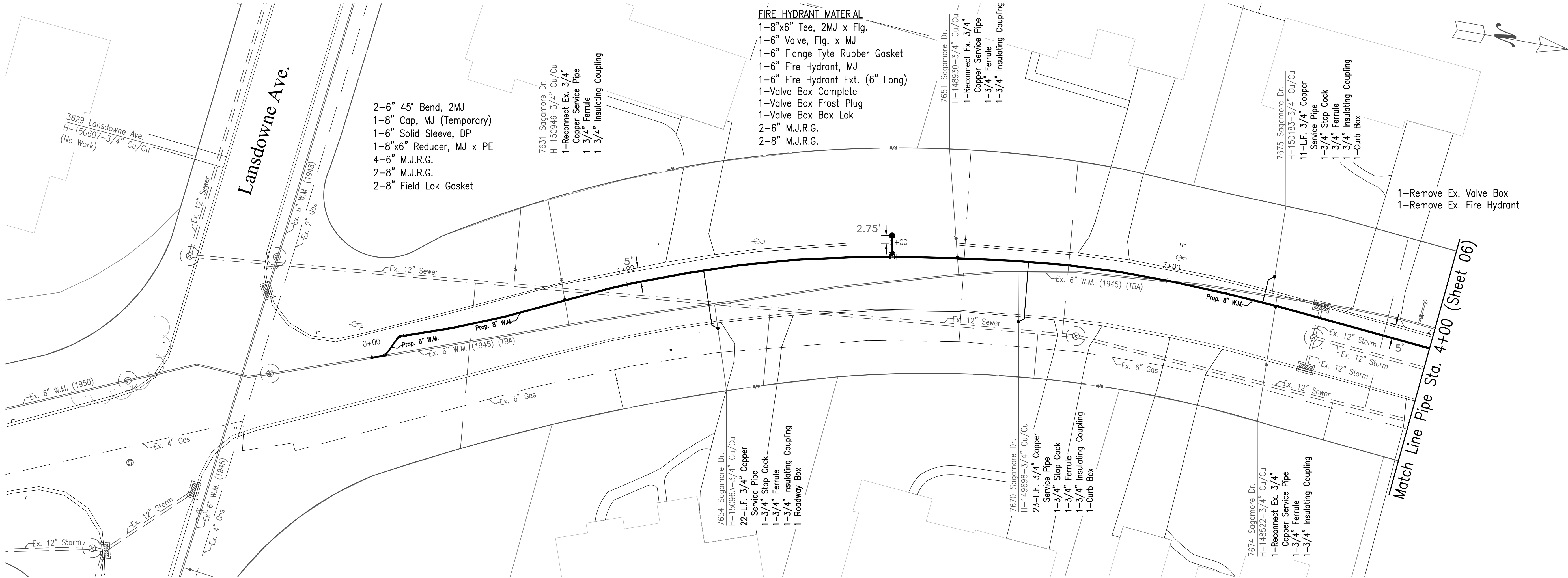
REVISIONS	CALCULATED	
	E.G.B.	CHECKED

GREATER CINCINNATI
WATER WORKS
ENGINEERING DIVISION / DESIGN SECTION
3845 EASTERN AVENUE, CINCINNATI, OHIO 45226

KINCAID ROAD.
PLAN AND PROFILE

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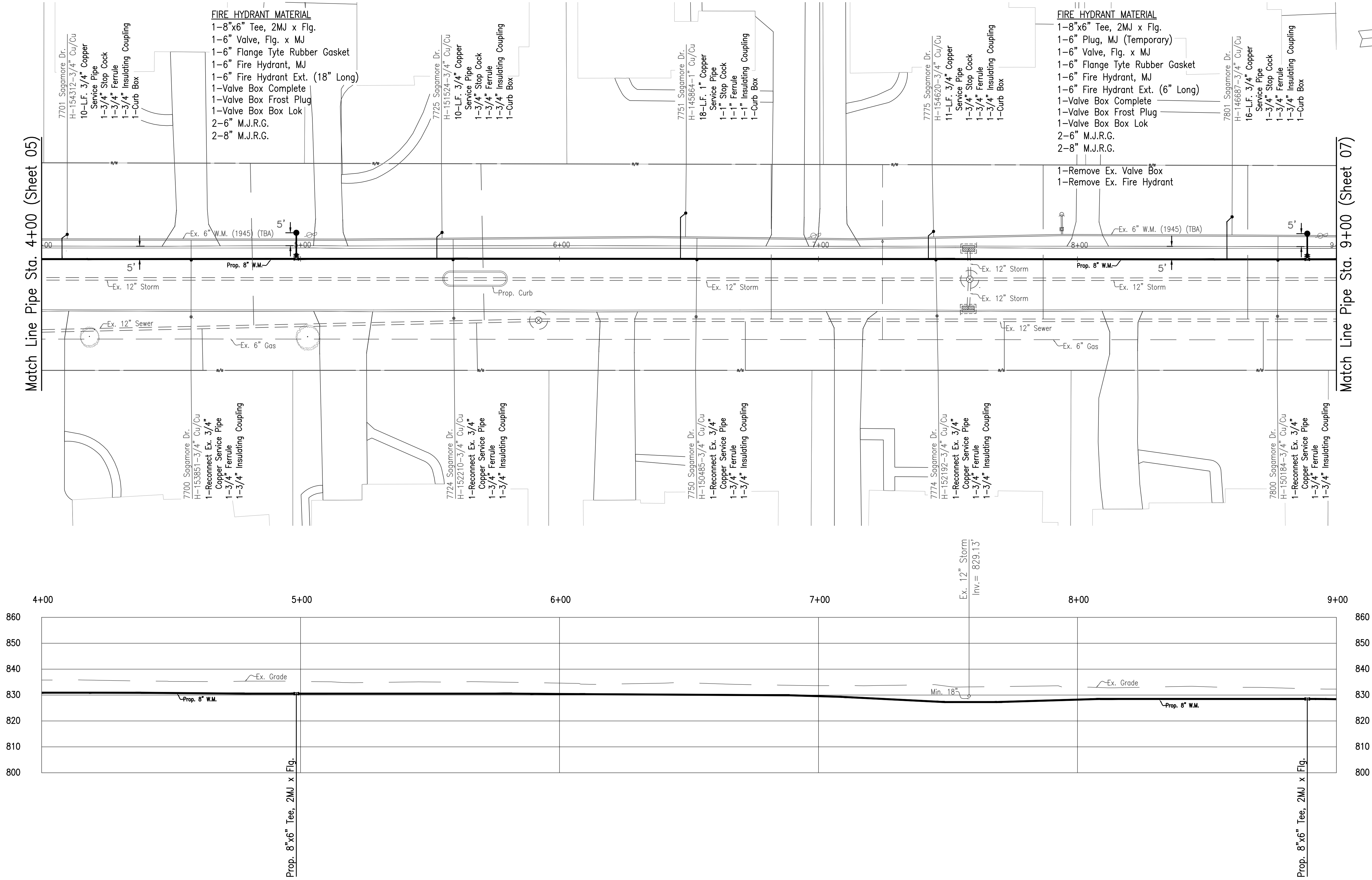
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PLAN AND PROFILE

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KINCAID / SOUTHWOODS / SAGAMORE

Sagamore Dr.

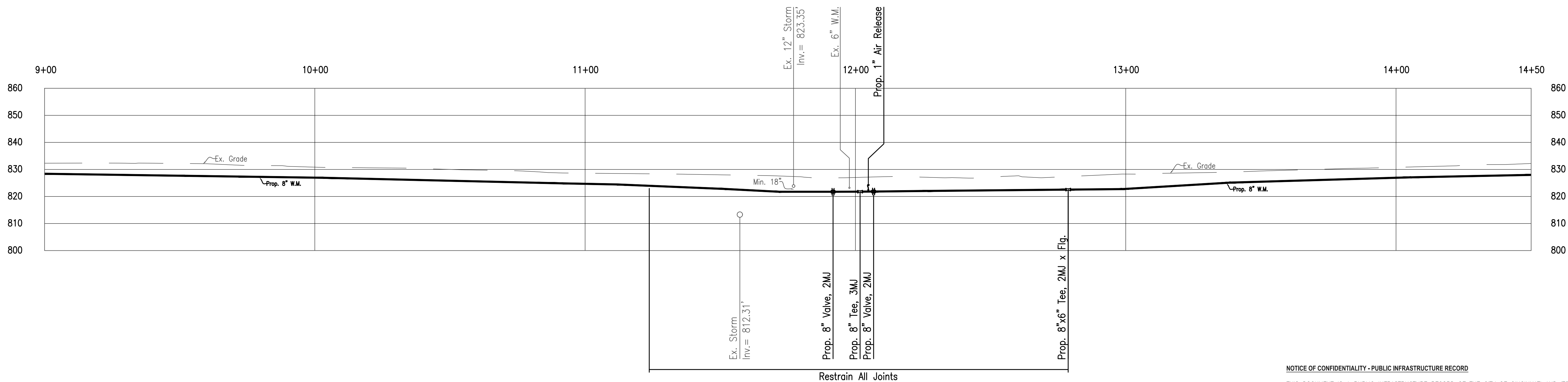
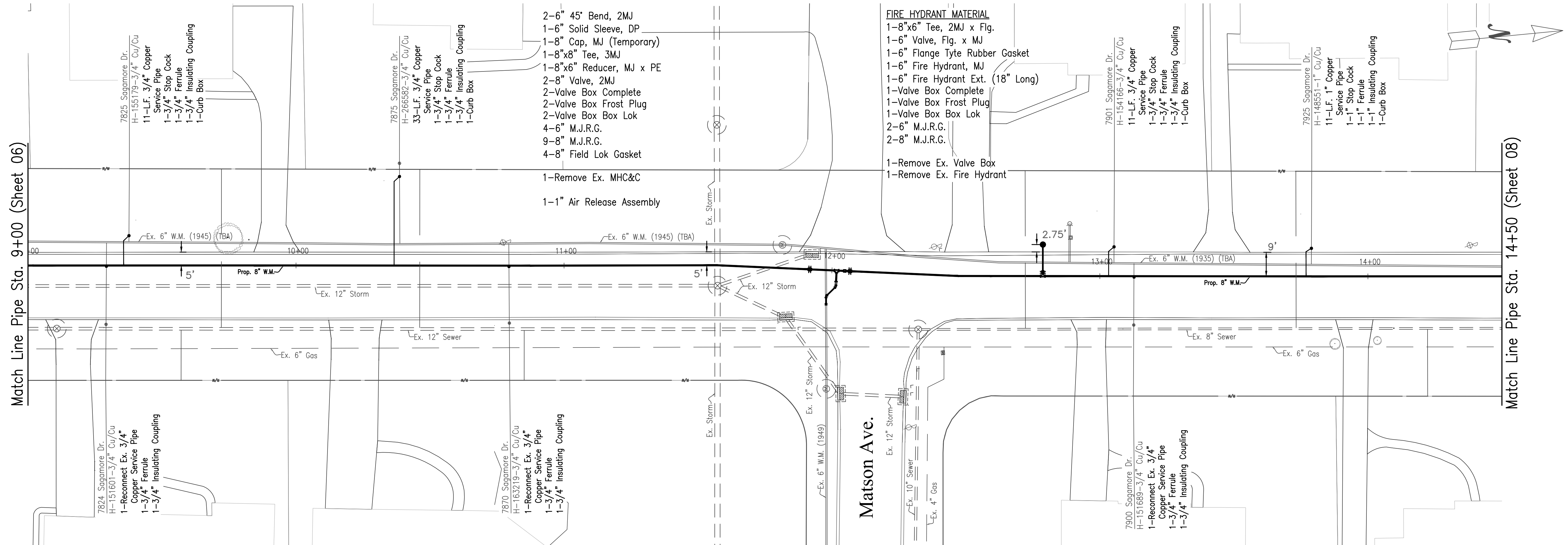


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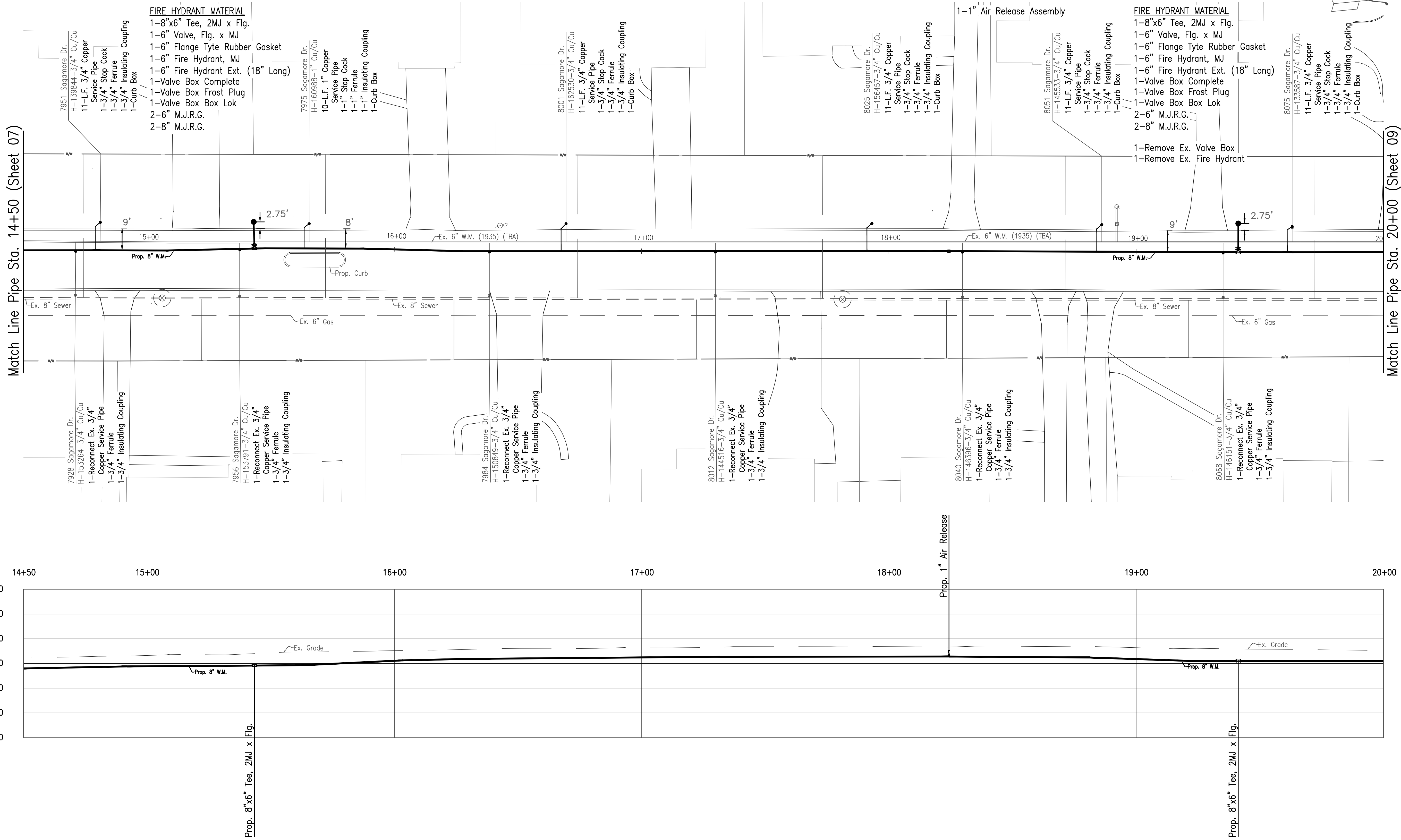
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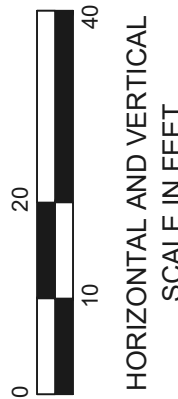
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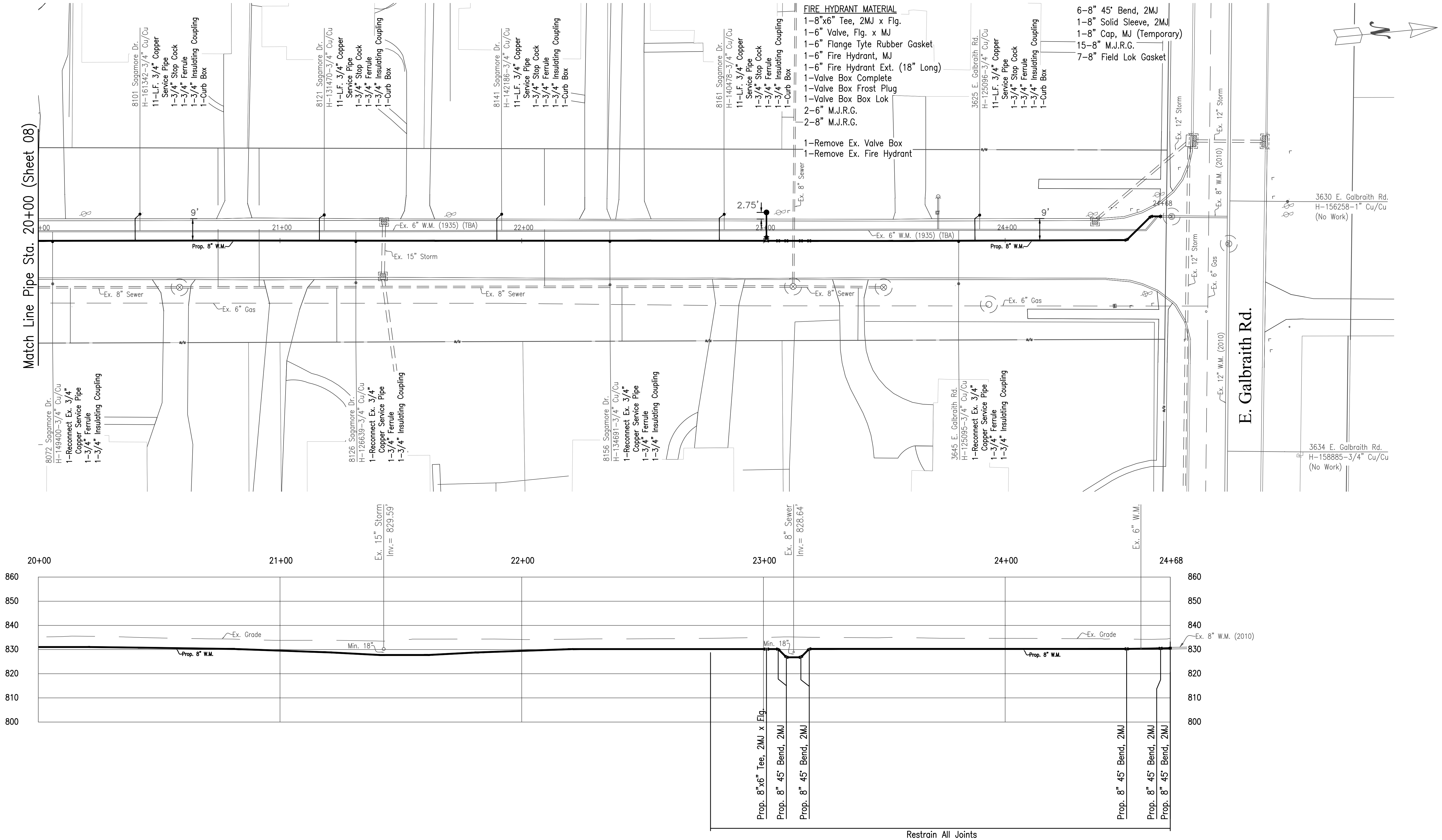
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Prop. 8" x 6" Tee, 20' x Fig. 0+00

Prop. 6" Valve, Fig. x MJ

Ex. 12" Sewer

Inv. = 733.79'

Prop. 6" Fire Hydrant, MJ

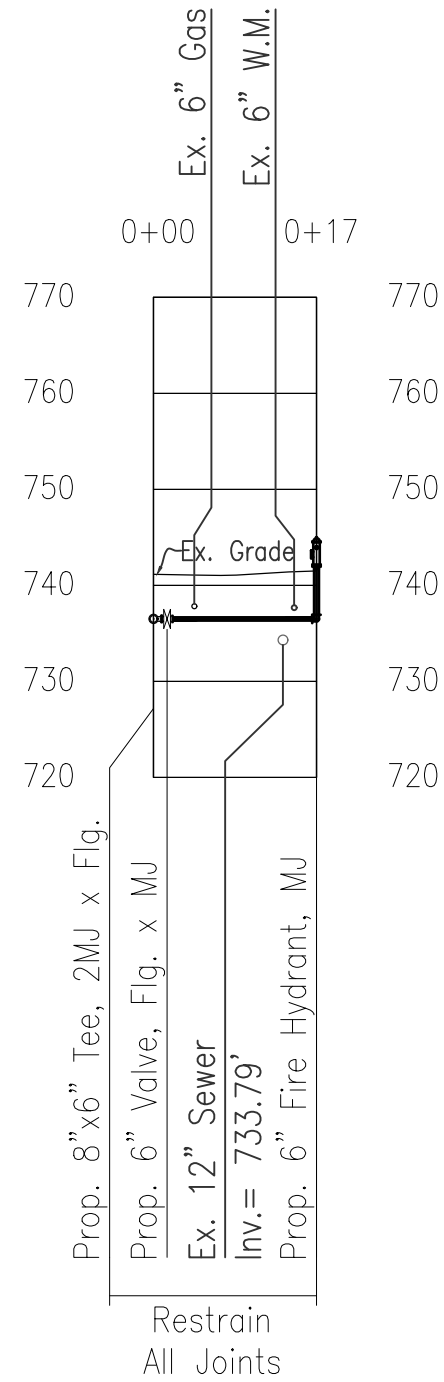
Ex. 6" Gos

Ex. 6" W.M.

0+00

0

Restrain All Joints



Profile view of a sewer line showing a 12-inch sewer pipe with a 6-inch valve and a 6-inch gas line. The sewer pipe has a 0.5% slope and a 729.66' invert. The valve is a 6-inch fire hydrant. The gas line is a 6-inch gas line. The profile shows the sewer pipe, valve, and gas line with their respective elevations and slopes.

Station	Structure	Material	Size	Notes
0+00	Prop. 8"x6" Tee	2MJ	x Flg.	
0+00	Prop. 6" Valve	Flg.	x MJ	
0+00	Ex. 12" Sewer			Inv. = 729.66'
0+00	Prop. 6" Fire Hydrant			
0+00	Ex. 6" Gas			

Restrain All Joints

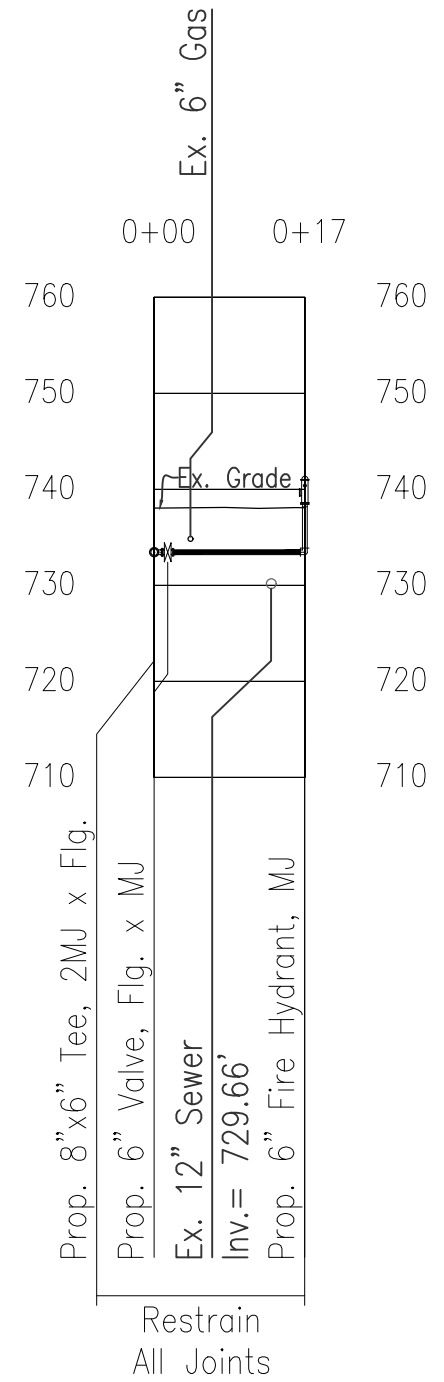


Diagram illustrating the components of a Valve Box Assembly:

- Ex./Prop. Grade
- Valve Box Lid
- Valve Box Hood
- Valve Box Frost Plug
- 1" Blow Off Ball Valve Assembly
- Valve Box Telescope
- 1" Copper Serv. Pipe
- 1" Ferrule
- Prop. W.M.
- Oak Blocks

- 1 - VALVE BOX COMPLETE
- 1 - VALVE BOX FROST PLUG
- 1 - 1" FERRULE
- 4 - L.F. +/- 1" COPPER SERVICE PIPE (LENGTH VARIES
DEPENDING ON WM DEPTH)
- 1 - 1"x1"x3/4" BLOW-OFF BALL VALVE ASSEMBLY (A.Y.
McDONALD PART #76109BCAP)

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