ADDENDUM No. 2

RFP No. 25-06

Pittsfield Village Improvements

Due: February 4, 2025, at 2:00 PM (local time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum includes twenty-three (23) pages and the associated Addendum No. 2 revised plan set includes one-hundred and sixty-seven (167) pages.**

The Proposer is to acknowledge receipt of this Addendum No. 2, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum may be considered non-conforming.

The following forms provided within the RFP Document should be included in submitted proposal:

- **Attachment B – General Declarations**
- **Attachment D - Prevailing Wage Declaration of Compliance**
- **Attachment E - Living Wage Declaration of Compliance**
- **Attachment G - Vendor Conflict of Interest Disclosure Form**
- **Attachment H - Non-Discrimination Declaration of Compliance**

Proposals that fail to provide these completed forms listed above upon proposal opening may be rejected as non-responsive and may not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the RFP documents which are outlined below are referenced to a page or Section in which they appear conspicuously. Offerors are to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Section/Page(s)	Change
All mentions	Proposal Due Date: January 30, 2024 at 11:00 a.m. As updated herein: **Proposal Due Date: February 4, 2025 at 2:00 p.m.** Comment: The Due Date and Time for responses to this RFP has been extended to February 4, 2025 at 2:00 p.m. (local time).

Schedule of Pricing/Cost Section III, Part E	Replace in its entirety.
Detailed Specifications, Project Schedule and Payment, Page 2	August 23. 2025 to November 25, 2026. 8a. Fernwood – Jeanne to Parkwood 8b. Fernwood – Edgewood to Jeanne ~~(Concurrent to 8b)~~ **and Edgewood – Fernwood to Pittsfield** 8c. Edgewood – Pittsfield (south) to Pittsfield (north) 8d. Carolyn – Edgewood to Pinecrest (Concurrent to 8c)
Detailed Specification, Temporary Water Main Interconnection	Add attached specification.
Detailed Specification, Meter Pit, Remove	Add attached specification.
RFP 25-06 Plan Set	Replace in its entirety. See attached list identifying plan updates by sheet.

II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: I understand that if a company has been temporarily suspended from any State or Federal departments that company cannot submit a proposal. Can a company that is suspended though submit a quote to a prime contractor and perform work on the project though?

Answer 1: The certification language in RFP 25-06 asked about pertains only to the entity submitting a response to the RFP. But, the RFP requires a respondent to identify major subcontractors, defined in Section I(U) on page 10, and major subcontractors may be taken into consideration when evaluating and scoring a response. See, Section III(A)(4), page 12.

Question 2: Will a full bypass setup be required for air testing of sanitary sewer that is immediately placed into service?

Answer 2: Where sanitary sewer is immediately placed into service and subsequently bypassed for final air testing, the Contractor will not be required to have redundant flow diversion equipment. The Contractor must be prepared to immediately remove testing plugs to allow flow in lieu of redundant flow diversion equipment.

Question 3: Can the pre-proposal meeting notes and sign-in sheet be provided?

Answer 3: Yes, see attached pre-proposal meeting notes and sign-in sheet.

Question 4: Can a digital copy of the bid form (in Excel format) be provided for use in assembling the proposal?

Answer 4: Please email Chris Elenbaas at chris.elenbaas@ohm-advisors.com to request the bid form in electronic format. Respondent is responsible for ensuring bid form submitted matches the bid form in the RFP document.

Offerors are responsible for any conclusions that they may draw from the information contained in the Addendum.

E. Schedule of Pricing/Cost – 20 Points

Company:

Project: Pittsfield Village Improvements

File #: 2022-031 **RFP #: 25-06**

ITEM NUMBER	LEGEND	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
	General				
01000.00	General Conditions, Max. $1,300,000	LSUM	1	$	$
01001.00	Project Supervision, Max. $650,000	LSUM	1	$	$
01002.00	Project Clean-Up and Restoration	LSUM	1	$	$
01003.00	Digital Audio Visual Coverage	LSUM	1	$	$
01020.00	Erosion Control, Check Dam	Ft	50	$	$
01021.00	Erosion Control, Inlet Protection, Fabric Drop	Ea	108	$	$
01022.00	Erosion Control, Silt Fence	Ft	250	$	$
01030.00	Tree Protection Fence	Ft	3,000	$	$
01040.00	Minor Traffic Control, Max. $100,000	LSUM	1	$	$
01041.00	Traffic Regulator Control	LSUM	1	$	$
01050.00	Sign, Type B, Temp, Prismatic, Furn & Oper	Sft	400	$	$
01051.00	Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Sft	250	$	$
01052.00	Temporary "No Parking" Sign	Ea	200	$	$
01070.00	Sign, Portable, Changeable Message, Furn & Oper	Ea	4	$	$
01080.00	Plastic Drum, High Intensity, Lighted, Furn & Oper	Ea	20	$	$
01081.00	Channelizer Cone, High Intensity, 42 In., Furn & Oper	Ea	600	$	$
01092.00	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn & Ope	Ea	25	$	$
01100.00	Pedestrian Type II Barricade, Temp, Furn & Oper	Ea	25	$	$
01101.00	Pedestrian Channelizer Device, Furn & Oper	Ea	25	$	$
01102.00	Temporary Pedestrian Ramp, Furn & Oper	Ea	5	$	$
01103.00	Temporary Pedestrian Mat, Furn & Oper	Ft	375	$	$
01160.71	DS_Sign, Type III, Erect, Salv	Ea	5	$	$
01160.72	DS_Sign, Type IIIA	Sft	150	$	$
01160.73	DS_Sign, Type IIIB	Sft	63	$	$
01160.74	DS_Post, Steel, 3 pound	Ft	616	$	$
01160.75	DS_Perforated Steel Square Breakaway System	Ea	5	$	$
	Removals				
02000.01	Tree, Rem, 6 In. - 12 In.	Ea	11	$	$
02000.02	Tree, Rem, 13 In. - 19 In.	Ea	8	$	$
02000.03	Tree, Rem, 20 In. - 29 In.	Ea	4	$	$
02020.00	HMA, Any Thickness, Rem	Syd	134	$	$
02023.00	Cold-Milling HMA Surface	Syd	49,395	$	$
02025.00	Concrete Pavt, Any Thickness, Rem	Syd	740	$	$
02030.00	Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	9,912	$	$
02040.00	Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Sft	42,689	$	$
02050.71	DS_Sign, Type III, Rem	Ea	50	$	$
02060.00	DS_Retaining Wall, Rem	Ft	12	$	$
	Earthwork				
03001.00	Machine Grading	Syd	58,347	$	$
03021.00	Subgrade Undercutting, Type II	Cyd	200	$	$
03030.01	Exploratory Excavation, SD-TD-1, (0-10' Deep)	Ea	20	$	$
03030.02	Exploratory Excavation, SD-TD-1, Additional Depth	Ft	40	$	$
03040.00	Earth Excavation	Cyd	3,697	$	$
03050.00	Embankment	Cyd	246	$	$
	Sanitary Sewer				
04000.01	8 In., SDR 26 PVC Sanitary Sewer, SD-TD-2	Ft	27	$	$
04000.02	10 In., SDR 26 PVC Sanitary Sewer, SD-TD-2	Ft	222	$	$
04000.03	12 In., SDR 26 PVC Sanitary Sewer, SD-TD-2	Ft	1,671	$	$
04014.01	6 In., SDR 26 PVC Sanitary Service Lead, SD-TD-2	Ft	693	$	$
	TOTAL THIS PAGE (BF-1)			$	

E. Schedule of Pricing/Cost – 20 Points

Company:

Project: Pittsfield Village Improvements

File #: 2022-031 **RFP #: 25-06**

ITEM NUMBER	LEGEND	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
	Sanitary (Continued)				
04020.00	Pipe Undercut & Backfill, Sanitary	Cyd	25	$	$
04030.01	Sanitary Manhole, 48 In. Dia. (0-8' Deep)	Ea	12	$	$
04030.02	Sanitary Manhole, 48 In. Dia., Additional Depth	Ft	11	$	$
04060.00	Sanitary Structure Cover	Ea	10	$	$
04061.00	Sanitary Structure Cover, Adjust	Ea	22	$	$
04070.02	Sanitary Sewer Pipe, 10 In. Dia., Abandon	Ft	240	$	$
04080.00	Sanitary Sewer Pipe, 6 In. Dia., Rem	Ft	250	$	$
04080.01	Sanitary Sewer Pipe, 8 In. Dia., Rem	Ft	1,375	$	$
04080.02	Sanitary Sewer Pipe, 10 In. Dia., Rem	Ft	45	$	$
04100.00	Sanitary Sewer Structure, Rem	Ea	14	$	$
04110.03	Santiary Sewer Tap, 12 In. Dia.	Ea	2	$	$
	Stormwater				
06000.01	12 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	4,655	$	$
06000.02	15 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	806	$	$
06000.03	18 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	802	$	$
06000.05	24 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	1,185	$	$
06000.06	30 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	2,361	$	$
06000.07	36 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	1,181	$	$
06000.09	48 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	57	$	$
06000.10	27 In., CL IV RCP Storm Sewer, SD-TD-1	Ft	617	$	$
06004.01	DS_Steel Casing Pipe, 48 In., Jacked in Place	Ft	259	$	$
06012.01	12 In., CL IV RCP End Section	Ea	2	$	$
06012.04	24 In., CL IV RCP End Section	Ea	3	$	$
06012.05	30 In., CL IV RCP End Section	Ea	1	$	$
06012.06	36 In., CL IV RCP End Section	Ea	3	$	$
06020.00	Pipe Undercut & Backfill, Storm	Cyd	200	$	$
06030.04	Storm Sewer Tap, 12 In. Dia.	Ea	9	$	$
06041.00	Riprap, Plain	Syd	164	$	$
06050.01	Storm Manhole, 48 In. Dia. (0-8' deep)	Ea	56	$	$
06050.02	Storm Manhole, 48 In. Dia. , Additional Depth	Ft	97	$	$
06050.03	Storm Manhole, 60 In. Dia. (0-8' deep)	Ea	21	$	$
06050.04	Storm Manhole, 60 In. Dia., Additional Depth	Ft	51	$	$
06050.05	Storm Manhole, 72 In. Dia. (0-8' deep)	Ea	8	$	$
06050.06	Storm Manhole, 72 In. Dia. , Additional Depth	Ft	10	$	$
06060.03	Storm Inlet-Junction, 48 In. Dia., (0-8' deep)	Ea	12	$	$
06060.04	Storm Inlet-Junction, 48 In. Dia., Additional Depth	Ft	17	$	$
06060.05	Storm Inlet- Junction, 60 In. Dia., (0-8' deep)	Ea	1	$	$
06070.01	Storm Single Inlet, 24 In. Dia., (0-8' deep)	Ea	97	$	$
06070.02	Storm Single Inlet, 24 In. Dia., Additional Depth	Ft	10	$	$
06080.01	Storm High Capacity Inlet, 48 In. Dia., (0-8' deep)	Ea	2	$	$
06100.04	Storm Manhole Over Existing (Doghouse), 84 In. Dia,	Ea	2	$	$
06101.01	DS_Outlet Control Structure, 4' Dia.	Ea	2	$	$
06110.03	Storm Sewer Pipe, 12 In. Dia., Abandon	Ft	494	$	$
06110.04	Storm Sewer Pipe, 15 In. Dia., Abandon	Ft	613	$	$
06120.01	Storm Sewer Pipe, 8 In. Dia., Rem	Ft	270	$	$
06120.02	Storm Sewer Pipe, 10 In. Dia., Rem	Ft	22	$	$
06120.03	Storm Sewer Pipe, 12 In. Dia., Rem	Ft	2,512	$	$
06120.04	Storm Sewer Pipe, 15 In. Dia., Rem	Ft	194	$	$
06120.05	Storm Sewer Pipe, 18 In. Dia., Rem	Ft	250	$	$
06120.07	Storm Sewer Pipe, 24 In. Dia., Rem	Ft	400	$	$
	TOTAL THIS PAGE (BF-2)			$	

E. Schedule of Pricing/Cost – 20 Points

Company:

Project: Pittsfield Village Improvements

File #: 2022-031 **RFP #: 25-06**

ITEM NUMBER	LEGEND	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
	Stormwater (Continued)				
06140.00	Storm Sewer Structure, Rem	Ea	76	$	$
06160.01	Storm Structure Cover	Ea	196	$	$
06160.02	Storm Structure Cover, Adjust	Ea	284	$	$
06180.02	Underdrain, Subgrade, 6 In.	Ft	937	$	$
06191.01	Curb Drain, HDPE DR 17, SD-TD-2, 6 inch	Ft	13,070	$	$
06200.01	Curb Drain, Tap	Ea	15	$	$
06210.01	Curb Drain, Cleanout	Ea	15	$	$
	Water Mains				
07000.02	6 In., PC 350 DIP w/polywrap, SD-TD-1	Ft	48	$	$
07000.03	8 In., PC 350 DIP w/polywrap, SD-TD-1	Ft	7,185	$	$
07000.05	12 In., PC 350 DIP w/polywrap, SD-TD-1	Ft	2,553	$	$
07005.01	DS_8 In., PC 350 DIP w/polywrap, Directional Drill	Ft	439	$	$
07006.01	DS_Steel Casing Pipe, 24 In., Jacked in Place	Ft	60	$	$
07011.02	8 In. 45° DIP Bend	Ea	75	$	$
07011.03	8 In. 22.5° DIP Bend	Ea	10	$	$
07011.04	8 In. 11.25° DIP Bend	Ea	10	$	$
07013.02	12 In. 45° DIP Bend	Ea	34	$	$
07013.03	12 In. 22.5° DIP Bend	Ea	4	$	$
07013.04	12 In. 11.25° DIP Bend	Ea	5	$	$
07020.03	8 In. X 6 In. DIP Reducer	Ea	18	$	$
07020.09	12 In. X 8 In. DIP Reducer	Ea	5	$	$
07030.06	8 In. X 8 In. X 8 In. DIP Tee	Ea	21	$	$
07030.13	12 In. X 12 In. X 8 In. DIP Tee	Ea	11	$	$
07030.15	12 In. X 12 In. X 12 In. DIP Tee	Ea	3	$	$
07040.09	12 In. X 12 In. DIP Cross	Ea	1	$	$
07050.02	Gate Valve in Box, 8 In.	Ea	2	$	$
07060.02	Gate Valve in Well, 8 In.	Ea	18	$	$
07060.04	Gate Valve in Well, 12 In.	Ea	13	$	$
07080.00	Excavate & Backfill For Water Service Tap and Lead	Ft	2,252	$	$
07090.00	Water Structure Cover	Ea	5	$	$
07091.00	Water Structure Cover, Adjust	Ea	36	$	$
07100.00	Fire Hydrant Assembly, Complete	Ea	16	$	$
07102.00	Fire Hydrant Assembly, Rem	Ea	3	$	$
07110.01	Sacrificial Anode, 17-pound	Ea	23	$	$
07110.02	Sacrificial Anode, 32-pound	Ea	1	$	$
07120.00	Gate Box, Adjust	Ea	15	$	$
07121.00	Curb Box, Adjust	Ea	5	$	$
07122.00	Gate Box Cover	Ea	4	$	$
07130.01	Temporary Water Main Line Stop, 8 In. or less	Ea	2	$	$
07130.03	Temporary Water Main Line Stop, 12 In.	Ea	2	$	$
07131.00	Temporary Water Main Line Stop, Additional Rental Day	Ea	2	$	$
07140.00	Water Main Pipe, 1.5 In. Dia., Abandon	Ft	152	$	$
07140.01	Water Main Pipe, 4 In. Dia., Abandon	Ft	4,556	$	$
07140.02	Water Main Pipe, 6 In. Dia., Abandon	Ft	4,862	$	$
07140.03	Water Main Pipe, 8 In. Dia., Abandon	Ft	195	$	$
07150.02	Water Main Pipe, 6 In. Dia., Rem	Ft	100	$	$
07150.03	Water Main Pipe, 8 In. Dia., Rem	Ft	250	$	$
07150.05	Water Main Pipe, 12 In. Dia., Rem	Ft	50	$	$
07151.01	DS_Water Main AC Pipe, 4 In. Dia, Rem	Ft	100	$	$
07151.02	DS_Water Main AC Pipe, 6 In. Dia, Rem	Ft	100	$	$
	TOTAL THIS PAGE (BF-3)			$	

E. Schedule of Pricing/Cost – 20 Points

Company:

Project: Pittsfield Village Improvements

File #: 2022-031 **RFP #: 25-06**

ITEM NUMBER	LEGEND	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
	Water (Continued)				
07151.03	DS_Water Main AC Pipe, 8 In. Dia, Rem	Ft	75	$	$
07160.01	Gate Valve in Box, 4 In. Dia., Abandon	Ea	2	$	$
07160.02	Gate Valve in Box, 6 In. Dia., Abandon	Ea	3	$	$
07160.03	Gate Valve in Box, 8 In. Dia., Abandon	Ea	1	$	$
07170.02	Gate Valve in Box, 6 In. Dia., Rem	Ea	2	$	$
07180.02	Gate Valve in Well, 6 In. Dia., Abandon	Ea	2	$	$
07190.01	Gate Valve in Well, 4 In. Dia., Rem	Ea	2	$	$
07190.02	Gate Valve in Well, 6 In. Dia., Rem	Ea	2	$	$
07200.00	DS_Temporary Water Main Interconnection	Ea	4	$	$
07300.00	DS_Meter Pit, Rem	Ea	1	$	$
	Streets, Driveways, & Sidewalks				
08000.00	Subbase, CIP	Cyd	39	$	$
08010.02	Aggregate Base, 6 In., 21AA, CIP	Syd	6,850	$	$
08010.03	Aggregate Base, 8 In., 21AA, CIP	Syd	49,742	$	$
08020.02	DS_Maintenance Gravel	Ton	100	$	$
08050.00	Geotextile Separator Fabric	Syd	167	$	$
08051.00	Geotextile Stabilization Fabric	Syd	112	$	$
08060.00	Hand Patching	Ton	25	$	$
08070.14	HMA, 4EL	Ton	6,456	$	$
08070.18	HMA, 5EL	Ton	3,911	$	$
08070.19	HMA, 5EML	Ton	20	$	$
08080.03	Conc Pavt, Non-Reinf, 8 In.	Syd	649	$	$
08110.00	Conc, Curb or Curb & Gutter, All Types	Ft	10,701	$	$
08120.01	Conc, Driveway Opening, Type M	Ft	44	$	$
08130.01	Conc, Sidewalk, 4 In.	Sft	34,538	$	$
08131.01	Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Sft	14,705	$	$
08131.02	Conc, Sidewalk, Drive Approach, or Ramp, 8 In.	Sft	100	$	$
08132.01	Conc, Sidewalk, Drive Approach, or Ramp, 6 In., High Early	Sft	510	$	$
08132.02	Conc, Sidewalk, Drive Approach, or Ramp, 8 In., High Early	Sft	100	$	$
08133.01	DS_Concrete Speed Table	Ea	9	$	$
08150.00	Detectable Warning Surface	Ft	390	$	$
08200.04	Pavt Mrkg, Polyurea, Sharrow Sym	Ea	8	$	$
08200.06	Pavt Mrkg, Polyurea, 12 In., Cross Hatching, Yellow	Ft	20	$	$
08200.09	Pavt Mrkg, Polyurea, 24 In., Stop Bar	Ft	443	$	$
08200.10	Pavt Mrkg, Polyurea, 12 In., Crosswalk	Ft	2,696	$	$
08200.12	Pavt Mrkg, Polyurea, 4 In., Yellow	Ft	360	$	$
08200.27	Pavt Mrkg, Polyurea, School	Ea	4	$	$
08200.31	Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Ea	36	$	$
08251.00	Recessing Pavt Mrkg, Longit	Ft	360	$	$
08252.00	Recessing Pavt Mrkg, Transv	Sft	3,600	$	$
08263.00	Rem Curing Compound, for Spec Mrkg	Sft	540	$	$
	Landscaping				
10001.01	DS_Tree and Planting Allowance	Dlr	30,000	$	$
10020.02	DS_Fence, Chain Link, 60 In.	Ft	525	$	$
10030.00	Fence, Rem	Ft	27	$	$
10051.00	Irrigation System, Protection and Preserving	LSUM	1	$	$
10060.00	Turf Restoration	Syd	19,446	$	$
10090.00	Mulch Blanket	Syd	1,667	$	$
10091.00	Mulch Blanket, High Velocity	Syd	389	$	$
	TOTAL THIS PAGE (BF-4)			$	

E. Schedule of Pricing/Cost – 20 Points

Company: _____

Project: Pittsfield Village Improvements

File #: 2022-031 **RFP #: 25-06**

TOTAL FROM PAGE BF-1:	$ _____
TOTAL FROM PAGE BF-2:	$ _____
TOTAL FROM PAGE BF-3:	$ _____
TOTAL FROM PAGE BF-4:	$ _____
TOTAL BASE BID:	**$** _____

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
TEMPORARY WATER MAIN INTERCONNECTION

Description

This work shall consist of furnishing all labor, tools, equipment, and material to properly install a temporary water main interconnection as directed by the Engineer to facilitate phasing and maintenance of water service. This work shall be performed in accordance with 2025 Public Services Standard Specifications Article 3, except as specified herein.

Each water main interconnection must be approved by the Engineer prior to installation and will be used to sequence the water main construction at phasing boundaries. Following the permanent connection of the water main, the previously installed water main interconnection, including all applicable components, will be removed unless approved for abandonment by the Engineer.

Materials

Water main pipe and components shall meet the requirements specified in 2025 Public Services Specifications Article 3.

Construction

Excavation for the temporary interconnection shall take place in accordance with the standards specified in 2025 Public Services Specifications 10.

All connections made to existing water mains shall be in compliance with the methods stated in 2025 Public Services Standard Specifications, Article 10.M.

Installation of ductile iron pipe and valve components shall meet all requirements stated in 2025 Public Services Standard Specifications, Article 10. K.

Interconnection shall include one buried tapping sleeve and valve in box, or tee connection with gate valve in box for connection to the existing water main. Up to 15 feet of 8-inch water main shall be installed to make connection at an added tee along the proposed water main. The connecting tee and all additional fittings required to make an interconnection less than 15 feet are incidental to the interconnection. All temporary joints that will be subsequently removed shall be restrained with mega-lugs or alternate approved restraint method.

If additional pipe and fittings are required, they will be paid for under the applicable contract water main pay items.

When removing the temporary interconnection after the proposed water main is placed in service, the tee joints on new water main shall be removed and approved pipe sleeves shall be used to create a secure connection between the two sections of new water main.

Measurement and Payment

The completed work, as described, will be measured and paid for at the contract unit price using the following pay items:

Pay Item	Pay Unit
DS_Temporary Water Main Interconnection	Each

DS_Temporary Water Main Interconnection shall include all labor, material and equipment costs required for up to 15 feet of restrained joint ductile iron pipe, tapping sleeve, gate valves and boxes, excavation, dewatering, assembly, proper disposal off-site of excess excavated material, disinfection, flushing, removal of connection, permanent sleeves and coordination to place proposed water main into service.

Payment for up to 75 percent shall be made when the water main interconnection is properly installed and placed in service, and remainder will be paid following removal of the interconnection.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
METER PIT, REMOVE

Description

This work shall consist of furnishing all labor, tools, equipment, and material to remove an existing underground water meter pit at the location shown on the plans. The existing water meter pit is buried and estimated to have exterior dimensions of 10 feet by 12 feet, with a total depth of 8-feet. It includes an 8-inch City of Ann Arbor flow meter to be salvaged and provided to the Owner.

Construction

Completely remove existing concrete vault, associated water main piping, valves, and meter. Provide all associated excavation, backfill and disposal as necessary to facilitate the work.

Measurement and Payment

The completed work, as described, will be measured and paid for at the contract unit price using the following pay items:

Pay Item	Pay Unit
DS_Meter Pit, Rem	Each

DS_Meter Pit, Rem shall be paid for by the unit each of removal and disposal of existing water meter pit as identified on the drawings for removal. Removal of water main and valves located within the vault will be included in **DS_Meter Pit, Rem** and not paid separately.

Revised Sheet number	Plan Changes made for Addendum No. 2 for RFP No. 25-06
2	Updated index
6-20	Note/Callout updates
22	Added concrete saddle detail and cross section detail of walk
Pittsfield Blvd	
32	Moved structure 200 and 213 out of ADA ramp
34	Moved structure 232 out of path of ADA ramp
39	Moved structure 246 out of ADA ramp, sidewalk quantity changes
42	Added hydrant assembly profile H2
43	Added hydrant assembly profile H3, H4
44	Added hydrant assembly profile H5
45	Added hydrant assembly profile H6
46	Updated WM alignment, Added hydrant assembly profile H7
47	Updated WM alignment, Added hydrant assembly profile H8
48	Updated WM alignment, Added hydrant assembly profile H9
49	Updated WM alignment
50	Updates at Washtenaw, Added hydrant assembly profile H10
53	Moved structure 200 and 213 out of ADA ramp
55	Updates to alignment, revised structures, add inlet connection profiles
57	New sheet for inlet connection profiles
Whitewood Street	
65	Added hydrant assembly profile H11
67	Updated alignment, profile and added hydrant assembly profile H13
69	Updated inverts
70	Updated inverts
71	New sheet for inlet connection profiles
Norwood Street	
72	Added additional curb removal for inlet structure R-284
76	Added additional proposed curb for new inlet R-284
79	Added hydrant run profile and moved H12 hydrant run to 324+81
80	Updated removal on pipe connection to 92-51010
81	Updated inverts
82	Added new structures 283 and 284
83	Updated invert and existing pipe size labels
84	New sheet for inlet connection profiles
85	Updated inverts
86	Updated inverts, Added additional profile for connection to S-3
87	Updated inverts and added service lead
88	Updated inverts and added service lead

Oakwood Street	
94	Minor sidewalk updates
96	Minor sidewalk updates
97	Updated alignment, Added existing vault to abandon
98	Updated alignment, added structures, Added inlet connection profiles
99	Updated inverts
100	Structure update
101	Add inlet connection profiles
Richard Street	
107	Added hydrant run profile for H14
108	Added inlet connection profiles
109	Updated inverts
Carolyn Street	
112	Updated profile
113	Updated inverts
Edgewood Drive	
118	Minor sidewalk quantity updates
119	Minor sidewalk quantity updates
122	Added hydrant run profile and moved H16 hydrant run to 629+80
125	Added inlet connection profiles
126	Updated inverts
127	New sheet for inlet connection profiles
Jeanne Street	
129	Sidewalk quantity updates
132	Matchline updated to 723+50, inlet connection profile added
133	Matchline updated to 723+50, inlet connection profiles added
Parkwood Ave	
134	Removed structure, updated style
137	Minor quantity updates
138	Minor quantity updates
141	Minor quantity updates
142	Minor quantity updates
143	Updated inverts, Inlet connection profile added
144	Updated inverts, Inlet connection profile added
Fernwood Avenue	
149	Minor quantity updates
150	Minor quantity updates
151	Added DD callout
152	Added DD callout and hydrant run profile H17
154	Added inlet connection profiles

Detailed grading	
159	Updated asphalt path replacement
Standard Details	
162	Updated notes
167	Added Detour plan
Overall Updates	Updated at storm manholes to include a 2’ sump

Pre-Proposal Meeting Notes

Pittsfield Village Improvements
RFP No. 25-06

Thursday, January 9, 2025
Ann Arbor City Hall, Basement Conference Room

1. Introductions / Sign-In Sheet (see attached)

2. Purpose of Meeting

Attendance at this Pre-Proposal Meeting is not required to submit a proposal but it is strongly recommended. Proposals may be submitted by parties that did not attend this meeting.

3. Administrative Procedures

A. Respondents are **not** required to attend Pre-Proposal Meeting in order to submit a proposal.

B. Oral statements made at this meeting or any time during the bidding process may not be relied upon or binding. All questions about the meaning or the intent of the Bidding Documents are to be submitted in writing to the Engineers below. Interpretations or clarifications considered necessary by the Engineer in response to questions will be issued by Addenda delivered to all parties recorded as having received Bidding Documents.

1) Final Day for Contractor's Written Questions is Wednesday, January 15, 2025 at 5:00 pm.
2) Questions to be sent via email as indicated in the RFP.
3) Responses to Contractor's Written Questions will be addressed in an addendum during the week of January 20, 2025.

C. RFP Documents are available at no charge on MITN or the City of Ann Arbor Purchasing Website.

D. Proposals are due and must be delivered to City Hall on or before January 30, 2025, by 11:00 a.m. (local time).

E. The following documents must be included with the Proposals:

1) One (1) original proposal
2) two (2) additional proposal copies
3) one (1) digital copy of the proposal preferably on a USB/flash drive as one file in PDF format

F. A proposal may be disqualified if the following required forms are not included with the proposal:

1) Attachment B – General Declarations
2) Attachment D - Prevailing Wage Declaration of Compliance
3) Attachment E - Living Wage Declaration of Compliance
4) Attachment G - Vendor Conflict of Interest Disclosure Form

5) Attachment H - Non-Discrimination Declaration of Compliance

G. Proposals that fail to provide these forms listed above upon proposal opening may be deemed non-responsive and may not be considered for award.

H. Bid must be accompanied by bid security made payable to Owner in an amount of 5% of Bidder's maximum bid price (determined by adding the base bid and all alternates) in the form of a certified check, or a Bid Bond.

I. Davis Bacon Wage Rates will apply in accordance with City Requirements. The wage determination current on the date 10 days before proposals are due shall apply. See Section 4 – Wage Requirements in the General Conditions section of the Proposal. For this RFP the Construction Type of Heavy and Highway will apply.

J. Liquidated Damages. Assessed at $2,000.00 per day.

K. Proposal Format: Closely review RFP requirements for elements that should be included in the proposal. Organize Proposals into the following Sections:

1) Qualifications, Experience and Accountability
2) Workplace Safety
3) Workforce Development
4) Social Equity and Sustainability
5) Schedule of Pricing/Cost
6) Authorized Negotiator
7) Attachments

L. Schedule:

Activity	Date
Pre-Proposal Meeting	Thursday, January 9, 2025 @ 1:00 p.m.
Final day for Contractor written questions	Wednesday, January 15, 2025 @ 5:00 p.m.
Addendum Posted	Week of January 20, 2025
Proposals due	Thursday, January 30, 2025 @ 11:00 a.m.
Selection/Negotiations	February 2025
Expected City Council Authorizations	March 17, 2025
Contract Execution	March 2025
Anticipated Notice to Proceed Issued	March 31, 2025
Substantial Completion	November 25, 2026

4. Summary of Project

A. The visualization video of the project was shared, which can be viewed at the project website (Pittsfield Village Improvements)

1) Construction of approximately 2,000 LF of SDR 26 PVC replacement sanitary sewer (8", 10" and 12"), including associated structures, leads and abandonment/removal of existing sanitary sewers.
    i. Most of the sanitary sewer construction is on Norwood, with the new sewer on the same alignment as the existing sewer. For the sanitary sewer installation on Norwood, air testing and TV inspection will be required immediately after

completion of each sewer run. The contractor will need to install the sewer, air test and TV test each run of sewer between manholes and following acceptable testing results, connect the service leads. The mandrel testing requirement will be waived for placing the sewer into service, but mandrel testing will still be required after 30-days and will be performed while the sewer is in service.

2) Construction of approximately 9,700 LF of CL IV RCP storm sewer (12" – 36") including approximately 220 LF of 48" jacked in place steel casing pipe, including associated structures, end sections and abandonment/removal of existing storm sewers.

3) Construction of approximately 13,000 LF of 6" HDPE DR 17 curb drain.
    i. These curb drains are for future sump pump connections by others.
    ii. They can be constructed by open cut or directional drilling installation.

4) Construction of approximately 12,300 LF of PC 350 DIP water main (6", 8" and 12") including approximately 60 LF of 24" jacked in place steel casing pipe, and approximately 440 LF of directionally drilled 8" PC 350 DIP water main, including associated fittings, structures and hydrants, service lead transfers and abandonment of existing AC water mains.
    i. The majority of the new water main is 8", with 12" around Pittsfield Elementary School from Oakwood Street/Pittsfield Boulevard northerly in Pittsfield Boulevard to Edgewood Drive, down Edgewood Drive to the northerly intersection with Pittsfield Boulevard and then to the north end of Pittsfield Boulevard.
    ii. There is a short section of 8" water main to be bored under the County Drain in Whitewood Street.
    iii. On the southerly end of Fernwood, the 8" water main is to be directionally drilled due to trees.
    iv. The existing 4" and 6" water mains to be abandoned are primarily AC pipe, refer to the AC Water Main Removal detailed specification.

5) Construction of approximately 50,000 SY of local street resurfacing including cold-milling and pavement removal and HMA paving, including associated curb & gutter removal and replacement, sidewalk and sidewalk ramp removal and replacement, machine grading, 21AA aggregate base placement, grading and compaction and pavement markings.
    i. A lot of the existing gutter is overlaid. Proposers should plan to try and save as much of the curb & gutter as possible, but quantity for removal and replacement is included since all of it won't be able to be saved.
    ii. Where curb & gutter is removed and replaced, it is likely that the sidewalk at the location will also have to be removed and replaced since the sidewalk is located right behind the curb.
    iii. Aggregate road base will typically be placed at utility locations but looking to leave the existing base in areas where we are not touching the utilities. The road work is more of a resurfacing and not a reconstruction.

6) Construction of stormwater storage/detention areas in three areas totaling approximately 3,700 CY of earth excavation, including associated fencing and landscaping materials.
    i. One area is off Parkwood Avenue, there is an existing low spot that will be utilized for stormwater overflow and controlled discharge

ii. At the south end of the neighborhood, at the County's Swift Run Drain, the project is making cuts to allow for stormwater storage from drain overflow and installing outlets for this stormwater back into the drain. The area currently has no outlet for stormwater.
iii. None of the stormwater construction includes groundwater infiltration as there is no infiltrating soils. The Proposers should review the geotechnical information included in the RFP.

7) The selected Contractor will be working in the entire neighborhood, with Pittsfield Elementary School in the middle of the neighborhood.

8) There is no off-street parking in the neighborhood (see Section D. *Project Coordination* below).

B. Schedule and Phasing:
1) Note **Project Schedule and Payment** Detailed Specification for schedule and phasing information for basis of proposal.
2) Contractor may submit an alternative schedule for Owner review that adheres to the general scheduling requirements listed.
i. Phase 1 (2025)
ii. Phase 2 (2026)
1. Phasing drawing is included in plans
2. The Owner is open to other phasing proposed by the Contractor, but it needs to keep access open to Pittsfield Elementary School and needs to try to avoid two adjacent blocks being under construction at the same time removing parking from both blocks
3. It is envisioned that work at the Pittsfield Elementary School property, since it is off the road, is available to be done next winter (2025/2026)
3) Work on roads adjacent to Pittsfield Elementary School, and work on Pittsfield Boulevard from Washtenaw to Parkwood must occur during Ann Arbor Public Schools summer break.

C. Access:
1) Acceptable alternate routes to Pittsfield Elementary School must be maintained for school traffic.
2) A continuous stretch of no more than 850 LF of roadway may be disturbed at a given time except for Norwood from Bellwood Avenue to Pittsfield Boulevard.
i. This is intended to be a "block-by-block" approach
ii. Phase 1 is intended to include Parkwood/Jeanne at the north end of the neighborhood along with work in the south, provided that the work in these two areas doesn't interfere with each other

D. Project Coordination:
1) The Pittsfield Village neighborhood has no off-street parking, and additional coordination is required to ensure resident access to parking and to provide ample notification on available parking locations.

2) For residents with accessibility concerns, the Contractor shall coordinate with the Engineer to develop an access plan specific to that resident's unit. It is estimated that 25 units will require specific coordination during the project.
    i. This may include building temporary gravel parking areas for these particular residents. There are quantities in contract for this potential work. This will be handled on a case-by-case basis.
3) The Contractor shall submit weekly updates to the Engineer on status of local road closures and on-street parking availability so the project website can be updated on a weekly basis.
4) The Contractor shall provide two representatives to attend in-person public information meetings for the project currently scheduled for late March/early April 2025 and March 2026, including attending up to two preparation meetings in advance with the project team.

E. AC Water Main Removal:
    1) Note **AC Water Main Removal** Detailed Specification for requirements on abandonment of existing AC water main pipes in the project area.

F. Trees and Plantings:
    1) The project includes a $30,000 allowance to be included in the bid proposal. The extent and specifics of the plantings will be determined during construction.
        i. The proposal plan set doesn't include a specific planting plan(s). They may be included in the upcoming addendum, or they may be generated for construction.
    2) The Contractor shall provide a one-year guarantee period for the trees and landscaping materials.

G. Permits
    1) PA 399 Permit (Water Main Construction) – Permit has been submitted to EGLE and receipt is anticipated prior to the start of construction.
    2) Part 41 Permit (Sanitary Sewer Construction) – Permit has been submitted to EGLE and receipt is anticipated prior to the start of construction.
    3) Joint Permit (Floodplain) – Permit is being submitted to EGLE and receipt is anticipated prior to the start of construction.
    4) Washtenaw County Water Resources Commission (WCWRC) Drain Permit – Permits are being submitted to WCWRC and receipt is anticipated prior to the start of construction.
    5) Soil Erosion Control Permit – City of Ann Arbor
        i. To be obtained by Contractor. Fee is waived by the City
    6) City Right-of-Way Permit – City of Ann Arbor
        i. To be obtained by Contractor. Fee is waived by the City
    7) MDOT Right-of-Way Permit – Advanced warning signage in Washtenaw Ave. (MDOT) right-of-way during Phase 2 so permit not required until 2026.
        i. Signage plan will be included with Addendum

H. Site Specific Requirements
    1) Reference Geotechnical report in the Contract Documents.

5. Questions and Answers

Question: *Is there a designated staging area?*
Response: No. It is anticipated that the Contractor will stage in the road where they are working.

Question: *On Sheet 22 – Phasing: Is it the case that the Contractor can't start phase 1A until 1B is totally done?*
Response: The color phasing map will be included in the Addendum for easier review/understanding by the Proposers.

Question: *How will Liquidated Damages be handled with regard to the phasing?*
Response: Liquidated Damages will be based on the completion of each phase.

Question: *Is the school area available for temporary parking for the residents?*
Response: No, not at this time. The property ownership is messy/unclear so temporary easements at the school cannot be provided at the start of the project. That is why the work at the school is not scheduled/anticipated until winter of 2025/2026 to get the ownership worked out.

Question: Do the residential condo units have basements or are they slab on grade?
Response: Most have basements, but they are not deep, full-depth basements. The sanitary sewer is fairly shallow through most of the neighborhood.

Question: Has DTE recently done work on the gas mains in the neighborhood?
Response: No, the project tried to coordinate with DTE but that hasn't happened.

OHM Statement: Regarding the existing water services, generally speaking there is one water service for every two units. The City is doing replacement of some existing service taps/leads but they are not adding services to every individual unit. Also, the City doing this work to remove two existing master meters serving the neighborhood.

Question: Is there generally one sanitary service lead per building?
Response: Generally, on the long side of the street there is one lead per building, and on the short side there is a lead for each unit. The work should only be touching the sanitary leads on the Norwood sanitary sewer replacement, as the other work has been designed to be above or below these leads.

Question: Will there be conflicts with sanitary leads and new storm sewer?
Response: The location of the leads was determined during the design, and the storm sewers were designed to accommodate them. The sanitary leads will be shown on the storm profiles.

OHM Statement: For water service leads, the City will use jumpers for reconnection of the existing service leads to the new main, they will not be going all the way to the curb box. The City will install the lead jumpers and taps with the Contractor digging the trench. The Bid Form quantities include a minimum 5' length for short side water service lead trenches.

Pittsfield Village
Phasing Plan

Summer 2026 7a
Spring 2025 4a
Spring 2025 4a
Fall 2026 8a
Spring 2026 6b
Fall 2025 4b
Jeanne St
Spring 2026 6a
Fall 2026 8c
Carolyn St
Fall 2026 8d
Fall 2026 8b
Summer 2026 7c
Richard St
Summer 2026 7b
Winter 2025-2026 5a
Fall 2025 3c
Oakwood St
Summer 2025 2c
Summer 2025 2b
Spring 2025 1b
Spring 2025 1a
Fall 2025 3b
Spring 2025 1c
Fall 2025 3a
Summer 2025 2a

Schuron Pkwy
Access
Bristol Ct
Pinecrest Ave
Margaret Dr
Darrow Dr
Parkwood Ave
Edgewood Dr
Yost Blvd
Eli Dr
Ballwood Ave
Parkwood Ave
Brandywine Dr
Norwood St
Terhune Rd
Pittsfield Blvd
Packard Rd
Whitewood St
Tumberry Ln

Legend

Phasing

Timeline

- Spring 2025
- Summer 2025
- Fall 2025
- Winter 2025-2026
- Spring 2026
- Summer 2026
- Fall 2026

14 total

10 total

Project Title:	**Pittsfield Village Improvements**	**Project Number:**	**RFP# 25-06**
Meeting Date and Time:	**Thursday, January 9, 2025 at 1:00 pm**	**Meeting Location:**	**Ann Arbor City Hall, Basement Conf. Room, 301 E. Huron St. Ann Arbor, MI 48104**

PRE-PROPOSAL MEETING SIGN IN SHEET

Name	Contractor/Representing	Email	Phone
Igor Kotlyar	City of Ann Arbor – Engineering	ikotlyar@a2gov.org	734-794-6410 x 43634
Chris Elenbaas	OHM Advisors	chris.elenbaas@ohm-advisors.com	734-358-2029
Cresson Slotten	OHM Advisors	cresson.slotten@ohm-advisors.com	734-323-3784
TJ Lentner	OHM Advisors	thomas.lentner@ohm-advisors.com	734-368-7276
Ryan Doski	Major Contracting	Rdoski@majorcontracting.com	248-431-2941
Ben Spada	DiPonio Contracting	bspada@diponiocontracting.com	586-997-4150
Brian Erickson	Anglin Civil	G.Erickson@anglincivil.com	734-464-2600
Tucker Dye	Anglin Civil	T.Dye@anglincivil.com	810-931-1762
Andrew Riber	Prime Construction Co.	admin@primeconstructionco.net	734-968-5418

Project Title:	**Pittsfield Village Improvements**	**Project Number:**	**RFP# 25-06**
Meeting Date and Time:	**Thursday, January 9, 2025 at 1:00 pm**	**Meeting Location:**	**Ann Arbor City Hall, Basement Conf. Room, 301 E. Huron St. Ann Arbor, MI 48104**

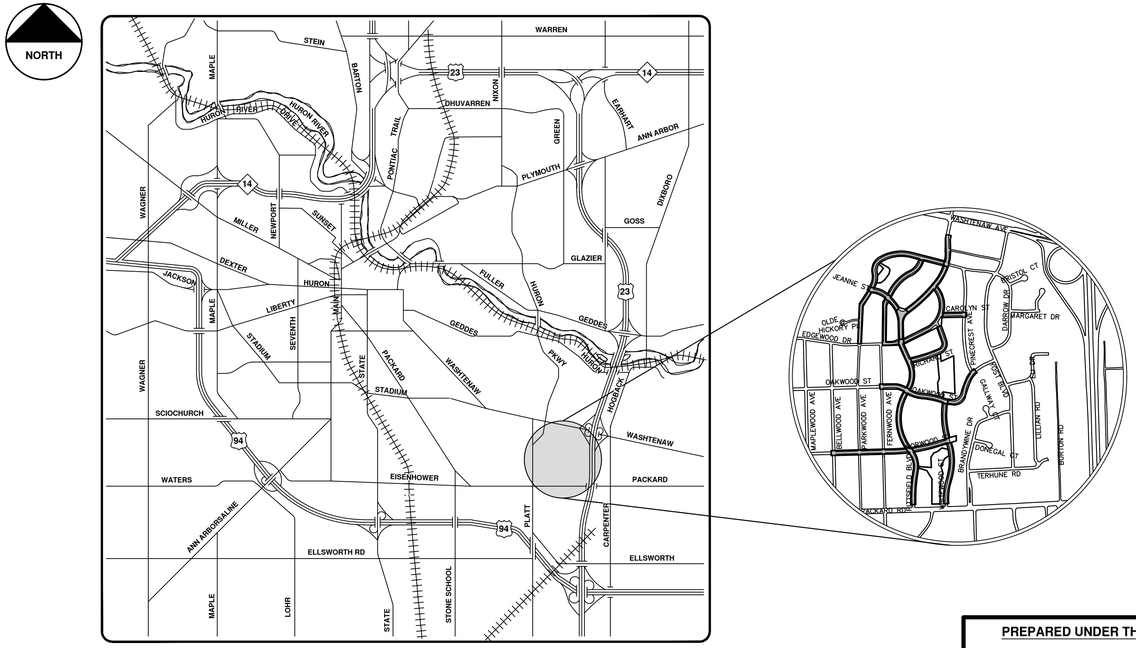
PRE-PROPOSAL MEETING SIGN IN SHEET

Name	Contractor/Representing	Email	Phone
John Niemiec	ET MacKenzie Company	jniemiec@mackenzieco.com	734-761-5050
Mike Haeussler	ET MacKenzie Company	mhaeussler@mackenzieco.com	734-260-1732
Brendan Fons	Fonson Company	bfons@fonsoninc.com	810-231-5188
Mike Fraker	MBC	mikefraker@mbcholdings.com	734-260-5784
Richard Hinson	Verdeterre	richard@verdeterre.net	734-355-5594

CITY OF ANN ARBOR
ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

BID No. RFP NO. 25-06, FILE No. 2022-031



VICINITY MAP

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS, IT'S DETAILS, WHICH ARE INCLUDED BY REFERENCE, AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.

PREPARED UNDER THE SUPERVISION OF

STATE OF MICHIGAN
CHRISTOPHER JAY ELENBAAS
ENGINEER
No. 6201056730
LICENSED PROFESSIONAL ENGINEER

CHRISTOPHER JAY ELENBAAS, P.E.
PROJECT MANAGER

12/22/2024
DATE

CITY APPROVAL

STATE OF MICHIGAN
IGOR V. KOTLYAR
ENGINEER
No. 6201043287
LICENSED PROFESSIONAL ENGINEER

IGOR KOTLYAR, P.E.
PROJECT MANAGER

12/19/2024
DATE

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

Know what's below. Call before you dig. 811

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734.794.6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

THIS PROJECT INCLUDED WATER MAIN REPLACEMENT, STORM WATER IMPROVEMENTS, SANITARY SEWER REPLACEMENT AND ROAD RESURFACING WITH THE PITTSFIELD VILLAGE NEIGHBORHOOD AND ADJACENT ROADS.

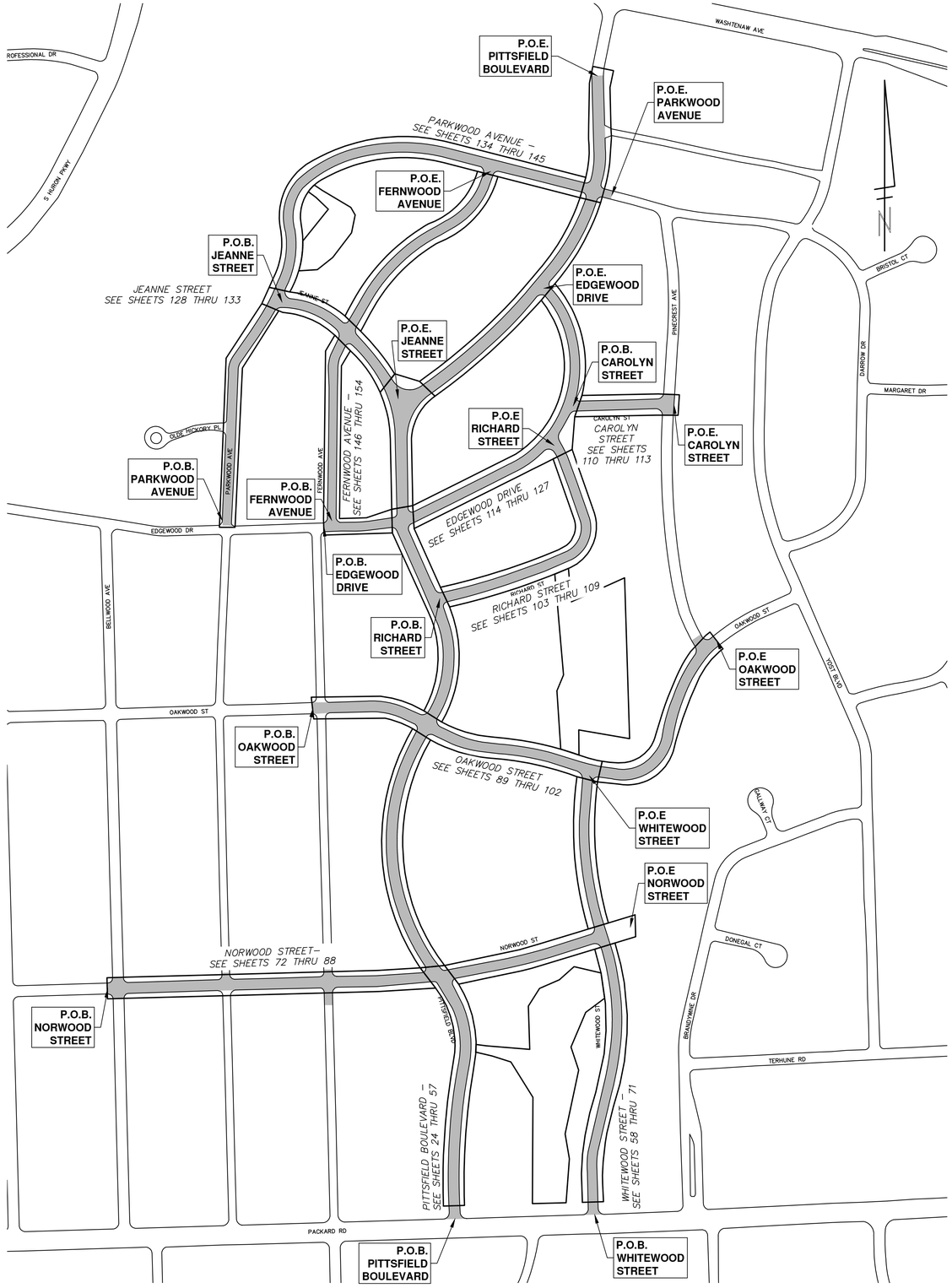
SCALE

DRAWING No.
2022-031-1

SHEET No.
1 OF 167

© PITTSFIELD VILLAGE IMPROVEMENTS; BID NO. RFP NO. 25-06; 2022-031

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Misc\230050COV.dwg — _a2 standard bw.stb — Plot Date: 1/23/2025 12:39:48 PM



Sheet List Table	
Sheet Number	Sheet Title
1	COVER
2	SHEET INDEX
3	STANDARD NOTES
4	LEGEND
5	SURVEY CONTROL POINTS
	TYPICAL CROSS SECTIONS
6	PITTSFIELD BOULEVARD
7	WHITEWOOD STREET
8	NORWOOD STREET
9	NORWOOD STREET
10	OAKWOOD STREET
11	OAKWOOD STREET
12	RICHARD STREET
13	CAROLYN STREET
14	JEANNE STREET
15	EDGEWOOD DRIVE
16	EDGEWOOD DRIVE
17	PARKWOOD AVENUE
18	PARKWOOD AVENUE
19	FERNWOOD AVENUE
20	FERNWOOD AVENUE
21	PHASING PLAN
22	MISCELLANEOUS DETAILS
23	STANDARD SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND DETAIL
	PITTSFIELD BOULEVARD
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25	REMOVAL PLAN (STA 107+50 TO STA 116+50)
26	REMOVAL PLAN (STA 116+50 TO STA 124+00)
27	REMOVAL PLAN (STA 124+00 TO STA 131+50)
28	REMOVAL PLAN (STA 131+50 TO STA 139+00)
29	REMOVAL PLAN (STA 139+00 TO STA 142+00)
30	ROAD PLAN (STA 100+00 TO STA 103+50)
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32	ROAD PLAN (STA 107+50 TO STA 112+00)
33	ROAD PLAN (STA 112+00 TO 116+50)
34	ROAD PLAN (STA 116+50 TO STA 120+00)
35	ROAD PLAN (STA 120+00 TO STA 124+00)
36	ROAD PLAN (STA 124+00 TO STA 127+50)
37	ROAD PLAN (STA 127+50 TO STA 131+50)
38	ROAD PLAN (STA 131+50 TO STA 135+00)
39	ROAD PLAN (STA 135+00 TO STA 139+00)
40	ROAD PLAN (STA 139+00 TO STA 142+00)
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44	WATER MAIN PLAN (STA 162+00 TO STA 166+50)
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56	STORM SEWER PLAN (STA 25+00 TO STA 30+58)
57	STORM SEWER INLET CONNECTION PROFILES
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58	REMOVAL PLAN (STA 200+00. TO STA 207+50)
59	REMOVAL PLAN (STA 207+50 TO STA 214+43)
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65	WATER MAIN PLAN (STA 223+50 TO STA 227+50)
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Sheet List Table	
Sheet Number	Sheet Title
	NORWOOD STREET
72	REMOVAL PLAN (STA 300+00 TO STA 312+50)
73	REMOVAL PLAN (STA 312+50 TO STA 316+00)
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79	WATER MAIN PLAN (STA 323+00 TO STA 325+42)
80	STORM SEWER PLAN (STA 330+00 TO STA 334+00)
81	STORM SEWER PLAN (STA 334+00 TO STA 338+00)
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84	STORM SEWER INLET CONNECTION PROFILES
85	SANITARY SEWER PLAN (STA 3000+00 TO STA 3004+00)
86	SANITARY SEWER PLAN (STA 3004+00 TO 3008+00)
87	SANITARY SEWER PLAN (STA 3008+00 TO STA 3012+50)
88	SANITARY SEWER PLAN (STA 3012+50 TO STA 3017+10)
	OAKWOOD STREET
89	REMOVAL PLAN (STA 400+00 TO STA 408+50)
90	REMOVAL PLAN (STA 408+50 TO STA 414+50)
91	REMOVAL PLAN (STA 414+50 TO STA 418+63)
92	ROAD PLAN (STA 400+00. TO STA 404+50)
93	ROAD PLAN (STA 404+50 TO STA 408+50)
94	ROAD PLAN (STA 408+50 TO 411+50)
95	ROAD PLAN (STA 411+50 TO 414+50)
96	ROAD PLAN (STA 414+50 TO STA 418+63)
97	WATER MAIN PLAN (STA 450+00 TO STA 450+95)
98	STORM SEWER PLAN (STA 420+00 TO STA 424+00)
99	STORM SEWER PLAN (STA 424+00 TO STA 428+00)
100	STORM SEWER PLAN (STA 428+00 TO STA 432+26)
101	STORM SEWER INLET CONNECTION PROFILES
102	SANITARY SEWER PLAN (STA 4000+00 TO STA 4002+46)
	RICHARD STREET
103	REMOVAL PLAN (STA 500+00 TO STA 508+59)
104	ROAD PLAN (STA 500+00. TO STA 504+50)
105	ROAD PLAN (STA 504+50 TO STA 508+59)
106	WATER MAIN PLAN (STA 510+00. TO STA 514+50)
107	WATER MAIN PLAN (STA 514+50 TO STA 518+68)
108	STORM SEWER PLAN (STA 520+00. TO STA 522+50)
109	STORM SEWER PLAN (STA 522+50 TO STA 526+85)
	CAROLYN STREET
110	REMOVAL PLAN (STA 550+00 to STA 553+34
111	ROAD PLAN (STA 550+00 TO STA 553+34)
112	WATER MAIN PLAN (STA 560+00 TO STA 563+36)
113	STORM SEWER PLAN (STA 575+00 TO STA 575+40)
	EDGEWOOD DRIVE
114	REMOVAL PLAN (STA 600+00 TO STA 608+50)
115	REMOVAL PLAN (STA 608+50 TO STA 616+67)
116	ROAD PLAN (STA 600+00 TO STA 604+50)
117	ROAD PLAN (STA 604+50 TO STA 608+50)
118	ROAD PLAN (STA 608+50 TO STA 612+50)
119	ROAD PLAN (STA 612+50 TO STA 616+67)
120	WATER MAIN PLAN (STA 620+00 TO STA 622+00)
121	WATER MAIN PLAN (STA 622+00 TO STA 626+50)
122	WATER MAIN PLAN (STA 626+50 TO STA 630+50)
123	WATER MAIN PLAN (STA 630+50 TO STA 633+17)
124	STORM SEWER PLAN (STA 640+00 TO STA 642+00)
125	STORM SEWER PLAN (STA 642+00 TO 646+00)
126	STORM SEWER PLAN (STA 646+00 TO STA 651+00)
127	STORM SEWER INLET CONNECTION PROFILES
	JEANNE STREET
128	REMOVAL PLAN (STA 700+00 to STA 706+15)
129	ROAD PLAN (STA 700+00 TO STA 703+50)
130	ROAD PLAN (STA 703+50 TO 706+15)
131	WATER MAIN PLAN (STA 710+00 TO STA 712+55)
132	STORM SEWER PLAN (STA 720+00 TO STA 723+50)
133	STORM SEWER PLAN (STA 723+50 TO STA 728+14)

Sheet List Table	
Sheet Number	Sheet Title
	PARKWOOD AVENUE
134	REMOVAL PLAN (STA 800+00 TO STA 808+00)
135	REMOVAL PLAN (STA 808+00 TO STA 816+00)
136	REMOVAL PLAN (STA 816+00 TO STA 821+50)
137	ROAD PLAN (STA 800+00 TO STA 804+00)
138	ROAD PLAN (STA 804+00 TO STA 808+00)
139	ROAD PLAN (STA 808+00 TO STA 812+00)
140	ROAD PLAN (STA 812+00 TO STA 816+00)
141	ROAD PLAN (STA 816+00 TO STA 819+00)
142	ROAD PLAN (STA 819+00 TO STA 821+60)
143	STORM SEWER PLAN (STA 850+00 TO STA 852+50)
144	STORM SEWER PLAN (STA 852+50 TO 855+50)
145	STORM SEWER PLAN (STA 855+50 TO STA 860+00)
	FERNWOOD AVENUE
146	REMOVAL PLAN (STA 900+00 TO STA 909+00)
147	REMOVAL PLAN (STA 909+00 TO STA 913+28)
148	ROAD PLAN (STA 900+00 TO STA 904+50)
149	ROAD PLAN (STA 904+50 TO STA 909+00)
150	ROAD PLAN (STA 909+00 TO STA 913+28)
151	WATER MAIN PLAN (STA 920+00 TO STA 924+00)
152	WATER MAIN PLAN (STA 924+00 TO STA 929+00)
153	WATER MAIN PLAN (STA 929+50 TO STA 933+20)
154	STORM SEWER PLAN (STA 950+00 TO STA 953+13)
	DETAILED GRADING
155	INTERSECTION GRADING
156	INTERSECTION GRADING
157	INTERSECTION GRADING
158	INTERSECTION GRADING
159	SCHOOL DETENTION BASIN
160	SOUTH DETENTION BASIN
161	PARKWOOD DETENTION BASIN
162	STORMWATER DETAILS
163	TAPR Details - Alternate Pedestrian Route (APR) Detour
164	TAPR Details - Alternate Pedestrian Route (APR) Bypass
165	TAPR Details - TPAR Ramps
166	TAPR Details - TPAR Walkway Devices
167	DETOUR

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

SHEET INDEX

SCALE PLAN: 1" = 200'

DRAWING No. 2022-031-2

SHEET No. 2 OF 167

© PITTSFIELD VILLAGE IMPROVEMENTS; BID No. RFP NO. 25-06; 2022-031

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Misc\230050COV.dwg – _a2 standard bw.stb – Plot Date: 1/23/2025 12:40:04 PM

CONSTRUCTION NOTES:

1. DRIVEWAYS AND ENTRANCES TO BUILDINGS, REAL PROPERTY, AND THE LIKE SHALL NOT BE BLOCKED EXCEPT FOR SHORT DURATIONS AND ONLY WHEN APPROVED BY THE ENGINEER. VEHICULAR AND PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL NECESSARY DRIVEWAY CLOSURES WITH THE PROPERTY OWNER(S) AND RESIDENT(S) IN THE AREAS OF CONSTRUCTION.

2. THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND SERVICE LEADS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

3. LOCATION AND DEPTH OF UTILITIES AS DEPICTED ON THE PLANS IS APPROXIMATE AND SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE AHEAD AND ADJUST DEPTH OF CONFLICT UTILITIES ACCORDINGLY. ANY DAMAGE TO UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY TO AVOID AND/OR REPAIR AS NECESSARY.

4. THE CONTRACTOR IS TO TAKE SPECIAL CARE TO PROTECT THE EXISTING WATER MAIN AND BE RESPONSIBLE FOR MAINTAINING CONSISTENT WATER SERVICE.

5. DURING NON-WORKING HOURS NO TRENCH SHALL REMAIN OPEN; ANY OPEN TRENCH SHALL BE PROPERLY SECURED WITH PROTECTIVE FENCING. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".

6. TRENCHES FOR NEW WATER SERVICES SHALL BE EXCAVATED TO MIOSHA AND CITY OF ANN ARBOR PUBLIC WORKS REQUIREMENTS.

7. CITY OF ANN ARBOR PUBLIC WORKS WILL INSTALL THE CORPORATION AND COPPER SERVICE LEAD(S) TO TRANSFER THE CONNECTION(S). IF AN EXISTING WATER SERVICE IS FOUND TO BE FAILING OR IS NOT COPPER, THE LEAD WILL BE REPLACED TO THE CURB BOX BY PUBLIC WORKS.

8. FOR THE INSTALLATION OF CORPORATIONS, OR ANY OTHER RELATED ACTIVITIES, THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR DELAYS DUE TO THE SCHEDULING OF OR COORDINATION WITH THE CITY OF ANN ARBOR PUBLIC WORKS.

9. THE CONTRACTOR SHALL BACKFILL TRENCHES IN ACCORDANCE WITH TRENCH DETAIL SPECIFIED ON PLANS. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "EXCAVATE AND BACKFILL FOR WATER SERVICE TAP AND LEAD". ALL CONCRETE REMOVALS AND REPLACEMENTS REQUIRED FOR THIS WORK WILL BE PAID FOR SEPARATELY.

10. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLYETHYLENE WRAPPED PER ANSI/AWWA C105/A21.5.

11. COR-BLU BOLTS TO BE USED AT ALL MECHANICAL WATER MAIN JOINTS AT HYDRANTS AND MEGALUG FITTINGS

12. THE CONTRACTOR SHALL CONSTRUCT, FLUSH, AND BACTERIOLOGICALLY TEST THE WATER MAIN PER DETAILED SPECIFICATION "WATER MAIN INSTALLATION AND TESTING" AND AS APPROVED BY THE ENGINEER. ALL CHLORINATED WATER SHALL BE DISCHARGED DIRECTLY INTO AN APPROVED SANITARY SEWER. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY HOSES, FITTINGS AND THE LIKE TO ACCOMPLISH THIS WORK.

13. WATER MAIN FITTINGS, OTHER THAN THOSE SPECIFICALLY LISTED AS SEPARATE PAY ITEMS, WHICH ARE REQUIRED TO COMPLETE THE WORK, SUCH AS BLOW-OFF ASSEMBLIES, CONCRETE THRUST BLOCKS, SOLID SLEEVES AND MECHANICAL PLUGS, SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE PIPE PAY ITEMS.

14. "NO PARKING" SIGNS SHALL BE INSTALLED BY THE CONTRACTOR AT LOCATIONS AS APPROVED OR DIRECTED BY THE ENGINEER. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS.

15. POSTAL DELIVERY AND REFUSE PICKUP SERVICE SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.

16. ALL FITTINGS, HYDRANTS, VALVES AND CASTINGS REMOVED DURING CONSTRUCTION ARE THE PROPERTY OF THE CITY OF ANN ARBOR. THE CONTRACTOR WITHIN 48 HOURS SHALL DELIVER TO CITY OF ANN ARBOR PUBLIC WORKS FACILITY AT THE W.R. WHEELER SERVICE CENTER LOCATED AT 4251 STONE SCHOOL ROAD.

17. WHERE STREET CURBS ARE UNDERMINED DUE TO CONSTRUCTION ACTIVITIES, THEY SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS MAINTENANCE OF THE TEMPORARY ROAD SURFACE AND SOIL EROSION CONTROL MEASURES WITHIN THE CONSTRUCTION AREA UNTIL THE FULL COMPLETION OF THE PROJECT. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".

19. ALL CURB, SIDEWALK, DRIVEWAY APPROACH REMOVALS SHALL BE APPROVED BY ENGINEER BEFORE THE WORK IS DONE.

20. SAWED SEWER PIPE CONNECTIONS SHALL BE COUPLED WITH A FERNCO FLEXIBLE COUPLING AND A STAINLESS STEEL SHEAR RING.

21. THE LOCATION OF MATERIAL STOCK PILES AND ON-SITE STAGING AREAS TO BE APPROVED BY THE ENGINEER.

22. FOR MAINLINE PAVING, THE WIDTH OF THE MAT FOR EACH PASS OF THE PAVER SHALL BE NOT LESS THAN 10.5' OR GREATER THAN 15', AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DIRECT THE LAYOUT OF THE LONGITUDINAL JOINTS DURING CONSTRUCTION.

23. ALL STRUCTURES SHALL RECEIVE NEW CASTINGS AS DIRECTED BY THE ENGINEER, AS SPECIFIED ON THE STANDARD CASTING SCHEDULE. THE EXISTING CASTINGS ARE THE PROPERTY OF THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL DELIVER TO CITY OF ANN ARBOR PUBLIC WORKS FACILITY AT THE W.R. WHEELER SERVICE CENTER LOCATED AT 4251 STONE SCHOOL ROAD.

24. PAYMENT FOR DRAINAGE STRUCTURE SUMPS, WHERE SPECIFIED, SHALL BE INCLUDED IN THE PAYMENT FOR THE VARIOUS DRAINAGE STRUCTURE SIZES AND OR TYPES.

25. WHERE SEWER PIPES OF DIFFERENT SIZES OR MATERIALS ARE JOINED, FERNCO FLEXIBLE COUPLINGS WITH STAINLESS STEEL SHEAR RINGS SHALL BE USED. THE CONTRACTOR'S PURCHASE PRICE FOR THESE DEVICES, INCLUDING SHIPPING, SHALL BE PAID AS AN EXTRA. PRIOR TO PAYMENT FOR THIS ITEM, THE CONTRACTOR SHALL SUBMIT RECEIPTS FOR THE ENGINEER'S REVIEW AND APPROVAL. ALL OTHER COSTS ASSOCIATED WITH THE INSTALLATION OF THESE DEVICES SHALL BE INCLUDED IN THE PAYMENT FOR THE SEWER.

26. WHERE SEWER AND WATER MAIN ARE TO BE REMOVED & REPLACED OR ADDED, ALL PIPE SHALL BE INSTALLED USING TRENCH DETAIL DETAILED IN THE SPECIFICATIONS OR SHOWN ON PLANS. BACKFILL FOR SEWER AND WATER CONSTRUCTION SHALL BE MDOT GRANULAR MATERIAL, CLASS II, MODIFIED.

27. EXISTING STREET NAME, GUIDE, AND REGULATORY SIGNS, AND MAILBOXES WHICH CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED PRIOR TO CONSTRUCTION, STORED IN A MANNER WHICH WILL PREVENT DAMAGE, AND RE-SET IN LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN "MACHINE GRADING"

28. IN AREAS WHERE EDGE DRAIN CANNOT BE INSTALLED IN ACCORDANCE WITH CITY OF ANN ARBOR DETAIL SD-TD-11, THE EDGE DRAIN SHALL BE INSTALLED AT THE DEPTH AS INDICATED ON THE PLANS, OR AS DIRECTED BY ENGINEER. IN NO CASE SHALL THE EDGE DRAIN BE INSTALLED AT A GRADE LESS THAN 0.50% OR AT A DEPTH OF LESS THAN 2' BELOW TOP OF PROPOSED PAVEMENT.

29. ALL AGGREGATE ON THE PROJECT SHALL BE LIMESTONE BASED. CRUSHED CONCRETE AGGREGATE IS NOT PERMITTED.

GENERAL
NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.

2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, CHAPTER 55 ANN ARBOR UNIFIED DEVELOPMENT CODE, CITY OF ANN ARBOR STANDARDS DIVISION VII, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.

4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.

5. ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR.

6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.

7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.

8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.

9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR DUST PALLATIVE AS REQUIRED.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.

11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.

12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

1. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.

1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.

1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.

1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).

1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.

1.6. COMPLETE ALL FINE GRADING.

1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.

1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.

1.9. CLEAN OUT STORM SEWER SYSTEMS.

1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.

1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

AREA OF PROPOSED DISTURBANCE = 10.4 ACRES

CONTACT INFORMATION

PUBLIC UTILITIES	OWNER	CONTACT
WATER		
SANITARY		
STORM	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
FORESTRY		
SIGNS SIGNALS STREET LIGHTS		MARK MORENO (734) 794-6361
PRIVATE UTILITIES	**OWNER**	**CONTACT**
GAS	DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198	ROBERT CZAPIEWSKI (734) 544-7818
ELECTRIC	DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	ANTHONY IGNASIAK (734) 397-4447
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	RON SOUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	MARC GOODELL (313) 405-0574
FIBER OPTIC	MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082	DEAN BOYERS (972) 729-6016
FIBER OPTIC	WINDSTREAM 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532	GREG SERICH (810) 244-3500
STREET LIGHTING	DTE ENERGY 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	LANCE ALLEY (734) 397-4188

PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

PERMIT	ISSUING AUTHORITY
LANE CLOSURE PERMIT*	CITY OF ANN ARBOR ENGINEERING
"NO PARKING" SIGNS PERMIT*	CITY OF ANN ARBOR ENGINEERING
GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
RIGHT-OF-WAY PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
* NO COST TO CONTRACTOR	

PERMITS REQUIRED TO BE OBTAINED BY THE CITY OF ANN ARBOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

PERMIT	ISSUING AUTHORITY
EGLE JOINT PERMIT	MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
MDOT (WASHTENAW AVENUE SIGNAGE)	MICHIGAN DEPARTMENT OF TRANSPORTATION
EGLE NPDES PERMIT	MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
DRAIN USE PERMIT	WASHTENAW COUNTY WATER RESOURCES COMMISSIONER

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734.794.6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS
####

STANDARD NOTES

SCALE : NTS

DRAWING No.
2022-031-3

SHEET No.
3 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Misc\230050LEG_NOT.dwg - _a2 standard bw.stb - Plot Date: 1/23/2025 12:40:23 PM

EXISTING LEGEND

EX = EXISTING

- FIRE HYDRANT
- GATE VALVE IN BOX
- GATE VALVE IN WELL
- STOP BOX
- WATER VAULT
- WELL
- CATCH BASIN (SQ)
- CATCH BASIN (RD)
- STORM MANHOLE
- NON-CURB CATCH BASIN (SQ)
- END SECTION
- SANITARY MANHOLE
- CLEAN-OUT
- POST
- PEDESTRIAN SIGNAL
- SIGN
- HAND HOLE
- ORNAMENTAL LIGHT
- FLOOD LIGHT
- UNKNOWN MANHOLE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- GAS VALVE
- GAS VENT
- GAS BOX
- ELECTRICAL RISER
- TRANSFORMER
- UTILITY POLE
- LAMP POLE
- GUY ANCHOR
- GUY POLE
- MONITORING WELL
- MAILBOX
- SOIL BORING
- TRAVERSE POINT
- BENCH MARK
- IRON PIPE
- MON BOX

- WATER MAIN
- WATER MAIN ABANDONED
- STORM SEWER
- STORM SEWER ABANDONED
- SANITARY SEWER
- SANITARY SEWER ABANDONED
- GAS MAIN
- GAS MAIN (DEAD)
- ELECTRICAL OVER HEAD
- ELECTRICAL UNDER GROUND
- ELECTRICAL DUCT BANK
- TELEPHONE OVER HEAD
- TELEPHONE UNDER GROUND
- TELEPHONE DUCT BANK
- CABLE TV OVER HEAD
- CABLE TV UNDER GROUND
- FIBER OPTIC
- FIBER OPTIC DUCT BANK
- BOUNDARY
- BUILDING
- CENTERLINE OF DITCH
- CENTERLINE/CROWN OF ROAD
- CONTOUR MAJOR
- CONTOUR MINOR
- EDGE OF WATER
- FLOODPLAIN
- FENCE
- GRAVEL
- GUARDRAIL
- STONE WALL
- R.O.W.
- TREELINE
- WETLAND
- EDGE OF BRUSH
- HEDGE

- TREE (DECIDUOUS)
- TREE (CONIFEROUS)
- SHRUB (DECIDUOUS)
- STUMP
- TREE TO REMAIN & PROTECT (DECIDUOUS)
  CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10
- TREE TO REMAIN & PROTECT (CONIFEROUS)
  CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10

PROPOSED LEGEND

PROP = PROPOSED

- HYDRANT (PLAN)
- WATER GATE WELL
- REDUCER
- WATER GATE VALVE
- WATER STOP BOX
- WATER VAULT
- INLET
- DOUBLE INLET
- INLET JUNCTION CHAMBER
- ROUND CATCH BASIN
- STORM MANHOLE
- DRAIN ARROW
- FLARED END SECTION
- SANITARY MANHOLE
- CLEAN-OUT
- BARREL
- SIGN
- PUSH BUTTON
- HAND HOLE

- WATER MAIN
- STORM SEWER
- SANITARY SEWER
- FIBER OPTIC
- ELECTRICAL
- CENTERLINE OF DITCH
- CENTERLINE OF ROAD
- FENCE
- GRAVEL
- SILT FENCE
- PROTECTIVE FENCE
- GUARDRAIL
- LOT/UNIT
- CURB
- TEMPORARY GRADING PERMIT
- CONTOUR MAJOR
- CONTOUR MINOR
- WATER EASMENT
- STORM EASEMENT
- SANITARY EASEMENT
- R.O.W.
- LIMITS OF CONSTRUCTION
- LIMIT OF GRADING
- STONE WALL

- DETECTABLE WARNING
- ASPHALT
- CONCRETE
- SIDEWALK
- LEVEL LANDING
- TREE (DECIDUOUS)
- TREE (CONIFEROUS)
- TREE TO BE REMOVED (DECIDUOUS)
- TREE TO BE REMOVED (CONIFEROUS)
- STUMP TO BE REMOVED

Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734.794.6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

####

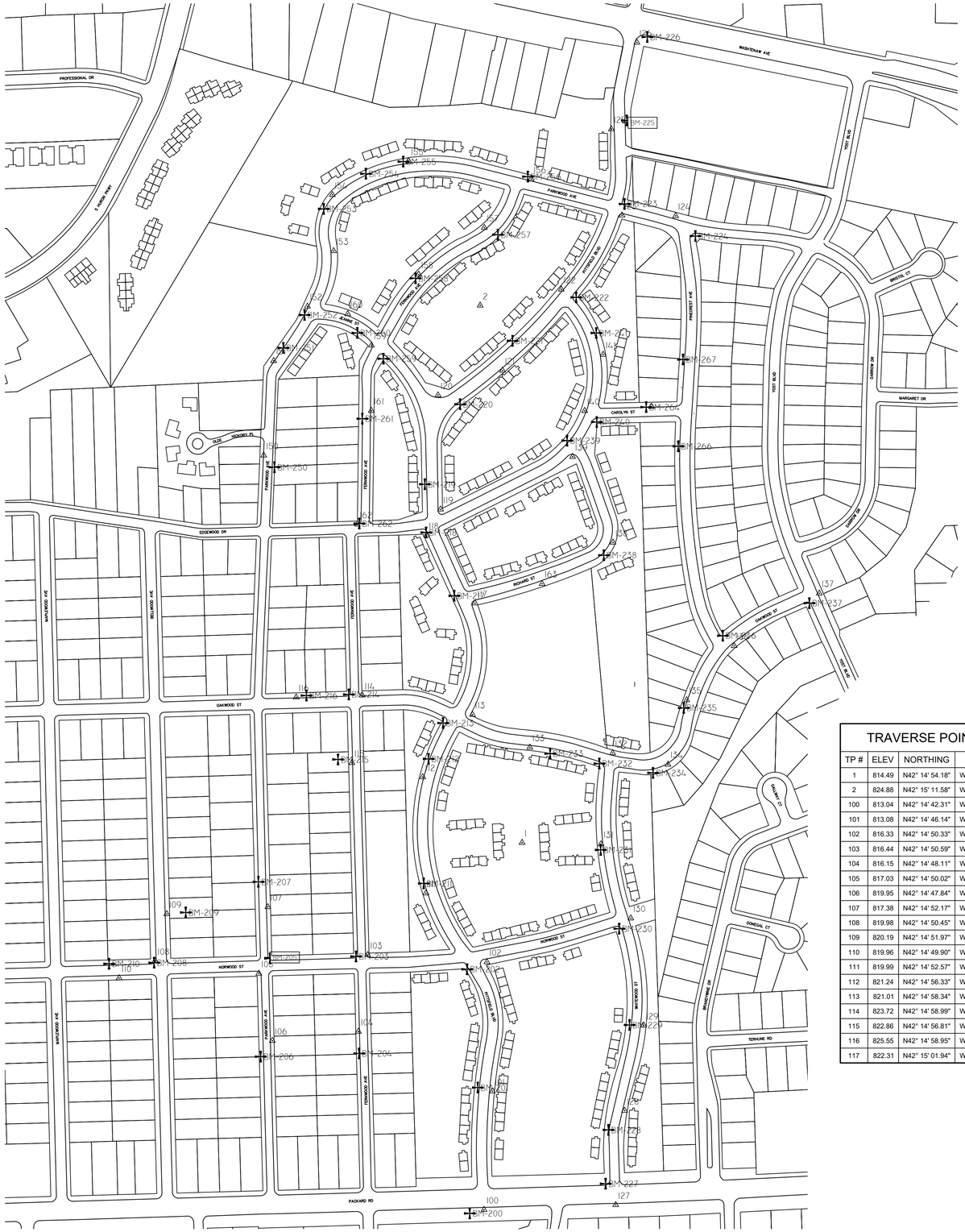
LEGEND

SCALE : NTS

DRAWING No. 2022-031-4

SHEET No. 4 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Misc\230050LEG_NOT.dwg — _a2 standard bw.stb — Plot Date: 1/23/2025 12:40:27 PM



P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Misc\230050LEG_NOT.dwg — a2 standard bw.stb — Plot Date: 1/23/2025 12:40:34 PM

BENCHMARKS

BM #	ELEV	NORTHING	EASTING	DESCRIPTION
200	814.65	N42° 14' 42.20"	W83° 41' 33.44"	SET COTTON SPINDLE IN N/FACE UTIL POLE S/SIDE OF PACKARD ±50' SW OF TP#108
201	813.95	N42° 14' 46.27"	W83° 41' 33.05"	SET COTTON SPINDLE IN E/FACE UTIL POLE W/SIDE PITTSFIELD INFRONT OF HSE#2830
202	817.70	N42° 14' 50.10"	W83° 41' 33.47"	SET COTTON SPRINDLE IN E/FACE UTIL POLE IN SW QUAD PITTSFIELD & NORWOOD
203	816.27	N42° 14' 50.54"	W83° 41' 38.30"	SET COTTON SPINDLE IN F/FACE LIGHT POLE IN NW QUAD NORWOOD & FERNWOOD
204	817.05	N42° 14' 47.40"	W83° 41' 38.20"	SET COTTON SPINDLE IN E/FACE LIGHT POLE W/SIDE OF FERWOOD INFRONT OF HSE#2872
205	816.79	N42° 14' 50.50"	W83° 41' 42.05"	SET COTTON SPINDLE IN S/FACE LIGHT POLE IN NE QUAD NORWOOD & PARKWOOD
206	821.40	N42° 14' 47.33"	W83° 41' 42.49"	SET COTTON SPINDLE IN E/FACE LIGHT POLE ON W/SIDE OF PARKWOOD INFRONT OF HSE#2848
207	818.35	N42° 14' 52.98"	W83° 41' 42.53"	SET COTTON SPINDLE IN E/FACE LIGHT POLE ON W/SIDE OF PARKWOOD INFRONT OF HSE#2730
208	820.10	N42° 14' 50.39"	W83° 41' 47.10"	SET COTTON SPINDLE IN SE/FACE LIGHT POLE IN NW QUAD NORWOOD & BELLWOOD
209	822.67	N42° 14' 52.01"	W83° 41' 45.70"	SET SW COR OF FIRST STEP TO PORCH OF HSE#2735
210	821.41	N42° 14' 50.37"	W83° 41' 49.06"	SET COTTON SPINDLE IN S/FACE UTIL POLE N/SIDE OF NORWOOD ±62' NW OF TP#110
211	820.84	N42° 14' 52.89"	W83° 41' 35.33"	SET COTTON SPINDLE IN E/FACE UTIL POLE W/SIDE OF PITTSFIELD ±38' N OF TP#111
212	821.86	N42° 14' 56.92"	W83° 41' 35.07"	SET COTTON SPINDLE IN E/FACE UTILI POLE W/SIDE OF PITTSFIELD INFRONT OF HSE#2606
213	822.70	N42° 14' 58.07"	W83° 41' 34.43"	SET COTTON SPINDLE IN E/FACE UTIL POLE SW QUAD PITTSFIELD & OAKWOOD
214	824.65	N42° 14' 59.02"	W83° 41' 38.52"	SET COTTON SPINDLE IN SE/FACE LIGHT POLE IN NW QUAD OAKWOOD & FERNWOOD
215	825.77	N42° 14' 56.92"	W83° 41' 39.02"	SET NE COR OF FRONT PORCH OF HSE#2648 ON W/SIDE OF FERNWOOD
216	825.71	N42° 14' 59.00"	W83° 41' 40.37"	SET COTTON SPINDLE IN S/FACE TELE POLE AT HSE#3313
217	824.03	N42° 15' 02.19"	W83° 41' 33.90"	SET COTTON SPINDLE IN E/FACE UTIL POLE IN NW QUAD PITTSFIELD & RICHARD
218	826.28	N42° 15' 04.25"	W83° 41' 35.10"	SET COTTON SPINDLE IN E/FACE UTIL POLE IN SW QUAD PITTSFIELD & EDGEWOOD
219	824.93	N42° 15' 05.81"	W83° 41' 35.14"	SET COTTON SPINDLE IN E/FACE UTIL POLE W/SIDE OF PITTSFIELD INFRONT OF HSE#2422

BENCHMARKS

BM #	ELEV	NORTHING	EASTING	DESCRIPTION
220	827.05	N42° 15' 08.39"	W83° 41' 33.57"	SET COTTON SPINDLE IN W/FACE UTIL POLE E/SIDE OF PITTSFIELD INFRONT OF HSE#2403
221	828.71	N42° 15' 10.42"	W83° 41' 31.27"	SET COTTON SPINDLE IN E/FACE UTIL POLE W/SIDE PTTSFIELD INFRONT OF HSE#2314
222	827.65	N42° 15' 11.81"	W83° 41' 28.48"	SET COTTON SPINDLE IN W/FACE UTIL POLE ON NE QUAD PITTSFIELD & EDGEWOOD
223	826.04	N42° 15' 14.82"	W83° 41' 26.34"	SET COTTON SPINDLE IN SW FACE UTIL POLE IN NE QUAD PITTSFIELD & PARKWOOD
224	827.10	N42° 15' 13.77"	W83° 41' 23.26"	SET COTTON SPINDLE IN W/FACE LIGHT POLE IN SE QUAD PARKWOOD & PINECREST
225	823.32	N42° 15' 17.53"	W83° 41' 26.21"	SET COTTON SPINDLE IN W/FACE LIGHT POLE E/SIDE PITTSFIELD ACROSS FROM TP#125
226	826.63	N42° 15' 20.22"	W83° 41' 25.29"	SET SW BOLT OF LIGHT POLE BASE SE QUAD PITTSFIELD & WASHTENAW
227	815.74	N42° 14' 43.12"	W83° 41' 27.51"	SET COTTON SPINDLE E/FACE LIGHT POLE IN NW QUAD PACKARD & WHITEWOOD
228	814.04	N42° 14' 44.87"	W83° 41' 27.37"	SET COTTON SPINDLE IN E/FACE UTIL POLE W/SIDE WHITEWOOD INFRONT OF HSE#2842
229	815.65	N42° 14' 48.26"	W83° 41' 26.41"	SET COTTON SPINDLE IN E/FACE LIGHT POLE W/SIDE WHITEWOOD INFRONT OF HSE#2818
230	809.53	N42° 14' 51.37"	W83° 41' 26.83"	SET COTTON SPINDLE IN E/FACE LIGHT POLE SW QUAD WHITEWOOD & NORWOOD
231	810.41	N42° 14' 53.93"	W83° 41' 27.61"	SET COTTON SPINDLE IN E/FACE UTIL POLE W/SIDE WHITEWOOD ±19' S OF TP#131
232	810.79	N42° 14' 56.72"	W83° 41' 27.63"	SET COTTON SPINDLE IN NE/FACE UTIL POLE SW QUAD WHITEWOOD & OAKWOOD
233	815.69	N42° 14' 57.06"	W83° 41' 29.77"	SET COTTON SPINDLE IN N/FACE UTIL POLE W/SIDE OF OAKWOOD INFRONT OF HSE#3422
234	808.83	N42° 14' 56.41"	W83° 41' 25.30"	SET COTTON SPINDLE IN NE/FACE LIGHT POLE S/SIDE OF OAKWOOD INFRONT OF HSE#3544
235	807.47	N42° 14' 58.50"	W83° 41' 23.94"	SET COTTON SPINDLE IN E/FACE LIGHT POLE W/SIDE OAKWOOD INFRONT OF HSE#3555
236	806.22	N42° 15' 00.83"	W83° 41' 22.21"	SET COTTON SPINDLE IN F/FACE LIGHT POLE NE QUAD OAKWOOD & PINECREST
237	807.95	N42° 15' 01.86"	W83° 41' 18.43"	SET COTTON SPINDLE IN E/FACE LIGHT POLE SW QUAD & YOST
238	821.62	N42° 15' 03.46"	W83° 41' 27.36"	SET COTTON SPINDLE IN N/FACE LIGHT POLE S/SIDE OF RICHARD INFRONT OF HSE#3442
239	822.64	N42° 15' 07.18"	W83° 41' 28.93"	SET COTTON SPINDLE IN S/FACE LIGHT POLE N/SIDE OF EDGEWOOD AT CL RICHARD

TRAVERSE POINTS

TP #	ELEV	NORTHING	EASTING
1	814.49	N42° 14' 54.18"	W83° 41' 31.03"
2	824.88	N42° 15' 11.58"	W83° 41' 32.67"
100	813.04	N42° 14' 42.31"	W83° 41' 32.81"
101	813.08	N42° 14' 46.14"	W83° 41' 32.40"
102	816.33	N42° 14' 50.33"	W83° 41' 32.60"
103	816.44	N42° 14' 50.59"	W83° 41' 37.80"
104	816.15	N42° 14' 48.11"	W83° 41' 38.22"
105	817.03	N42° 14' 50.02"	W83° 41' 42.54"
106	819.95	N42° 14' 47.84"	W83° 41' 41.97"
107	817.38	N42° 14' 52.17"	W83° 41' 42.13"
108	819.98	N42° 14' 50.45"	W83° 41' 47.06"
109	820.19	N42° 14' 51.97"	W83° 41' 46.53"
110	819.96	N42° 14' 49.90"	W83° 41' 48.63"
111	819.99	N42° 14' 52.57"	W83° 41' 35.23"
112	821.24	N42° 14' 56.33"	W83° 41' 35.33"
113	821.01	N42° 14' 58.34"	W83° 41' 33.14"
114	823.72	N42° 14' 58.99"	W83° 41' 37.94"
115	822.86	N42° 14' 56.81"	W83° 41' 38.41"
116	825.55	N42° 14' 58.95"	W83° 41' 40.82"
117	822.31	N42° 15' 01.94"	W83° 41' 32.99"

TRAVERSE POINTS

TP #	ELEV	NORTHING	EASTING
118	826.22	N42° 15' 04.15"	W83° 41' 35.09"
119	825.61	N42° 15' 04.99"	W83° 41' 34.46"
120	825.84	N42° 15' 08.68"	W83° 41' 34.53"
121	828.55	N42° 15' 09.47"	W83° 41' 31.71"
122	826.98	N42° 15' 12.08"	W83° 41' 29.12"
123	825.89	N42° 15' 14.46"	W83° 41' 26.45"
124	825.62	N42° 15' 14.43"	W83° 41' 24.11"
125	823.08	N42° 15' 17.25"	W83° 41' 26.89"
126	825.97	N42° 15' 20.05"	W83° 41' 25.75"
127	815.61	N42° 14' 42.44"	W83° 41' 27.08"
128	814.54	N42° 14' 45.49"	W83° 41' 26.65"
129	815.14	N42° 14' 48.24"	W83° 41' 25.79"
130	809.03	N42° 14' 51.71"	W83° 41' 26.32"
131	809.75	N42° 14' 54.12"	W83° 41' 27.59"
132	810.70	N42° 14' 57.06"	W83° 41' 27.05"
133	816.43	N42° 14' 57.26"	W83° 41' 30.65"
134	807.53	N42° 14' 56.67"	W83° 41' 24.64"
135	806.83	N42° 14' 58.76"	W83° 41' 23.80"
136	806.12	N42° 15' 00.49"	W83° 41' 21.72"
137	807.24	N42° 15' 02.17"	W83° 41' 17.99"

TRAVERSE POINTS

TP #	ELEV	NORTHING	EASTING
138	821.66	N42° 15' 03.67"	W83° 41' 26.96"
139	821.82	N42° 15' 06.66"	W83° 41' 28.69"
140	821.98	N42° 15' 08.14"	W83° 41' 28.15"
141	825.71	N42° 15' 09.95"	W83° 41' 27.33"
150	804.40	N42° 15' 06.78"	W83° 41' 42.15"
151	806.23	N42° 15' 09.84"	W83° 41' 41.68"
152	810.38	N42° 15' 11.59"	W83° 41' 40.19"
153	812.09	N42° 15' 13.38"	W83° 41' 39.03"
154	812.98	N42° 15' 15.20"	W83° 41' 39.07"
155	815.75	N42° 15' 16.27"	W83° 41' 35.73"
156	820.29	N42° 15' 15.65"	W83° 41' 30.40"
157	819.92	N42° 15' 14.09"	W83° 41' 32.46"
158	820.48	N42° 15' 12.60"	W83° 41' 35.33"
159	817.84	N42° 15' 10.32"	W83° 41' 37.41"
160	813.61	N42° 15' 11.34"	W83° 41' 38.44"
161	814.26	N42° 15' 08.20"	W83° 41' 37.44"
162	824.64	N42° 15' 04.53"	W83° 41' 38.09"
163	820.60	N42° 15' 02.56"	W83° 41' 30.06"

BENCHMARKS

BM #	ELEV	NORTHING	EASTING	DESCRIPTION
240	821.82	N42° 15' 07.78"	W83° 41' 27.63"	SET COTTON SPINDLE IN N/FACE UTIL POLE SW QUAD EDGEWOOD & CAROLYN
241	826.96	N42° 15' 10.66"	W83° 41' 27.62"	SET COTTON SPINDLE IN W/FACE UTIL POLE E/SIDE OF EDGEWOOD INFRONT OF HSE#3530
250	806.18	N42° 15' 06.40"	W83° 41' 41.69"	SET COTTON SPINDLE ON W/FACE OF WD LIGHT POLE LOCATED ON E/SIDE OF PARKWOOD NEAREST TO HSE#2469
251	808.57	N42° 15' 10.25"	W83° 41' 41.26"	SET COTTON SPINDLE ON E/FACE OF WD UTIL POLE LOCATED ON W/SIDE OF PARKWOOD NEAREST TO HSE#2387
252	810.80	N42° 15' 11.32"	W83° 41' 40.32"	SET COTTON SPINDLE ON E/FACE OF WD UTIL POLE LOCATED ON W/SIDE AT 'T' INTERSECTION OF PARKWOOD & JEANNE
253	814.04	N42° 15' 14.74"	W83° 41' 39.45"	SET COTTON SPINDLE ON E/FACE OF WD UTIL POLE LOCATED ON W/SIDE OF PARKWOOD NEAREST TO HSE#2354
254	815.42	N42° 15' 15.87"	W83° 41' 37.60"	SET COTTON SPINDLE ON S/FACE OF WD UTIL POLE LOCATED ON N/SIDE OF PARKWOOD NEAREST TO HSE#2334
255	816.55	N42° 15' 16.25"	W83° 41' 35.97"	SET COTTON SPINDLE ON S/FACE OF WD UTIL POLE LOCATED ON N/SIDE OF PARKWOOD NEAREST TO HSE#2328
256	821.00	N42° 15' 15.73"	W83° 41' 30.54"	SET COTTON SPINDLE ON S/FACE OF WD UTIL POLE LOCATED ON N/SIDE AT 'T' INTERSECTION OF PARKWOOD & FERNWOOD
257	820.73	N42° 15' 13.86"	W83° 41' 31.87"	SET COTTON SPINDLE OF W/FACE OF WD UTIL POLE LOCATED ON E/SIDE OF FERNWOOD NEAREST TO HSE#2315
258	821.31	N42° 15' 12.47"	W83° 41' 35.47"	SET COTTON SPINDLE ON E/FACE OF WD UTIL POLE LOCATED ON W/SIDE OF FERNWOOD NEAREST TO HSE#2332
259	820.51	N42° 15' 09.88"	W83° 41' 36.90"	SET COTTON SPINDLE ON W/FACE OF WD UTIL POLE LOCATED ON SE QUAD OF FERNWOOD & JEANNE
260	816.12	N42° 15' 10.72"	W83° 41' 38.03"	SET COTTON SPINDLE ON N/FACE OF WD UTIL POLE LCOATED ON S/SIDE OF JEANNE NEAREST TO HSE#2380
261	816.19	N42° 15' 07.94"	W83° 41' 37.84"	SET COTTON SPINDLE ON E/FACE OF WD LIGHT POLE LOCATED ON W/SIDE OF FERNWOOD NEAREST TO HSE#2442
262	824.94	N42° 15' 04.55"	W83° 41' 38.01"	SET COTTON SPINDLE ON S/FACE OF WD UTIL POLE LOCATED ON NW QUAD OF EDGEWOOD & FERNWOOD

811 Know what's **below.** **Call** before you dig.

REV.	DATE	DRAWN	CHECKED
00	12-19-2024	SM	CE
01	1-22-2025	SM	CE

DESCRIPTION

BID SET

ADDENDUM #2

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734.794.6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

SURVEY CONTROL POINTS

SCALE : NTS

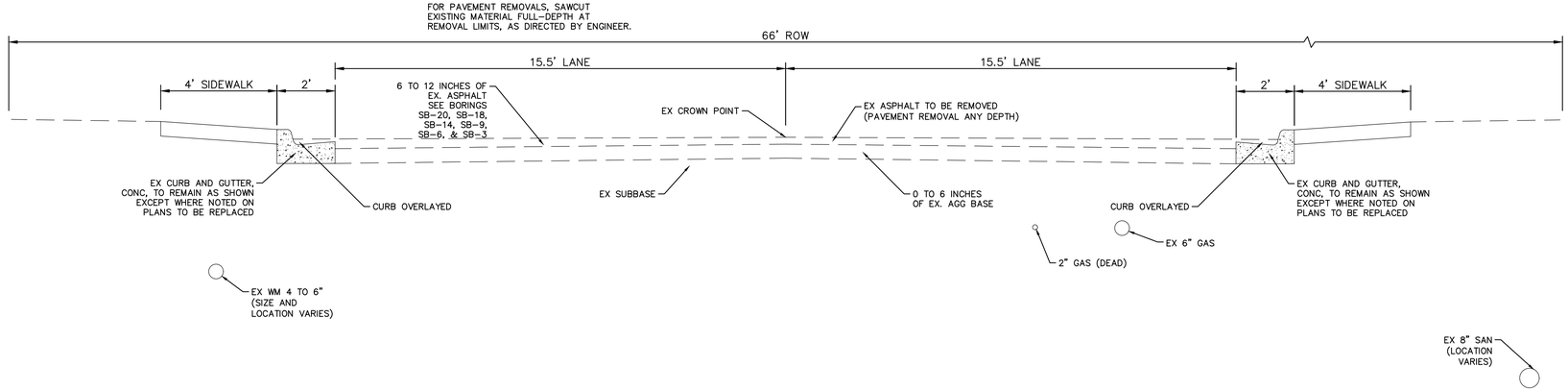
DRAWING No. **2022-031-5**

SHEET No. **5 OF 167**

NOTES:

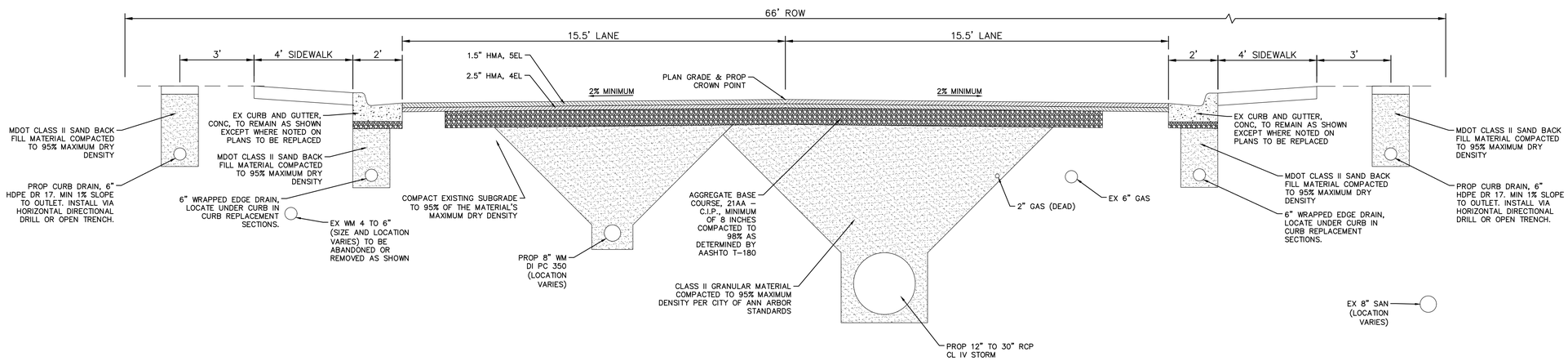
1. All curb and gutter that has an HMA overlay shall have the overlay removed. Work shall be paid for as Cold Milling HMA Surface" Contractor shall try to minimize curb and gutter damage during HMA removal. Method of HMA removal is at contractors discretion.

2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



PITTSFIELD BOULEVARD
EXISTING TYPICAL SECTION

P.O.B. TO P.O.E.
N.T.S.



PITTSFIELD BOULEVARD
PROPOSED TYPICAL SECTION

P.O.B. TO P.O.E.
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734.794.6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
PITTSFIELD BOULEVARD

SCALE : NTS

DRAWING No.
2022-031-6

SHEET No.
6 OF 167

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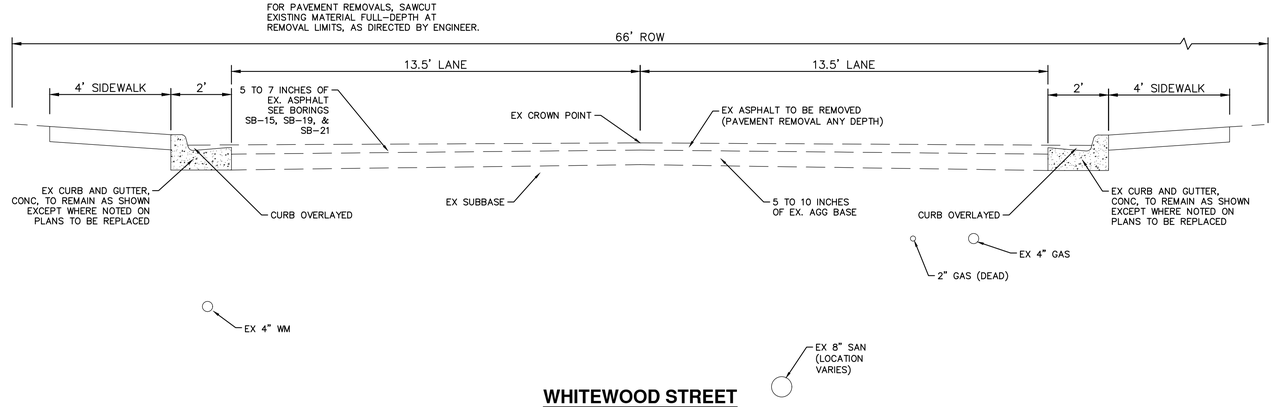
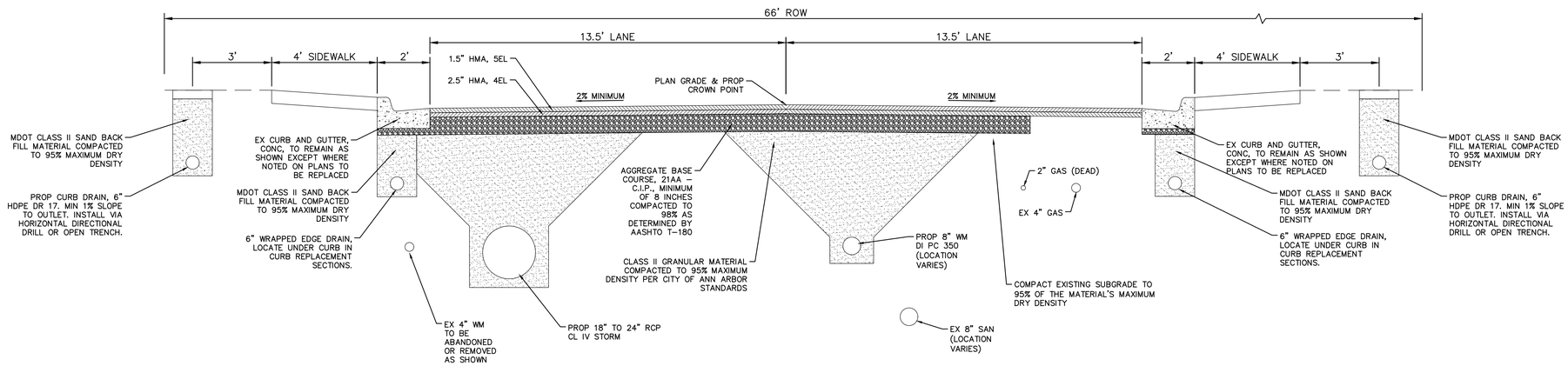
NOTES:

1. All curb and gutter that has an HMA overlay shall have the overlay removed. Work shall be paid for as Cold Milling HMA Surface" Contractor shall try to minimize curb and gutter damage during HMA removal. Method of HMA removal is at contractors discretion.
2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



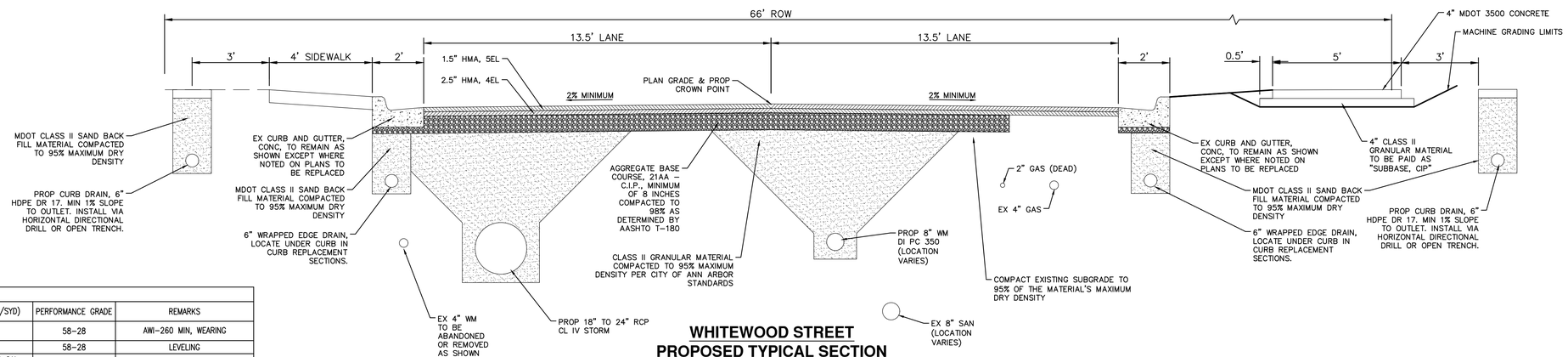
WHITEWOOD STREET
EXISTING TYPICAL SECTION

P.O.B. TO P.O.E.
N.T.S.



WHITEWOOD STREET
PROPOSED TYPICAL SECTION

P.O.B. TO STA 204+50
STA 209+61 TO P.O.E.
N.T.S.



HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

WHITEWOOD STREET
PROPOSED TYPICAL SECTION

STA 204+50 TO STA 209+61
N.T.S.

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
WHITEWOOD STREET

SCALE : NTS

DRAWING No.
2022-031-7

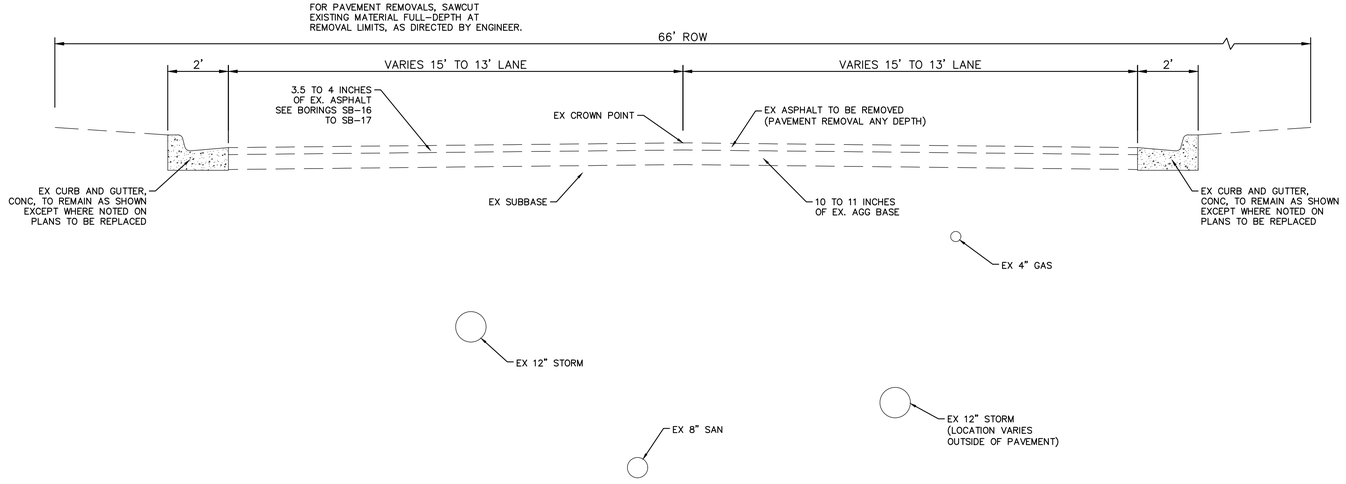
SHEET No.
7 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Typicals\230050TYPS.dwg — a2 standard bw.stb — Plot Date: 1/24/2025 11:23:51 AM

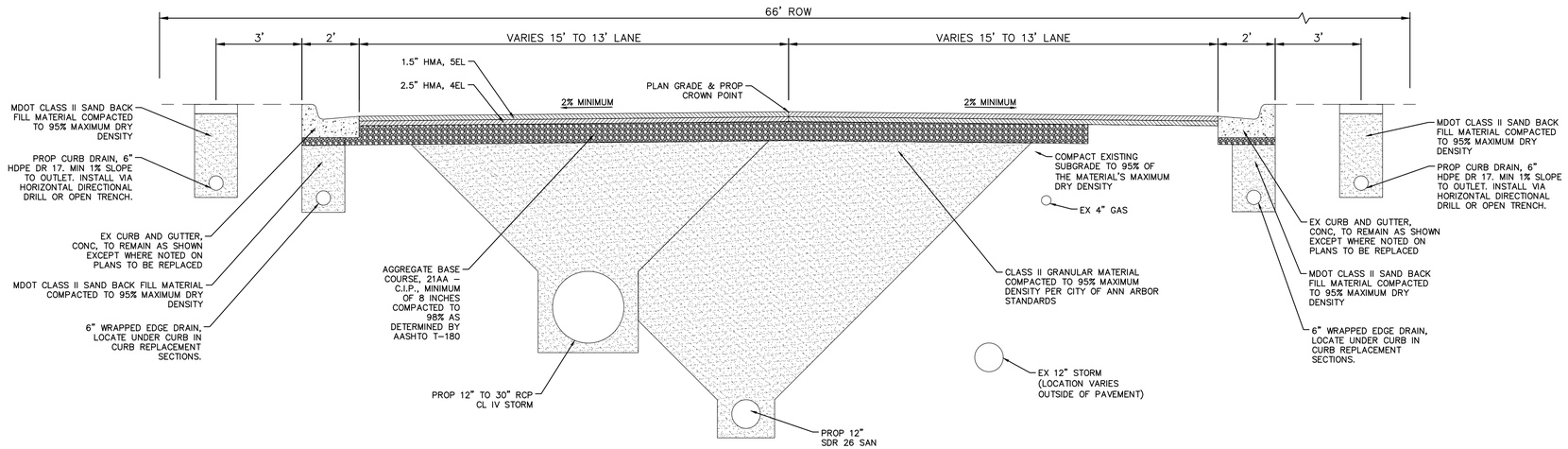
NOTES:

1. All curb and gutter that has an HMA overlay shall have the overlay removed. Work shall be paid for as Cold Milling HMA Surface" Contractor shall try to minimize curb and gutter damage during HMA removal. Method of HMA removal is at contractors discretion.

2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



NORWOOD ST
EXISTING TYPICAL SECTION
STA 300+00 TO STA 310+00
N.T.S.



NORWOOD ST
PROPOSED TYPICAL SECTION
STA 300+00 TO STA 310+00
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

Know what's **below.** **Call before you dig.** 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
NORWOOD STREET

SCALE : NTS

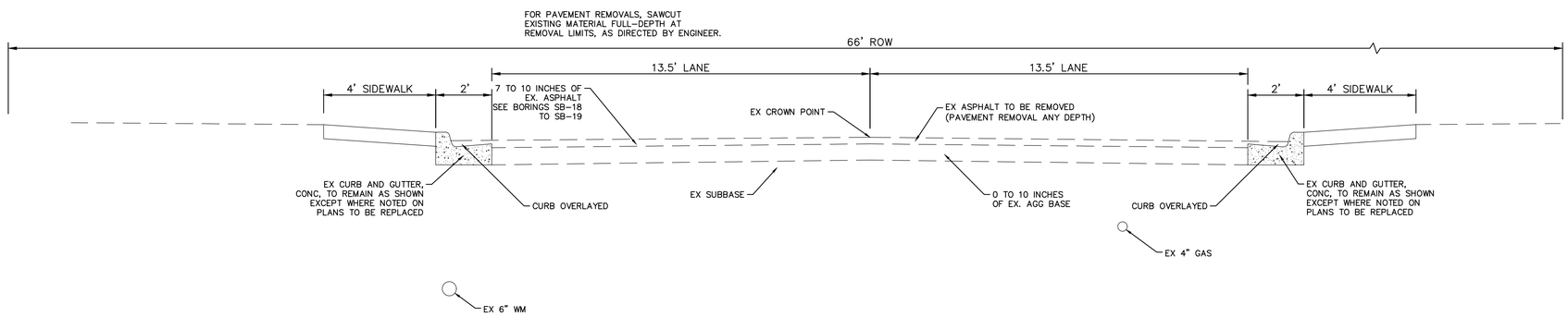
DRAWING No.
2022-031-8

SHEET No.
8 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Typicals\230050TYPS.dwg — _a2 standard bw.stb — Plot Date: 1/23/2025 12:40:47 PM

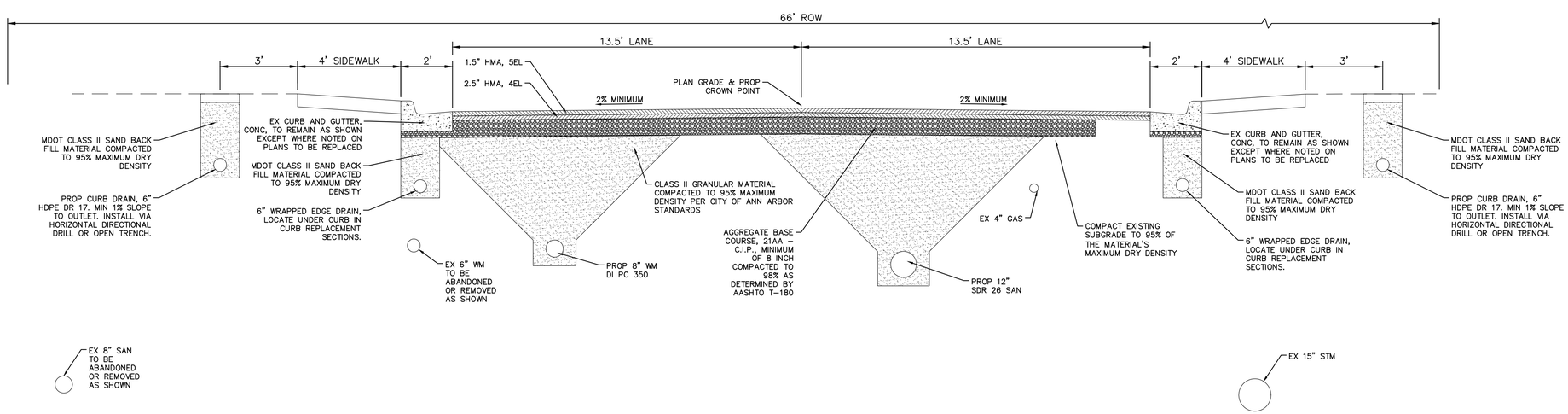
NOTES:

1. All curb and gutter that has an HMA overlay shall have the overlay removed. Work shall be paid for as Cold Milling HMA Surface" Contractor shall try to minimize curb and gutter damage during HMA removal. Method of HMA removal is at contractors discretion.
2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



NORWOOD ST
EXISTING TYPICAL SECTION

STA 310+00 TO P.O.E.
N.T.S.



NORWOOD ST
PROPOSED TYPICAL SECTION

STA 310+00 TO PO.E.
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
NORWOOD STREET

SCALE : NTS

DRAWING No.
2022-031-9

SHEET No.
9 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Typicals\230050TYPS.dwg — _a2 standard bw.stb — Plot Date: 1/23/2025 12:40:52 PM

NOTES:

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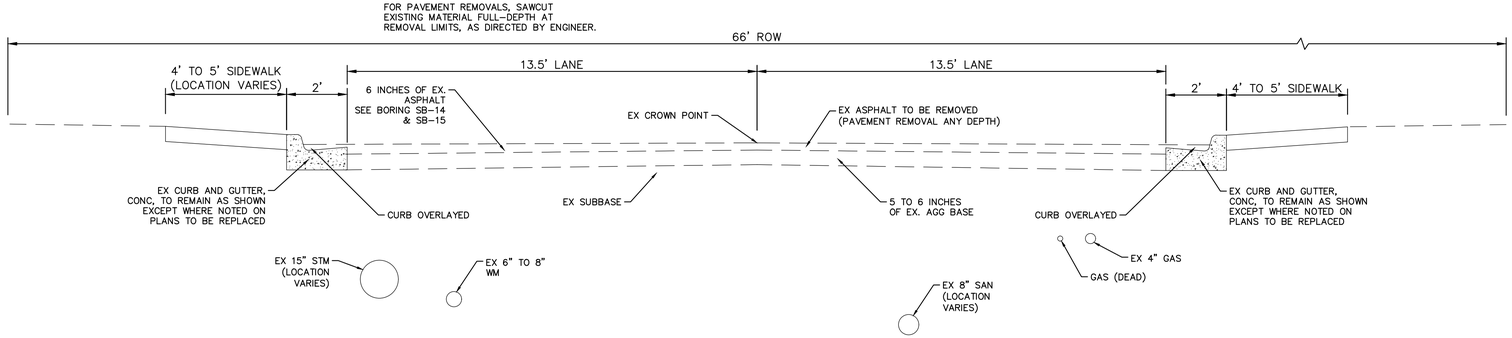
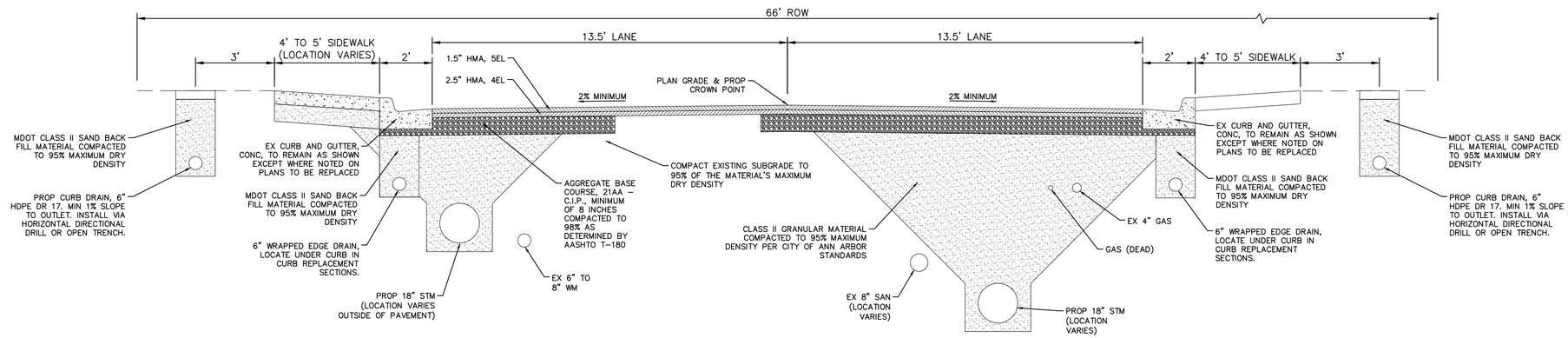
2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



OAKWOOD STREET
EXISTING TYPICAL SECTION

STA 400+00 TO STA 409+00
N.T.S.



OAKWOOD STREET
PROPOSED TYPICAL SECTION

STA 400+00 TO STA 409+00
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
OAKWOOD STREET

SCALE : NTS

DRAWING No. 2022-031-10

SHEET No. 10 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil Typicals\230050TYPS.dwg — a2 standard bw.stb — Plot Date: 1/23/2025 12:40:57 PM

NOTES:

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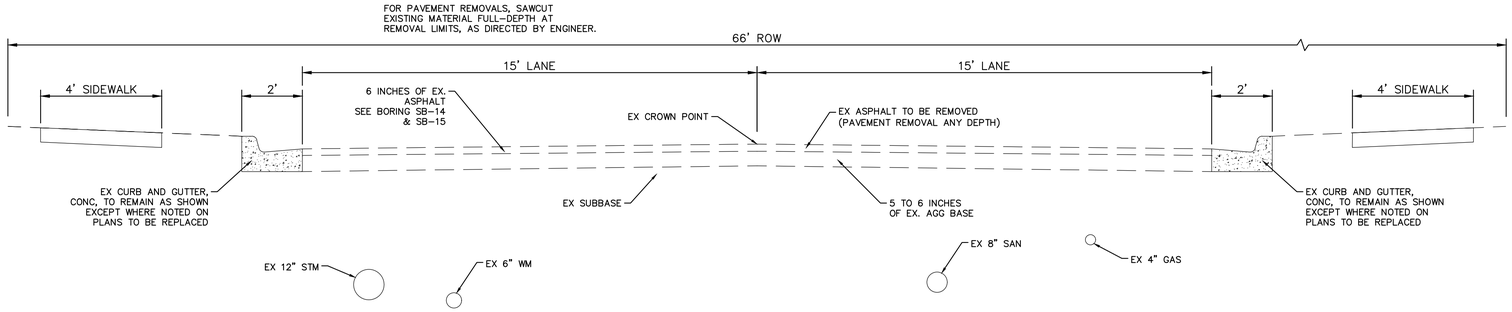
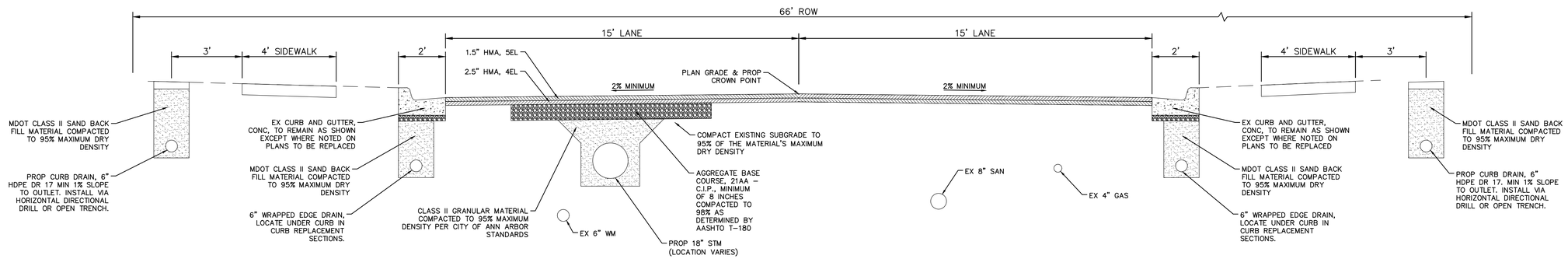


OAKWOOD STREET
EXISTING TYPICAL SECTION

STA 409+00 TO P.O.E.
N.T.S.



OAKWOOD STREET
PROPOSED TYPICAL SECTION

STA 409+00 TO P.O.E.
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

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00	BID SET	12-19-2024	SM	CE
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PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
OAKWOOD STREET

SCALE : NTS

DRAWING No.
2022-031-11

SHEET No.
11 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil Typicals\230050TYPS.dwg — a2 standard bw.stb — Plot Date: 1/23/2025 12:41:02 PM

NOTES:

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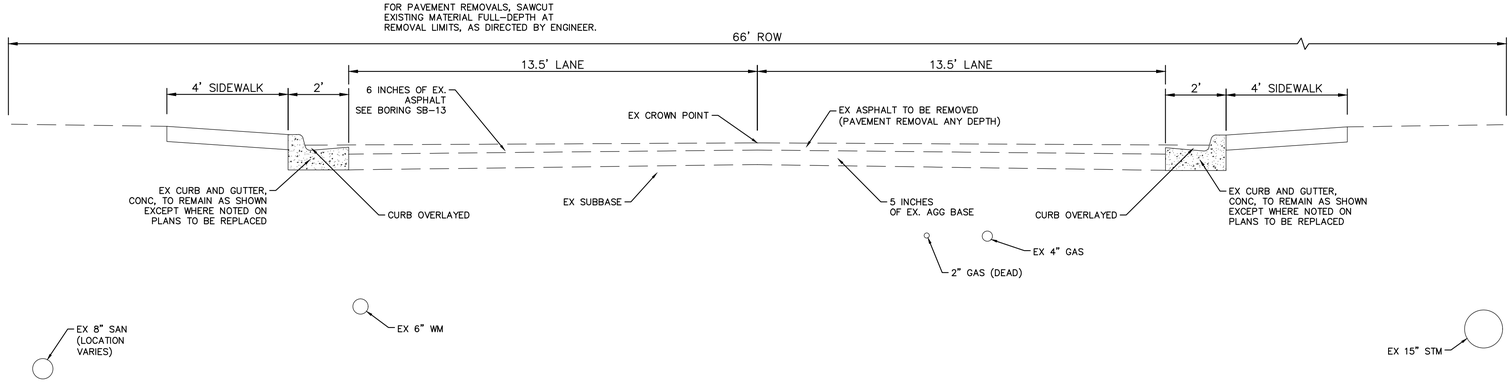
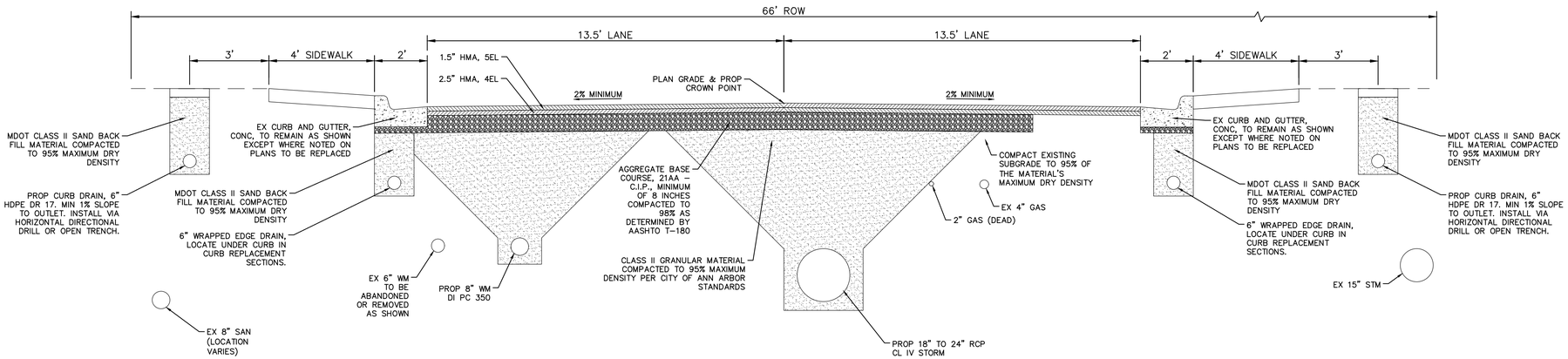
2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



RICHARD STREET
EXISTING TYPICAL SECTION

P.O.B. TO P.O.E.
N.T.S.



RICHARD STREET
PROPOSED TYPICAL SECTION

P.O.B. TO P.O.E.
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
RICHARD STREET

SCALE : NTS

DRAWING No.
2022-031-12

SHEET No.
12 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil Typicals\230050TYPS.dwg — a2 standard bw.stb — Plot Date: 1/23/2025 12:41:07 PM

NOTES:

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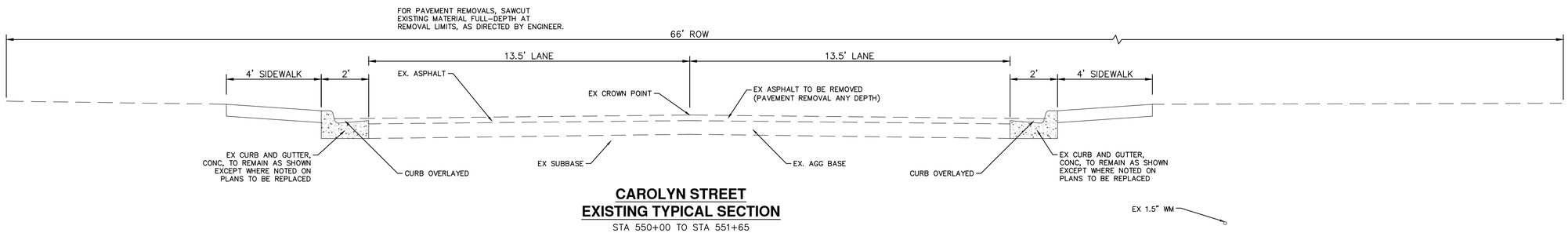
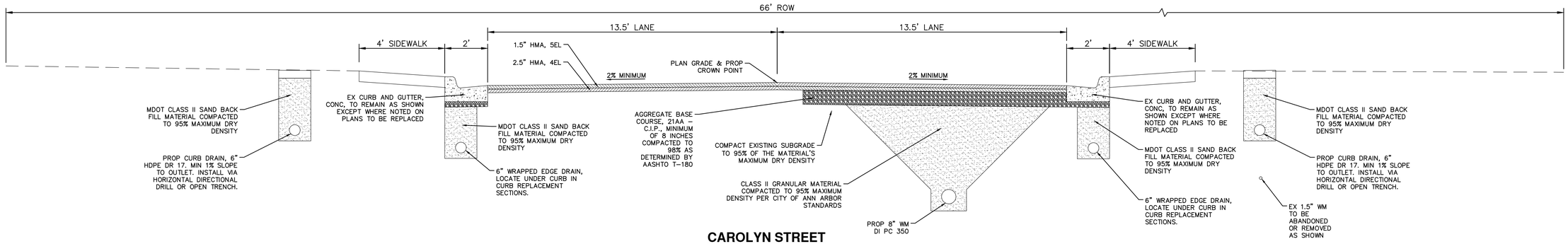


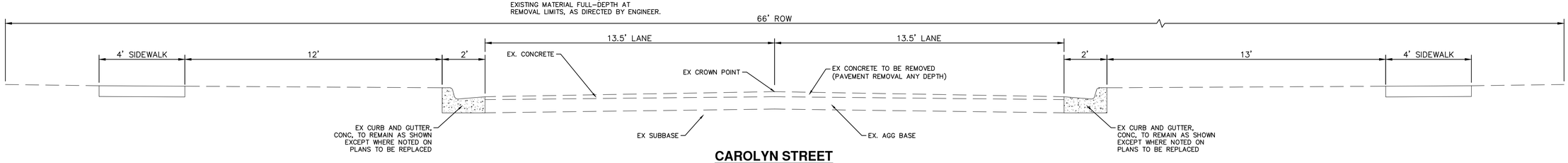
CAROLYN STREET
EXISTING TYPICAL SECTION

STA 550+00 TO STA 551+65
N.T.S.



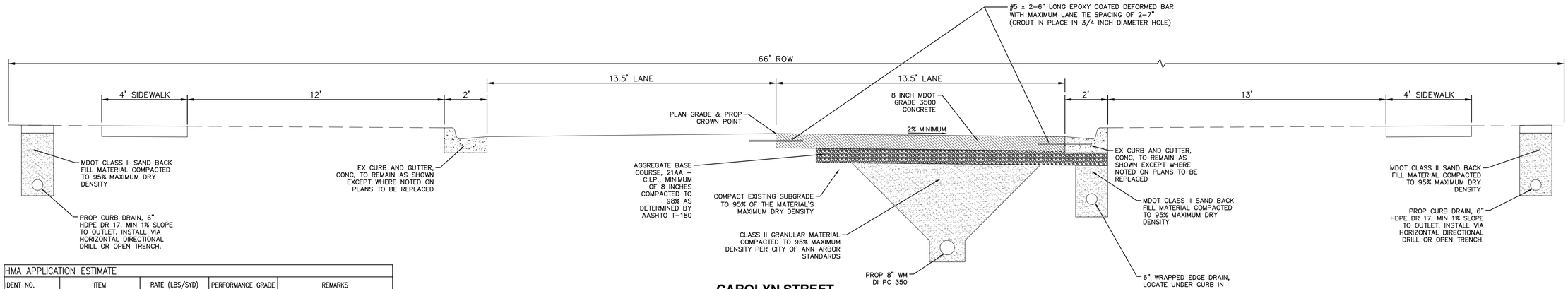
CAROLYN STREET
PROPOSED TYPICAL SECTION

STA 550+00 TO STA 551+65
N.T.S.



CAROLYN STREET
EXISTING TYPICAL SECTION

STA 551+65 TO P.O.E.
N.T.S.



CAROLYN STREET
PROPOSED TYPICAL SECTION

STA 551+65 TO P.O.E.
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

811 Know what's below. Call before you dig.

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PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
CAROLYN STREET

SCALE: NTS

DRAWING No. 2022-031-13

SHEET No. 13 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Typicals\230050TYPS.dwg - _a2 standard bw.stb - Plot Date: 1/23/2025 12:41:12 PM

NOTES:

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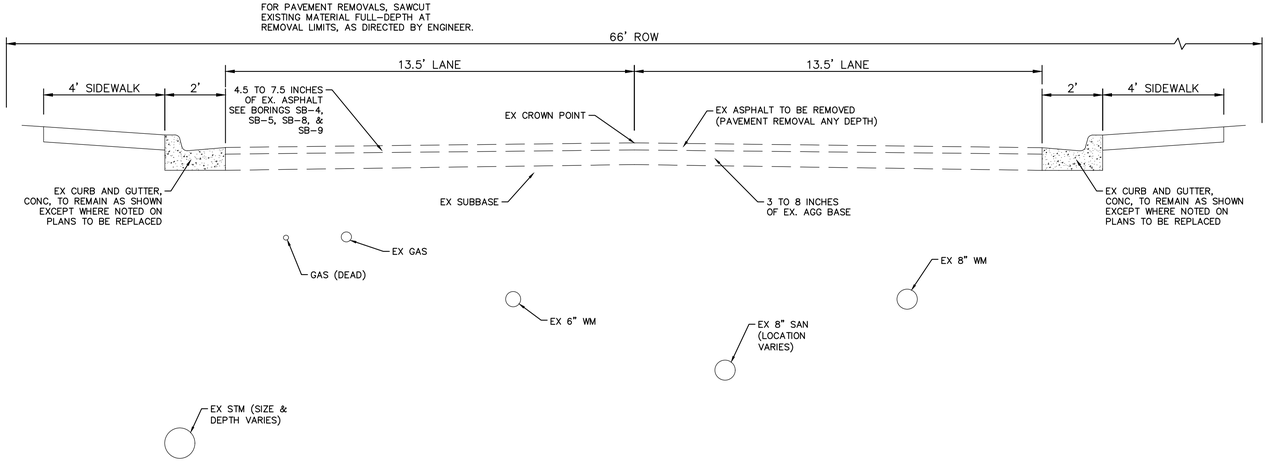
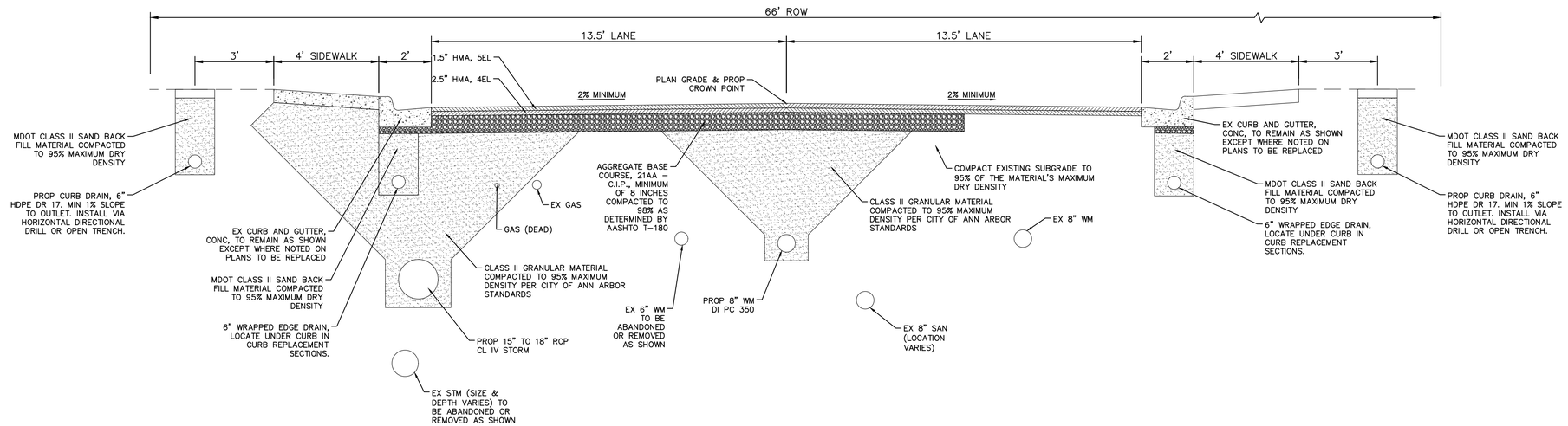


JEANNE STREET
EXISTING TYPICAL SECTION

P.O.B. TO P.O.E.
N.T.S.



JEANNE STREET
PROPOSED TYPICAL SECTION

P.O.B. TO P.O.E.
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

Know what's below. Call before you dig.

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00	BID SET	12-19-2024	SM	CE
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PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
JEANNE STREET

SCALE : NTS

DRAWING No.
2022-031-14

SHEET No.
14 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Typicals\230050TYPS.dwg — _a2 standard bw.stb — Plot Date: 1/23/2025 12:41:17 PM

NOTES:

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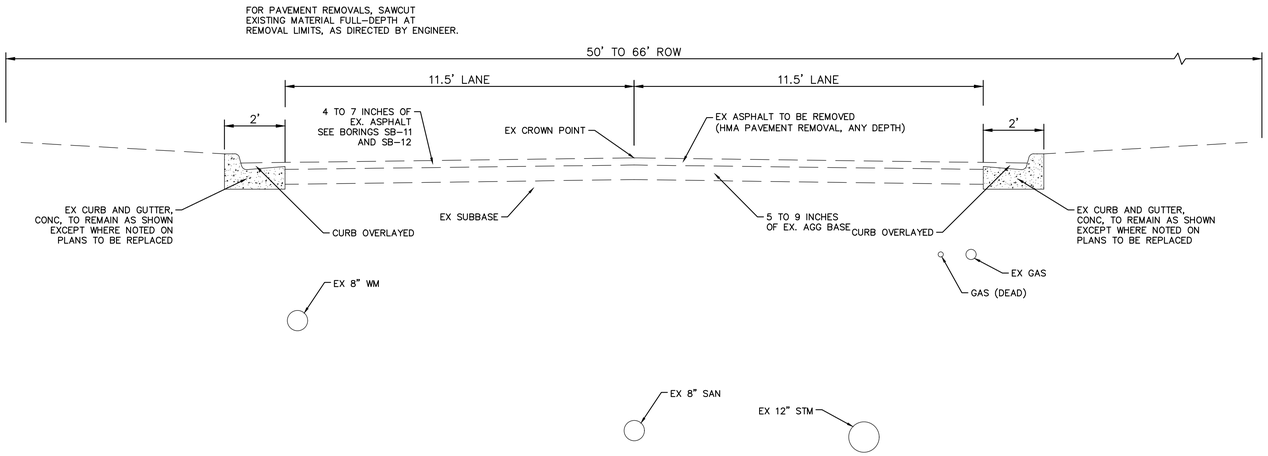
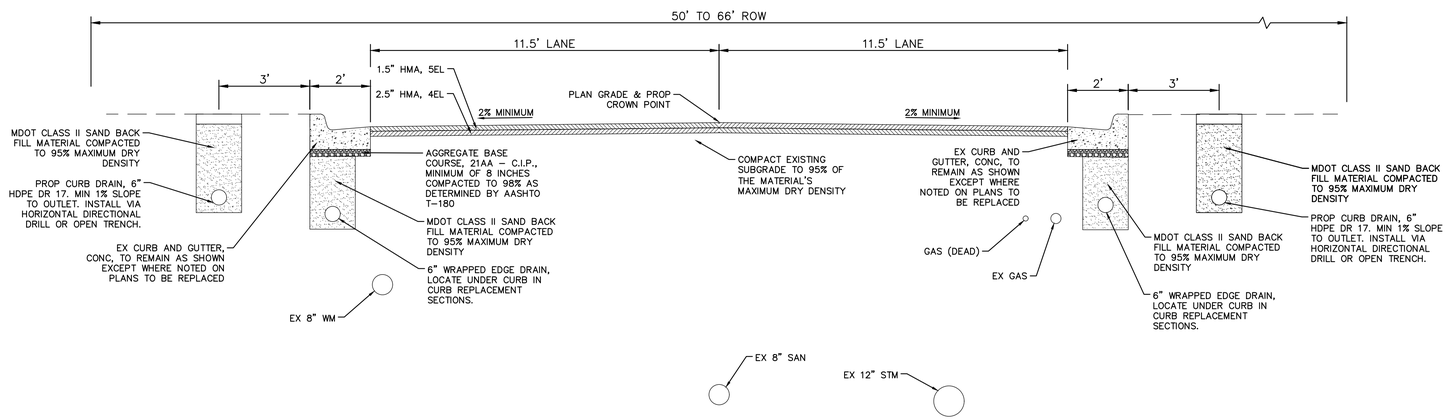


EDGEWOOD DRIVE
EXISTING TYPICAL SECTION

STA 600+00 TO STA 605+00
N.T.S.



EDGEWOOD DRIVE
PROPOSED TYPICAL SECTION

STA 600+00 TO STA 605+00
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

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PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
EDGEWOOD DRIVE

SCALE : NTS

DRAWING No. 2022-031-15

SHEET No.
15 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil Typicals\230050TYPS.dwg — a2 standard bw.stb — Plot Date: 1/23/2025 12:41:22 PM

NOTES:

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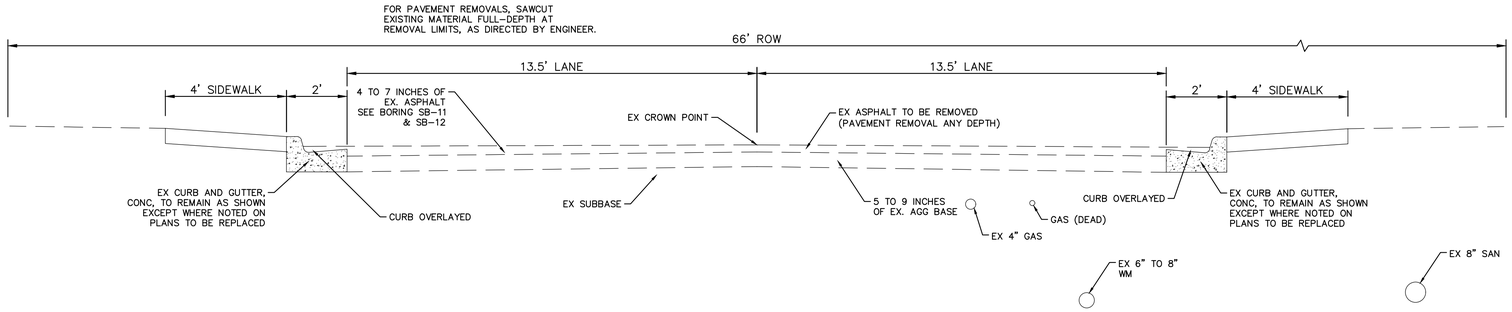
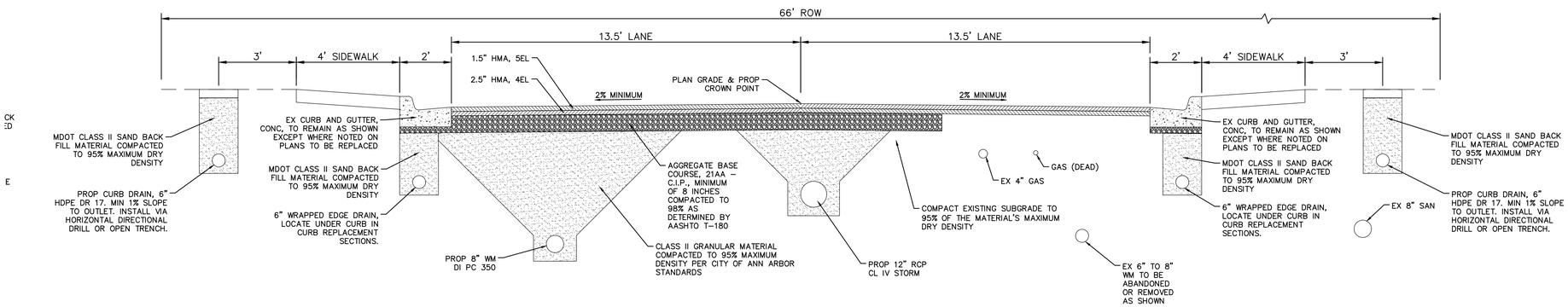


EDGEWOOD DRIVE
EXISTING TYPICAL SECTION

STA 605+00 TO P.O.E.
N.T.S.



EDGEWOOD DRIVE
PROPOSED TYPICAL SECTION

STA 605+00 TO P.O.E.
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

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PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
EDGEWOOD DRIVE

SCALE : NTS

DRAWING No.
2022-031-16

SHEET No.
16 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil Typicals\230050TYPS.dwg — a2 standard bw.stb — Plot Date: 1/23/2025 12:41:27 PM

NOTES:

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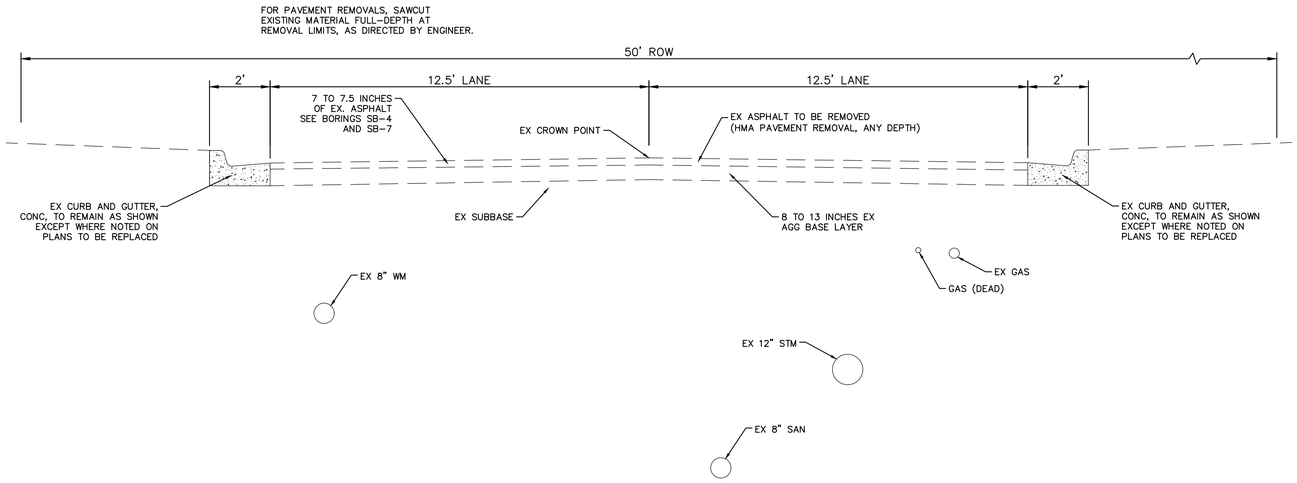
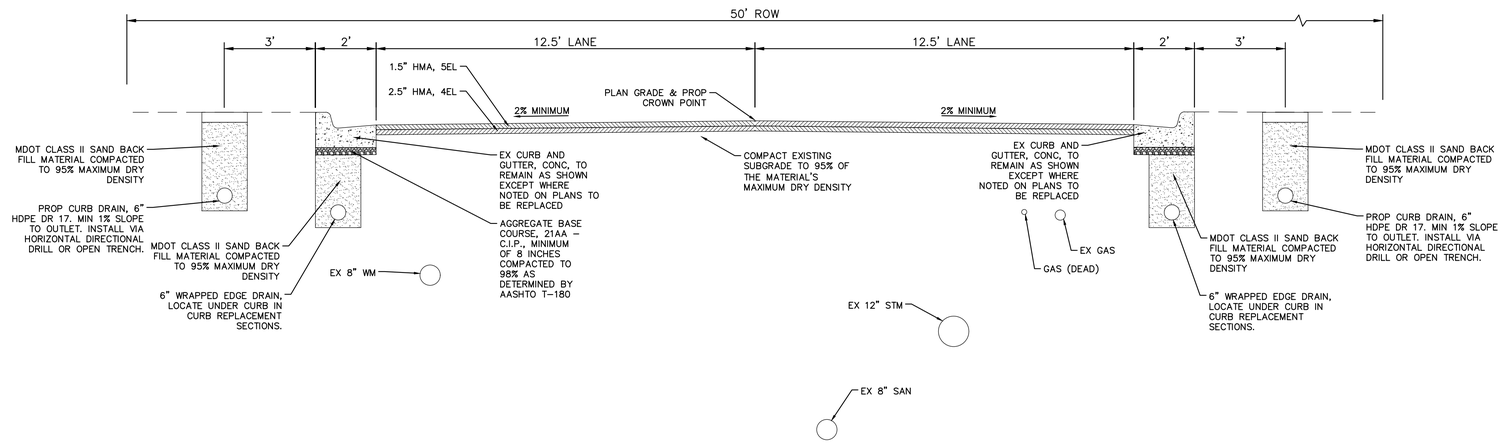


PARKWOOD AVENUE
EXISTING TYPICAL SECTION

STA 800+00 TO STA 805+10
N.T.S.



PARKWOOD AVENUE
PROPOSED TYPICAL SECTION

STA 800+00 TO STA 805+10
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
PARKWOOD AVENUE

SCALE : NTS

DRAWING No.
2022-031-17

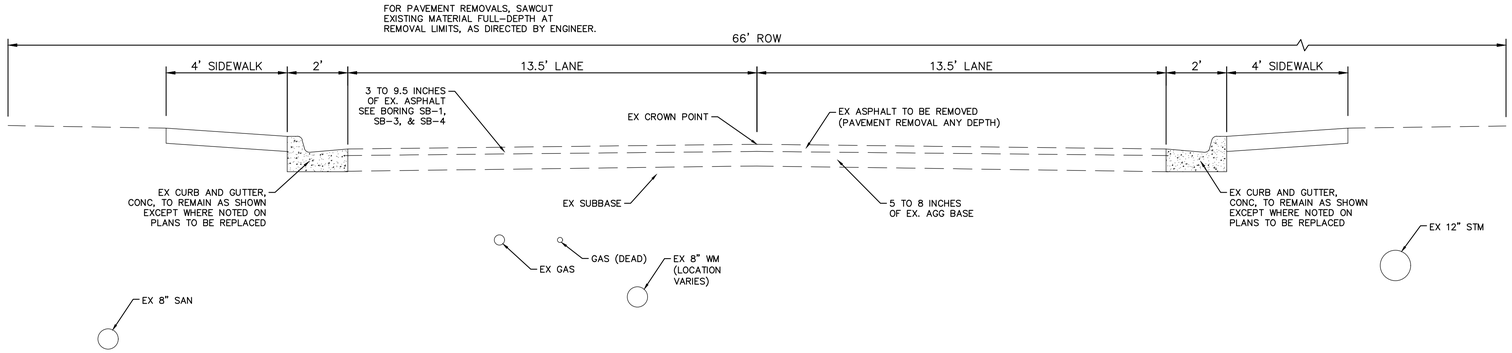
SHEET No.
17 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Typicals\230050TYPS.dwg — _a2 standard bw.stb — Plot Date: 1/23/2025 12:41:32 PM

NOTES:

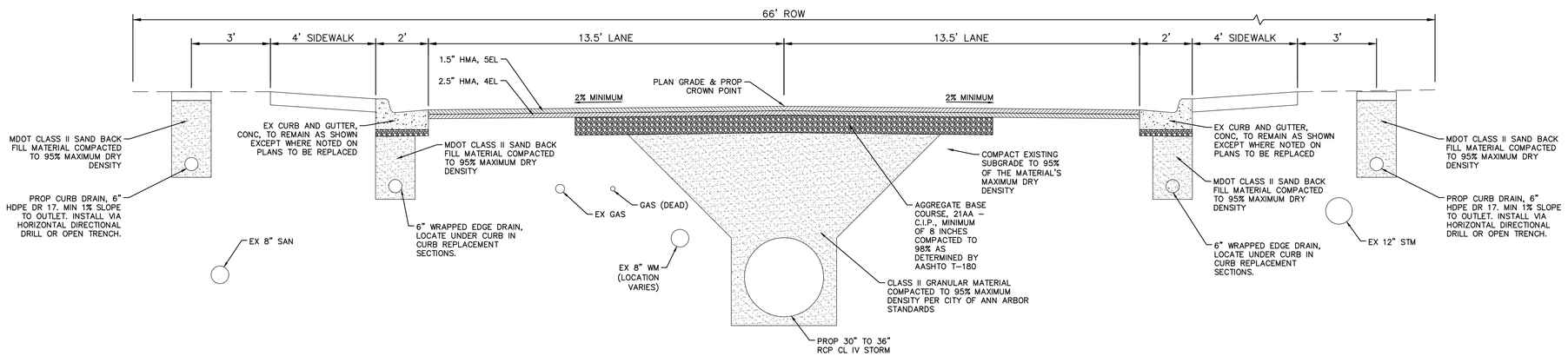
1. All curb and gutter that has an HMA overlay shall have the overlay removed. Work shall be paid for as Cold Milling HMA Surface" Contractor shall try to minimize curb and gutter damage during HMA removal. Method of HMA removal is at contractors discretion.

2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



PARKWOOD AVENUE
EXISTING TYPICAL SECTION

STA 805+10 TO P.O.E.
N.T.S.



PARKWOOD AVENUE
PROPOSED TYPICAL SECTION

STA 805+10 TO P.O.E.
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
PARKWOOD AVENUE

SCALE : NTS

DRAWING No. 2022-031-18

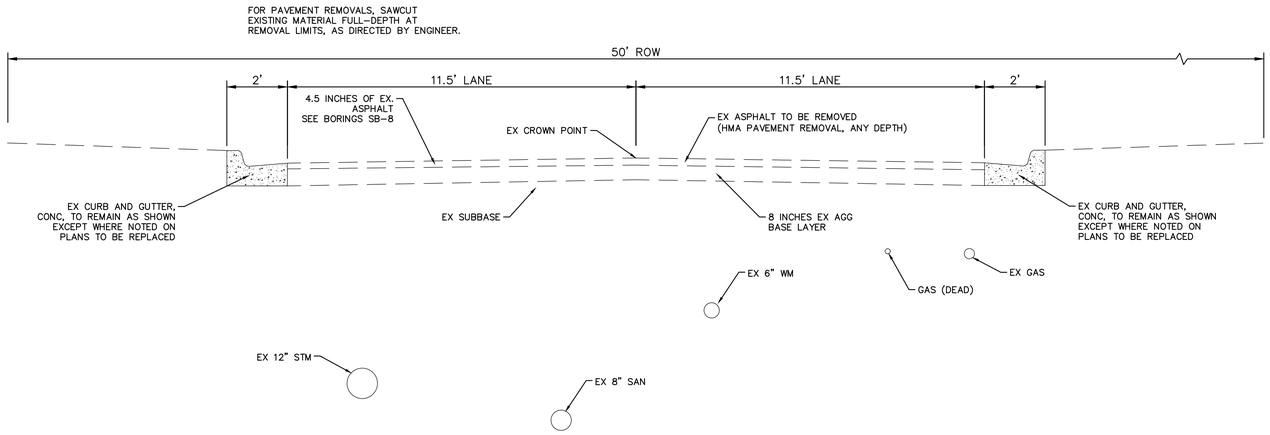
SHEET No. 18 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil Typicals\230050TYPS.dwg — a2 standard bw.stb — Plot Date: 1/23/2025 12:41:37 PM

NOTES:

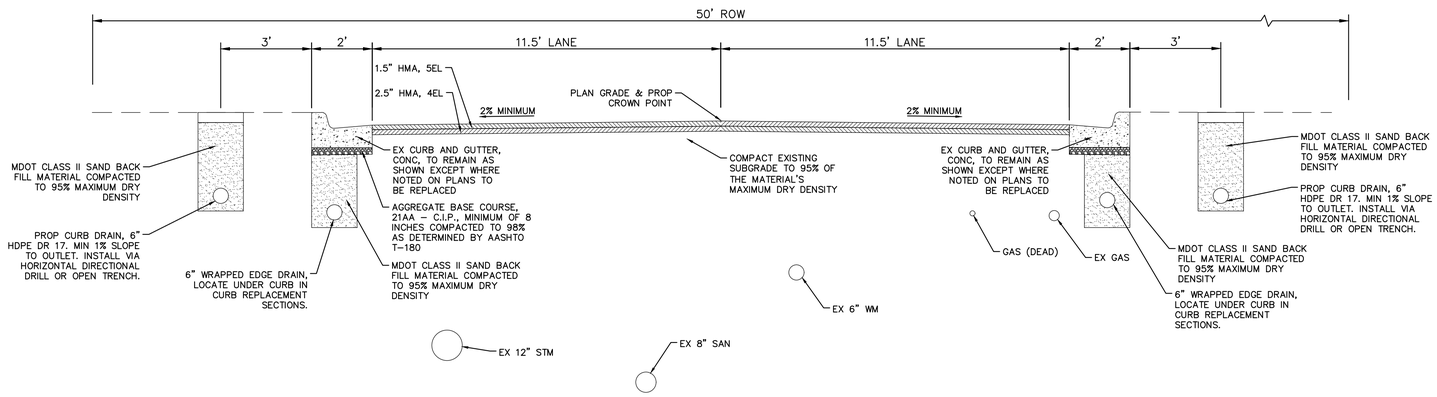
1. All curb and gutter that has an HMA overlay shall have the overlay removed. Work shall be paid for as Cold Milling HMA Surface" Contractor shall try to minimize curb and gutter damage during HMA removal. Method of HMA removal is at contractors discretion.

2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



FERNWOOD AVENUE
EXISTING TYPICAL SECTION

STA 900+00 TO STA 905+00
N.T.S.



FERNWOOD AVENUE
PROPOSED TYPICAL SECTION

STA 900+00 TO STA 905+00
N.T.S.

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165	58-28	AWI-260 MIN, WEARING
4EL	HMA, 4EL	275	58-28	LEVELING
	* BOND COAT	0.05-0.15 GAL		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

Know what's **below.** **Call before you dig.**

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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

TYPICAL CROSS SECTIONS
FERNWOOD AVENUE

SCALE : NTS

DRAWING No.
2022-031-19

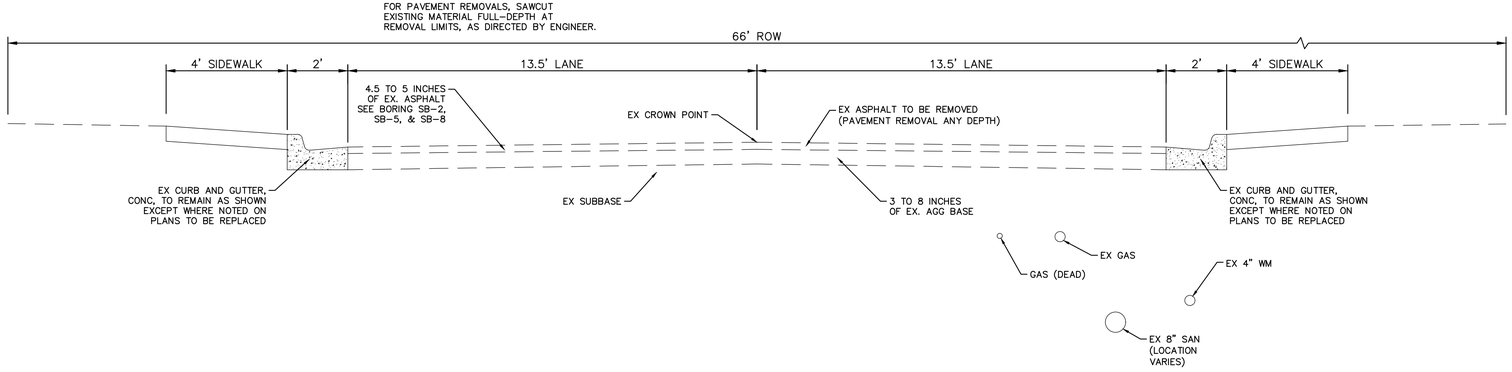
SHEET No.
19 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Typicals\230050TYPS.dwg — _a2 standard bw.stb — Plot Date: 1/23/2025 12:41:42 PM

NOTES:

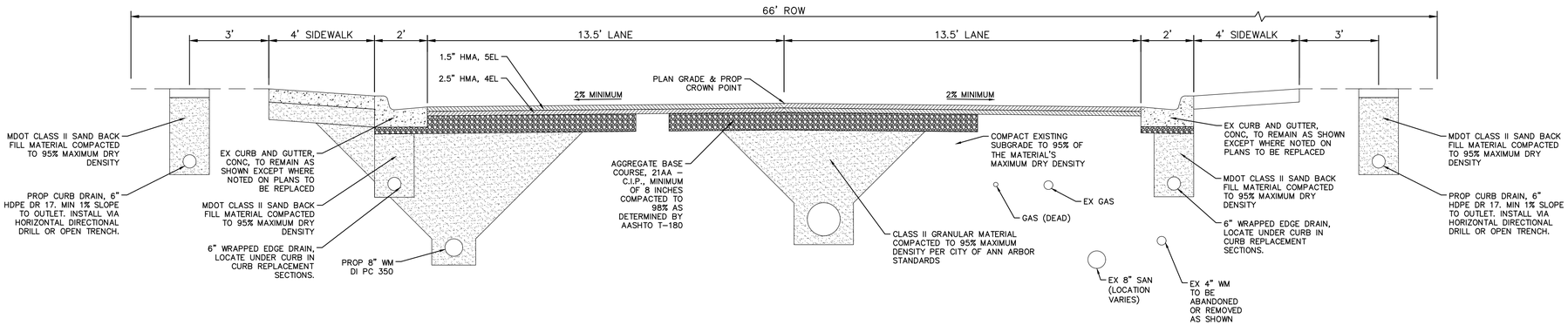
1. All curb and gutter that has an HMA overlay shall have the overlay removed. Work shall be paid for as Cold Milling HMA Surface" Contractor shall try to minimize curb and gutter damage during HMA removal. Method of HMA removal is at contractors discretion.

2. It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



FERNWOOD AVENUE
EXISTING TYPICAL SECTION

STA 905+00 TO P.O.E.
N.T.S.



FERNWOOD AVENUE
PROPOSED TYPICAL SECTION

STA 905+00 TO P.O.E.
N.T.S.

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IDENT NO.	ITEM	RATE (LBS/SYD)	PERFORMANCE GRADE	REMARKS
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NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

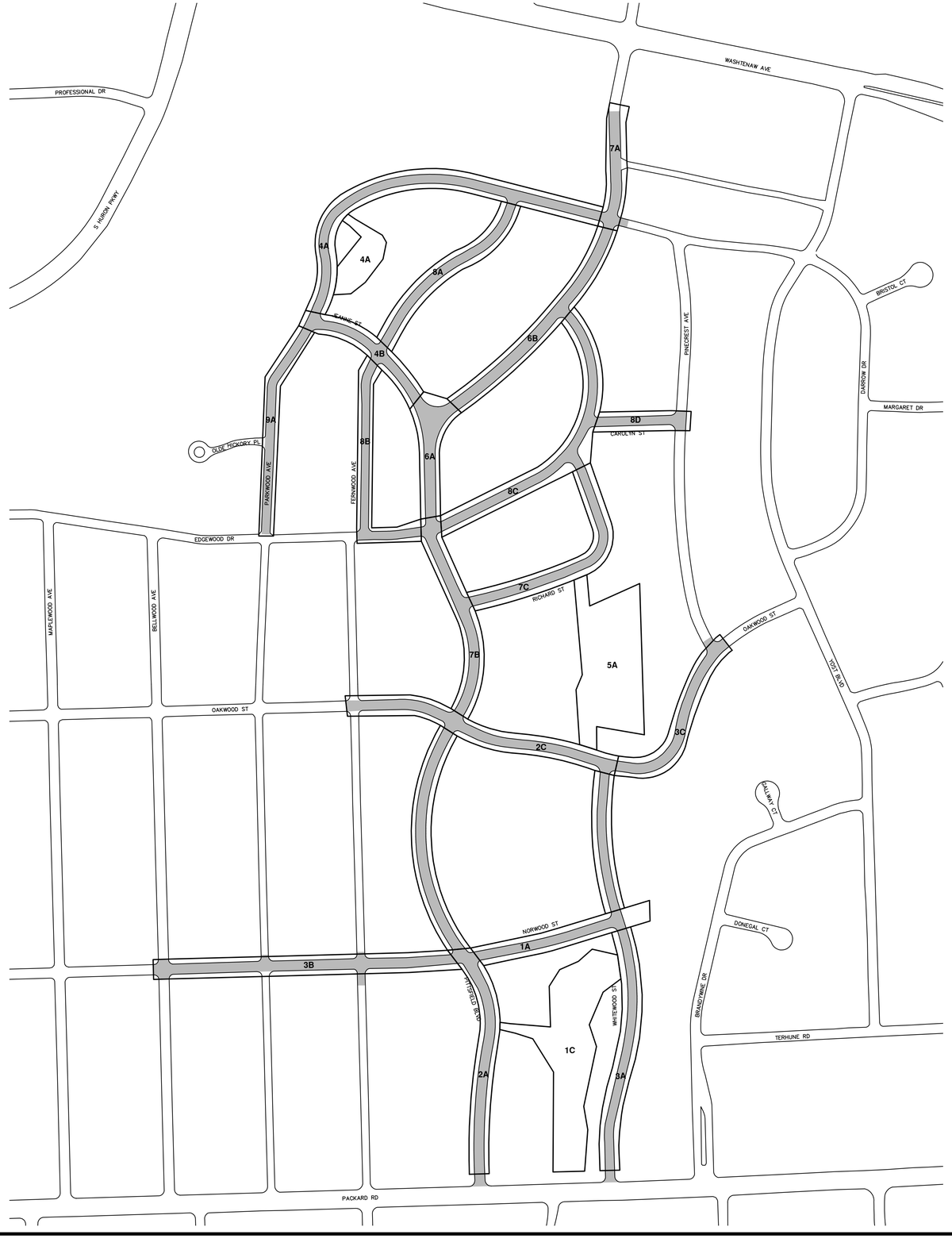
TYPICAL CROSS SECTIONS
FERNWOOD AVENUE

SCALE : NTS

DRAWING No.
2022-031-20

SHEET No.
20 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil Typicals\230050TYPS.dwg — a2 standard bw.stb — Plot Date: 1/23/2025 12:41:47 PM



PHASING NOTES:

UNLESS OTHERWISE NOTED, CONSTRUCTION OF ONLY ONE SUBPHASE IS PERMITTED AT A GIVEN TIME. MAINTAINING ADEQUATE ON STREET PARKING IS PARAMOUNT TO THE PROJECT AND DISTURBANCE OF MORE THAN A SINGLE BLOCK FOR CONSTRUCTION WITH LESS THAN 1,000 FEET BETWEEN EDGE OF WORK ZONES IS NOT PERMITTED.

THE SCHEDULE AND PHASING IDENTIFIED BELOW SHALL FORM THE BASIS FOR BIDDING OF THE PROJECT, ALTHOUGH CONTRACTOR MAY SUBMIT ALTERNATIVE PROJECT TIMELINE FOR OWNER REVIEW. GENERAL SCHEDULE CONSTRAINTS SHALL INCORPORATE THE FOLLOWING ELEMENTS:

- WORK ON ROADS ADJACENT TO PITTSFIELD ELEMENTARY SCHOOL MUST OCCUR DURING THE SUMMER BREAK FOR ANN ARBOR PUBLIC SCHOOLS. PITTSFIELD BLVD FROM WASHTENAW TO PARKWOOD IS SUBJECT TO THIS SAME TIME REQUIREMENT.
- ACCEPTABLE ALTERNATE LOCAL ROUTES TO PITTSFIELD ELEMENTARY SCHOOL MUST BE MAINTAINED FOR SCHOOL RELATED TRAFFIC.
- NO LONGER THAN 850 FEET OF ROADWAY MAY BE DISTURBED AT A GIVEN TIME EXCEPT FOR NORWOOD FROM BELLWOOD TO PITTSFIELD.

2025 CONSTRUCTION SEASON

NOTICE TO PROCEED (MARCH 31, 2025) TO JUNE 11, 2025

1A. NORWOOD - WHITEWOOD TO PITTSFIELD
1B. WHITEWOOD - NORWOOD TO OAKWOOD
1C. SWIFT RUN STORMWATER IMPROVEMENTS

JUNE 12, 2025 TO AUGUST 23,2025

2A. PITTSFIELD BLVD - PACKARD TO NORWOOD
2B. PITTSFIELD BLVD - NORWOOD TO OAKWOOD
2C. OAKWOOD - WHITEWOOD TO FERNWOOD

AUGUST 24. 2025 TO NOVEMBER 25, 2025

3A. WHITEWOOD - PACKARD TO NORWOOD
3B. NORWOOD - BELLWOOD TO PITTSFIELD
3C. OAKWOOD - WHITEWOOD TO PINECREST

2025 FLEXIBLE TIMING - NOTICE TO PROCEED TO NOVEMBER 26, 2025

THESE TWO SUBPHASES MAY BE CONSTRUCTED AS TIME PERMITS WHILE SUBPHASES 1 TO 3 ARE ONGOING, BUT NOT SIMULTANEOUSLY TO EACH OTHER.

4A. PARKWOOD - JEANNE TO PITTSFIELD - 56 CALENDAR DAYS
4B. JEANNE - PARKWOOD TO PITTSFIELD - 28 CALENDAR DAYS

2026 CONSTRUCTION SEASON

JANUARY 5, 2026 TO MARCH 29, 2026

5A. PITTSFIELD ELEMENTARY SCHOOL STORMWATER IMPROVEMENTS

MARCH 30, 2026 TO JUNE 13, 2026

6A. PITTSFIELD BLVD - EDGEWOOD TO JEANNE
6B. PITTSFIELD BLVD - JEANNE TO PARKWOOD

JUNE 14, 2025 TO AUGUST 22,2026

7A. PITTSFIELD BLVD - PARKWOOD TO WASHTENAW
7B. PITTSFIELD BLVD - OAKWOOD TO EDGEWOOD
7C. RICHARD - PITTSFIELD TO EDGEWOOD

AUGUST 23. 2025 TO NOVEMBER 25, 2026

8A. FERNWOOD - JEANNE TO PARKWOOD
8B. FERNWOOD - EDGEWOOD TO JEANNE
8C. EDGEWOOD - PITTSFIELD (SOUTH) TO PITTSFIELD (NORTH)
8D. CAROLYN - EDGEWOOD TO PINECREST

2026 FLEXIBLE TIMING - MARCH 30, 2026 TO NOVEMBER 25, 2026 THIS SUBPHASE MAY BE CONSTRUCTED AS TIME PERMITS WHILE SUBPHASE 5 TO 9 ARE ONGOING.

811 Know what's **below.** **Call before you dig.**

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00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PHASING PLAN

SCALE **PLAN:** 1" = 200'

DRAWING No.
2022-031-21

SHEET No.
21 OF 167

© PITTSFIELD VILLAGE IMPROVEMENTS; BID No. RFP NO. 25-06; 2022-031

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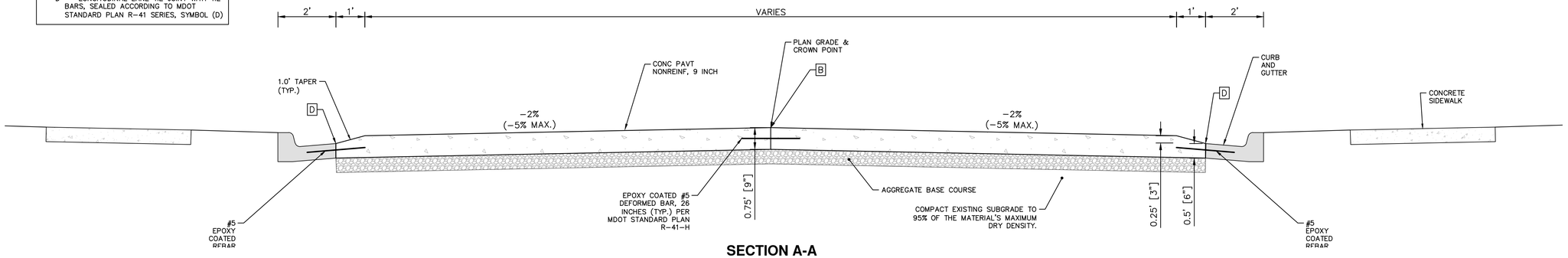
CONCRETE JOINT LEGEND:

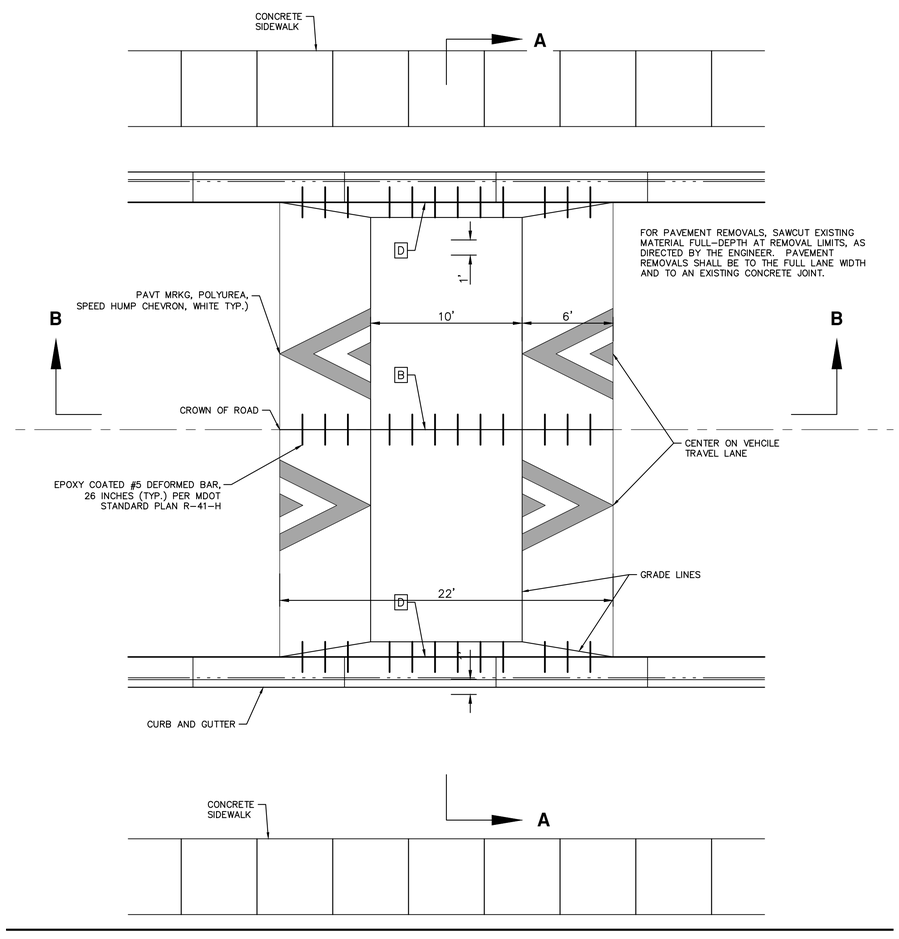
B – LONGITUDINAL BULKHEAD JOINT, SEALED ACCORDING TO MDOT STANDARD PLAN R–41 SERIES, SYMBOL (B)

D – LONGITUDINAL LANE TIE JOINT WITH TIE BARS, SEALED ACCORDING TO MDOT STANDARD PLAN R–41 SERIES, SYMBOL (D)

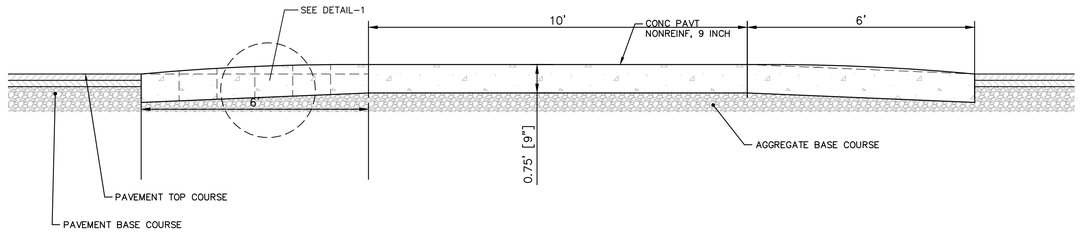


SECTION A-A

NOT TO SCALE

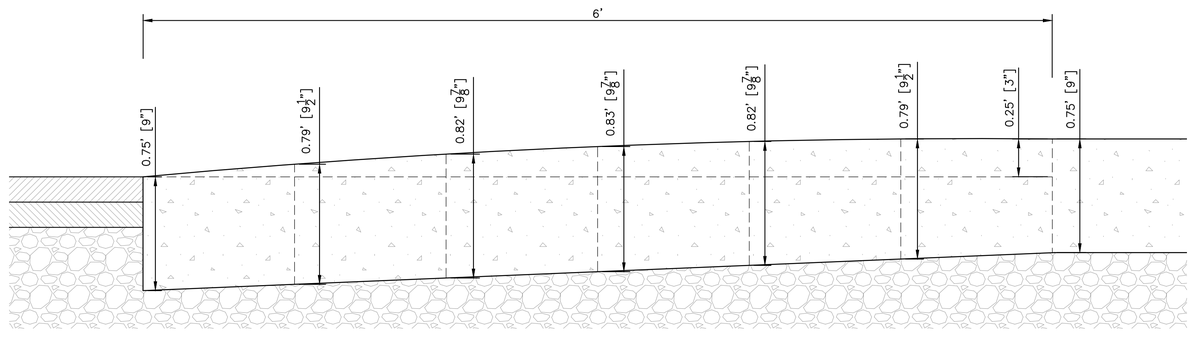


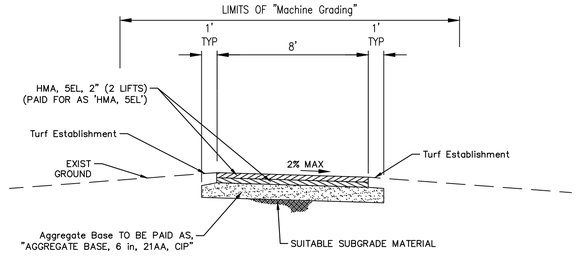
FOR PAVEMENT REMOVALS, SAWCUT EXISTING MATERIAL FULL–DEPTH AT REMOVAL LIMITS, AS DIRECTED BY THE ENGINEER. PAVEMENT REMOVALS SHALL BE TO THE FULL LANE WIDTH AND TO AN EXISTING CONCRETE JOINT.



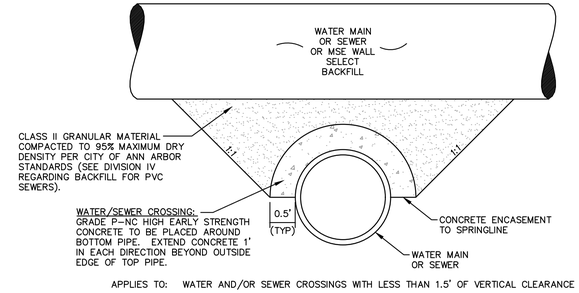
SECTION B-B

NOT TO SCALE





TYPICAL CROSS SECTION



APPLIES TO: WATER AND/OR SEWER CROSSINGS WITH LESS THAN 1.5' OF VERTICAL CLEARANCE

CONCRETE UTILITY SADDLE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

MISCELLANEOUS DETAILS

SCALE : NTS

DRAWING No. 2022-031-22

SHEET No. 22 OF 45

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Details\AA Standard Details.dwg Dwg Created: 22–Jan–24 – _a2 standard bw.stb – Plot Date: 23–Jan–25

GENERAL
NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.

2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.

4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.

5. ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR.

6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.

7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.

8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.

9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR OTHER METHODS APPROVED BY THE ENGINEER.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.

11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.

12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

1. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.

1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.

1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.

1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).

1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.

1.6. COMPLETE ALL FINE GRADING.

1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.

1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.

1.9. CLEAN OUT STORM SEWER SYSTEMS.

1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.

1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

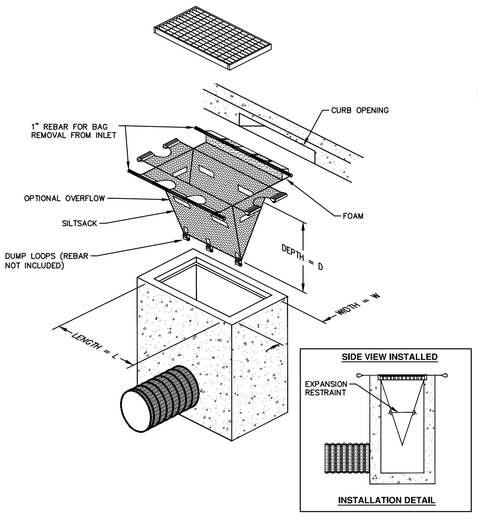
TEMPORARY SEEDING:

1. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.

2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

THE ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = $150,000

ON SITE SOILS PER THE USDA SOIL SURVEY OF WASHTENAW COUNTY, MICHIGAN:
- MOB – GLYNWOOD LOAM, GROUND MORAINES ON TILL PLAINS, END MORAINES ON TILL PLAINS. MODERATELY WELL DRAINED. 2 TO 6 PERCENT SLOPES..
- PE – PEWAMO CLAY LOAM, DRAINAGEWAYS ON TILL PLAINS, DEPRESSIONS ON TILL PLAINS. VERY POORLY DRAINED. 0 TO 2 PERCENT SLOPES.
- SO – SLOAN SILT LOAM, DEPRESSIONS ON FLOOD PLAINS. VERY POORLY DRAINED. 0 TO 1 PERCENT SLOPES, FREQUENTLY FLOODED.
- STB – ST CLAIR CLAY LOAM, KNOLLS ON TILL PLAINS, KNOLLS ON MORAINES. MODERATELY WELL DRAINED. 2 TO 6 PERCENT SLOPES
- STC – ST CLAIR CLAY LOAM, HILLS ON MORAINES, HILLS ON TILL PLAINS. MODERATELY WELL DRAINED. 6 TO 12 PERCENT SLOPES.



SILTSACK DETAIL

NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK

(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

HI-FLOW SILTSACK

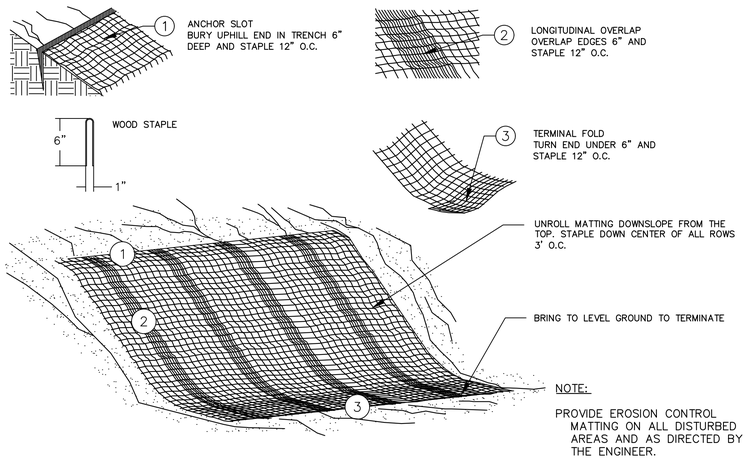
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC-1

OIL-ABSORBANT SILTSACK

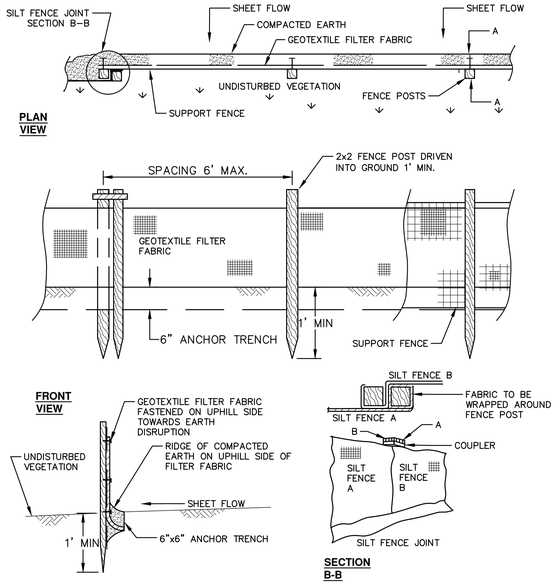
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS THAT THE CONTRACTOR INSTALL THE REBAR AS SHOWN IN THIS DETAIL TO PROVIDE A FULLY FUNCTIONING UNIT. ALL COSTS ASSOCIATED WITH FURNISHING, CLEANING AS MANY TIMES AS REQUIRED, DISPOSAL OF SEDIMENT, AND REMOVING THE INLET FILTER WHEN NO LONGER NEEDED IS INCLUDED IN THE ITEM OF WORK AND WILL NOT BE PAID FOR SEPARATELY.



MULCH BLANKET DETAIL

APPLIES TO ALL AREAS TO BE PERMANENTLY RESTORED WITH GRASS. SEE LANDSCAPE PLANS FOR MORE DETAILS.



SILT FENCE SD-EC-3

811 Know what's below. Call before you dig.

01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

STANDARD SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND DETAIL

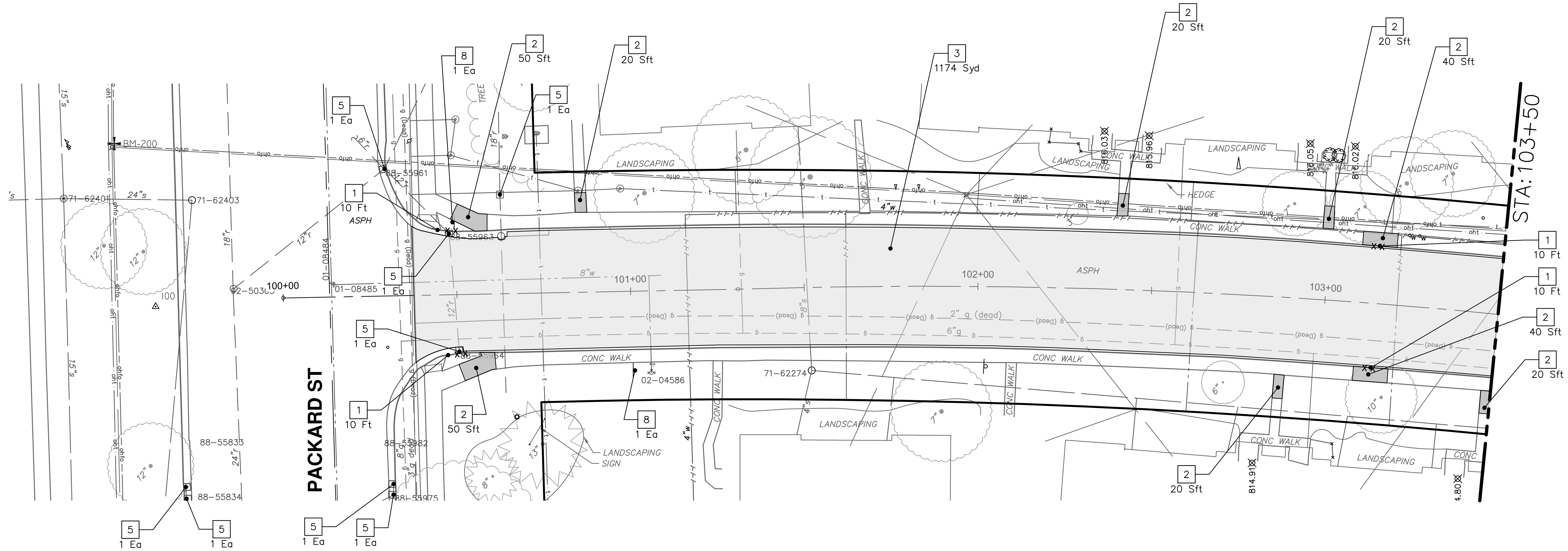
SCALE : NTS

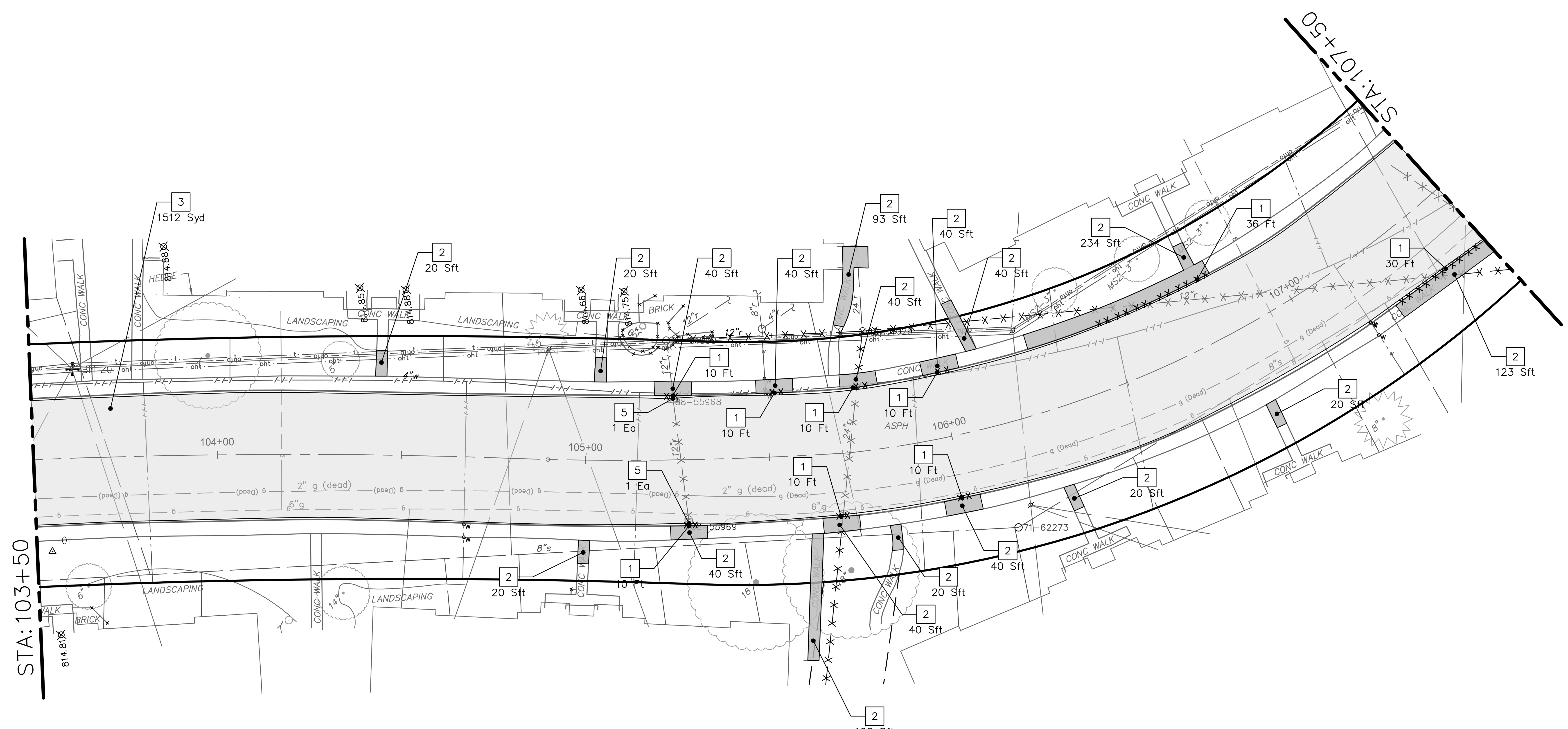
DRAWING No. 2022-031-23

SHEET No. 23 OF 45

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Details\AA Standard Details.dwg Dwg Created: 22-Jan-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD



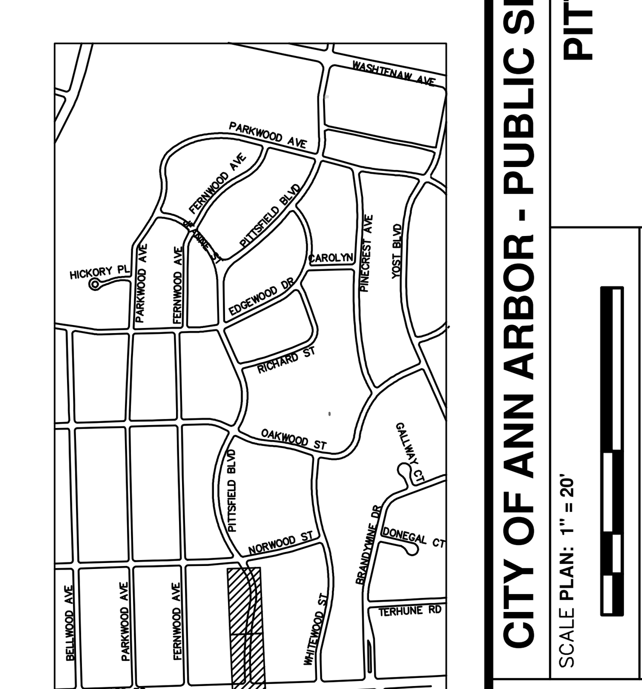


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

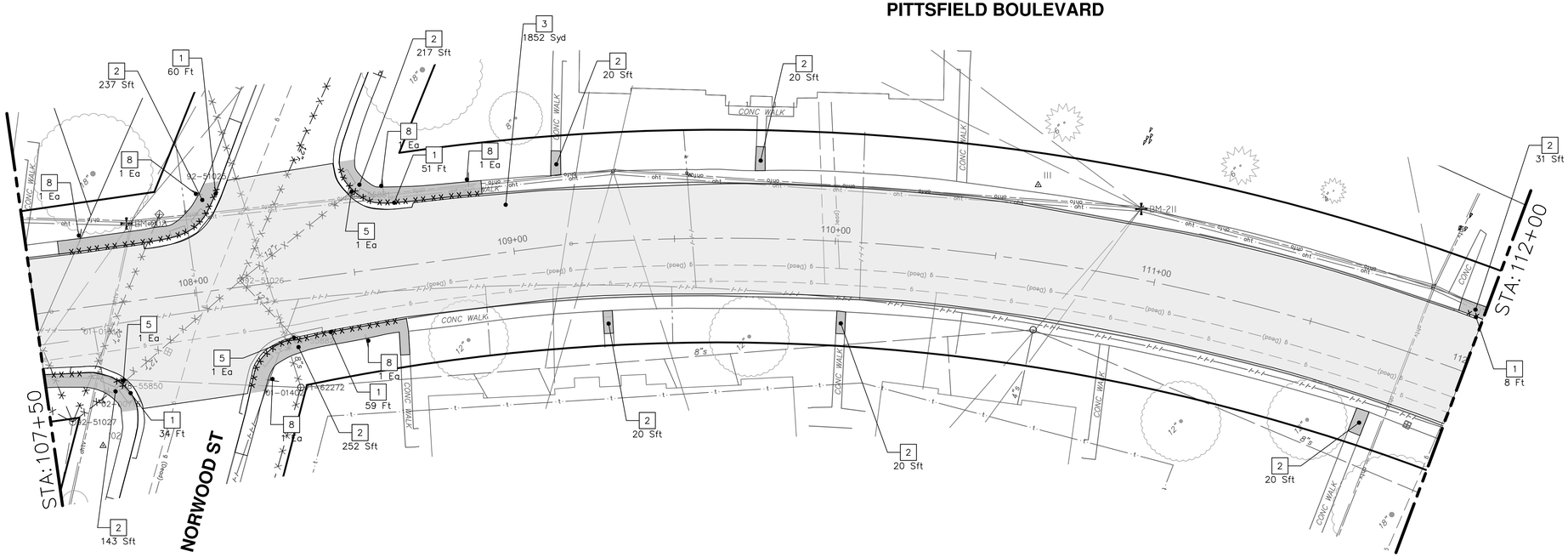
REMOVAL PLAN (STA 100+00 TO STA 107+50)

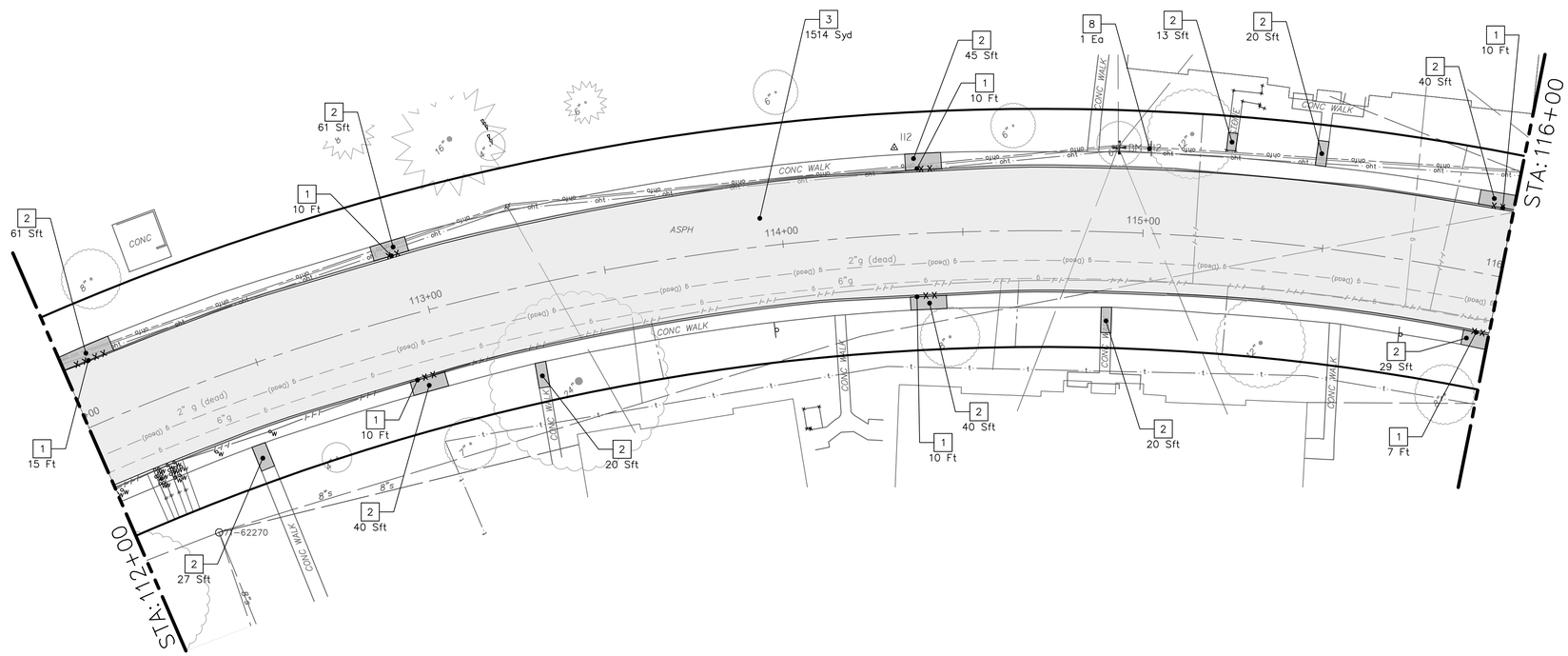
SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-24

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PITTSFIELD_REM.dwg Dwg Created: 21-Jan-25 – _a2 standard bw.stb – Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD



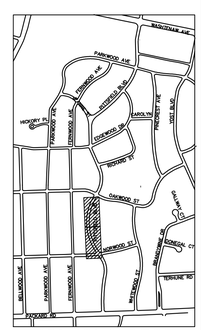


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

REMOVAL PLAN (STA 107+50 TO STA 116+50)

SCALE PLAN: 1" = 20'

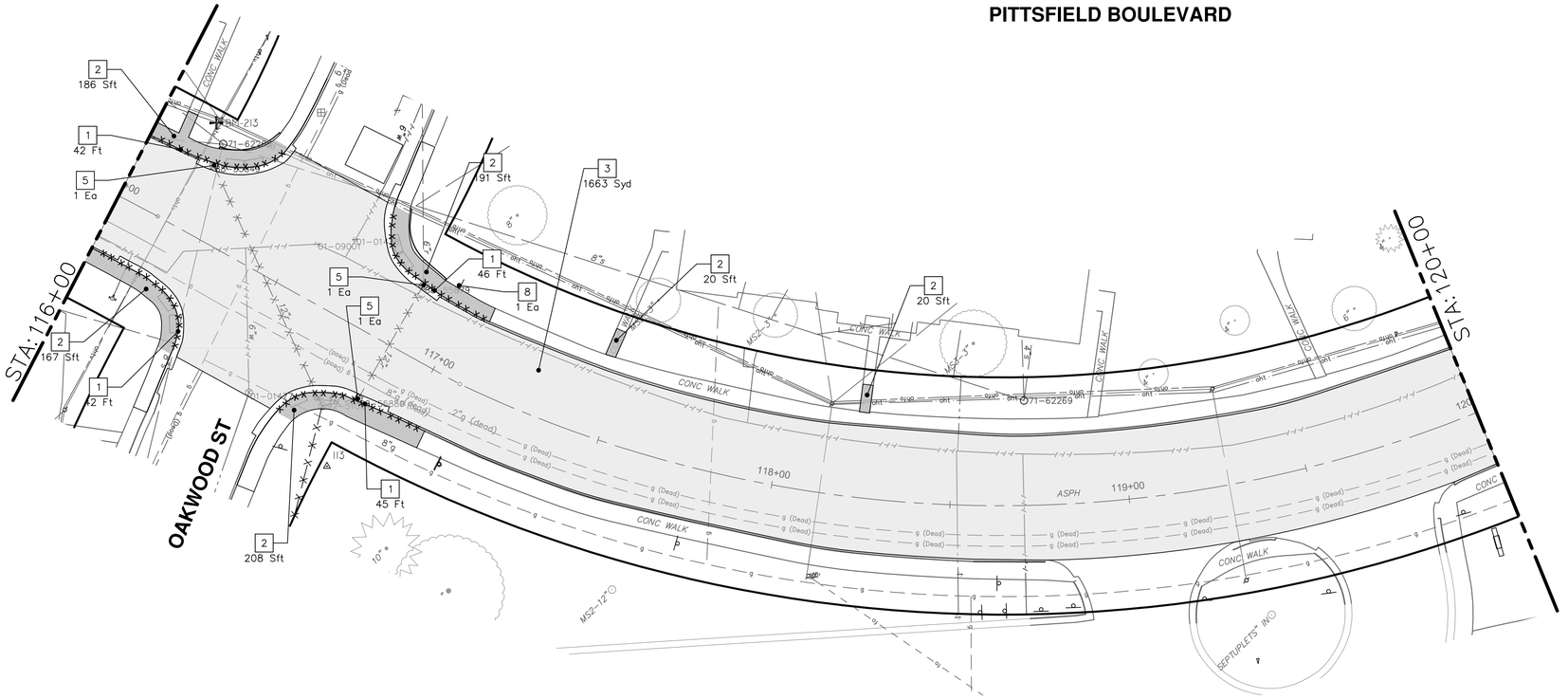
DRAWING No. 2022-031-25

SHEET No. 25 OF 167

Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PITTSFIELD_REM.dwg Dwg Created: 21-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD



REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
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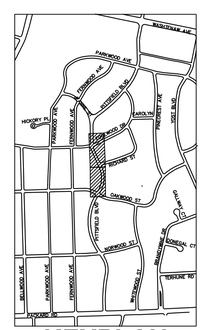

KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

REMOVAL PLAN (STA 116+50 TO STA 124+00)

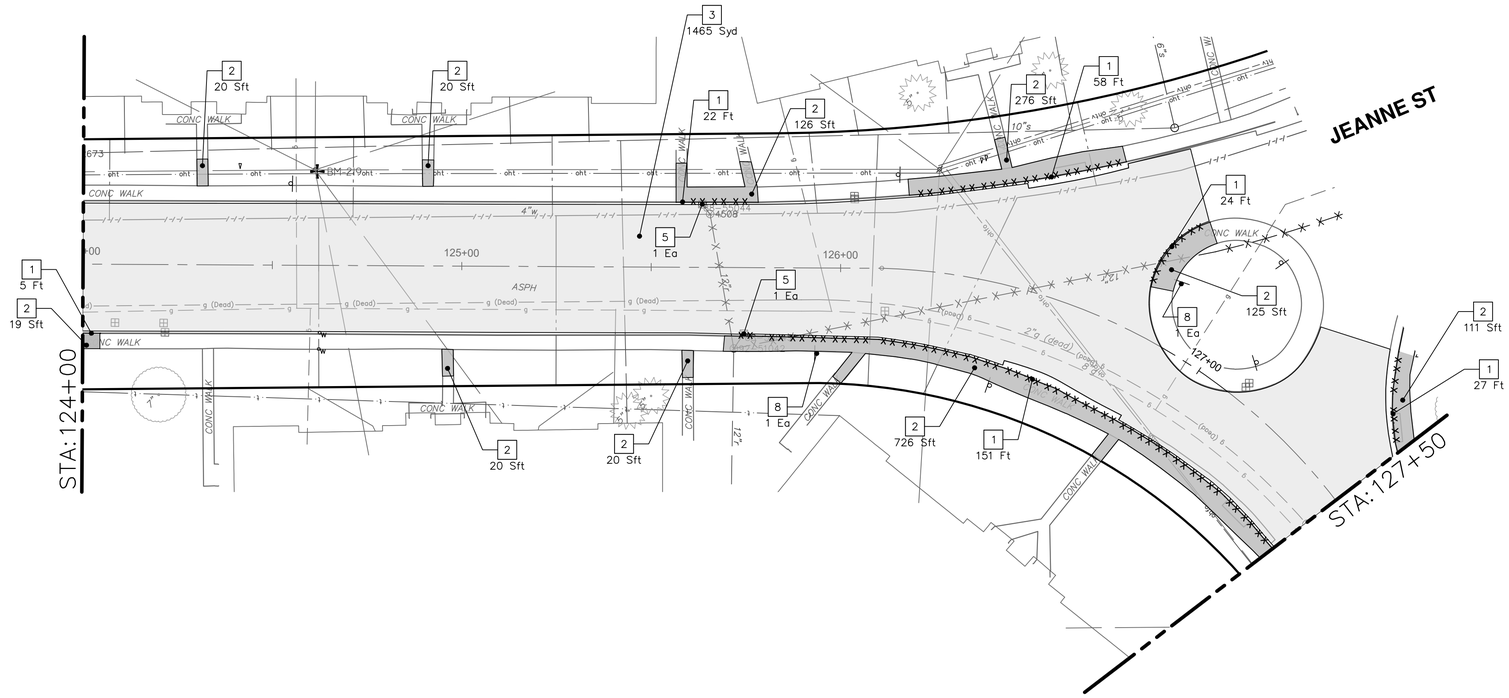
SCALE PLAN: 1" = 20'

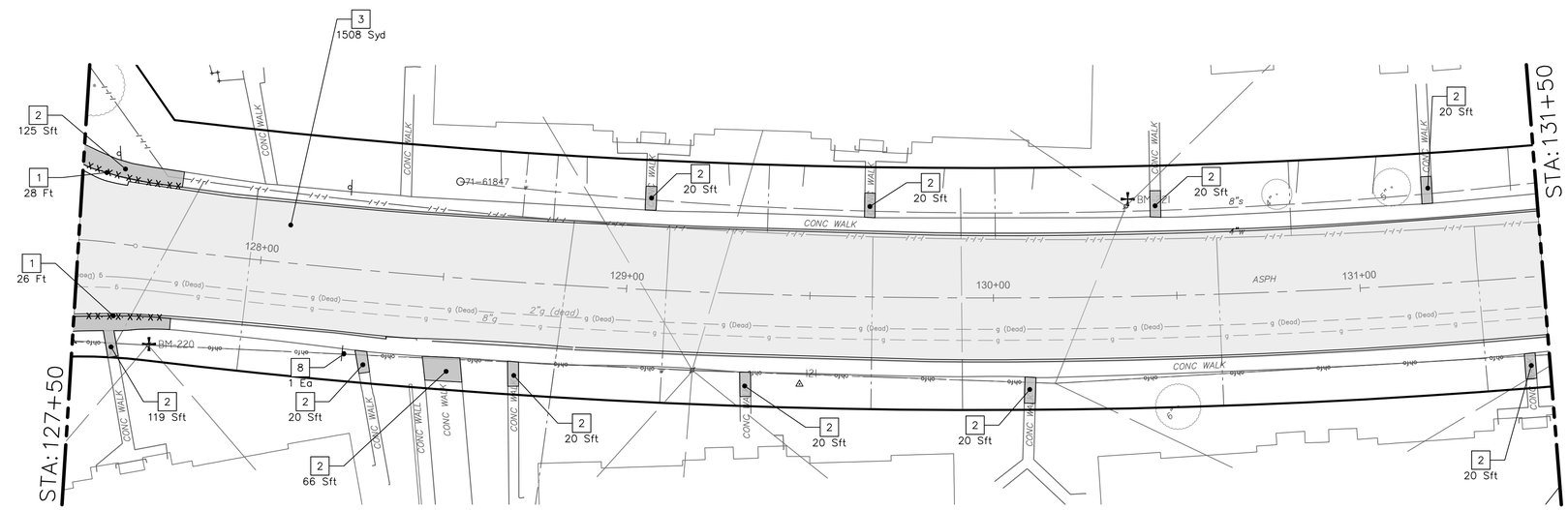
DRAWING No. 2022-031-26

SHEET No. 26 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PITTSFIELD_REM.dwg Dwg Created: 21-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD





REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
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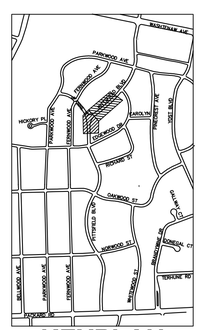
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

REMOVAL PLAN (STA 124+00 TO STA 131+50)

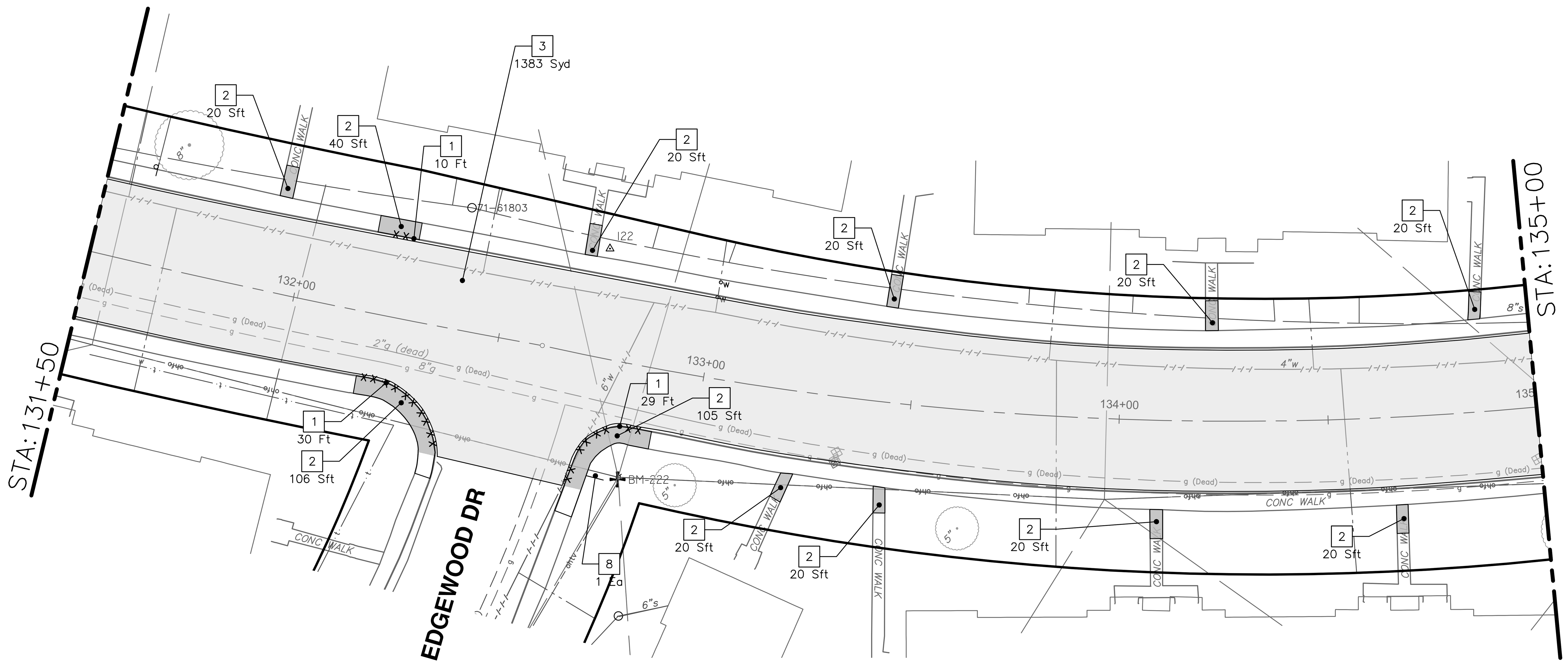
SCALE PLAN: 1" = 20'

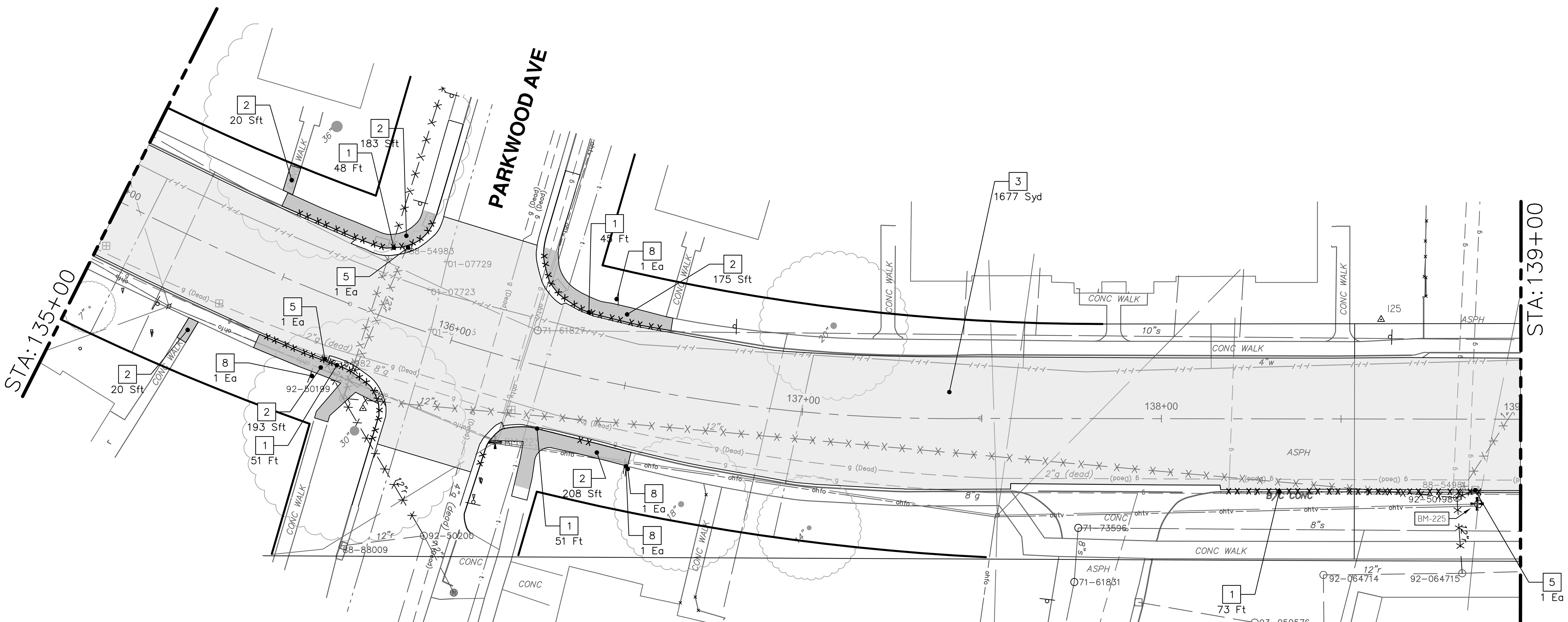
DRAWING No. 2022-031-27

SHEET No. 27 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PITTSFIELD_REM.dwg Dwg Created: 21-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD





REMOVAL KEY	
KEY	**DESCRIPTION**
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
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6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

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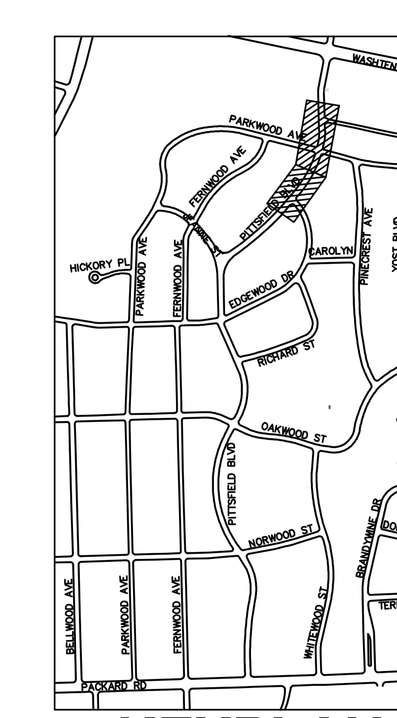

KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

REMOVAL PLAN (STA 131+50 TO STA 139+00)

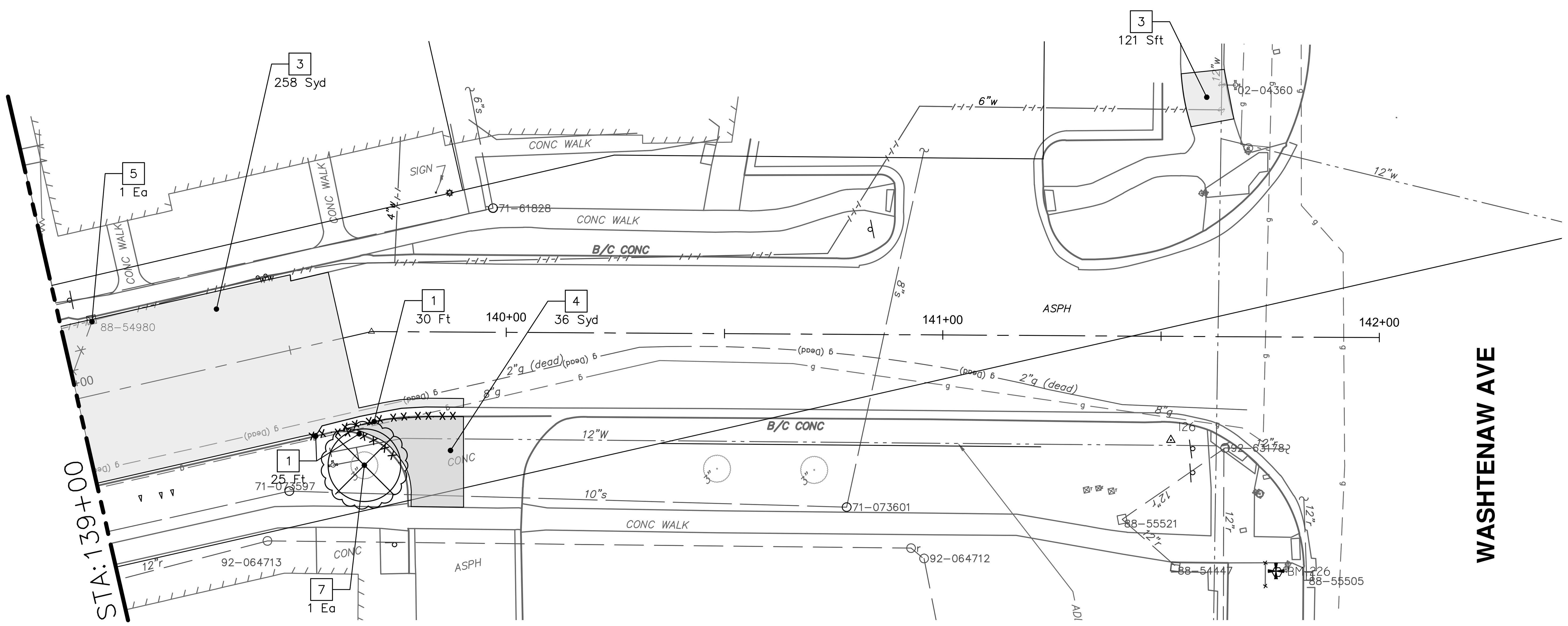
SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-28

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PITTSFIELD_REM.dwg Dwg Created: 21-Jan-25 – _a2 standard bw.stb – Plot Date: 23-Jan-25

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PITTSFIELD_REM.dwg Dwg Created: 21-Jan-25 - _a2 standard bw.stb - Plot Date: 24-Jan-25

PITTSFIELD BOULEVARD



REMOVAL KEY	
KEY	**DESCRIPTION**
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
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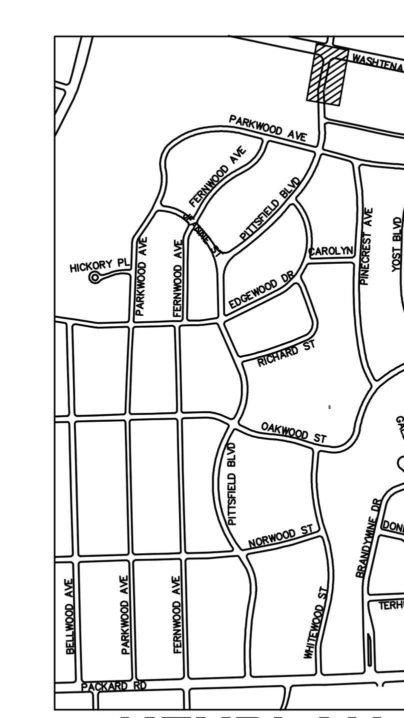

KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

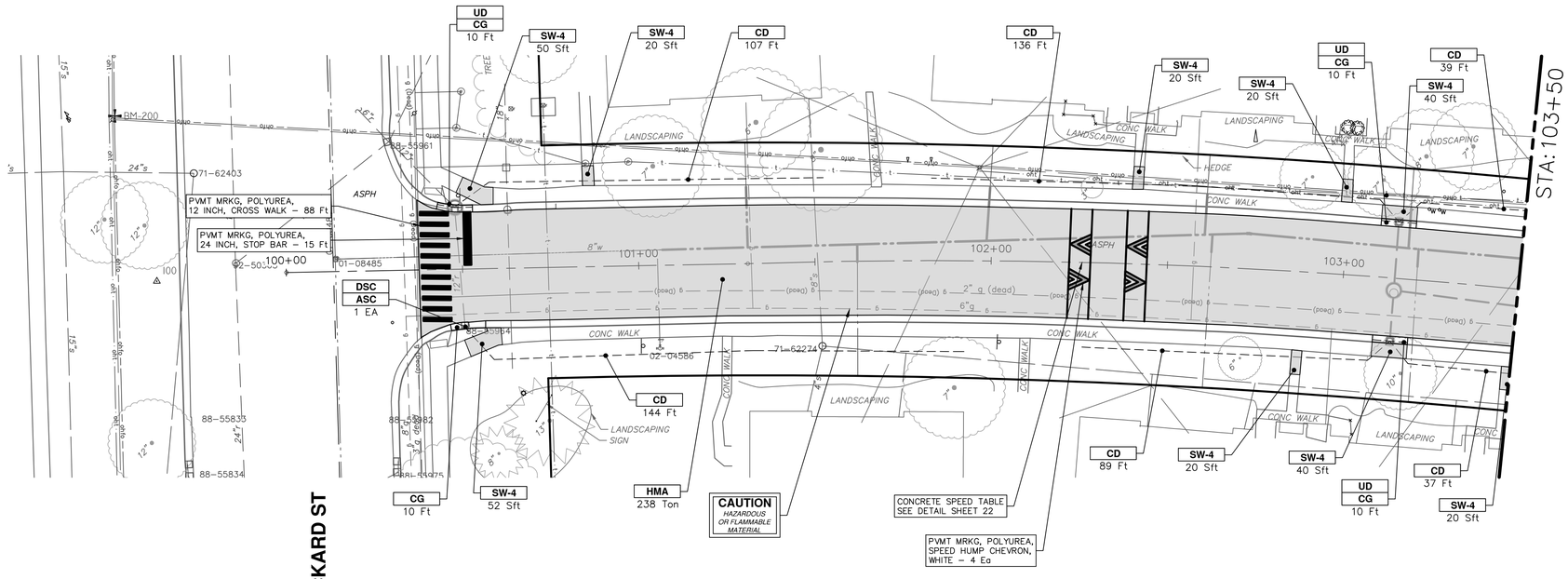
REMOVAL PLAN (STA 139+00 TO STA 142+00)

SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-29

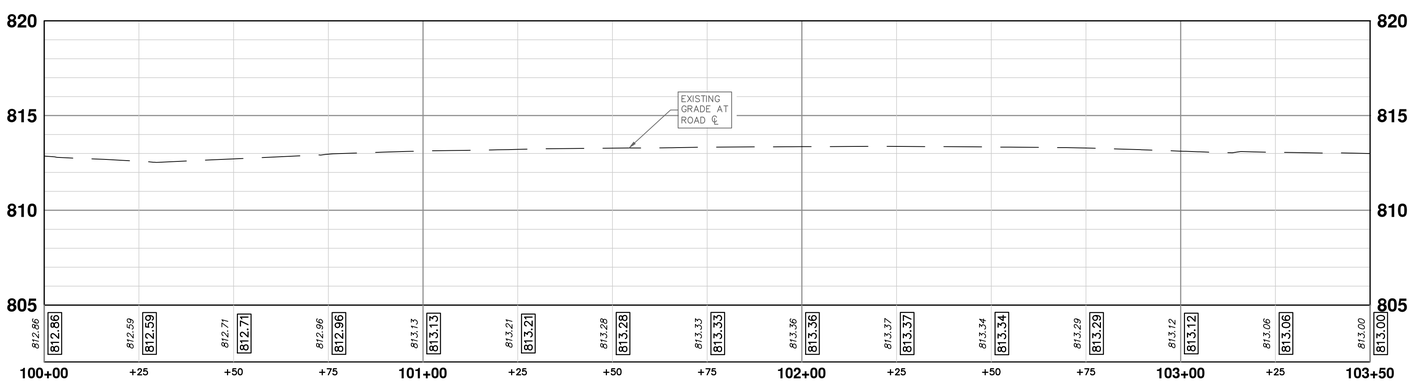
SHEET No. 29 OF 167

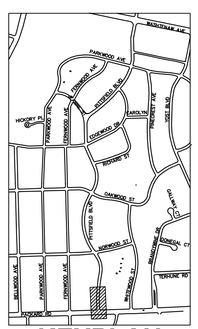
PITTSFIELD BOULEVARD



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 100+00 TO STA 103+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

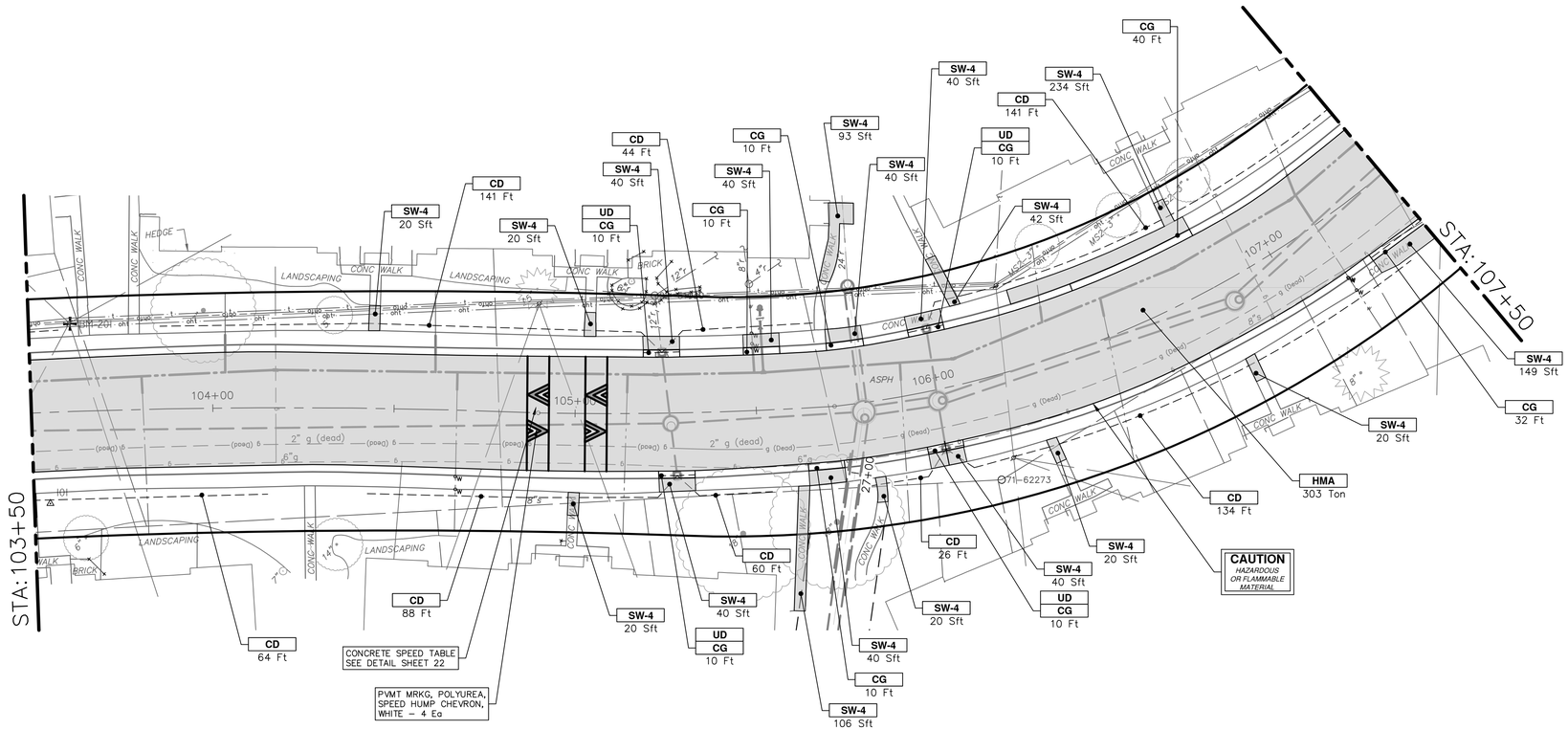
DRAWING No. 2022-031-30

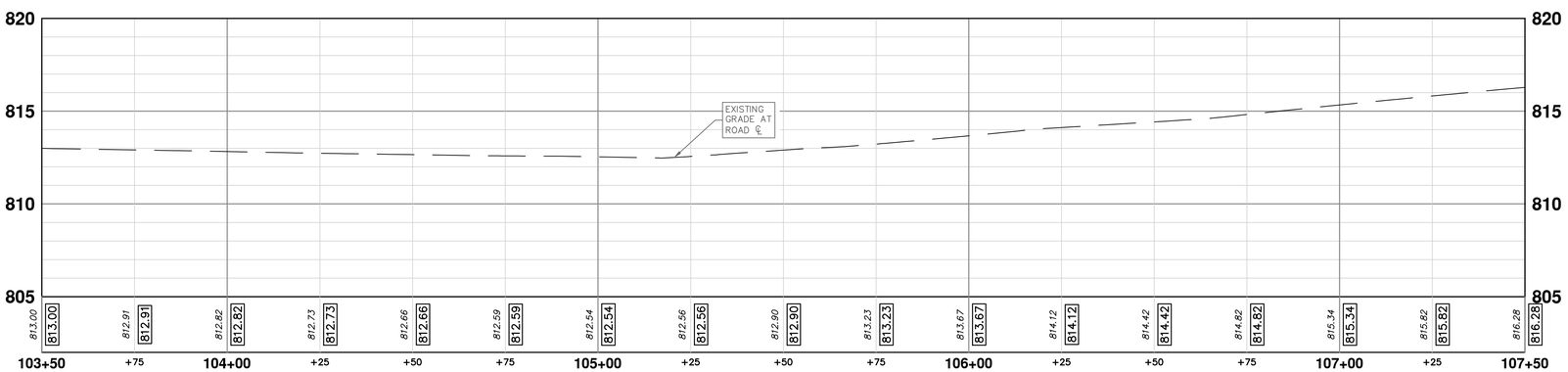
SHEET No. 30 OF 167

Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON.dwg Dwg Created: 17-Dec-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD





CONSTRUCTION KEY

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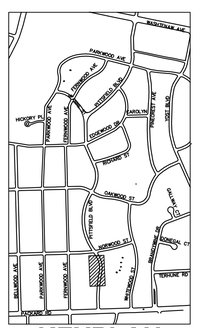
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

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REV.	DATE	DESCRIPTION	DRAWN	CHECKED
00	12-19-2024	BID SET	SM	CE
01	1-22-2025	ADDENDUM #2	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 103+50 TO STA 107+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

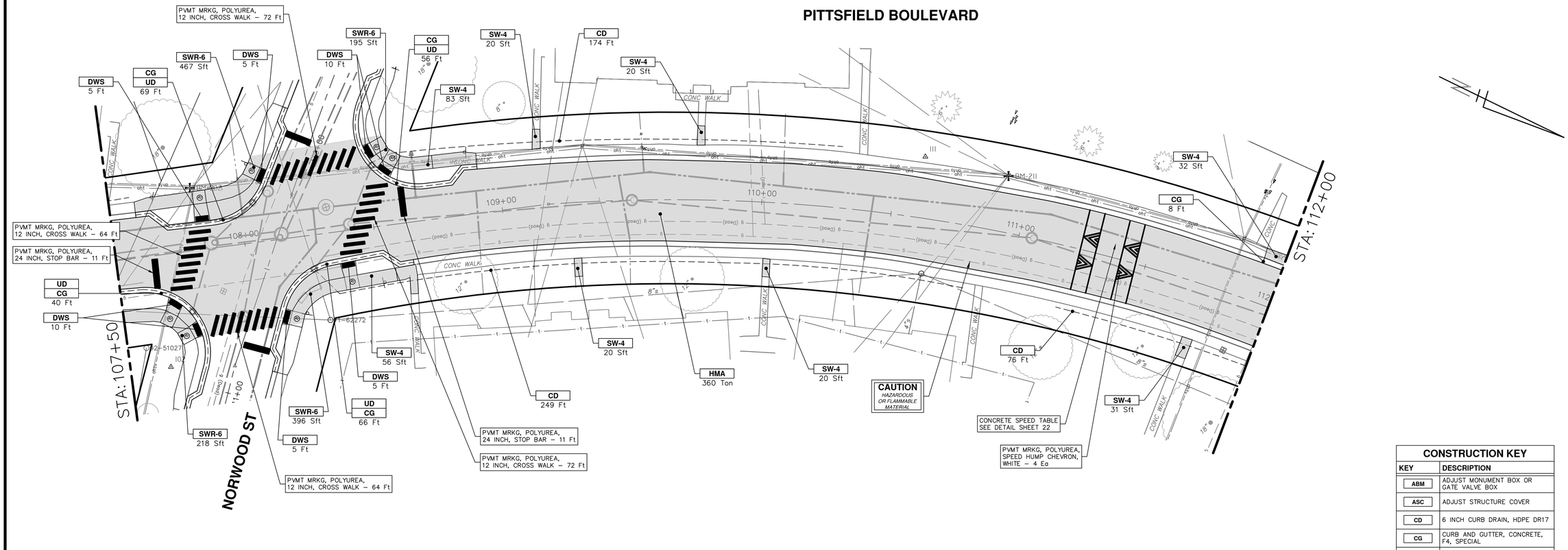
DRAWING No. 2022-031-31

SHEET No. 31 OF 167

Know what's below. Call before you dig.

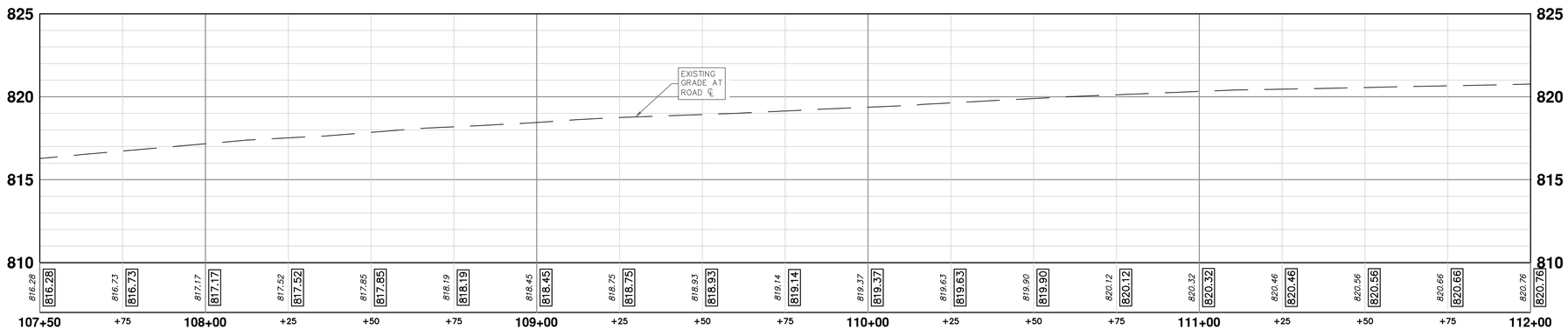
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON.dwg Dwg Created: 17-Dec-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25

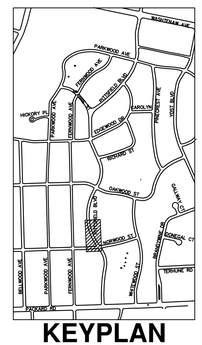
PITTSFIELD BOULEVARD



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





KEYPLAN

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 107+50 TO STA 112+00)

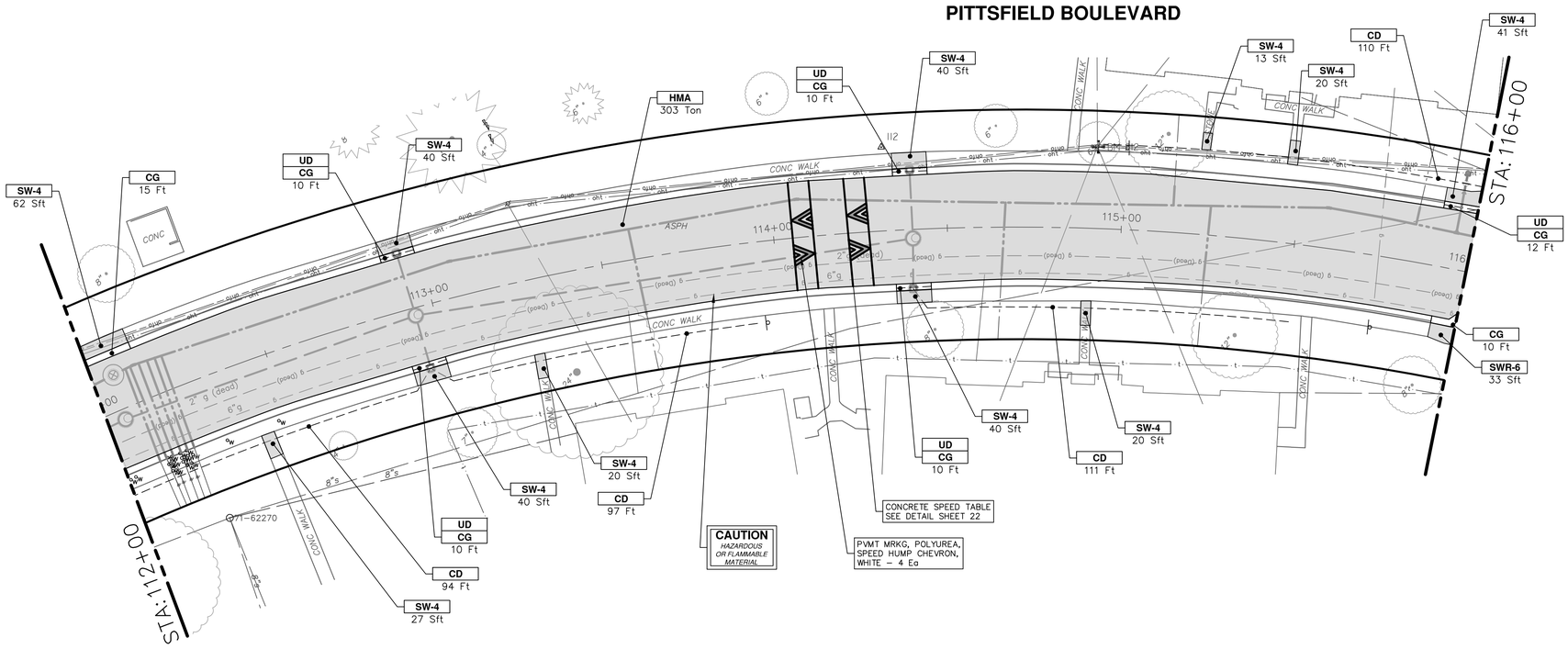
SCALE **PLAN: 1" = 20'** **PROFILE: 1" = 4'**

DRAWING No. **2022-031-32**

SHEET No. **32 OF 167**

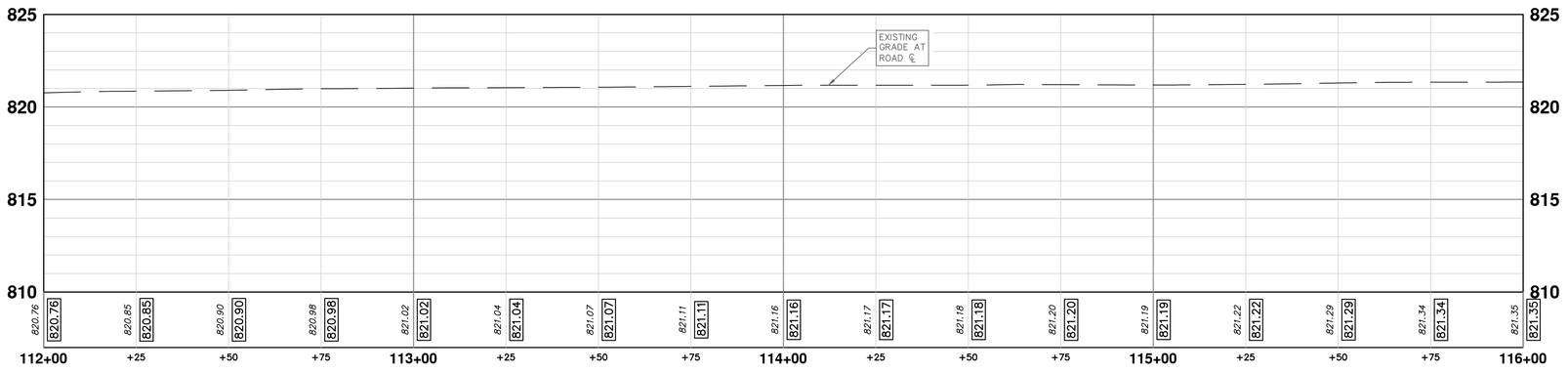
P:\0000_0100\00282300S0_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230S0PITTSFIELD_CON.dwg Dwg Created: 17-Dec-24 – _02 standard bw.stb – Plot Date: 23-Jan-25

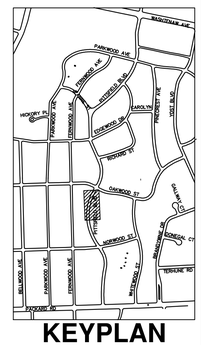
PITTSFIELD BOULEVARD



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 112+00 TO 116+50)

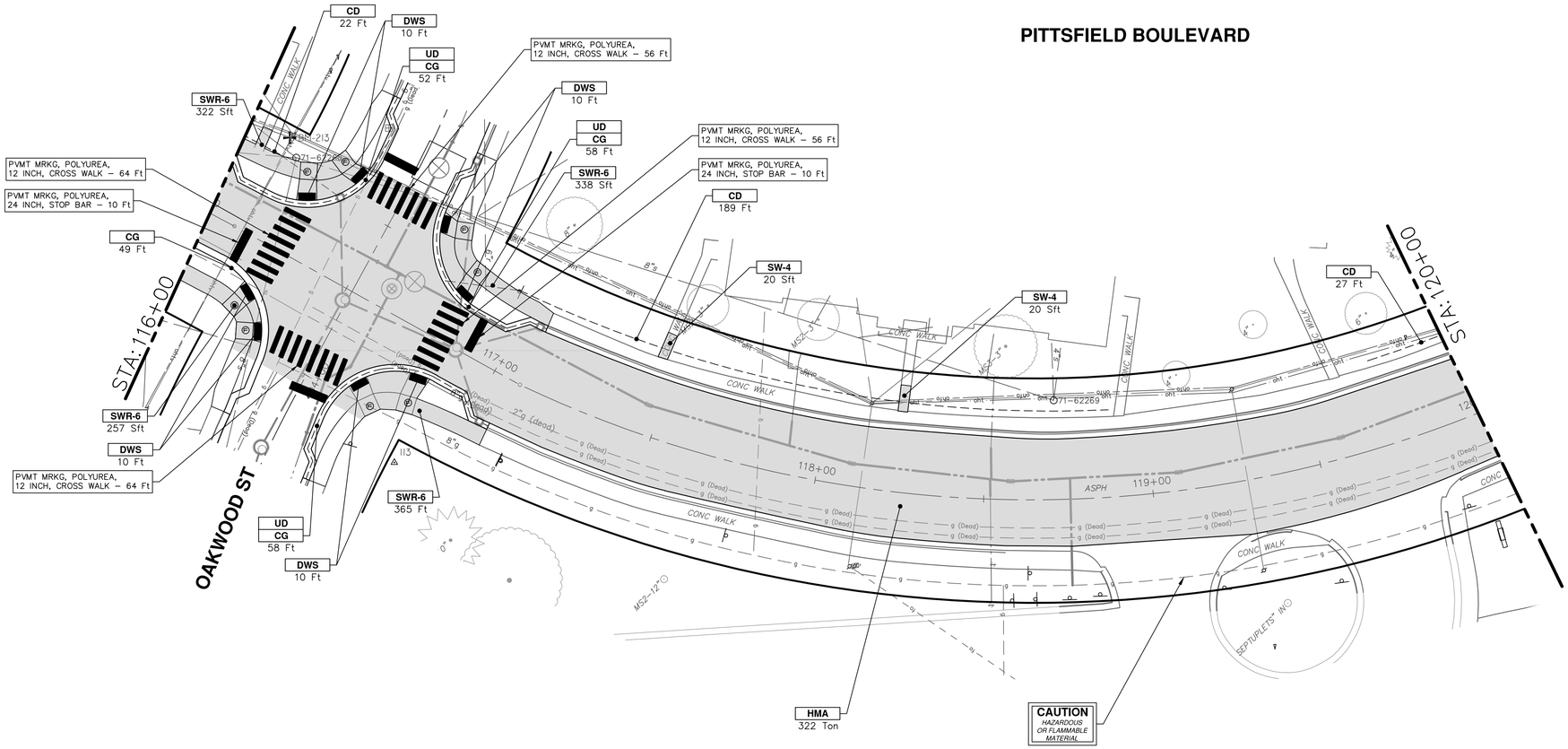
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-33

SHEET No. 33 OF 167

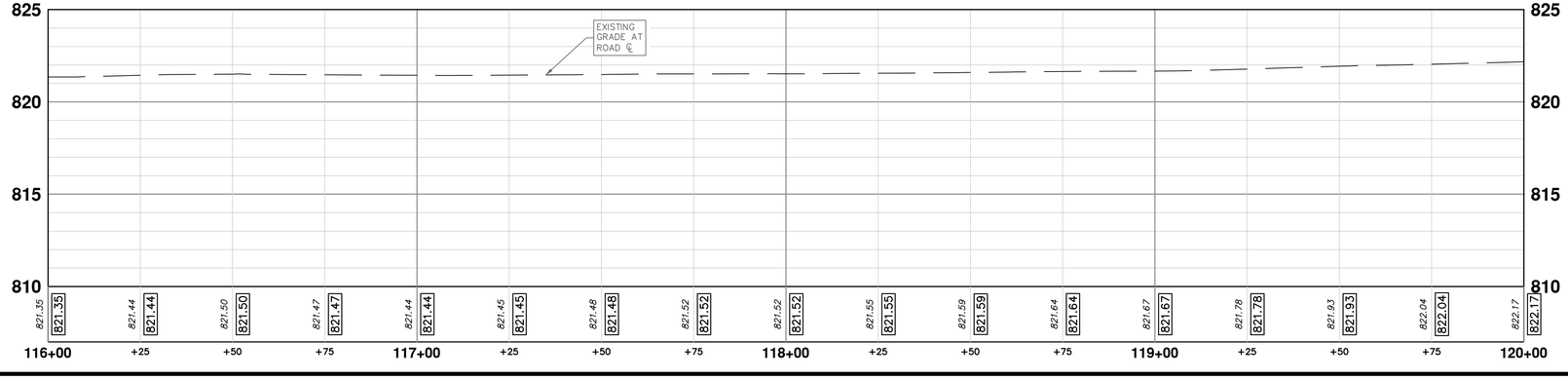
P:\0000_0100\00282300050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON.dwg Dwg Created: 17-Dec-24 – _02 standard bw.stb – Plot Date: 23-Jan-25

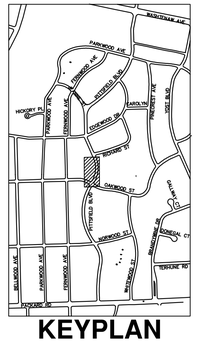
PITTSFIELD BOULEVARD



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 116+50 TO STA 120+00)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

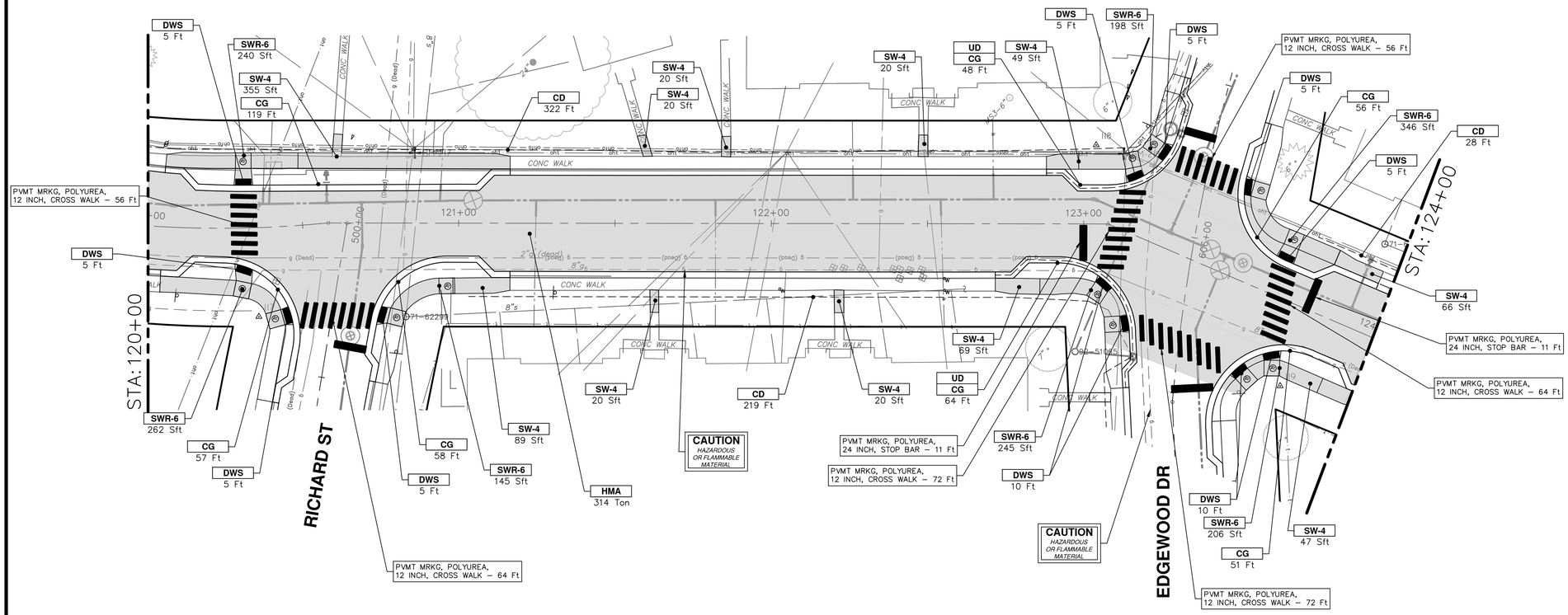
DRAWING No. 2022-031-34

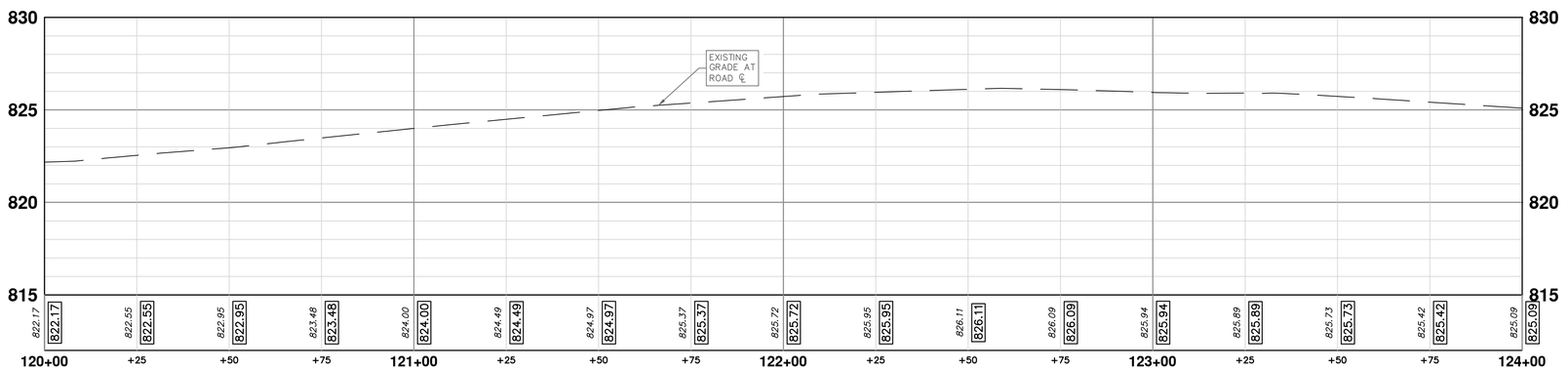
SHEET No. 34 OF 167

Know what's below. Call before you dig.

P:\0000_0100\002823005O_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON.dwg Dwg Created: 17-Dec-24 – _02 standard bw.stb – Plot Date: 23-Jan-25

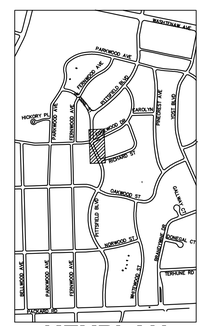
PITTSFIELD BOULEVARD





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 120+00 TO STA 124+00)

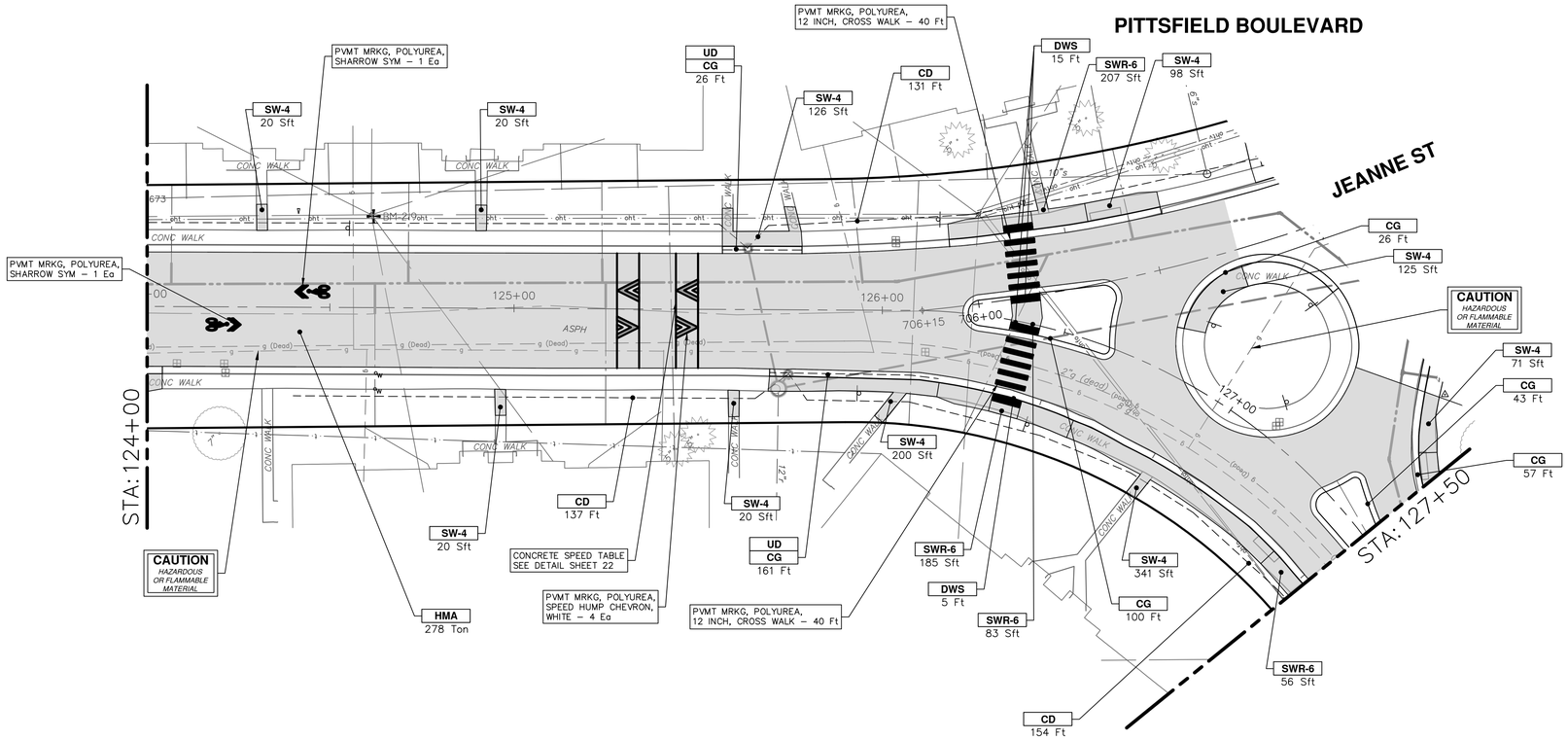
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

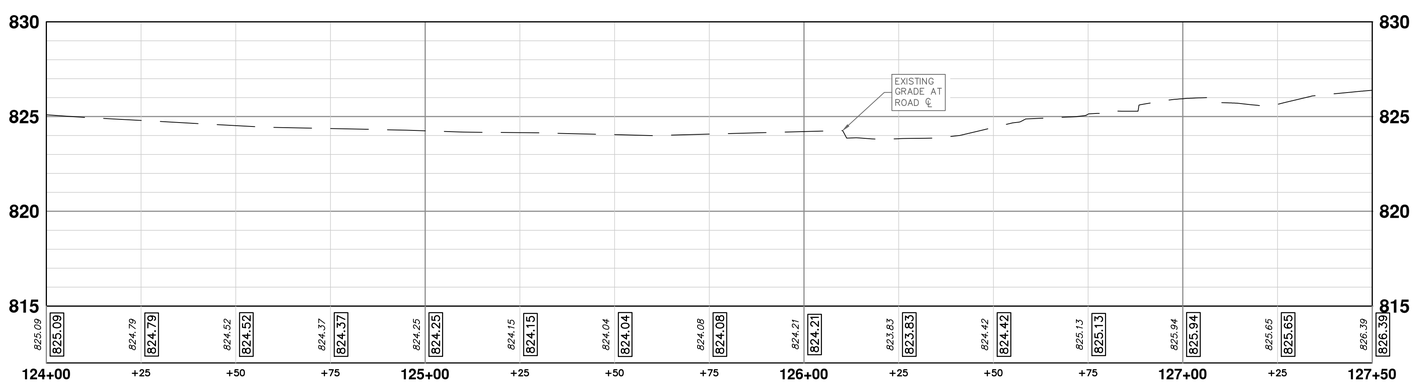
DRAWING No. 2022-031-35

SHEET No. 35 OF 167

Know what's below. Call before you dig.

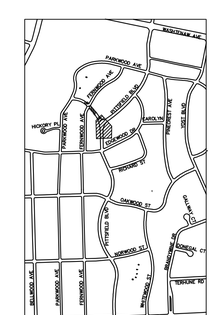
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON.dwg Dwg Created: 17-Dec-24 – _02 standard bw.stb – Plot Date: 23-Jan-25





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
ROAD PLAN (STA 124+00 TO STA 127+50)

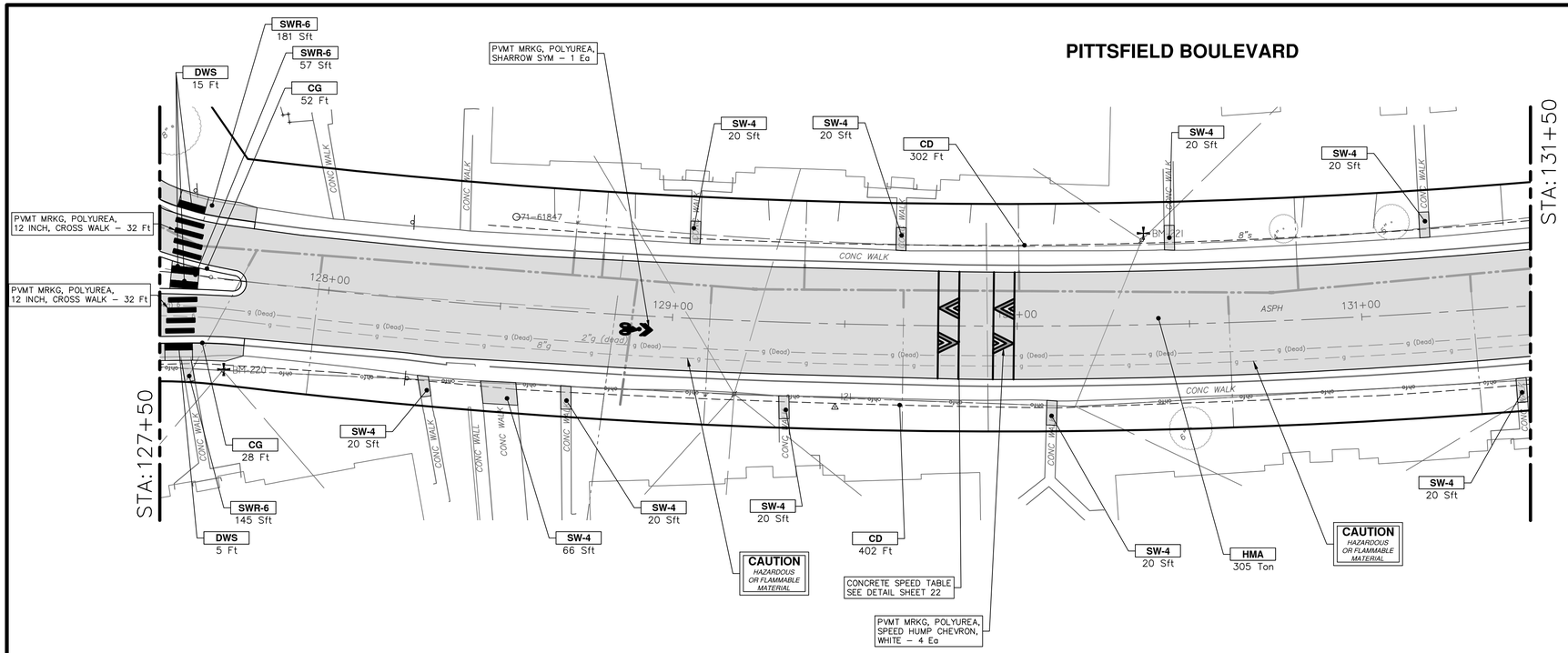
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

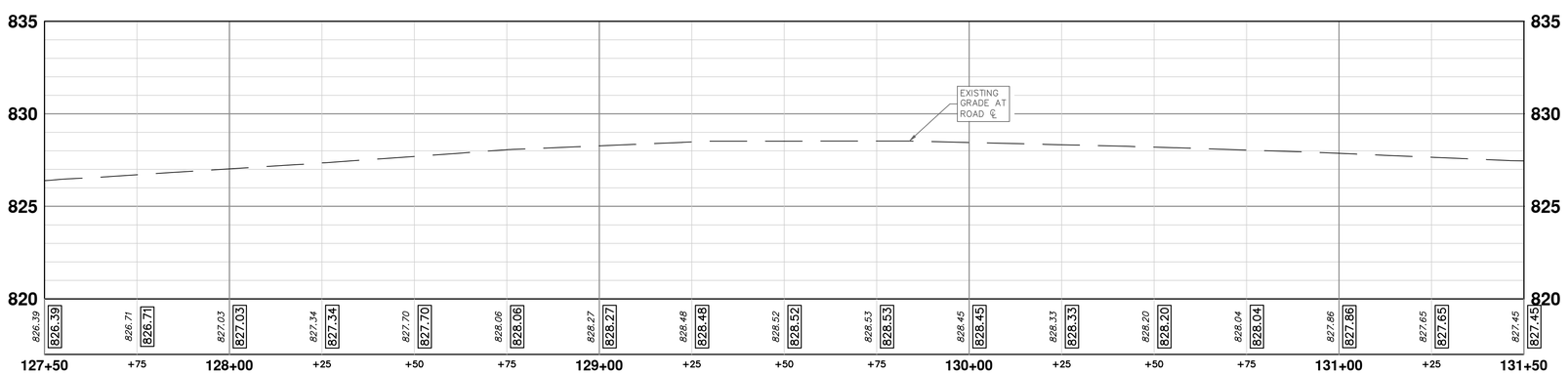
DRAWING No. 2022-031-36

SHEET No. 36 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON (2).dwg Dwg Created: 21-Jan-25 – _a2 standard bw.stb – Plot Date: 23-Jan-25

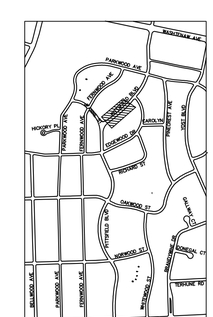
PITTSFIELD BOULEVARD





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 127+50 TO STA 131+50)

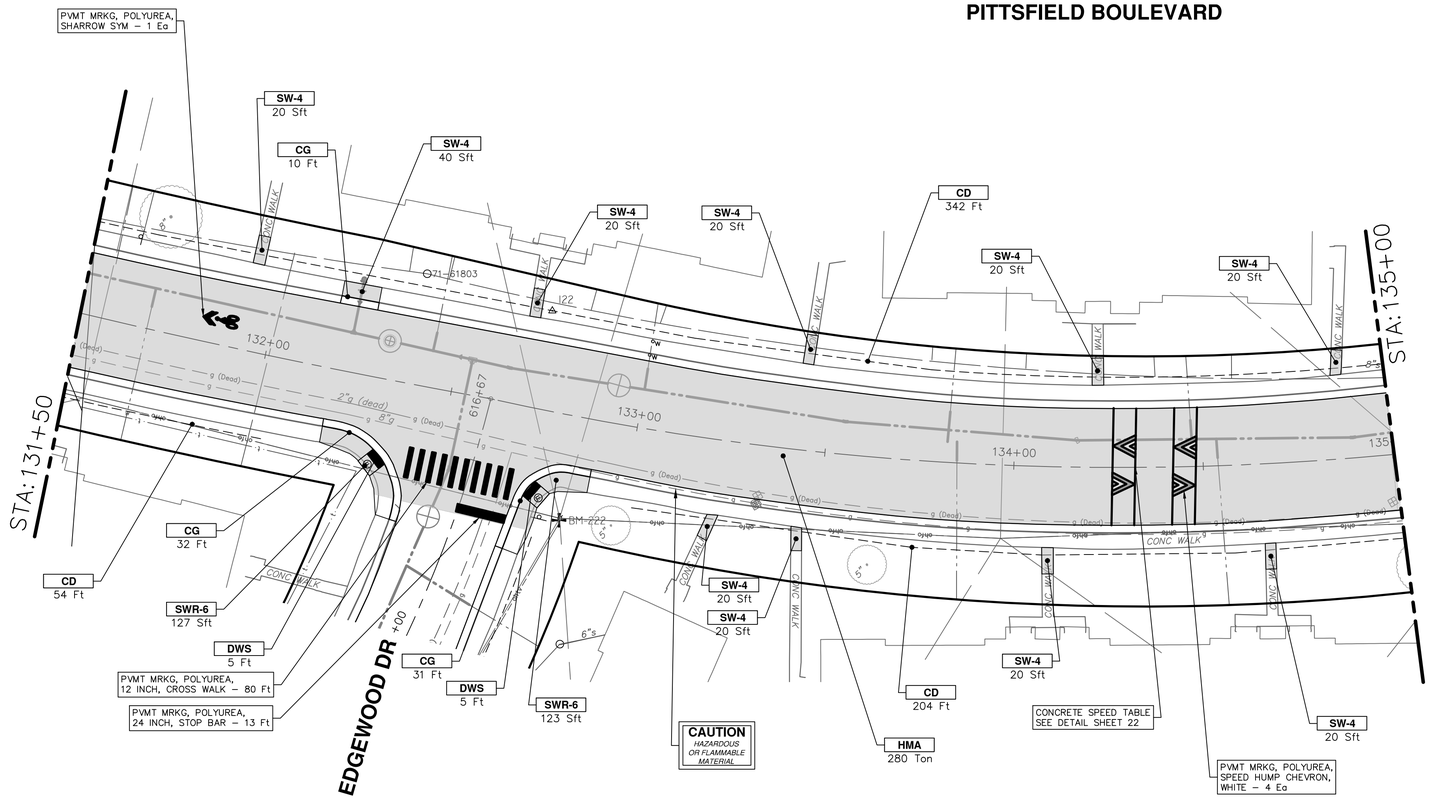
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

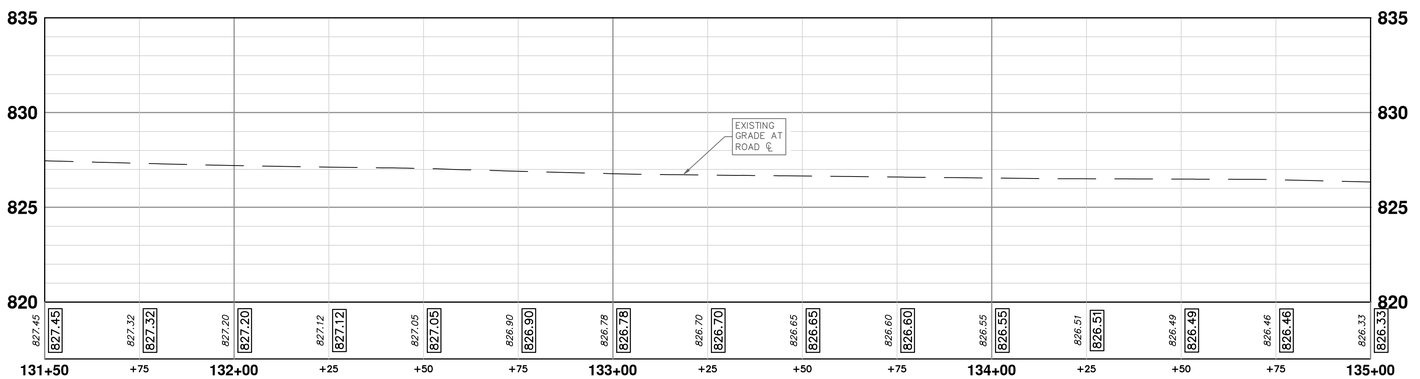
DRAWING No. 2022-031-37

SHEET No. 37 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON (2).dwg Dwg Created: 21-Jan-25 – _a2 standard bw.stb – Plot Date: 23-Jan-25

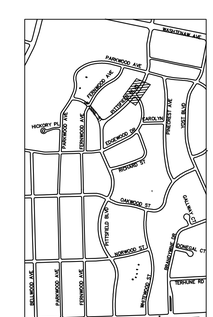
PITTSFIELD BOULEVARD





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 131+50 TO STA 135+00)

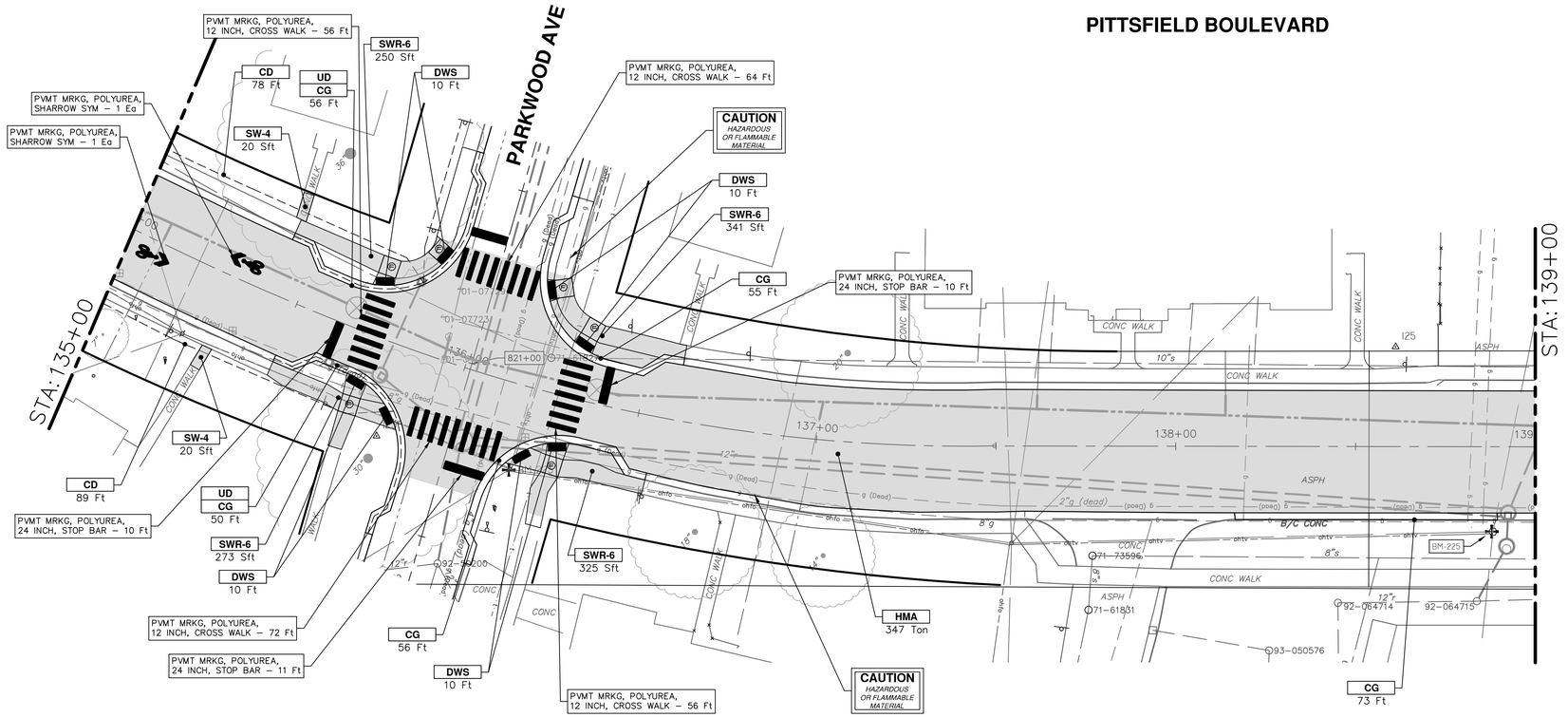
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

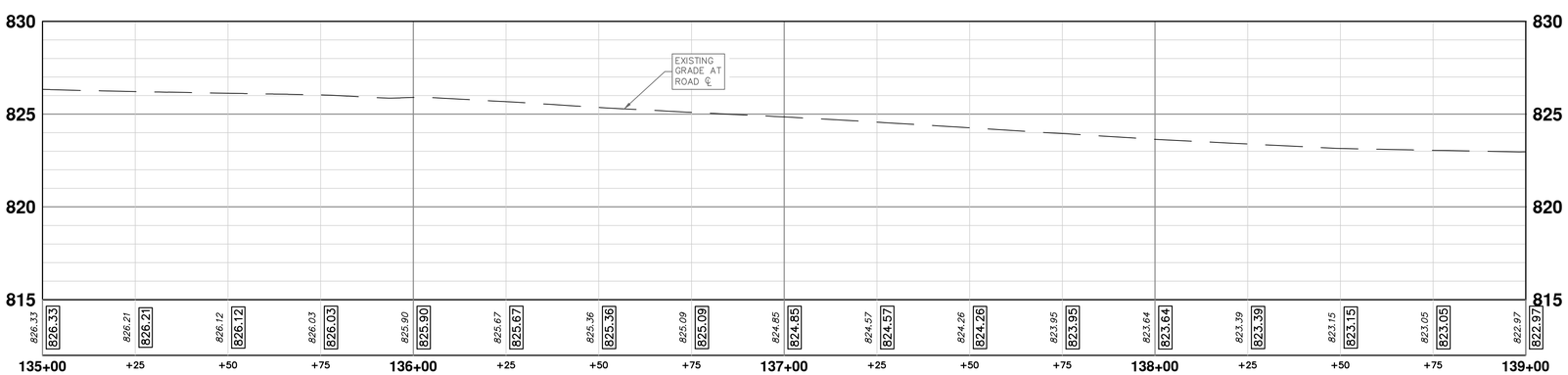
DRAWING No. 2022-031-38

SHEET No. 38 OF 167

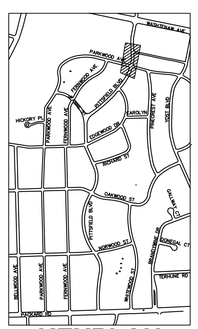
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON (2).dwg Dwg Created: 21-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD





CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 135+00 TO STA 139+00)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

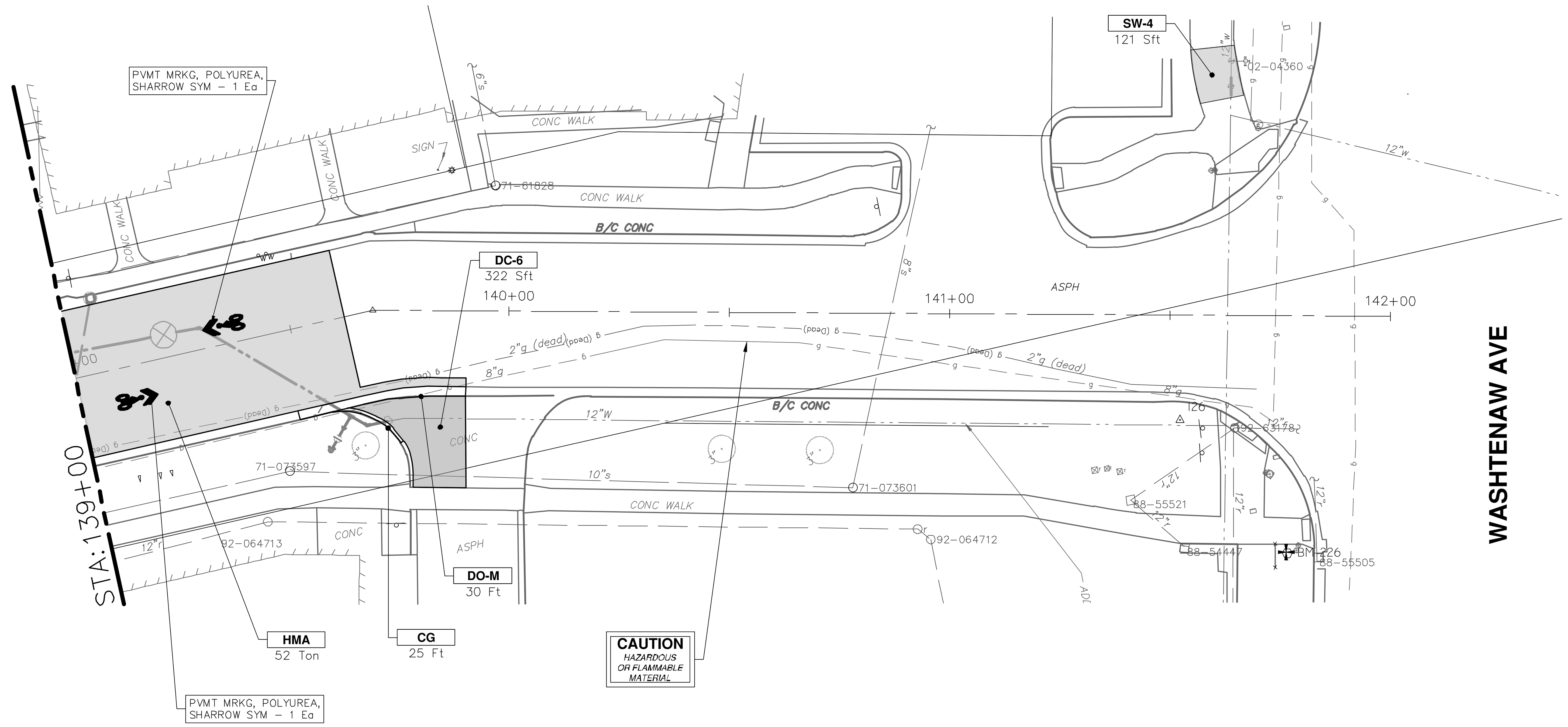
DRAWING No. 2022-031-39

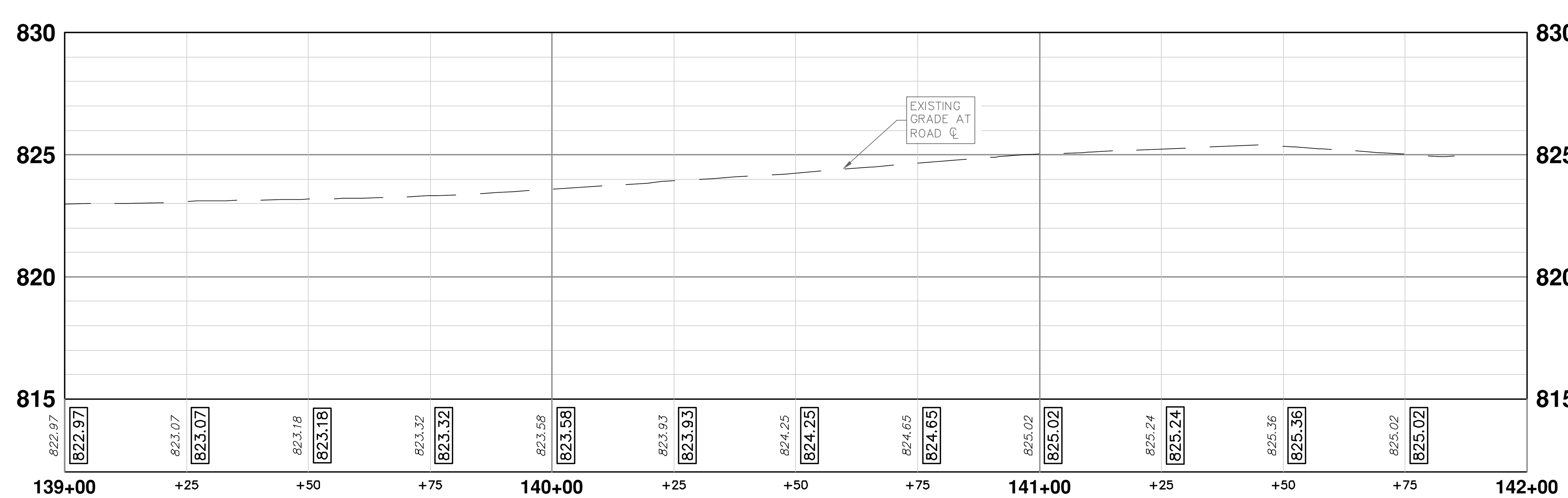
SHEET No. 39 OF 167

Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON (2).dwg Dwg Created: 21-Jan-25 23-Jan-25 _a2 standard bw.stb – Plot Date:

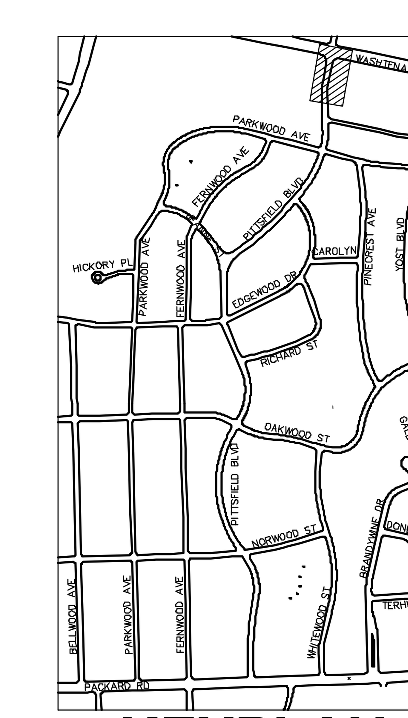
PITTSFIELD BOULEVARD





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 139+00 TO STA 142+00)

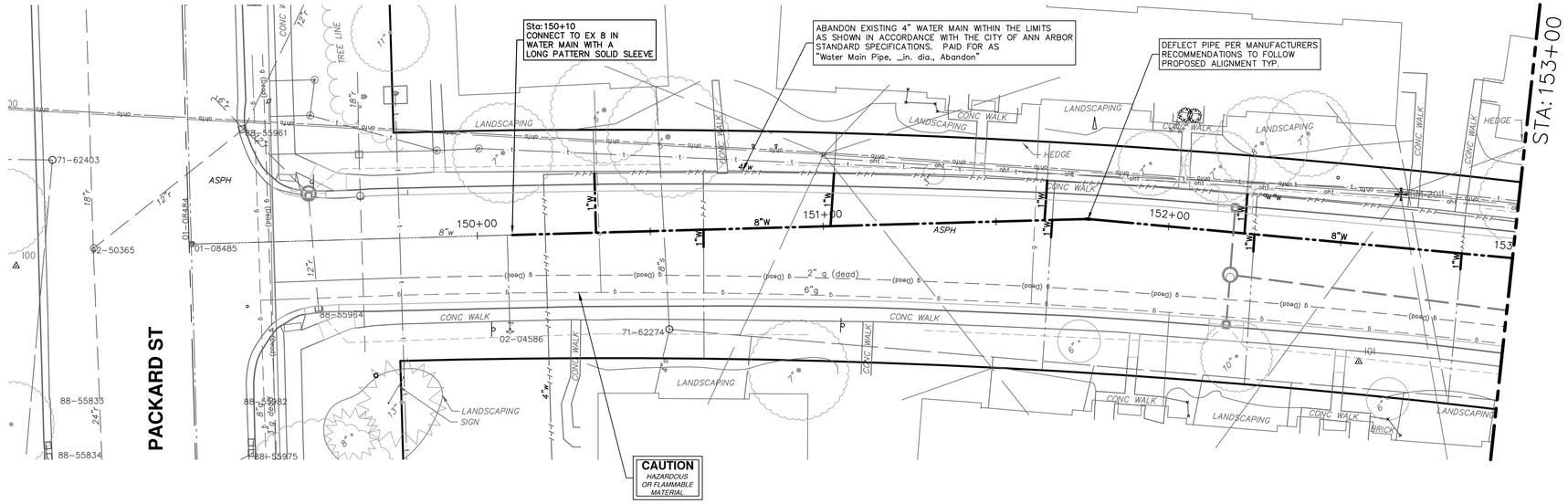
SCALE 1" = 20' PROFILE: 1" = 4'

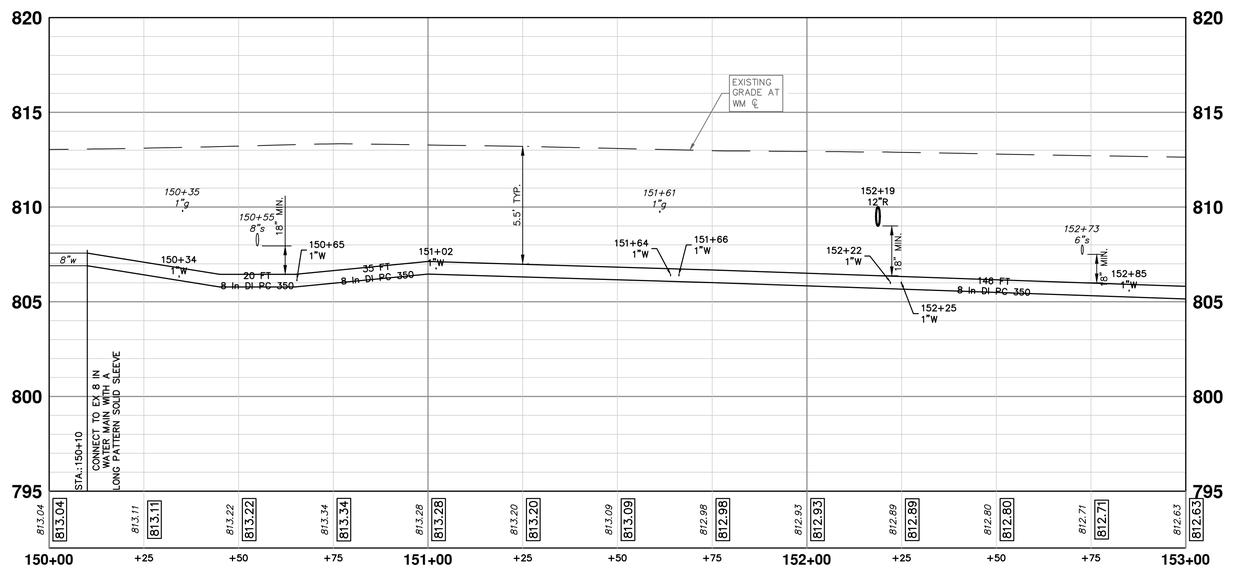
DRAWING No. 2022-031-40

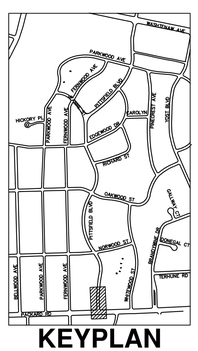
SHEET No.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON (2).dwg Dwg Created: 21-Jan-25 – _a2 standard bw.stb – Plot Date: 24-Jan-25

PITTSFIELD BOULEVARD







KEYPLAN

WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

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3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

811 Know what's **below.** **Call before you dig.**

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00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

WATER MAIN PLAN (STA 150+00 TO STA 153+50)

SCALE PLAN: 1" = 20' | PROFILE: 1" = 4'

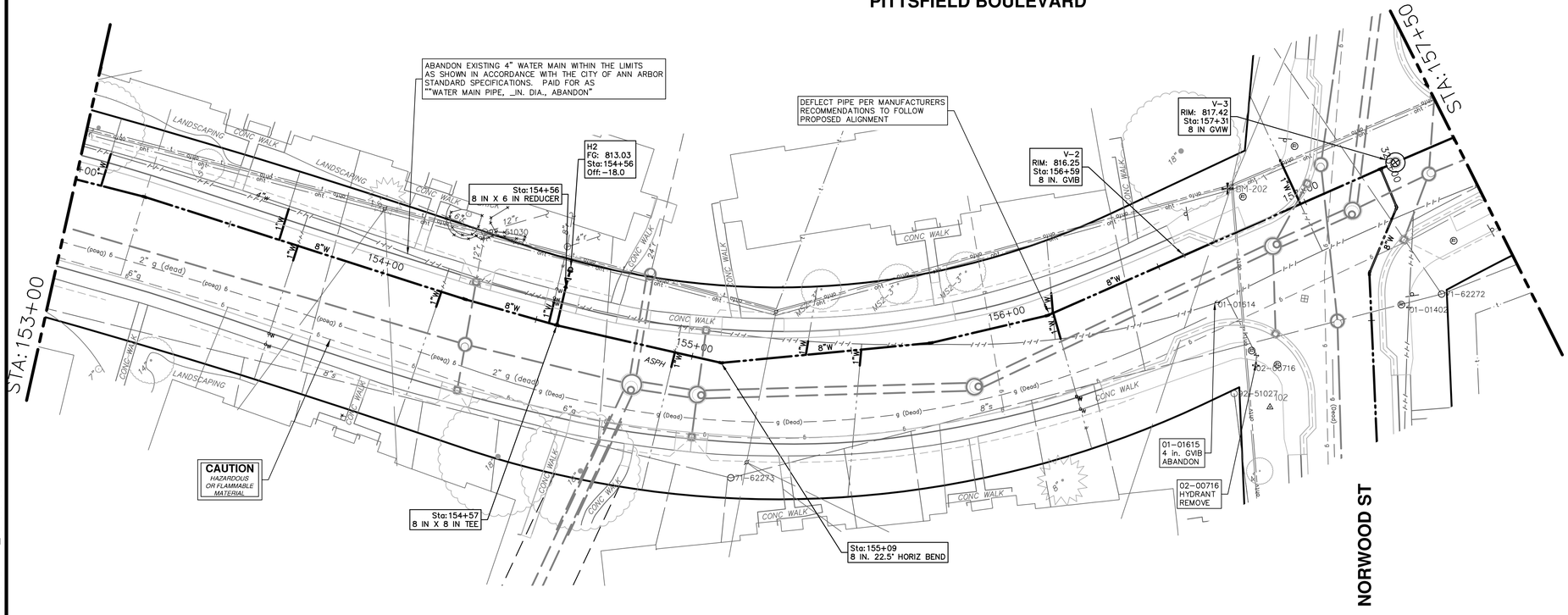
DRAWING No. 2022-031-41

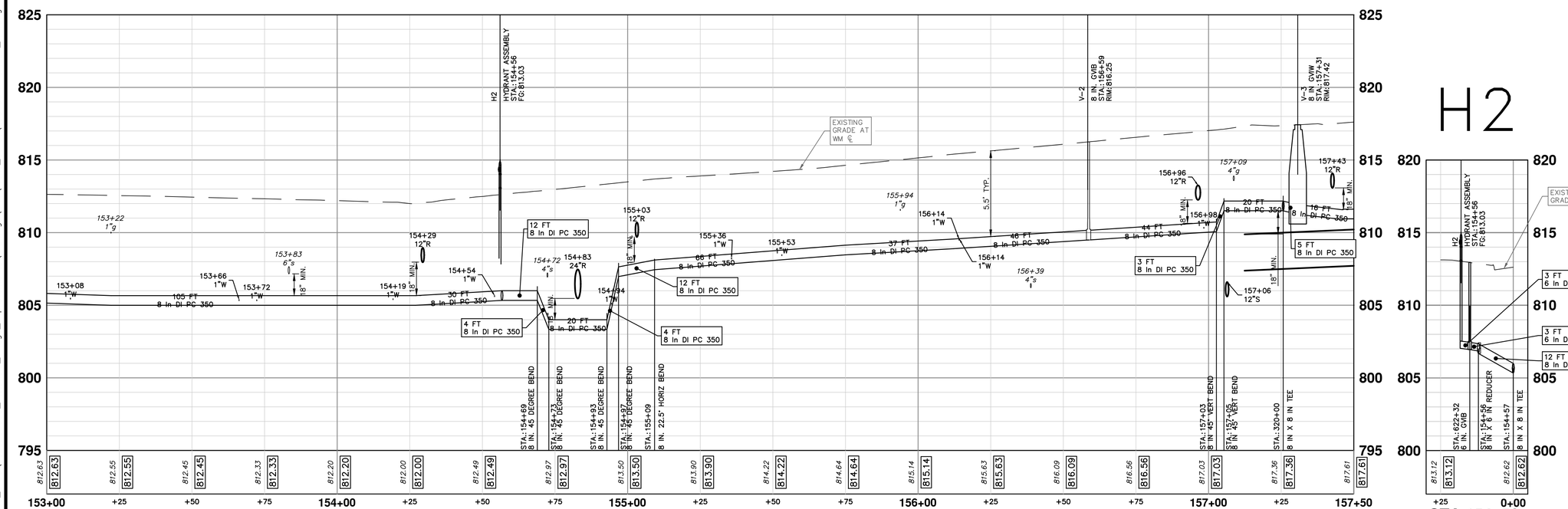
SHEET No. 41 OF 167

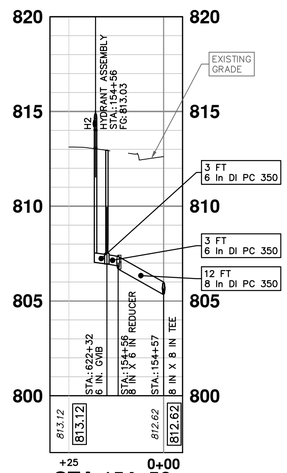
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

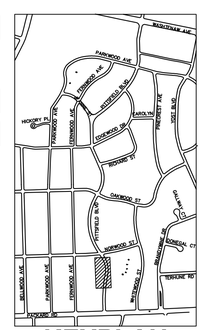
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD









WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
H2	HYDRANT ASSEMBLY	154+56	813.03	6.00
V-2	8 in. GVIB	156+59	816.25	6.76
V-3	8 in GVIW	157+31	817.42	6.17

WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

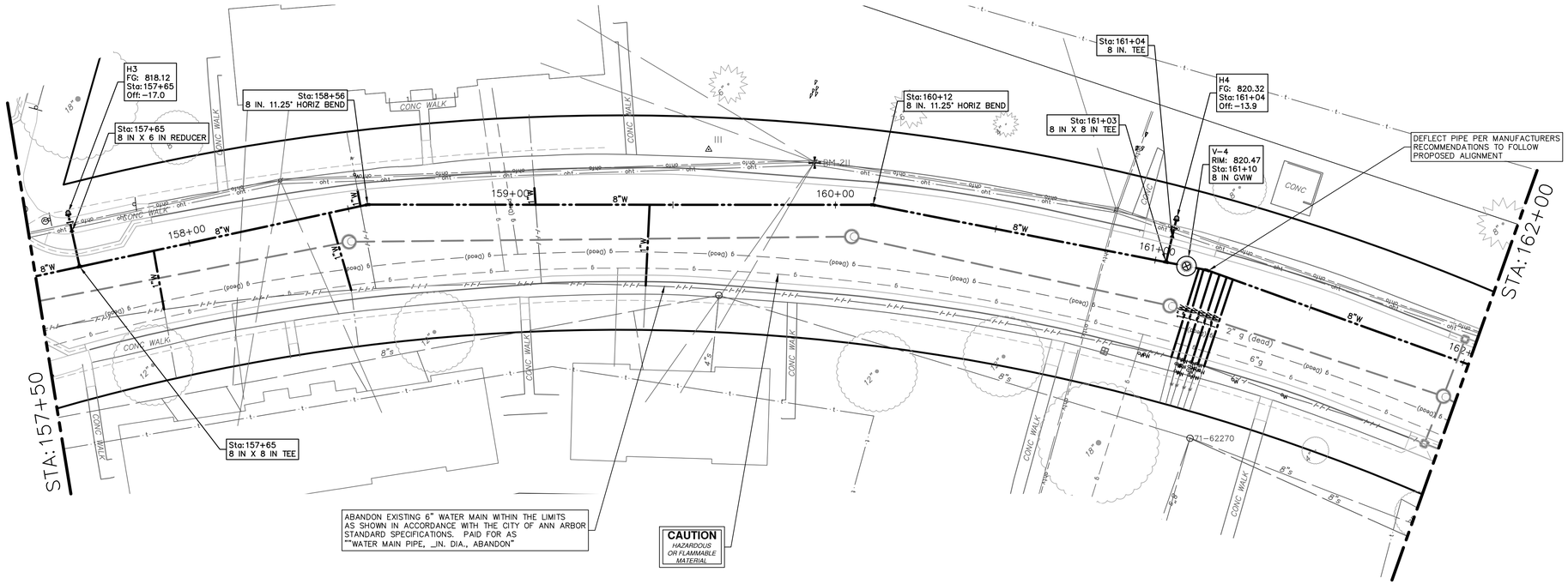
PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
WATER MAIN PLAN (STA 153+50 TO STA 157+50)

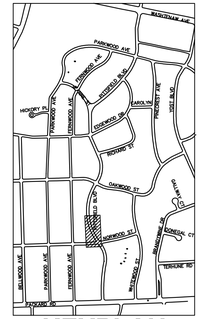
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-42

SHEET No. 42 OF 167

PITTSFIELD BOULEVARD





KEYPLAN

WATER MAIN NOTES:
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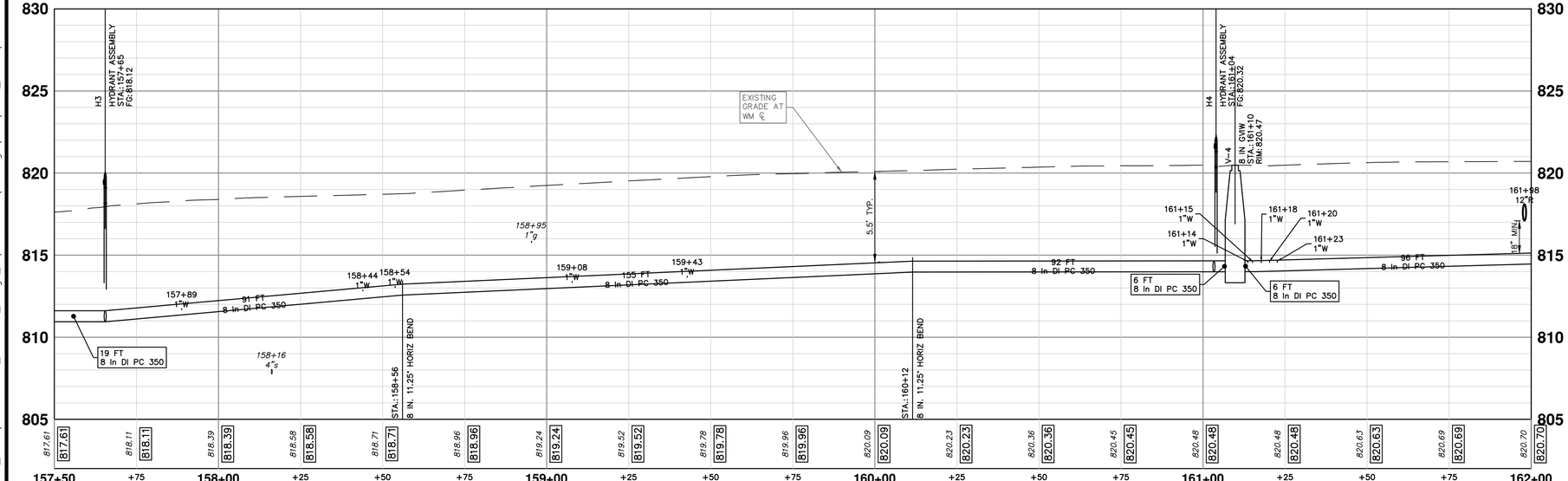
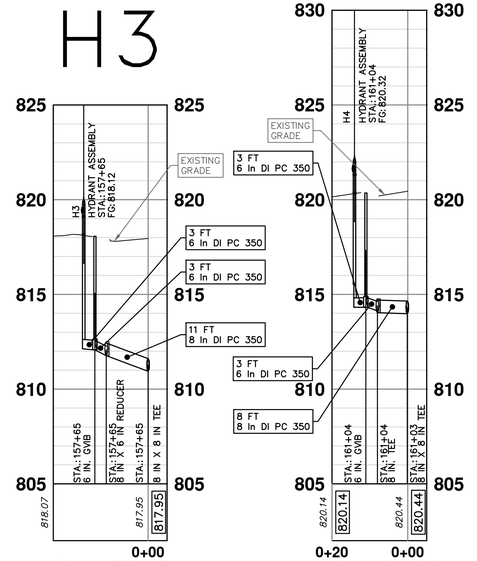
WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
H3	HYDRANT ASSEMBLY	157+65	818.12	6.00
H4	HYDRANT ASSEMBLY	161+04	820.32	6.00
V−4	8 in GVIW	161+10	820.47	6.49





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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

WATER MAIN PLAN (STA 157+50 TO STA 162+00)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

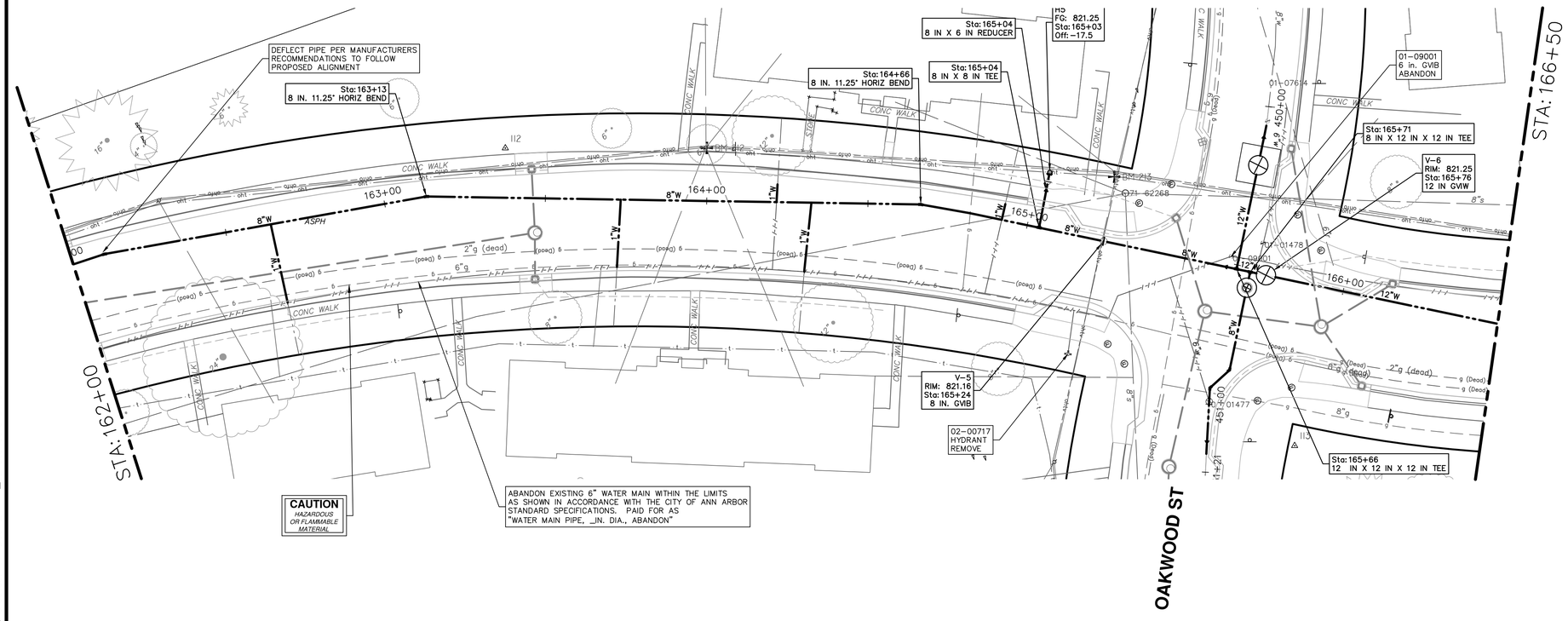
DRAWING No. 2022-031-43

SHEET No. 43 OF 167

Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD



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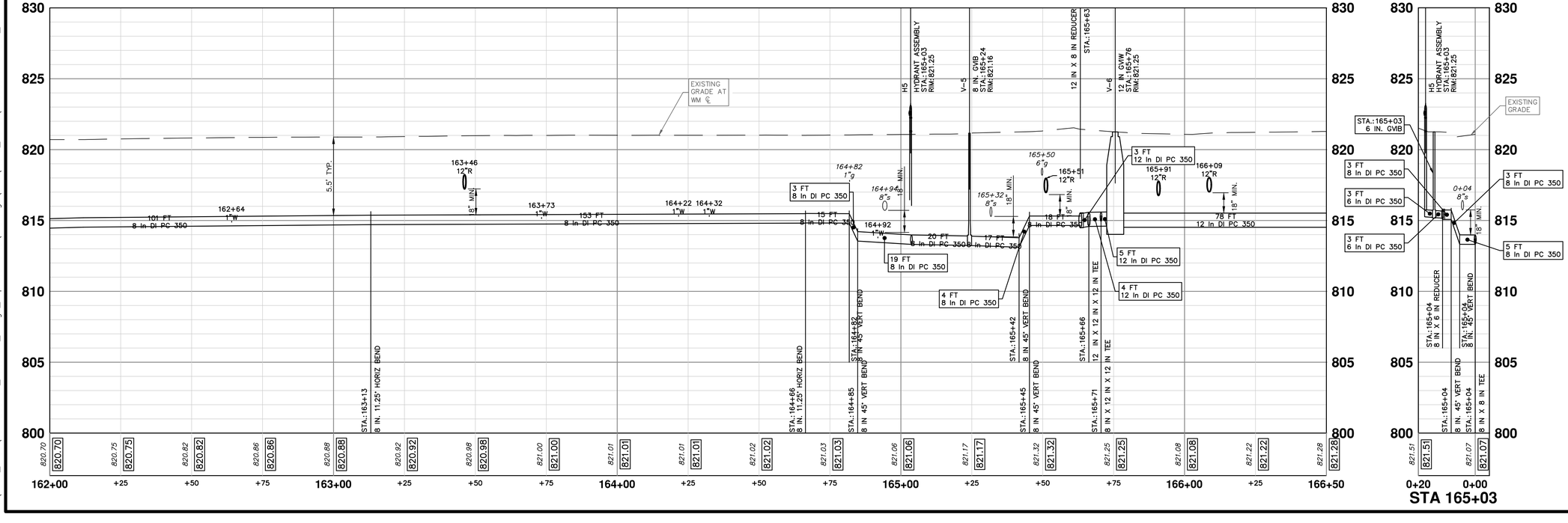
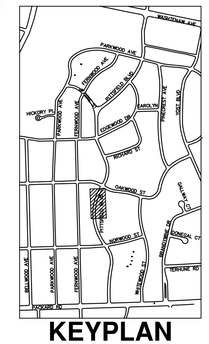
WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
H5	HYDRANT ASSEMBLY	165+03	821.25	6.46
V-5	8 in. GVIB	165+24	821.16	7.93
V-6	12 in GVIW	165+76	821.25	6.73

H5





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00	BID SET	12-19-2024	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

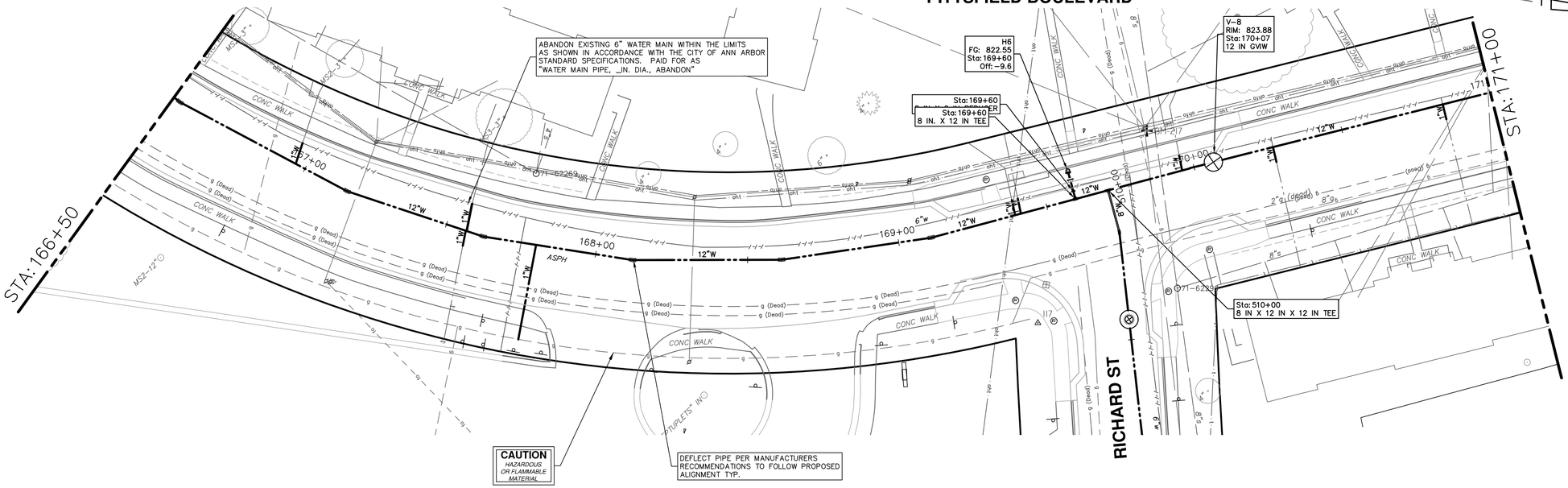
WATER MAIN PLAN (STA 162+00 TO STA 166+50)

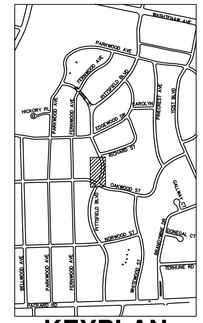
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-44

SHEET No. 44 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25





KEYPLAN

WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

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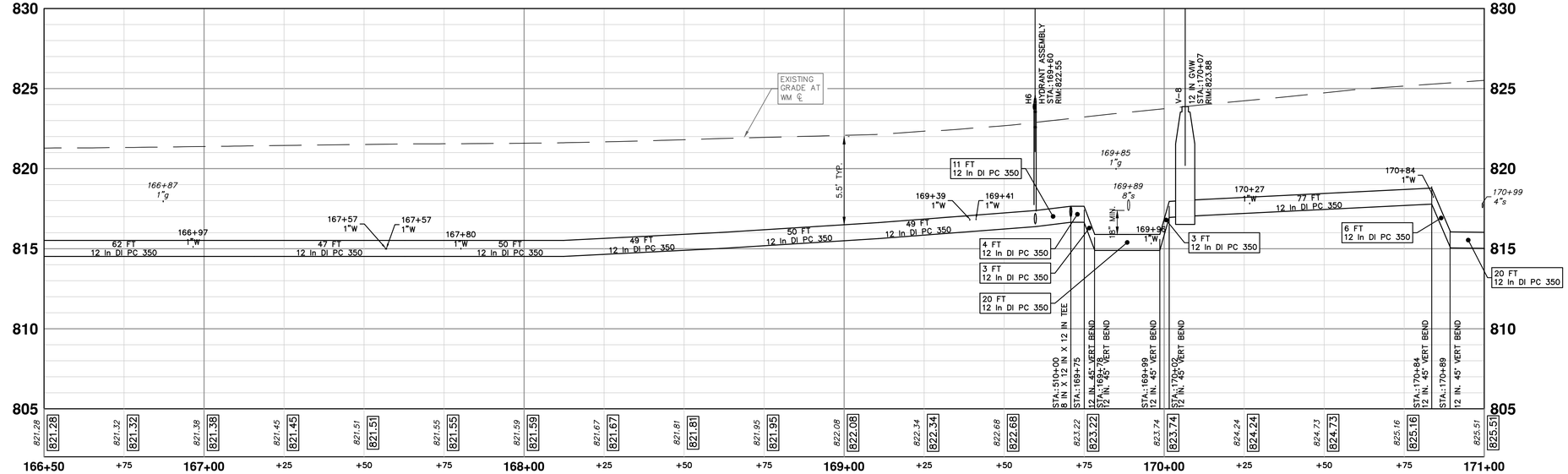
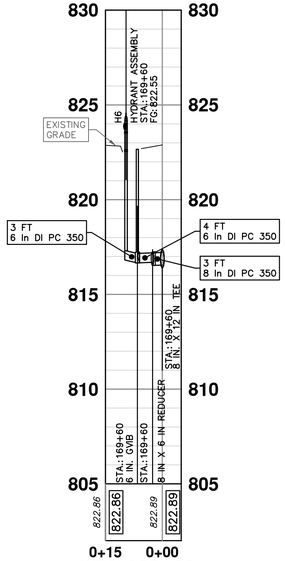
WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
H6	HYDRANT ASSEMBLY	169+60	822.55	5.75
V-8	12 in GVIW	170+07	823.88	6.86

H6





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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

WATER MAIN PLAN (STA 166+50 TO STA 171+00)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

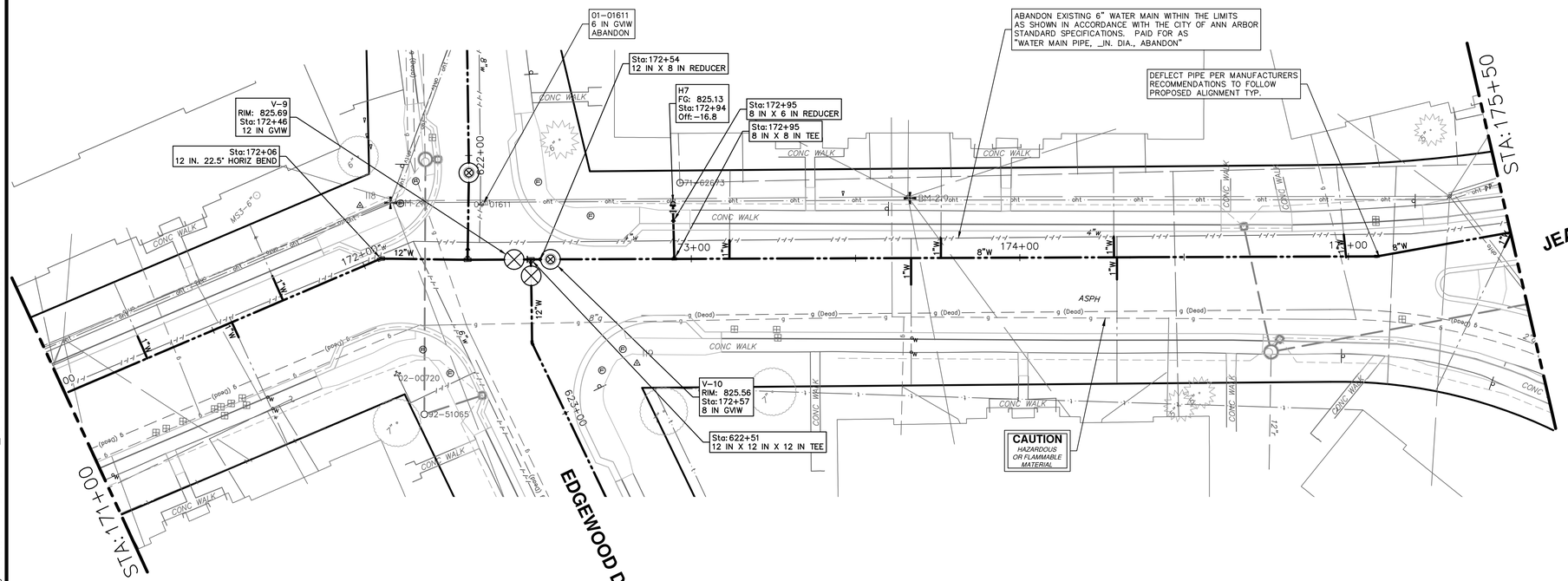
DRAWING No. 2022-031-45

SHEET No. 45 OF 167

Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD



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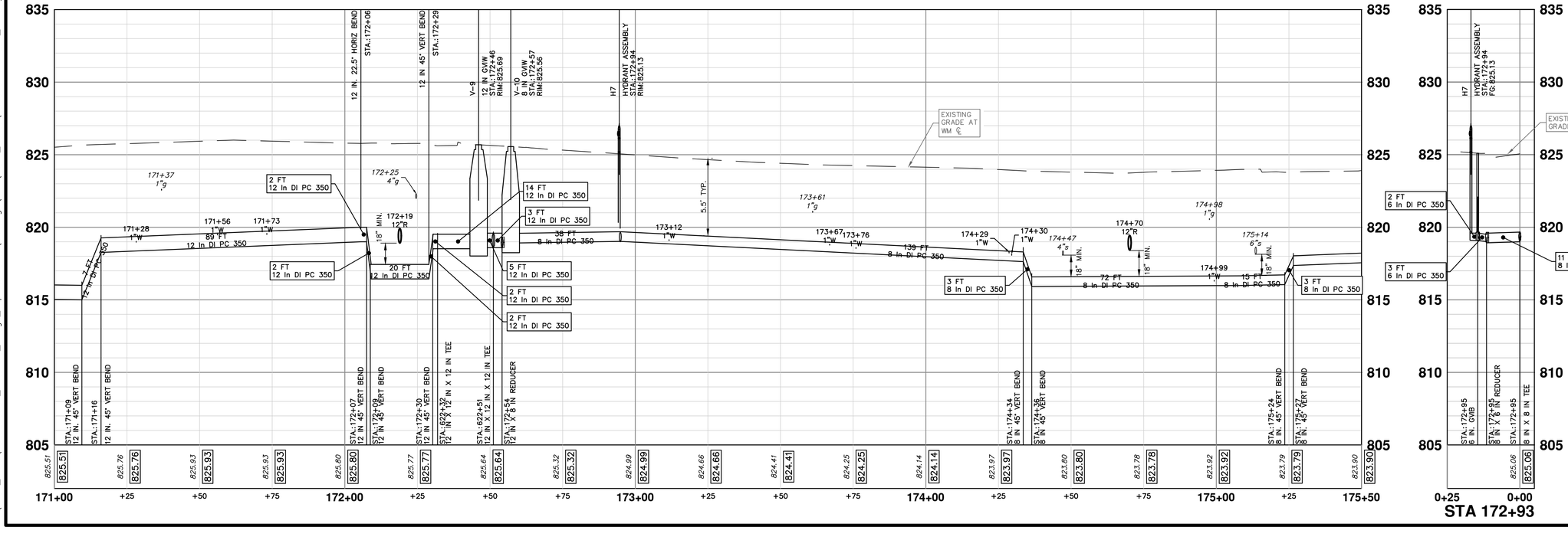
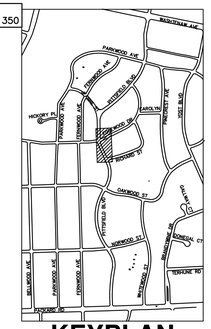
WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V–9	12 in GVIW	172+46	825.69	7.17
V–10	8 in GVIW	172+57	825.56	6.64
H7	HYDRANT ASSEMBLY	172+94	825.13	6.03





H7

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

WATER MAIN PLAN (STA 171+00 TO STA 175+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

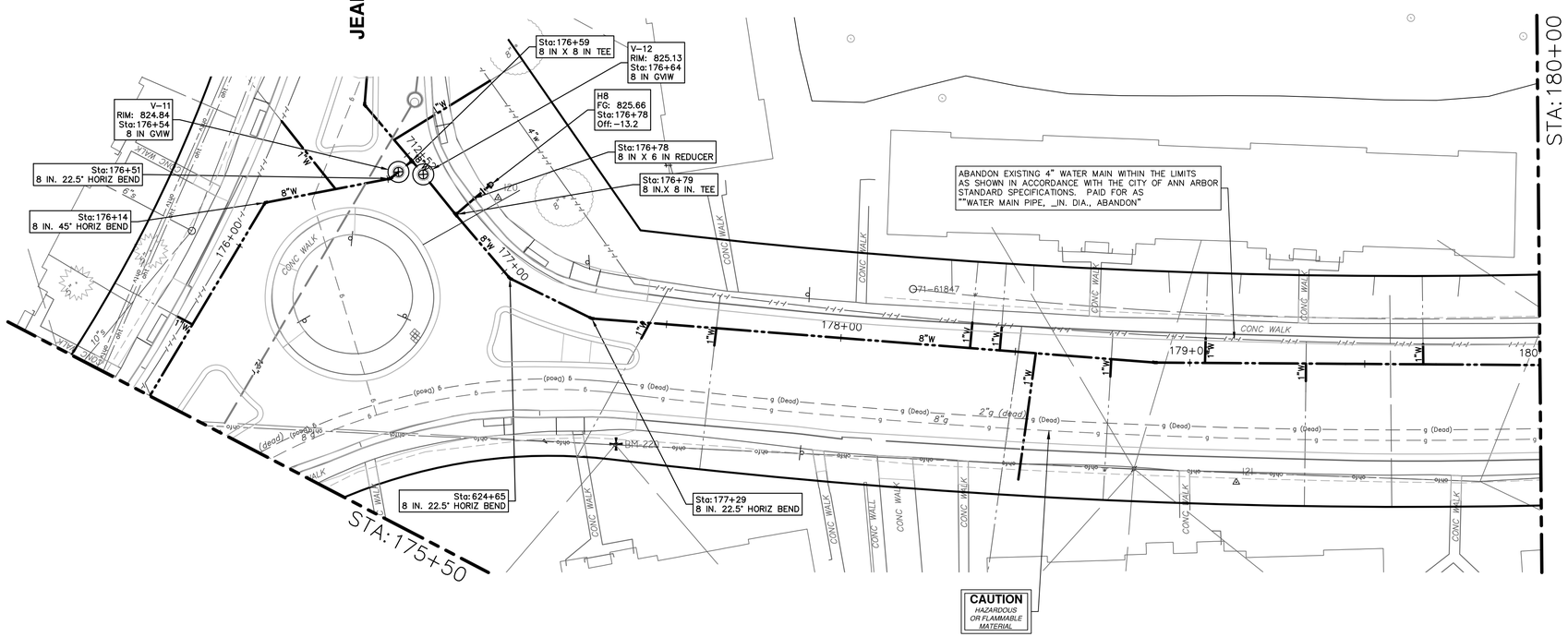
DRAWING No. 2022-031-46

SHEET No. 46 OF 167

Know what's below. Call before you dig.

P:\0000_0100\D028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD



WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

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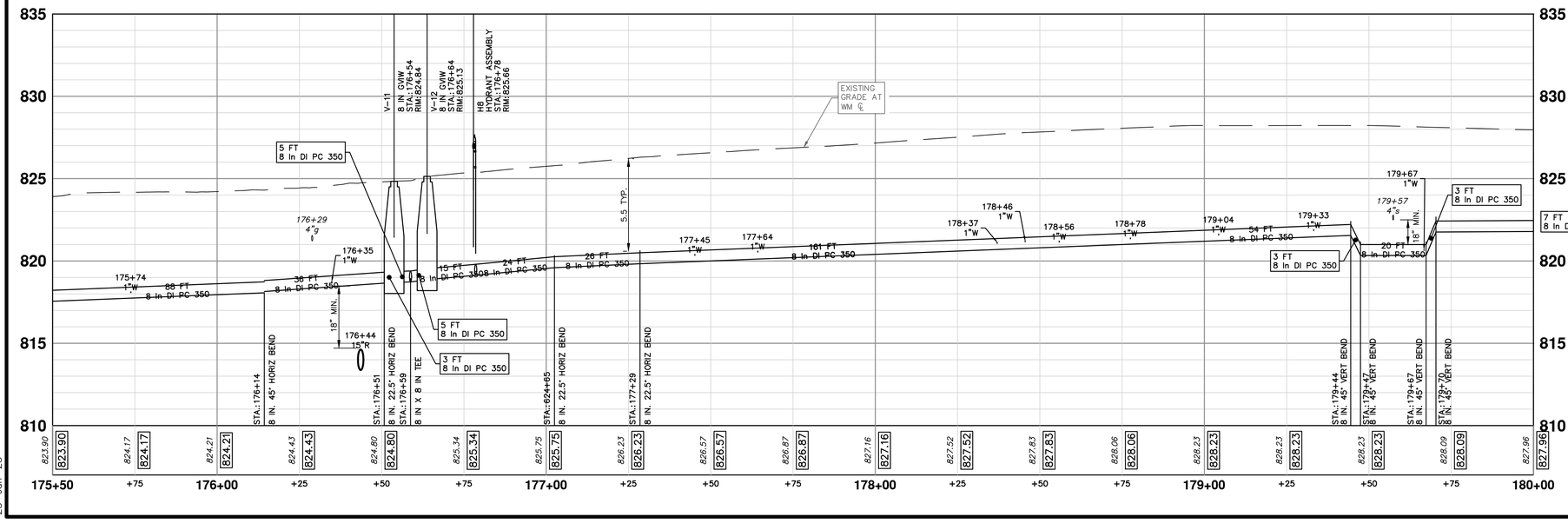
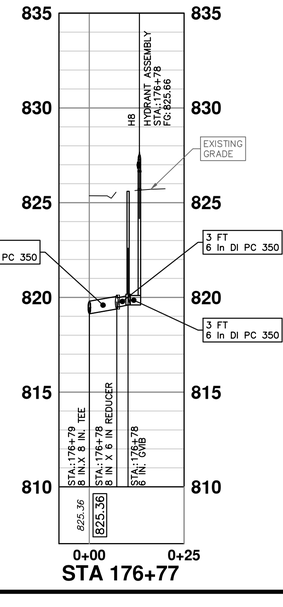
3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

WATER MAIN STRUCTURE TABLE

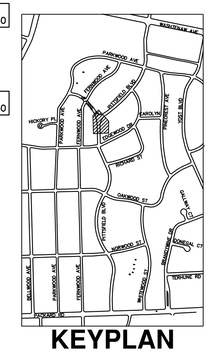
STRUCTURE	TYPE	STATION	RIM	DEPTH
V–11	8 in GVIW	176+54	824.84	6.15
V–12	8 in GVIW	176+64	825.13	6.27
H8	HYDRANT ASSEMBLY	176+78	825.66	6.06



H8



STA 176+77



811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12–19–2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

WATER MAIN PLAN (STA 175+50 TO STA 180+00)

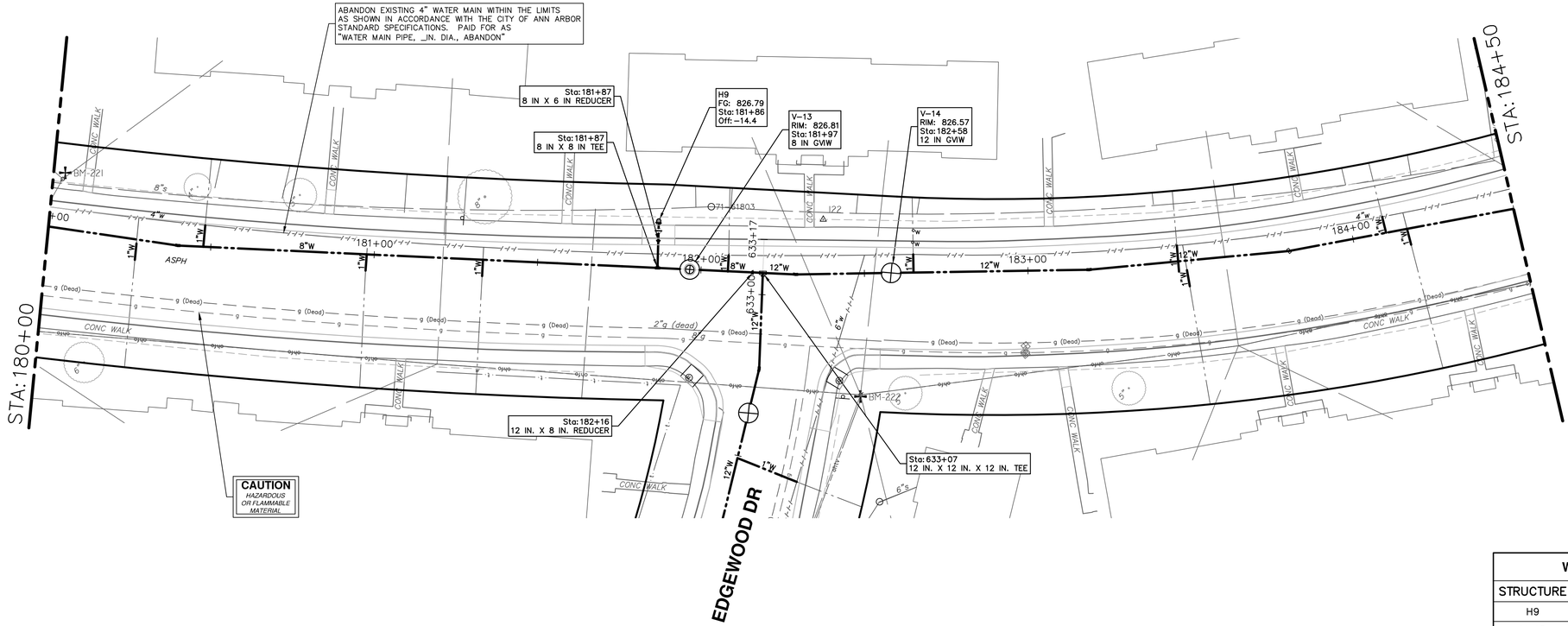
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-47

SHEET No. 47 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM2.dwg Dwg Created: 22-Jan-25 – _o2 standard bw.stb – Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD



WATER MAIN NOTES:
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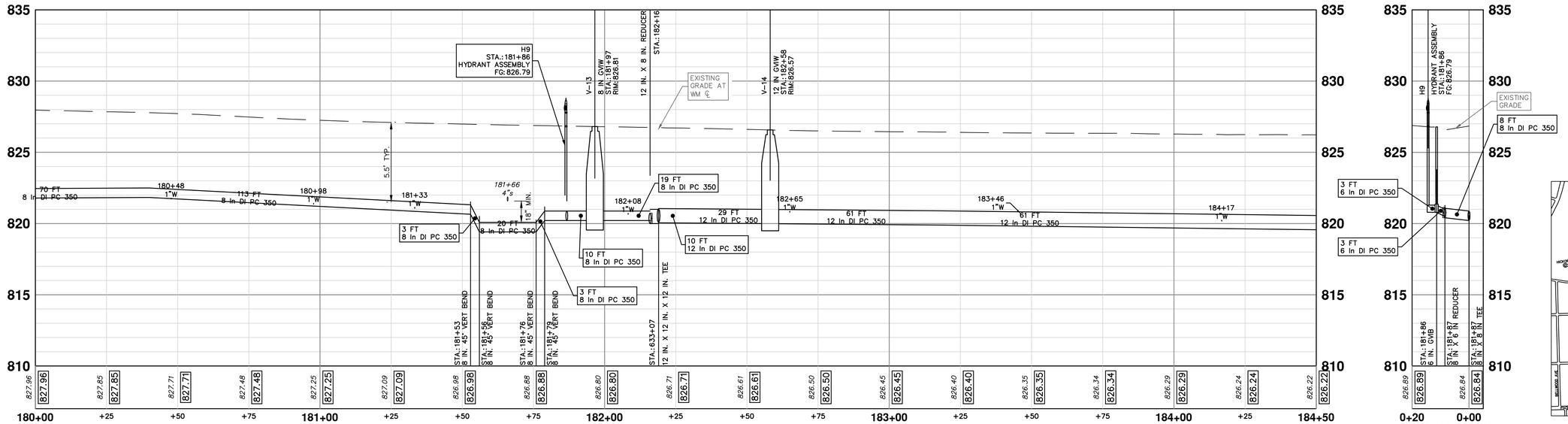
3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

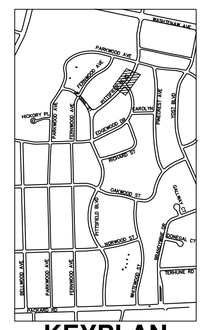
WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
H9	HYDRANT ASSEMBLY	181+86	826.79	6.00
V-13	8 in GVIW	181+97	826.81	6.59
V-14	12 in GVIW	182+58	826.57	6.58

H9



STA 181+88



KEYPLAN

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

WATER MAIN PLAN (STA 180+00 TO STA 184+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-48

SHEET No. 48 OF 167

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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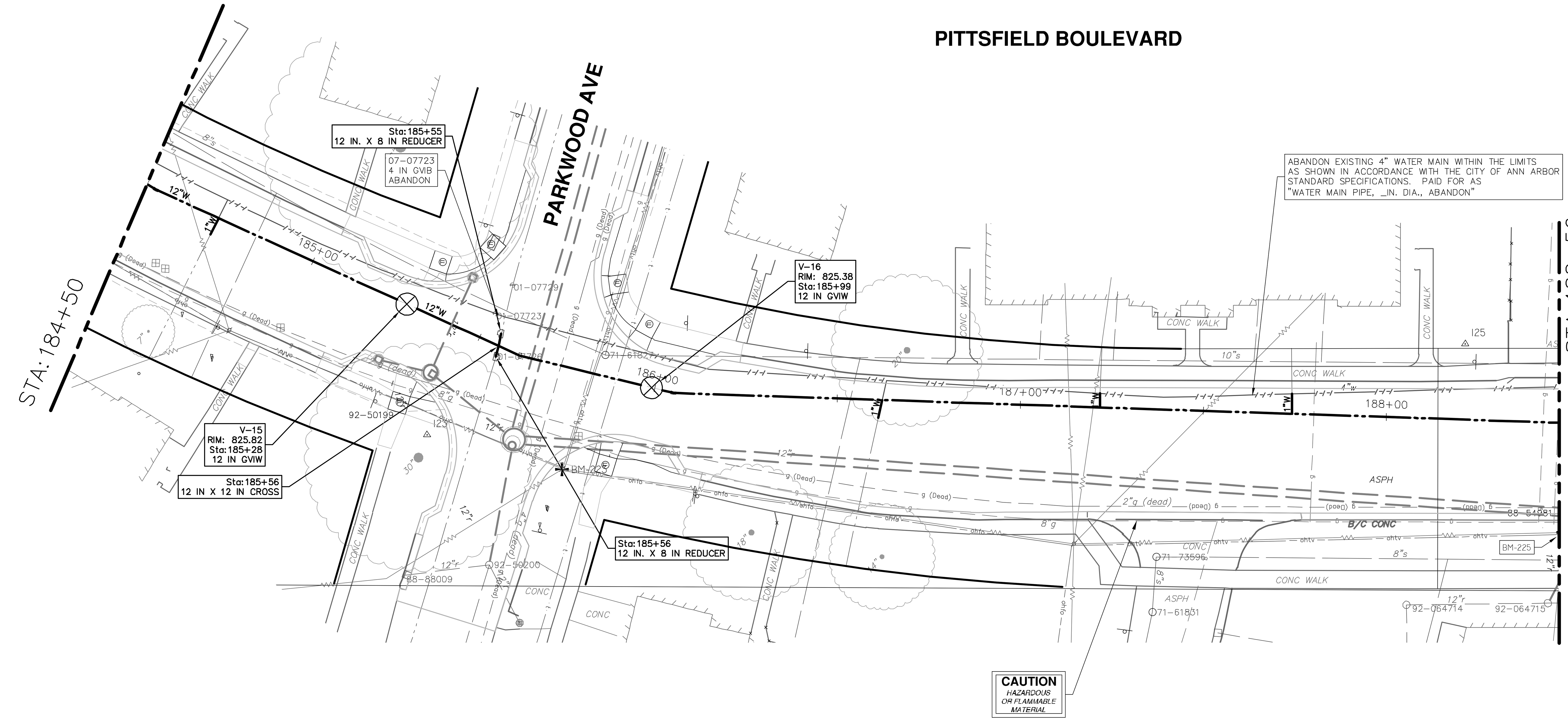
Know what's below. Call before you dig. 811

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM2.dwg Dwg Created: 22-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM2.dwg Dwg Created: 22-Jan-25 - _a2 standard bw.stb - Plot Date: 24-Jan-25

PITTSFIELD BOULEVARD



WATER MAIN NOTES:

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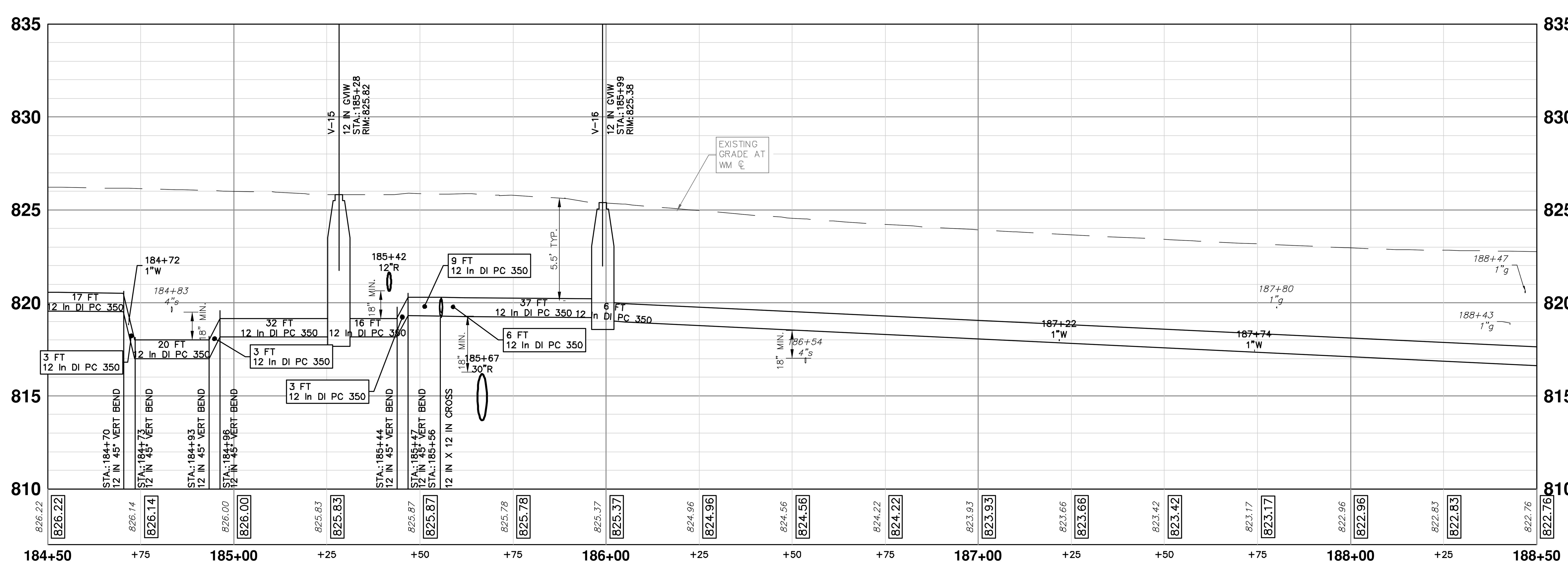
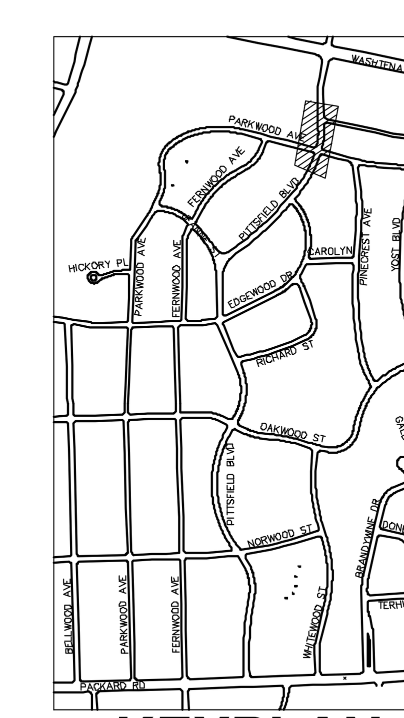


WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V–15	12 in GVIW	185+28	825.82	7.66
V–16	12 in GVIW	185+99	825.38	6.31



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

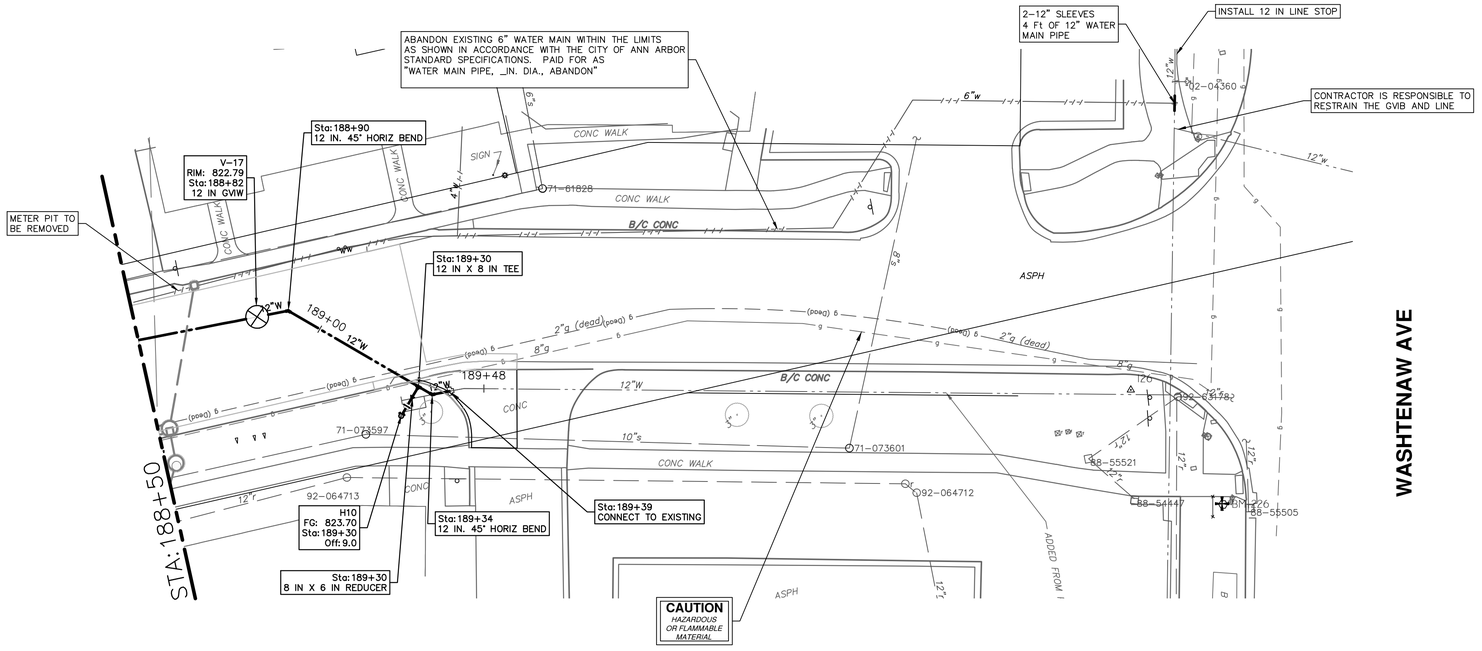
PITTSFIELD BOULEVARD

WATER MAIN PLAN (STA 184+50 TO STA 188+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-49

PITTSFIELD BOULEVARD



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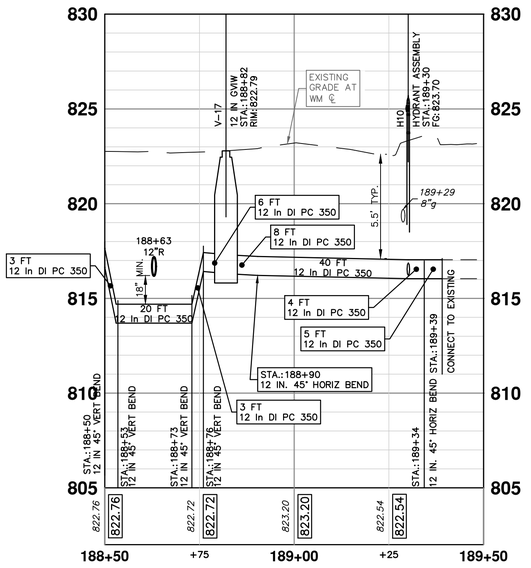
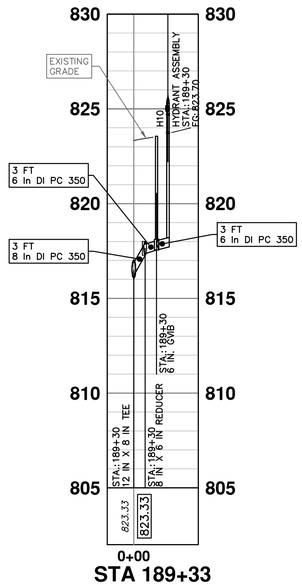


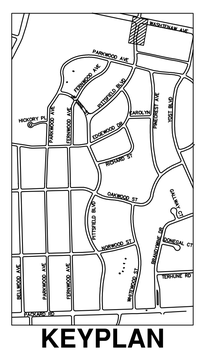
H10



STA 189+33

WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-17	12 in GVIW	188+82	822.79	6.48
H10	HYDRANT ASSEMBLY	189+30	823.70	6.00



KEYPLAN

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

WATER MAIN PLAN (STA 188+50 TO STA 189+50)

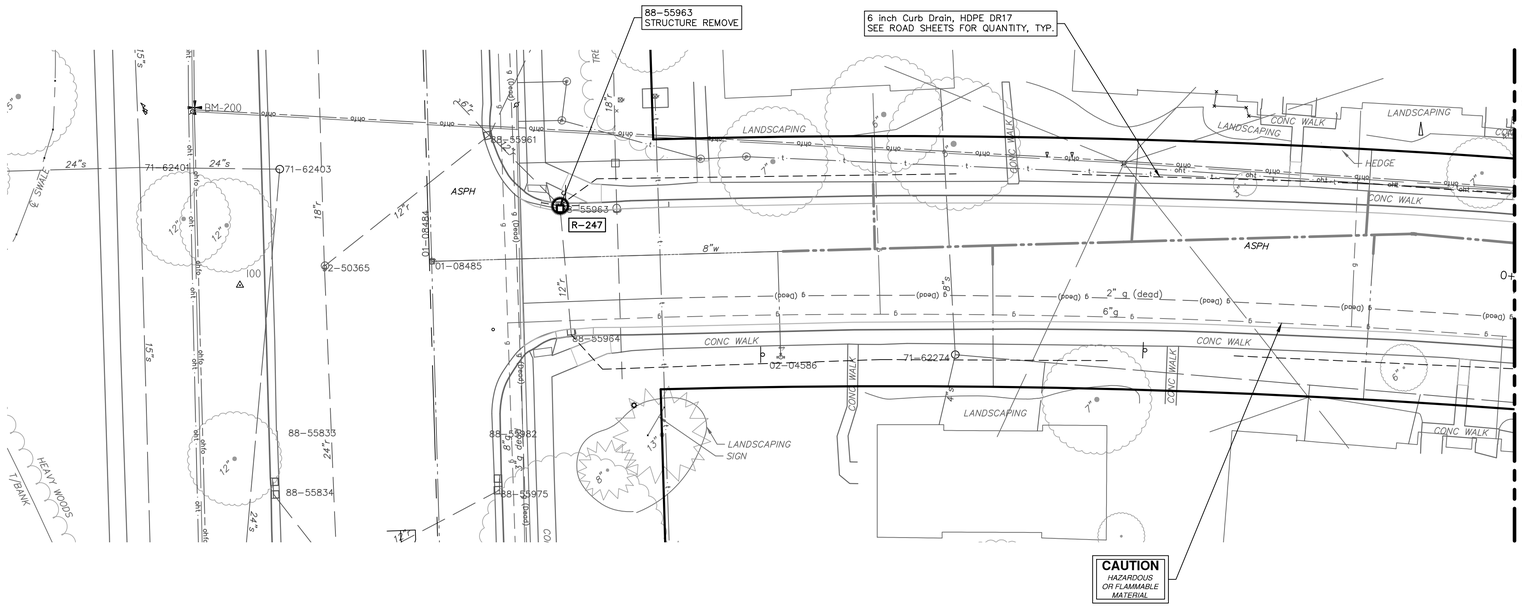
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-50

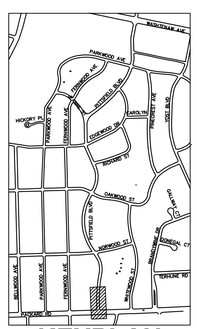
SHEET No. 50 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM2.dwg Dwg Created: 22-Jan-25 - _o2 standard bw.stb - Plot Date: 23-Jan-25

PITTSFIELD BOULEVARD



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-247	100+48	4' Inlet	812.43	12" SW 810.02 12" E 809.92	4.51	2'



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

STORM SEWER PLAN (PACKARD TO STA 0+00)

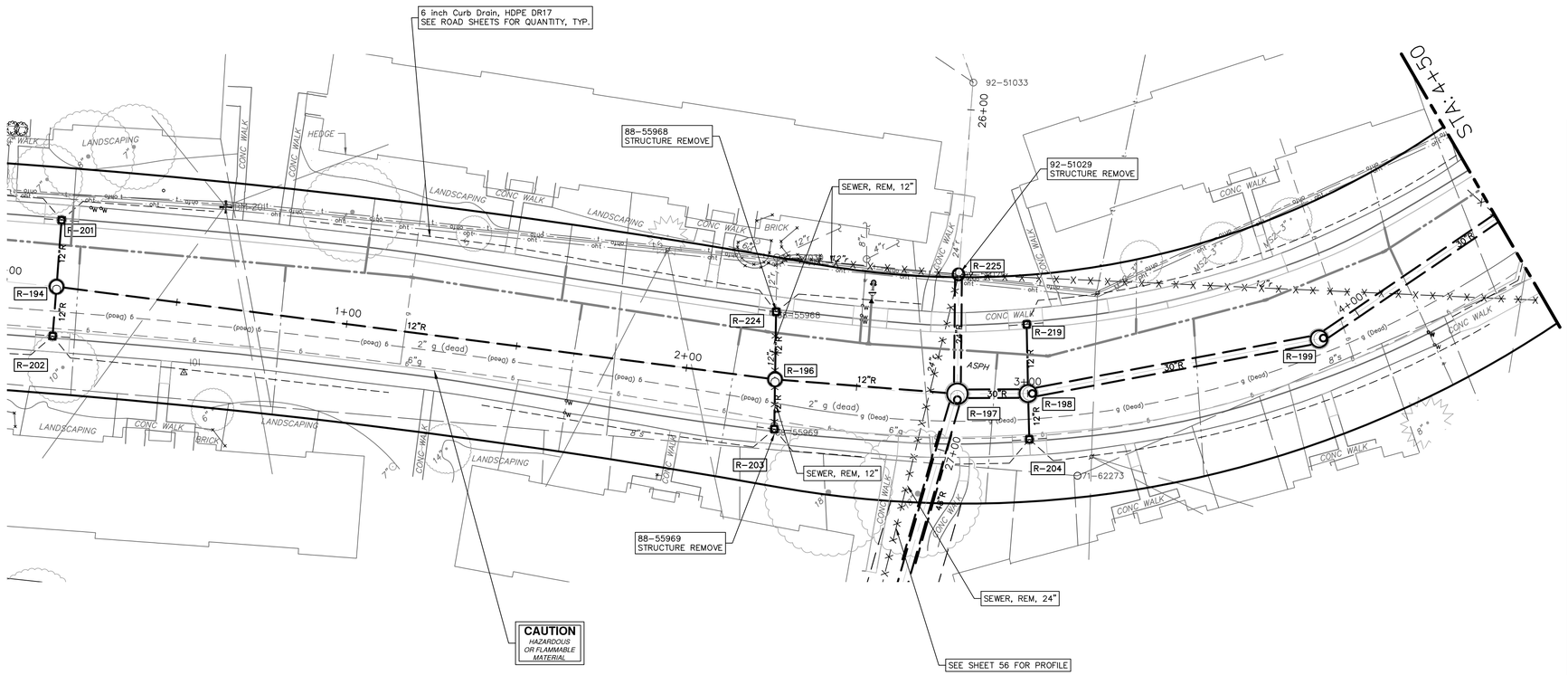
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-51

SHEET No. 51 OF 167

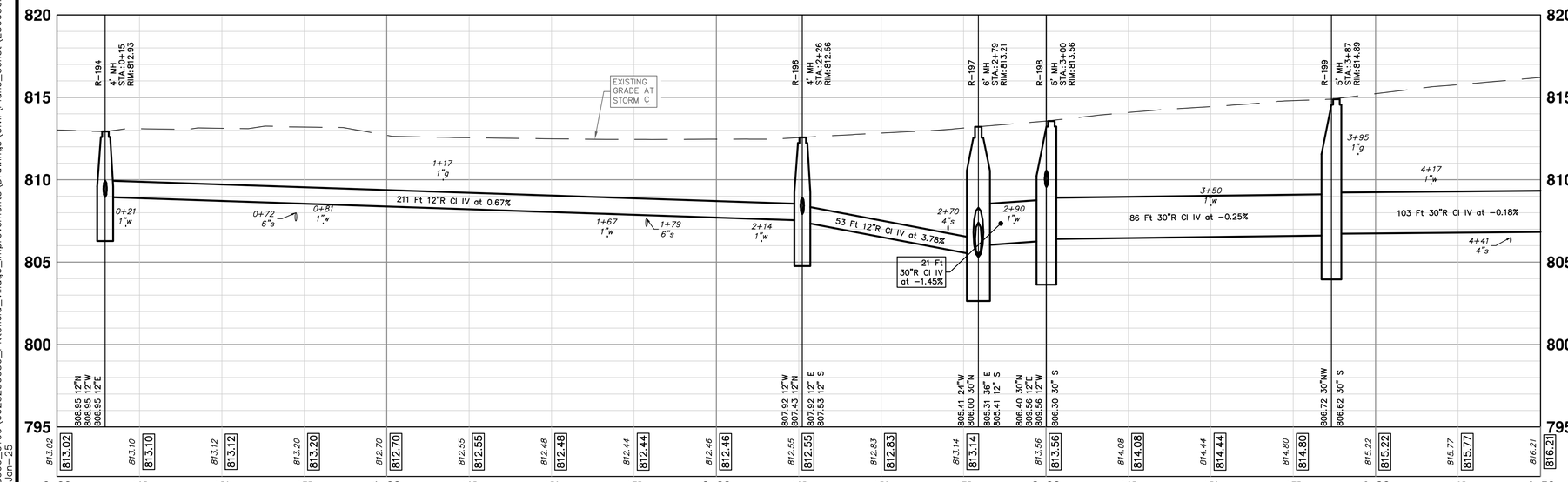
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_STM.dwg Dwg Created: 22-Jan-25 - _02 standard bw.stb - Plot Date: 23-Jan-25

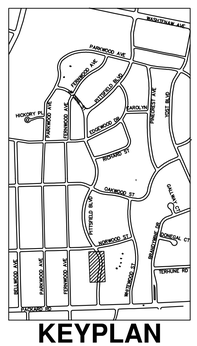
PITTSFIELD BOULEVARD



STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-51033	25+92	EX MH	813.19	24" E 807.22 24" W 807.20 12" SW 808.12	5.99	0'
ES-4	28+90	36" End Section	808.42	36" W 805.00	???	0'
R-194	0+15	4' MH	812.93	12" N 808.95 12" W 808.95 12" E 808.95	5.98	2'
R-196	2+26	4' MH	812.56	12" E 807.92 12" S 807.53 12" W 807.92 12" N 807.43	7.13	2'
R-197	2+79	6' MH	813.21	36" E 805.31 12" S 805.41 24" W 805.41 30" N 806.00	9.90	2'
R-198	3+00	5' MH	813.56	30" S 806.30 30" N 806.40 12" E 809.56 12" W 809.56	9.26	2'
R-199	3+87	5' MH	814.89	30" S 806.62 30" NW 806.72	10.27	2'
R-201	0+14	2' Inlet	812.71	12" E 809.04	5.67	2'
R-202	0+15	2' Inlet	812.49	12" W 809.02	5.47	2'
R-203	2+27	2' Inlet	811.72	12" W 807.97	5.75	2'
R-204	3+00	2' Inlet	813.09	12" W 809.81	5.28	2'
R-219	3+03	2' Inlet	813.38	12" E 809.81	5.57	2'
R-224	2+24	2' Inlet	811.79	12" E 807.97	5.82	2'
R-225	26+48	4' MH	813.03	24" E 805.56 24" W 806.81	7.47	0'





P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_STM.dwg Dwg Created: 22-Jan-25 — _02 standard bw.stb — Plot Date: 23-Jan-25

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PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

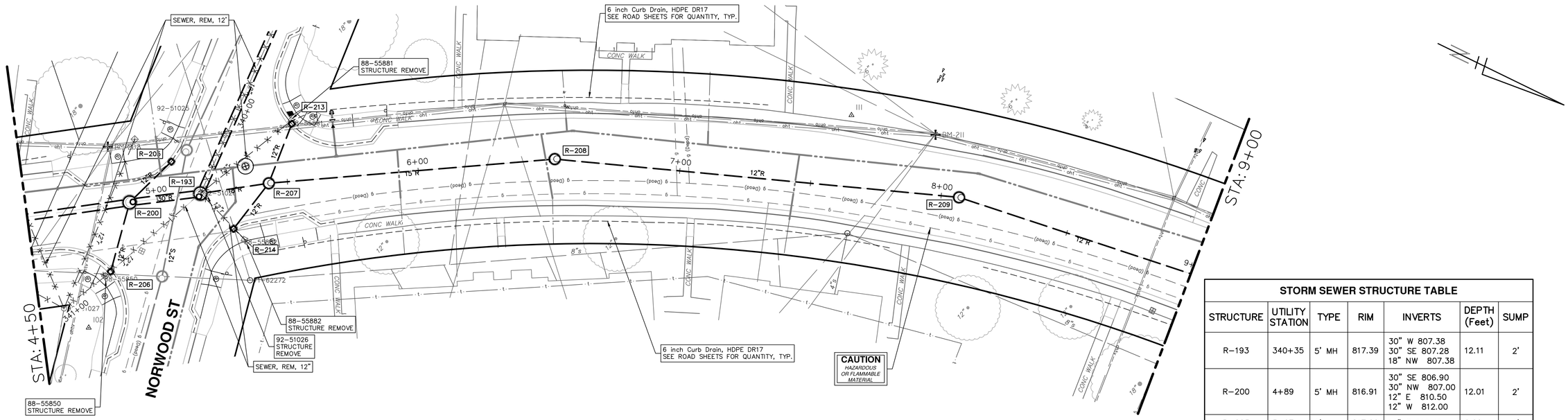
STORM SEWER PLAN (STA 0+00 TO STA 4+50)

SCALE PLAN: 1" = 20' | PROFILE: 1" = 4'

DRAWING No. 2022-031-52

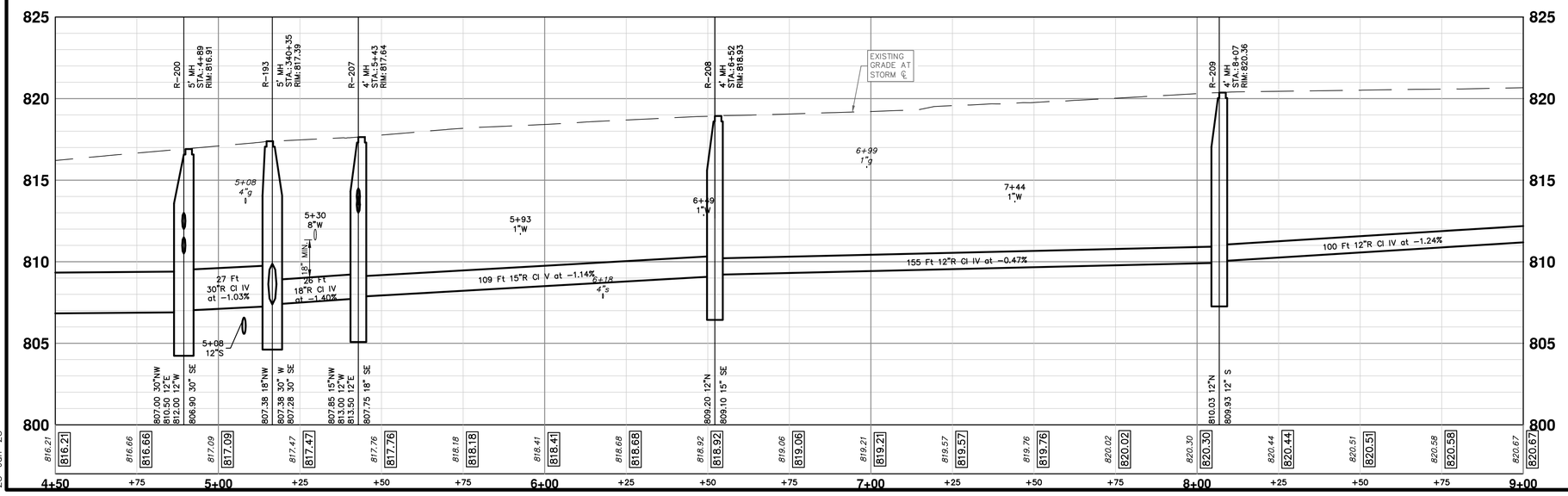
SHEET No. 52 OF 167

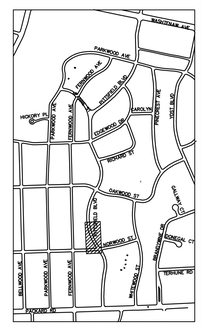
PITTSFIELD BOULEVARD



STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-193	340+35	5' MH	817.39	30" W 807.38 30" SE 807.28 18" NW 807.38	12.11	2'
R-200	4+89	5' MH	816.91	30" SE 806.90 30" NW 807.00 12" E 810.50 12" W 812.00	12.01	2'
R-205	5+07	2' Inlet	817.00	12" E 812.40	6.60	2'
R-206	340+80	2' Inlet	815.88	12" W 811.00	6.88	2'
R-207	5+43	4' MH	817.64	18" SE 807.75 15" NW 807.85 12" W 813.00 12" E 813.50	11.89	2'
R-208	6+52	4' MH	818.93	15" SE 809.10 12" N 809.20	11.83	2'
R-209	8+07	4' MH	820.36	12" S 809.93 12" N 810.03	12.43	2'
R-213	5+54	2' Inlet	817.22	12" E 813.23	5.99	2'
R-214	5+27	2' Inlet	816.90	12" W 813.77	5.13	2'





KEYPLAN

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01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

STORM SEWER PLAN (STA 4+50 TO STA 9+00)

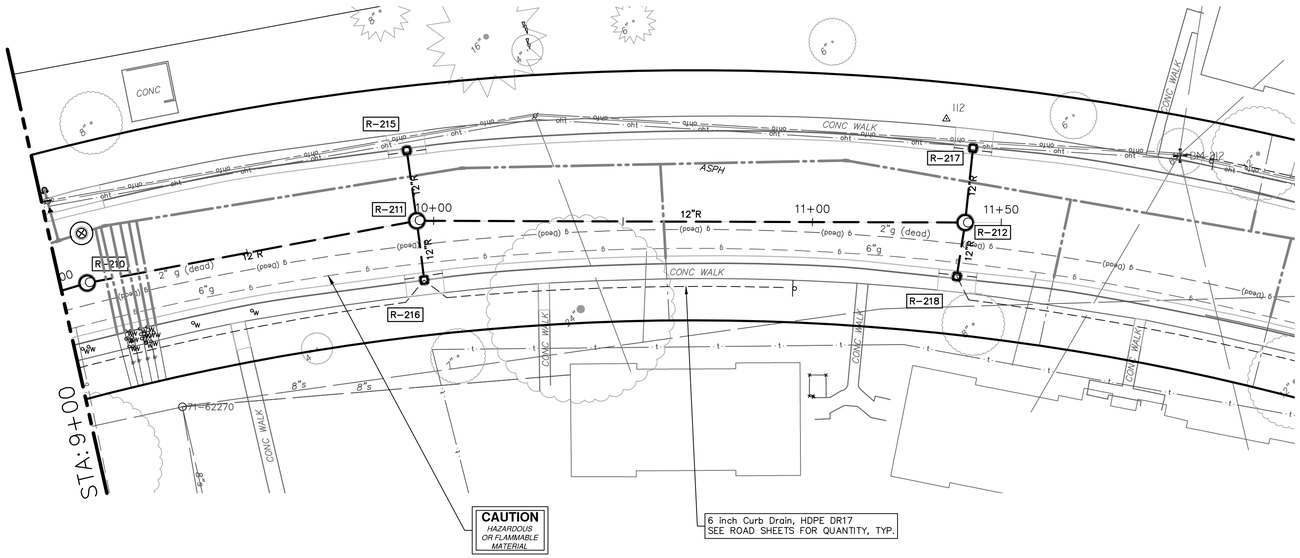
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

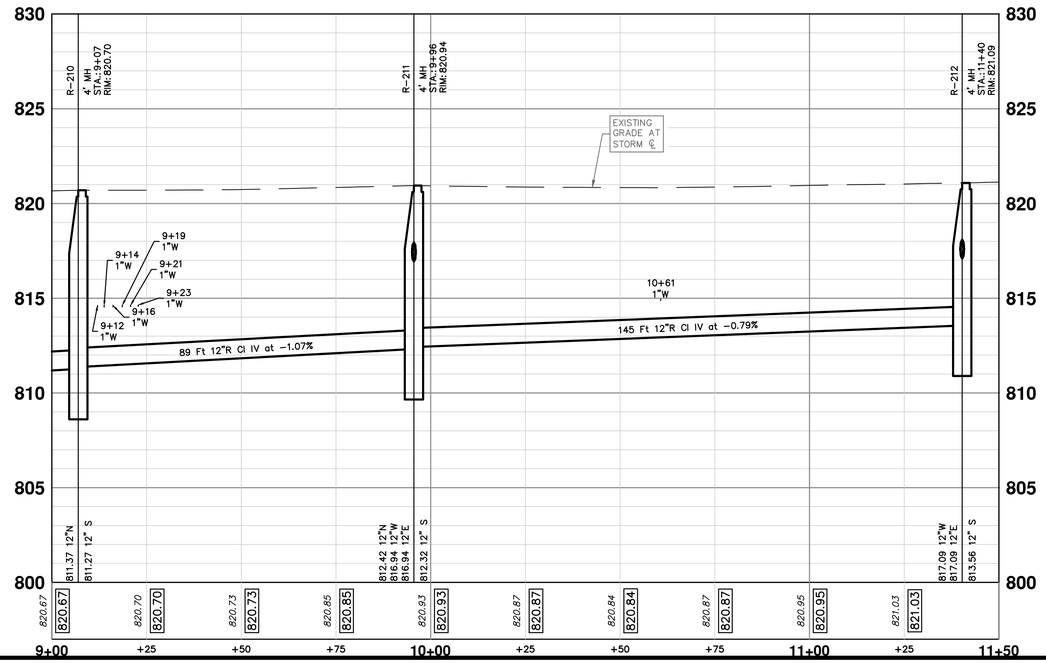
DRAWING No. 2022-031-53

SHEET No. 53 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_STM.dwg Created: 22-Jan-25 - _o2 standard bw.stb - Plot Date: 23-Jan-25

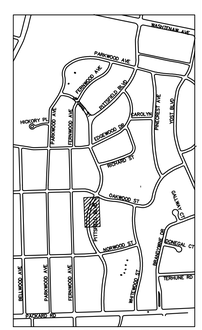
PITTSFIELD BOULEVARD





STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-210	9+07	4' MH	820.70	12" S 811.27 12" N 811.37	11.43	2'
R-211	9+96	4' MH	820.94	12" S 812.32 12" N 812.42 12" W 816.94 12" E 816.94	10.62	2'
R-212	11+40	4' MH	821.09	12" S 813.56 12" W 817.09 12" E 817.09	9.53	2'
R-215	9+96	2' Inlet	820.48	12" E 817.19	5.29	2'
R-216	9+98	2' Inlet	820.50	12" W 817.19	5.31	2'
R-217	11+42	2' Inlet	820.70	12" E 817.34	5.36	2'
R-218	11+38	2' Inlet	820.60	12" W 817.34	5.26	2'



KEYPLAN

Know what's **below.** **Call before you dig.** 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

STORM SEWER PLAN (STA 9+00 TO 11+50)

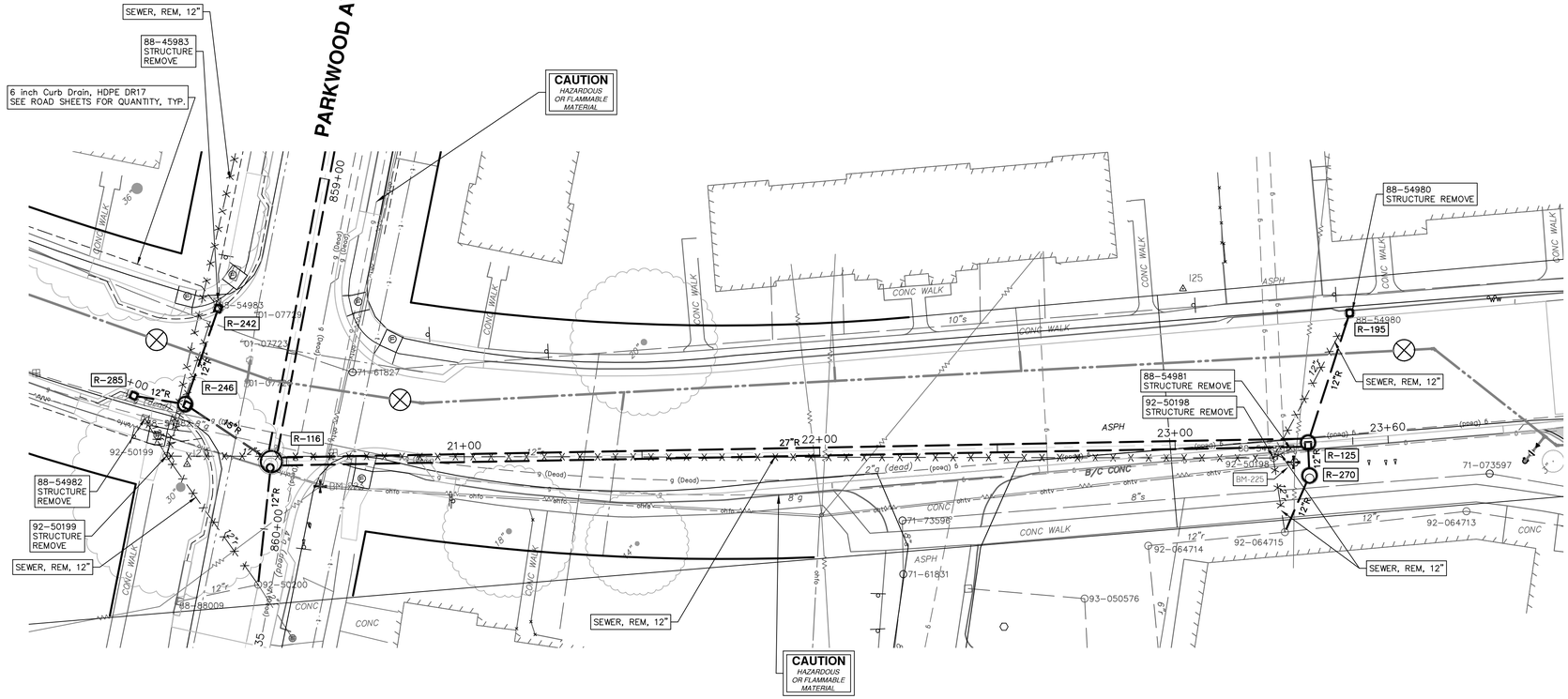
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

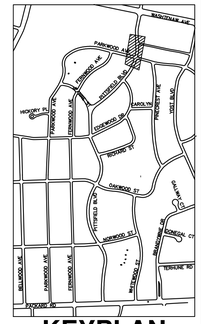
DRAWING No. 2022-031-54

SHEET No. 54 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_STM.dwg Dwg Created: 22-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25

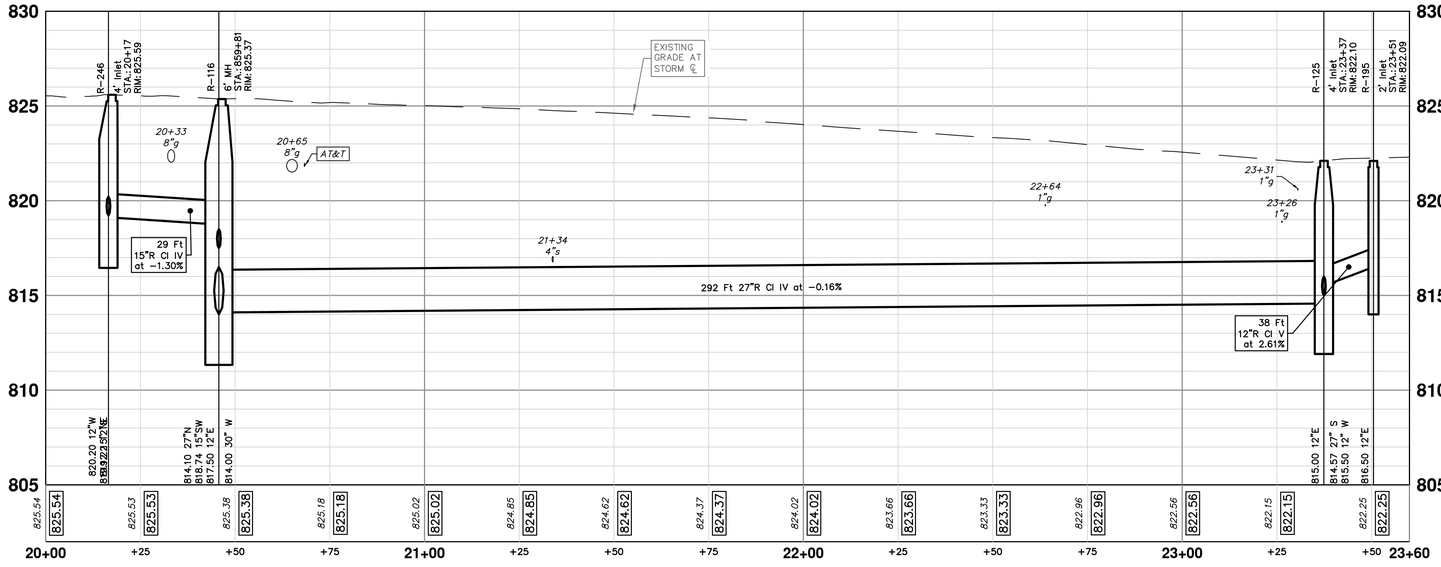
PITTSFIELD BOULEVARD



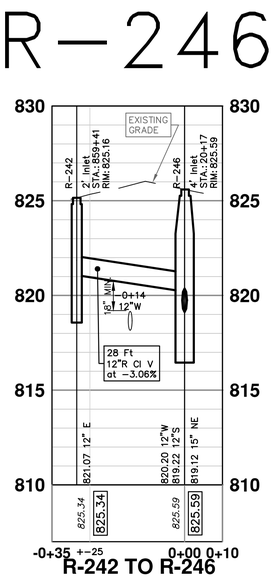


STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-50200	860+16	EX MH	825.23	12" W 818.13 12" S 818.23 12" NE 819.63	7.10	0'
92-064715	23+30	EX MH	824.00	12" NW 815.74 12" N 815.50 12" S 815.60	8.50	0'
R-116	859+81	6' MH	825.37	30" W 814.00 27" N 814.10 15" SW 818.74 12" E 817.50	13.37	2'
R-125	23+37	4' Inlet	822.10	27" S 814.57 12" W 815.50 12" E 815.00	9.53	2'
R-195	23+51	2' Inlet	822.09	12" E 816.50	7.59	2'
R-242	859+41	2' Inlet	825.16	12" E 821.07	6.09	2'
R-246	20+17	4' Inlet	825.59	15" NE 819.12 12" W 820.20 12" S 819.22	8.47	2'
R-270	23+37	4' MH	823.03	12" W 815.65 12" SE 815.55	9.48	2'
R-285	20+02	2' Inlet	825.52	12" N 819.33	8.19	2'

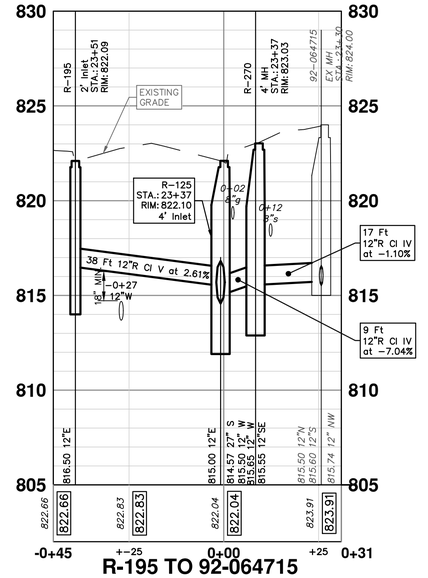


R-246



R-242 TO R-246 @ STA 20+17

R-125



R-195 TO 92-064715 @ STA 23+38

811 Know what's below. Call before you dig.

PROFILES: 1" = 4'
PLAN: 1" = 20'

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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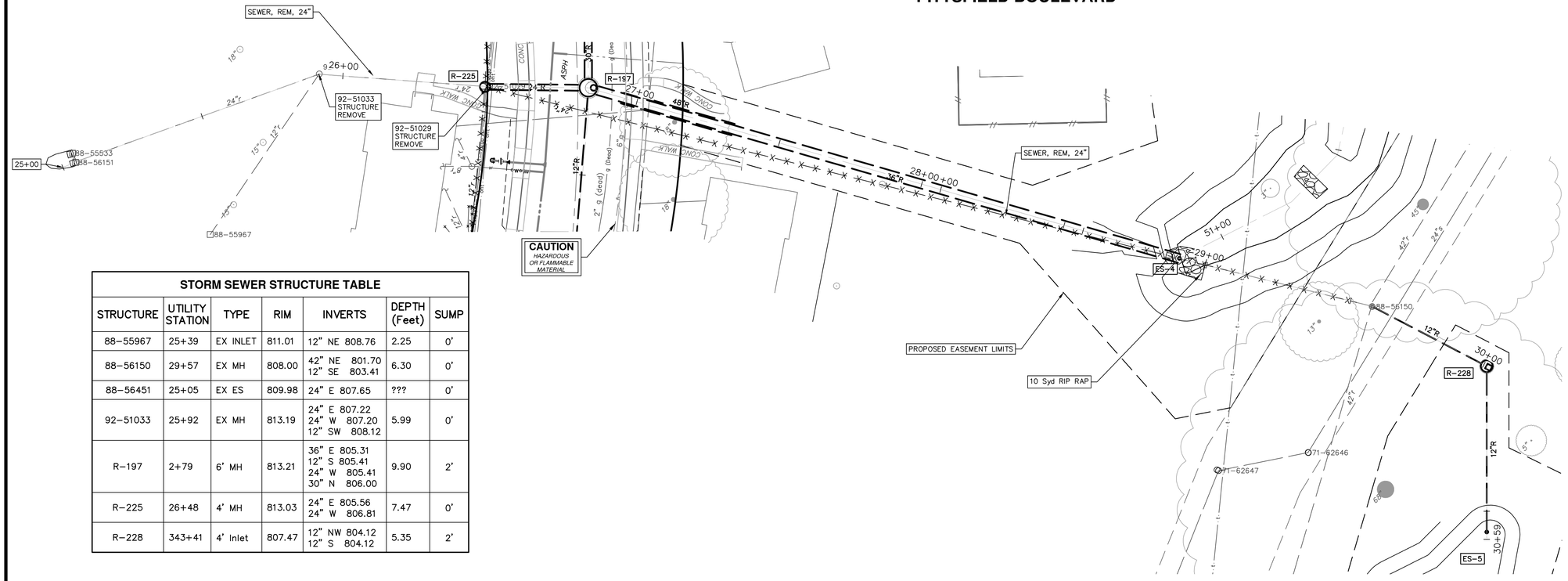
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
STORM SEWER PLAN (STA 20+00 TO STA 23+25)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'
DRAWING No. 2022-031-55
SHEET No. 55 OF 167

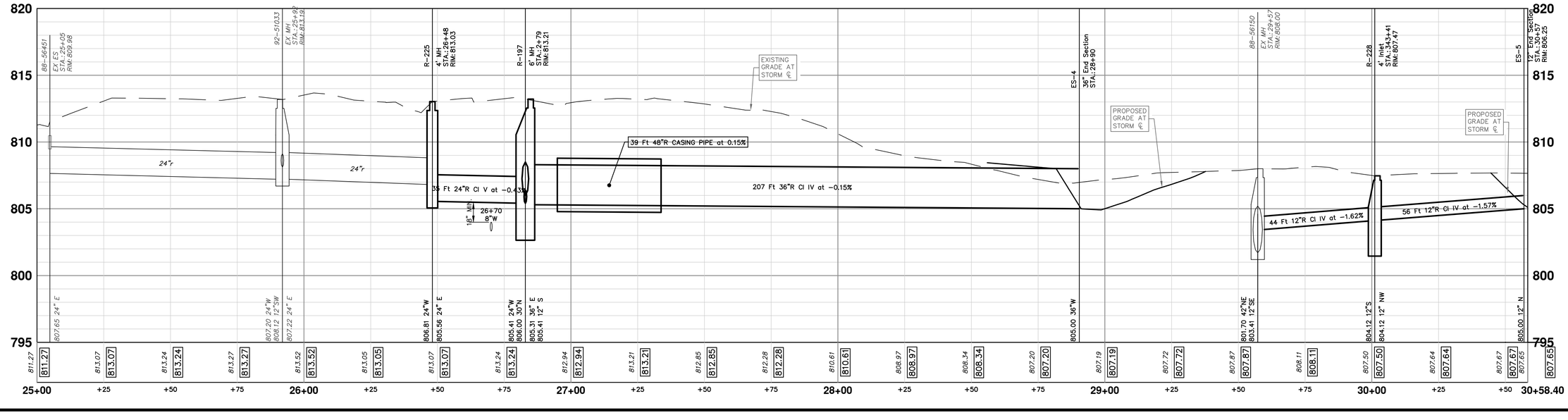
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_STM.dwg Created: 22-Jan-25 - _a2 standard bw.stb - Plot Date: 24-Jan-25

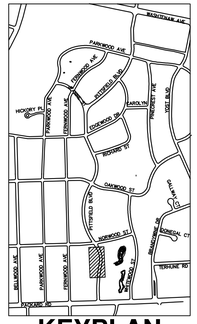
PITTSFIELD BOULEVARD



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
88-55967	25+39	EX INLET	811.01	12" NE 808.76	2.25	0'
88-56150	29+57	EX MH	808.00	42" NE 801.70 12" SE 803.41	6.30	0'
88-56451	25+05	EX ES	809.98	24" E 807.65	???	0'
92-51033	25+92	EX MH	813.19	24" E 807.22 24" W 807.20 12" SW 808.12	5.99	0'
R-197	2+79	6' MH	813.21	36" E 805.31 12" S 805.41 24" W 805.41 30" N 806.00	9.90	2'
R-225	26+48	4' MH	813.03	24" E 805.56 24" W 806.81	7.47	0'
R-228	343+41	4' Inlet	807.47	12" NW 804.12 12" S 804.12	5.35	2'

STORM STRUCTURE TABLE				
STRUCTURE	TYPE	RIM	INVERTS	PIPE
ES-4	36" End Section	808.42	36"W 805.00	207 LF OF 36" @ 0.15%
ES-5	12" End Section	806.25	12"N 805.00	56 LF OF 12" @ 1.57%





KEYPLAN

811 Know what's **below.** **Call** before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

STORM SEWER PLAN (STA 25+00 TO STA 30+58)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

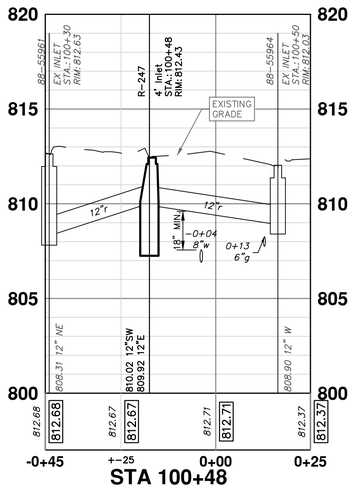
DRAWING No. 2022-031-56

SHEET No. 56 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_STM (2).dwg Dwg Created: 21-Oct-24 — _o2 standard bw.stb — Plot Date: 23-Jan-25

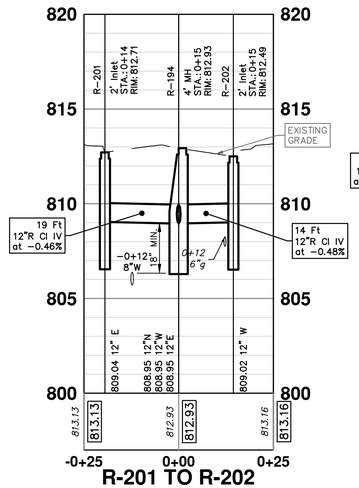
PITTSFIELD BOULEVARD

R-247



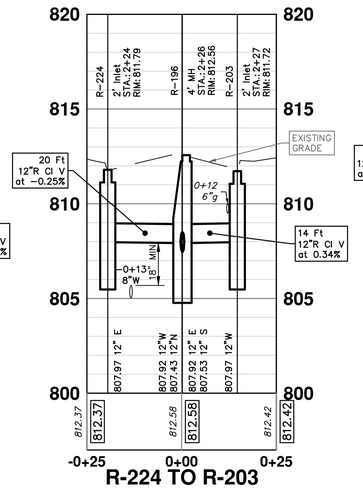
STA 100+48

R-194



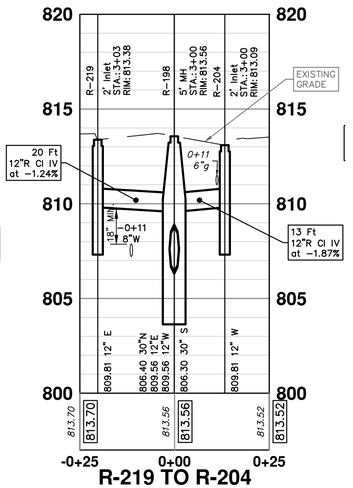
R-201 TO R-202
@ STA 0+15

R-196



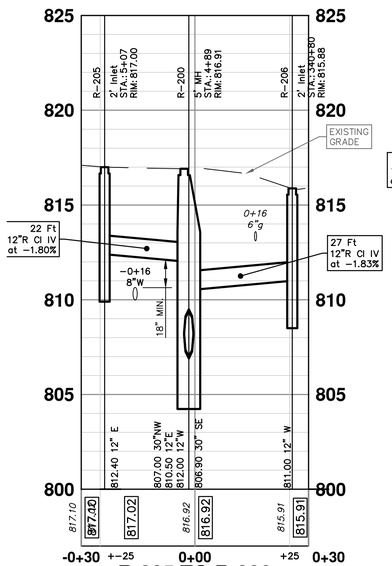
R-224 TO R-203
@ STA 2+26

R-198



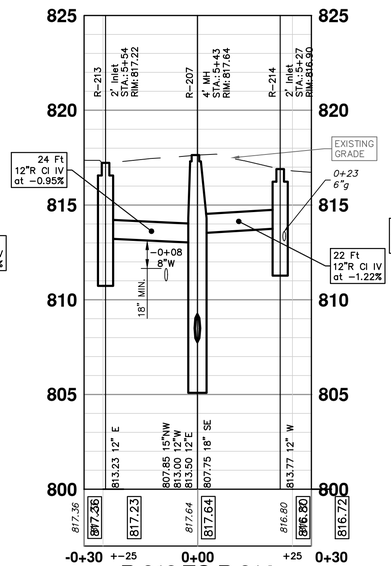
R-219 TO R-204
@ STA 3+00

R-200



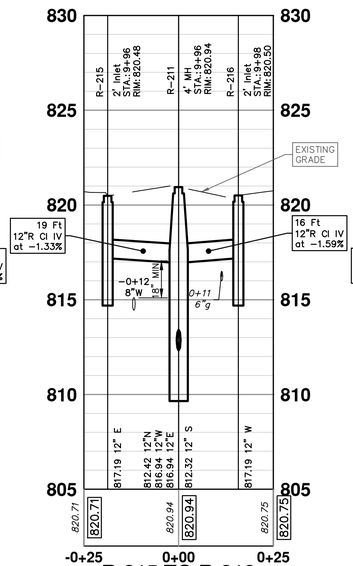
R-205 TO R-206
@ STA 4+87

R-207



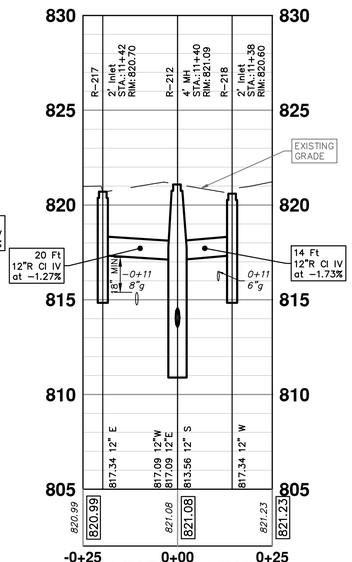
R-213 TO R-214
@ STA 5+43

R-211



R-215 TO R-216
@ STA 9+96

R-212



R-217 TO R-218
@ STA 11+40

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

STORM SEWER INLET CONNECTION PROFILES

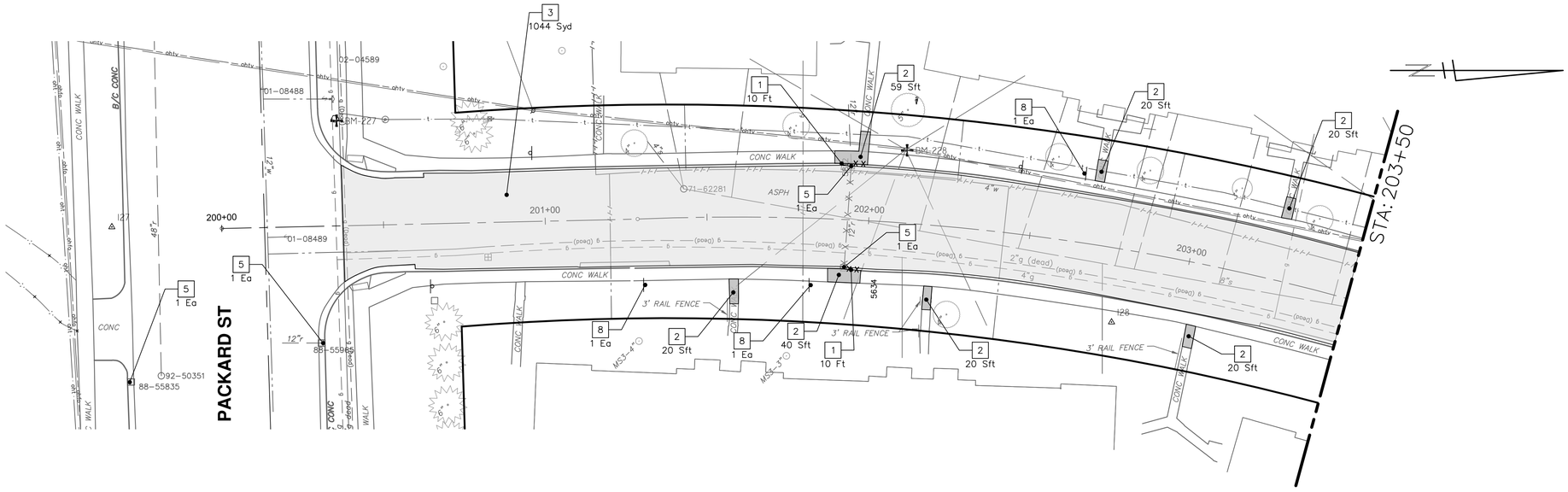
SCALE PLAN: N/A | PROFILE: 1" = 4'

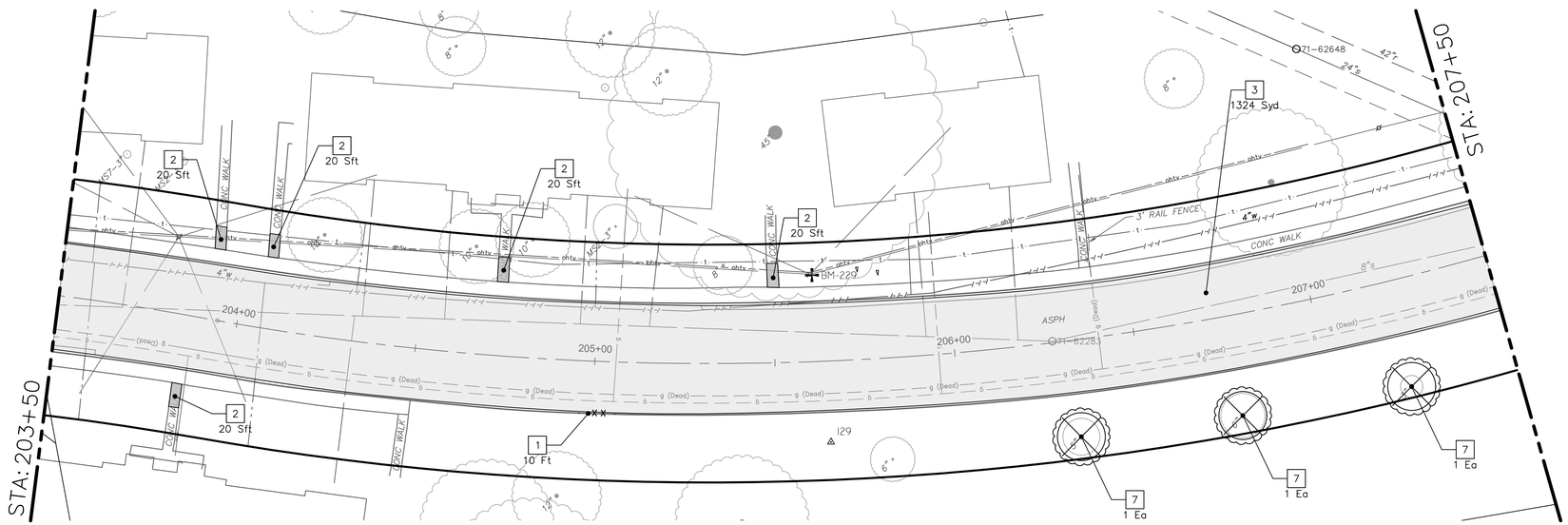
DRAWING No. 2022-031-57

SHEET No. 57 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_STM (2).dwg Dwg Created: 21-Oct-24 — _o2 standard bw.stb — Plot Date: 23-Jan-25

WHITEWOOD STREET

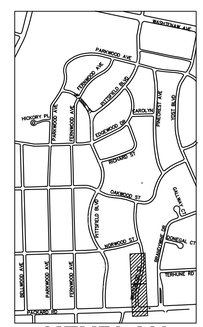




REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

REMOVAL PLAN (STA 200+00. TO STA 207+50)

SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-58

SHEET No. 58 OF 167

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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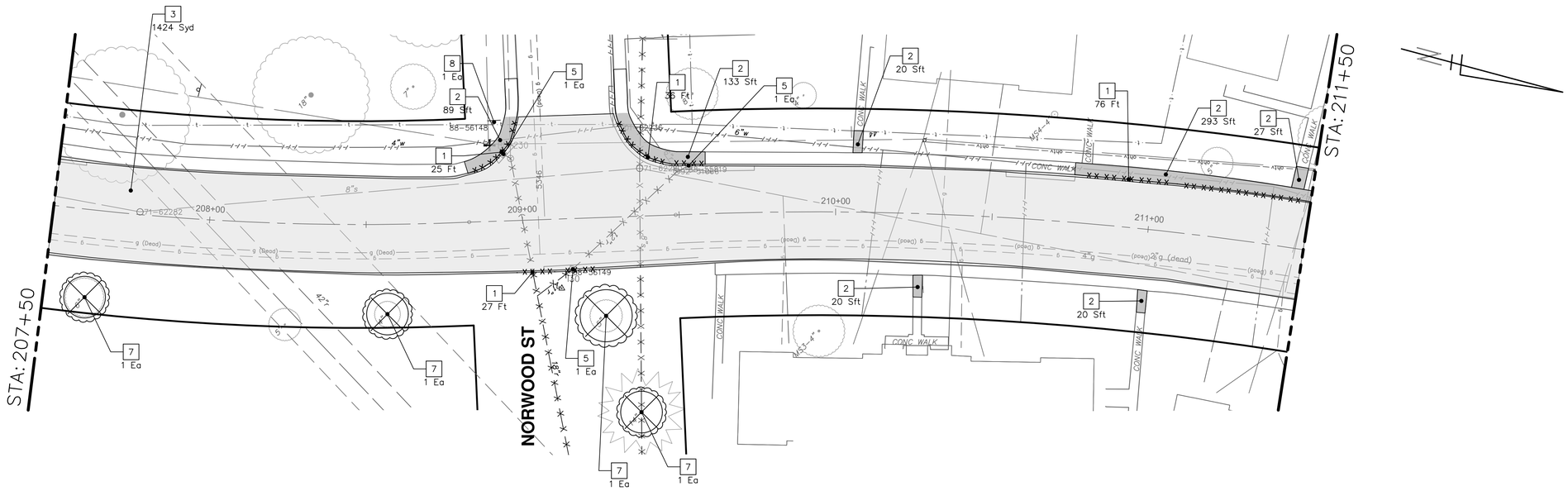
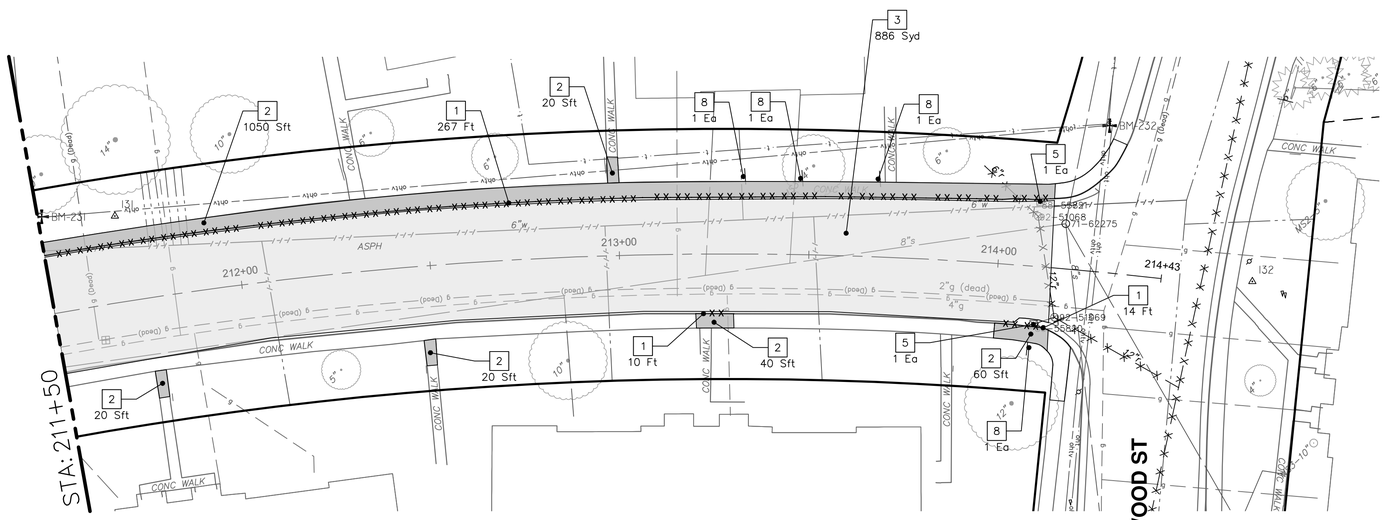
811 Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050WHITEWOOD_REM.dwg Dwg Created: 18-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

WHITEWOOD STREET



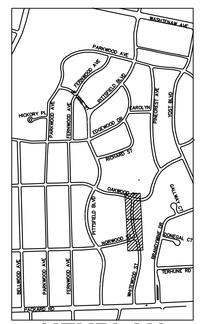


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

811 Know what's below. Call before you dig.

NO	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	BID SET	ADDENDUM #2	1-22-2025	SM	CE
00			12-19-2024	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

REMOVAL PLAN (STA 207+50 TO STA 214+43)

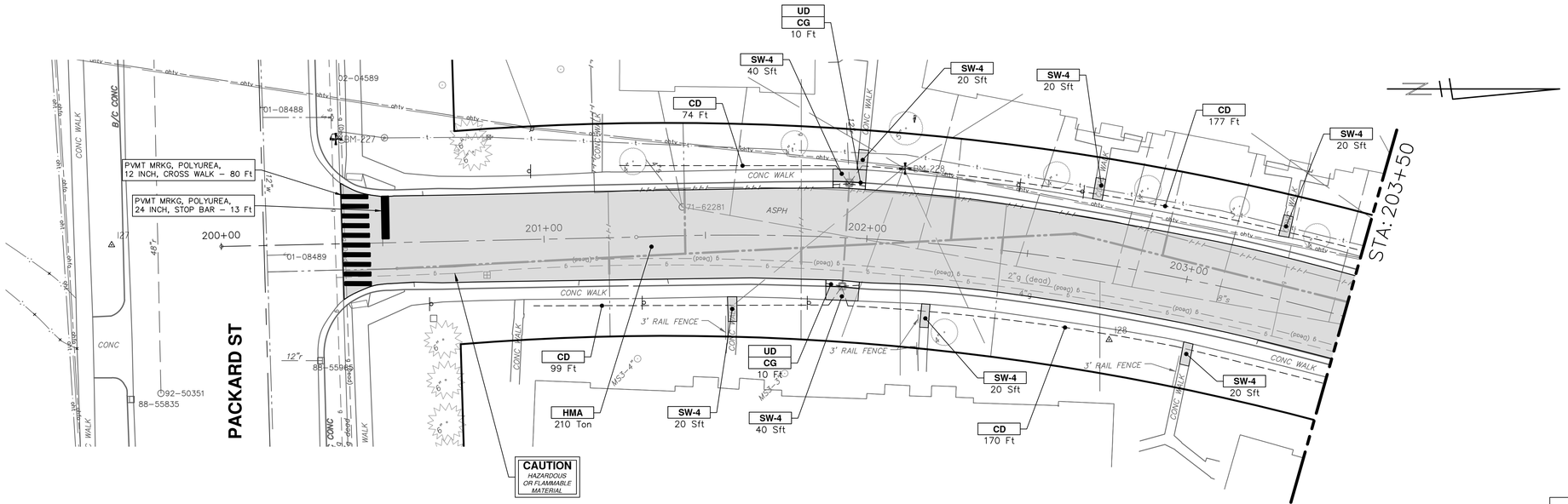
SCALE PLAN: ########

DRAWING No. 2022-031-59

SHEET No. 59 OF 167

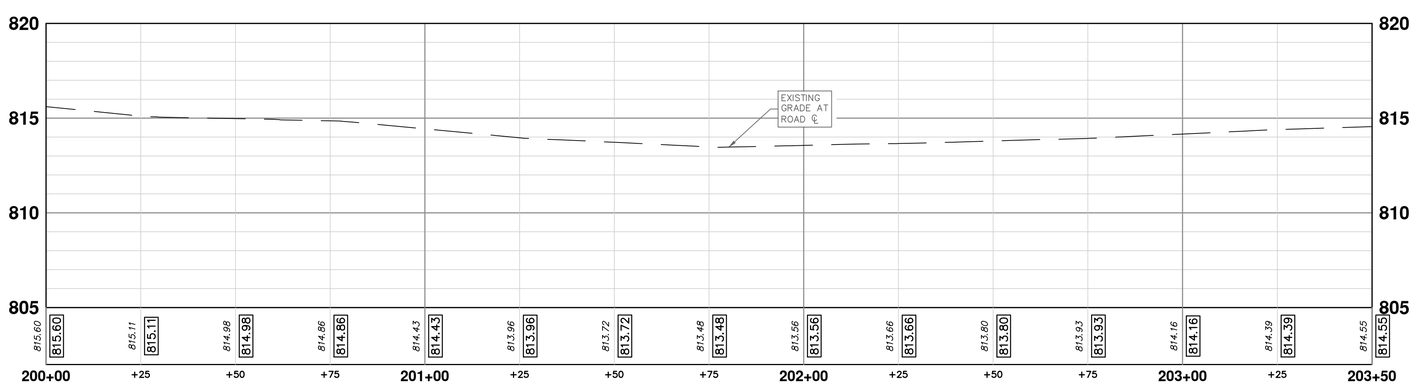
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050WHITEWOOD_REM.dwg Dwg Created: 18-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

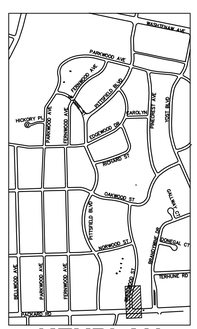
WHITEWOOD STREET



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

ROAD PLAN (STA 200+00 TO STA 203+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

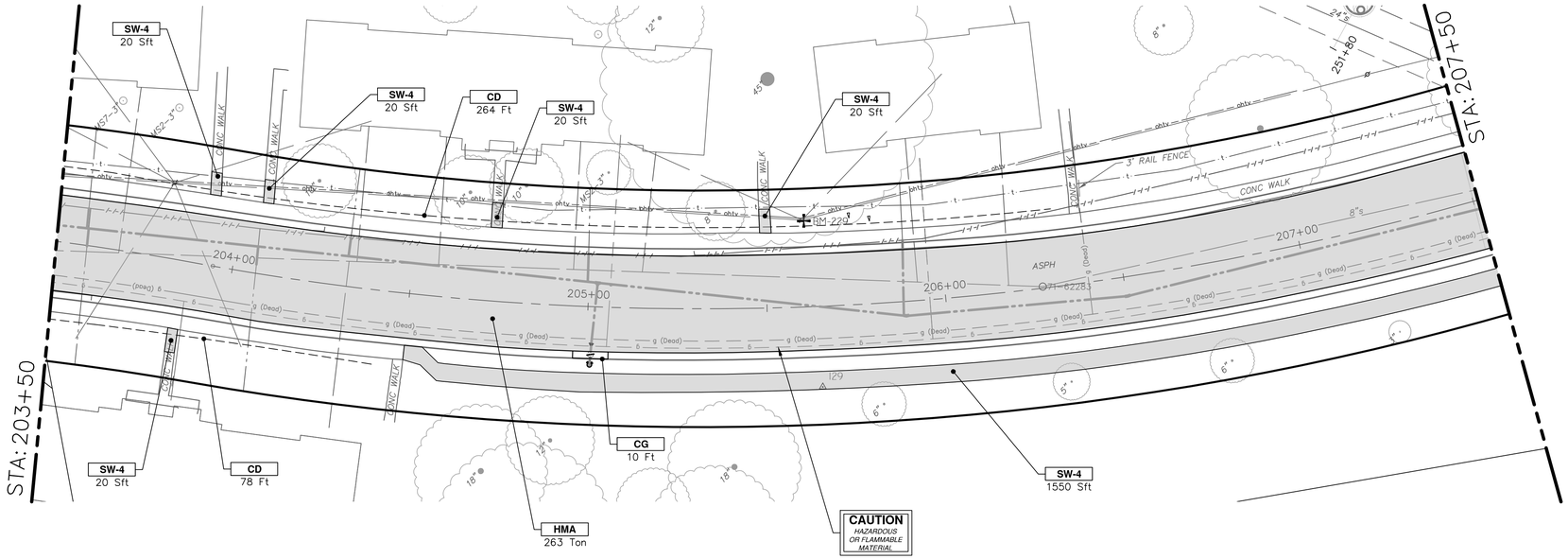
DRAWING No. 2022-031-60

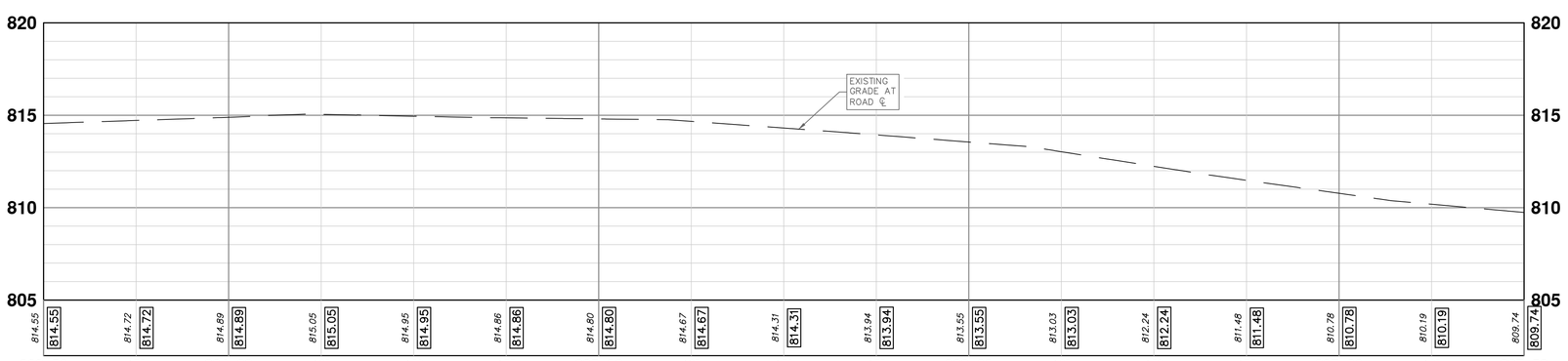
SHEET No. 60 OF 167

Know what's below. Call before you dig.

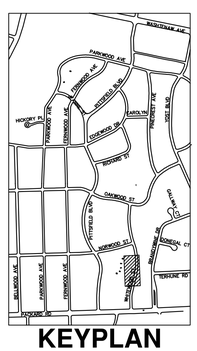
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_CON.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

WHITEWOOD STREET





CONSTRUCTION KEY	
KEY	**DESCRIPTION**
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

ROAD PLAN (STA 203+50 TO STA 207+50)

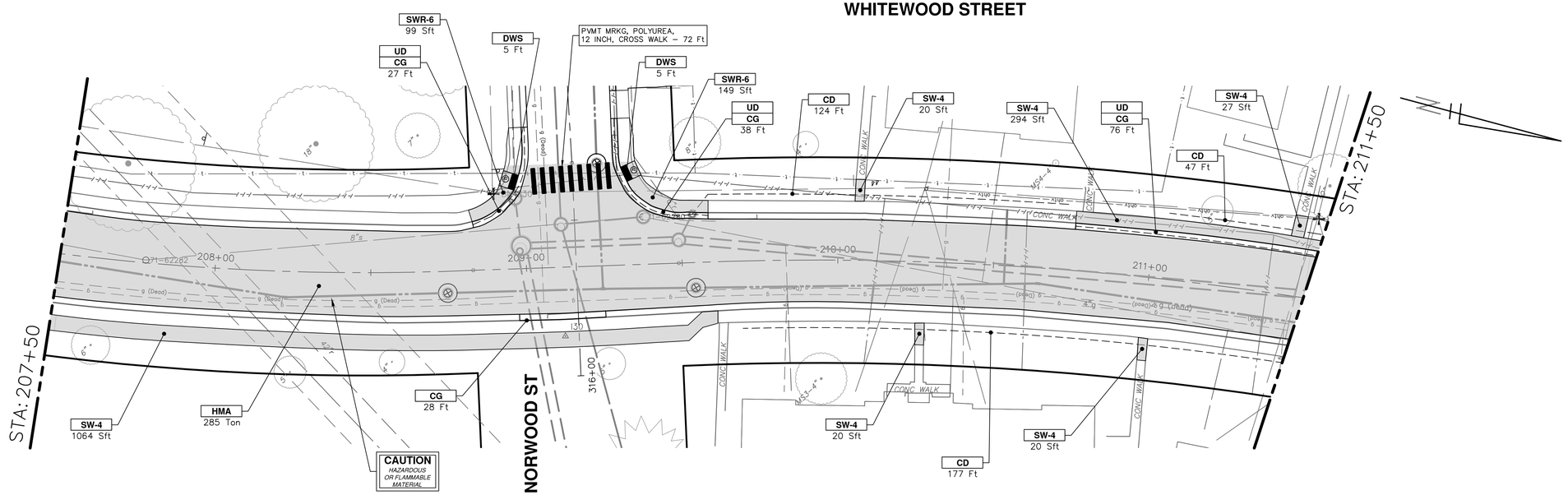
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

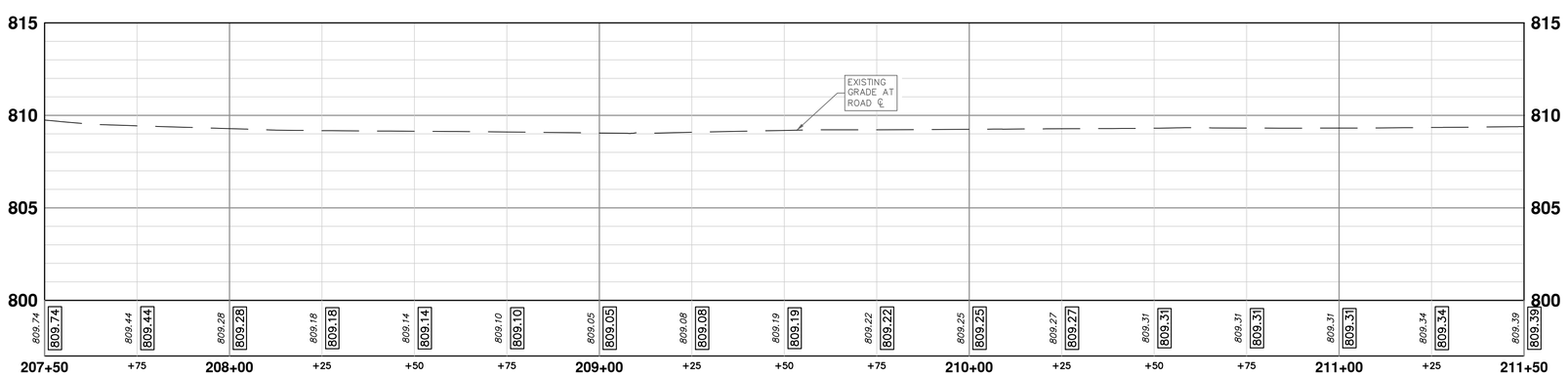
DRAWING No. 2022-031-61

SHEET No. 61 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_CON.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

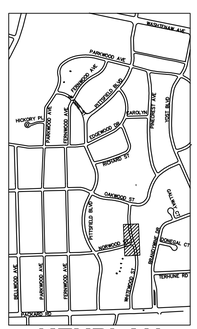
WHITEWOOD STREET





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

811 Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

ROAD PLAN (STA 207+50 TO STA 211+50)

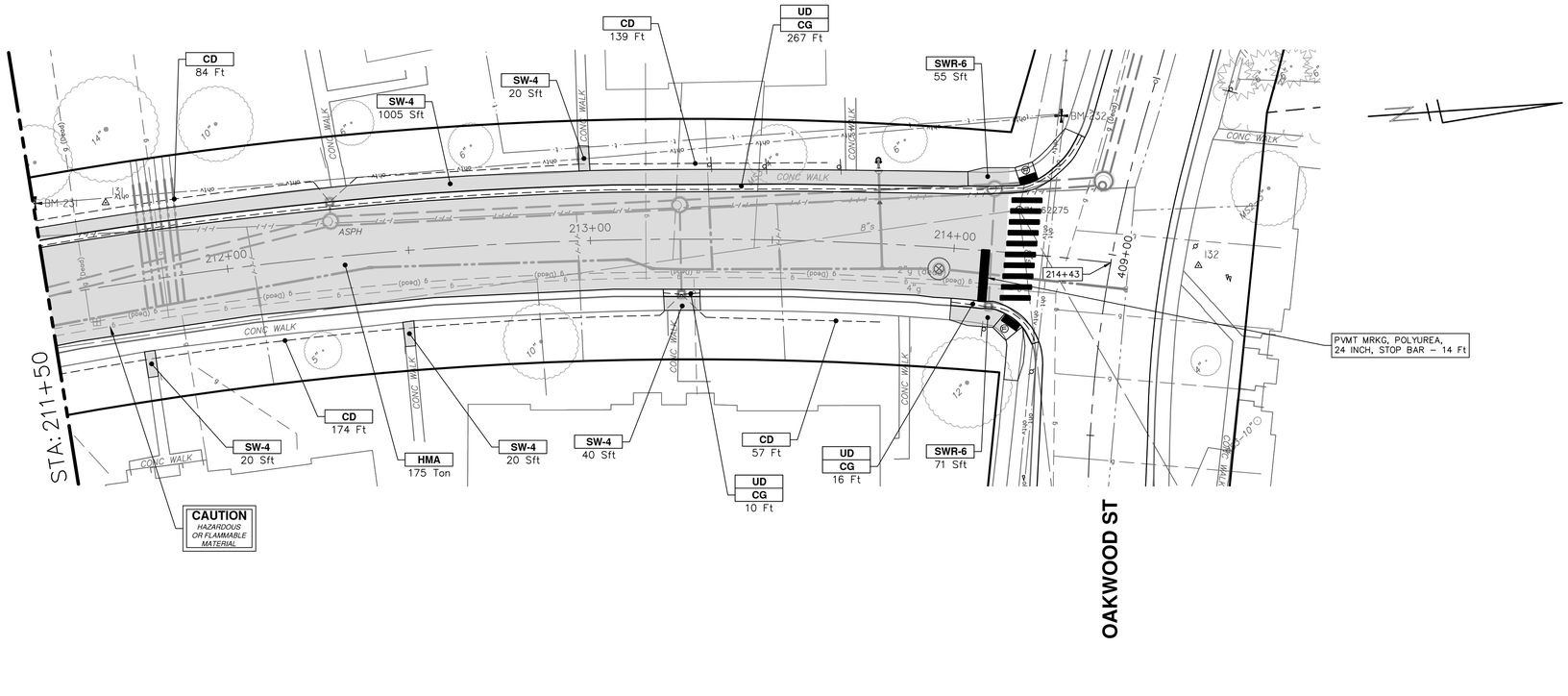
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

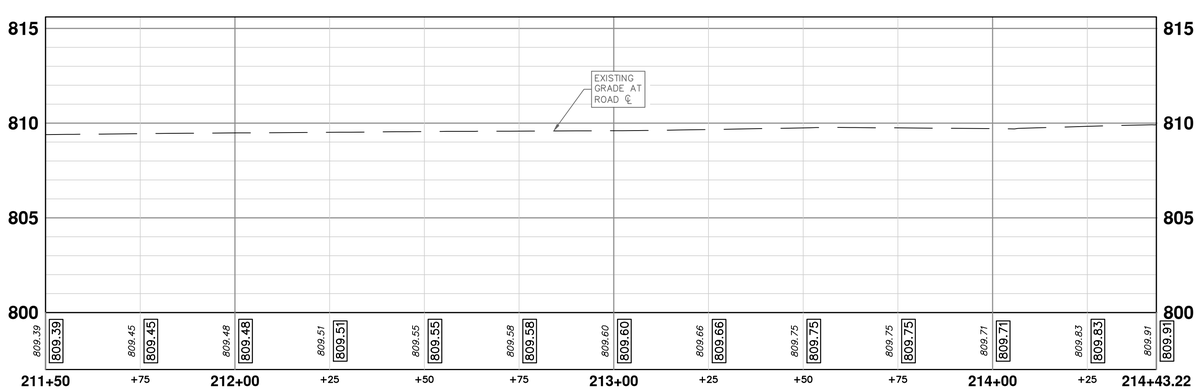
DRAWING No. 2022-031-62

SHEET No. 62 OF 167

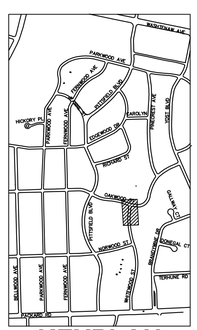
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_CON.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

WHITEWOOD STREET





CONSTRUCTION KEY	
KEY	**DESCRIPTION**
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

811 Know what's **below.** **Call before you dig.**

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00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

ROAD PLAN (STA 211+50 TO STA 214+43)

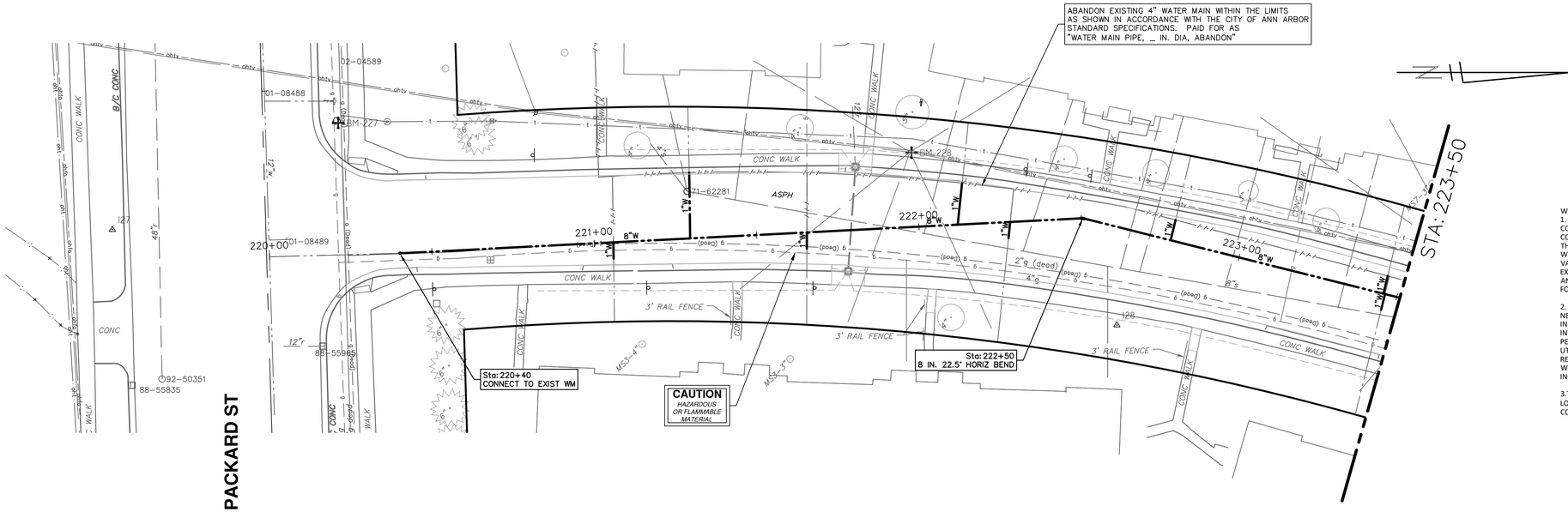
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-63

SHEET No. 63 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_CON.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

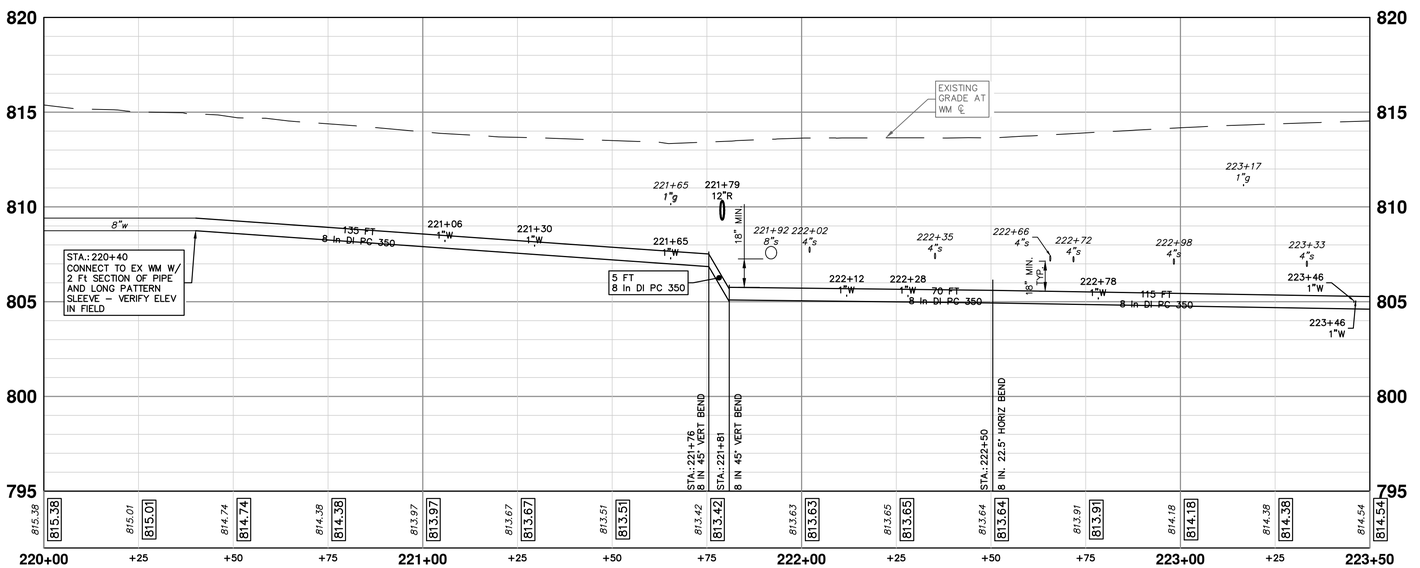
WHITEWOOD STREET

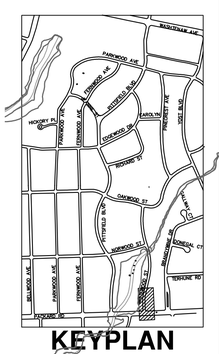


WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.





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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

WATER MAIN PLAN (STA 220+00 TO STA 223+50)

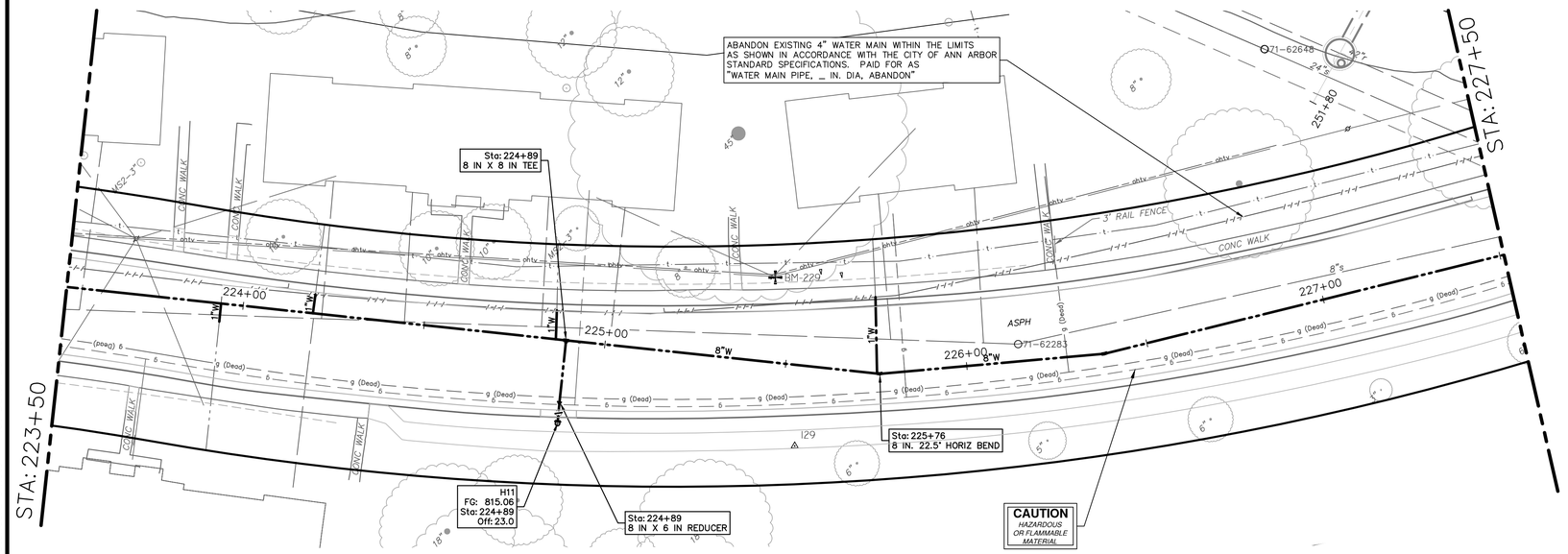
SCALE **PLAN: 1" = 20'** **PROFILE: 1" = 4'**

DRAWING No. **2022-031-64**

SHEET No. **64 OF 167**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_WM.dwg Dwg Created: 7-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

WHITEWOOD STREET



WATER MAIN NOTES:
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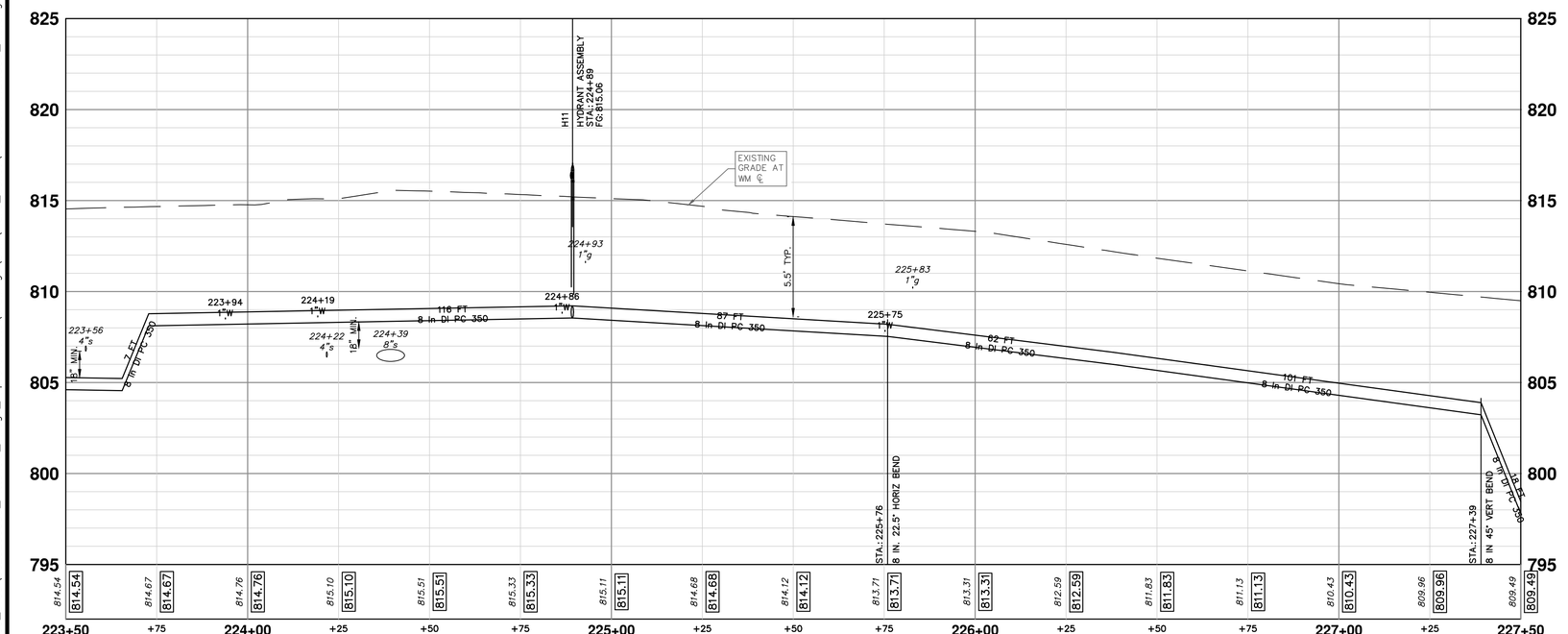
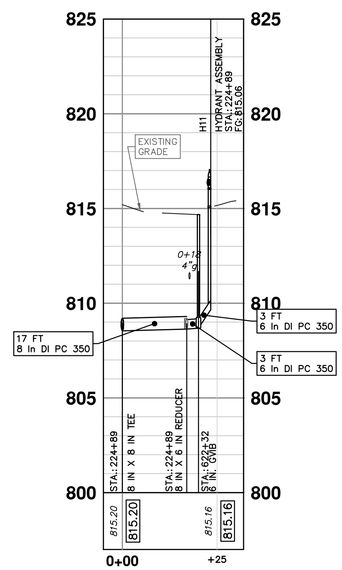
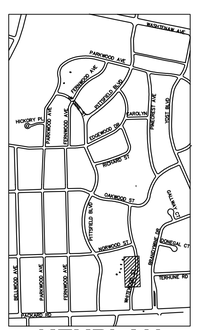
3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
H11	HYDRANT ASSEMBLY	224+89	815.06	5.50







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00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

WATER MAIN PLAN (STA 223+50 TO STA 227+50)

SCALE **PLAN:** 1" = 20' **PROFILE:** 1" = 4'

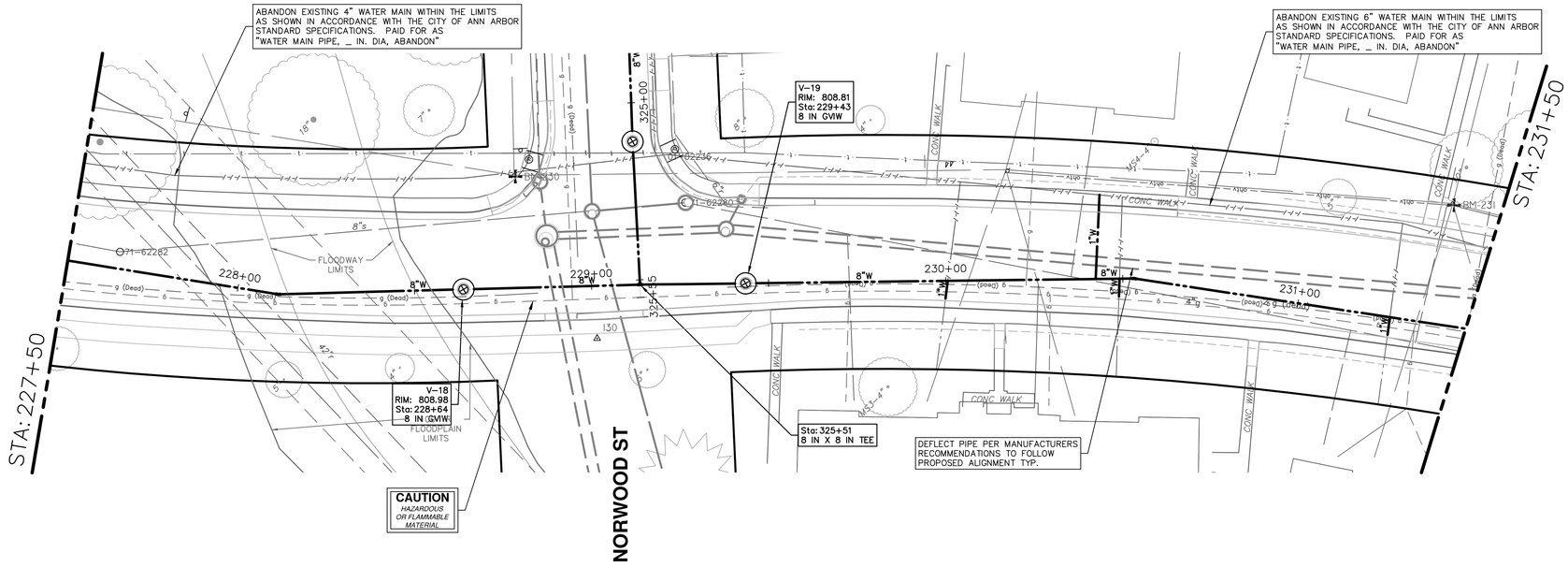
DRAWING No. **2022-031-65**

SHEET No. **65 OF 167**

Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_WM.dwg Dwg Created: 7-Jan-25 — a2 standard bw.stb — Plot Date: 23-Jan-25

WHITEWOOD STREET



WATER MAIN NOTES:
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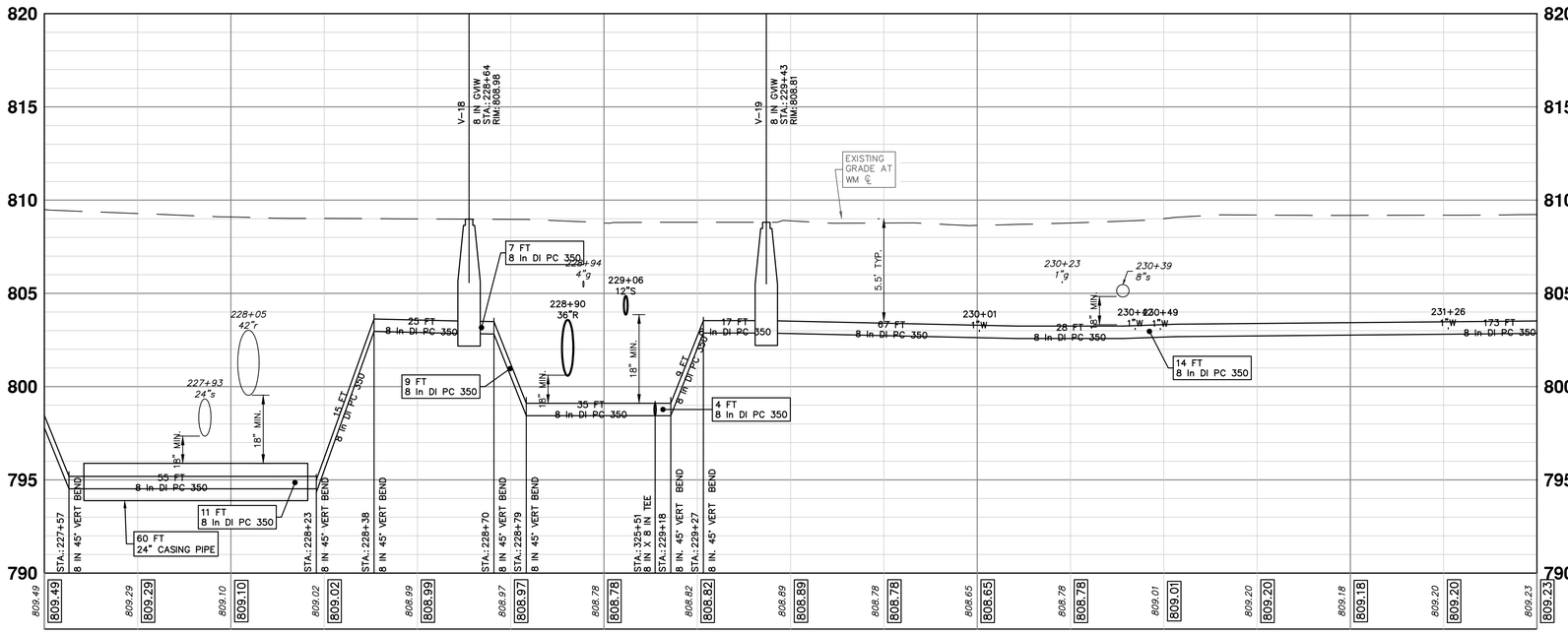
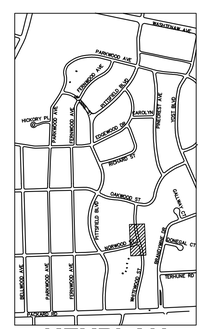


WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-18	8 in GVIW	228+64	808.98	6.14
V-19	8 in GVIW	229+43	808.81	5.94



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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01	ADDENDUM #2	1-22-2025	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

WATER MAIN PLAN (STA 227+50 TO STA 231+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-66

SHEET No. 66 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_WM.dwg Dwg Created: 7-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

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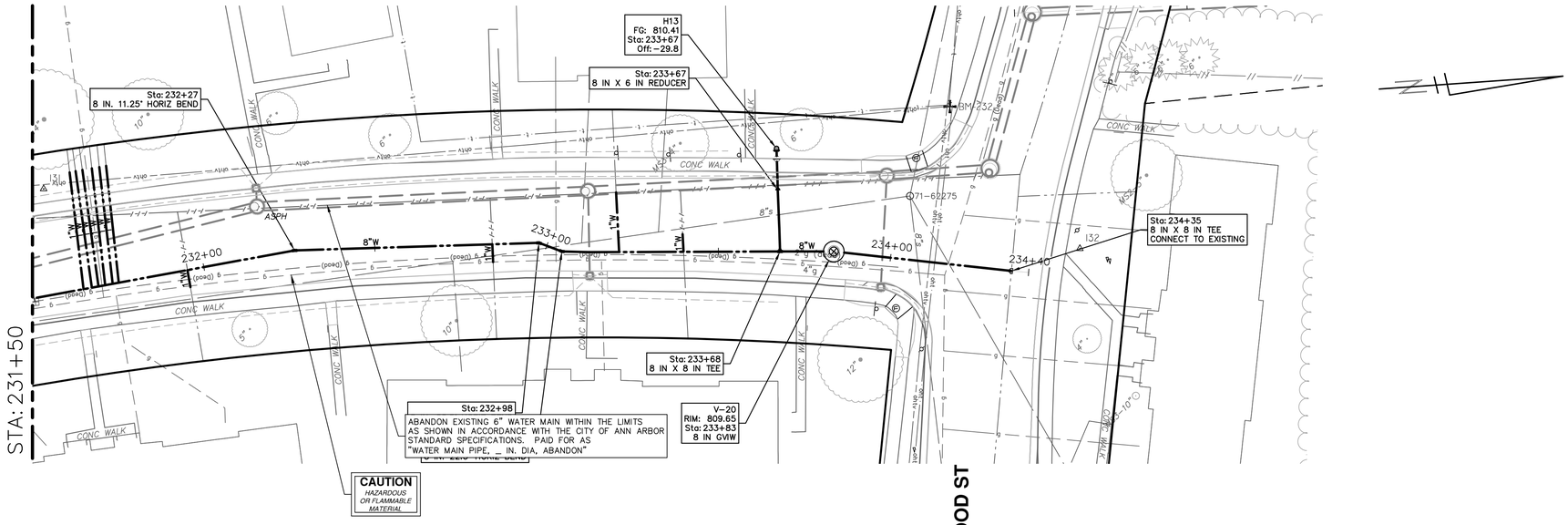
WHITEWOOD STREET



OAKWOOD ST

WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
H13	HYDRANT ASSEMBLY	233+67	810.41	6.00
V−20	8 in GVIW	233+83	809.65	6.44

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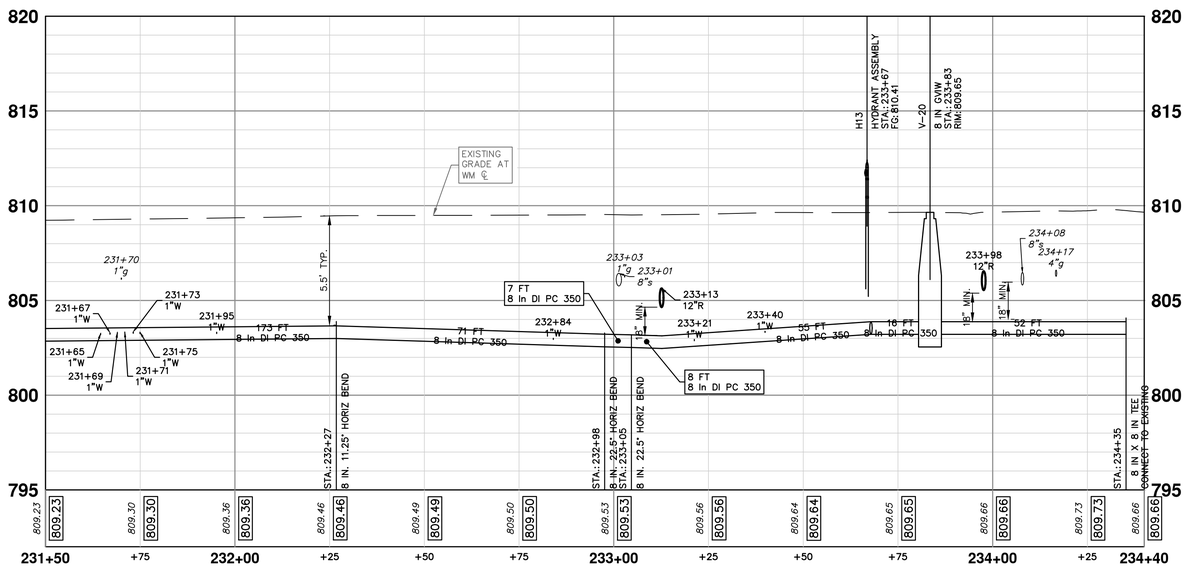
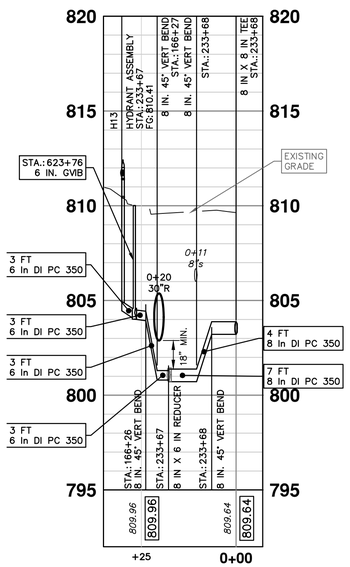
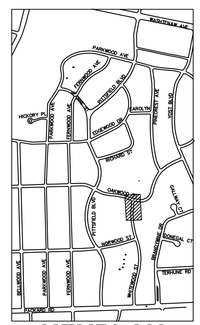


H13



STA 233+68

KEYPLAN



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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

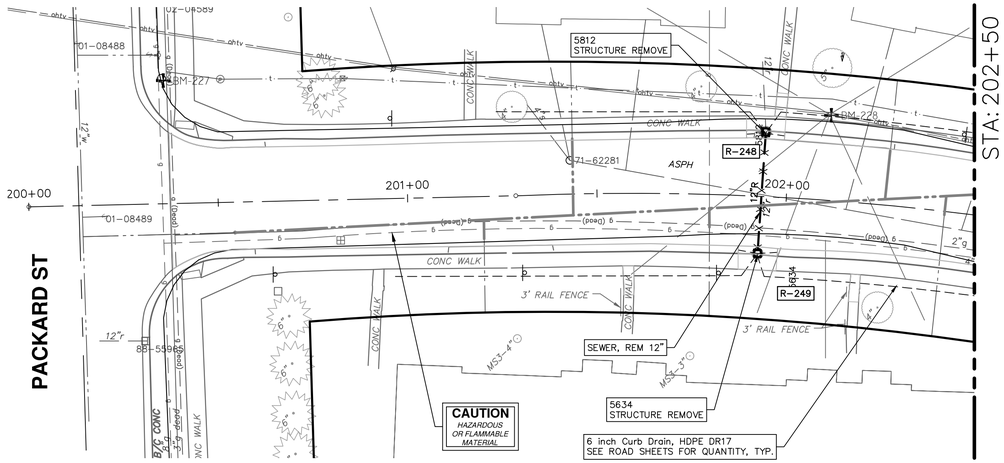
WATER MAIN PLAN (STA 231+50 TO STA 234+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

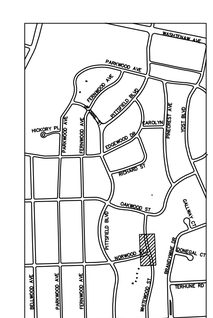
DRAWING No. 2022-031-67

SHEET No. 67 OF 167

WHITEWOOD STREET



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-248	201+94	2' Inlet	813.00	12" E 809.01 12" W 808.91	6.09	2'
R-249	201+93	2' Inlet	813.00	12" W 809.53	5.47	2'



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

STORM SEWER PLAN (STA 200+00 TO STA 202+50)

SCALE PLAN: ######## PROFILE: 1" = 4'

DRAWING No. 2022-031-68

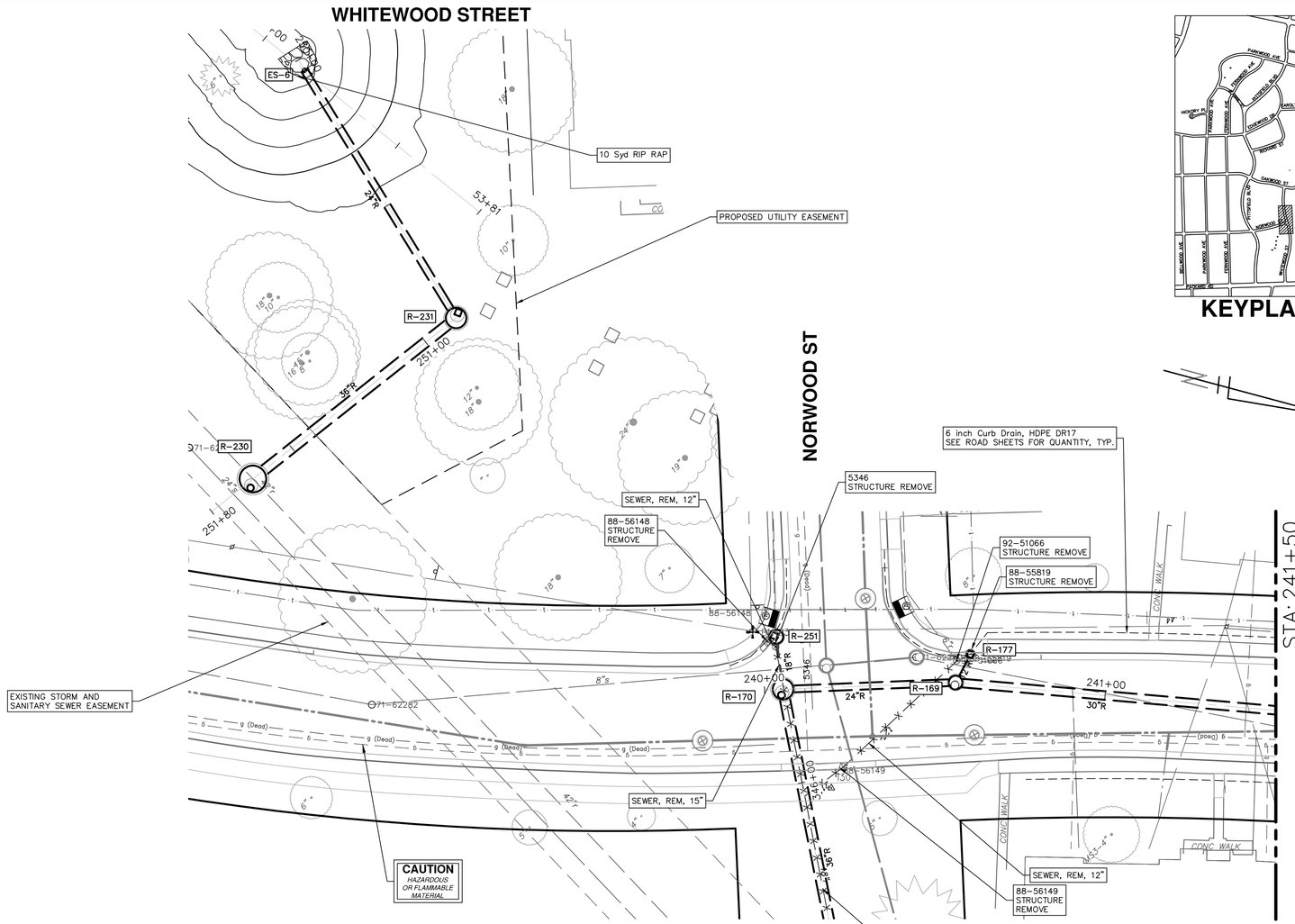
SHEET No. 68 OF 167

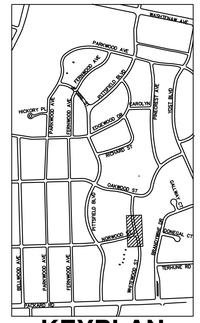
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_STM.dwg Dwg Created: 12-Dec-24 - _a2 standard bw.stb - Plot Date: 23-Jan-25

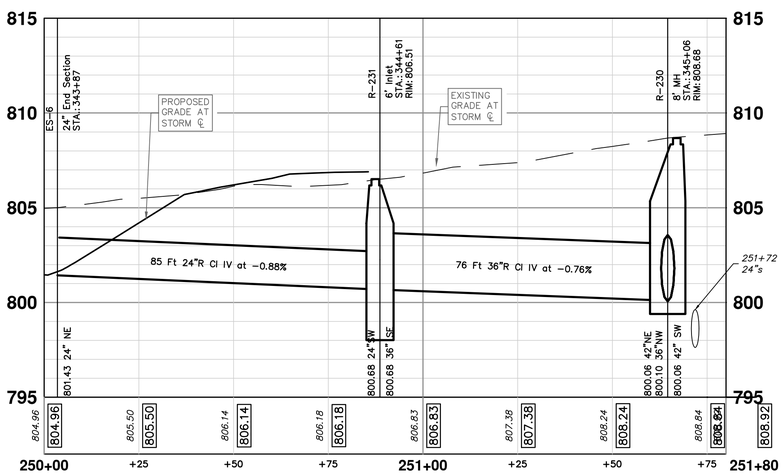
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-169	240+56	4' MH	808.87	30" N 801.60 12" W 803.00 24" S 801.50	9.37	2'
R-170	240+05	6' MH	808.70	18" W 802.20 24" N 800.70 36" NE 800.60	10.10	2'
R-177	240+60	2' Inlet	808.27	12" E 803.50	6.77	2'
R-251	345+57	4' Inlet	808.38	15" W 802.39 18" E 802.26	8.12	2'

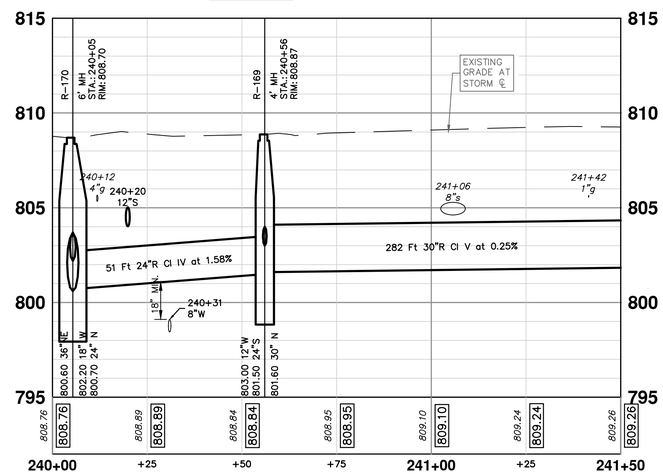
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-230	345+06	8' MH	808.68	42" SW 800.06 42" NE 800.06 36" NW 800.10	8.62	0'
R-231	344+61	6' Inlet	806.51	36" SE 800.68 24" SW 800.68	7.83	2'

STORM STRUCTURE TABLE				
STRUCTURE	TYPE	RIM	INVERTS	PIPE
ES-6	24" End Section	803.76	24"NE 801.43	85 LF OF 24" @ 0.88%









811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

STORM SEWER PLAN (STA 240+00 TO STA 241+50)

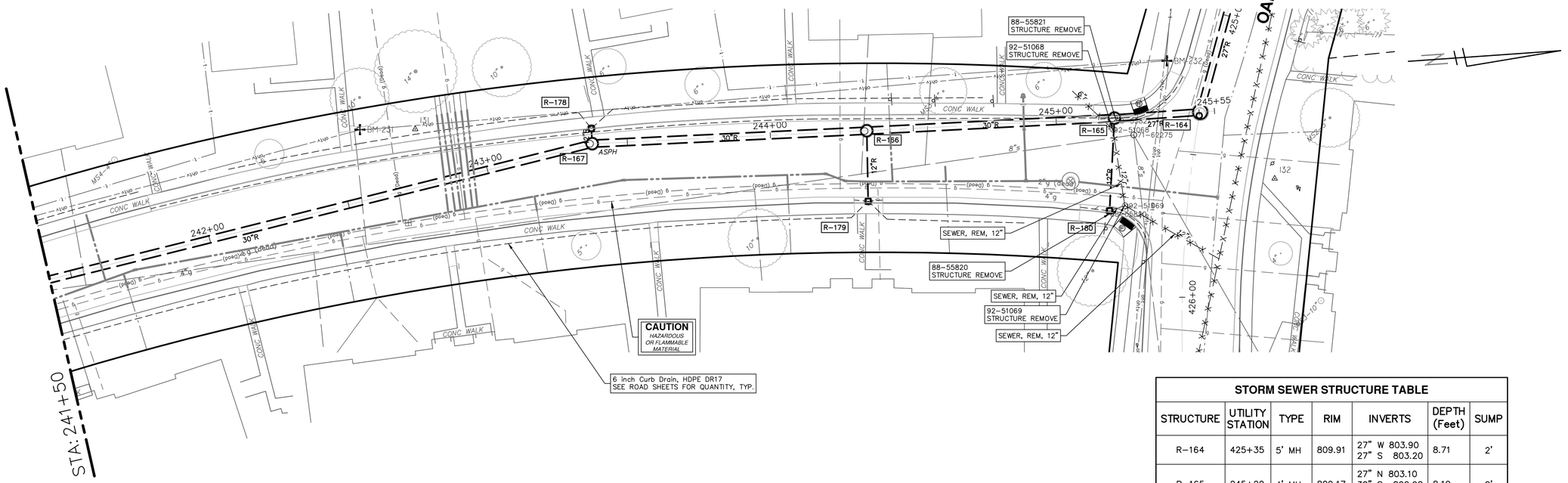
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-69

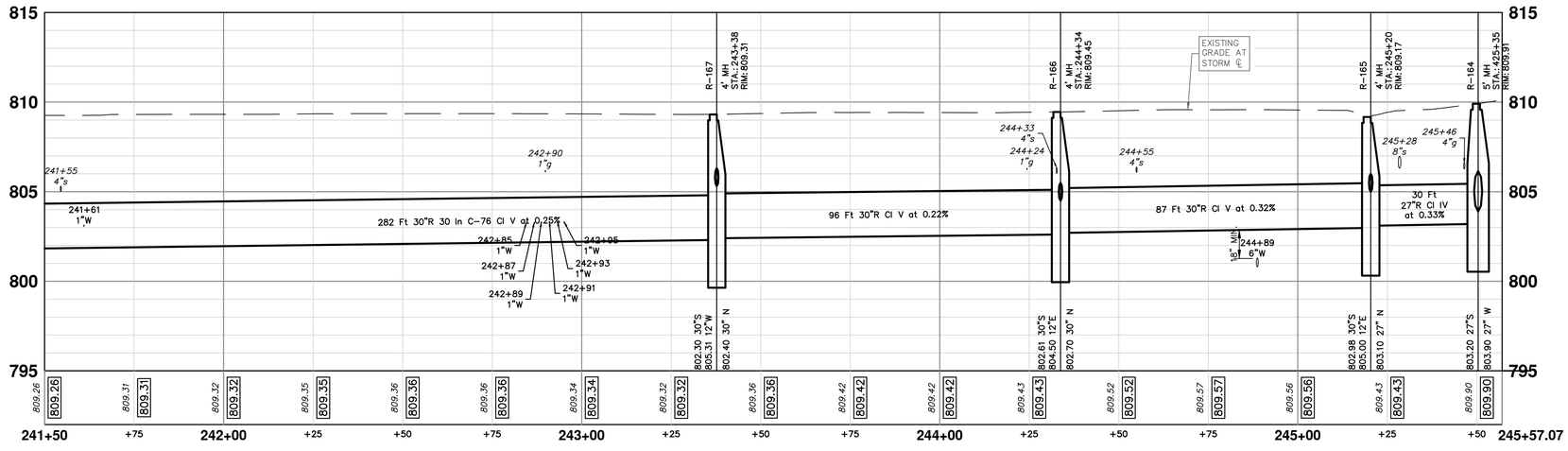
SHEET No. 69 OF 167

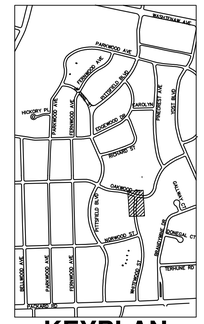
P:\0000_0100\002823005_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_STM.dwg Dwg Created: 12-Dec-24 - _a2 standard bw.stb - Plot Date: 23-Jan-25

WHITEWOOD STREET



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-164	425+35	5' MH	809.91	27" W 803.90 27" S 803.20	8.71	2'
R-165	245+20	4' MH	809.17	27" N 803.10 30" S 802.98 12" E 805.00	8.19	2'
R-166	244+34	4' MH	809.45	30" N 802.70 30" S 802.61 12" E 804.50	8.84	2'
R-167	243+38	4' MH	809.31	30" N 802.40 30" S 802.30 12" W 805.31	9.00	2'
R-178	243+38	2' Inlet	809.57	12" E 805.55	6.02	2'
R-179	244+33	2' Inlet	809.41	12" W 804.70	6.71	2'
R-180	245+17	2' Inlet	809.34	12" W 805.75	5.59	2'





KEYPLAN

Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

STORM SEWER PLAN (STA 241+50 TO STA 245+57)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

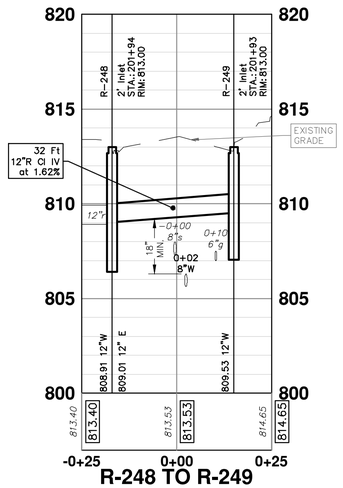
DRAWING No. 2022-031-70

SHEET No. 70 OF 167

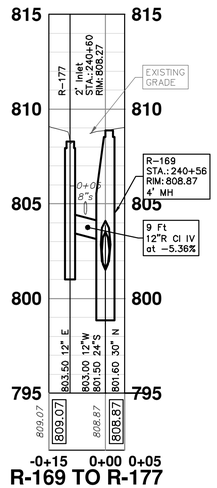
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_STM.dwg Dwg Created: 12-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

WHITEWOOD STREET

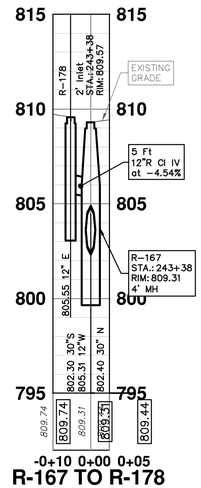
R-169 R-167 R-166 R-165



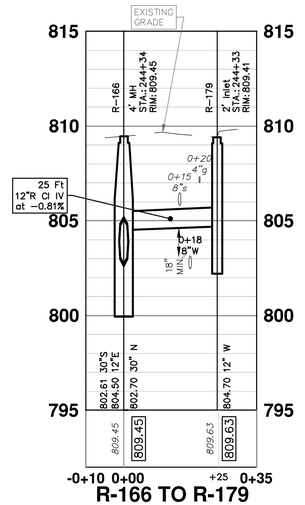
R-248 TO R-249
@ STA 201+93



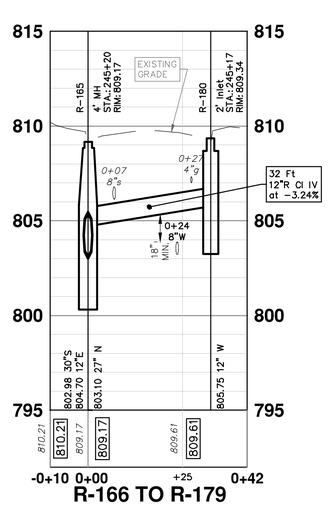
R-169 TO R-177
@ STA 240+56



R-167 TO R-178
@ STA 243+38



R-166 TO R-179
@ STA 244+34



R-166 TO R-179
@ STA 244+34

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: N/A PROFILE: 1" = 4'

DRAWING No. 2022-031-71

SHEET No. 71 OF 167

PITTSFIELD VILLAGE IMPROVEMENTS

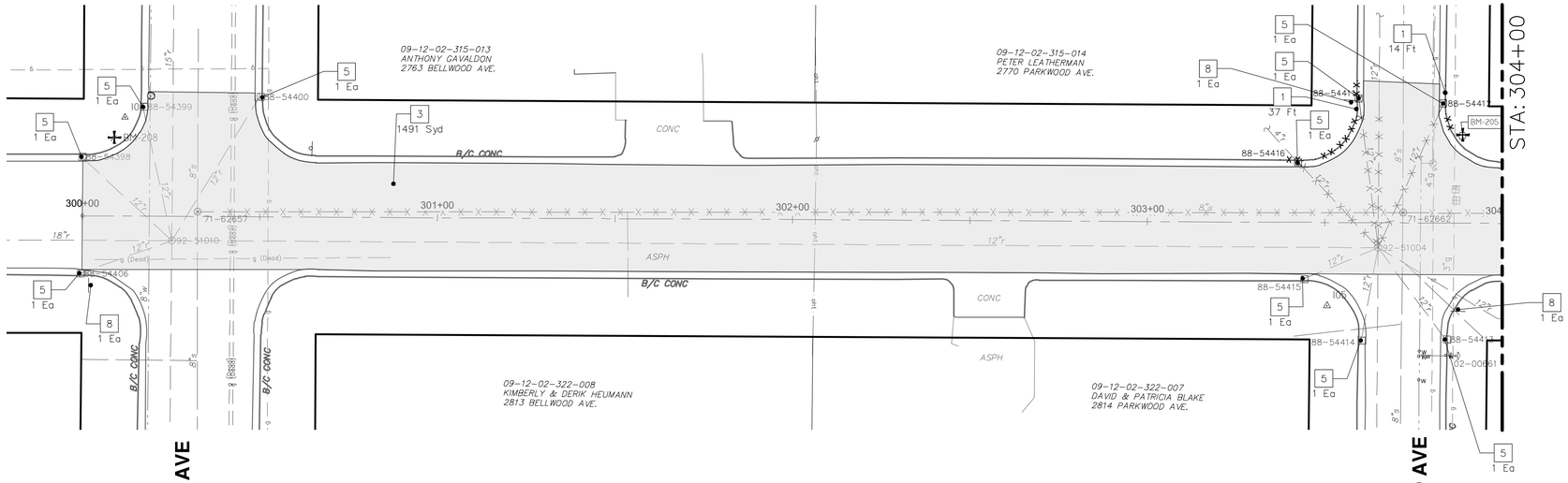
WHITEWOOD STREET

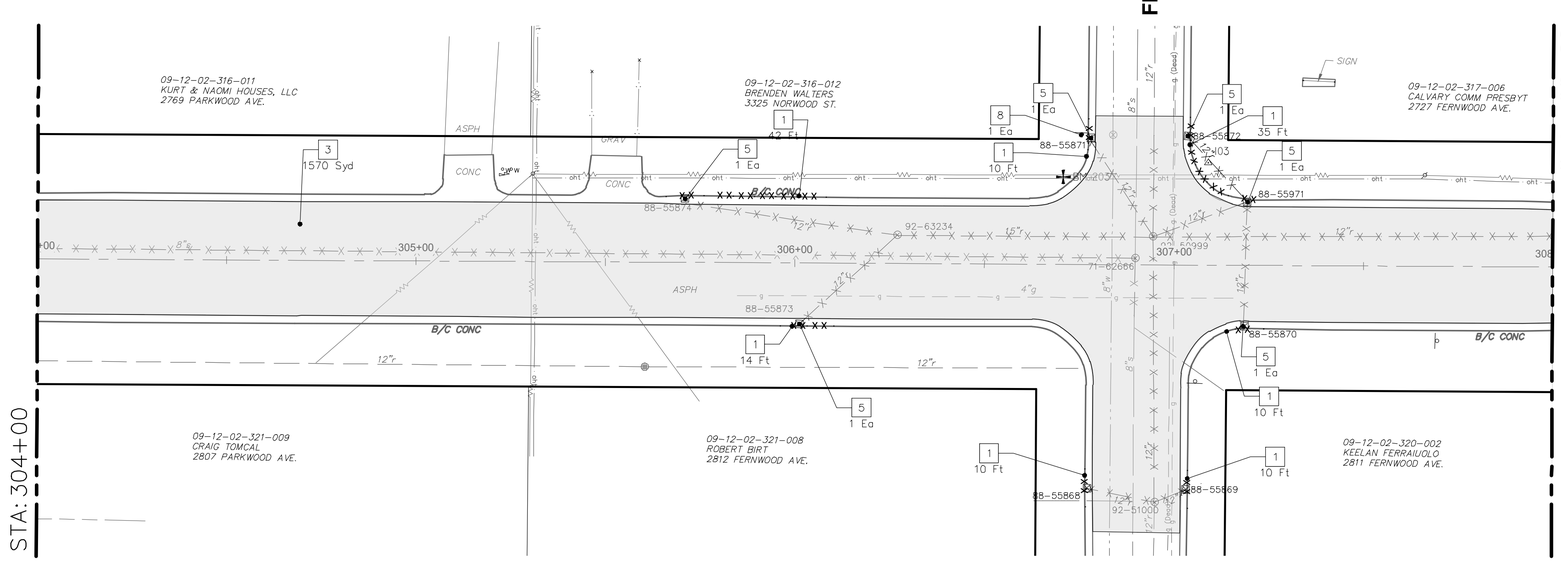
STORM SEWER INLET CONNECTION PROFILES

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_STM.dwg Dwg Created: 12-Dec-24 - _a2 standard bw.stb - Plot Date: 24-Jan-25

P:\2000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050NORWOOD_REM.dwg Dwg Created: 10-Dec-24 — _a2 standard bw.stb — Plot Date: 24-Jan-25

NORWOOD STREET

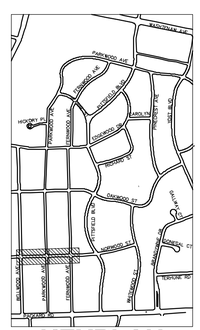




REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

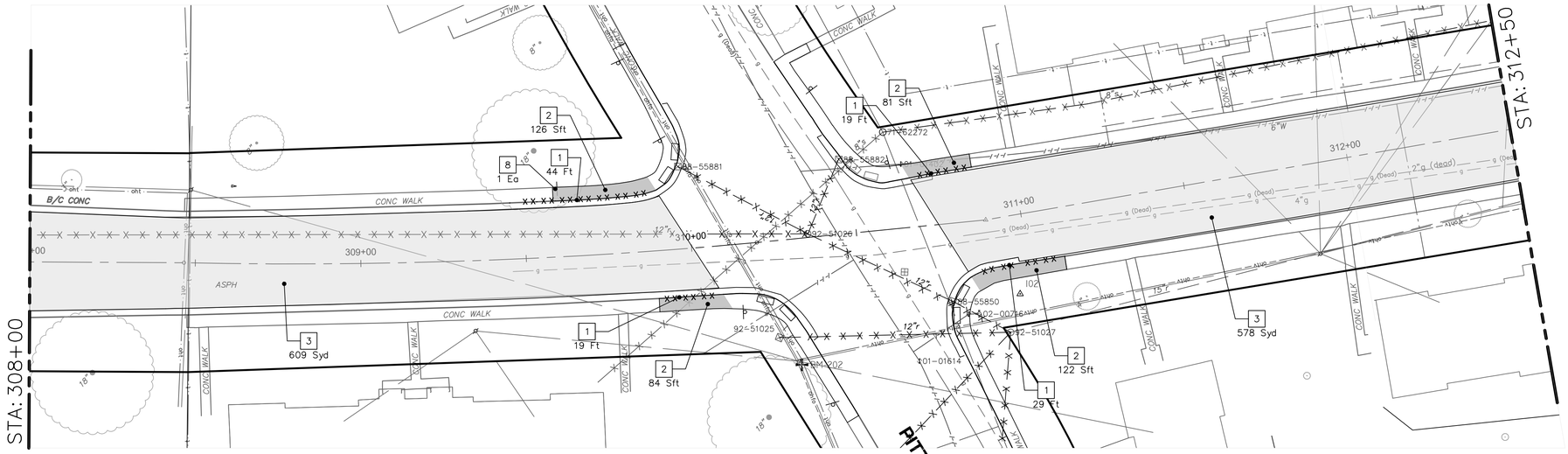
REMOVAL PLAN (STA 300+00 TO STA 312+50)

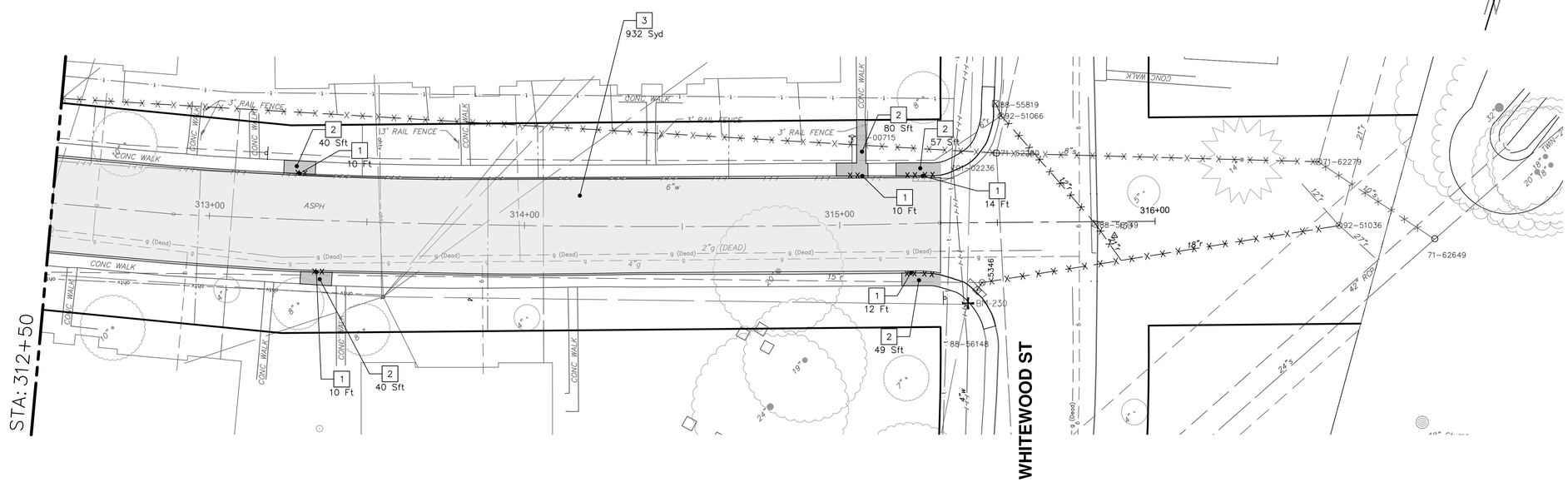
SCALE PLAN: 1" = 20'

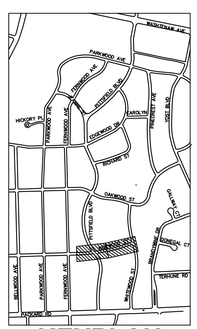
DRAWING No. 2022-031-72

SHEET No. 72 OF 167

NORWOOD STREET







REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

REMOVAL PLAN (STA 312+50 TO STA 316+00)

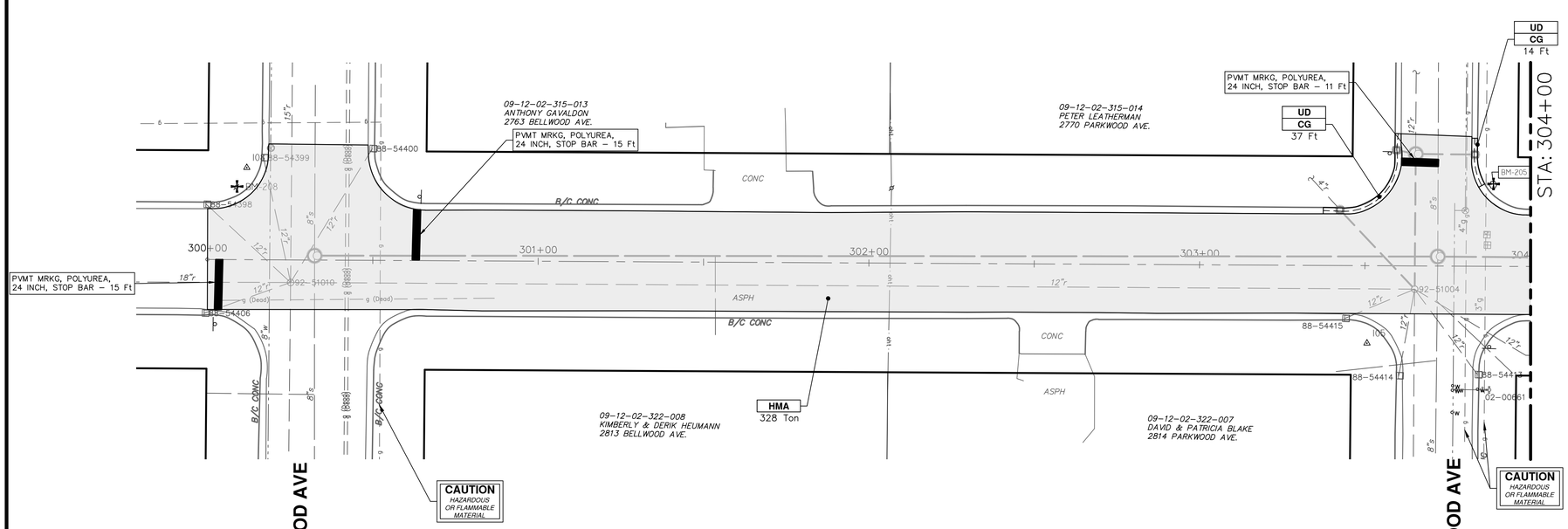
SCALE PLAN: 1" = 20'

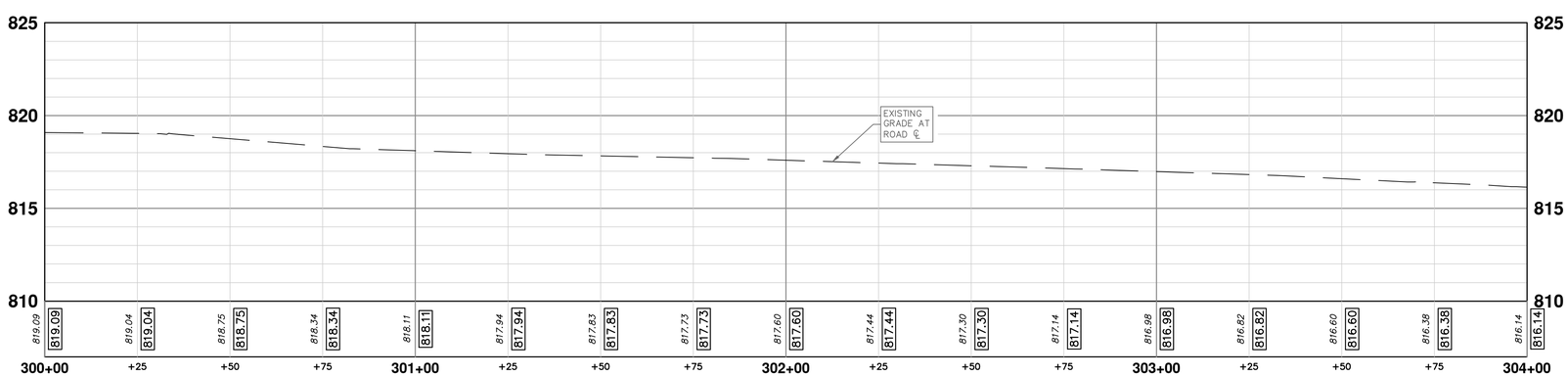
DRAWING No. 2022-031-73

SHEET No. 73 OF 167

P: \0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050NORWOOD_REM.dwg Dwg Created: 10-Dec-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25

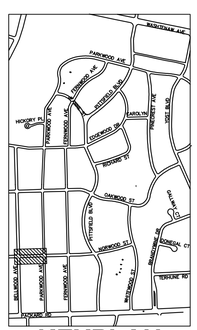
NORWOOD STREET





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

Know what's **below.** **Call before you dig.** 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

ROAD PLAN (STA 300+00 TO STA 304+00)

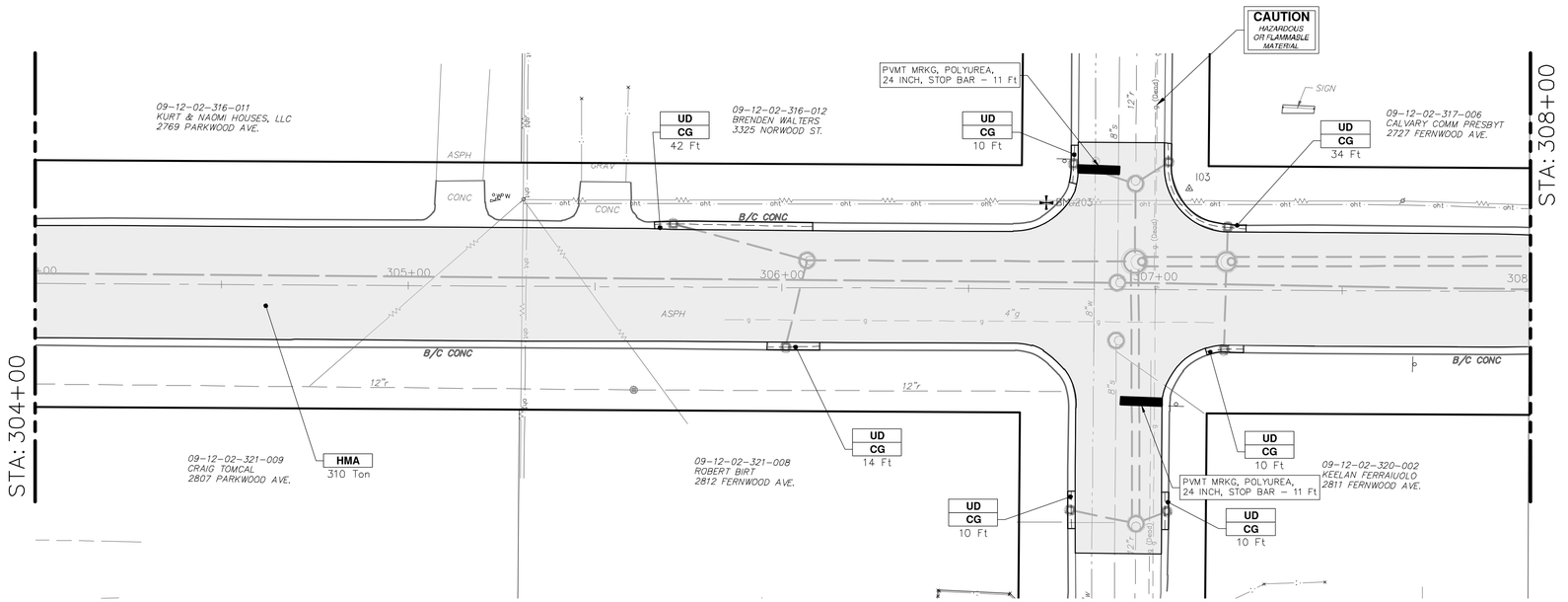
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-74

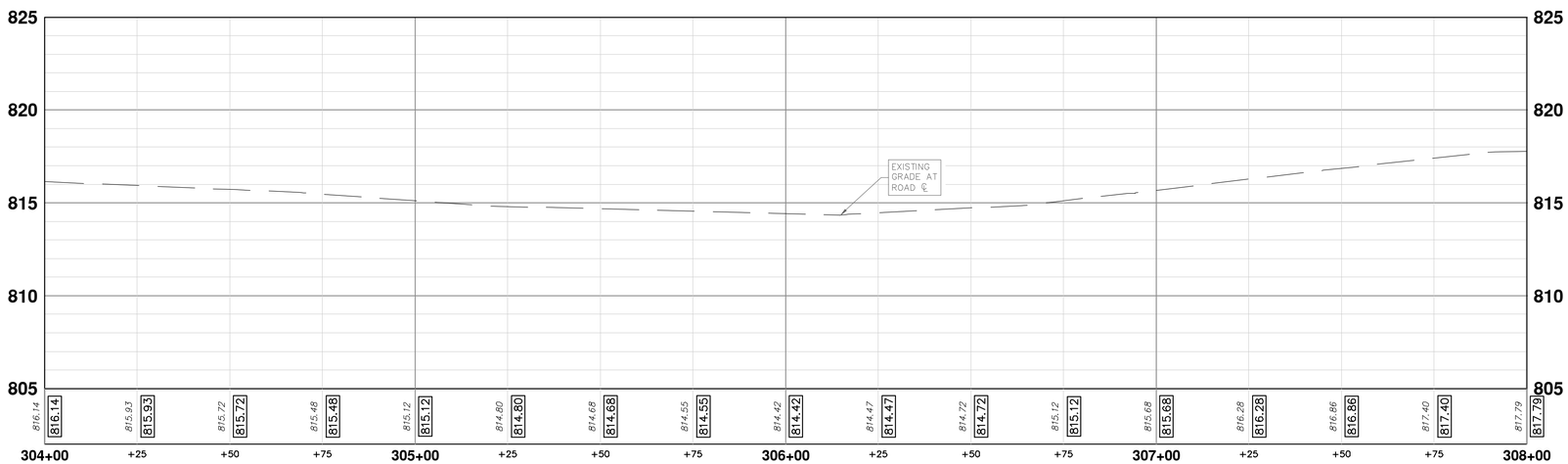
SHEET No. 74 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_CON.dwg Dwg Created: 20-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25

NORWOOD STREET

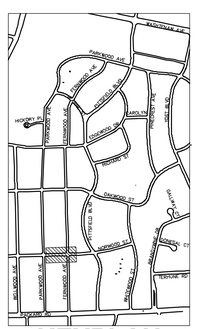


FERNWOOD AVE



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

ROAD PLAN (STA 304+00 TO STA 308+00)

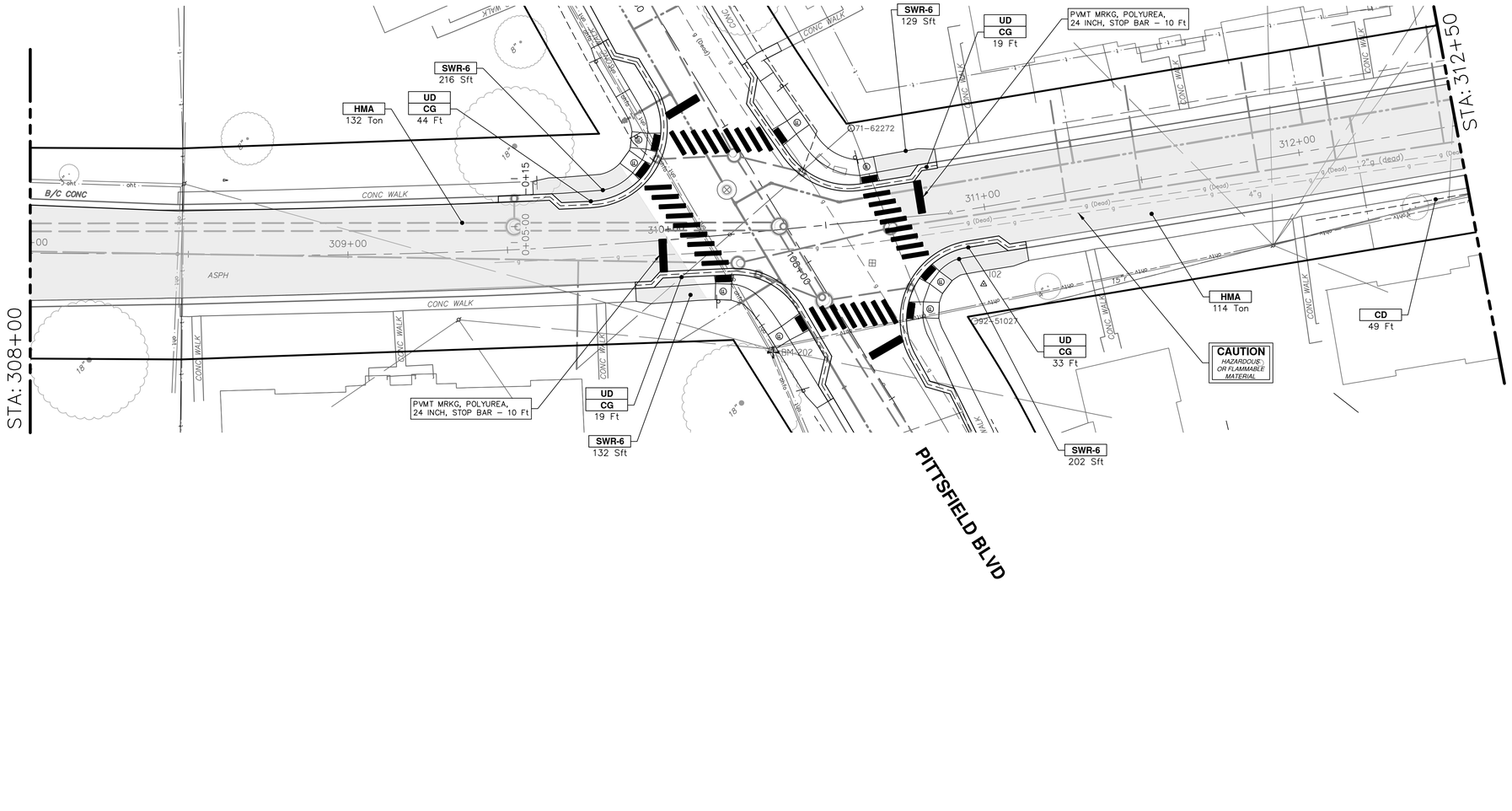
SCALE **PLAN: 1" = 20'** **PROFILE: 1" = 4'**

DRAWING No. **2022-031-75**

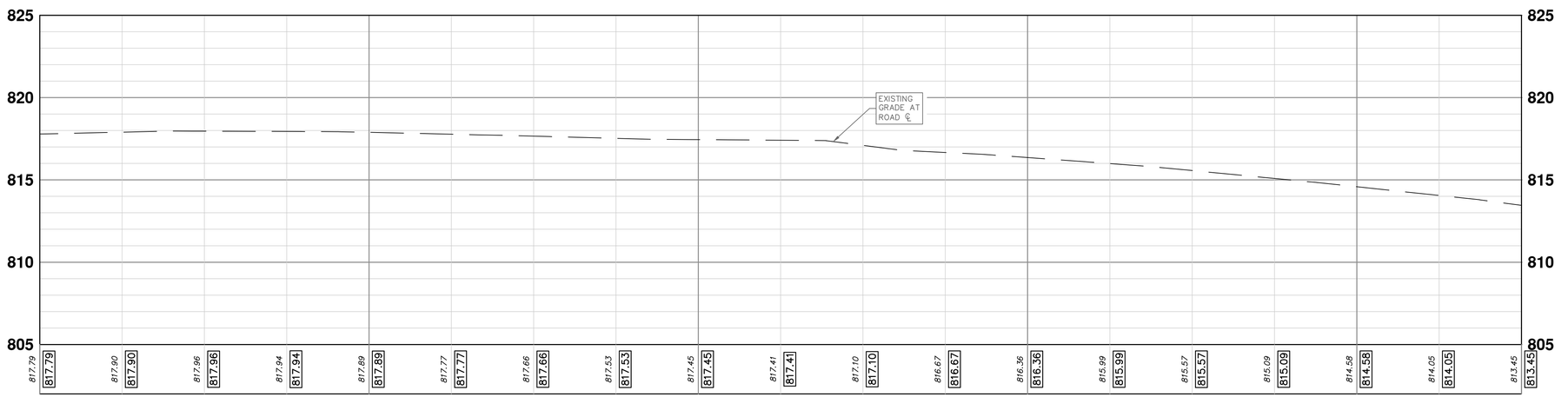
SHEET No. **75 OF 167**

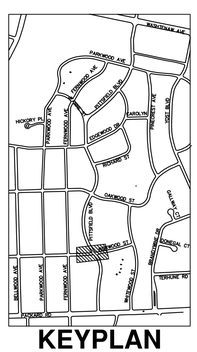
P:\0000_0100\00282300S0_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_CON.dwg Dwg Created: 20-Jan-25 – _a2 standard bw.stb – Plot Date: 24-Jan-25

NORWOOD STREET



CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

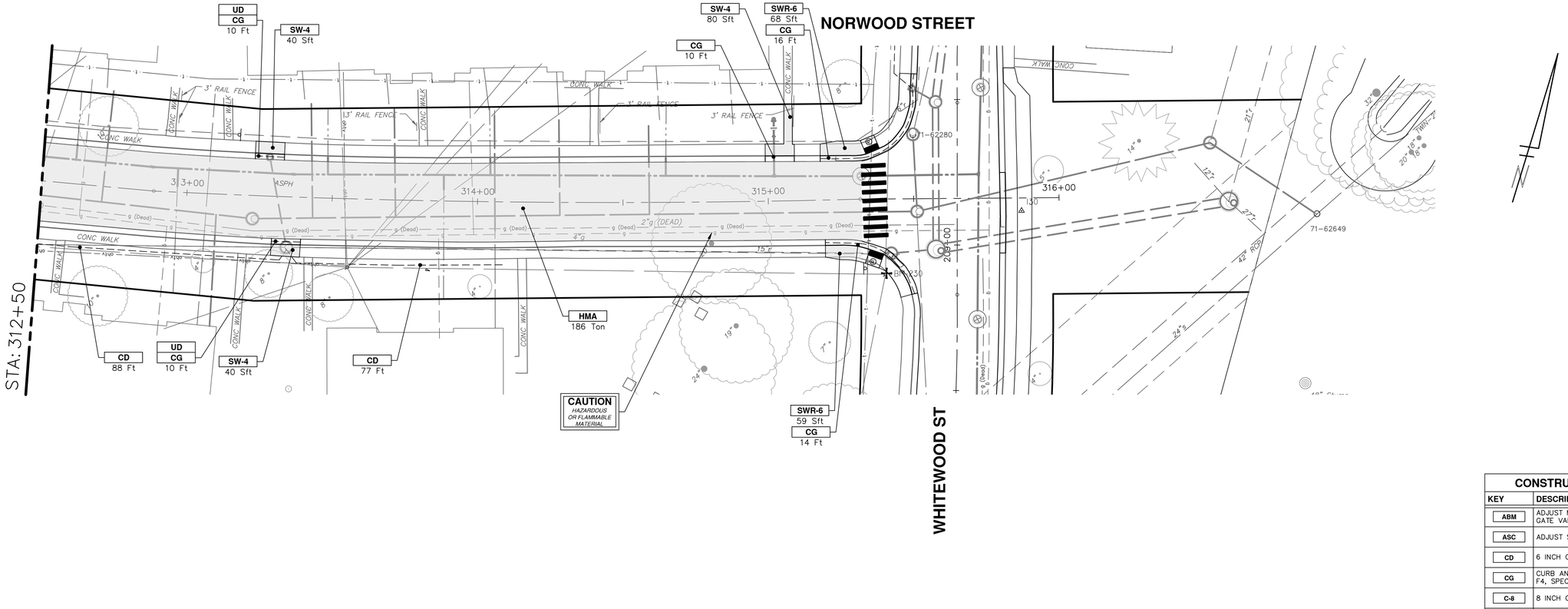
ROAD PLAN (STA 308+00 TO 312+50)

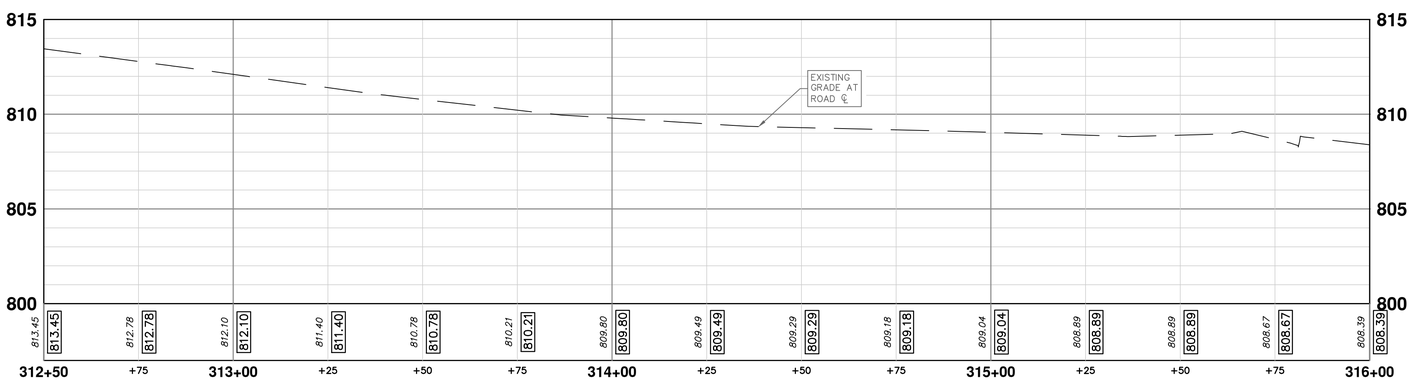
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-76

SHEET No. 76 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_CON.dwg Dwg Created: 20-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
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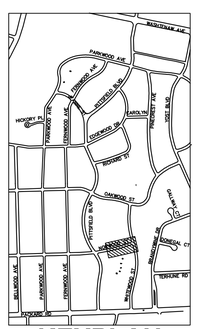
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

SHEET No. 77 OF 167

DRAWING No. 2022-031-77

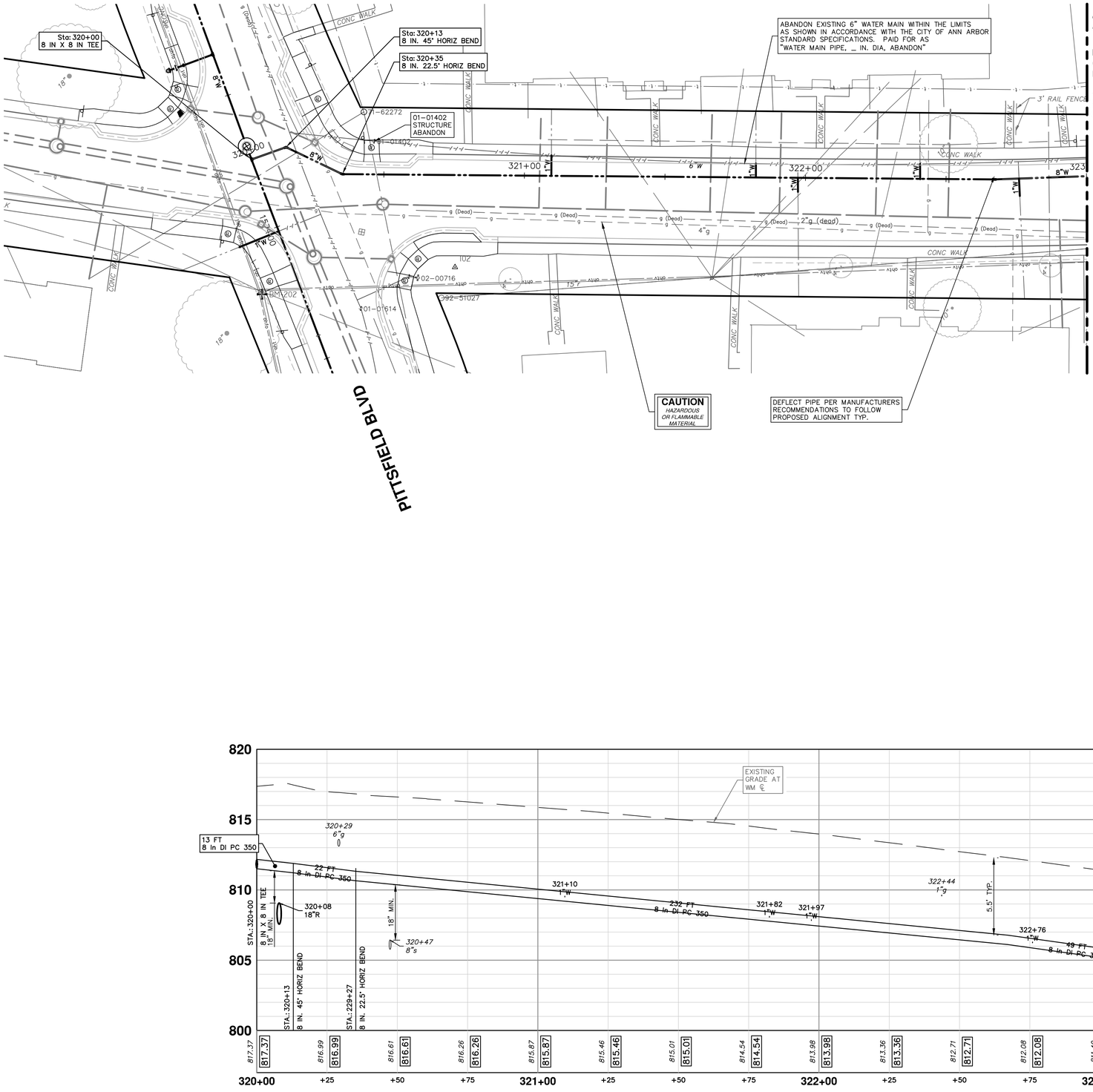
PITTSFIELD VILLAGE IMPROVEMENTS

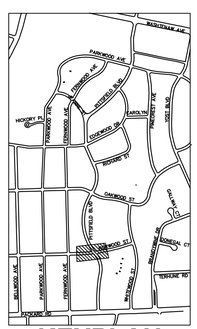
NORWOOD STREET

ROAD PLAN (STA 312+50 TO STA 316+00)

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_CON.dwg Dwg Created: 20-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25

NORWOOD STREET





WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

811 Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

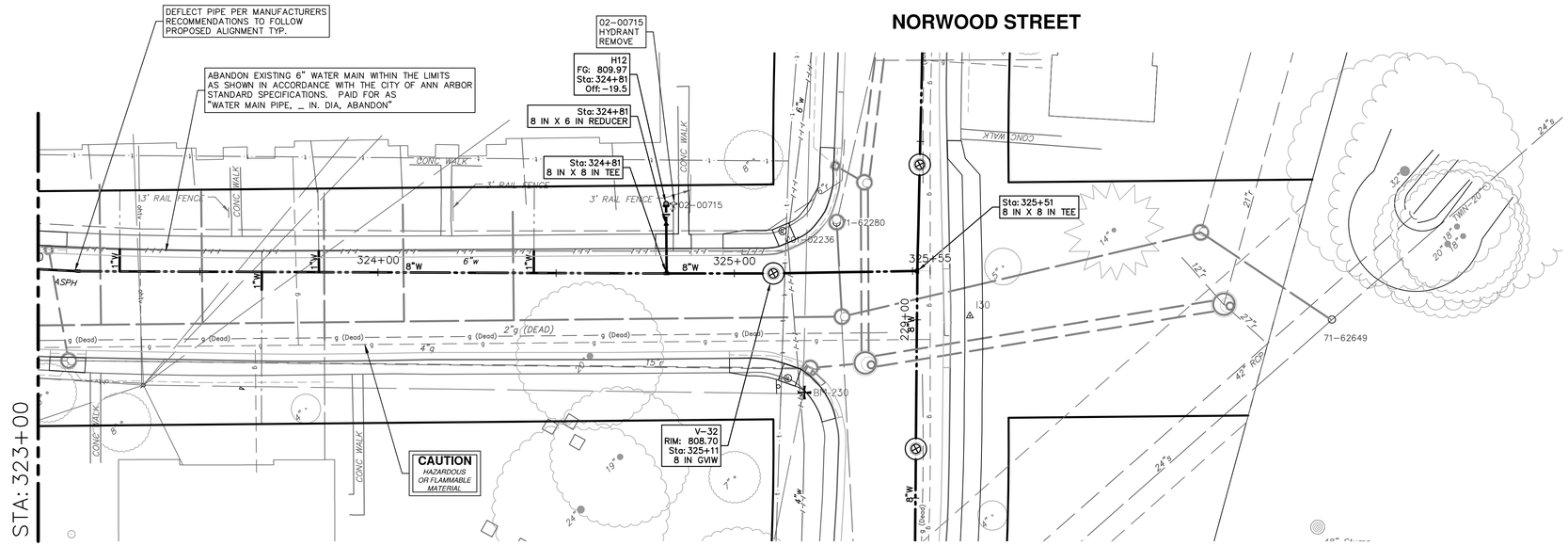
WATER MAIN PLAN (STA 320+00 TO STA 323+00)

SCALE PLAN: 1" = 20' | PROFILE: 1" = 4'

DRAWING No. 2022-031-78

SHEET No. 78 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_WM.dwg Dwg Created: 12-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25



WATER MAIN NOTES:
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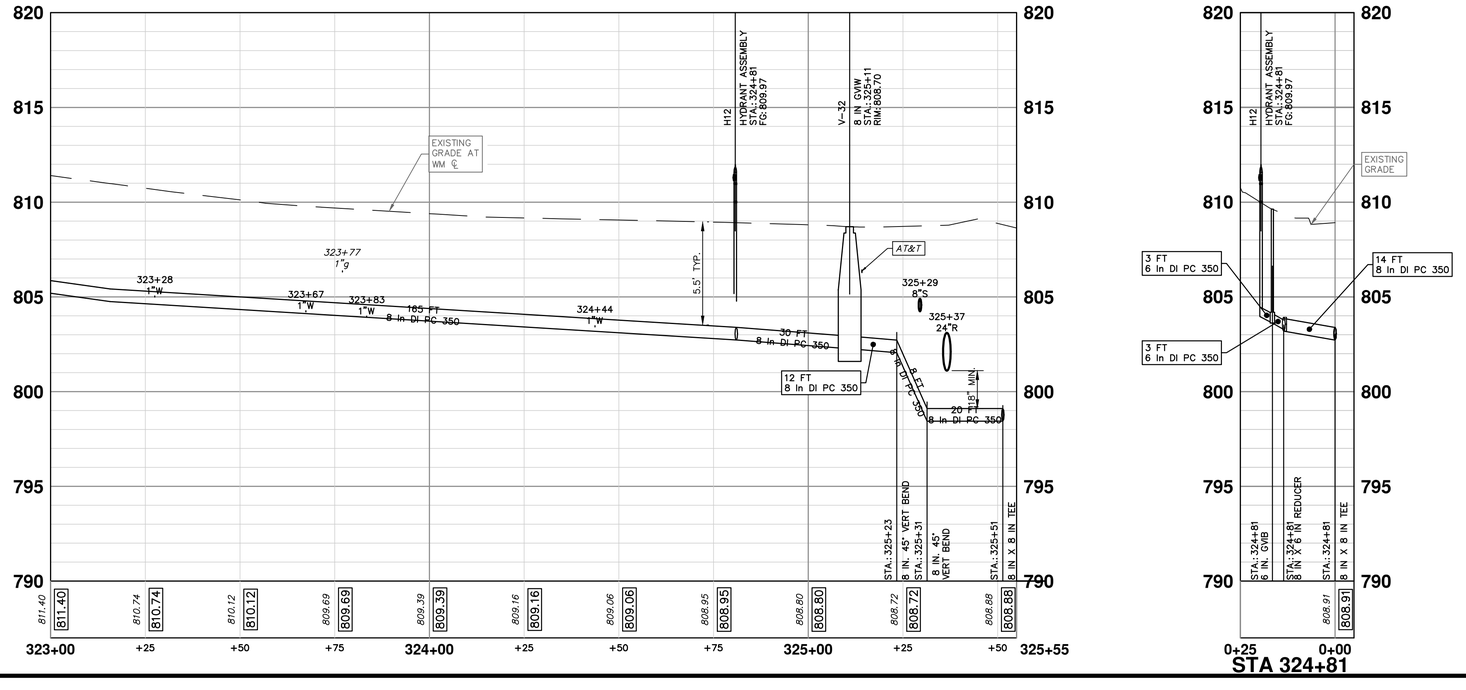
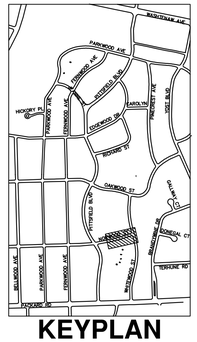
3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
H12	HYDRANT ASSEMBLY	324+81	809.97	6.04
V-32	8 in GVIW	325+11	808.70	6.44



H12

STA 324+81



KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

WATER MAIN PLAN (STA 323+00 TO STA 325+42)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-79

SHEET No. 79 OF 167

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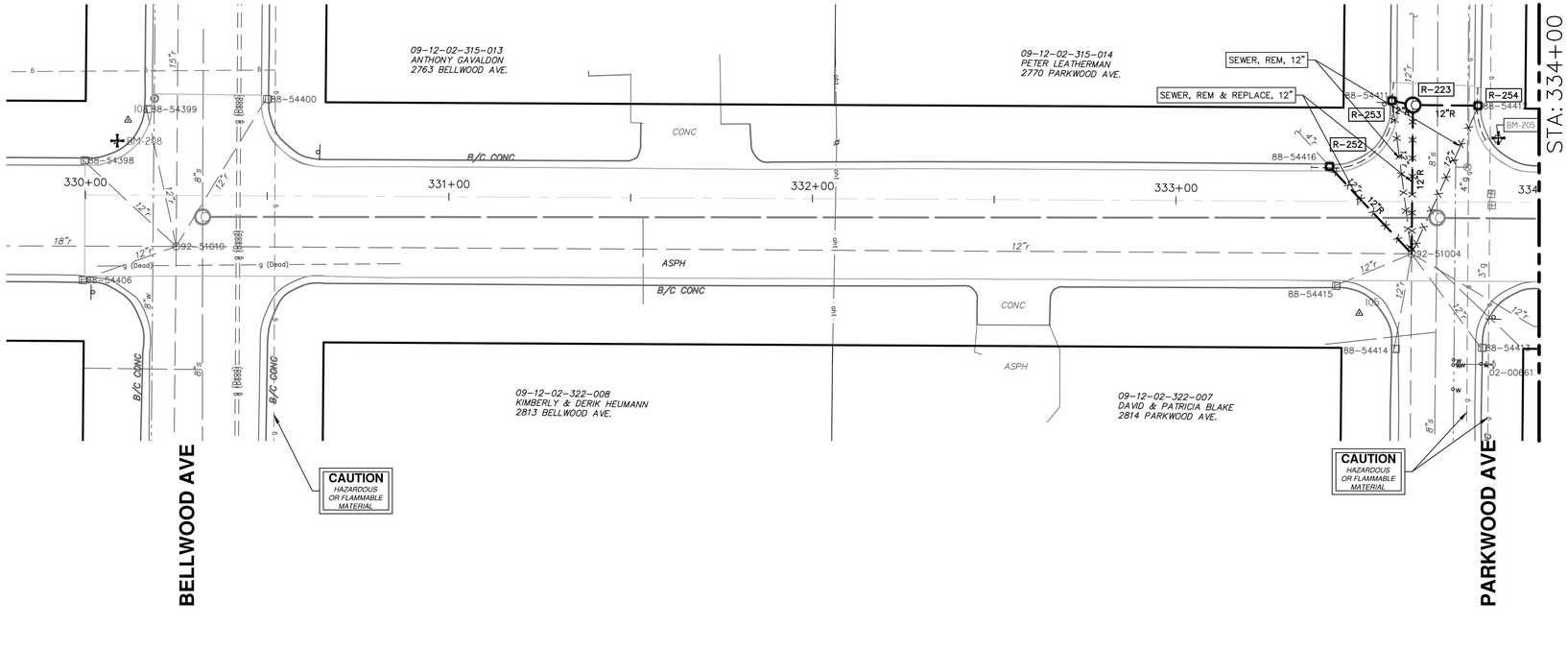
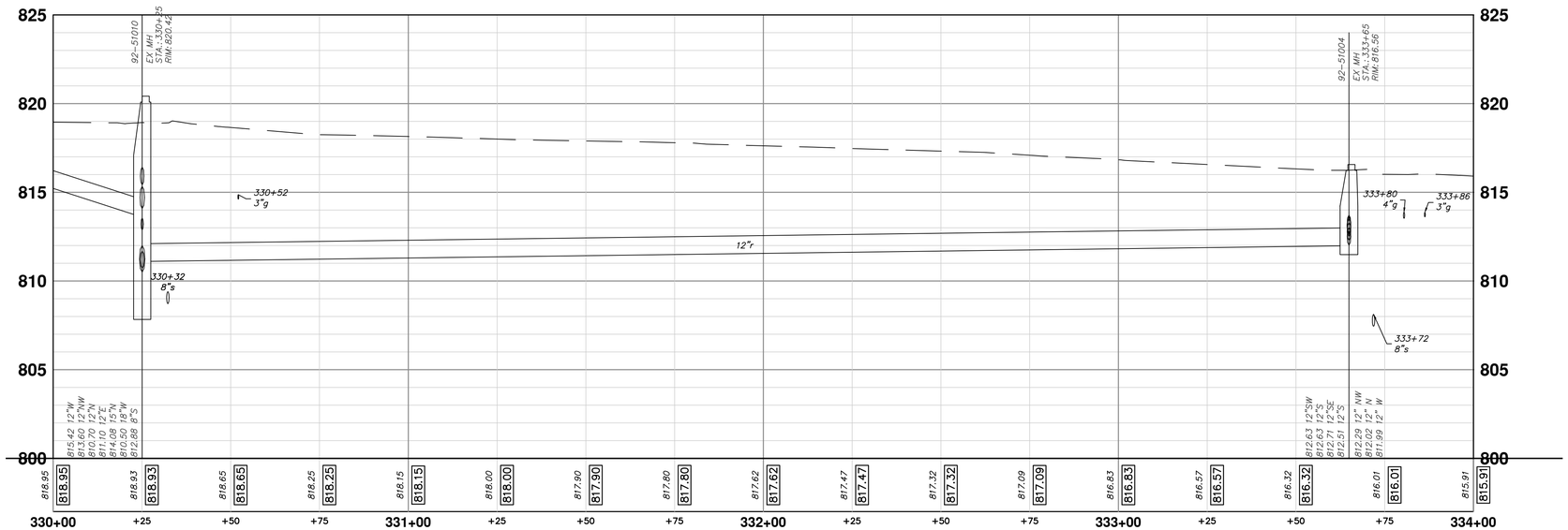
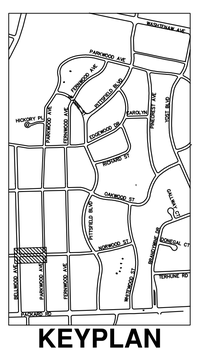
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_WM.dwg Dwg Created: 12-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

NORWOOD STREET



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92–51004	333+65	EX MH	816.56	12" NW 812.29 12" N 812.02 12" W 811.99 12" SW 812.63 12" S 812.63 12" SE 812.71 12" S 812.51	4.57	0'
R–223	333+65	4' MH	815.71	12" N 812.14 12" E 812.24 12" S 812.14 12" W 812.24	5.57	2'
R–252	333+42	2' Inlet	816.01	12" SE 812.20	5.81	2'
R–253	333+59	2' Inlet	815.34	12" E 812.34	5.00	2'
R–254	333+83	2' Inlet	815.34	12" W 812.44	4.90	2'





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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

STORM SEWER PLAN (STA 330+00 TO STA 334+00)

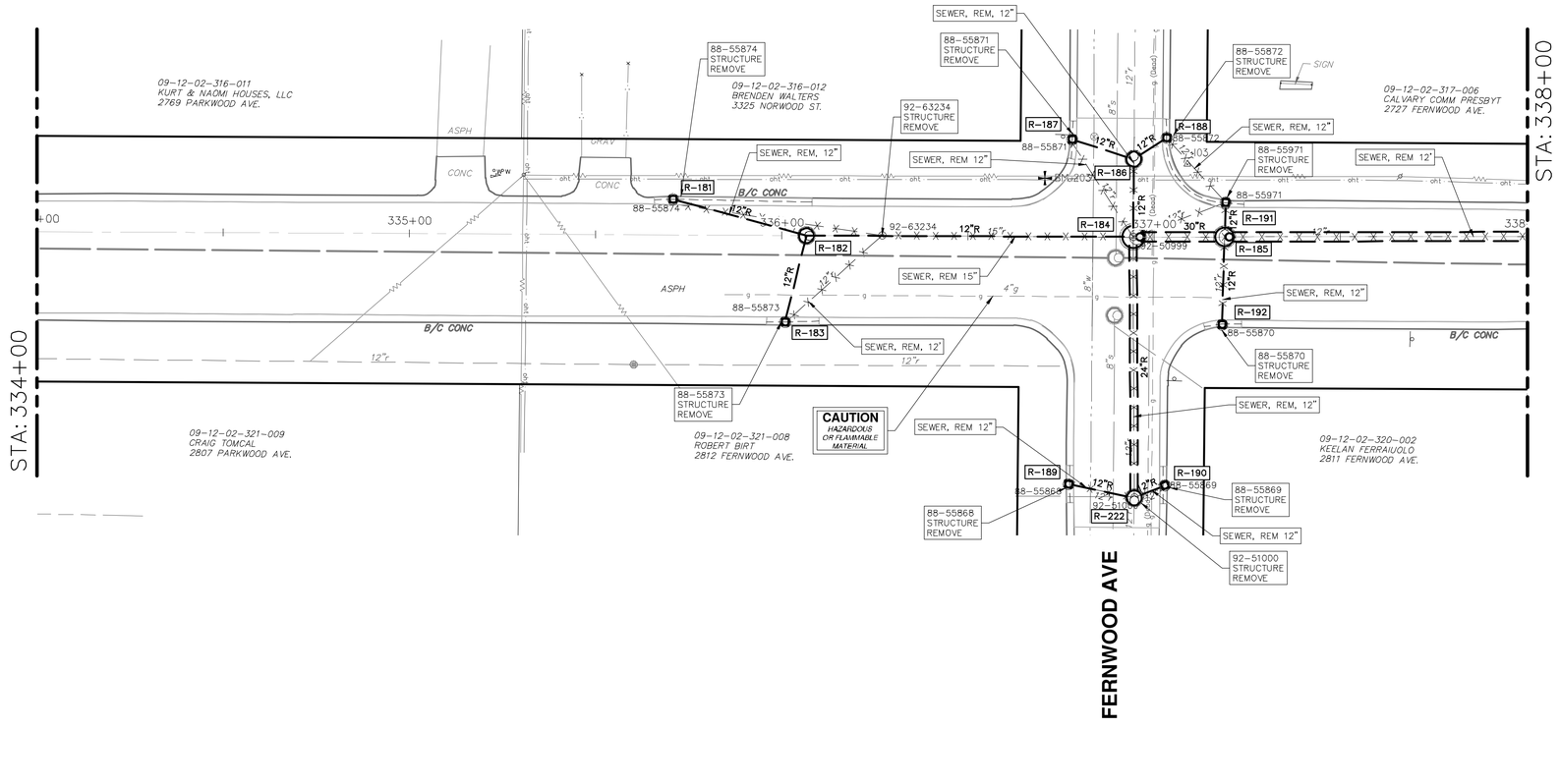
SCALE PLAN: 1" = 20' | PROFILE: 1" = x'

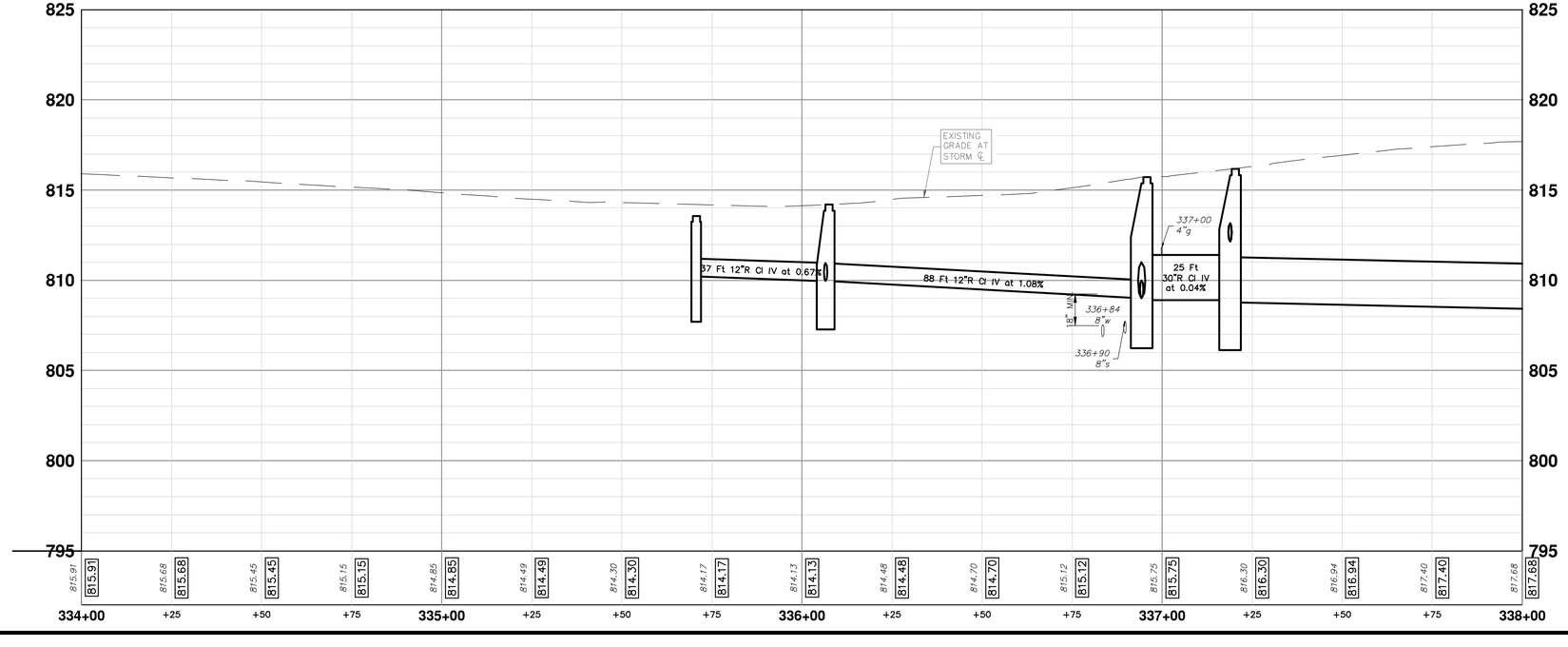
DRAWING No. 2022-031-80

SHEET No. 80 OF 167

P:\0000_0100\00282300S0_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_STM.dwg Dwg Created: 20-Jan-25 23-Jan-25 — _a2 standard bw.stb — Plot Date:

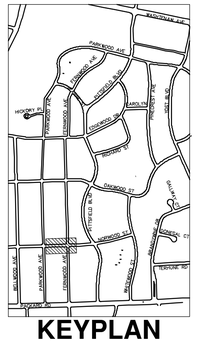
NORWOOD STREET





STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-181	335+71	2' Inlet	813.57	12" E 810.20	5.37	2'
R-182	336+07	4' MH	814.19	12" W 809.95 12" S 809.95 12" E 809.95	6.24	2'
R-183	336+01	2' Inlet	813.87	12" N 810.40	5.47	2'
R-184	336+94	6' MH	815.72	12" W 809.00 24" S 809.00 30" E 808.90 12" N 809.00	8.82	2'
R-185	337+19	5' MH	816.16	30" W 808.89 12" N 812.16 12" S 812.16 30" E 808.79	9.37	2'
R-186	336+95	4' MH	815.71	12" S 809.77 12" W 811.75 12" NE 811.75 12" N 809.87	7.94	2'
R-187	336+78	2' Inlet	815.48	12" E 811.95	5.53	2'
R-188	337+03	2' Inlet	815.32	12" SW 811.95	5.37	2'
R-189	336+77	2' Inlet	814.00	12" E 810.00	6.00	2'
R-190	337+03	2' Inlet	813.69	12" SW 810.50	5.19	2'
R-191	337+19	2' Inlet	816.06	12" S 812.30	5.76	2'
R-192	337+18	2' Inlet	814.97	12" N 812.30	4.67	2'
R-222	336+95	4' MH	814.18	24" N 809.20 12" W 809.65 12" NE 810.00 12" S 809.26	4.98	0'



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

STORM SEWER PLAN (STA 334+00 TO STA 338+00)

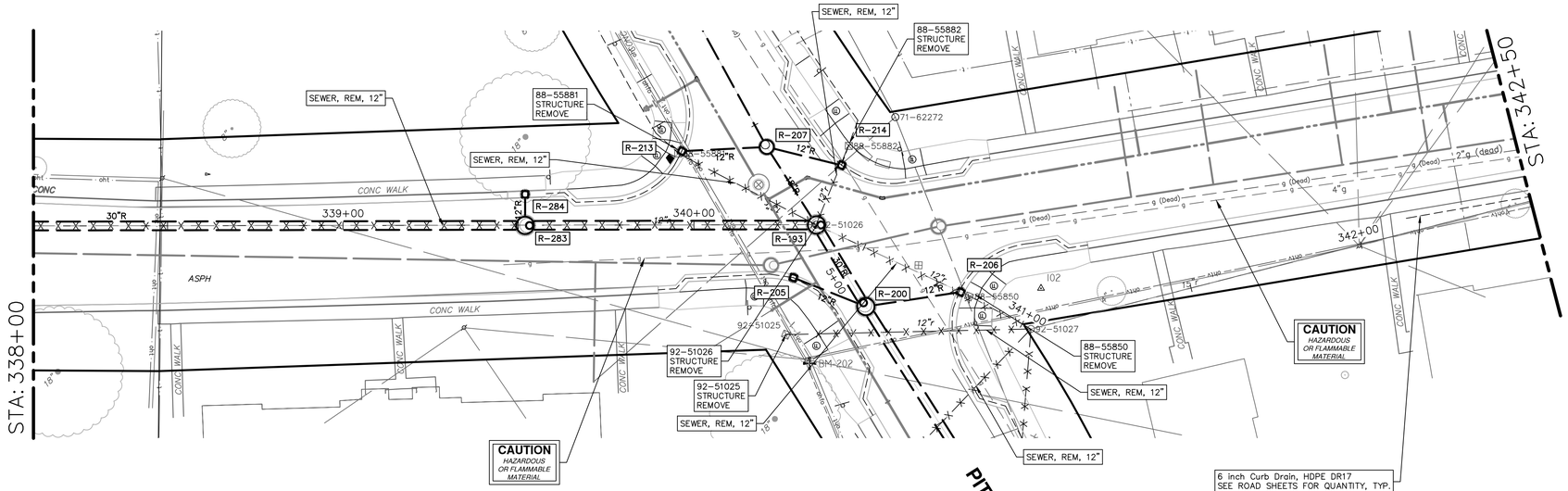
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-81

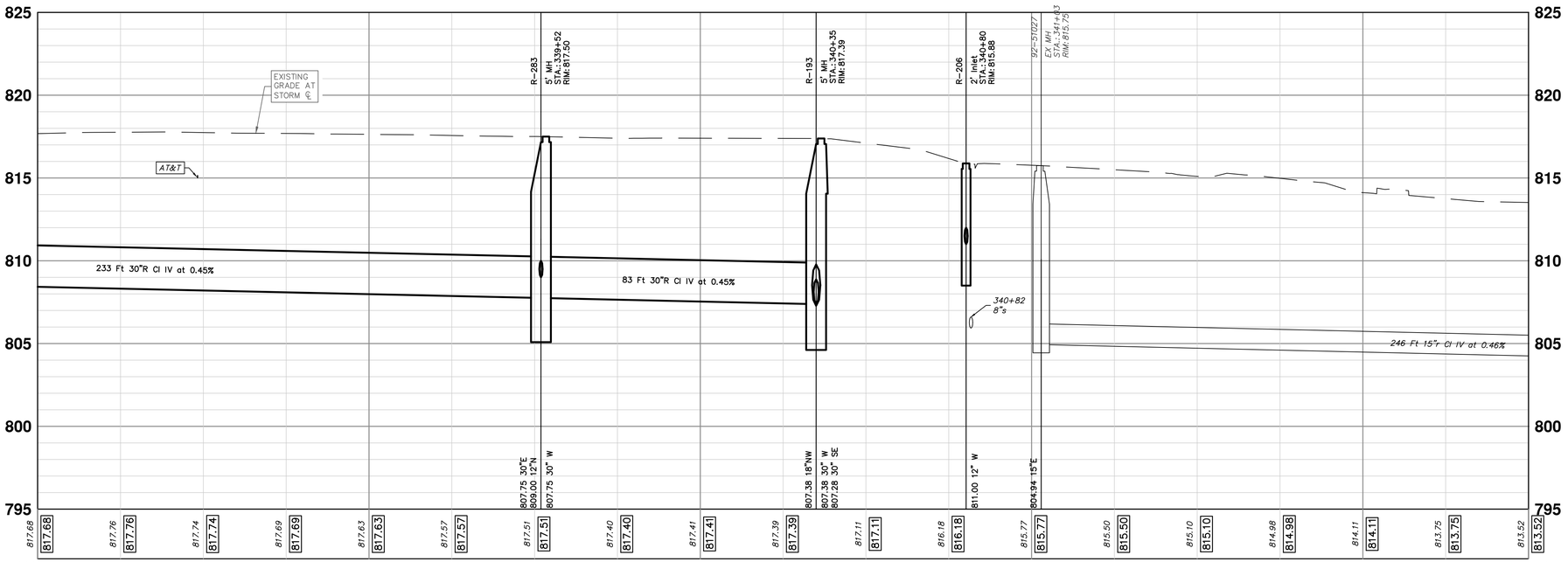
SHEET No. 81 OF 167

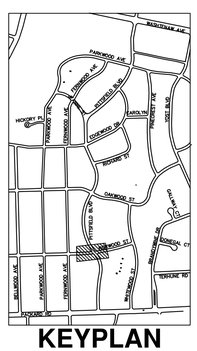
P:\0000_D100\D028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_STM.dwg Dwg Created: 20-Jan-25 — _a2 standard bw.stb — Plot Date: 24-Jan-25

NORWOOD STREET



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92–51027	341+03	EX MH	815.75	15" E 804.94	10.81	0'
R–193	340+35	5' MH	817.39	30" W 807.38 30" SE 807.28 18" NW 807.38	12.11	2'
R–200	4+89	5' MH	816.91	30" SE 806.90 30" NW 807.00 12" E 810.50 12" W 812.00	12.01	2'
R–205	5+07	2' Inlet	817.00	12" E 812.40	6.60	2'
R–206	340+80	2' Inlet	815.88	12" W 811.00	6.88	2'
R–207	5+43	4' MH	817.64	18" SE 807.75 15" NW 807.85 12" W 813.00 12" E 813.50	11.89	2'
R–213	5+54	2' Inlet	817.22	12" E 813.23	5.99	2'
R–214	5+27	2' Inlet	816.90	12" W 813.77	5.13	2'
R–283	339+52	5' MH	817.50	30" W 807.75 30" E 807.75 12" N 809.00	11.75	2'
R–284	339+52	2' Inlet	817.28	12" S 809.09	10.19	2'





811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

STORM SEWER PLAN (STA 338+00 TO STA 342+50)

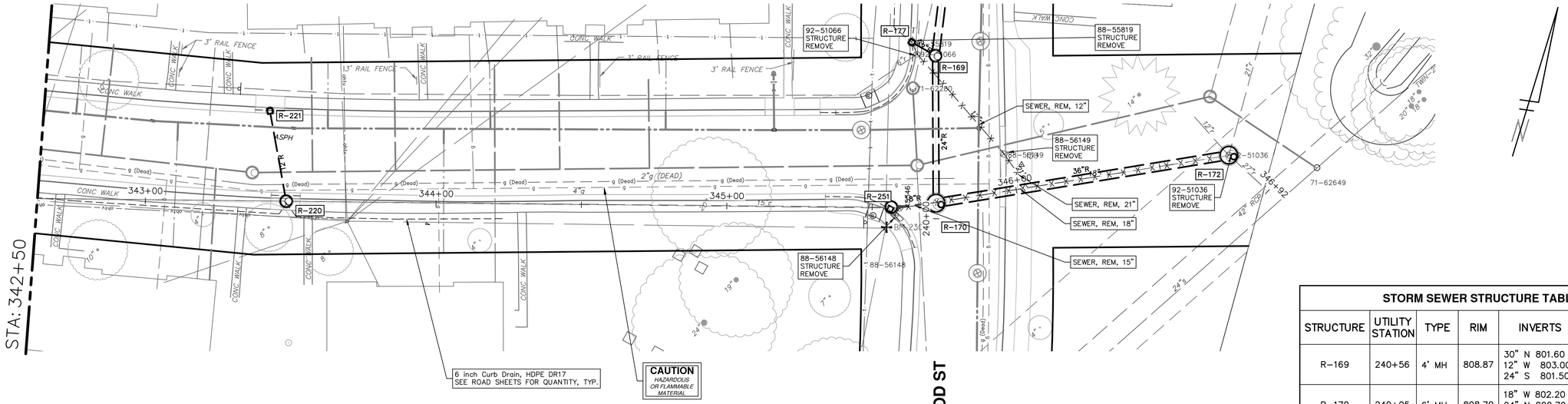
SCALE PLAN: 1" = 20' | PROFILE: 1" = 4'

DRAWING No. 2022-031-82

SHEET No. 82 OF 167

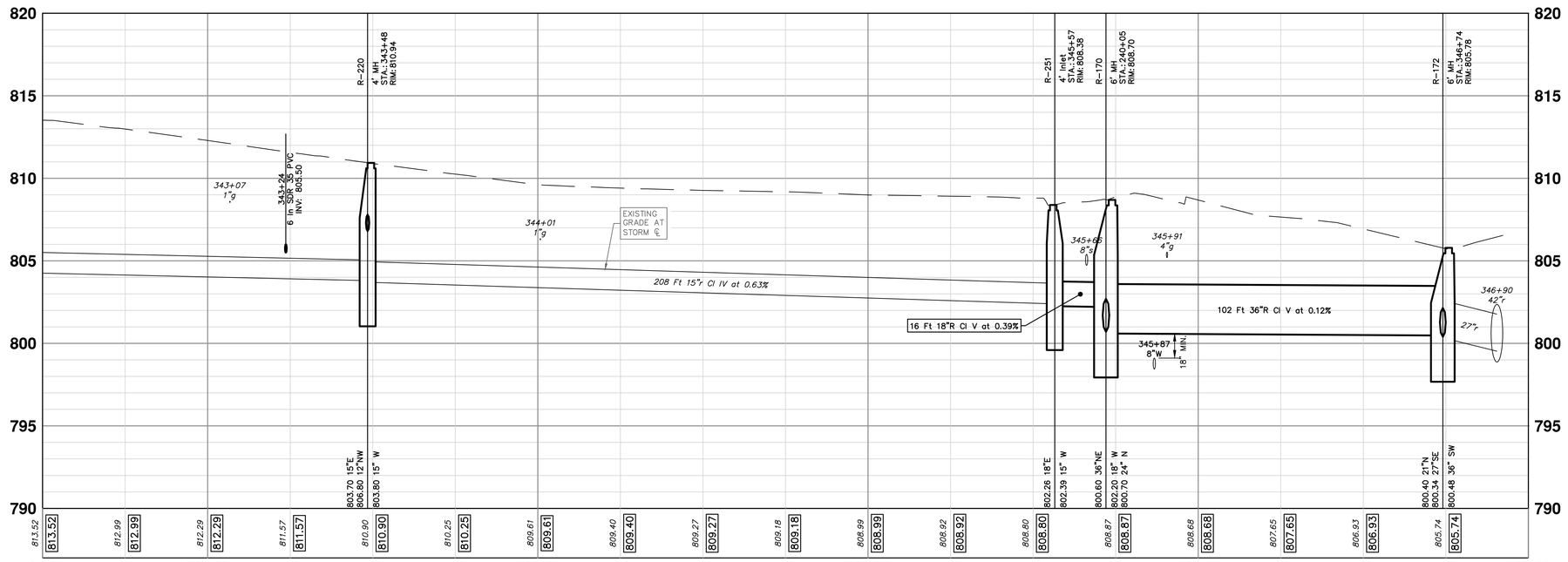
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\23005ONRWOOD_STM.dwg Dwg Created: 20-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25

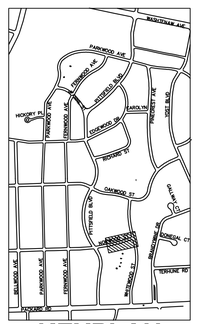
NORWOOD STREET



WHITEWOOD ST

STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-169	240+56	4' MH	808.87	30" N 801.60 12" W 803.00 24" S 801.50	9.37	2'
R-170	240+05	6' MH	808.70	18" W 802.20 24" N 800.70 36" NE 800.60	10.10	2'
R-172	346+74	6' MH	805.78	36" SW 800.48 21" N 800.40 27" SE 800.34	7.44	2'
R-177	240+60	2' Inlet	808.27	12" E 803.50	6.77	2'
R-220	343+48	4' MH	810.94	15" W 803.80 15" E 803.70 12" NW 806.80	9.24	2'
R-221	343+42	2' Inlet	811.11	12" SE 807.00	6.11	2'
R-251	345+57	4' Inlet	808.38	15" W 802.39 18" E 802.26	8.12	2'





KEYPLAN

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_STM.dwg Dwg Created: 20-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

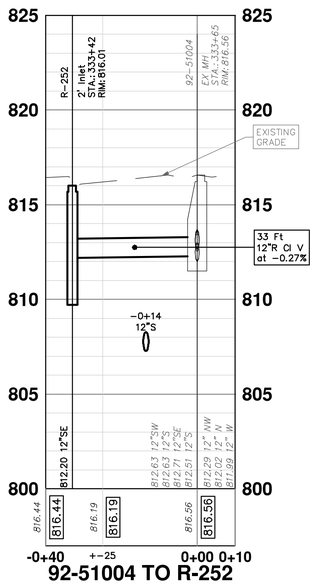
STORM SEWER PLAN (STA 342+50 TO STA 346+92)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

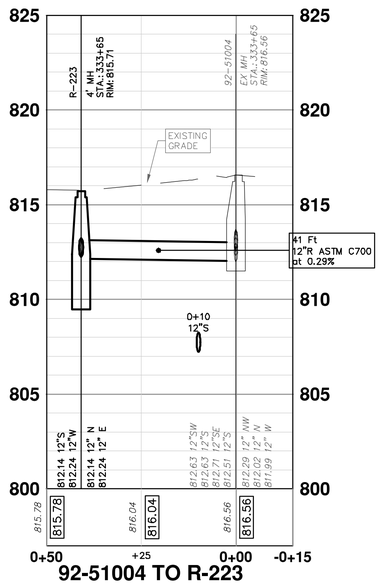
DRAWING No. 2022-031-83

SHEET No. 83 OF 167

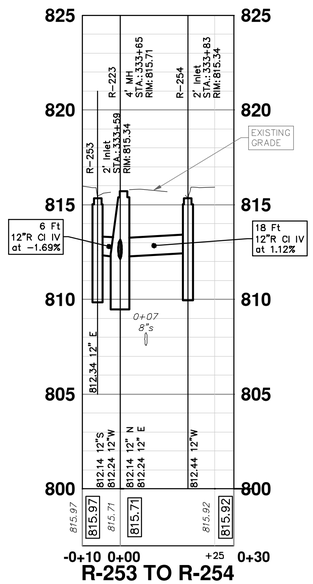
R-252 92-51004 R-223 R-283 R-220



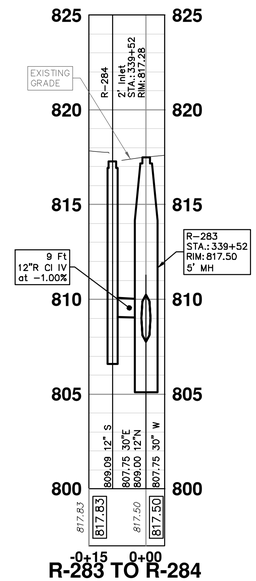
92-51004 TO R-252
@ STA 333+42



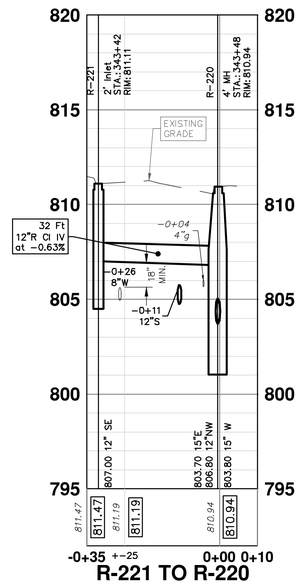
92-51004 TO R-223
@ STA 333+95



R-253 TO R-254
@ STA 333+65

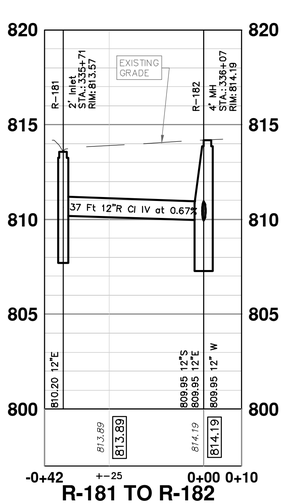


R-283 TO R-284
@ STA 339+52

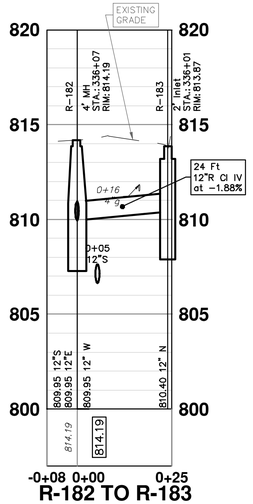


R-221 TO R-220
@ STA 343+48

R-181 R-183 R-222 R-186 R-185 R-184



R-181 TO R-182
@ STA 336+07



R-182 TO R-183
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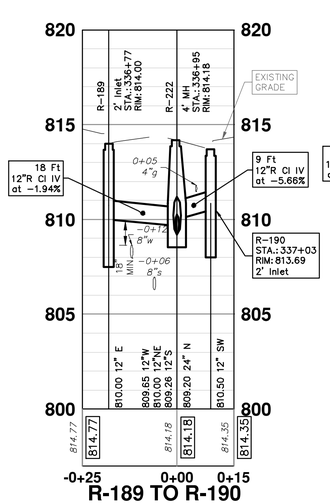
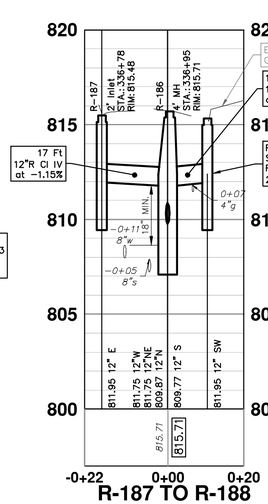
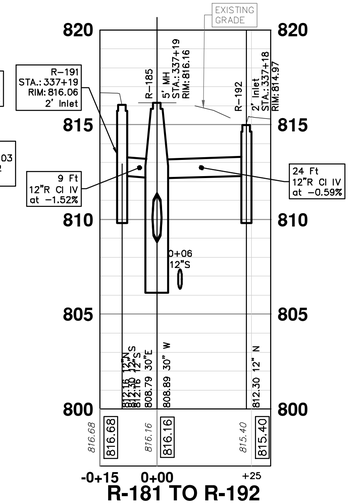


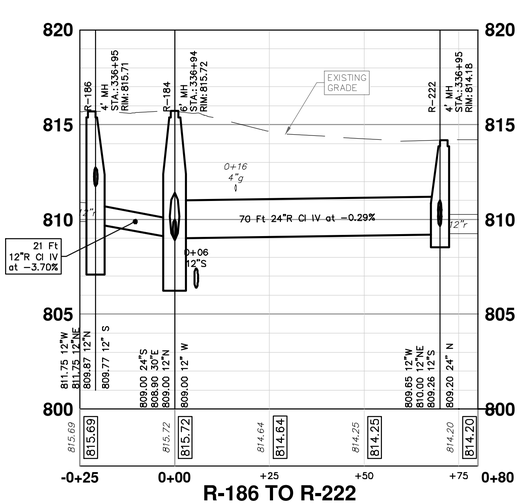
R-189 TO R-190
@ STA 336+95



R-187 TO R-188
@ STA 336+95



R-181 TO R-192
@ STA 337+19



R-186 TO R-222
@ STA 336+94

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS
NORWOOD STREET
STORM SEWER INLET CONNECTION PROFILES

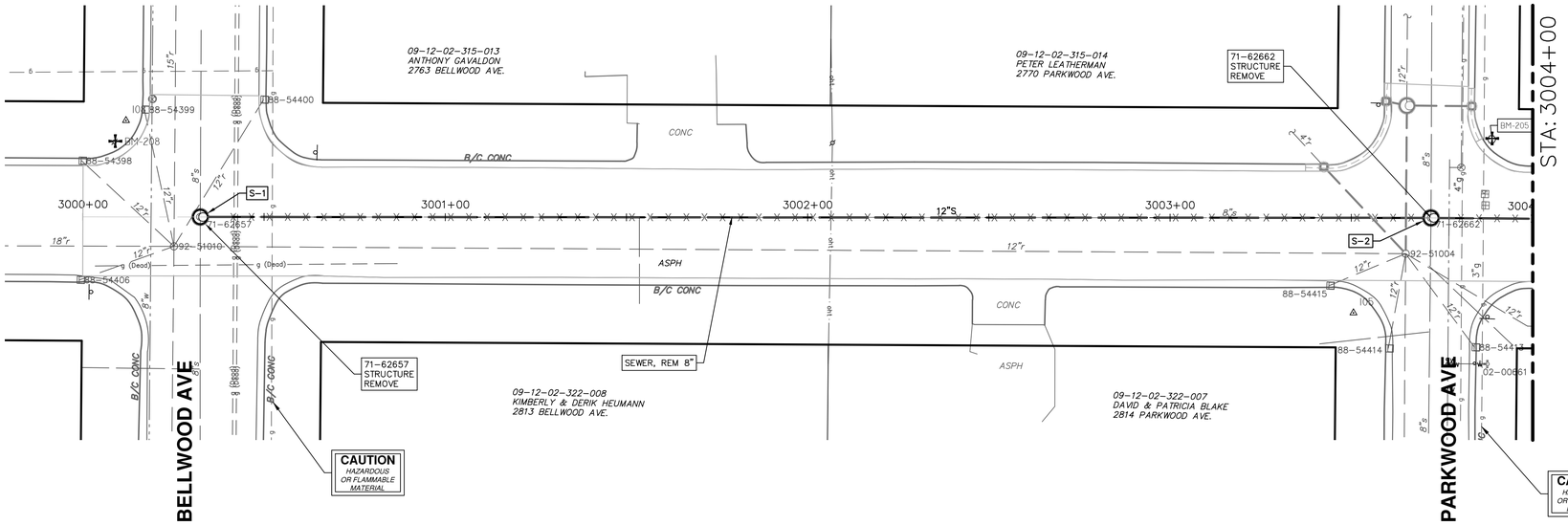
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-84

SHEET No. 84 OF 167

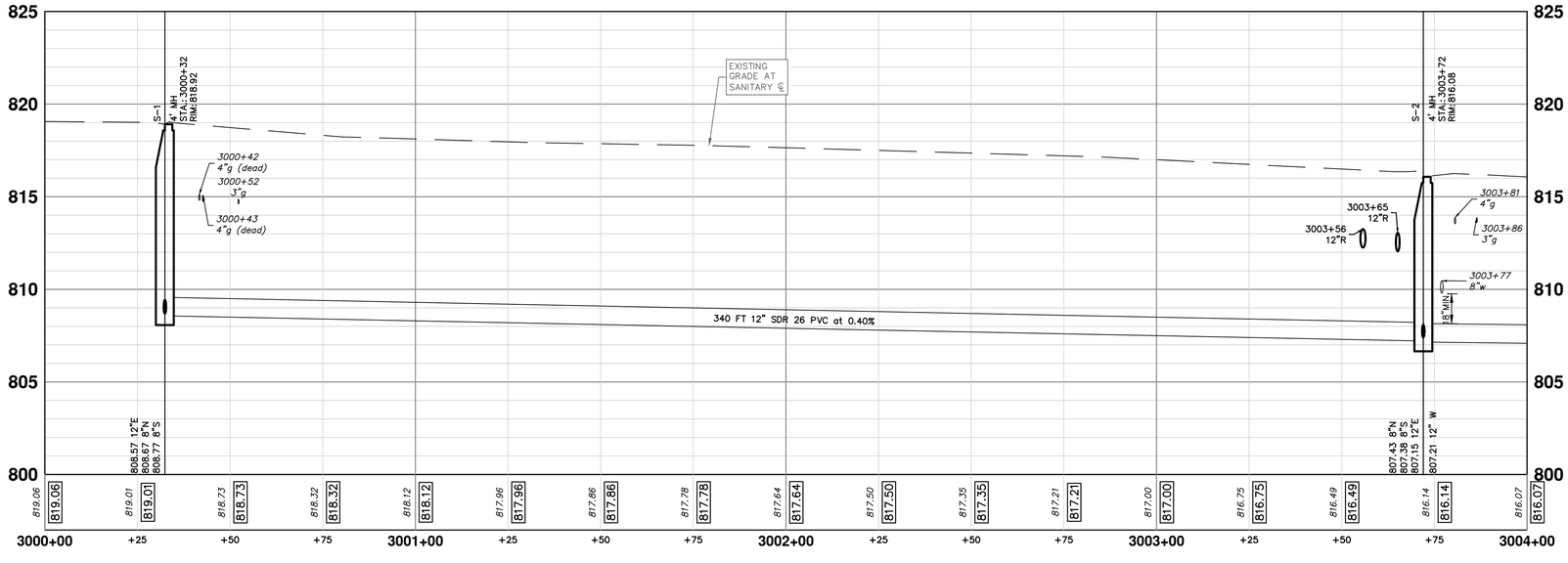
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_STM.dwg Dwg Created: 20-Jan-25 - _o2 standard bw.stb - Plot Date: 24-Jan-25

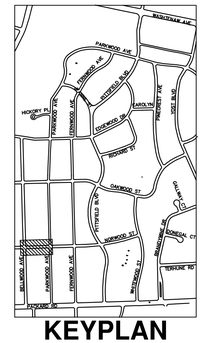
NORWOOD STREET



SANITARY SEWER STRUCTURE TABLE

STRUCTURE	STATION	RIM	DEPTH	DIA.	TYPE	INVERTS	NOTES
S-1	3000+32	818.92	10.35	48	4' MH	12" E 808.57 8" N 808.67 8" S 808.77	4' MH
S-2	3003+72	816.08	8.92	48	4' MH	12" W 807.21 8" N 807.43 8" S 807.38 12" E 807.15	4' MH





KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

SANITARY SEWER PLAN (STA 3000+00 TO STA 3004+00)

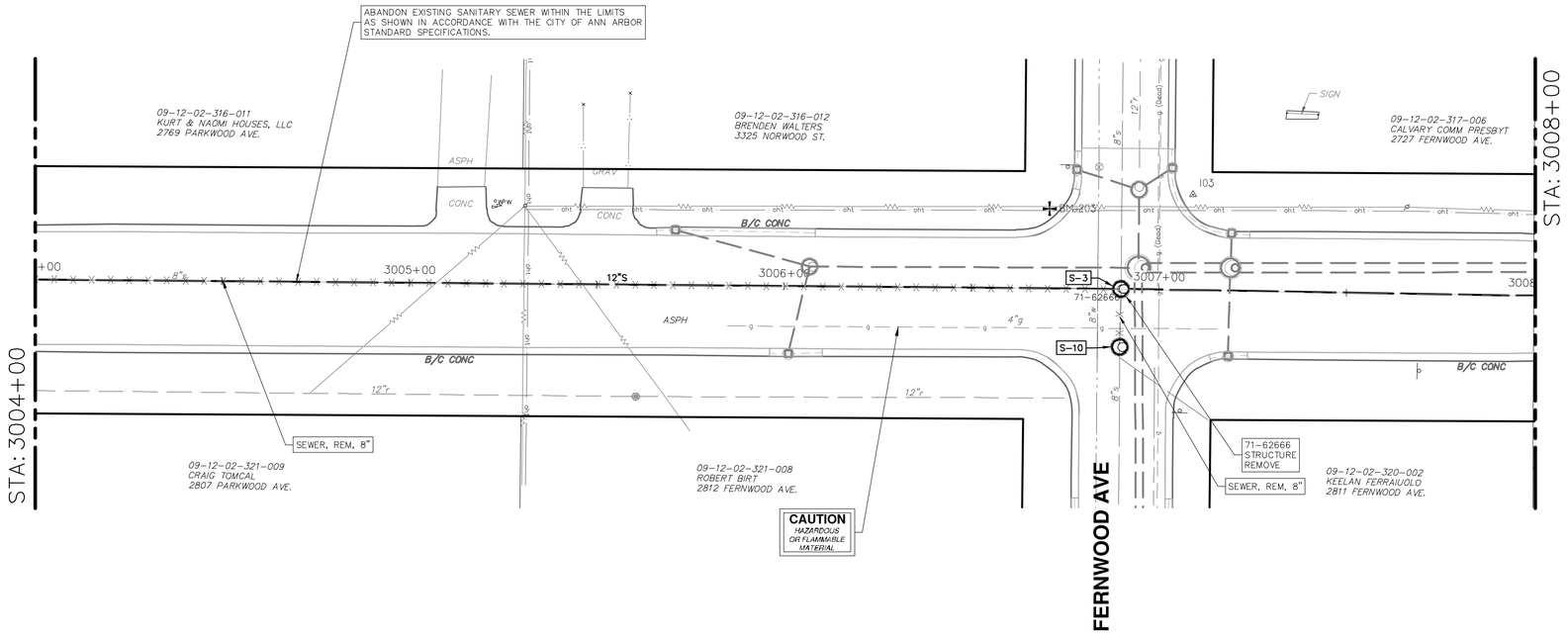
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-85

SHEET No. 85 OF 167

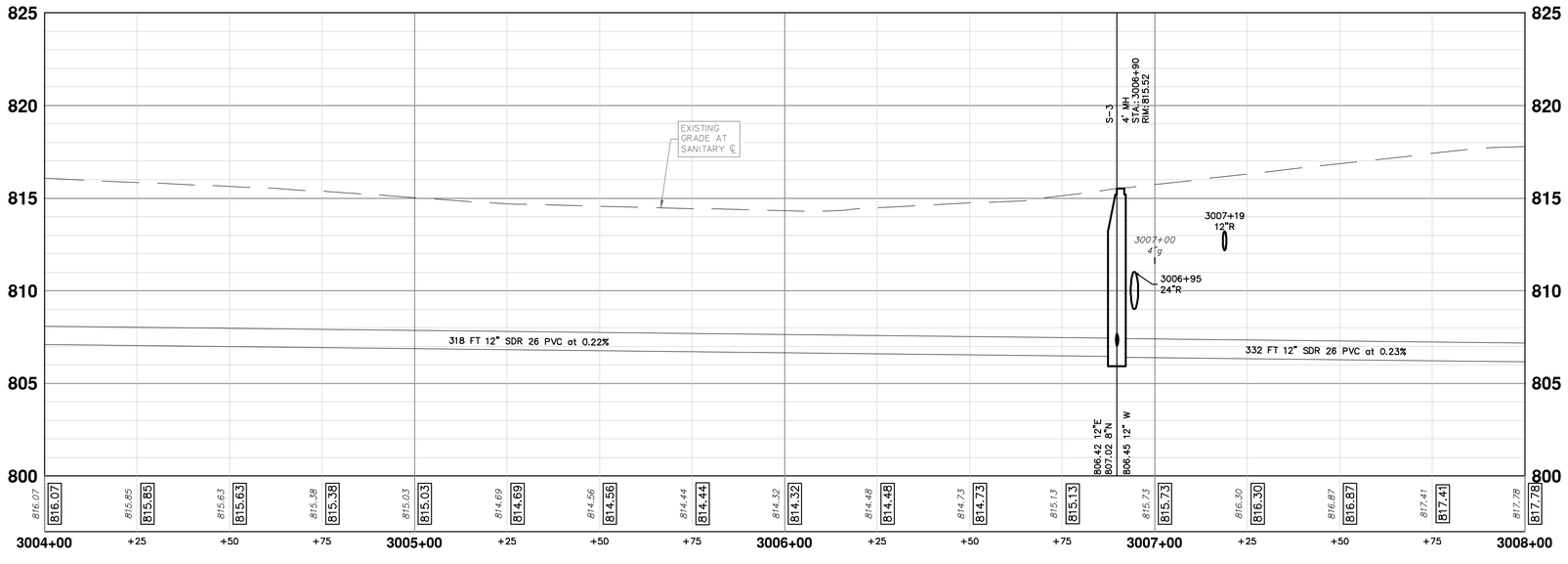
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_SAN.dwg Dwg Created: 20-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25

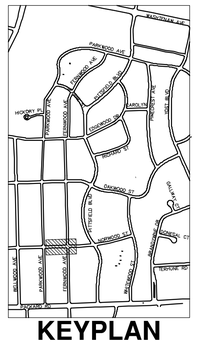
NORWOOD STREET



SANITARY SEWER STRUCTURE TABLE

STRUCTURE	STATION	RIM	DEPTH	DIA.	TYPE	INVERTS	NOTES
S-3	3006+90	815.52	9.10	48	4' MH	12" W 806.45 12" E 806.42 8" N 807.02	4' MH
S-10	3006+90	814.79	8.05	48	4' MH	8" S 806.73	4' MH





811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

SANITARY SEWER PLAN (STA 3004+00 TO 3008+00)

SCALE 1" = 20'

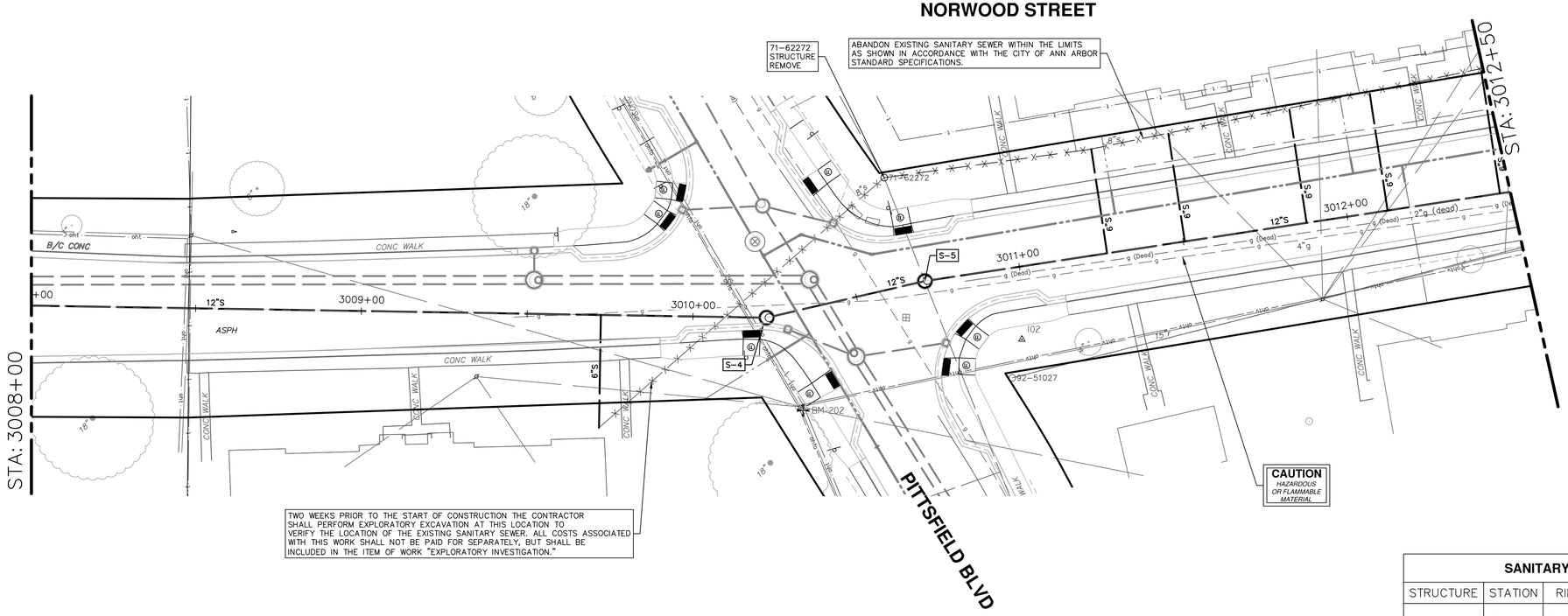
PROFILE 1" = 4'

DRAWING No. 2022-031-86

SHEET No. 86 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_SAN.dwg Dwg Created: 20-Jan-25 — _a2 standard bw.stb — Plot Date: 24-Jan-25

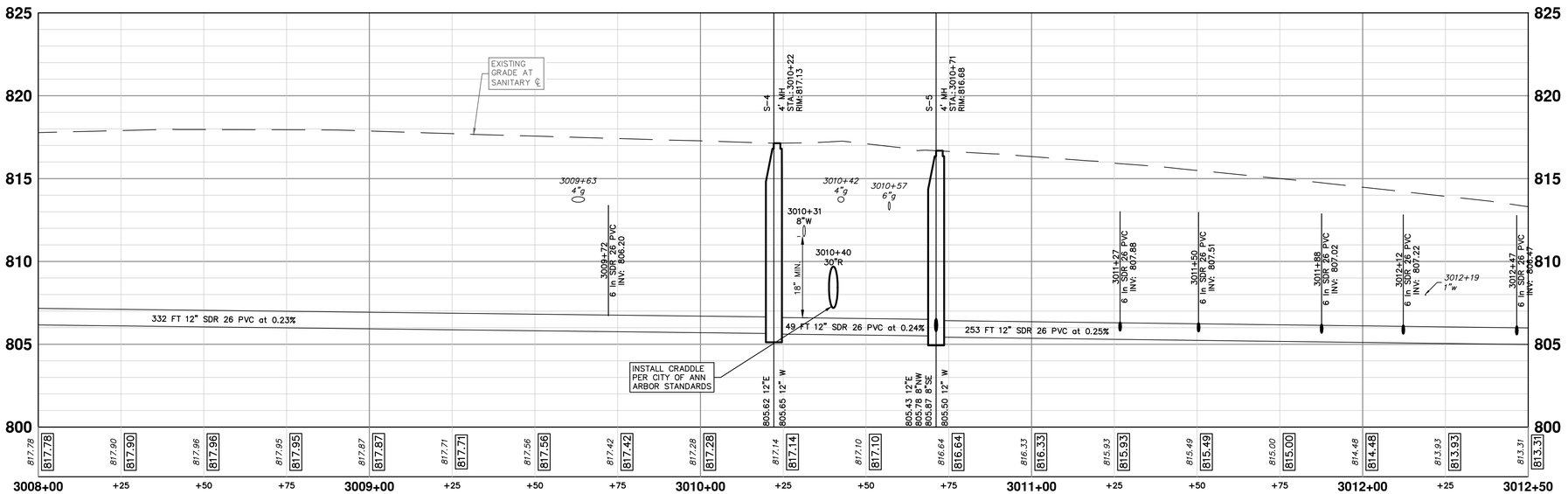
NORWOOD STREET

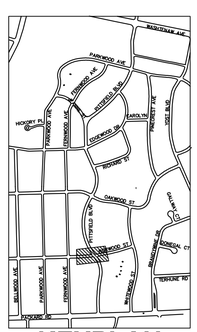


TWO WEEKS PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATION AT THIS LOCATION TO VERIFY THE LOCATION OF THE EXISTING SANITARY SEWER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEM OF WORK "EXPLORATORY INVESTIGATION."

SANITARY SEWER STRUCTURE TABLE

STRUCTURE	STATION	RIM	DEPTH	DIA.	TYPE	INVERTS	NOTES
S-4	3010+22	817.13	11.51	48	4' MH	12" W 805.65 12" E 805.62	4' MH
S-5	3010+71	816.68	11.25	48	4' MH	12" W 805.50 12" E 805.43 8" NW 805.78 8" SE 805.87	4' MH





KEYPLAN

NO	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2		1-22-2025	SM	CE
00	BID SET		12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

SANITARY SEWER PLAN (STA 3008+00 TO STA 3012+50)

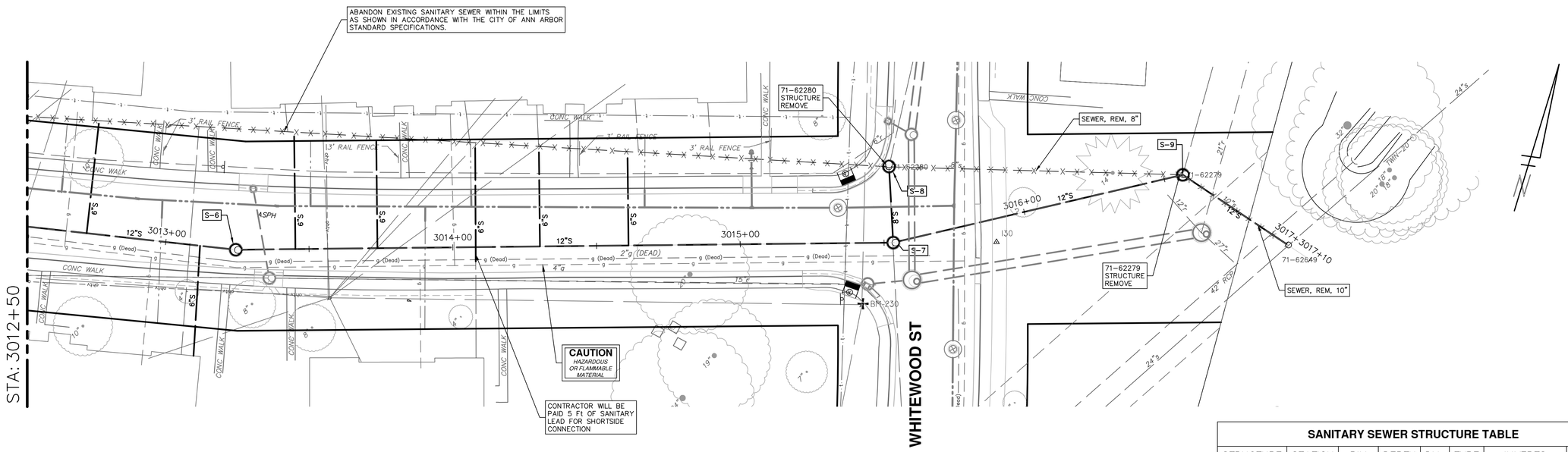
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-87

SHEET No. 87 OF 167

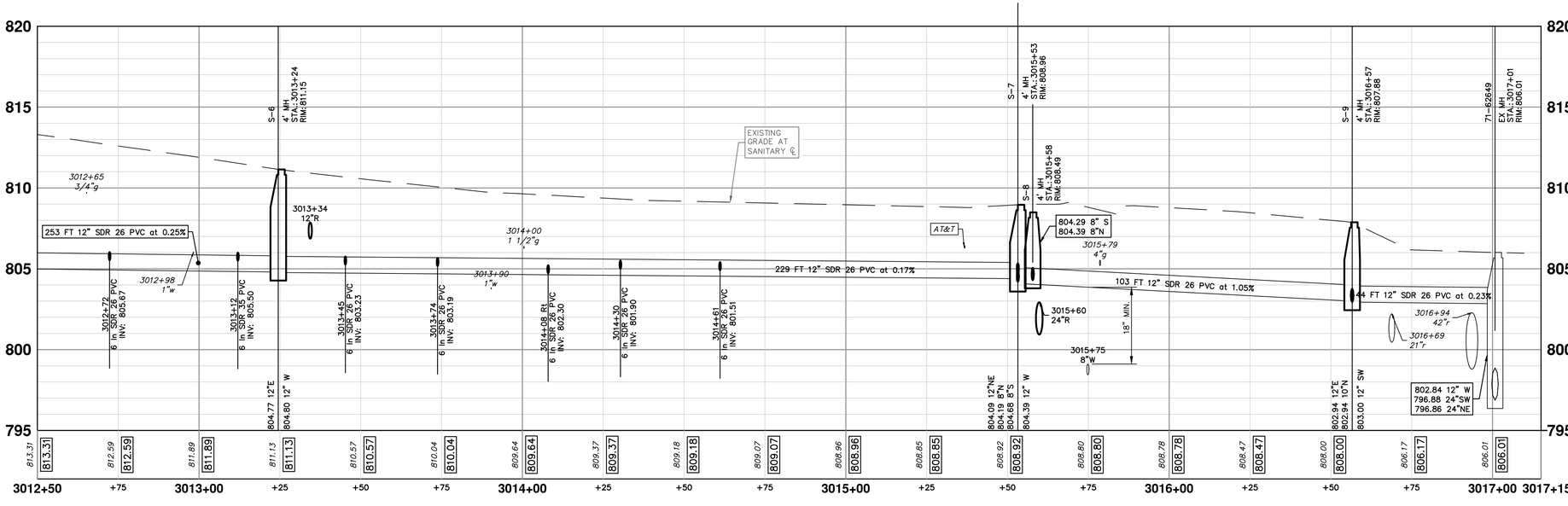
P:\0000_0100\00028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_SAN.dwg Dwg Created: 20-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25

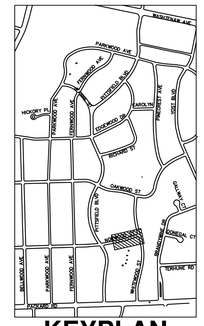
NORWOOD STREET



SANITARY SEWER STRUCTURE TABLE

STRUCTURE	STATION	RIM	DEPTH	DIA.	TYPE	INVERTS	NOTES
S-6	3013+24	811.15	6.38	48	4' MH	12" W 804.80 12" E 804.77	4' MH
S-7	3015+53	808.96	4.87	48	4' MH	12" W 804.39 12" NE 804.09 8" N 804.19 8" S 804.68	4' MH
S-8	3015+58	808.49	4.20	48	4' MH	8" S 804.29 8" N 804.39	4' MH
S-9	3016+57	807.88	4.94	48	4' MH	12" SW 803.00 12" E 802.94 10" N 802.94	4' MH
71-62649	3017+01	806.01	9.15	48	4' MH	12" W 802.84 24" SW 796.88 24" NE 796.86	EX MH





P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_SAN.dwg Dwg Created: 20-Jan-25 - Plot Date: 23-Jan-25

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00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

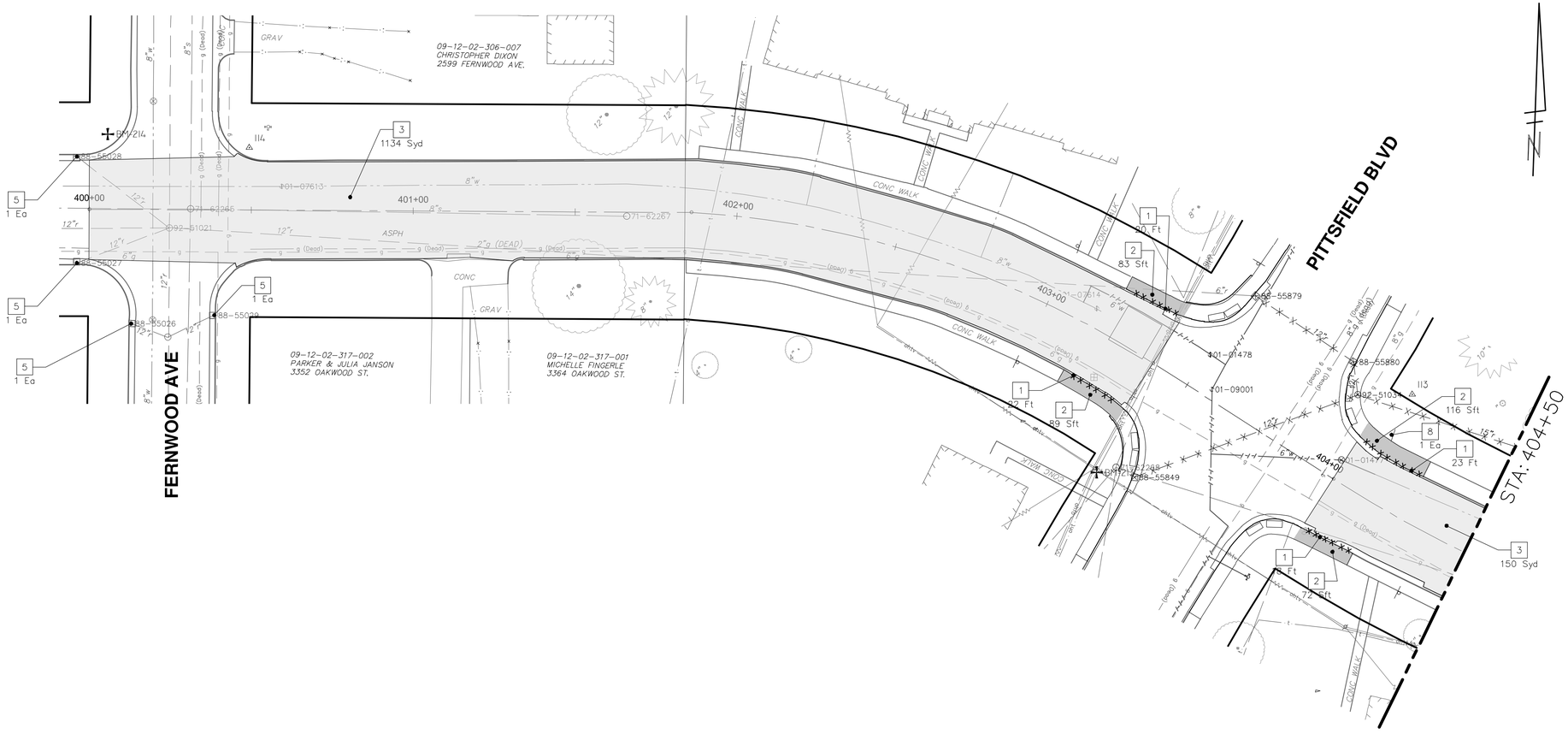
SANITARY SEWER PLAN (STA 3012+50 TO STA 3017+10)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-88

SHEET No. 88 OF 167

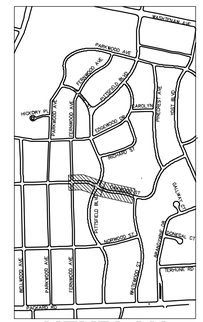
OAKWOOD STREET



REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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01	ADDENDUM #2	1-22-2025	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

REMOVAL PLAN (STA 400+00 TO STA 408+50)

SCALE: PLAN: ####### PROFILE: 1" = x'

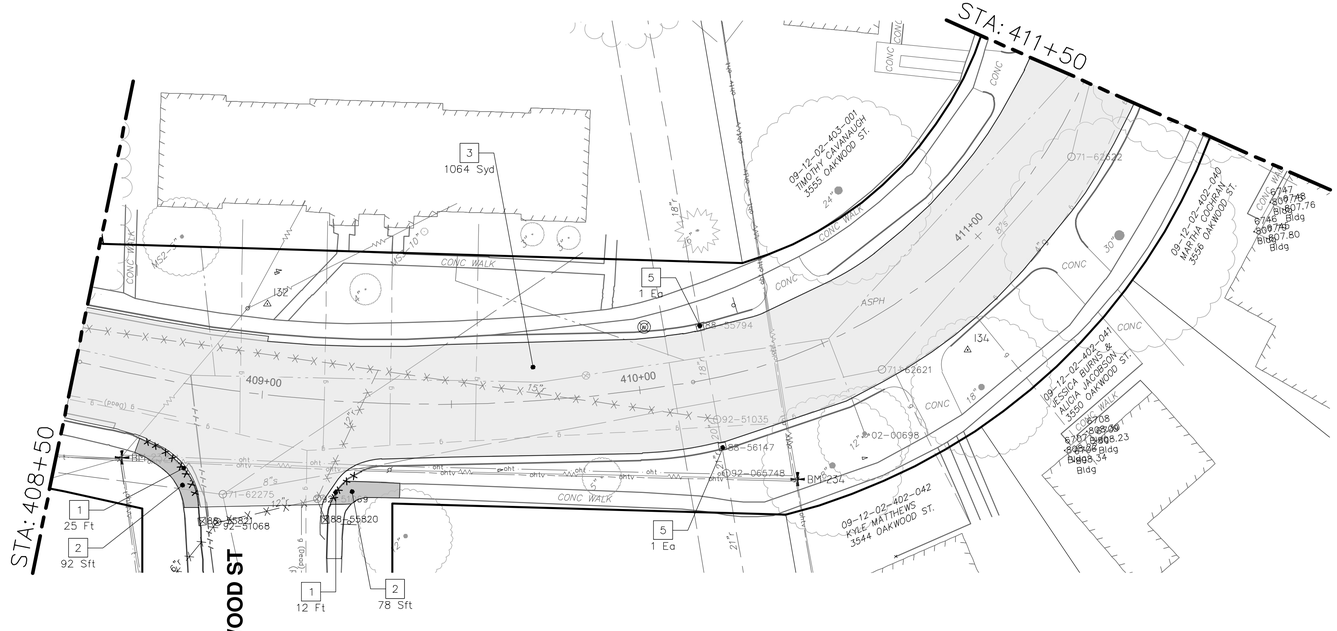
DRAWING No. 2022-031-89

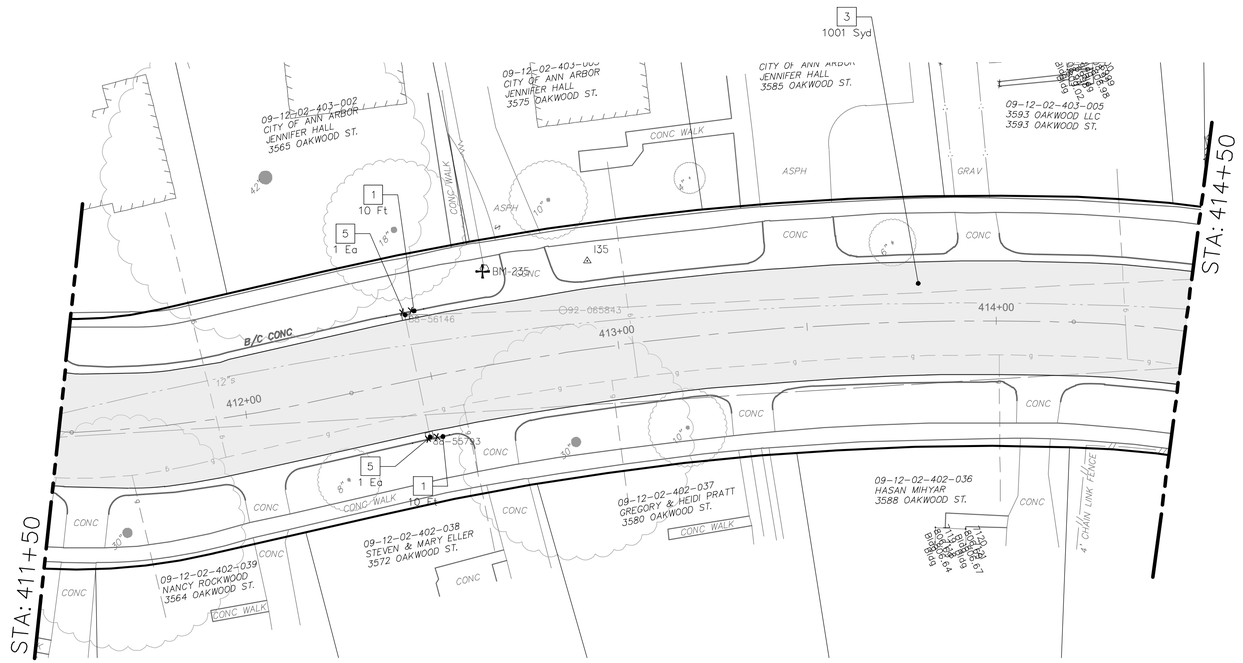
SHEET No. 89 OF 167

P:\0000_0100\002823005O_Pittsfield_Village_Improvements\Drawings\Civil\Removal\2300500AKWOOD_REM.dwg Dwg Created: 9-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\2300500AKWOOD_REM.dwg Dwg Created: 9-Dec-24 — _o2 standard bw.stb — Plot Date: 23-Jan-25

OAKWOOD STREET





REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
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* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
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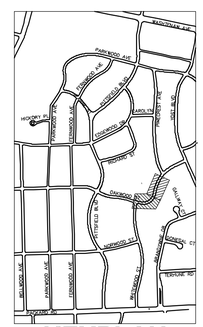
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

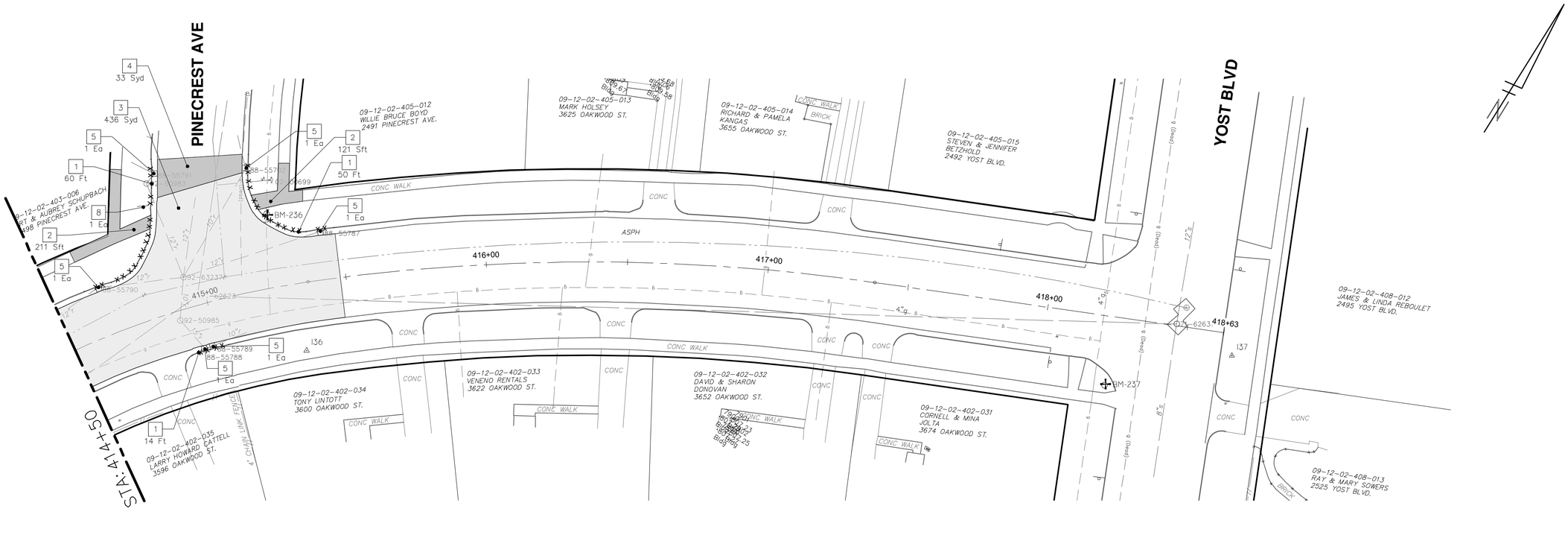
REMOVAL PLAN (STA 408+50 TO STA 414+50)

SCALE PLAN: ###### PROFILE: 1" = x'

DRAWING No. 2022-031-90

SHEET No. 90 OF 167

OAKWOOD STREET



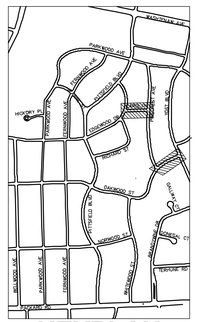
REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:

1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: ###### PROFILE: 1" = x'

SHEET No. 91 OF 167

DRAWING No. 2022-031-91

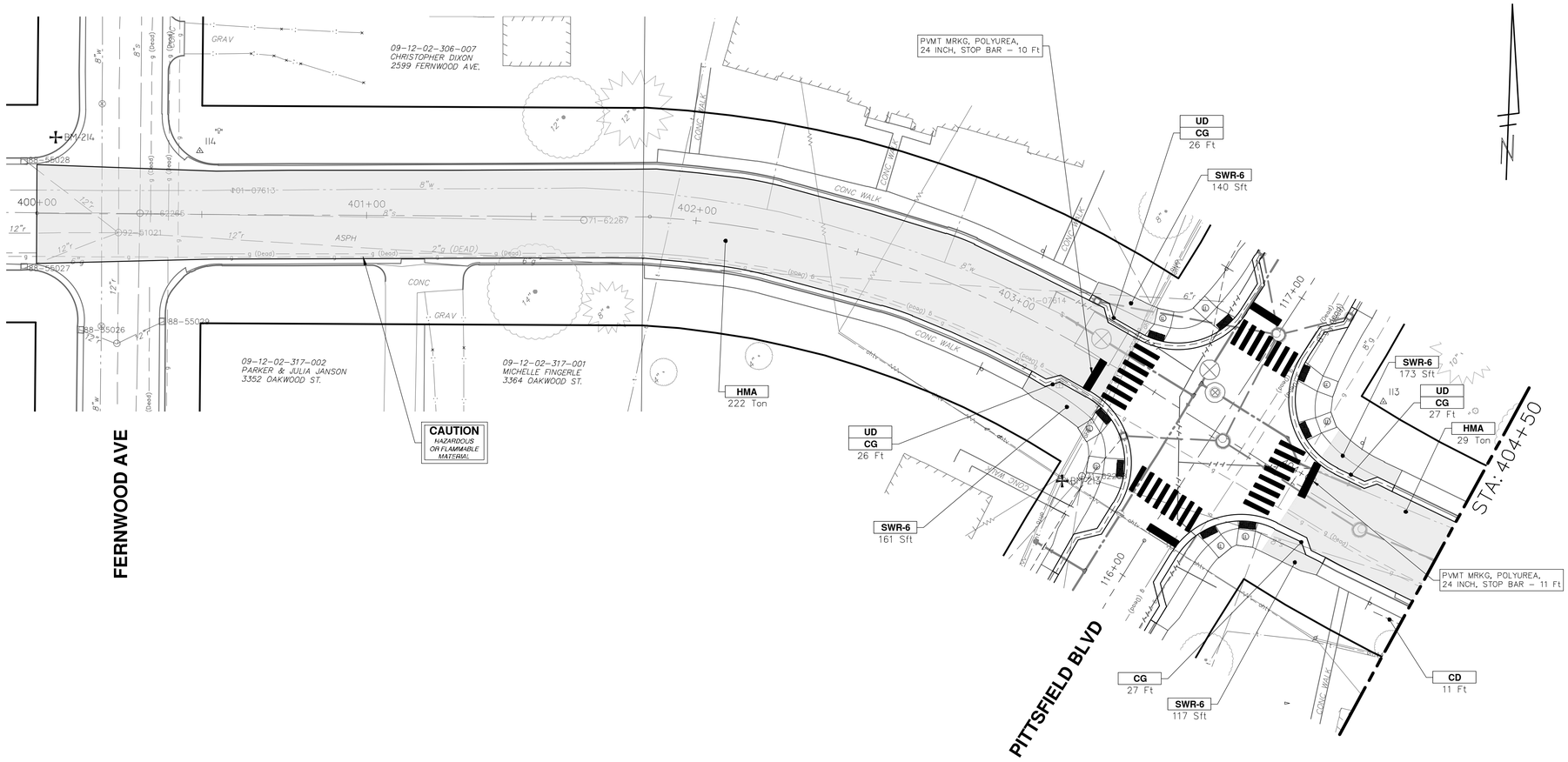
PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

REMOVAL PLAN (STA 414+50 TO STA 418+63)

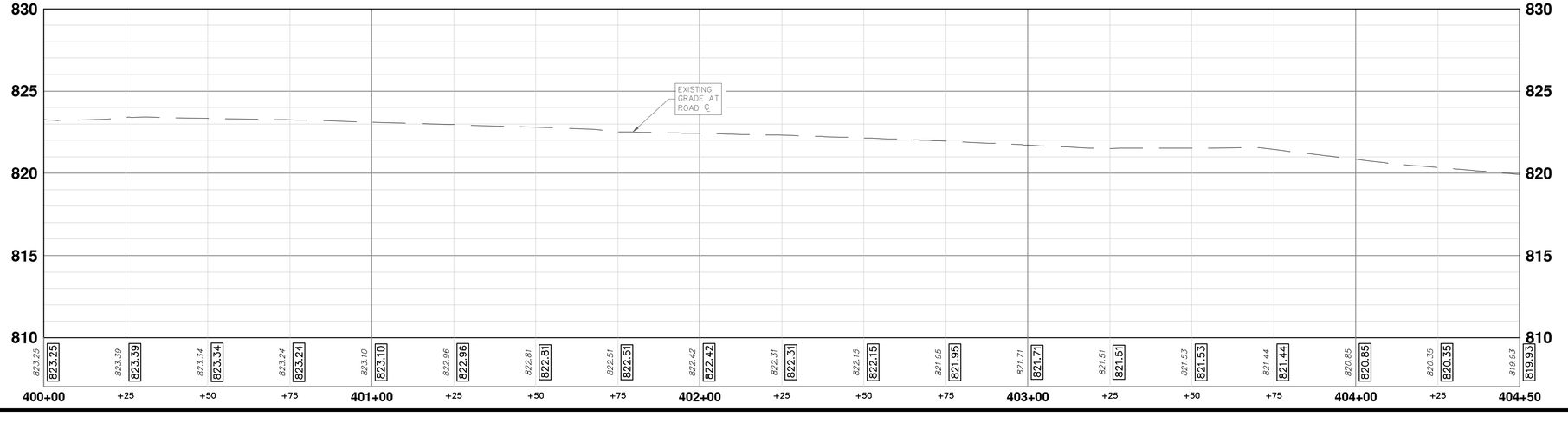
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\2300500AKWOOD_REM.dwg Dwg Created: 9-Dec-24 — o2 standard bw.stb — Plot Date: 23-Jan-25

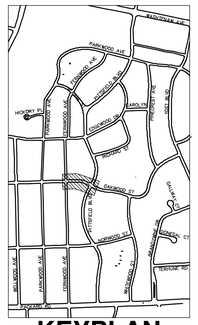
OAKWOOD STREET



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

ROAD PLAN (STA 400+00. TO STA 404+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

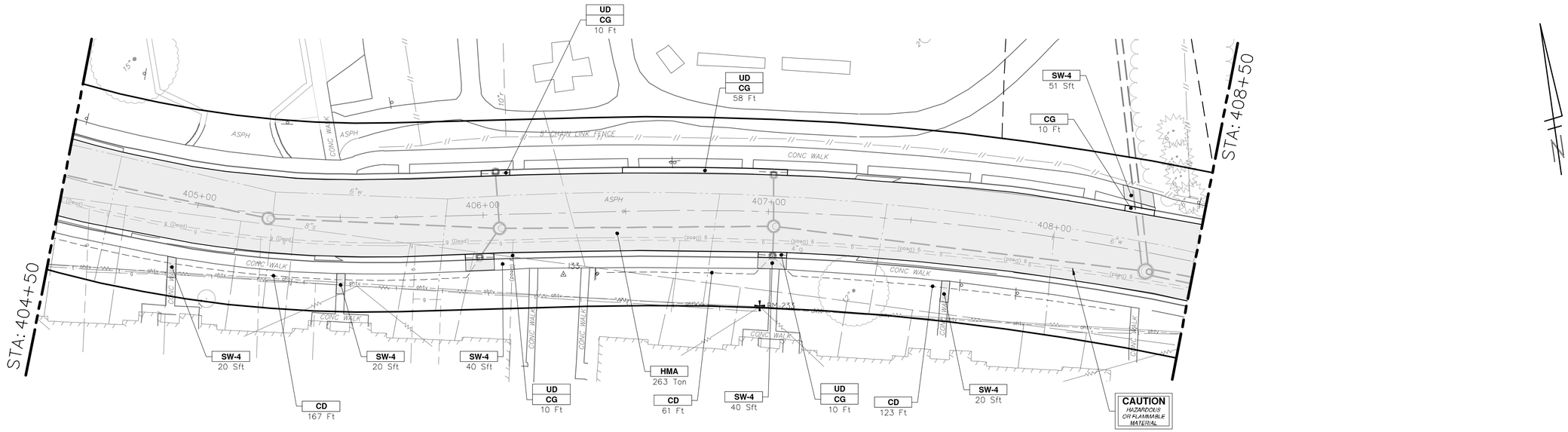
DRAWING No. 2022-031-92

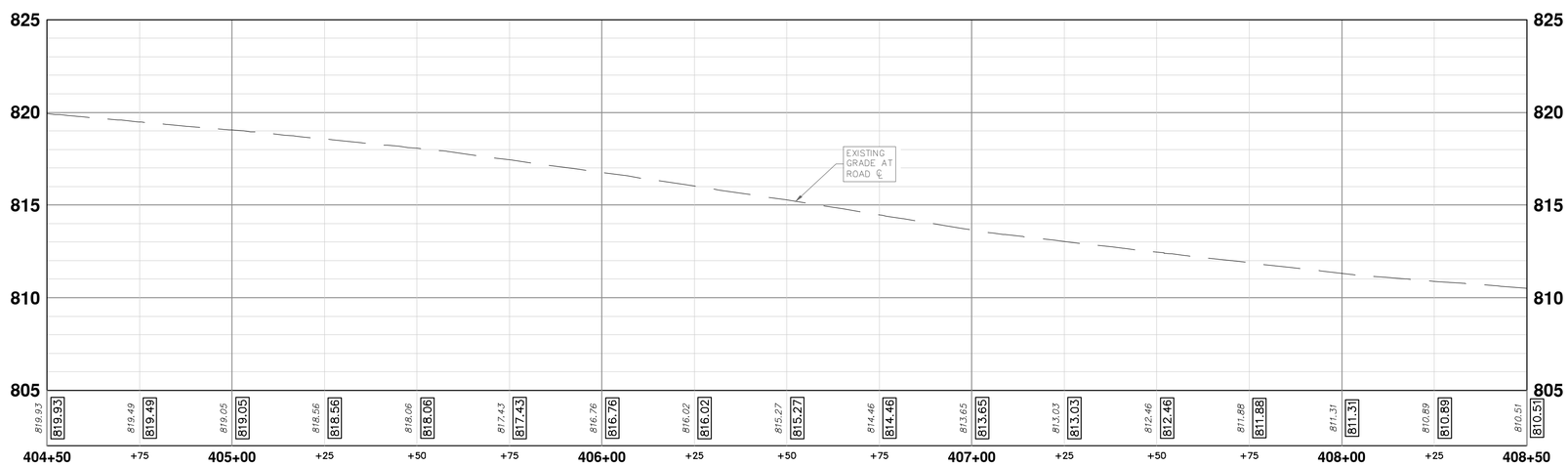
SHEET No. 92 OF 167

Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050OAKWOOD_CON.dwg Dwg Created: 7-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

OAKWOOD STREET





CONSTRUCTION KEY	
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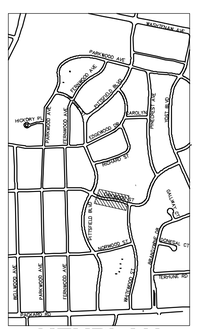
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

Know what's **below.** **Call before you dig.**

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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

ROAD PLAN (STA 404+50 TO STA 408+50)

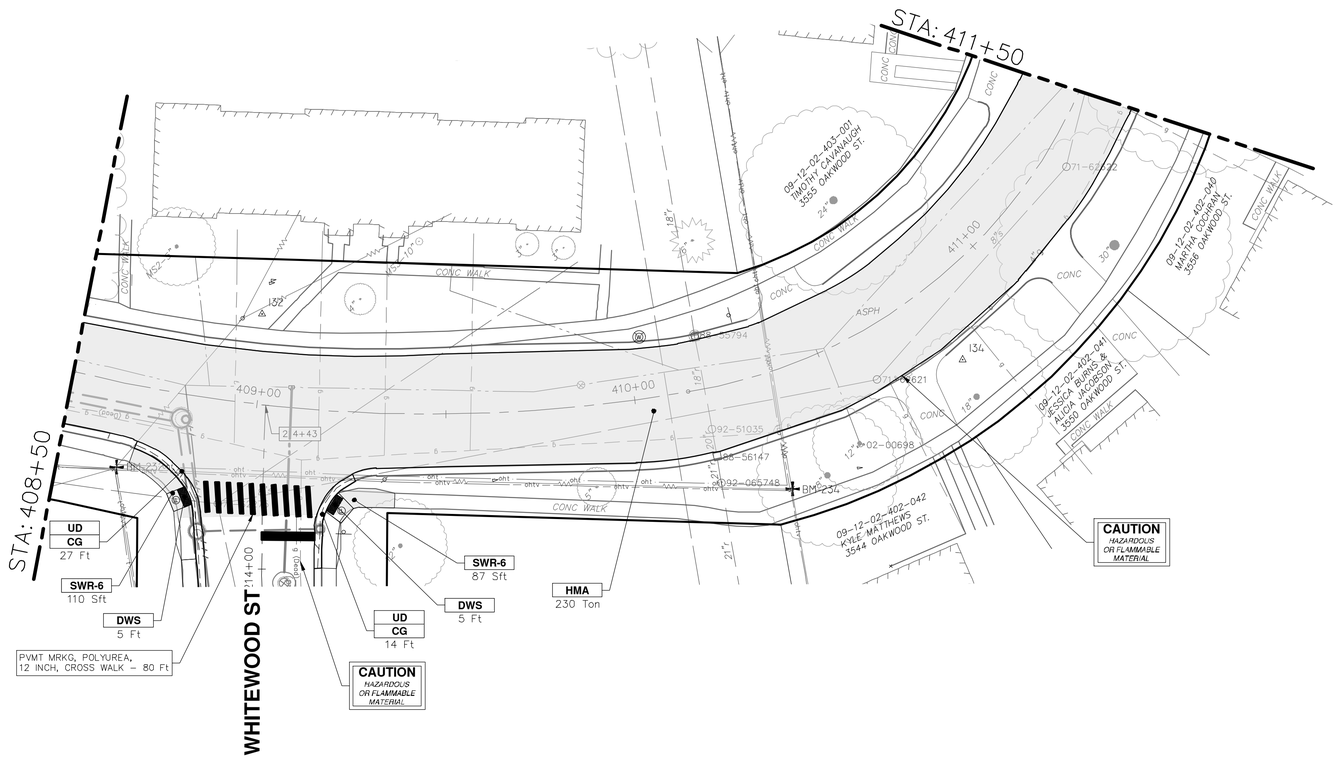
SCALE **PLAN: 1" = 20'** **PROFILE: 1" = 4'**

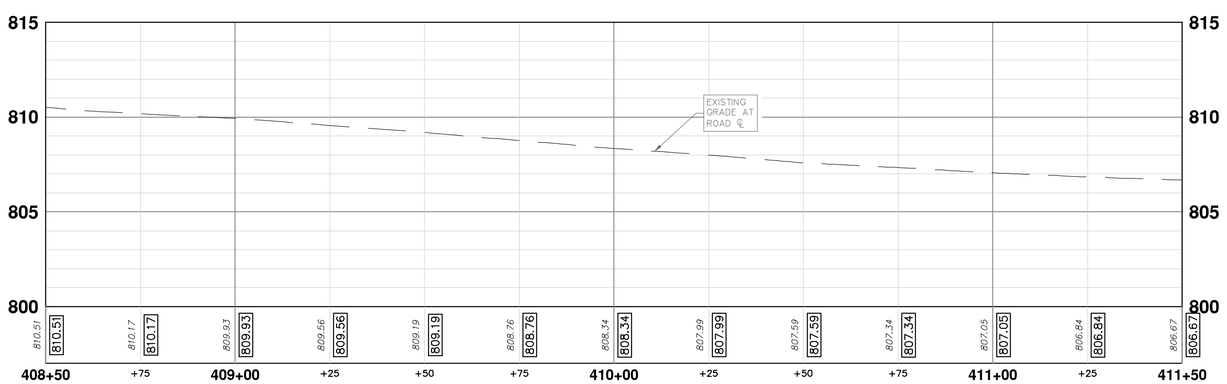
DRAWING No. **2022-031-93**

SHEET No. **93 OF 165**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500AKWOOD_CON.dwg Dwg Created: 7-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

OAKWOOD STREET





CONSTRUCTION KEY	
KEY	**DESCRIPTION**
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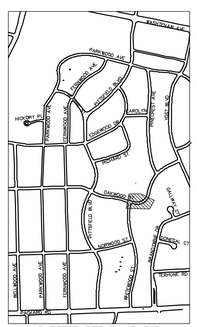
UD	6 INCH UNDERDRAIN



KEYPLAN

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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

ROAD PLAN (STA 408+50 TO 411+50)

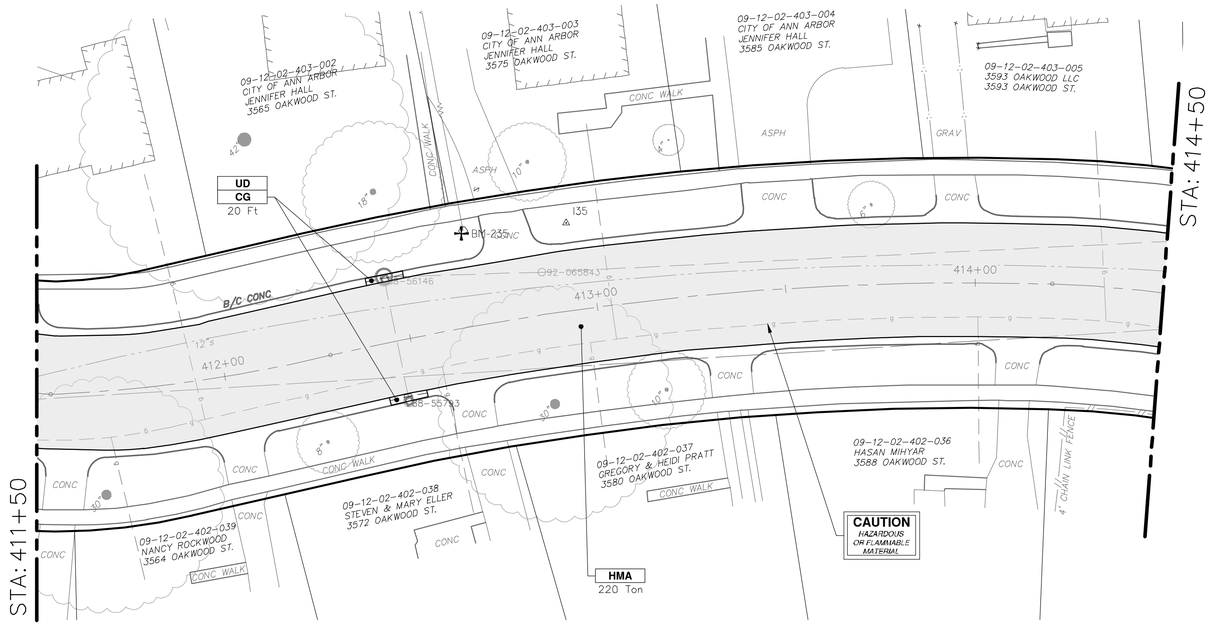
SCALE **PLAN: 1" = 20'** **PROFILE: 1" = 4'**

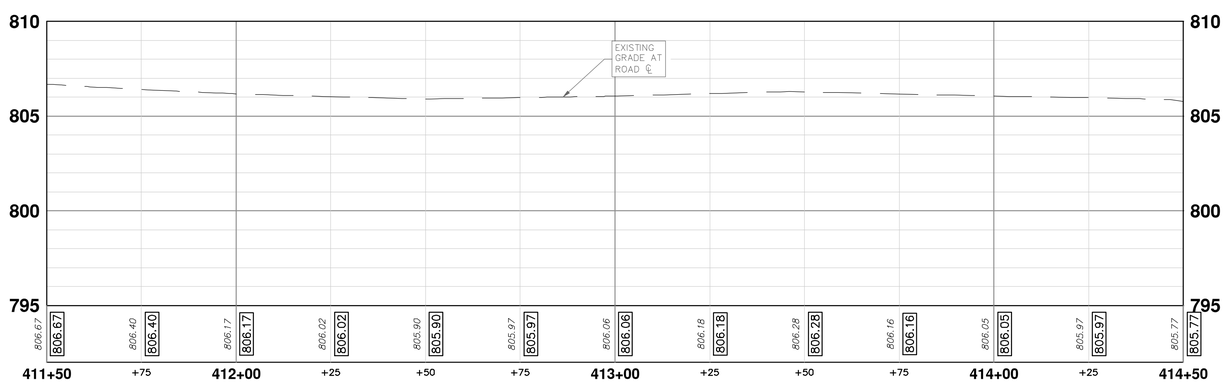
DRAWING No. **2022-031-94**

SHEET No. **94 OF 165**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500AKWOOD_CON.dwg Dwg Created: 7-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

OAKWOOD STREET





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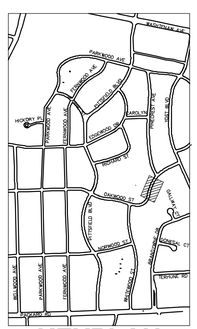

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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

ROAD PLAN (STA 411+50 TO 414+50)

SCALE **PLAN: 1" = 20'** **PROFILE: 1" = 4'**

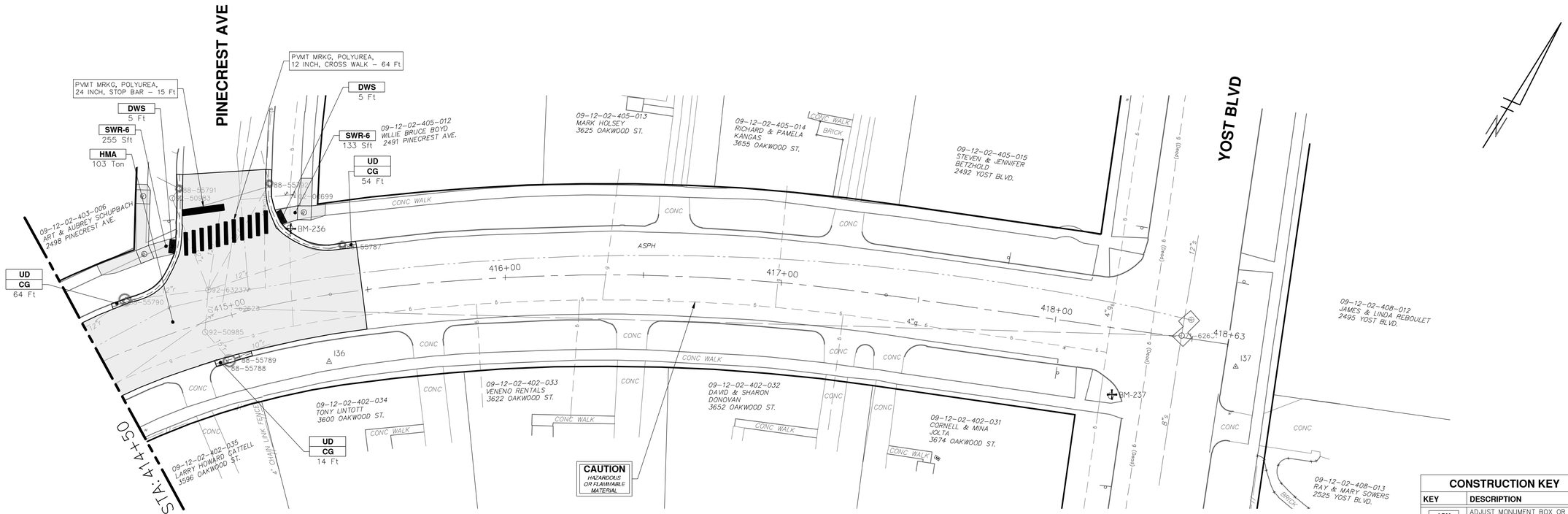
DRAWING No. **2022-031-95**

SHEET No. **95 OF 167**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500AKWOOD_CON.dwg Dwg Created: 7-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

P:\0000_0110\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500AKWOOD_CON.dwg Dwg Created: 7-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

OAKWOOD STREET



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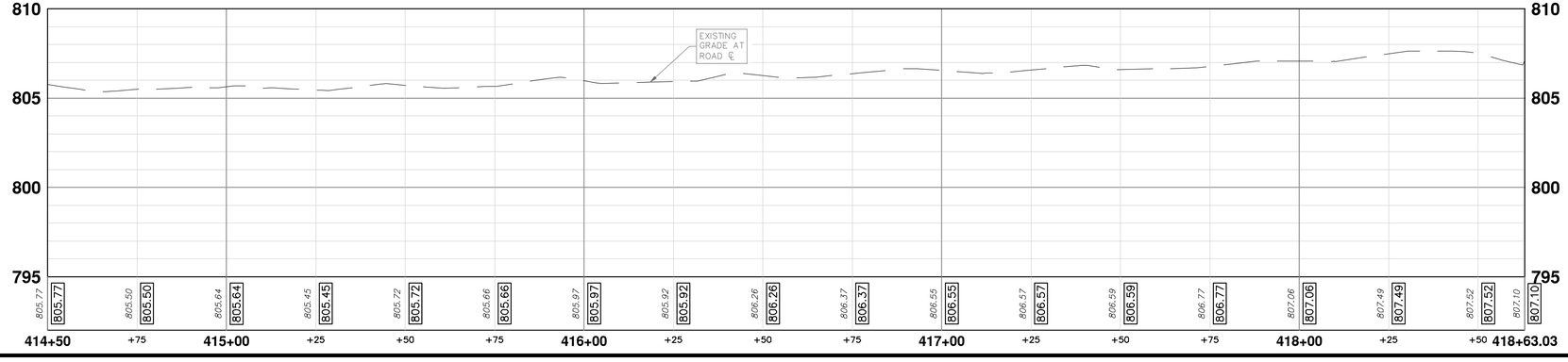

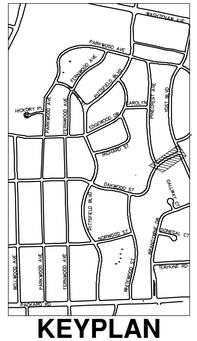

KEYPLAN

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01	1-22-2025	ADDENDUM #2

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SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

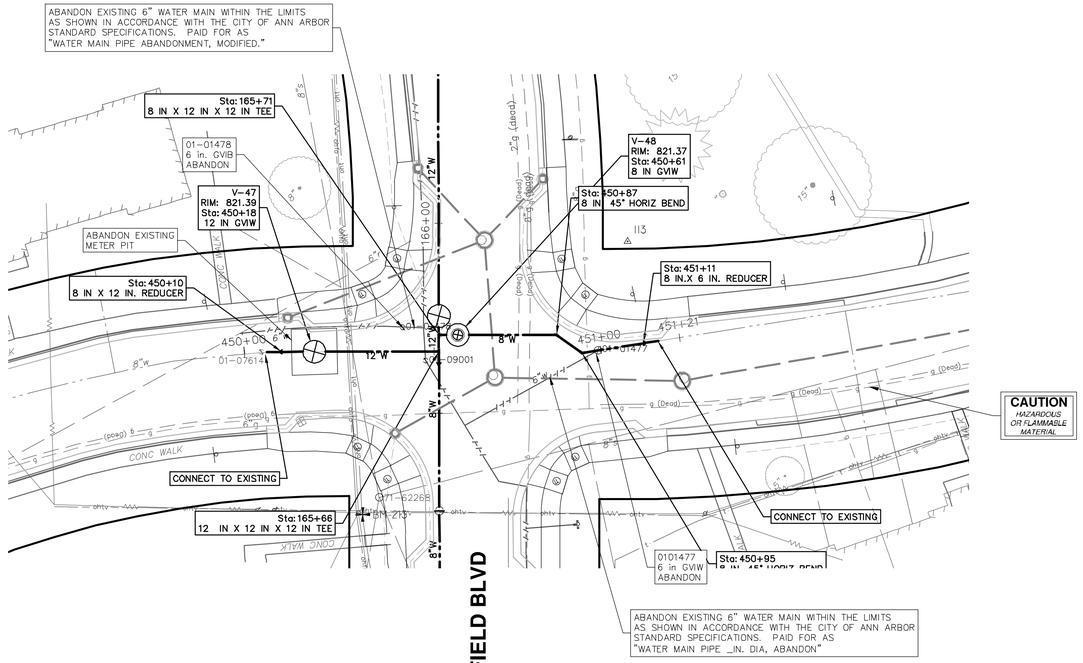
ROAD PLAN (STA 414+50 TO STA 418+63)

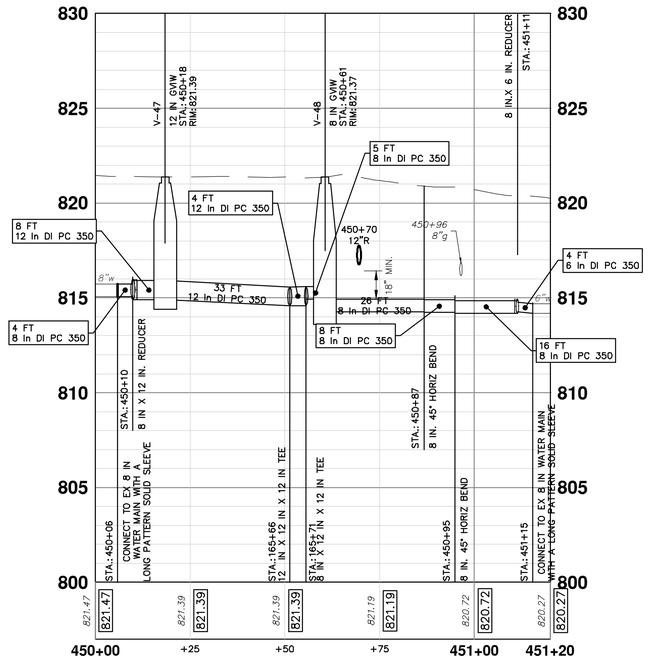
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-96

SHEET No. 96 OF 167

OAKWOOD STREET





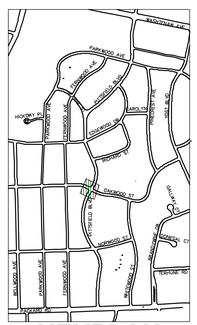
WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-47	12 IN GVIW	450+18	821.39	6.48
V-48	8 in GVIW	450+61	821.37	7.11

WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20' PROFILE 1" = 4'

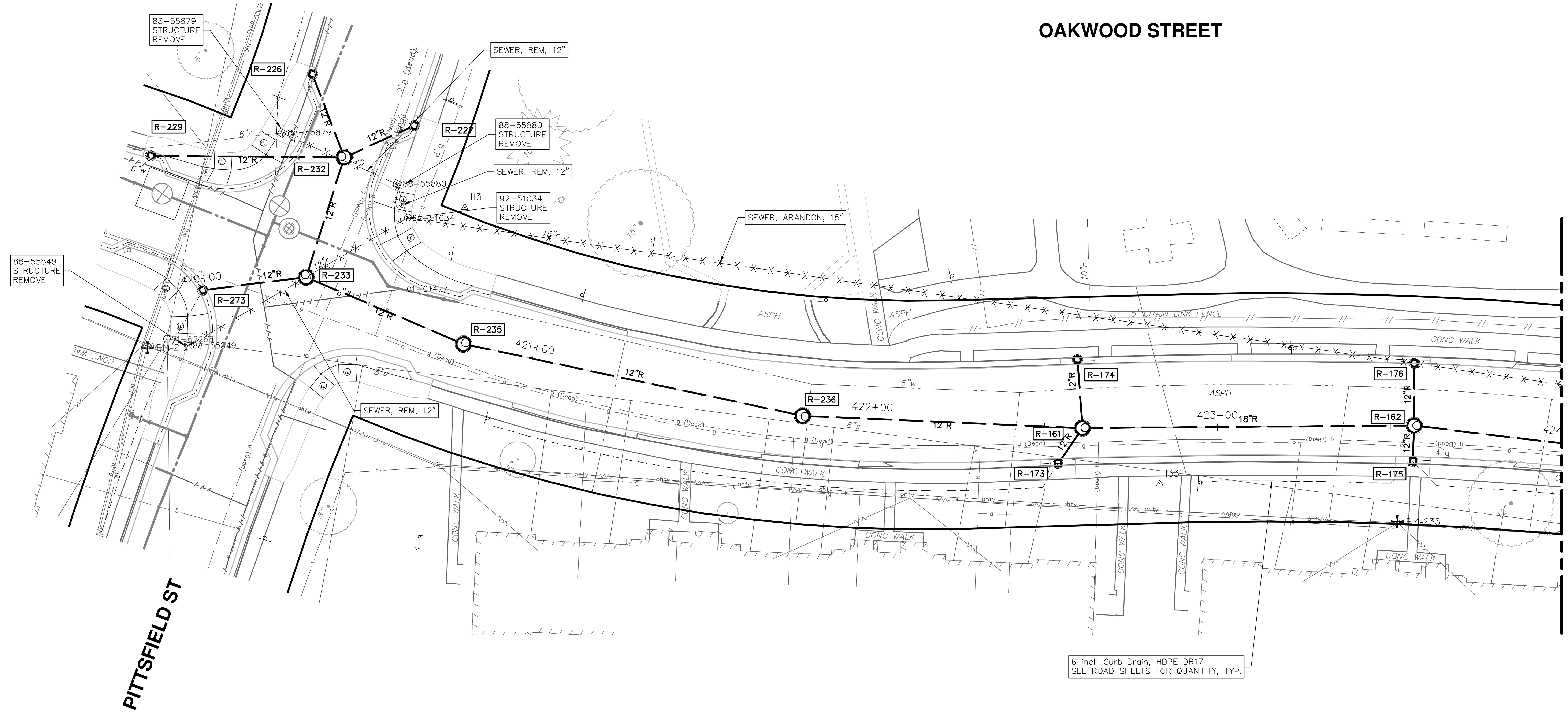
PITTSFIELD VILLAGE IMPROVEMENTS
OAKWOOD STREET
WATER MAIN PLAN (STA 450+00 TO STA 450+95)

DRAWING No. 2022-031-97

SHEET No. 97 OF 167

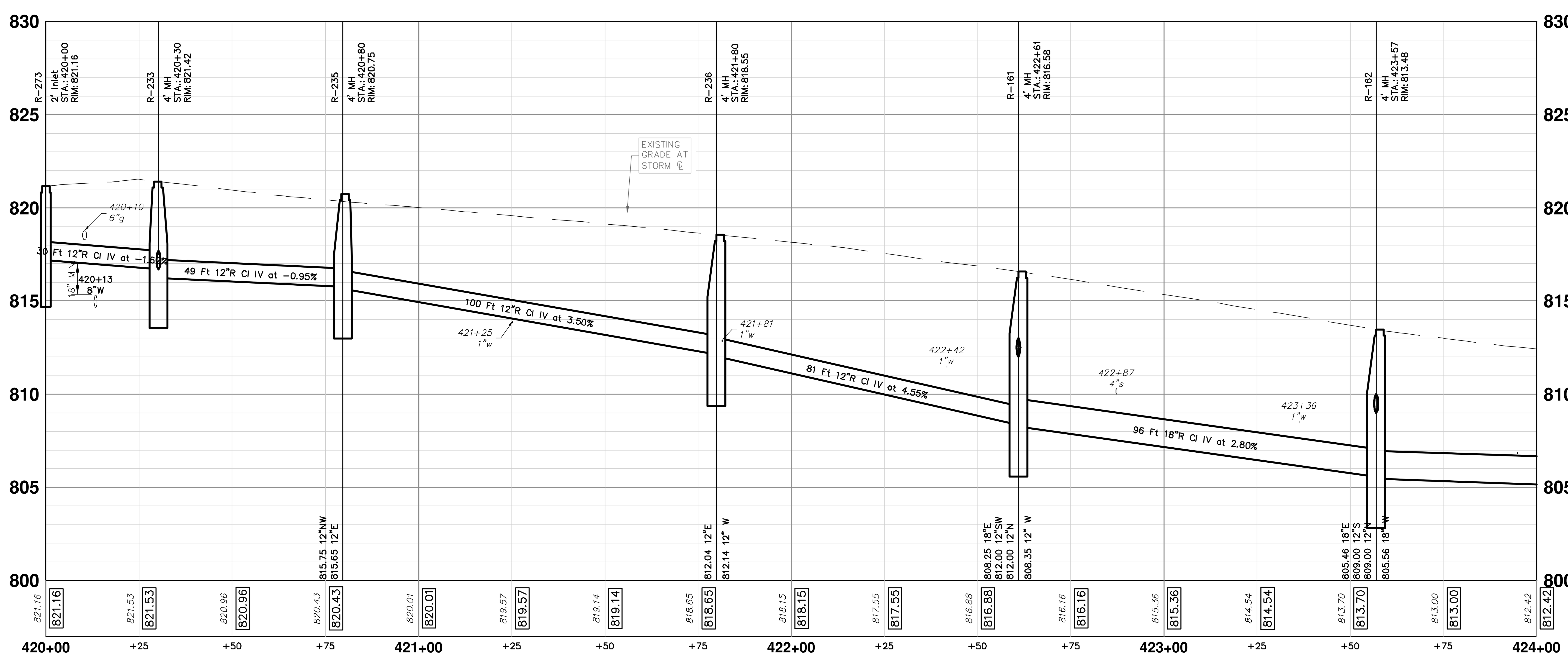
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050AKWOOD_WM.dwg Dwg Created: 17-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

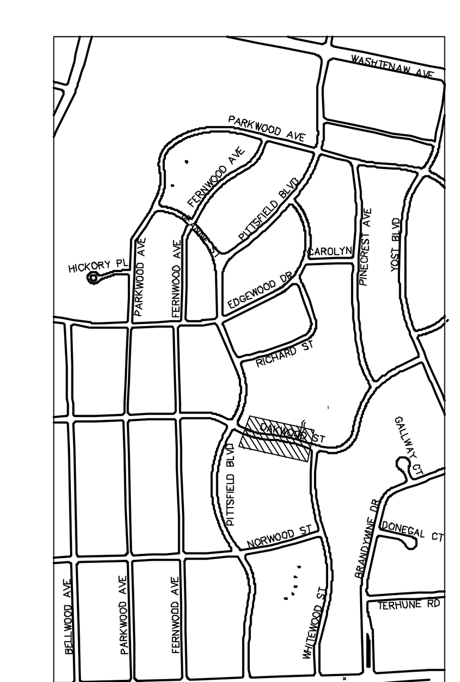
OAKWOOD STREET



STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-161	422+61	4' MH	816.58	12" W 808.35 18" E 808.25 12" SW 812.00 12" N 812.00	10.33	2'
R-162	423+57	4' MH	813.48	18" W 805.56 18" E 805.46 12" S 809.00 12" N 809.00	10.02	2'
R-173	422+54	2' Inlet	816.70	12" NE 812.15	6.55	2'
R-174	422+59	2' Inlet	816.49	12" S 812.25	6.24	2'
R-175	423+58	2' Inlet	813.33	12" N 809.22	6.11	2'
R-176	423+57	2' Inlet	813.58	12" S 809.30	6.28	2'
R-226	420+30	2' Inlet	821.10	12" S 817.03	6.07	2'
R-227	420+42	2' Inlet	820.99	12" W 817.00	5.99	2'
R-229	???	2' Inlet	821.20	12" E 816.00	7.20	2'
R-232	420+30	4' MH	821.44	12" SW 816.90 12" N 817.00 12" E 817.00 12" W 817.00	6.54	2'
R-233	420+30	4' MH	821.42	12" SE 816.22 12" NE 816.70 12" W 816.70	7.20	2'
R-235	420+80	4' MH	820.75	12" NW 815.75 12" E 815.65	7.10	2'
R-236	421+80	4' MH	818.55	12" W 812.14 12" E 812.04	8.51	2'





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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

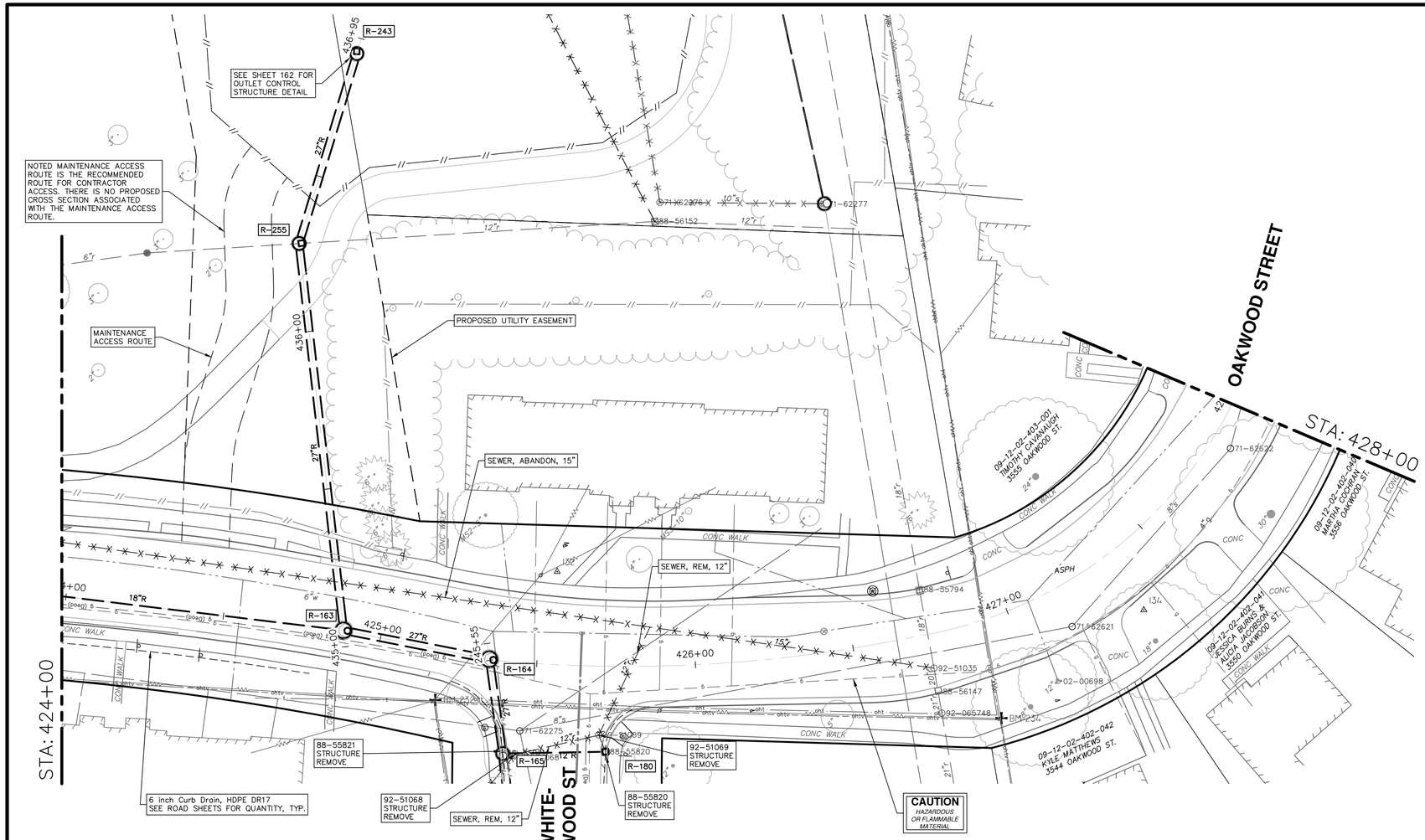
OAKWOOD STREET

STORM SEWER PLAN (STA 420+00 TO STA 424+00)

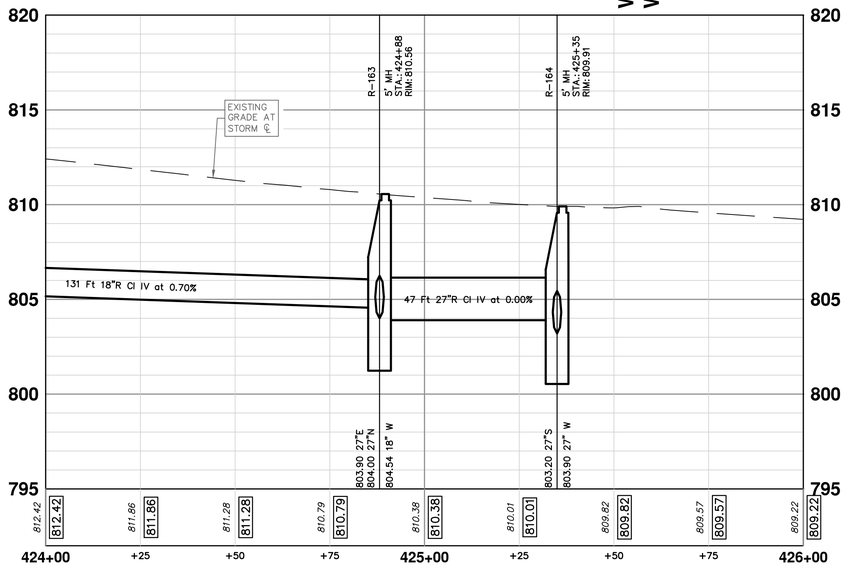
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

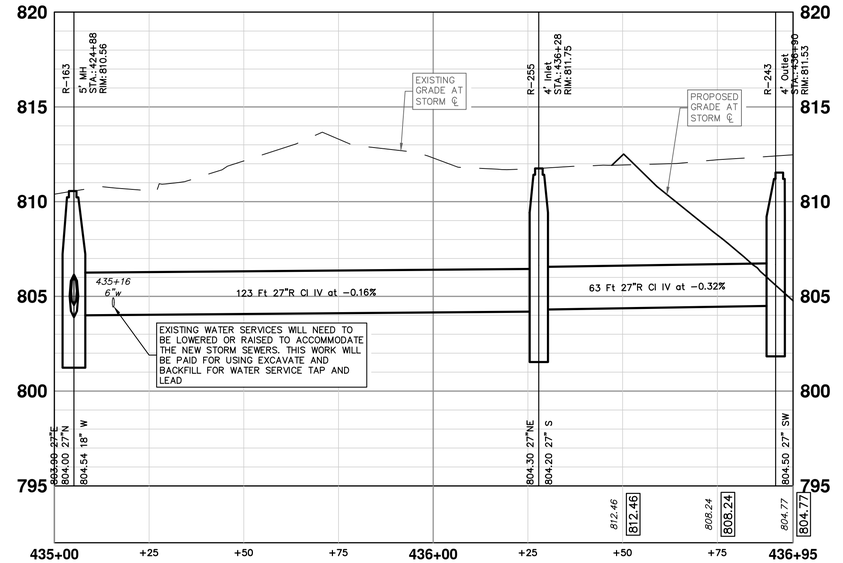
DRAWING No. 2022-031-98

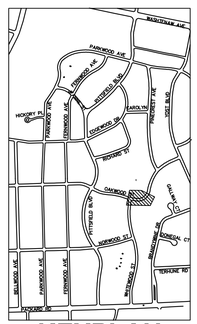
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050OAKWOOD_STM.dwg Dwg Created: 23-Jan-25 - _a2 standard bw.stb - Plot Date: 23-Jan-25



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R–163	424+88	5' MH	810.56	18" W 804.54 27" E 803.90 27" N 804.00	8.66	2'
R–164	425+35	5' MH	809.91	27" W 803.90 27" S 803.20	8.71	2'
R–165	245+20	4' MH	809.17	27" N 803.10 30" S 802.98 12" E 805.00	8.19	2'
R–180	245+17	2' Inlet	809.34	12" W 805.75	5.59	2'
R–243	436+90	4' Outlet	811.53	27" SW 804.50	9.03	2'
R–255	436+28	4' Inlet	811.75	27" S 804.20 27" NE 804.30	9.55	2'







KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12–19–2024	SM	CE
01	ADDENDUM #2	1–22–2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

STORM SEWER PLAN (STA 424+00 TO STA 428+00)

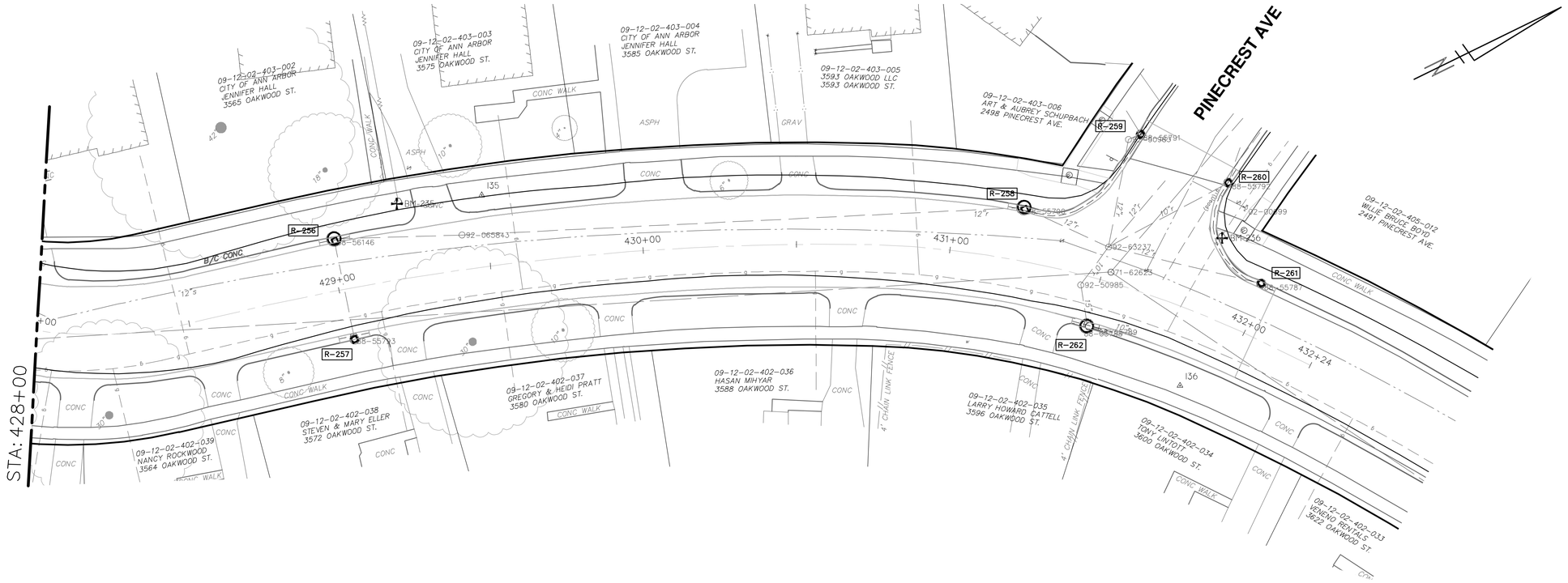
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-99

SHEET No. 99 OF 167

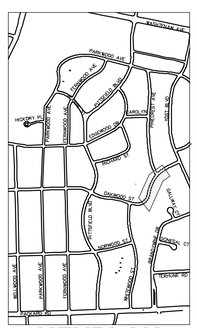
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500AKWOOD_STM.dwg Dwg Created: 23-Jan-25 24-Jan-25 _o2 standard bw.stb – Plot Date:

OAKWOOD STREET



STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-50983	431+47	EX MH	806.57	12" SE 802.07 12" N 802.37	4.50	0'
92-50985	431+44	EX MH	805.53	10" NW 800.58 12" E 800.53	5.00	0'
92-63237	431+50	EX MH	805.76	12" SW 801.16 12" NE 801.36 10" SE 800.61 12" NW 801.56 12" NW 802.56 10" N 800.66	5.15	0'
R-256	429+02	4' Inlet	805.58	12" E 803.67 12" NE 803.67	3.91	2'
R-257	429+02	2' Inlet	805.90	12" W 803.94	3.96	2'
R-258	431+21	4' Inlet	805.23	12" NE 801.53 12" SW 801.61	5.70	2'
R-259	431+50	2' Inlet	805.94	12" S 800.58	7.36	2'
R-260	431+78	2' Inlet	805.59	10" S 803.36 6" NW 803.46	4.23	2'
R-261	431+98	2' Inlet	805.37	12" SW 803.01	4.36	2'
R-262	431+50	4' MH (COVER EJ7030 M2)	805.15	12" W 800.45	6.70	2'



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

STORM SEWER PLAN (STA 428+00 TO STA 432+26)

SCALE: PLAN: 1" = 20'

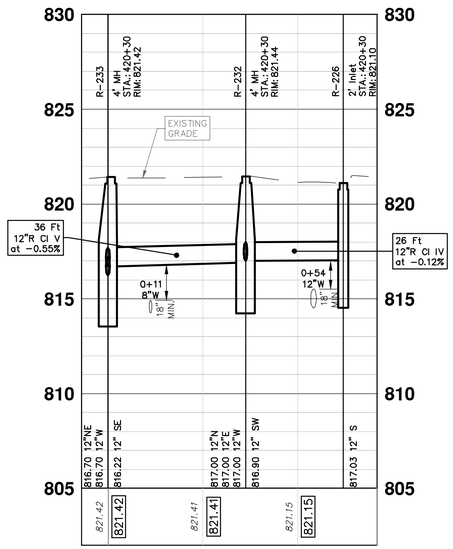
DRAWING No. 2022-031-100

SHEET No. 100 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500AKWOOD_STM.dwg Dwg Created: 23-Jan-25 - _o2 standard bw.stb - Plot Date: 23-Jan-25

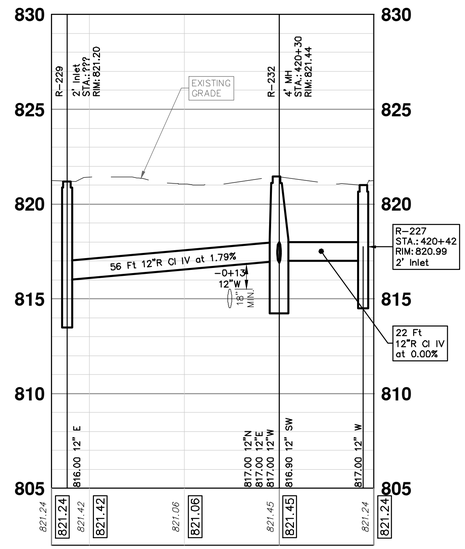
OAKWOOD STREET

R-233



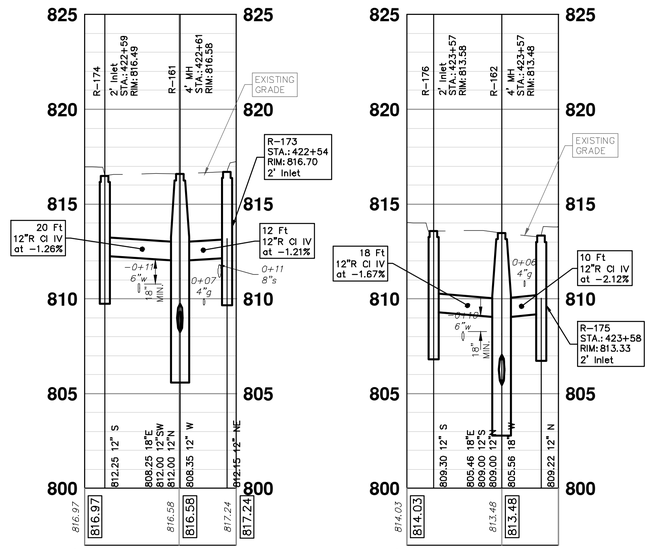
R-233 TO R-226
@ STA 420+54

R-232



R-229 TO R-227
@ STA 420+54

R-161 R-162



R-174 TO R-173
@ STA 422+98

R-175 TO R-175
@ STA 423+94

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500AKWOOD_STM.dwg Dwg Created: 23-Jan-25 — _o2 standard bw.stb — Plot Date: 23-Jan-25

Know what's below. Call before you dig. 811

NO.	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

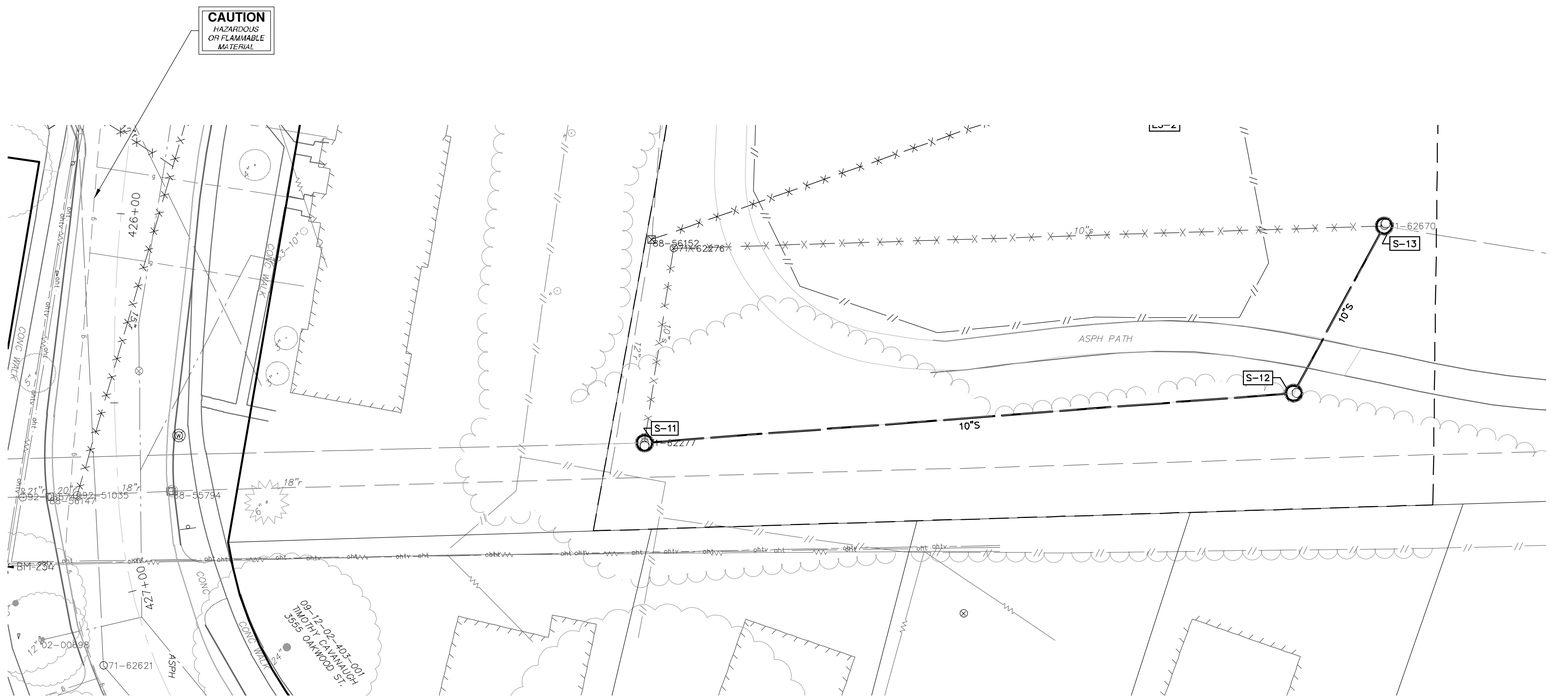
OAKWOOD STREET

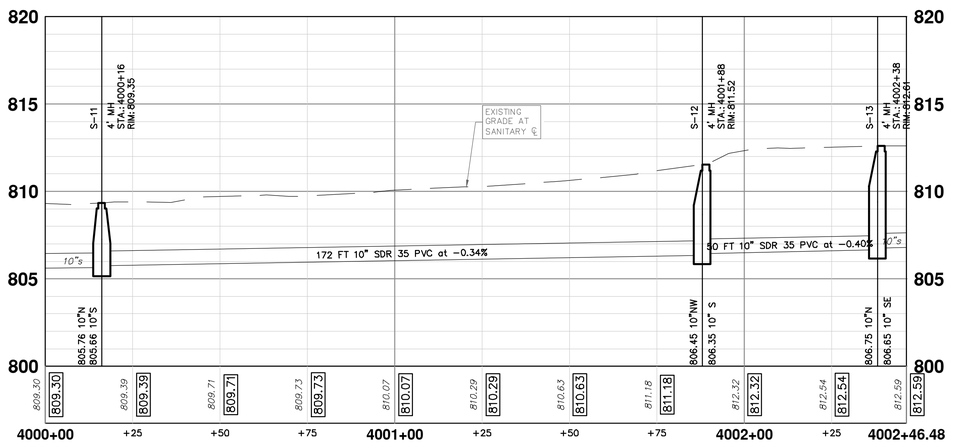
STORM SEWER INLET CONNECTION PROFILES

SCALE: PROFILE: 1" = 4'

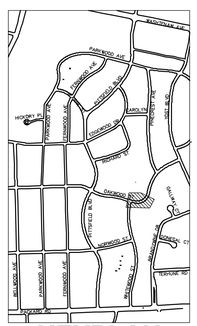
DRAWING No. 2022-031-101

SHEET No. 101 OF 167





SANITARY SEWER STRUCTURE TABLE							
STRUCTURE	STATION	RIM	DEPTH	DIA.	TYPE	INVERTS	NOTES
S–11	4000+16	809.35	3.69	48	4' MH	10" N 805.76 10" S 805.66	4' MH
S–12	4001+88	811.52	5.17	48	4' MH	10" S 806.35 10" NW 806.45	4' MH
S–13	4002+38	812.61	5.96	48	4' MH	10" SE 806.65 10" N 806.75	4' MH



811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

SANITARY SEWER PLAN (STA 4000+00 TO STA 4002+46)

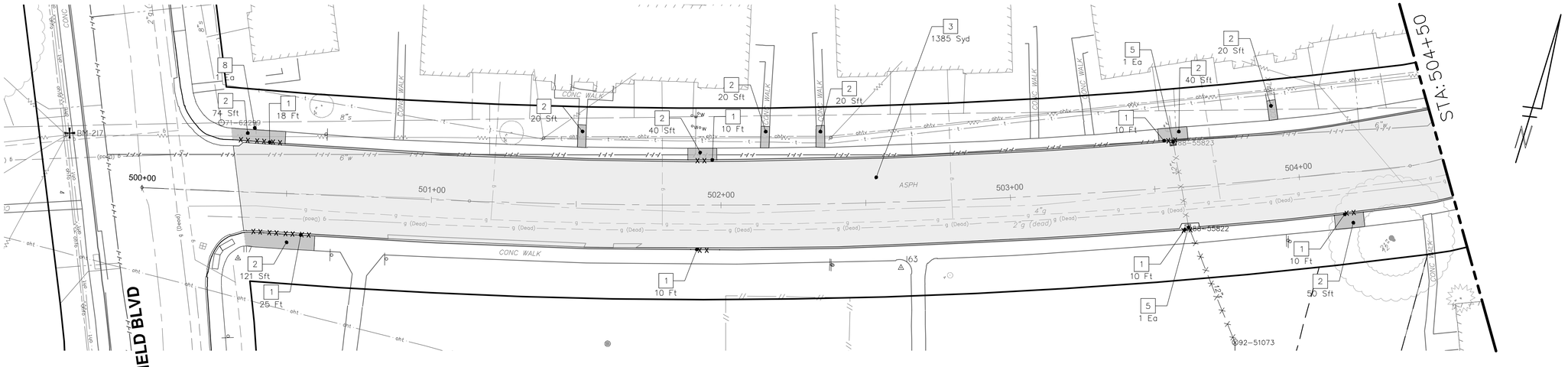
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

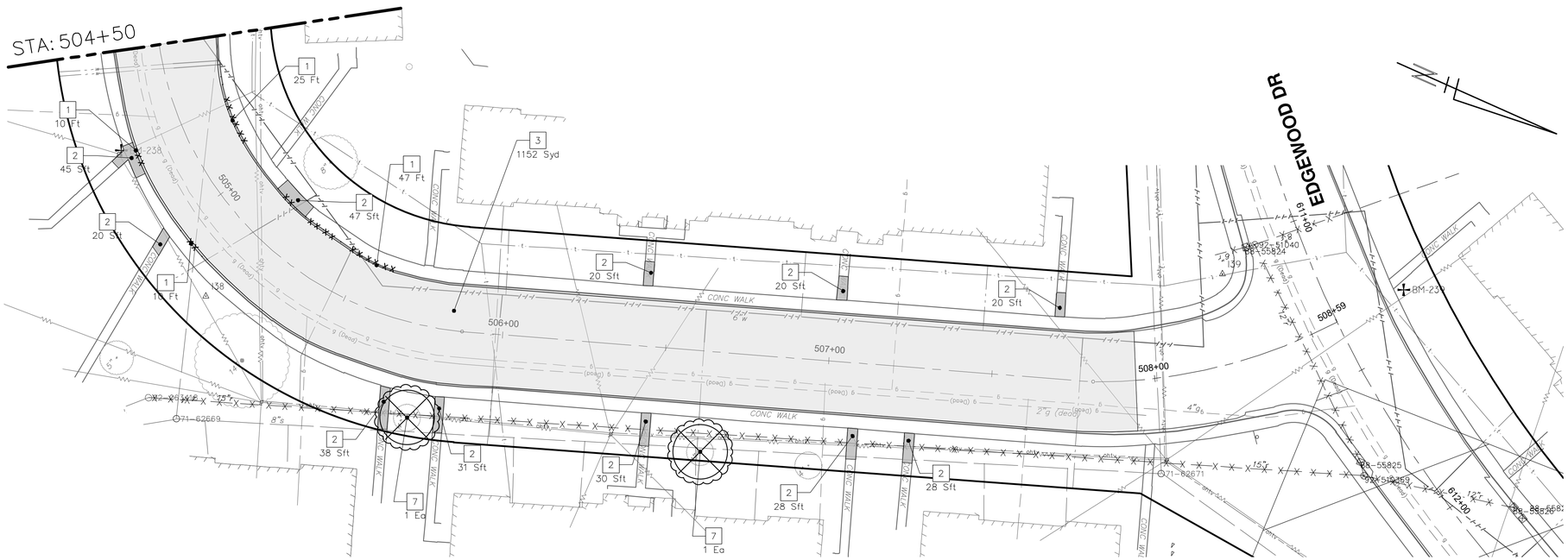
DRAWING No. 2022-031-102

SHEET No. 102 OF 167

P:\0000_0100\00282\30050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500AKWOOD_STM.dwg Dwg Created: 23-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

RICHARD STREET



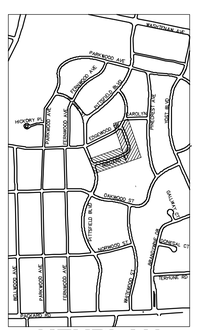


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

RICHARD STREET

REMOVAL PLAN (STA 500+00 TO STA 508+59)

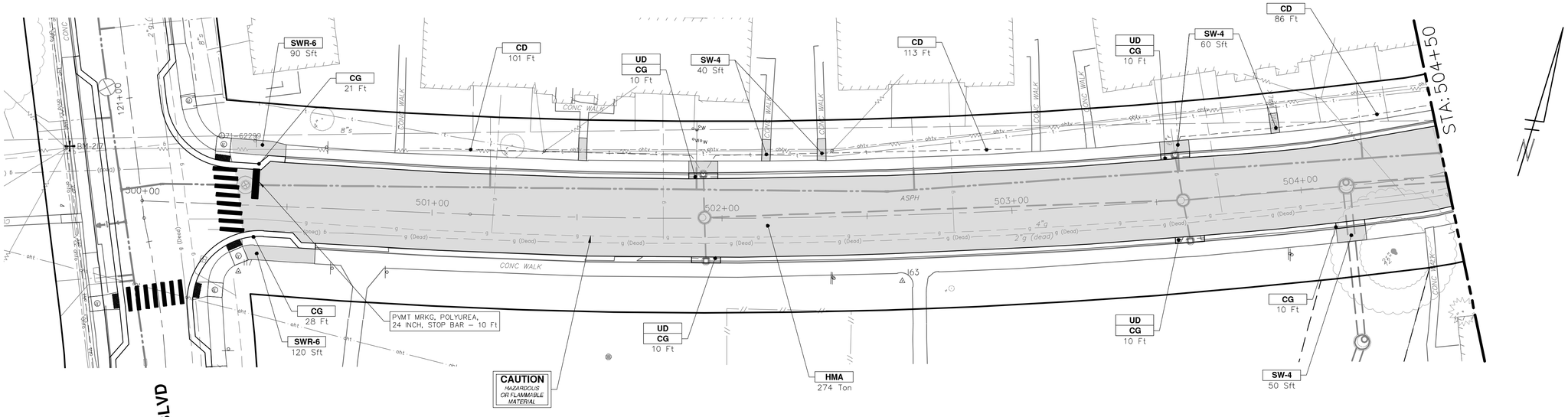
SCALE PLAN: ###### PROFILE: 1" = x'

DRAWING No. 2022-031-103

SHEET No. 103 OF 167

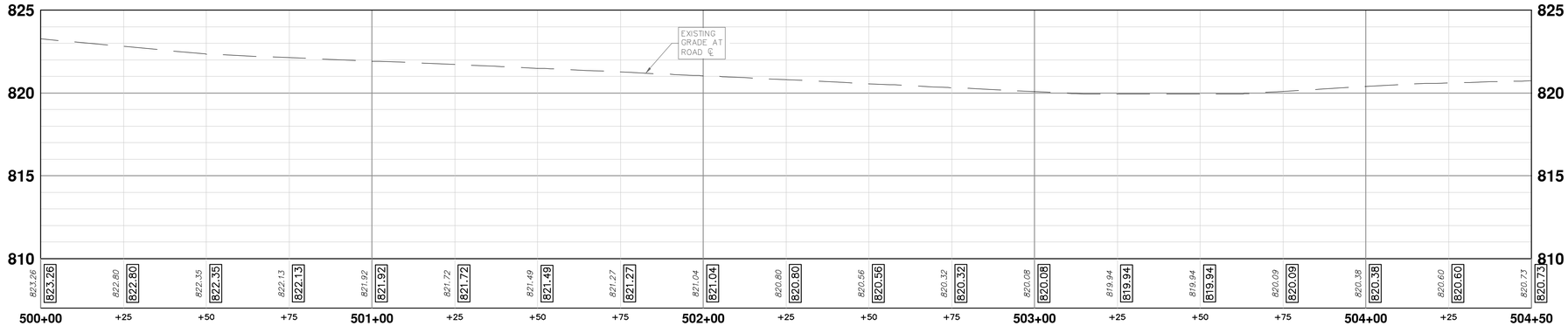
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050RICHARD_REM.dwg Dwg Created: 19-Nov-24 — a2 standard bw.stb — Plot Date: 23-Jan-25

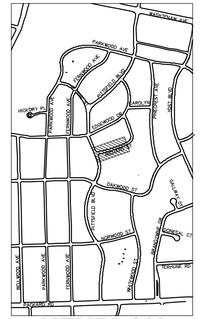
RICHARD STREET



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

RICHARD STREET

ROAD PLAN (STA 500+00. TO STA 504+50)

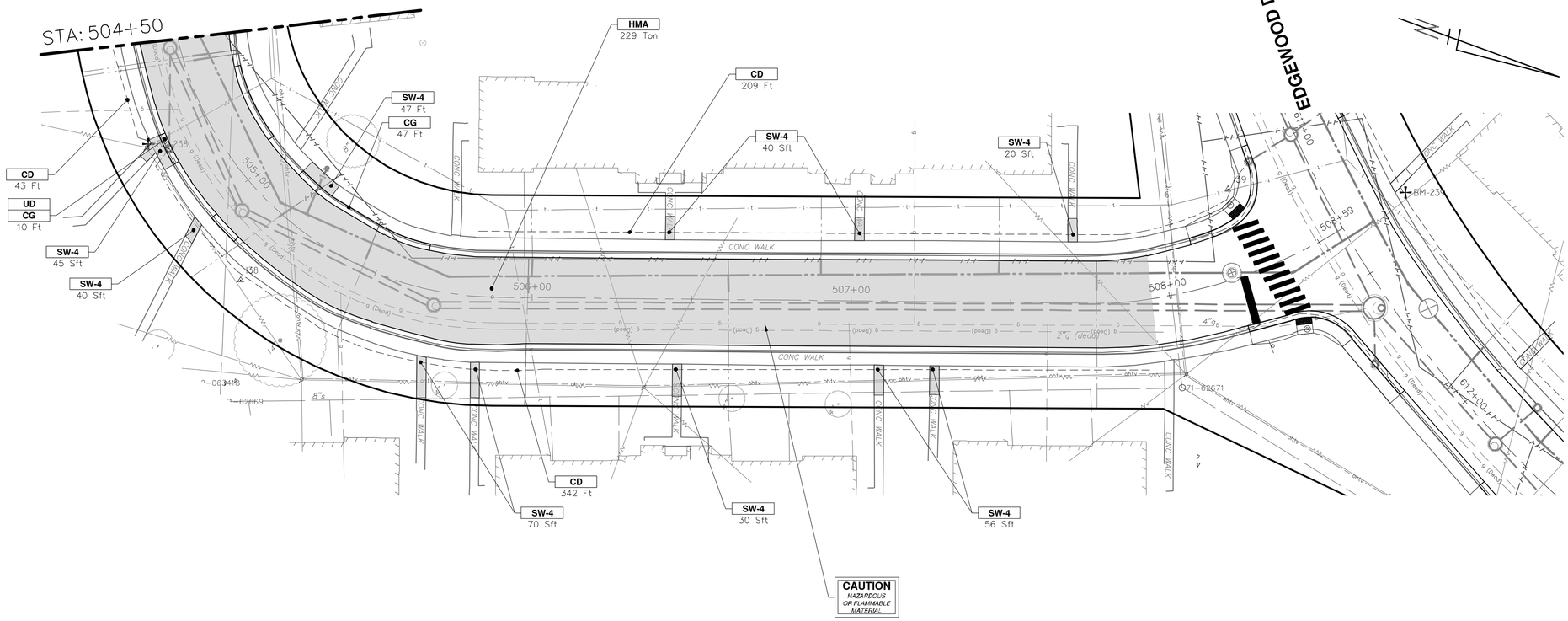
SCALE PLAN: 1" = 20' | PROFILE 1" = 4'

DRAWING No. 2022-031-104

SHEET No. 104 OF 167

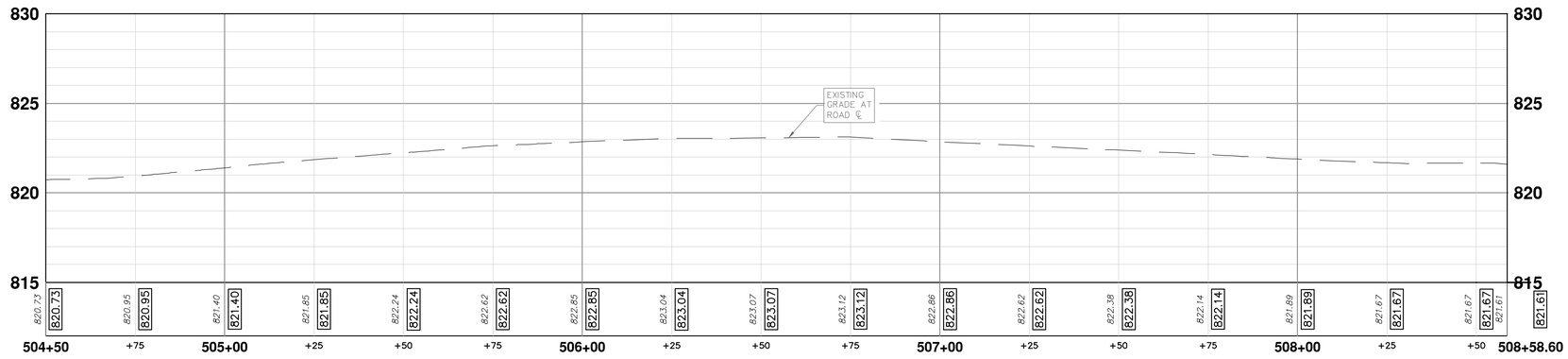
P:\2000_0100\2028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050RICHARD_CON.dwg Dwg Created: 7-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

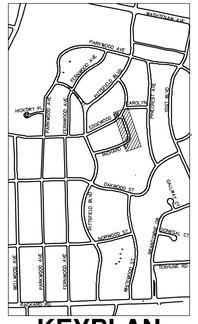
RICHARD STREET



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

RICHARD STREET

ROAD PLAN (STA 504+50 TO STA 508+59)

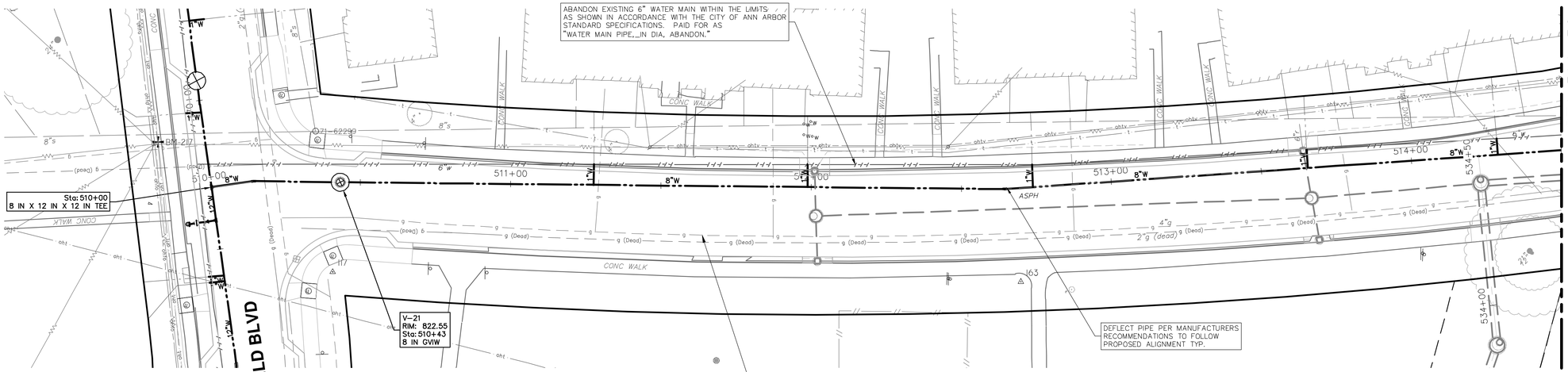
SCALE PLAN: 1" = 20' | PROFILE 1" = 4'

DRAWING No. 2022-031-105

SHEET No. 105 OF 167

P:\2000_0100\2028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050RICHARD_CON.dwg Dwg Created: 7-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

RICHARD STREET



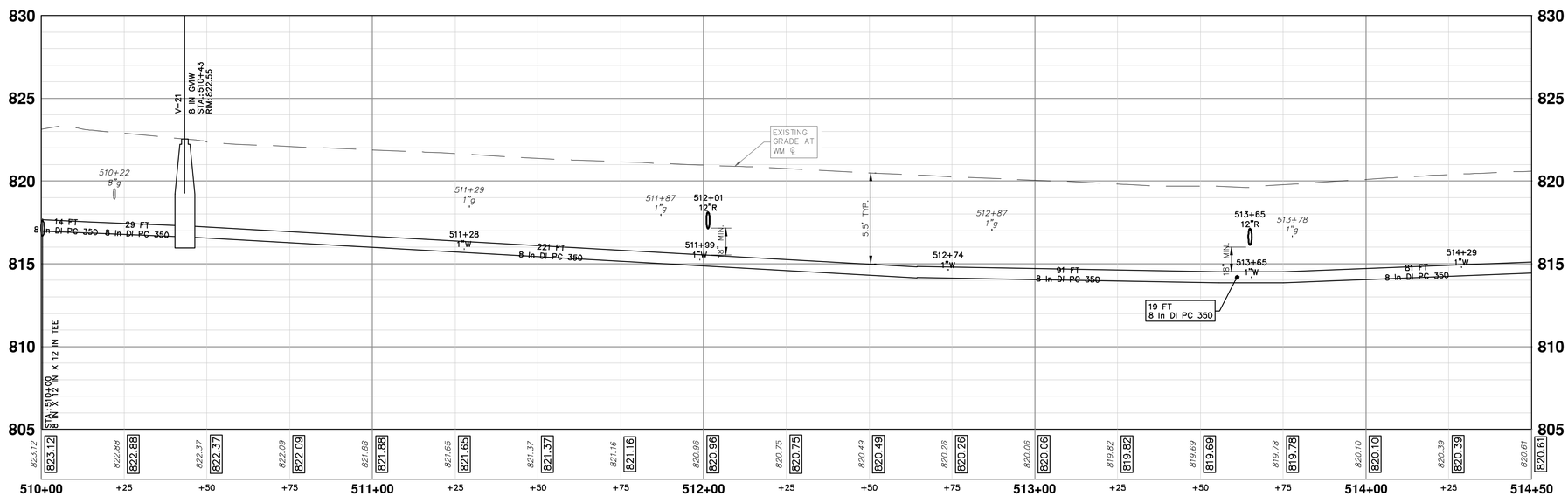
WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

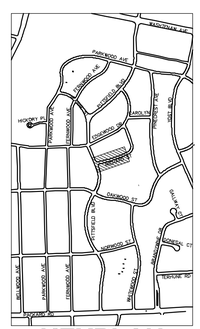
3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-21	8 in GVIW	510+43	822.55	5.91



KEYPLAN



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PITTSFIELD VILLAGE IMPROVEMENTS

RICHARD STREET

WATER MAIN PLAN (STA 510+00. TO STA 514+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-106

SHEET No. 106 OF 167

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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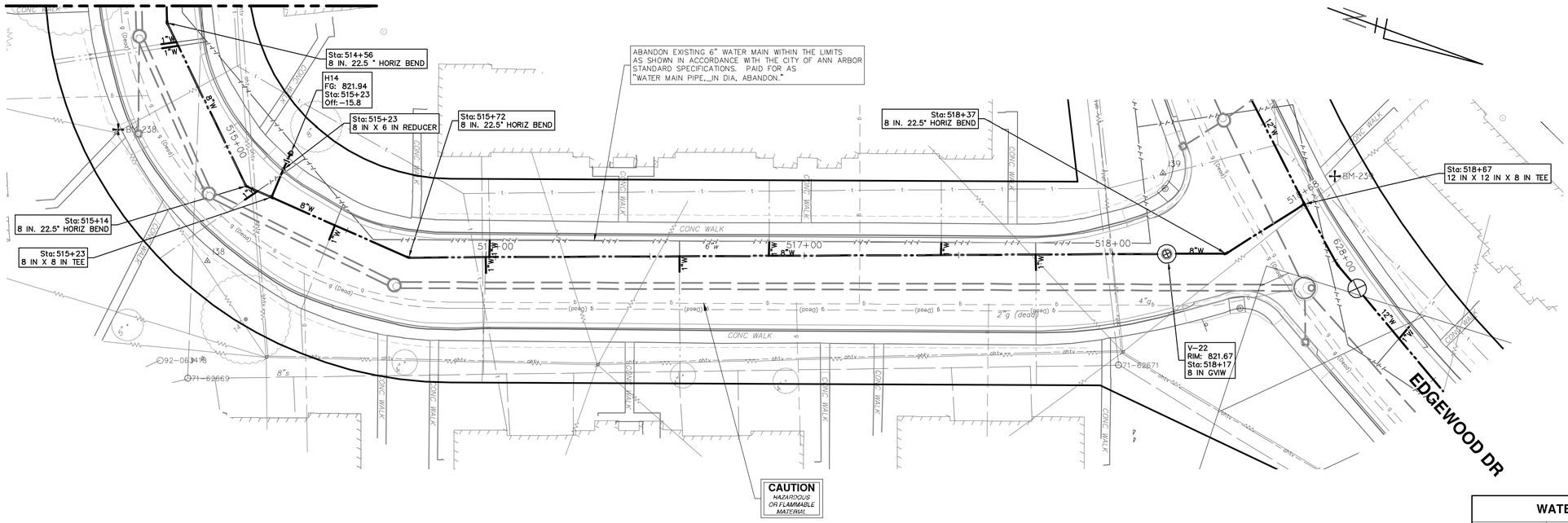
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050RICHARD_WM.dwg Dwg Created: 2-Oct-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

RICHARD STREET



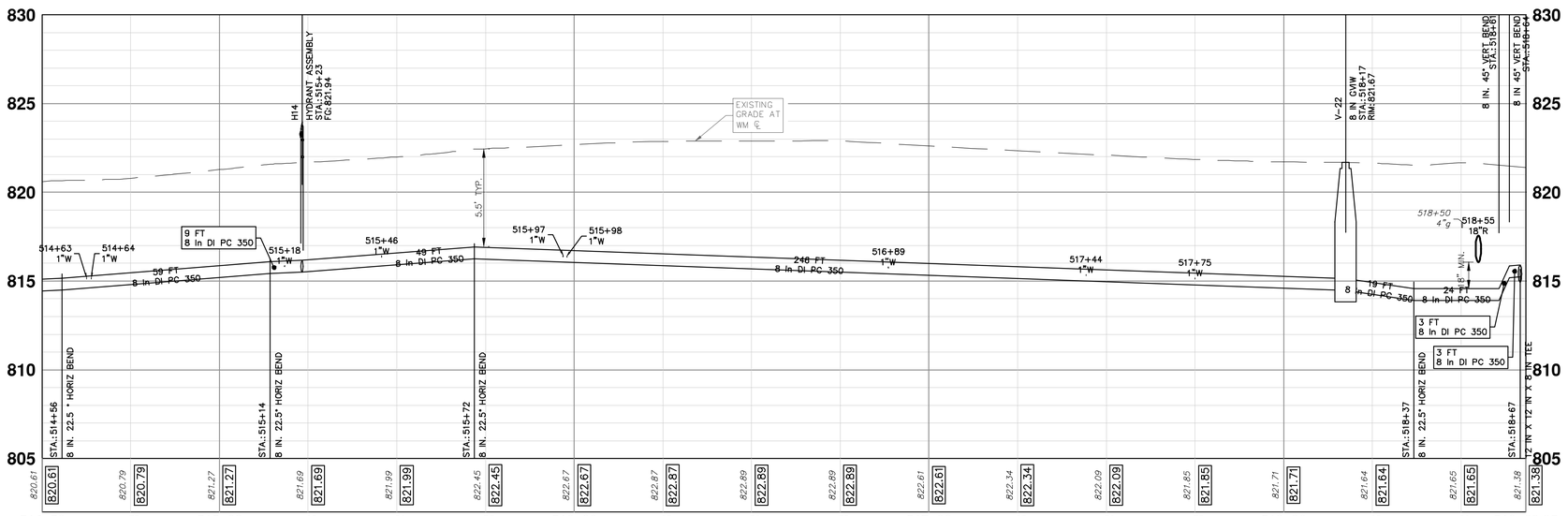
WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

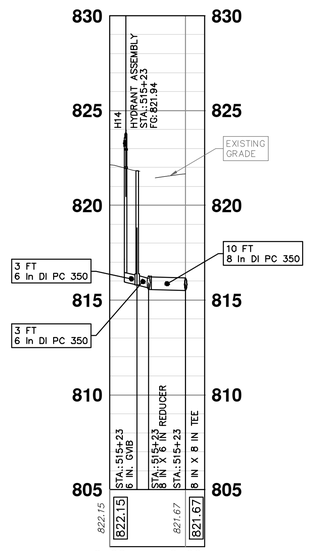
2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

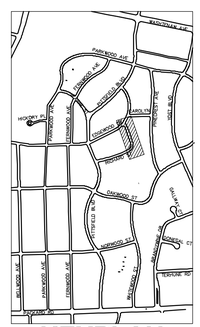
3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
H14	HYDRANT ASSEMBLY	515+23	821.94	6.00
V-22	8 in GVIW	518+17	821.67	7.19







Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

RICHARD STREET

WATER MAIN PLAN (STA 514+50 TO STA 518+68)

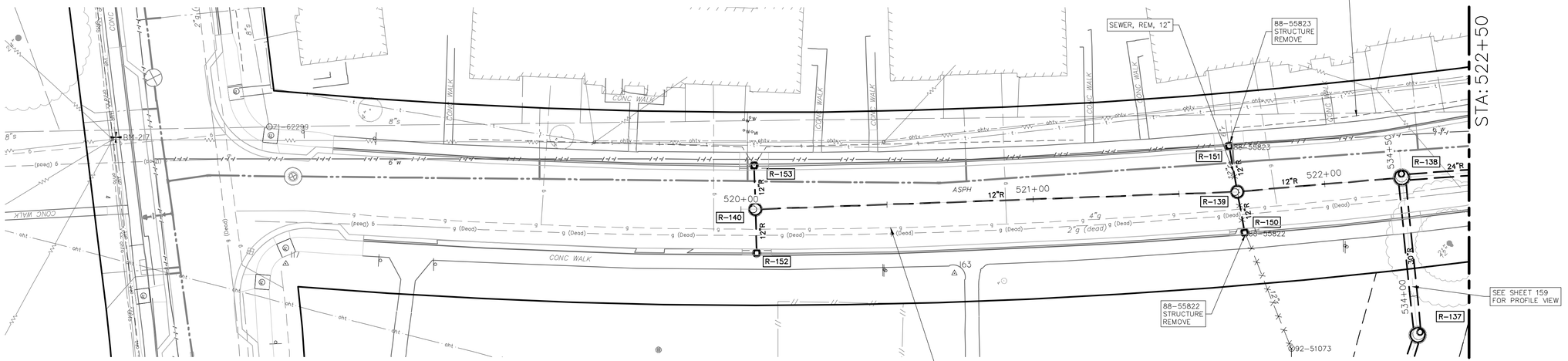
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-107

SHEET No. 107 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050RICHARD_WM.dwg Dwg Created: 2-Oct-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

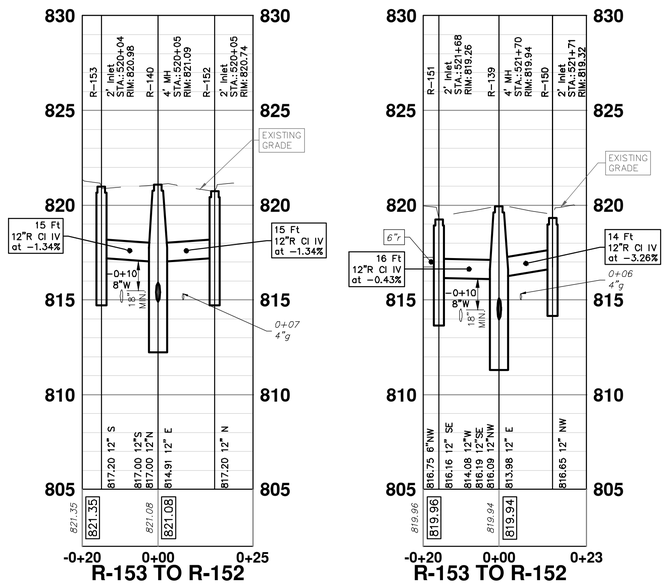
RICHARD STREET



STORM SEWER STRUCTURE TABLE

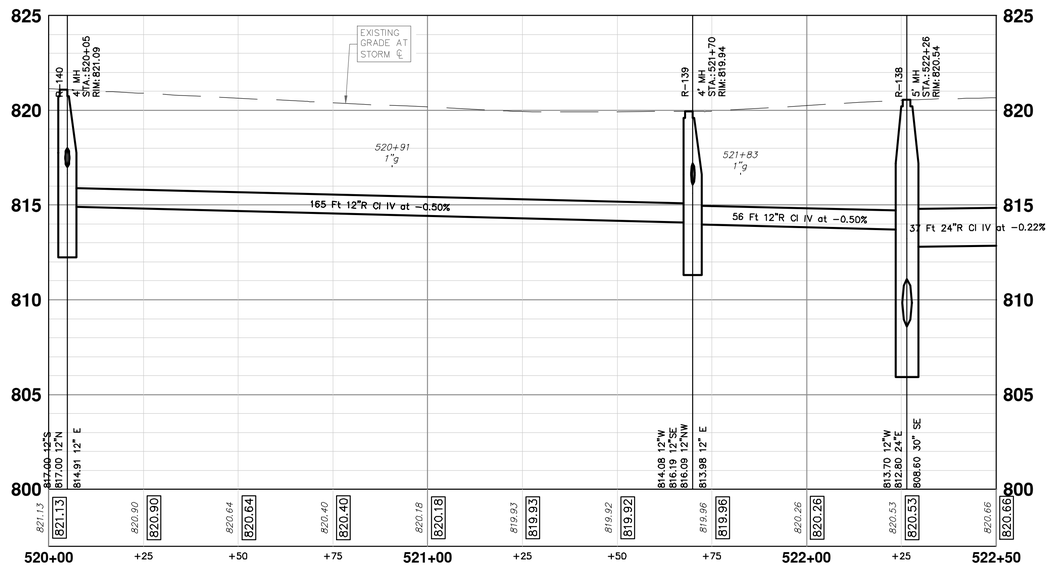
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-138	522+26	5' MH	820.54	30" SE 808.60 12" W 813.70 24" E 812.80	13.94	2'
R-139	521+70	4' MH	819.94	12" E 813.98 12" W 814.08 12" SE 816.19 12" NW 816.09	7.96	2'
R-140	520+05	4' MH	821.09	12" E 814.91 12" S 817.00 12" N 817.00	8.18	2'
R-150	521+71	2' Inlet	819.32	12" NW 816.65	4.67	2'
R-151	521+68	2' Inlet	819.26	12" SE 816.16 6" NW 816.75	5.10	2'
R-152	520+05	2' Inlet	820.74	12" N 817.20	5.54	2'
R-153	520+04	2' Inlet	820.98	12" S 817.20	5.78	2'

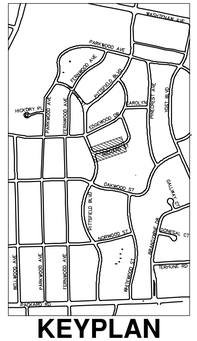
R-140 R-139



R-153 TO R-152
@ STA 520+05

R-153 TO R-152
@ STA 520+05





KEYPLAN

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

RICHARD STREET

STORM SEWER PLAN (STA 520+00. TO STA 522+50)

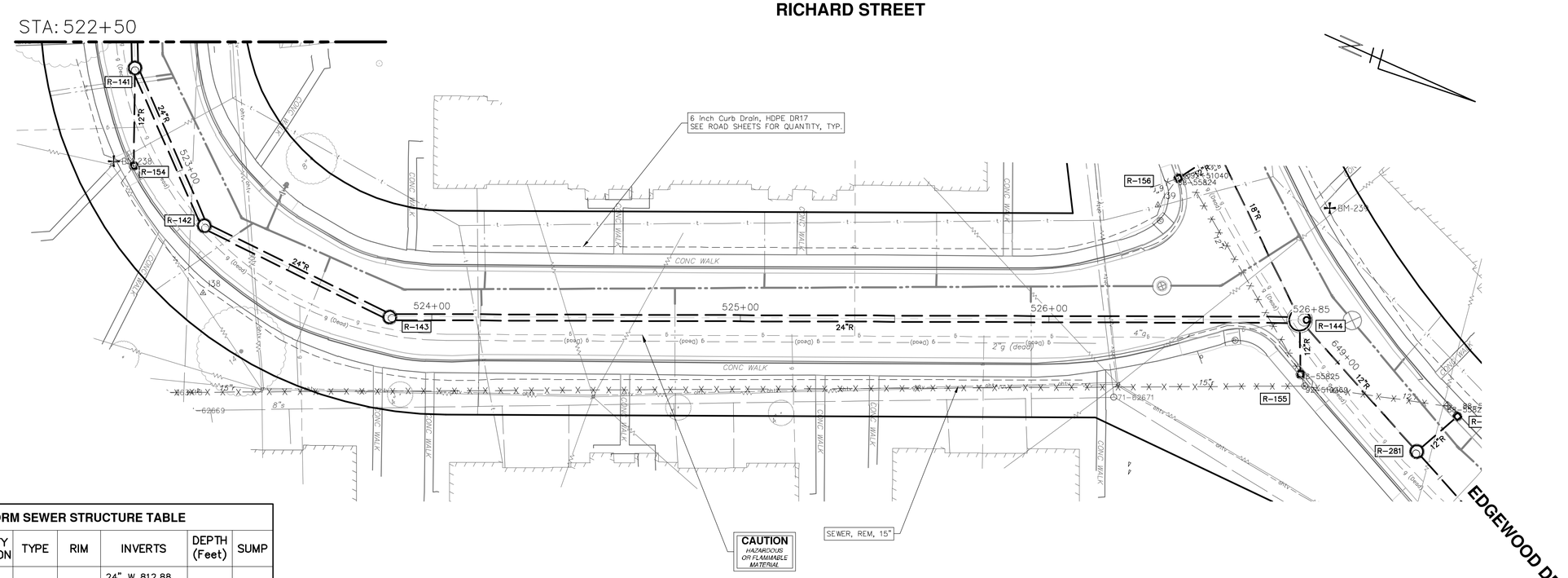
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-108

SHEET No. 108 OF 167

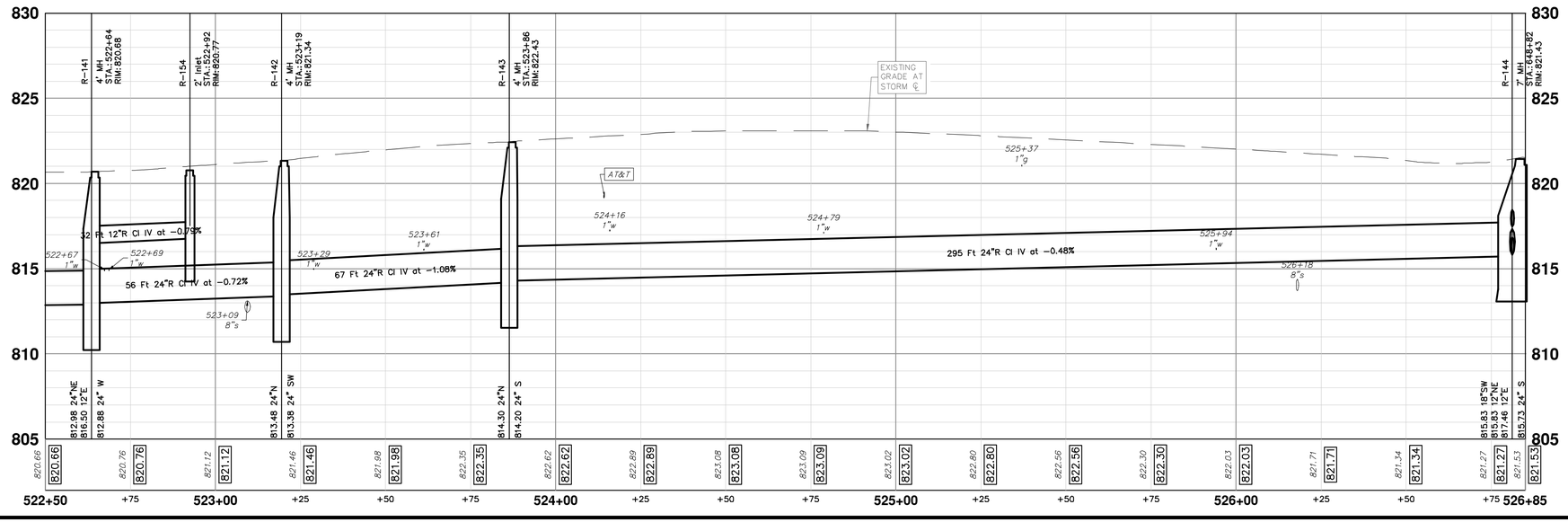
P:\0000_0100\D0282300S0_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050RICHARD_STM.dwg Dwg Created: 15-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

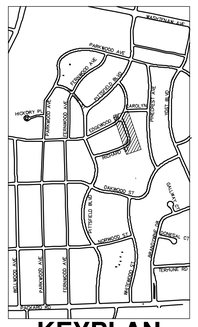
RICHARD STREET



STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-141	522+64	4' MH	820.68	24" W 812.88 24" NE 812.98 12" E 816.50	9.80	2'
R-142	523+19	4' MH	821.34	24" SW 813.38 24" N 813.48	9.96	2'
R-143	523+86	4' MH	822.43	24" S 814.20 24" N 814.30	10.23	2'
R-144	648+82	7' MH	821.43	24" S 815.73 18" SW 815.83 12" NE 815.83 12" E 817.46	7.70	2'
R-154	522+92	2' Inlet	820.77	12" W 816.75	6.02	2'
R-155	648+95	2' Inlet	821.00	12" W 816.94	6.06	2'





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01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

RICHARD STREET

STORM SEWER PLAN (STA 522+50 TO STA 526+85)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

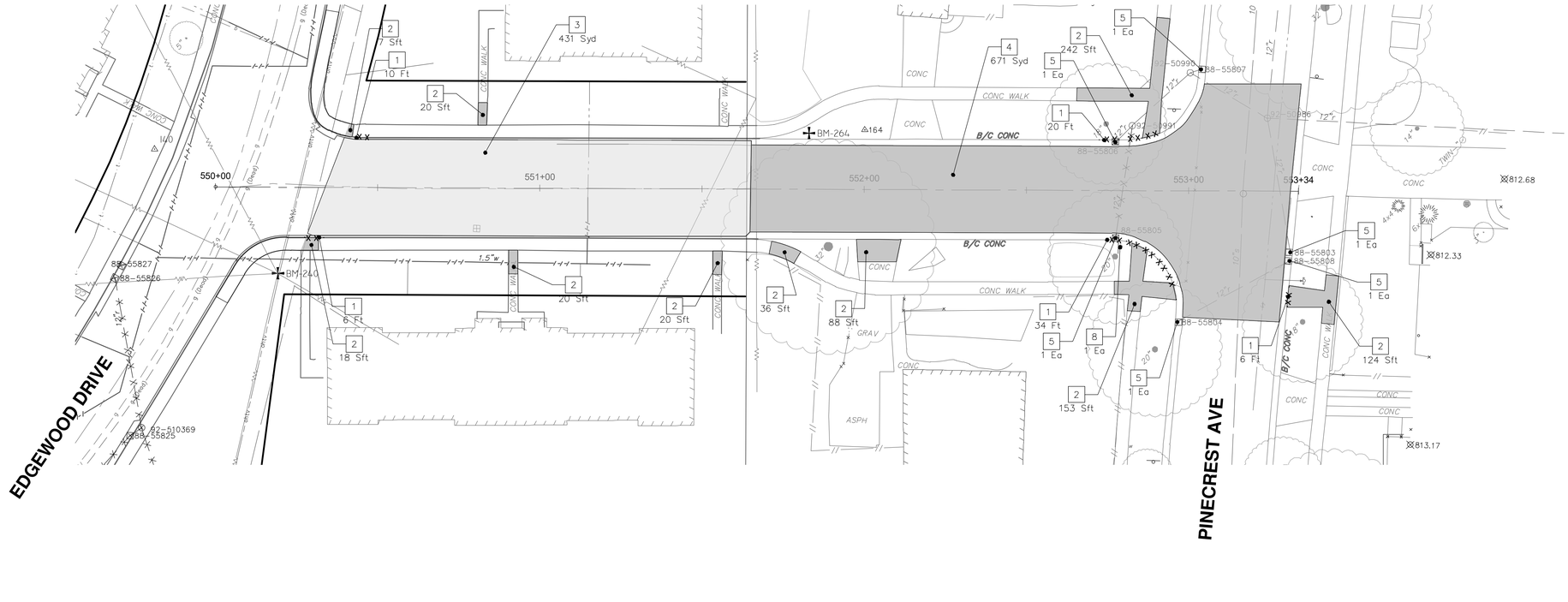
DRAWING No. 2022-031-109

SHEET No. 109 OF 167

Know what's below. Call before you dig.

P:\0000_0100\002823050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050RICHARD_STM.dwg Dwg Created: 15-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

CAROLYN STREET

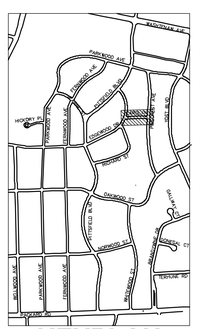


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

CAROLYN STREET

REMOVAL PLAN (STA 550+00 TO STA 553+34

SCALE PLAN: ######

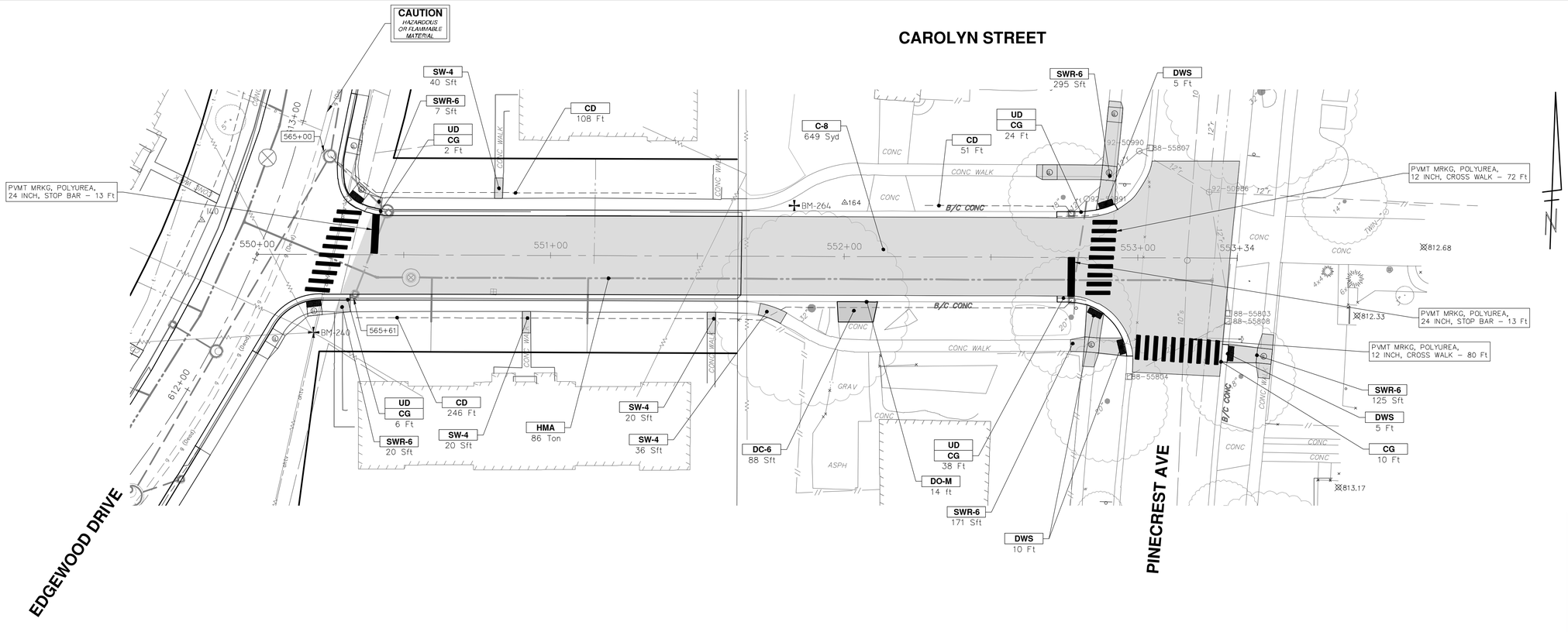
DRAWING No. 2022-031-110

SHEET No. 110 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050CAROLYN_REM.dwg Dwg Created: 23-Jul-24 — o2 standard bw.stb — Plot Date: 23-Jan-25

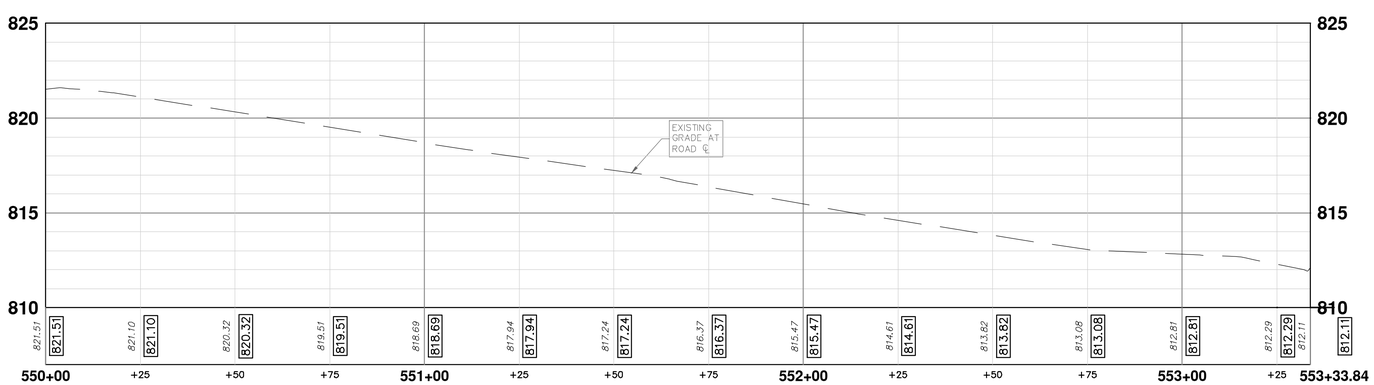
P:\0000_0100\00282300S0_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230S0CAROLYN_CON.dwg Dwg Created: 1-Aug-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

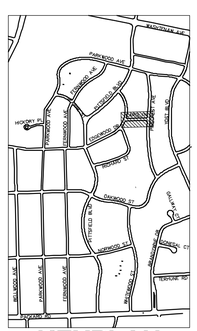
CAROLYN STREET



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

CAROLYN STREET

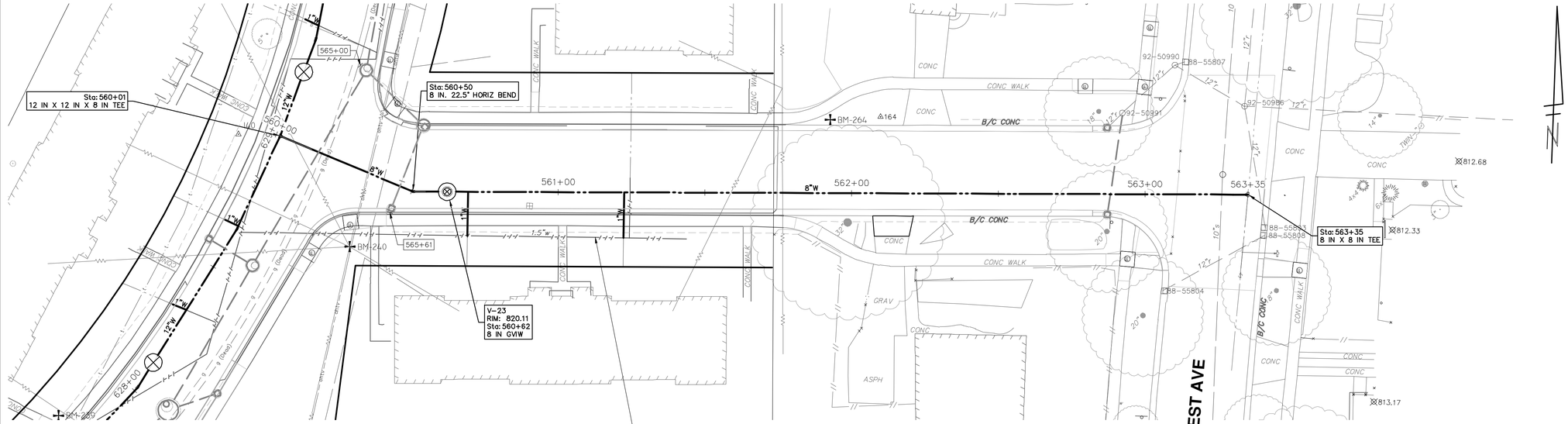
ROAD PLAN (STA 550+00 TO STA 553+34)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-111

SHEET No. 111 OF 167

CAROLYN STREET



EDGEWOOD DRIVE

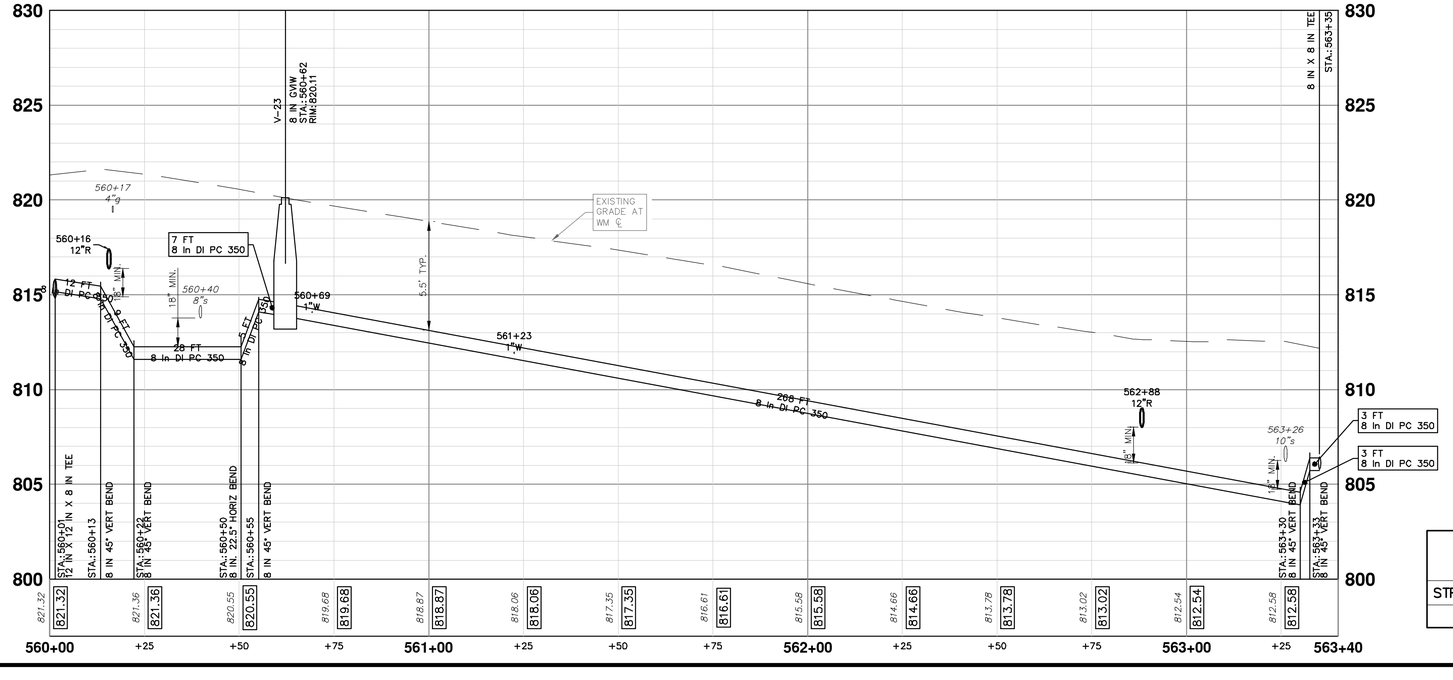
PINECREST AVE

ABANDON EXISTING 1.5" WATER MAIN WITHIN THE LIMITS AS SHOWN IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS. PAID FOR AS "WATER MAIN PIPE, _IN. DIA, ABANDON"

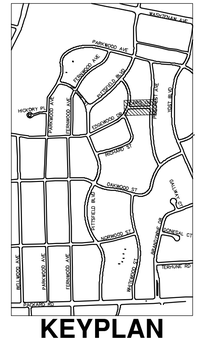
WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.



WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V-23	8 in GVIW	560+62	820.11	6.24



KEYPLAN

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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

CAROLYN STREET

WATER MAIN PLAN (STA 560+00 TO STA 563+36)

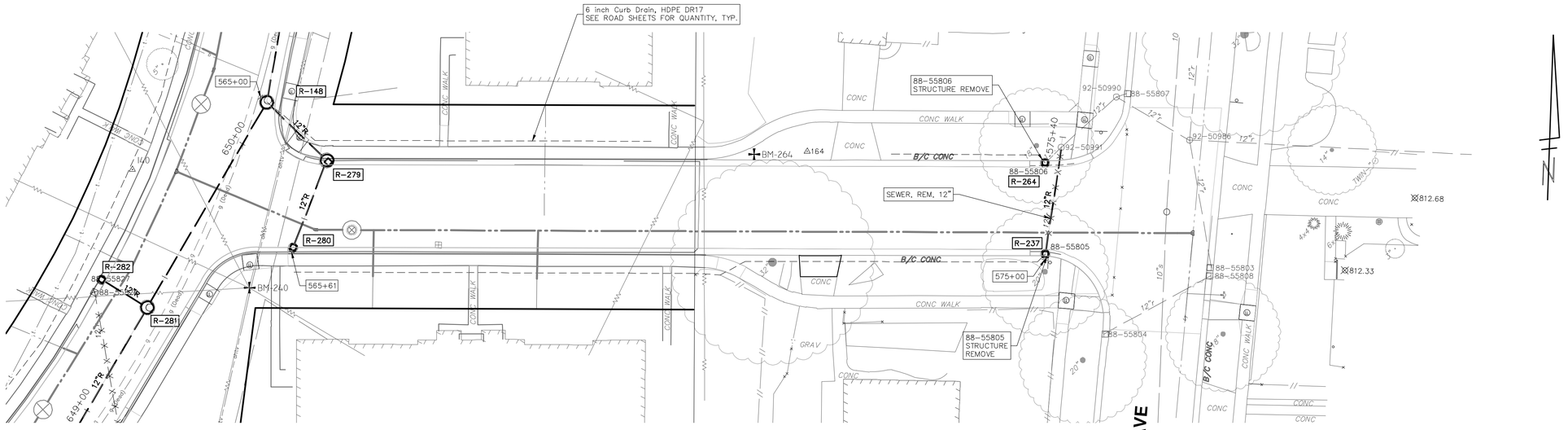
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

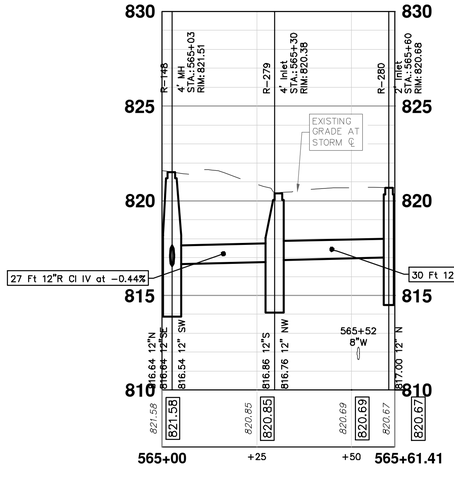
DRAWING No. 2022-031-112

SHEET No. 112 OF 167

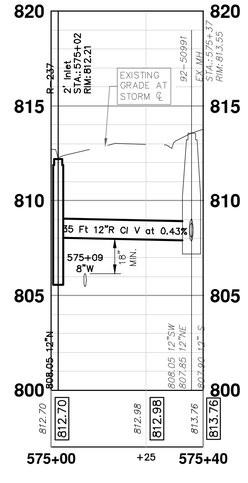
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050CAROLYN_WM.dwg Dwg Created: 8-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

CAROLYN STREET

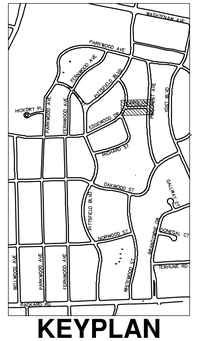




STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-148	565+03	4' MH	821.51	12" SW 816.54 12" N 816.64 12" SE 816.64	6.97	2'
R-279	565+30	4' Inlet	820.38	12" NW 816.76 12" S 816.86	5.62	2'
R-280	565+60	2' Inlet	820.68	12" N 817.00	5.68	2'



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-50991	575+37	EX MH	813.55	12" S 807.90 12" SW 808.05 12" NE 807.85	5.70	0'
R-237	575+02	2' Inlet	812.21	12" N 808.05	6.16	2'
R-264	575+31	2' Inlet	812.68	12" NE 808.28	6.40	2'



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

CAROLYN STREET

STORM SEWER PLAN (STA 575+00 TO STA 575+40)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-113

SHEET No. 113 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500CAROLYN_STM.dwg Dwg Created: 8-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

REMOVAL PLAN (STA 600+00 TO STA 608+50)

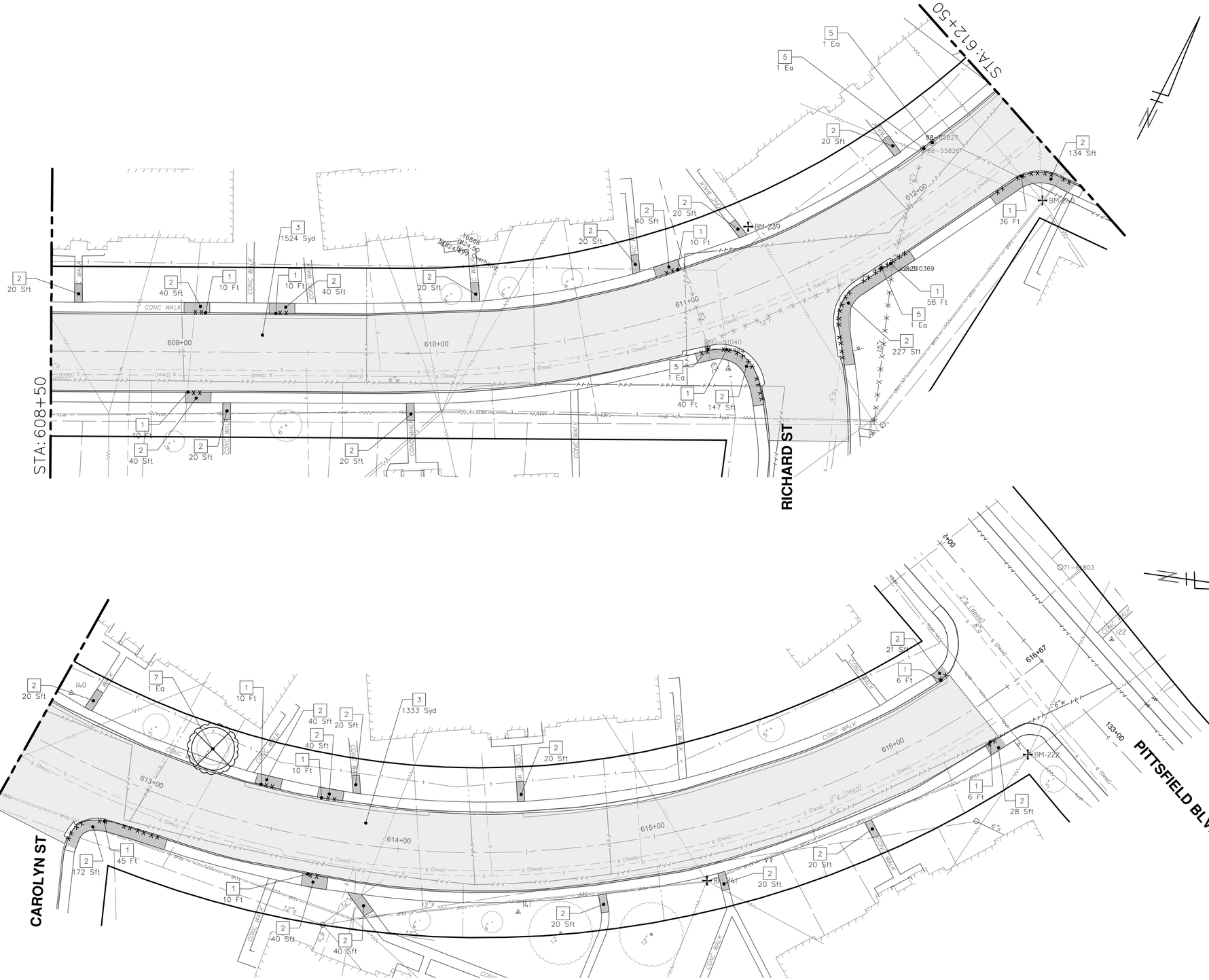
SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-114

SHEET No. 114 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050EDGEWOOD_REM.dwg Dwg Created: 11-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

EDGEWOOD DRIVE

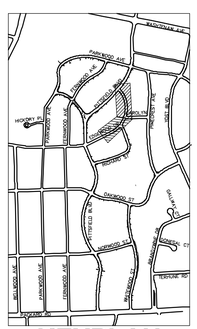


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

REMOVAL PLAN (STA 608+50 TO STA 616+67)

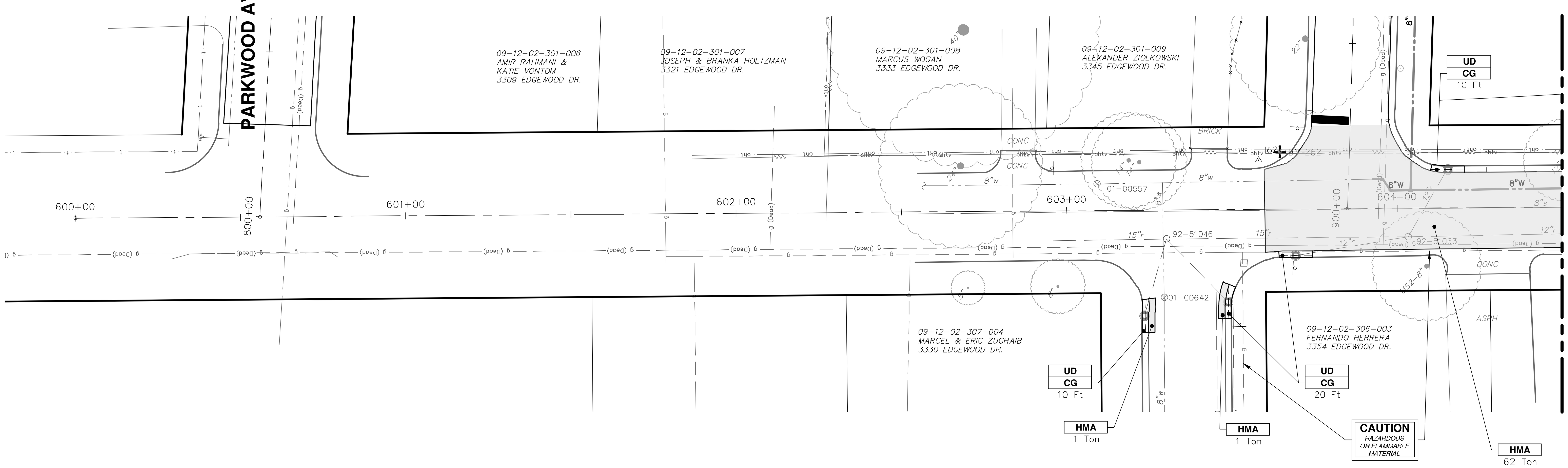
SCALE: PLAN: 1" = 20'

DRAWING No. 2022-031-115

SHEET No. 115 OF 167

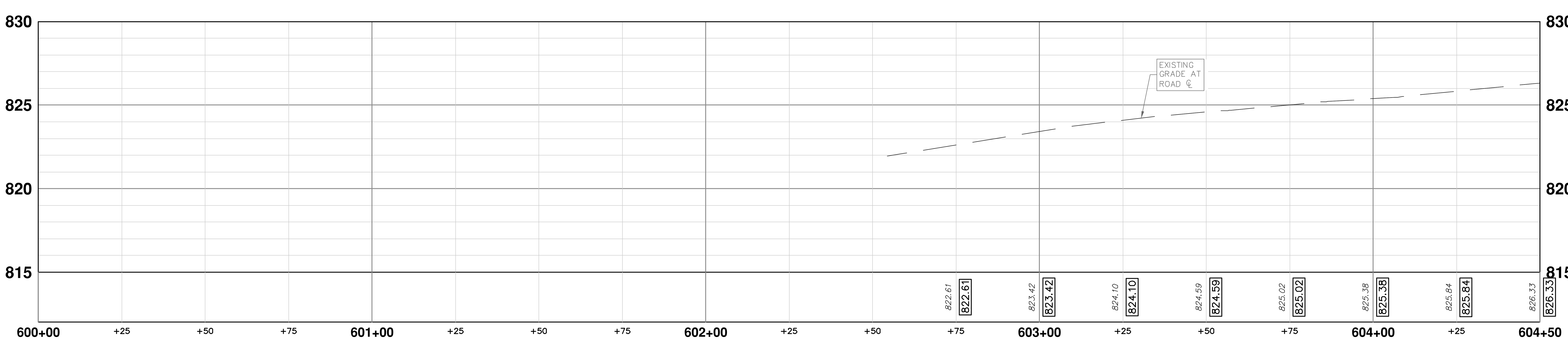
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050EDGEWOOD_REM.dwg Dwg Created: 11-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

EDGEWOOD DRIVE



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR MICHIGAN

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

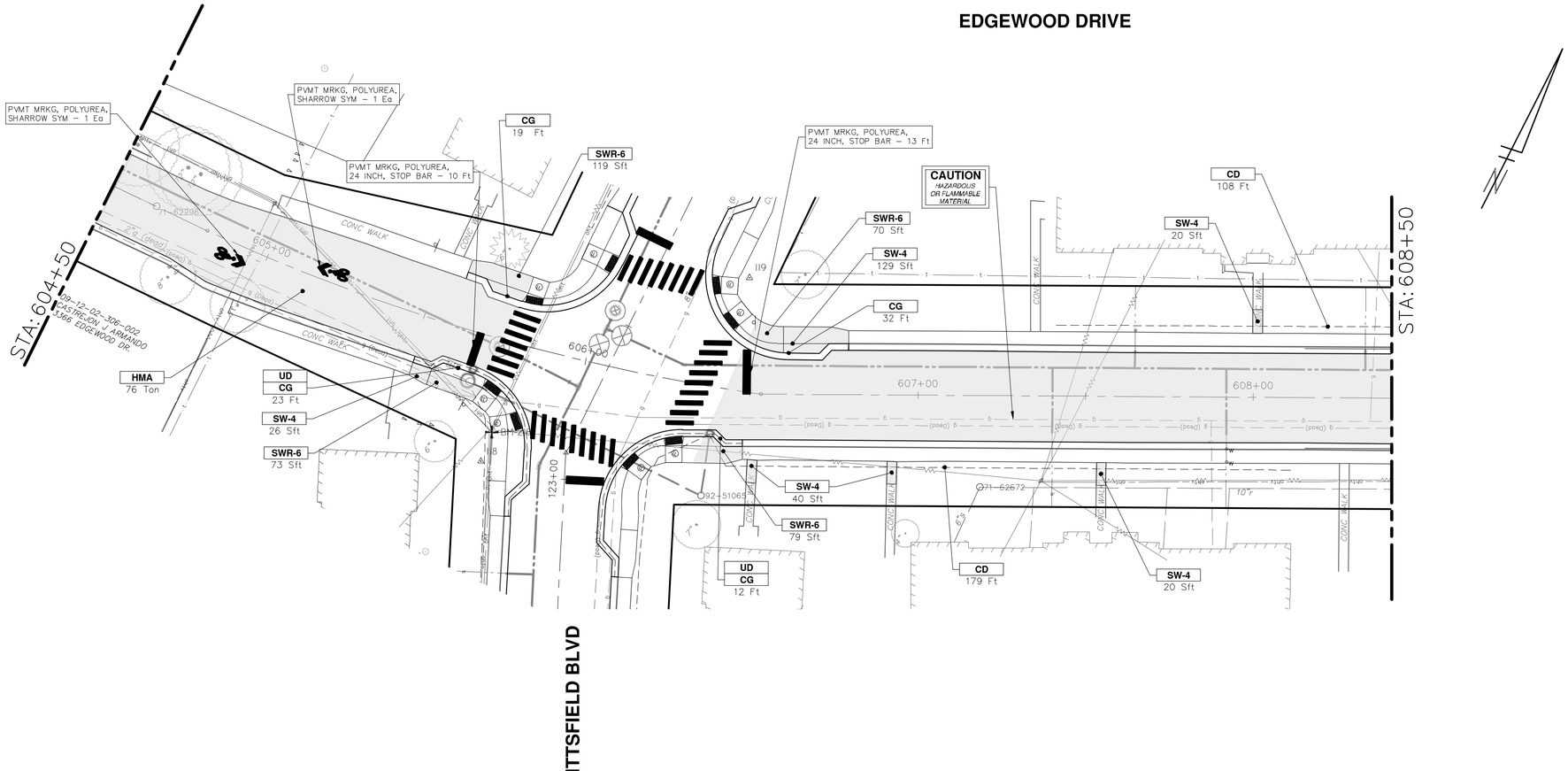
ROAD PLAN (STA 600+00 TO STA 604+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-116

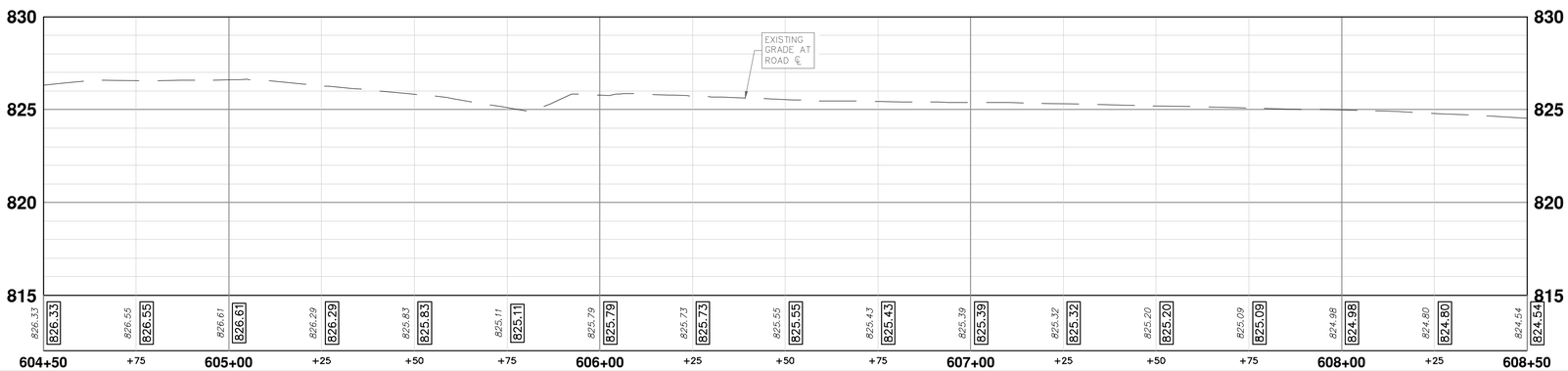
SHEET No. 116 OF 167

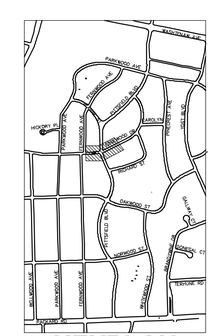
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_CON.dwg Dwg Created: 18-Dec-24 - _a2 standard bw.stb - Plot Date: 23-Jan-25



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

ROAD PLAN (STA 604+50 TO STA 608+50)

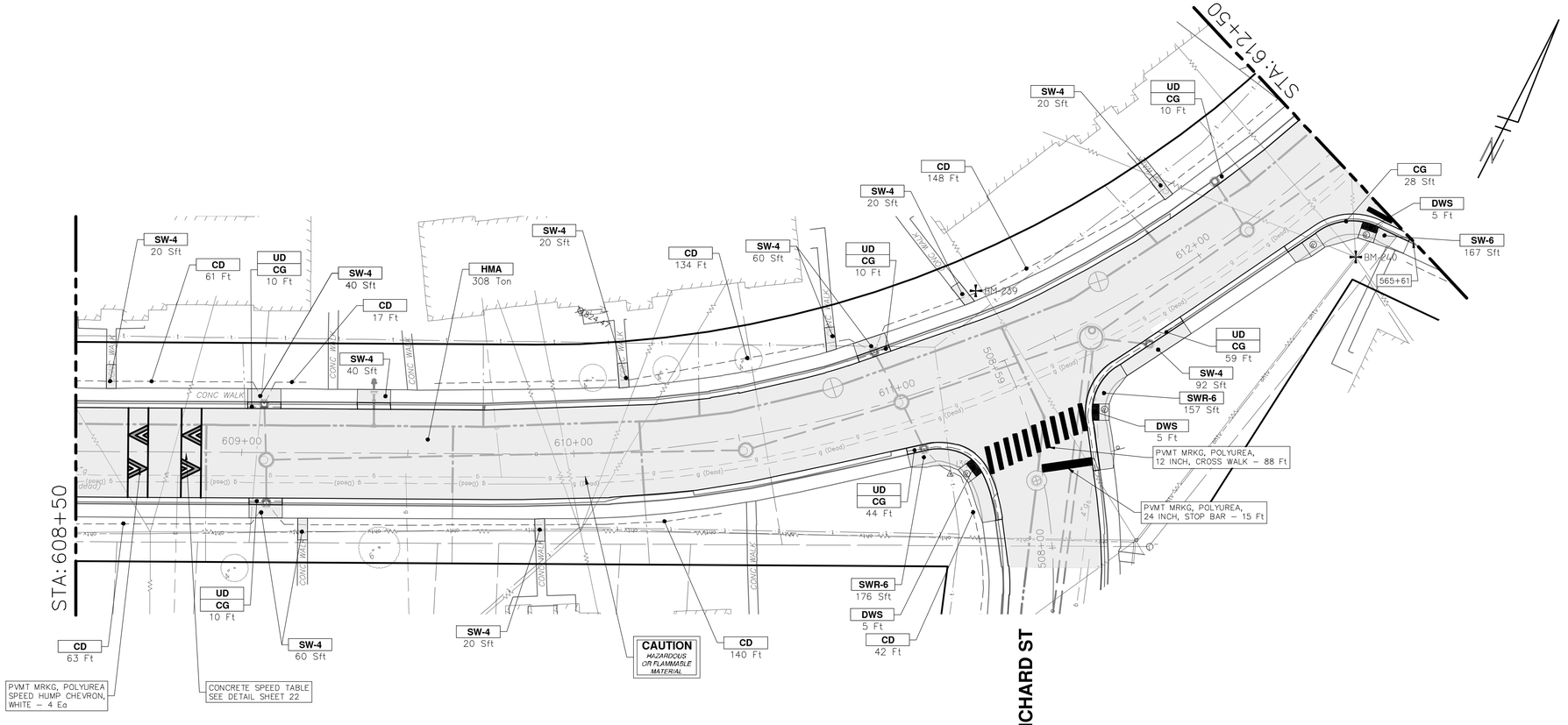
SCALE 1" = 20'
PROFILE: 1" = 4'

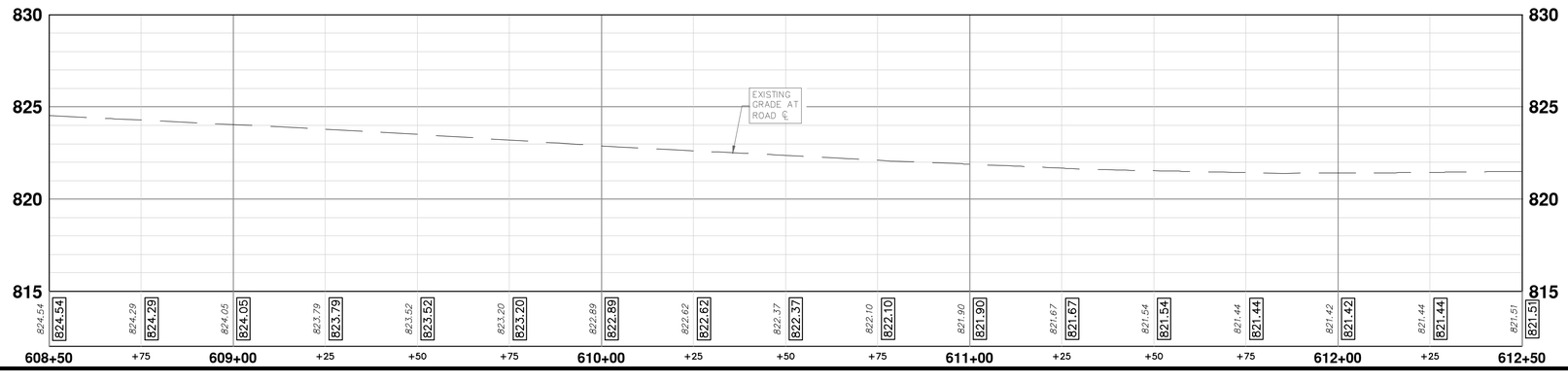
DRAWING No. 2022-031-117

SHEET No. 117 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_CON.dwg Dwg Created: 18-Dec-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25

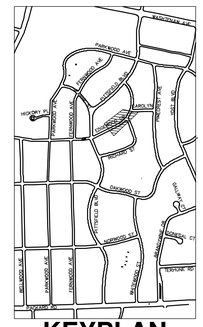
EDGEWOOD DRIVE





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

ROAD PLAN (STA 608+50 TO STA 612+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

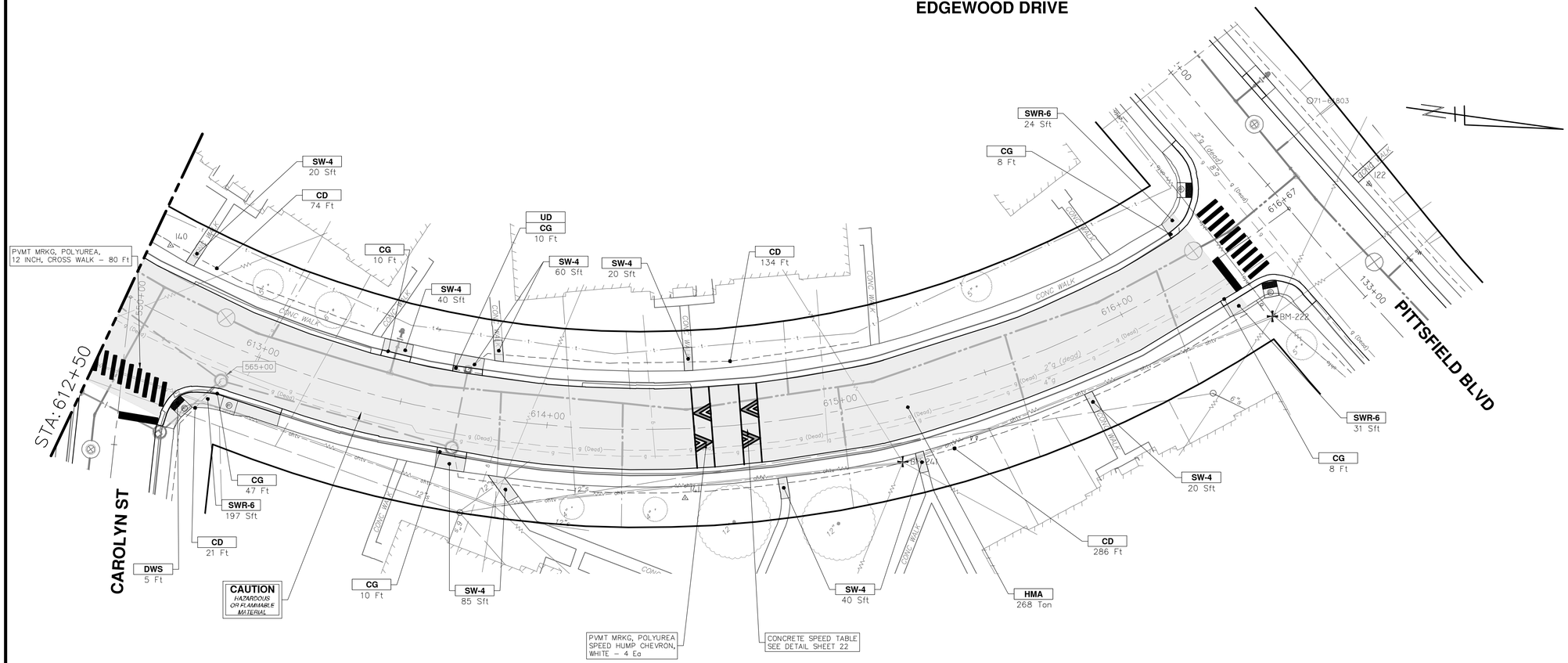
DRAWING No. 2022-031-118

SHEET No. 118 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_CON.dwg Dwg Created: 18-Dec-24 – _02 standard bw.stb – Plot Date: 23-Jan-25

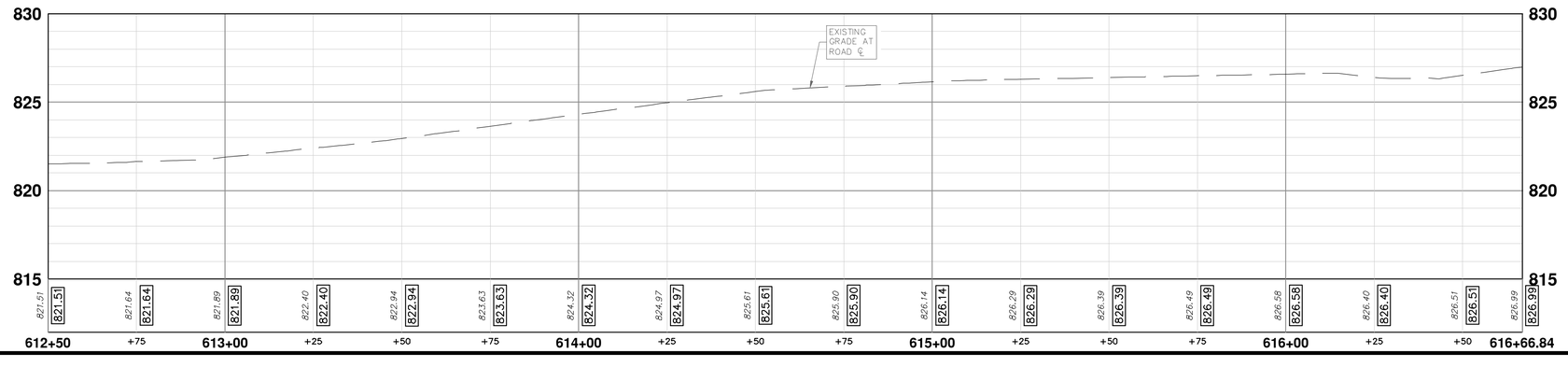
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_CON.dwg Dwg Created: 18-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

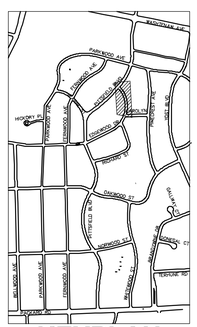
EDGEWOOD DRIVE



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

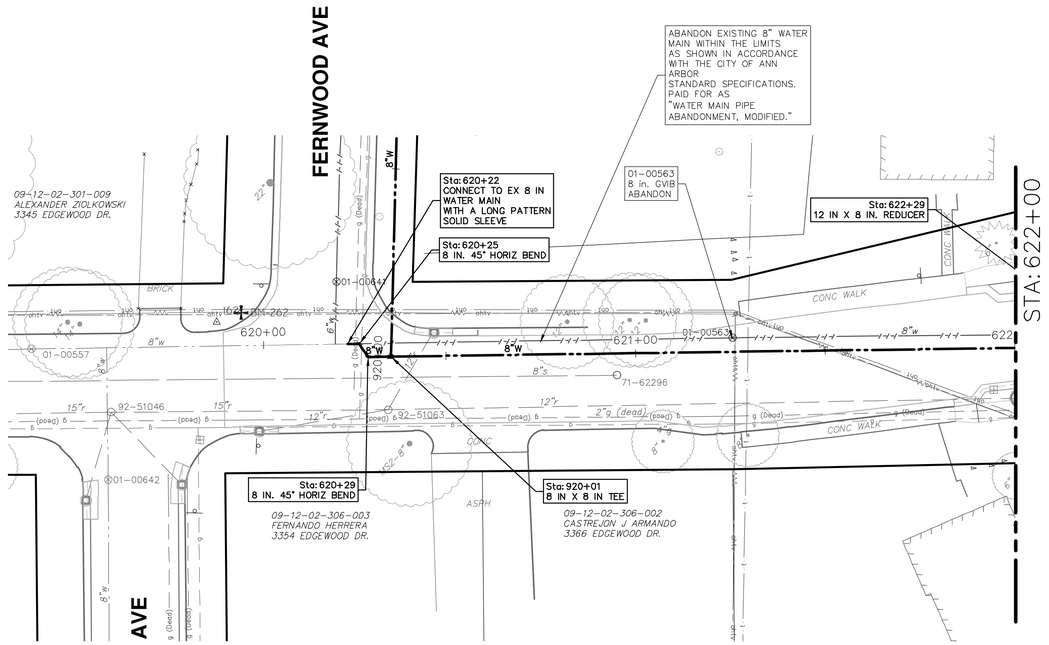
ROAD PLAN (STA 612+50 TO STA 616+67)

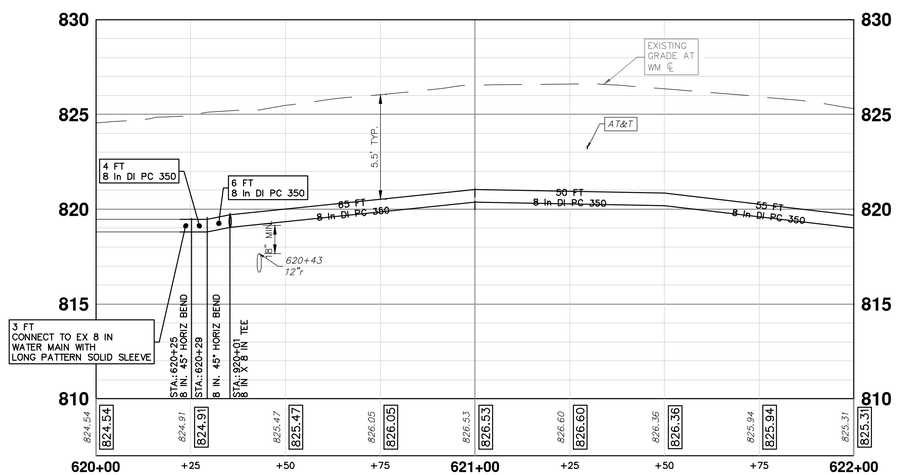
SCALE **PLAN: 1" = 20'** **PROFILE: 1" = 4'**

DRAWING No. **2022-031-119**

SHEET No. **119 OF 167**

EDGEWOOD DRIVE

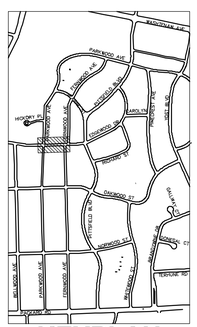




WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.



KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-120

SHEET No. 120 OF 167

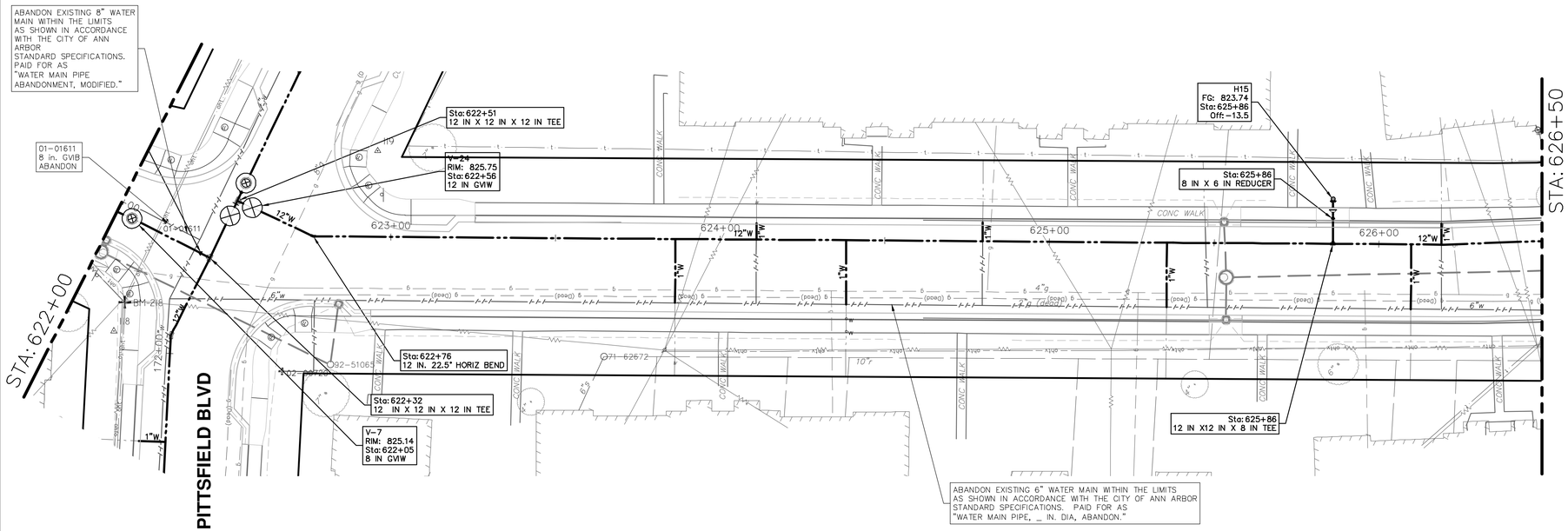
PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

WATER MAIN PLAN (STA 620+00 TO STA 622+00)

P:\0000_0100\002822300050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\2300500EDGEWOOD_WM.dwg Dwg Created: 10-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

EDGEWOOD DRIVE



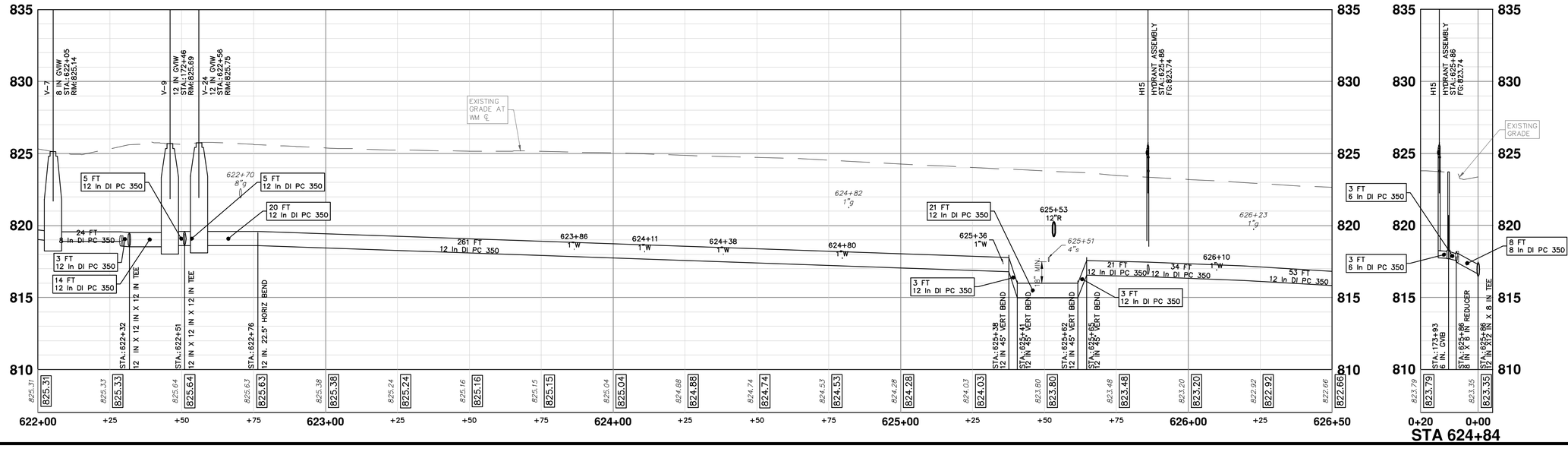
WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

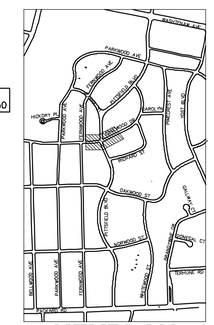
2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-25	12 in GVIW	627+25	821.84	6.75
V-26	12 in GVIW	628+12	821.27	6.59
V-27	12 in GVIW	629+23	821.58	6.49
H16	HYDRANT ASSEMBLY	629+82	823.51	6.00





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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

WATER MAIN PLAN (STA 622+00 TO STA 626+50)

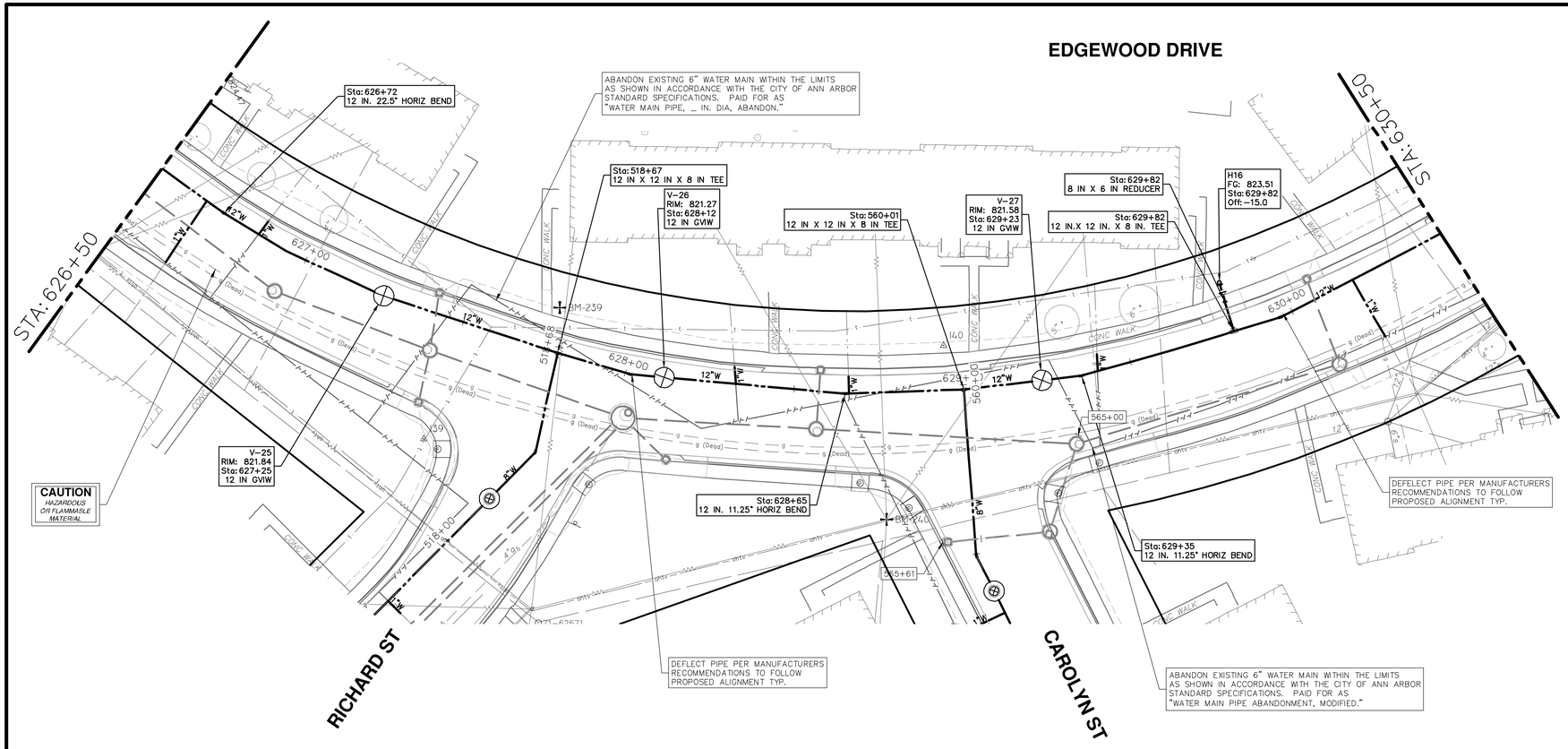
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-121

SHEET No. 121 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_WM.dwg Dwg Created: 10-Jan-25 — _o2 standard bw.stb — Plot Date: 23-Jan-25

EDGEWOOD DRIVE



WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-25	12 in GVIW	627+25	821.84	6.75
V-26	12 in GVIW	628+12	821.27	6.59
V-27	12 in GVIW	629+23	821.58	6.49
H16	HYDRANT ASSEMBLY	629+82	823.51	6.00

WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

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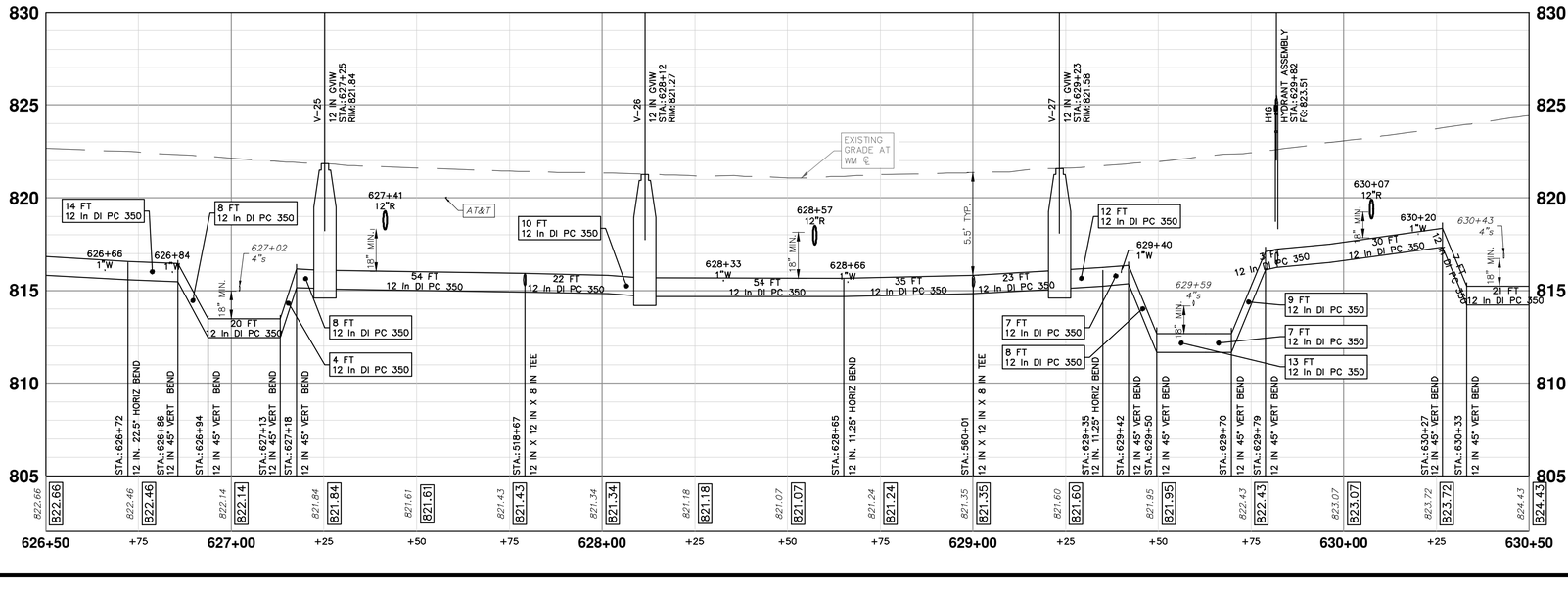
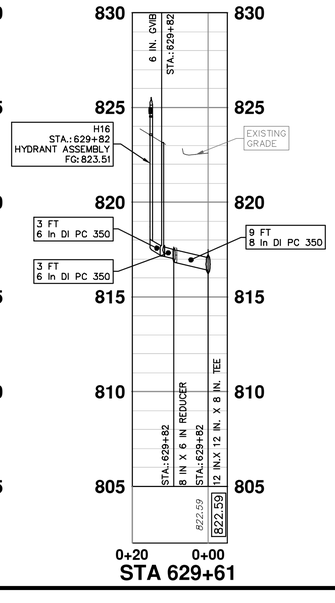
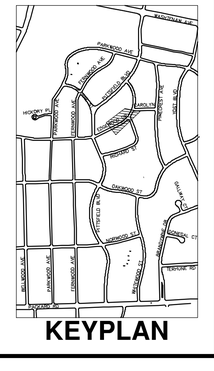


H16



STA 629+61



811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

WATER MAIN PLAN (STA 626+50 TO STA 630+50)

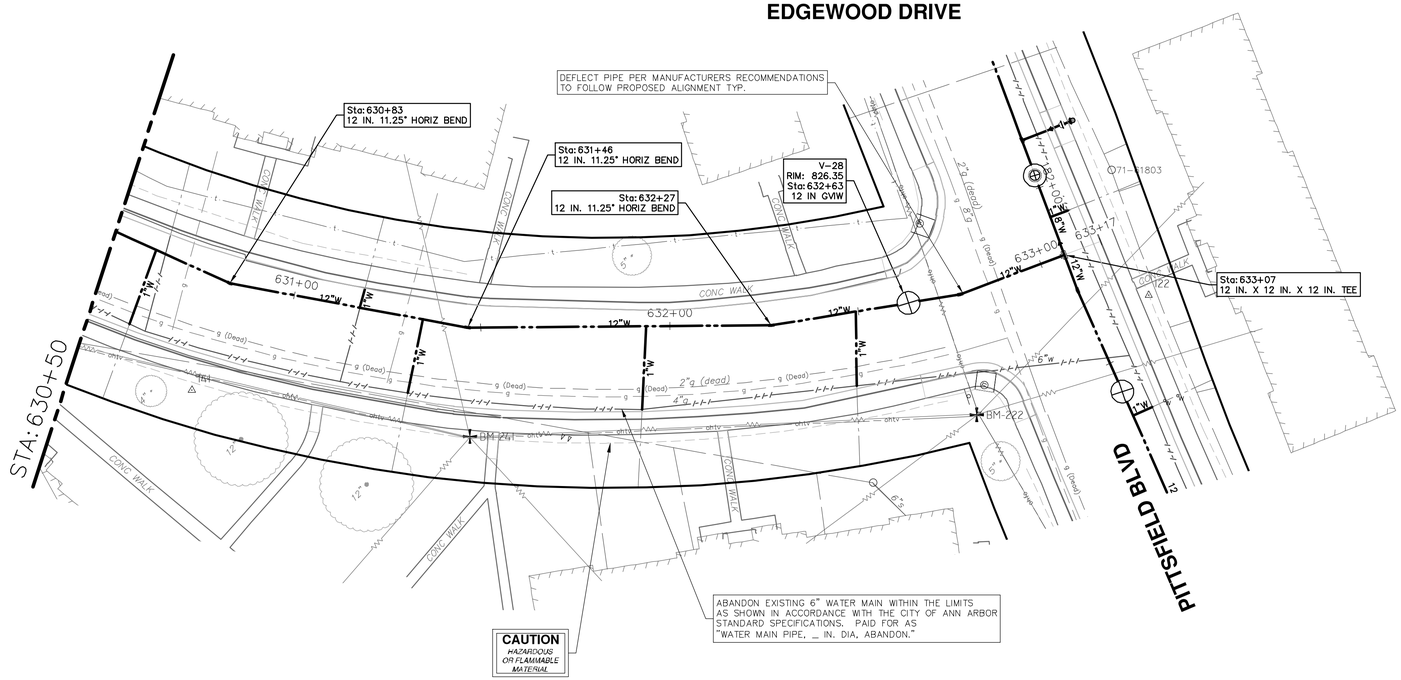
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-122

SHEET No. 122 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_WM.dwg Dwg Created: 10-Jan-25 — _o2 standard bw.stb — Plot Date: 23-Jan-25

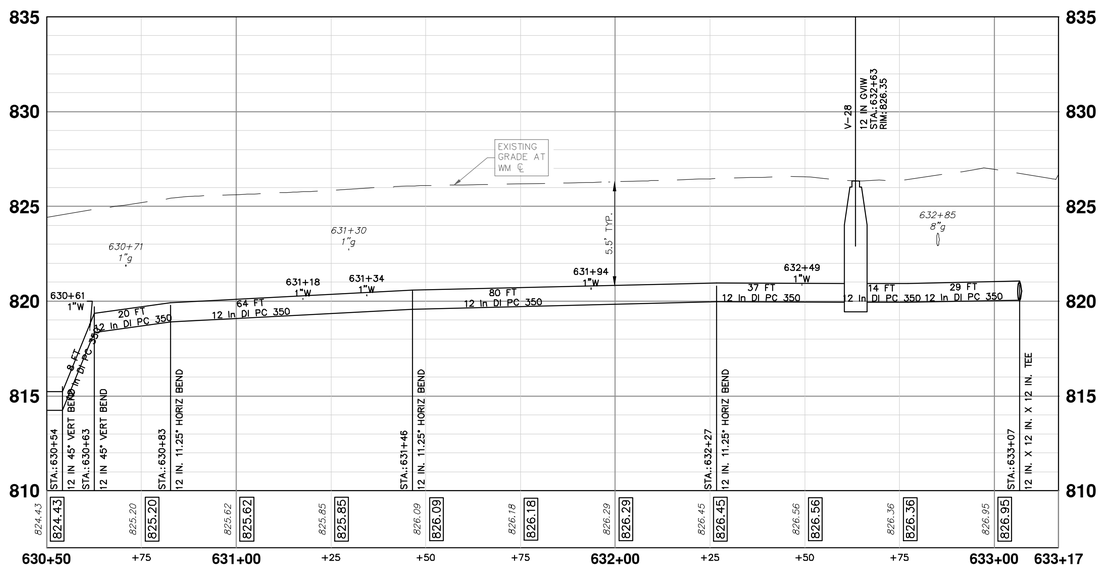
EDGEWOOD DRIVE



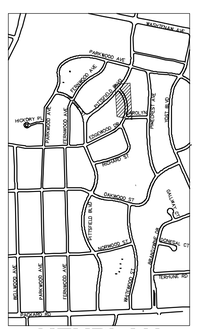
WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.



WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V-28	12 in GVIW	632+63	826.35	6.42



Know what's below. Call before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

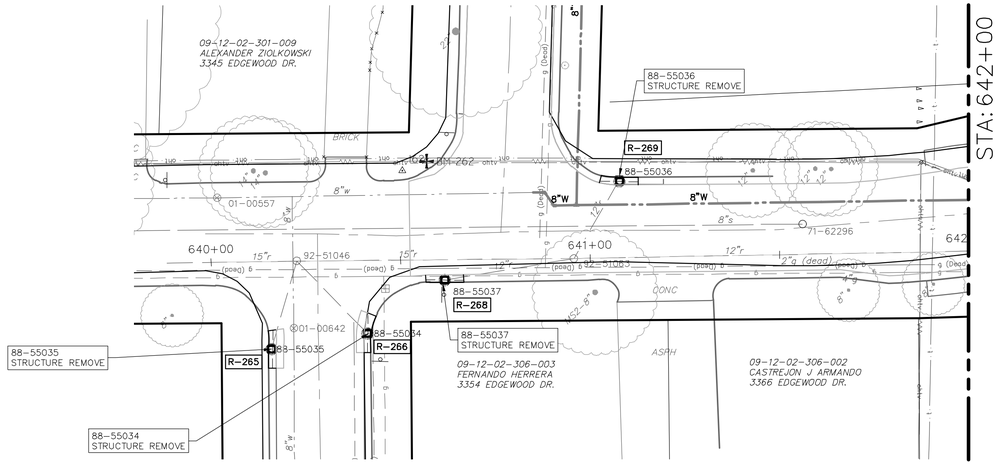
EDGEWOOD DRIVE

WATER MAIN PLAN (STA 630+50 TO STA 633+17)

SCALE 1" = 20' | PROFILE: 1" = 4' | DRAWING No. 2022-031-123

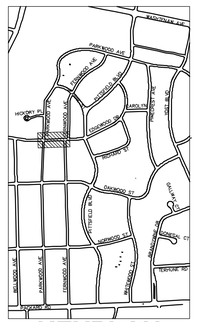
P:\0000_0100\002823050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\23005OEDGEWOOD_WM.dwg Dwg Created: 10-Jan-25 — _o2 standard bw.stb — Plot Date: 23-Jan-25

EDGEWOOD DRIVE



FERNWOOD AVE

STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-51046	640+23	EX MH	824.34	15" W 815.79 12" S 819.87 12" SE 819.95 15" E 815.83	8.55	0'
92-51063	640+96	EX MH	825.46	12" E 816.50 15" W 816.56 12" W 818.95 12" NE 816.50	8.96	0'
R-265	640+16	2' Inlet	823.72	12" N 820.82	4.90	2'
R-266	640+41	2' Inlet	824.31	12" NW 822.00	4.31	2'
R-268	640+62	2' Inlet	824.54	12" E 819.35	7.19	2'
R-269	641+08	2' Inlet	824.96	12" SW 816.74	10.22	2'



KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

STORM SEWER PLAN (STA 640+00 TO STA 642+00)

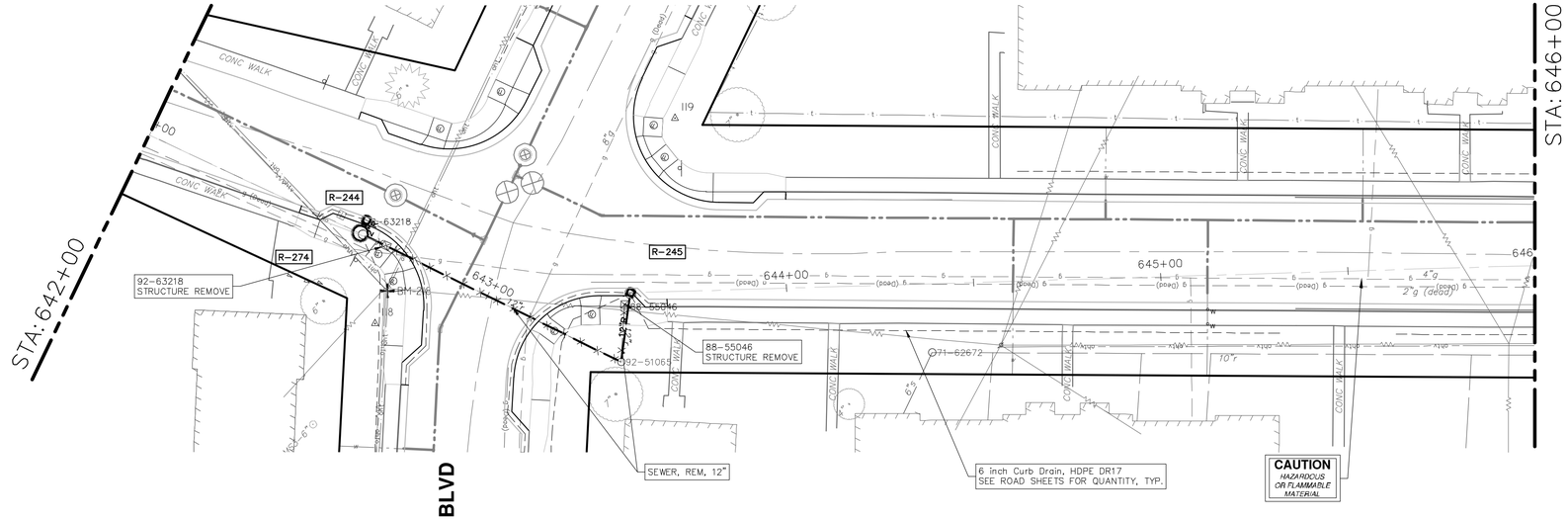
SCALE **PLAN: 1" = 20'**

DRAWING No. **2022-031-124**

SHEET No. **124 OF 167**

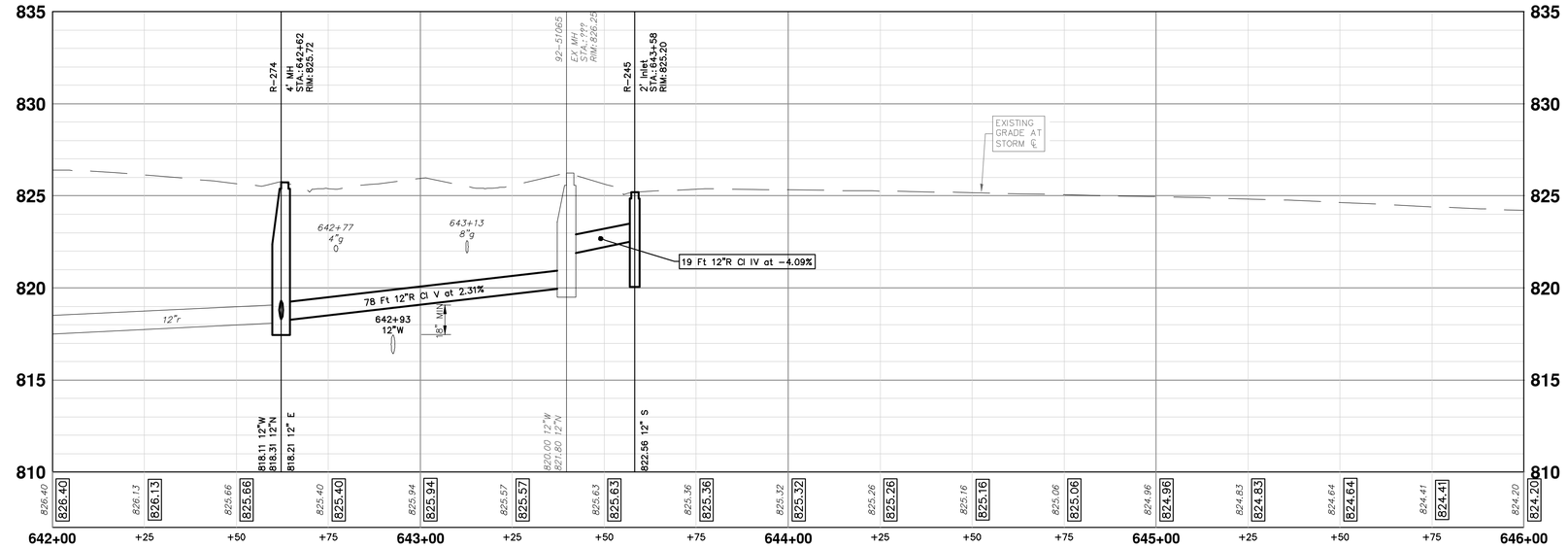
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_STM.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

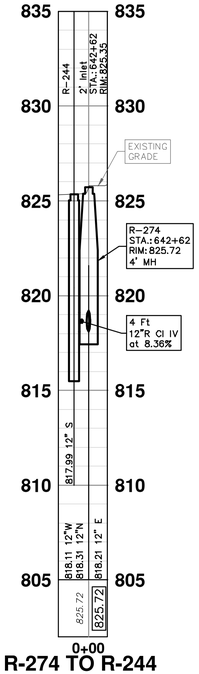
EDGEWOOD DRIVE



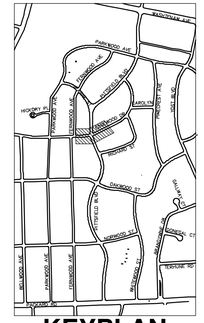
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-51065	???	EX MH	826.25	12" W 820.00 12" N 821.80	6.25	0'
R-244	642+62	2' Inlet	825.35	12" S 817.99	9.36	2'
R-245	643+58	2' Inlet	825.20	12" S 822.56	4.64	2'
R-274	642+62	4' MH	825.72	12" E 818.21 12" W 818.11 12" N 818.31	7.61	0'

R-274





R-274 TO R-244
@ STA 642+62



KEYPLAN

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

STORM SEWER PLAN (STA 642+00 TO 646+00)

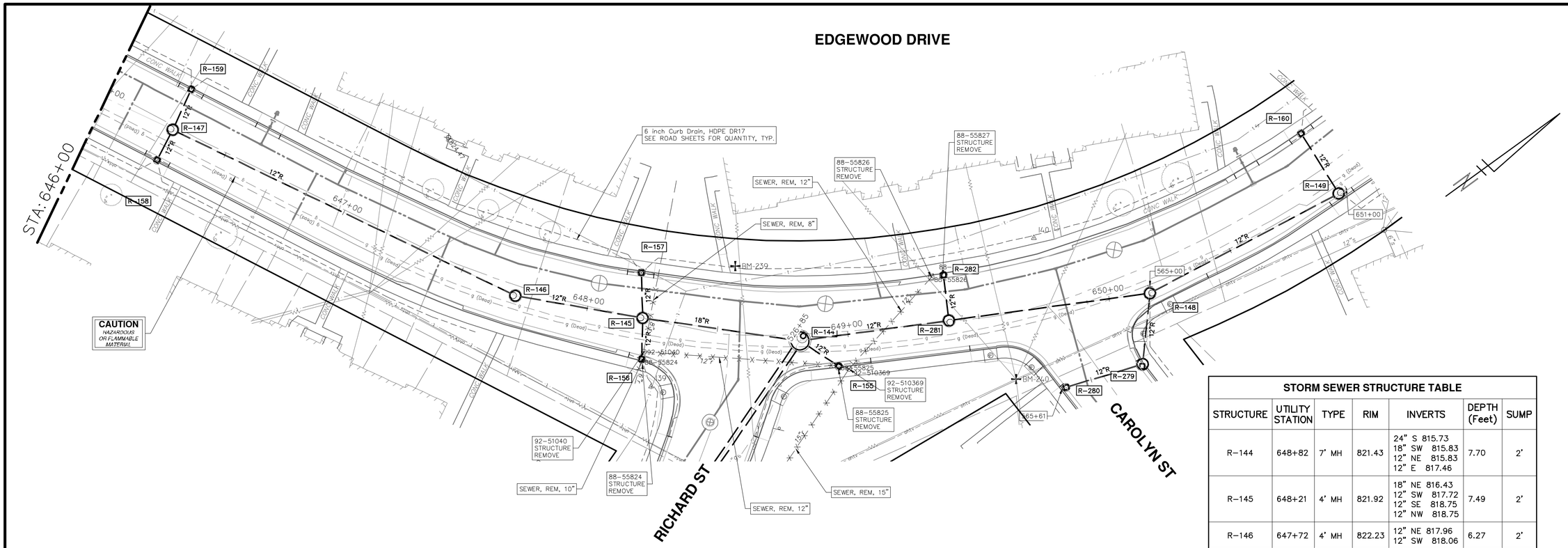
SCALE: PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-125

SHEET No. 125 OF 167

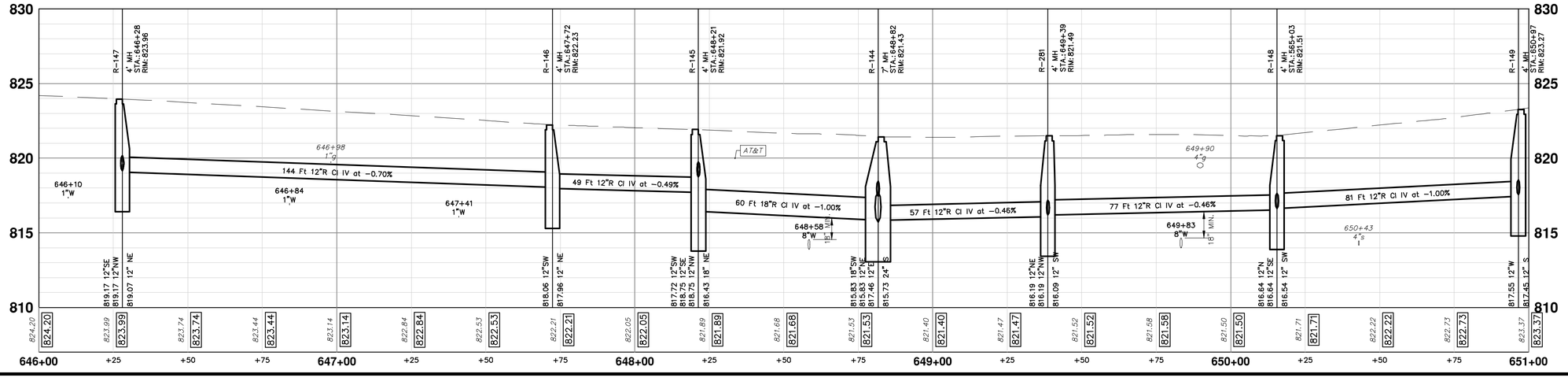
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_STM.dwg Dwg Created: 17-Dec-24 - _a2 standard bw.stb - Plot Date: 23-Jan-25

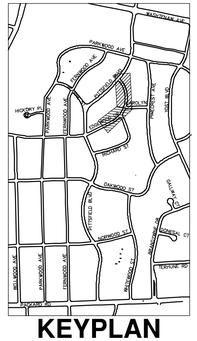
EDGEWOOD DRIVE



STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-144	648+82	7' MH	821.43	24" S 815.73 18" SW 815.83 12" NE 815.83 12" E 817.46	7.70	2'
R-145	648+21	4' MH	821.92	18" NE 816.43 12" SW 817.72 12" SE 818.75 12" NW 818.75	7.49	2'
R-146	647+72	4' MH	822.23	12" NE 817.96 12" SW 818.06	6.27	2'
R-147	646+28	4' MH	823.96	12" NE 819.07 12" SE 819.17 12" NW 819.17	6.89	2'
R-148	565+03	4' MH	821.51	12" SW 816.54 12" N 816.64 12" SE 816.64	6.97	2'
R-149	650+97	4' MH	823.27	12" S 817.45 12" W 817.55	7.82	2'
R-155	648+95	2' Inlet	821.00	12" W 816.94	6.06	2'
R-156	648+23	2' Inlet	820.87	12" NW 817.92	4.95	2'
R-157	648+18	2' Inlet	821.54	12" SE 818.03	5.51	2'
R-158	646+28	2' Inlet	823.62	12" NW 819.20	6.42	2'
R-159	646+28	2' Inlet	823.61	12" SE 819.30	6.31	2'
R-160	650+98	2' Inlet	823.11	12" E 819.30	5.81	2'





811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

STORM SEWER PLAN (STA 646+00 TO STA 651+00)

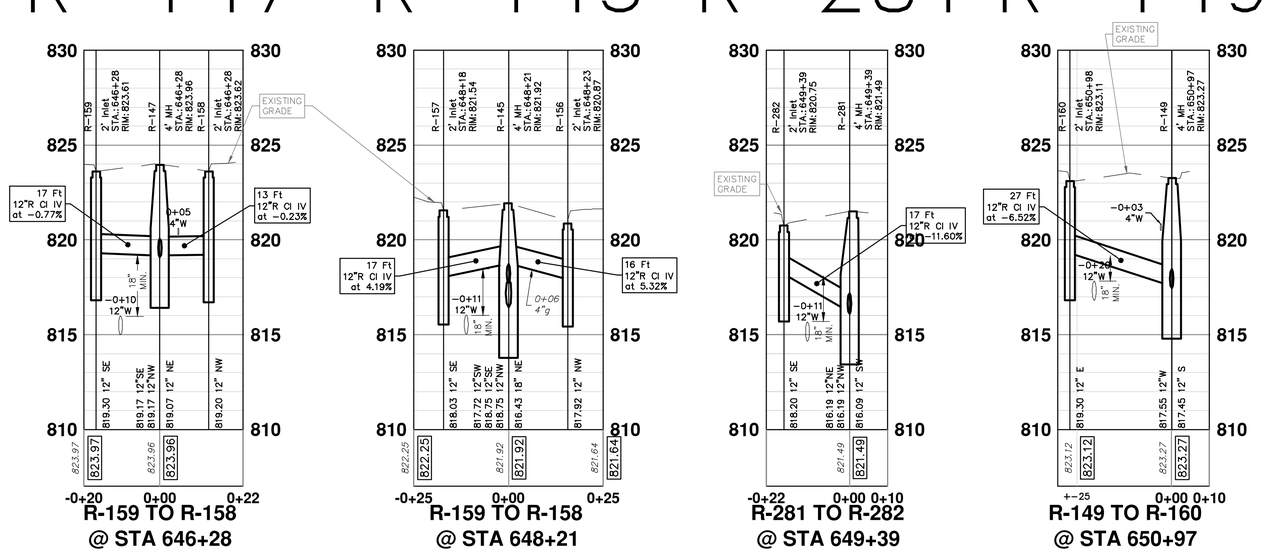
SCALE PLAN: 1" = 20' | PROFILE: 1" = 4'

DRAWING No. 2022-031-126

SHEET No. 126 OF 167

P:\0000_0100\002823050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_STM.dwg Dwg Created: 17-Dec-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25

EDGEWOOD DRIVE



811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

EDGEWOOD DRIVE

STORM SEWER INLET CONNECTION PROFILES

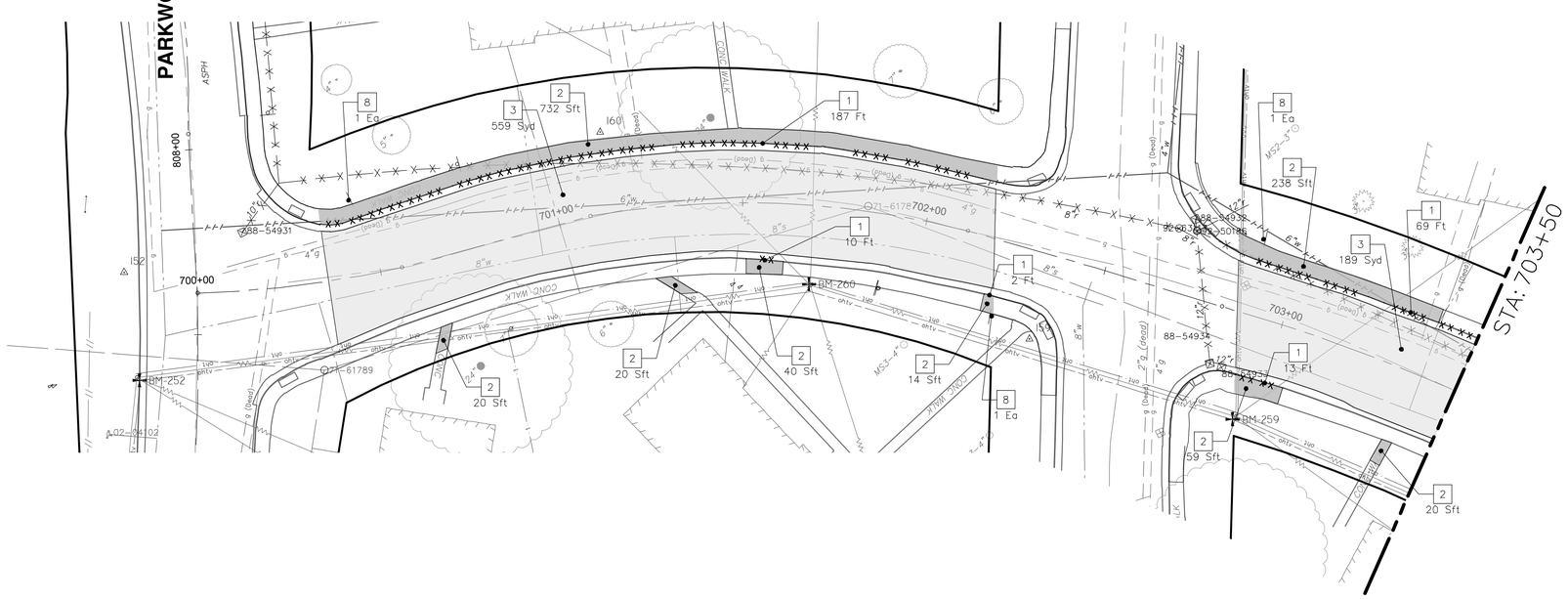
SCALE: PLAN: N/A PROFILE: 1" = 4'

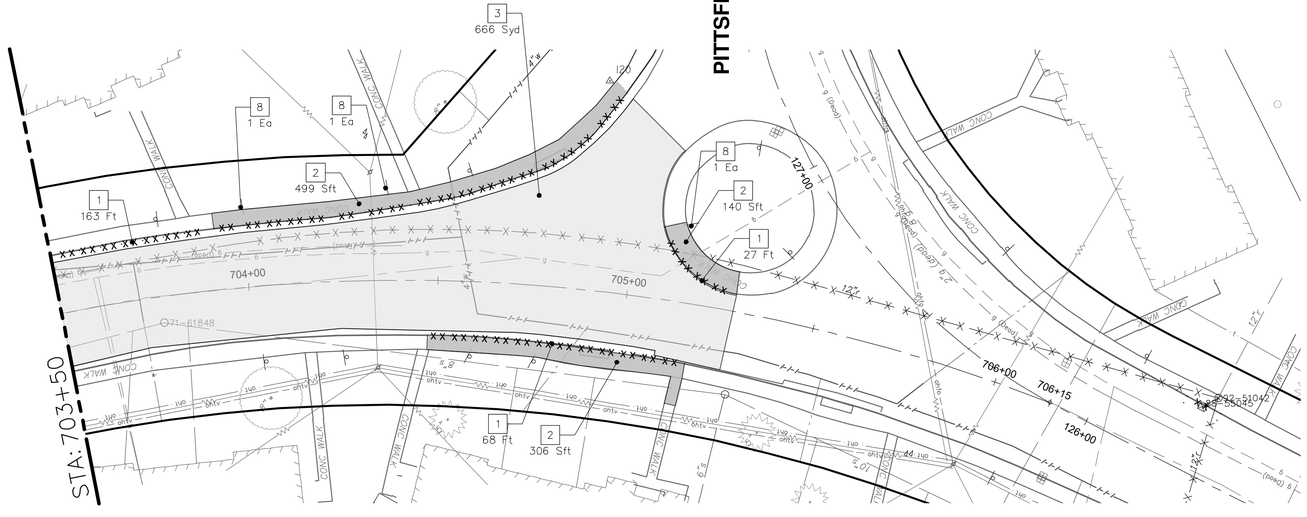
DRAWING No. 2022-031-127

SHEET No. 127 OF 167

P:\0000_0100\00282300S0_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_STM.dwg Dwg Created: 17-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

JEANNE STREET





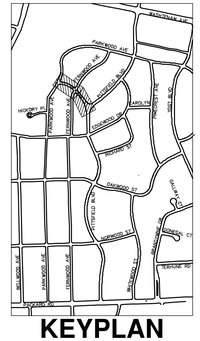
REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:

1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

JEANNE STREET

REMOVAL PLAN (STA 700+00 TO STA 706+15)

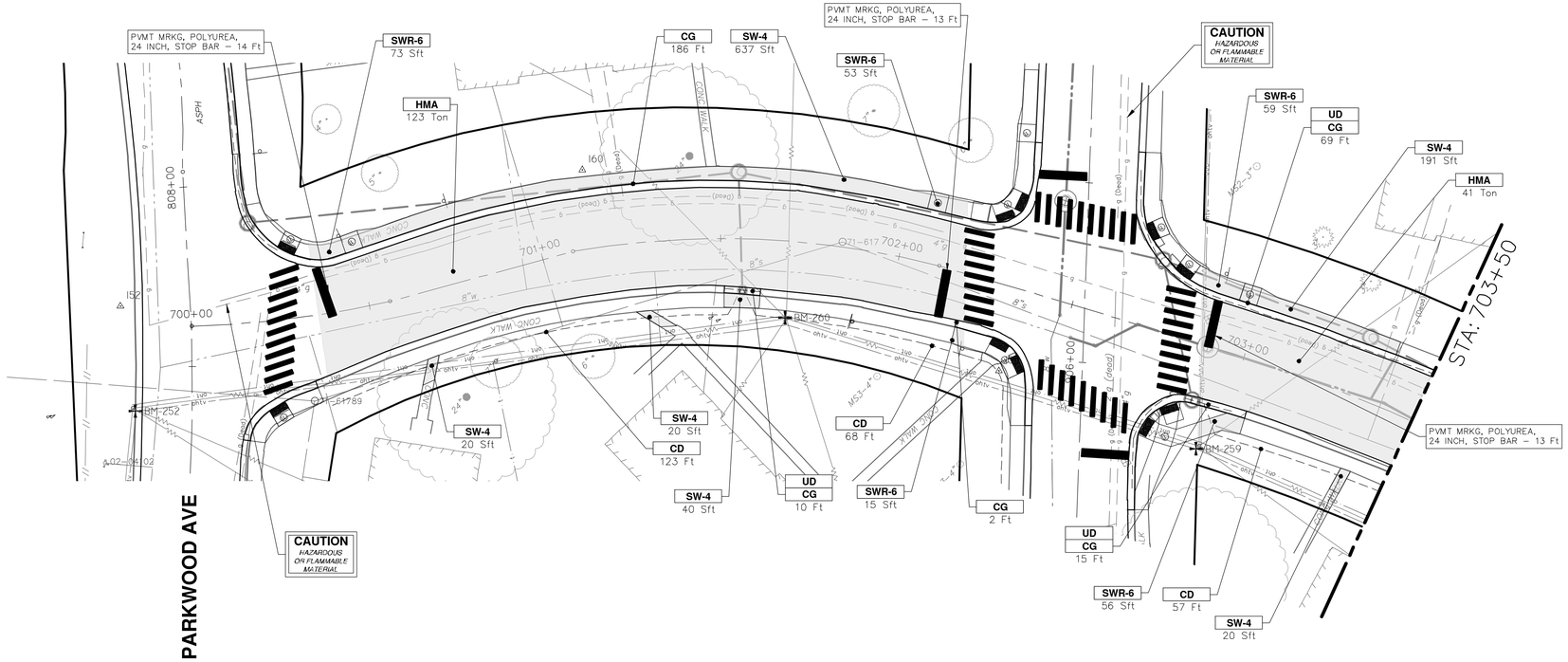
SCALE PLAN: 1" = 20'

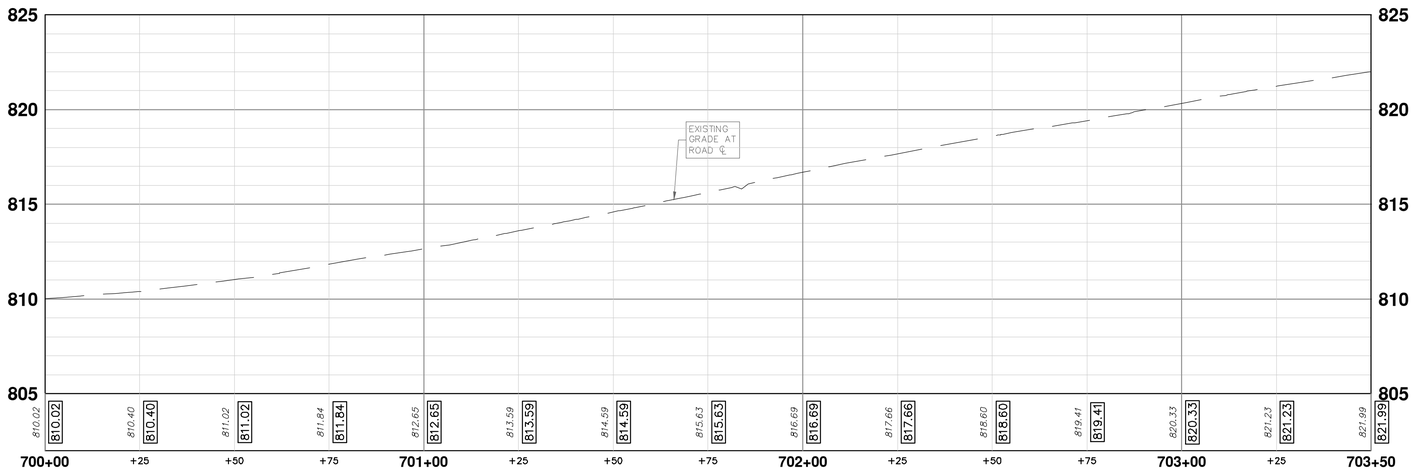
DRAWING No. 2022-031-128

SHEET No. 128 OF 167

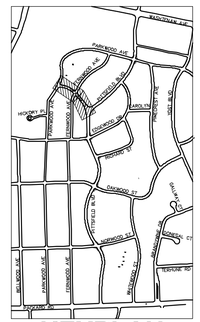
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050JEANNE_REM.dwg Dwg Created: 16-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

JEANNE STREET





CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

Know what's below. Call before you dig. 811

BY	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

JEANNE STREET

ROAD PLAN (STA 700+00 TO STA 703+50)

SCALE 1" = 20'

PROFILE: 1" = 4'

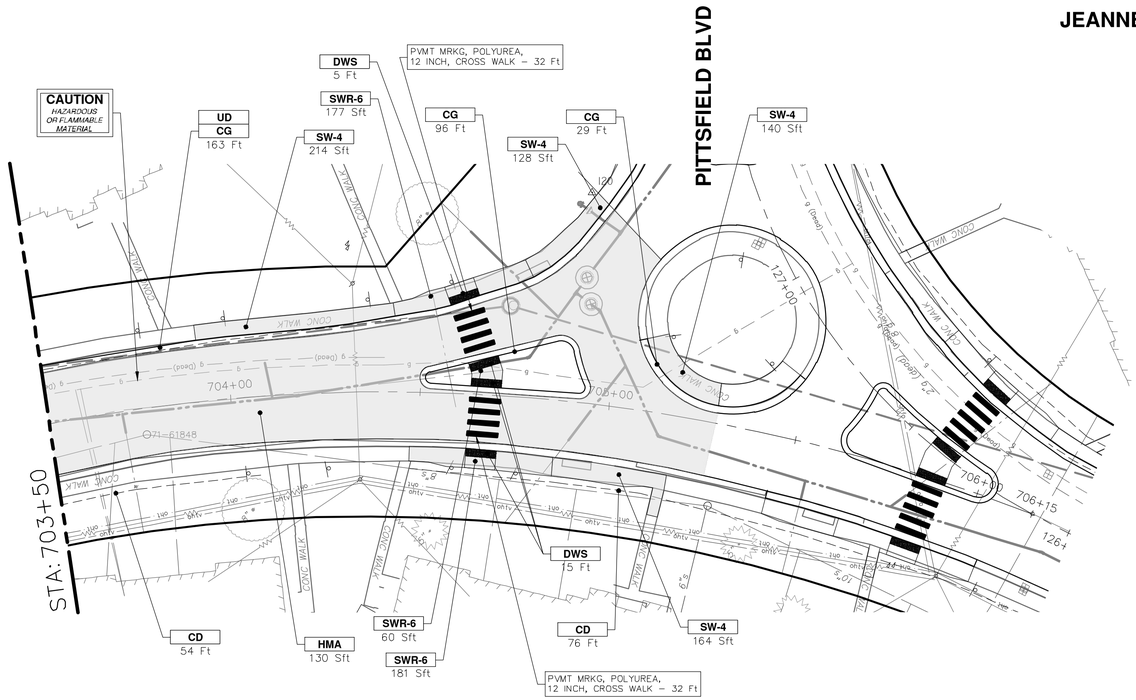
DRAWING No. 2022-031-129

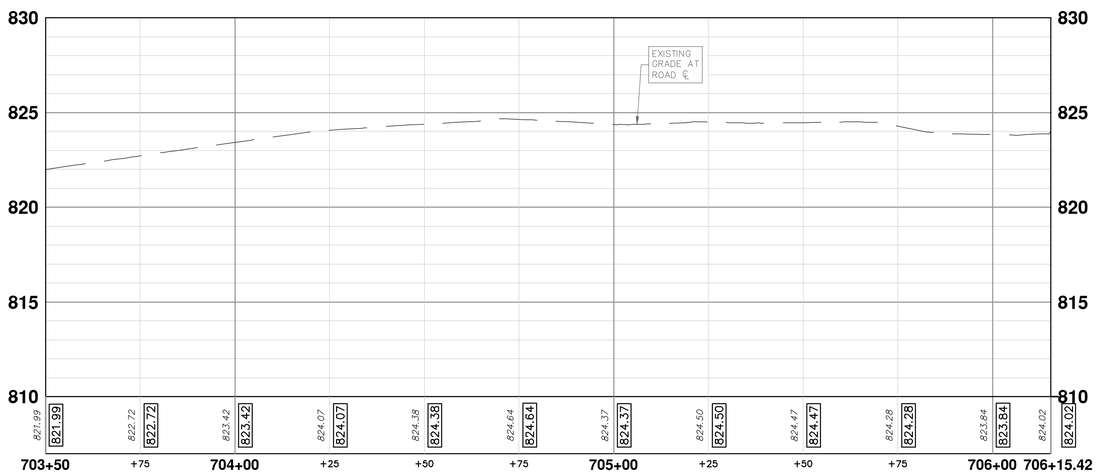
SHEET No. 129 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050JEANNE_con.dwg Dwg Created: 11-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

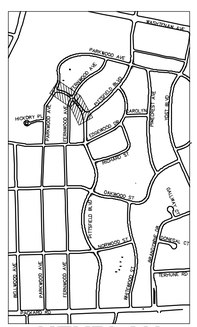
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050JEANNE_con.dwg Dwg Created: 11-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

JEANNE STREET





CONSTRUCTION KEY	
KEY	**DESCRIPTION**
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

JEANNE STREET

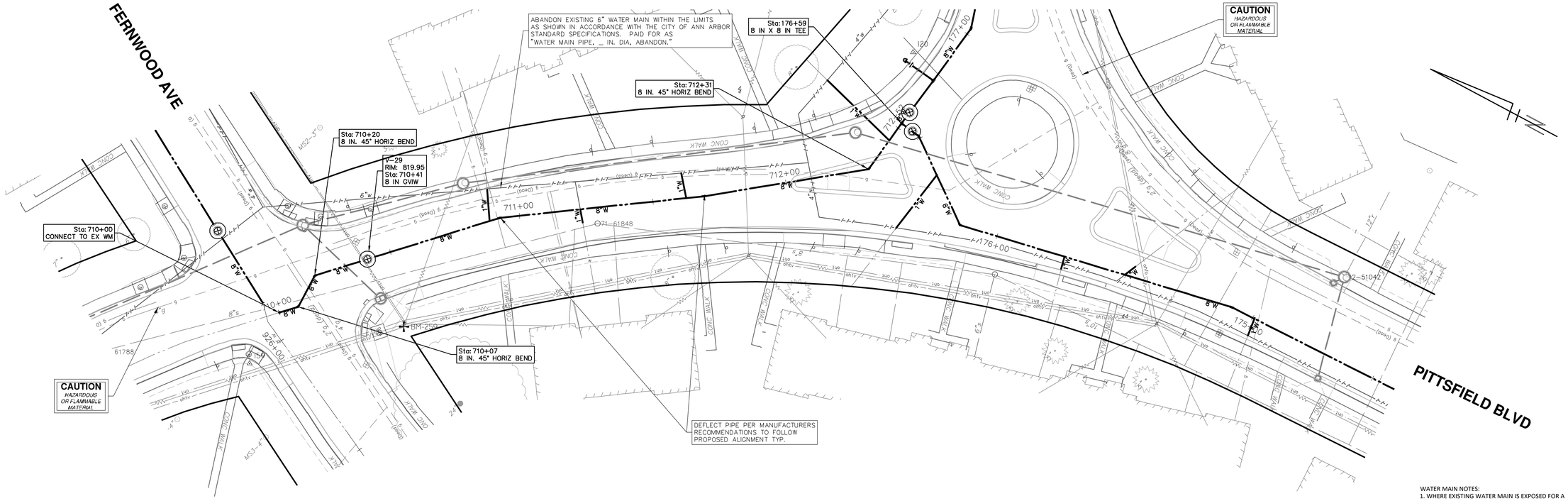
ROAD PLAN (STA 703+50 TO 706+15)

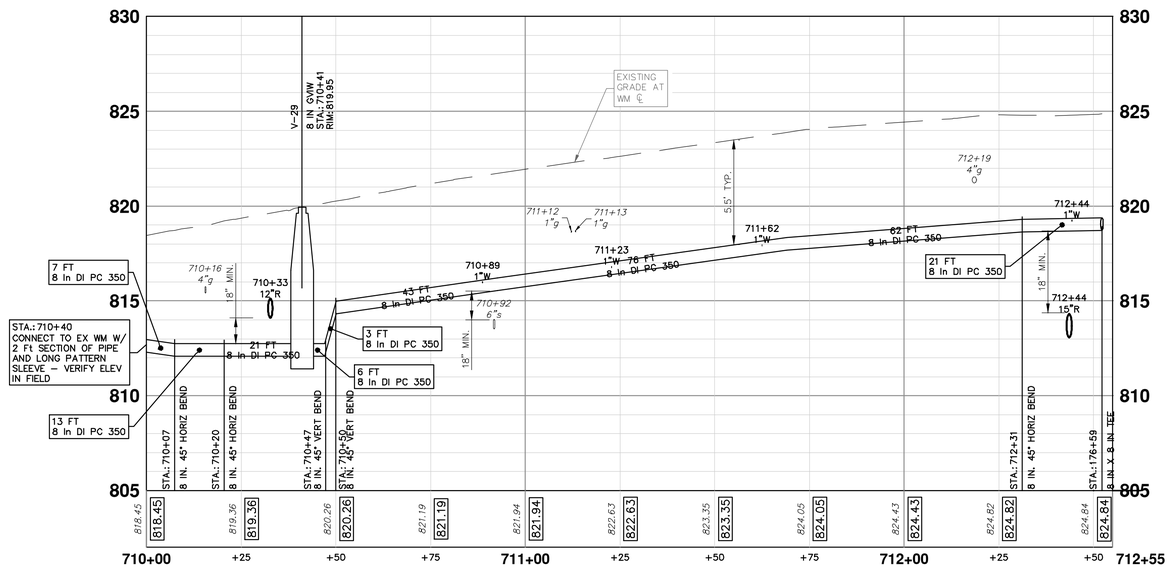
SCALE PLAN: 1" = 20' PROFILE 1" = 4'

DRAWING No. 2022-031-130

SHEET No. 130 OF 167

JEANNE STREET





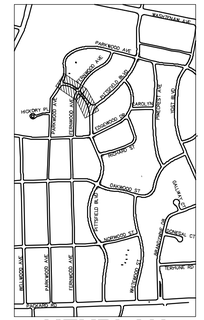
WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V–29	8 in GVW	710+41	819.95	7.87



KEYPLAN

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00	BID SET	12-19-2024	SM	CE
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PITTSFIELD VILLAGE IMPROVEMENTS

JEANNE STREET

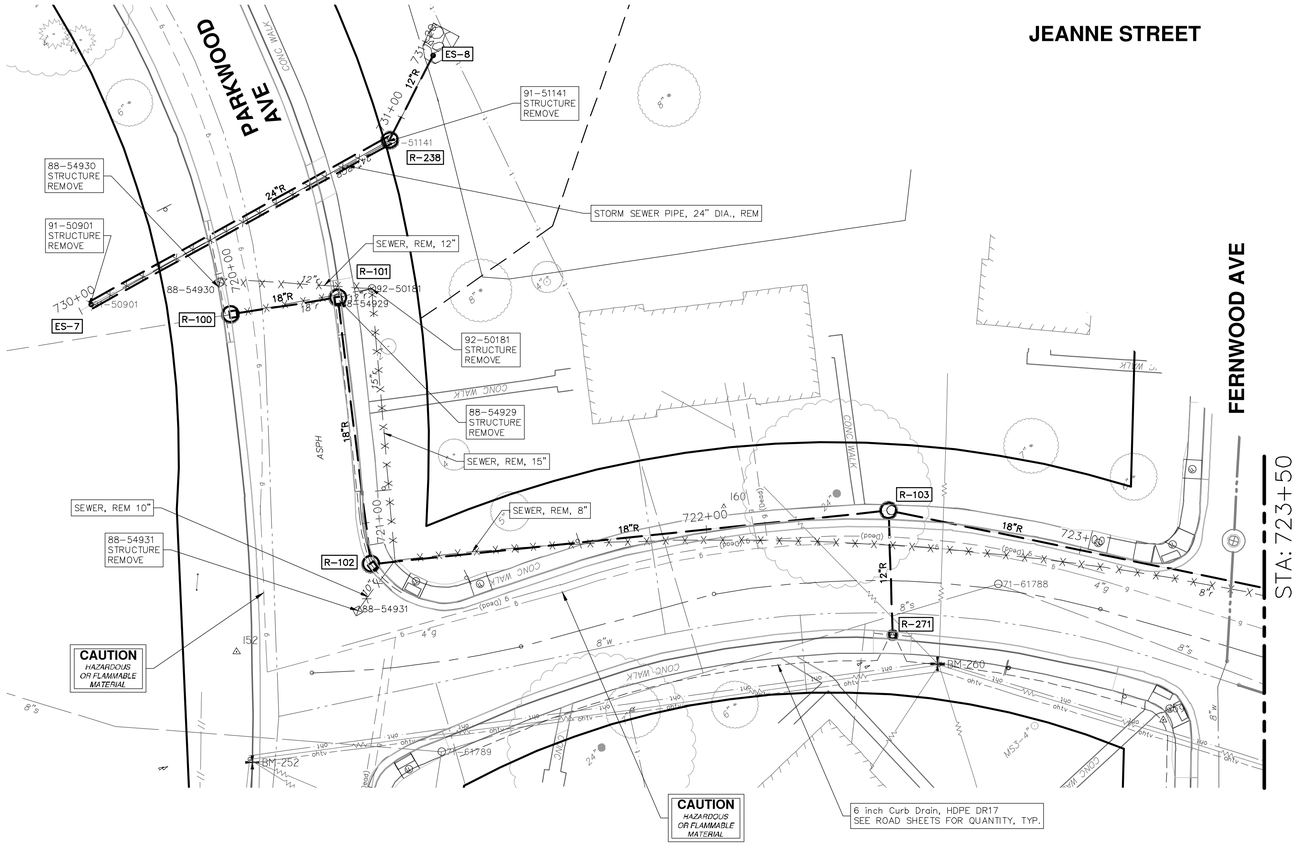
WATER MAIN PLAN (STA 710+00 TO STA 712+55)

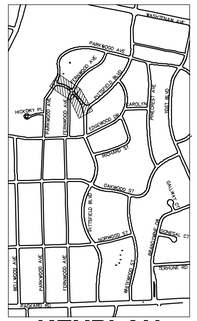
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-131

SHEET No. 131 OF 167

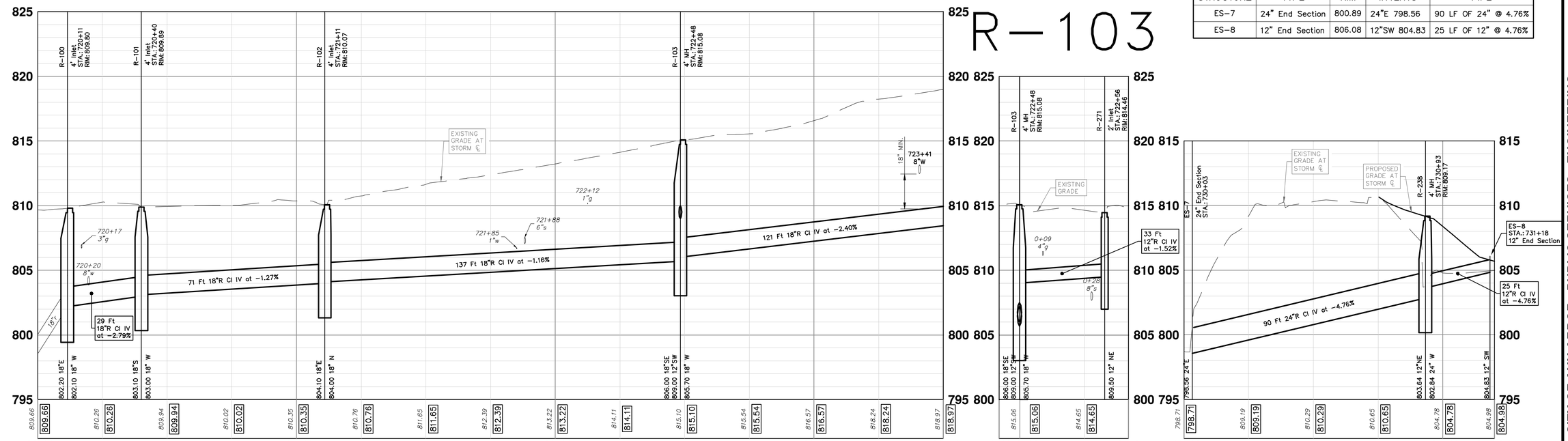
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050JEANNE_WM.dwg Dwg Created: 11-Nov-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25





STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-100	720+11	4' Inlet	809.80	18" W 802.10 18" E 802.20	9.70	2'
R-101	720+40	4' Inlet	809.89	18" W 803.00 18" S 803.10	8.89	2'
R-102	721+11	4' Inlet	810.07	18" N 804.00 18" E 804.10	8.07	2'
R-103	722+48	4' MH	815.08	18" W 805.70 18" SE 806.00 12" SW 809.00	11.38	2'
R-238	730+93	4' MH	809.17	24" W 802.84 12" NE 803.64	8.33	2'
R-271	722+56	2' Inlet	814.46	12" NE 809.50	6.96	2'

STORM STRUCTURE TABLE				
STRUCTURE	TYPE	RIM	INVERTS	PIPE
ES-7	24" End Section	800.89	24"E 798.56	90 LF OF 24" @ 4.76%
ES-8	12" End Section	806.08	12"SW 804.83	25 LF OF 12" @ 4.76%



NO	DESCRIPTION	DATE	DRAWN	CHECKED
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

JEANNE STREET

STORM SEWER PLAN (STA 720+00 TO STA 723+50)

SCALE 1" = 20'

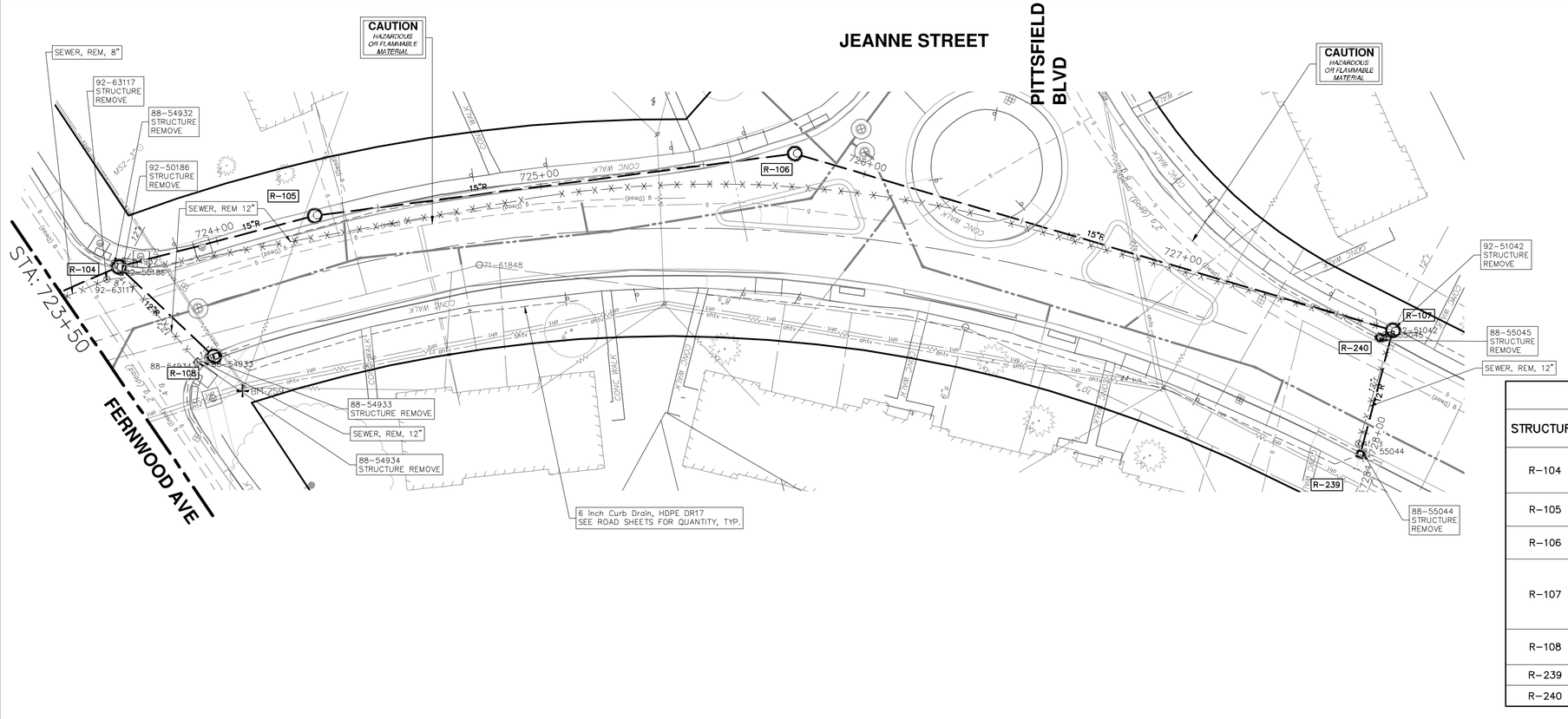
PROFILE: 1" = 4'

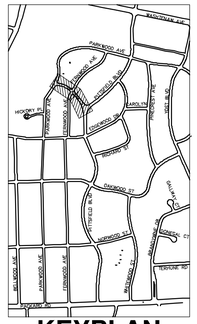
DRAWING No. 2022-031-132

SHEET No. 132 OF 167

Know what's below. Call before you dig.

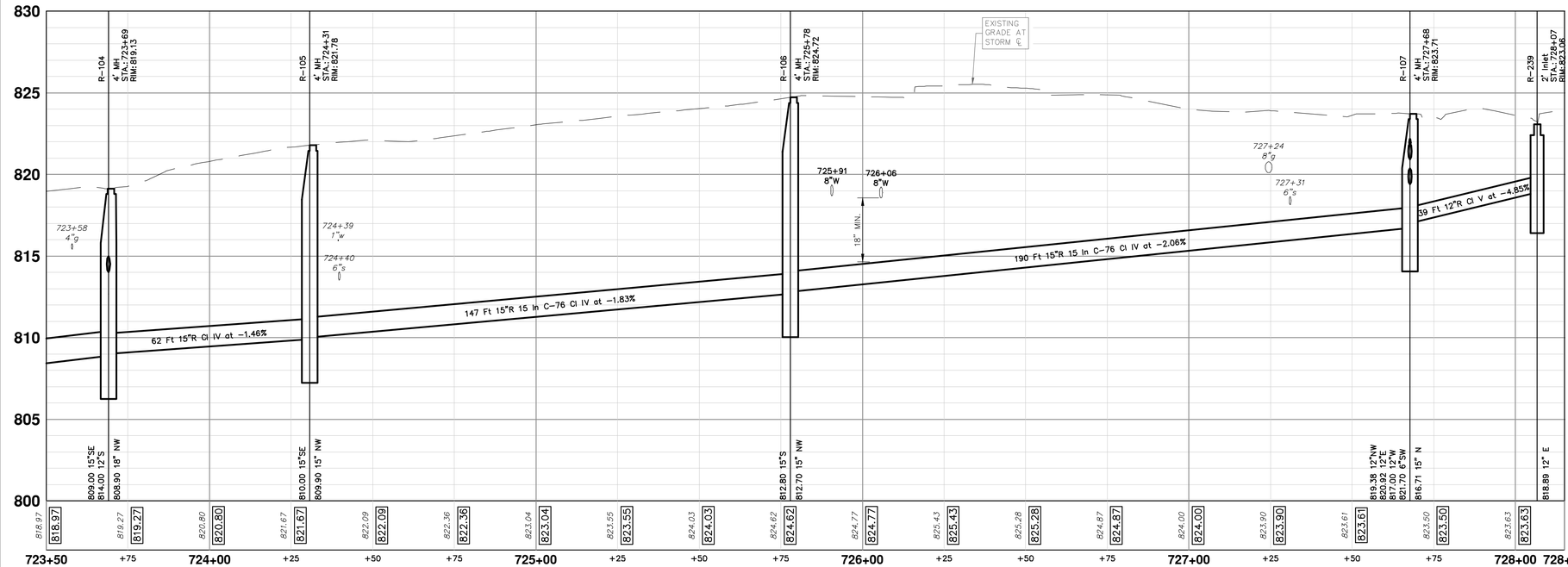
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050JEANNE_STM.dwg Dwg Created: 16-Jan-25 — _02 standard bw.stb — Plot Date: 24-Jan-25



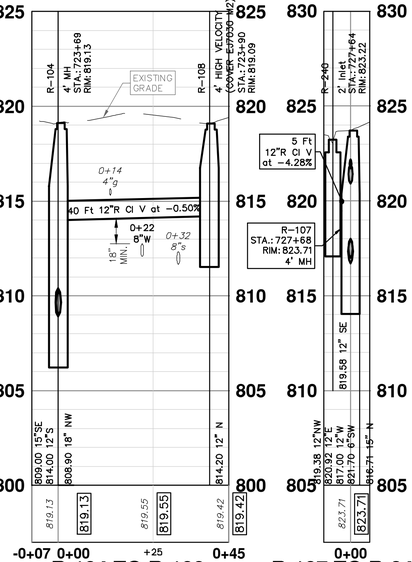


STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-104	723+69	4' MH	819.13	18" NW 808.90 15" SE 809.00 12" S 814.00	12.23	2'
R-105	724+31	4' MH	821.78	15" NW 809.90 15" SE 810.00	13.88	2'
R-106	725+78	4' MH	824.72	15" NW 812.70 15" S 812.80	14.02	2'
R-107	727+68	4' MH	823.71	15" N 816.71 12" NW 819.38 12" E 820.92 12" W 817.00 6" SW 821.70	9.00	2'
R-108	723+90	4' HIGH VELOCITY (COVER EJ7030 M2)	819.09	12" N 814.20	6.89	2'
R-239	728+07	2' Inlet	823.06	12" E 818.89	6.17	2'
R-240	727+64	2' Inlet	823.22	12" SE 819.58	5.64	2'



R-104



R-104 TO R-108 @ STA 723+69

R-107 TO R-240

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

JEANNE STREET

STORM SEWER PLAN (STA 723+50 TO STA 728+14)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-133

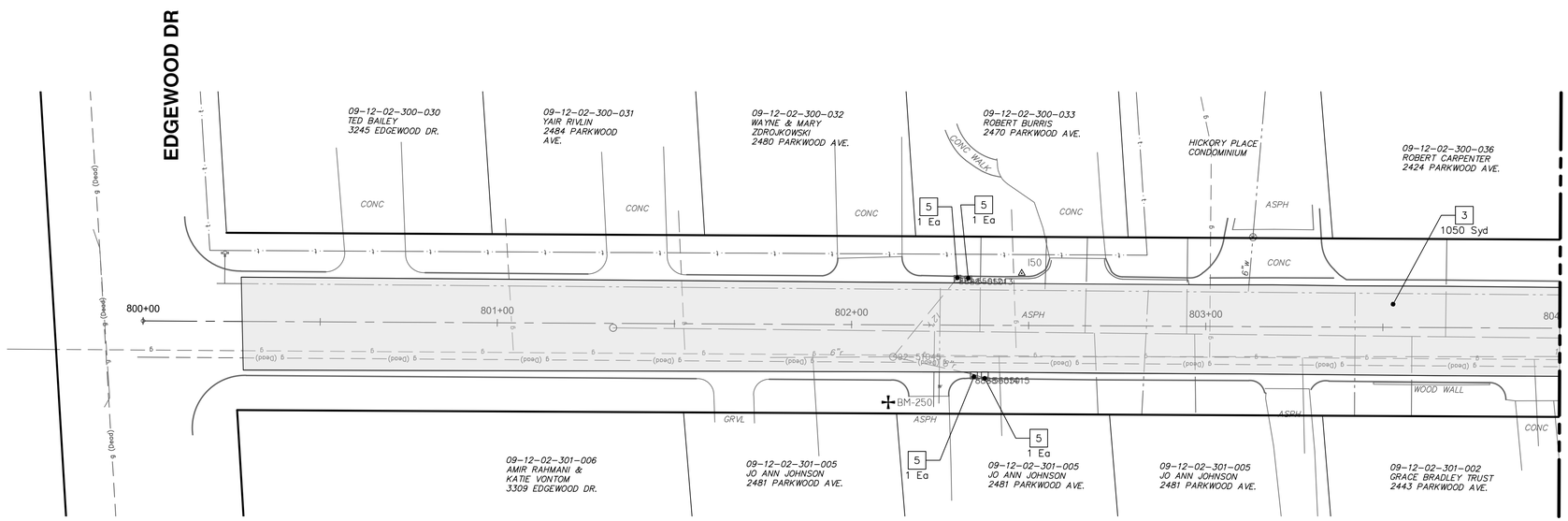
SHEET No. 133 OF 167

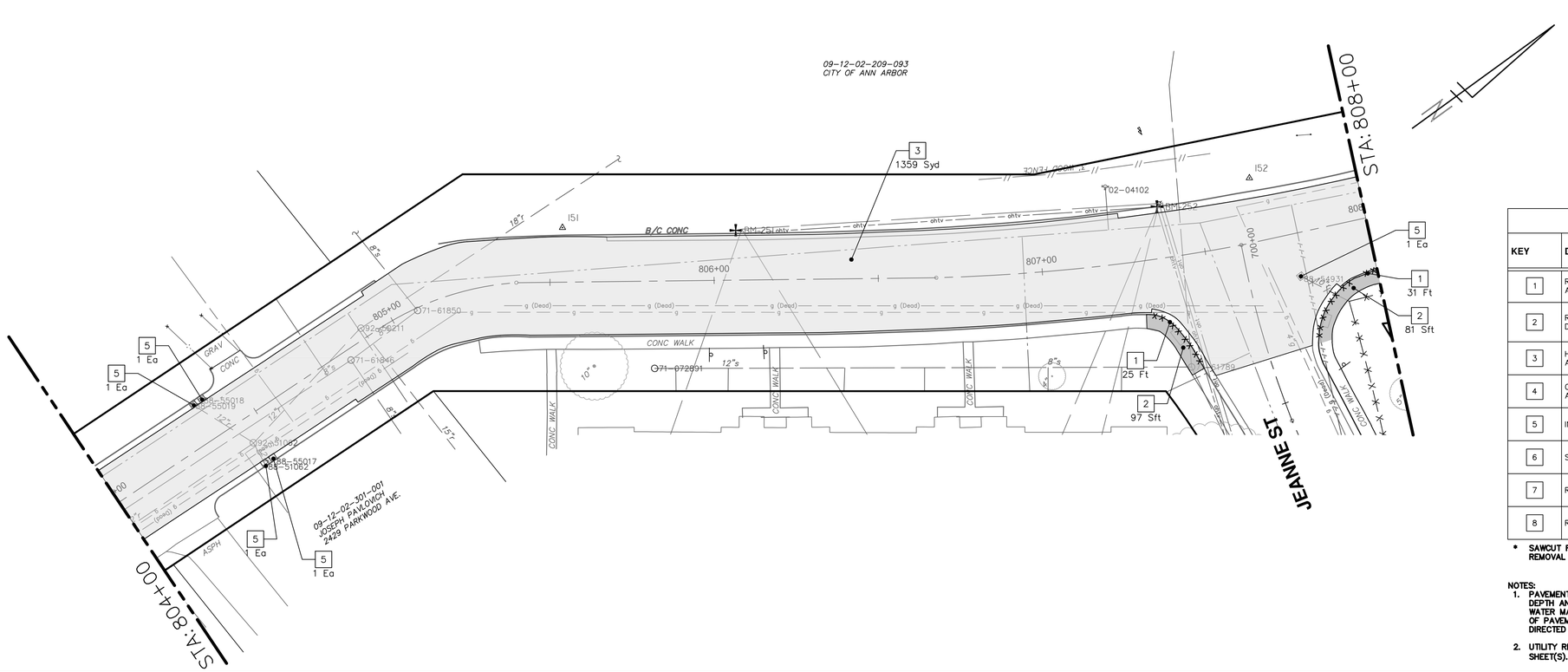
Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050JEANNE_STM.dwg Dwg Created: 16-Jan-25 — _a2 standard bw.stb — Plot Date: 24-Jan-25

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PARKWOOD_REM.dwg Dwg Created: 16-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PARKWOOD AVENUE



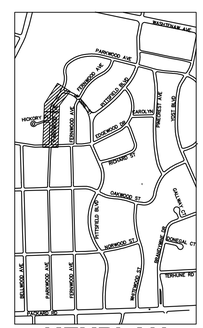


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

NO.	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	BID SET	ADDENDUM #2	1-22-2025	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

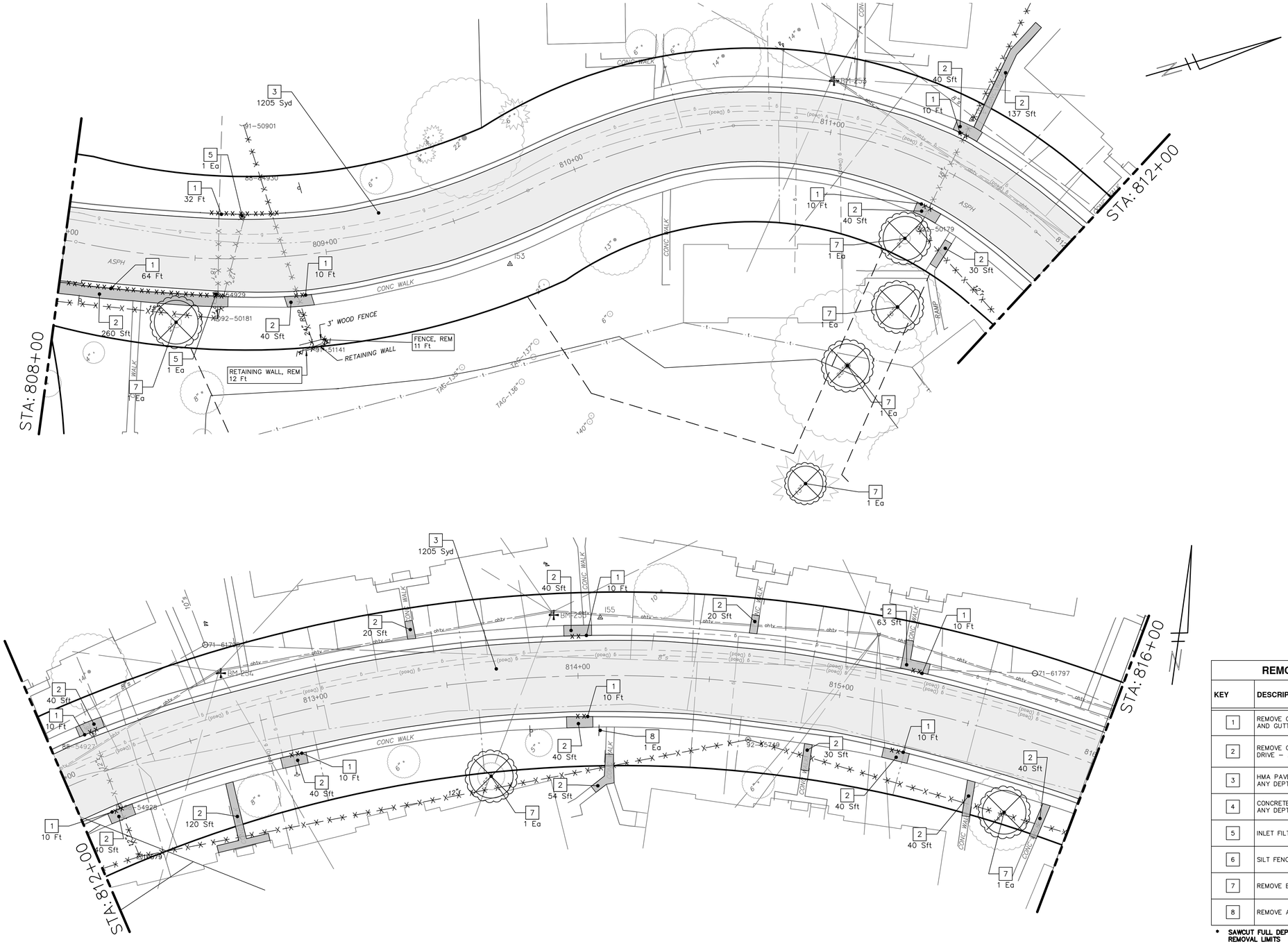
REMOVAL PLAN (STA 800+00 TO STA 808+00)

SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-134

SHEET No. 134 OF 167

PARKWOOD AVENUE



REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

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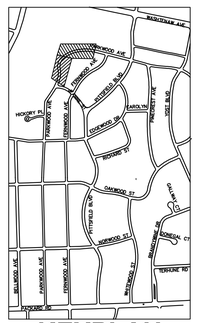

KEYPLAN

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

REMOVAL PLAN (STA 808+00 TO STA 816+00)

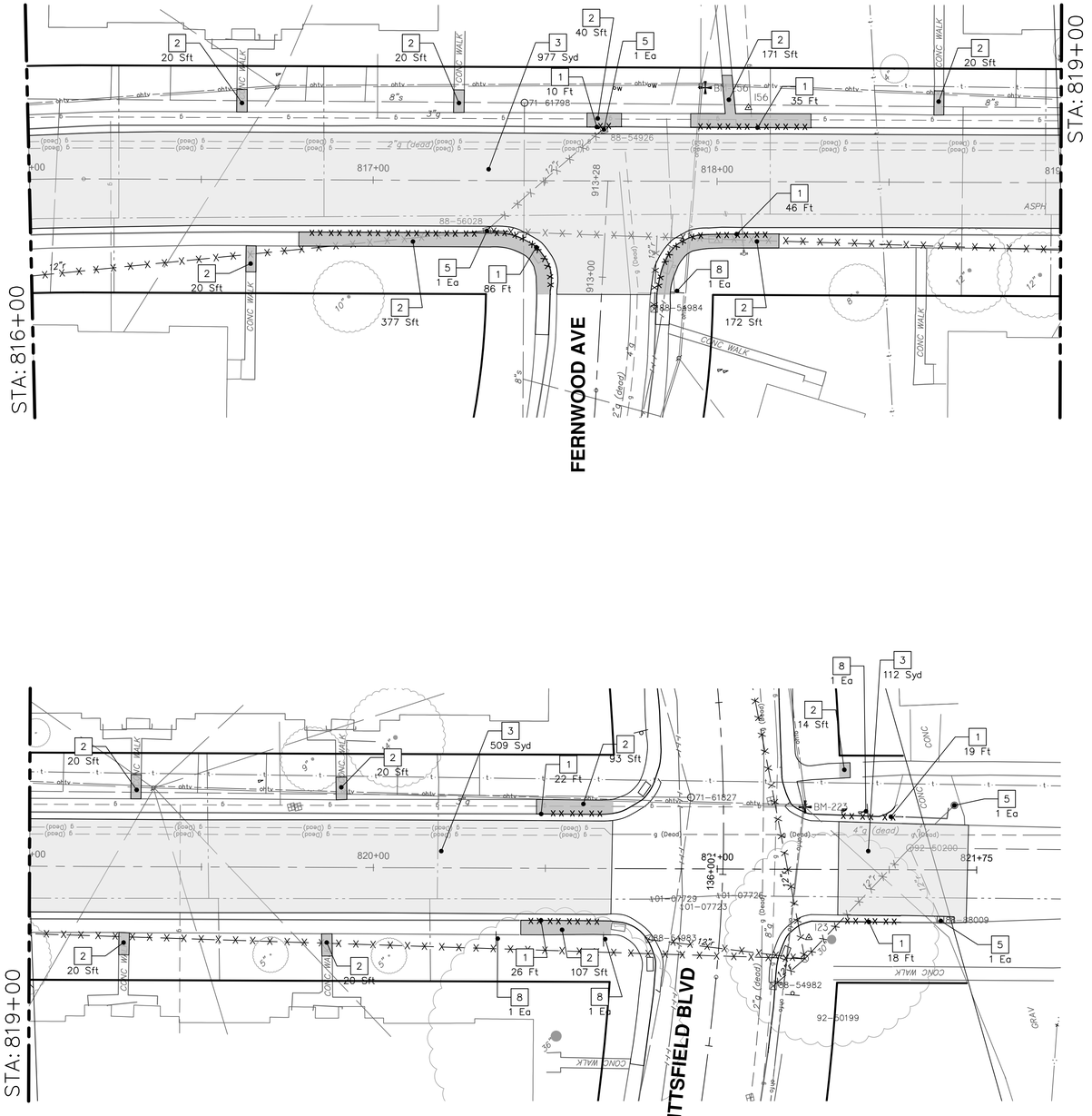
SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-135

SHEET No. 135 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PARKW00D_REM.dwg Dwg Created: 16-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PARKWOOD AVENUE



REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
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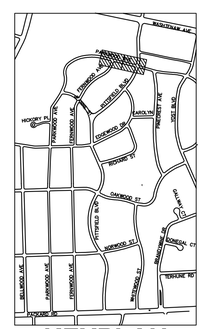

KEYPLAN

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PARKWOOD AVENUE

REMOVAL PLAN (STA 816+00 TO STA 821+50)

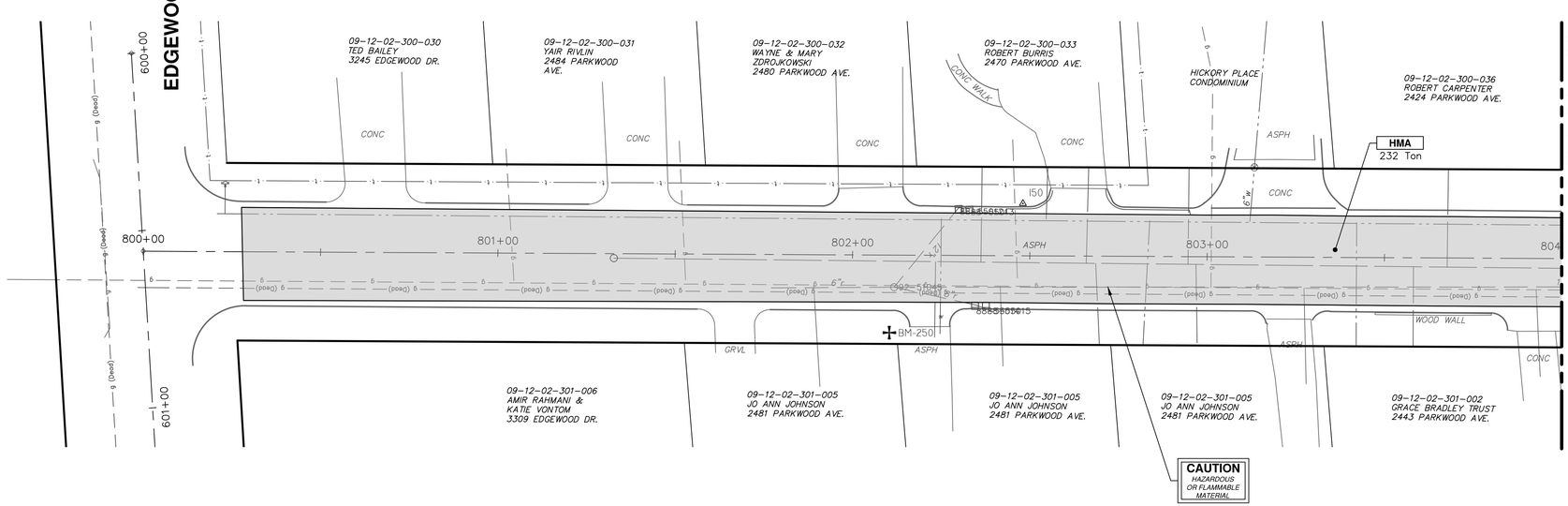
SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-136

SHEET No. 136 OF 167

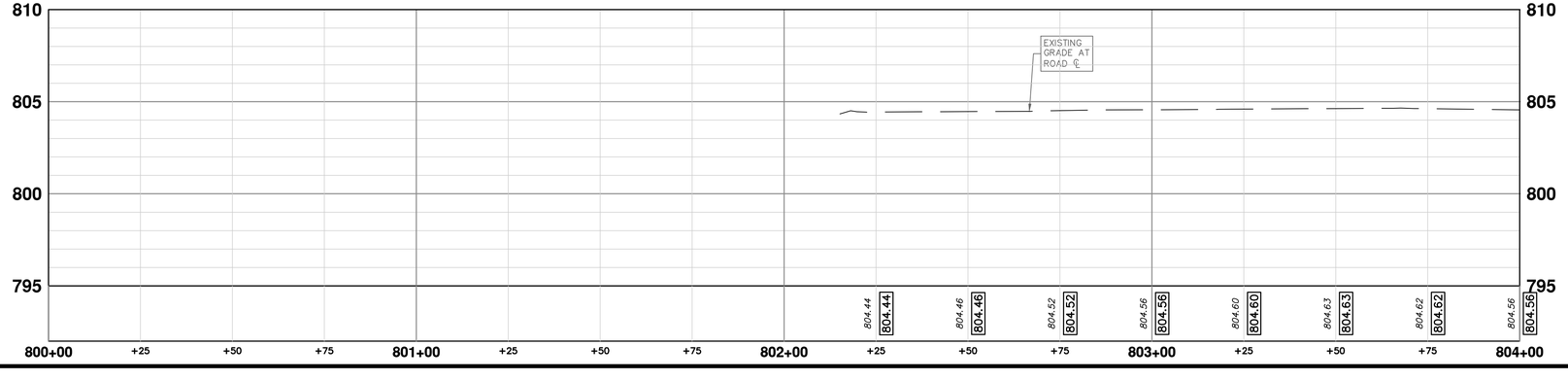
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050PARKWOOD_REM.dwg Dwg Created: 16-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

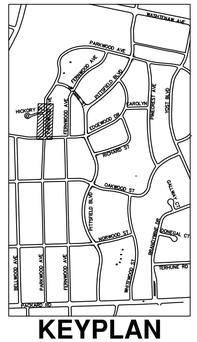
PARKWOOD AVENUE



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_CON.dwg Dwg Created: 17-Dec-24 – _02 standard bw.stb – Plot Date: 23-Jan-25

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PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

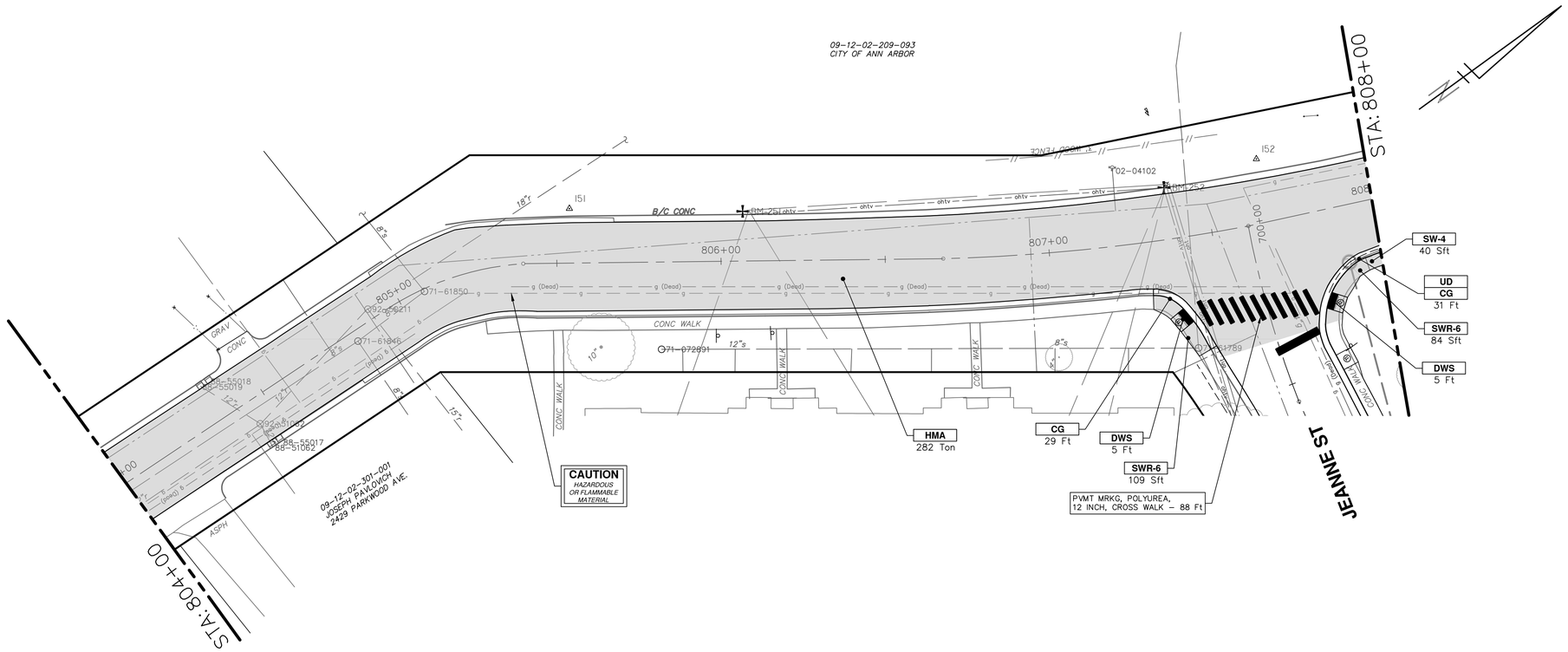
ROAD PLAN (STA 800+00 TO STA 804+00)

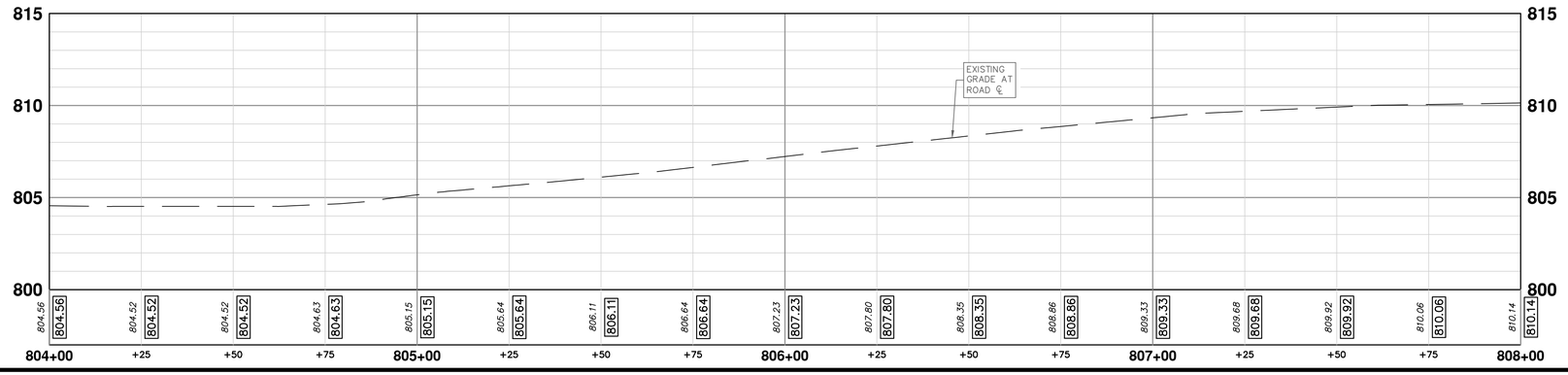
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-137

SHEET No. 137 OF 167

PARKWOOD AVENUE





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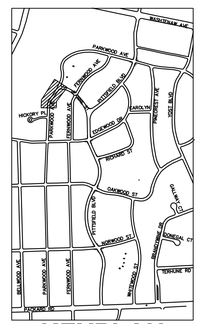

KEYPLAN

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PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

ROAD PLAN (STA 804+00 TO STA 808+00)

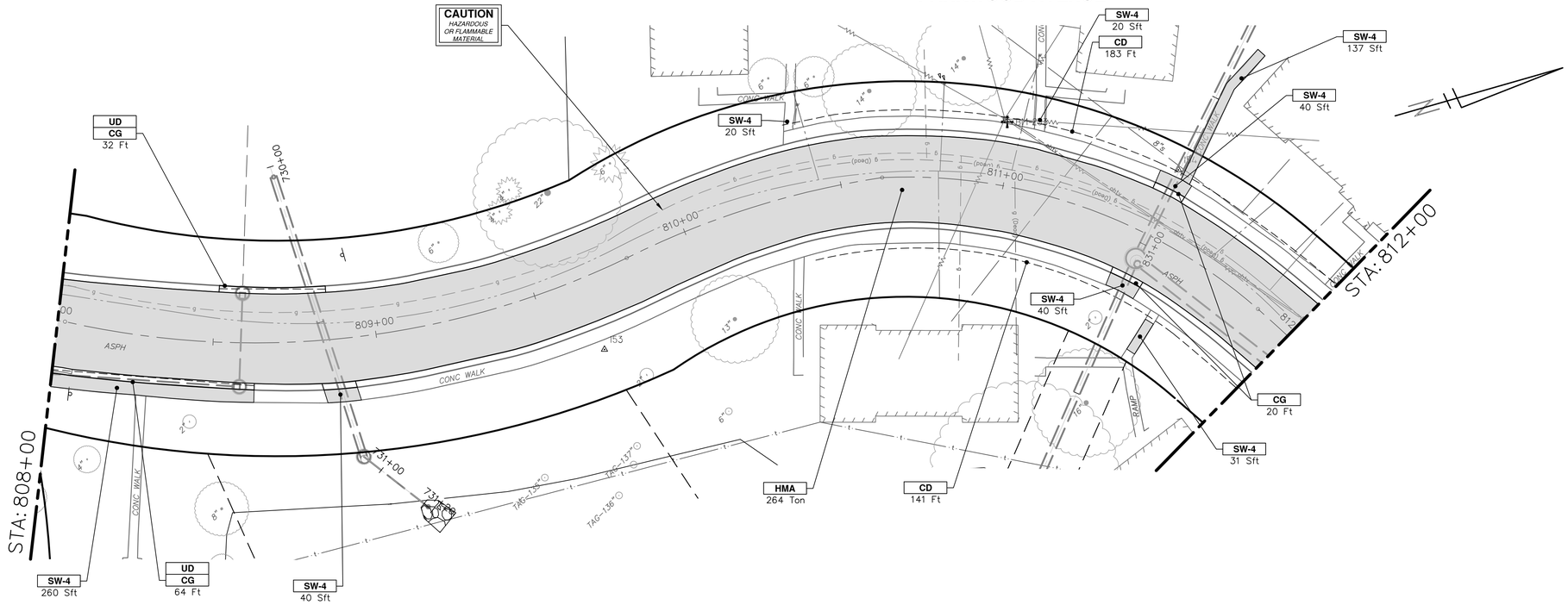
SCALE **PLAN: 1" = 20'** **PROFILE: 1" = 4'**

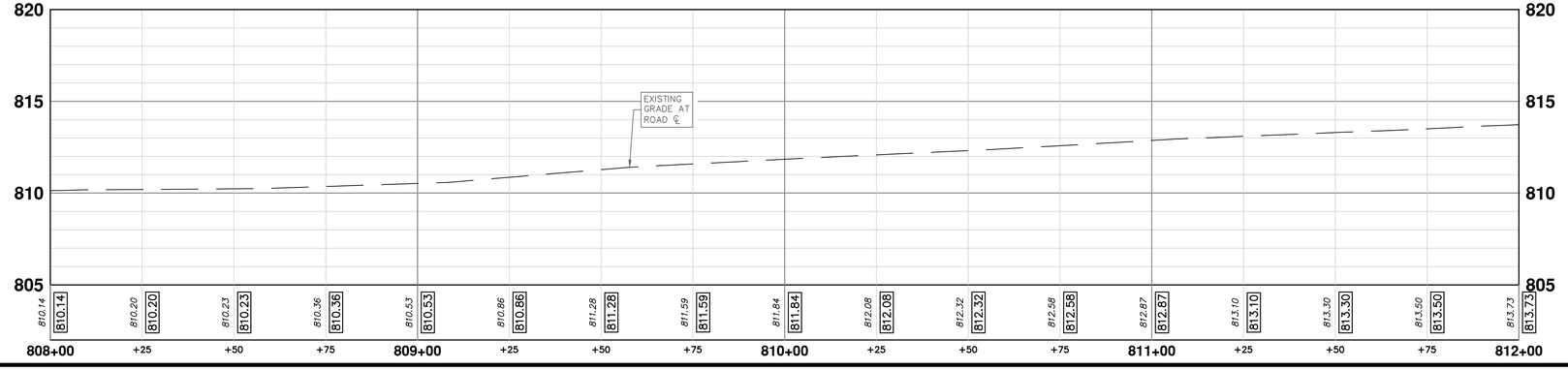
DRAWING No. **2022-031-138**

SHEET No. **138 OF 167**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_CON.dwg Dwg Created: 17-Dec-24 – _02 standard bw.stb – Plot Date: 23-Jan-25

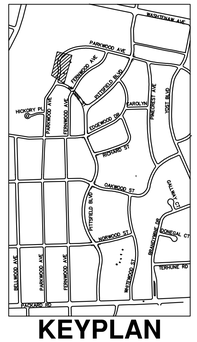
PARKWOOD AVENUE





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

CITY OF ANN ARBOR
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

ROAD PLAN (STA 808+00 TO STA 812+00)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

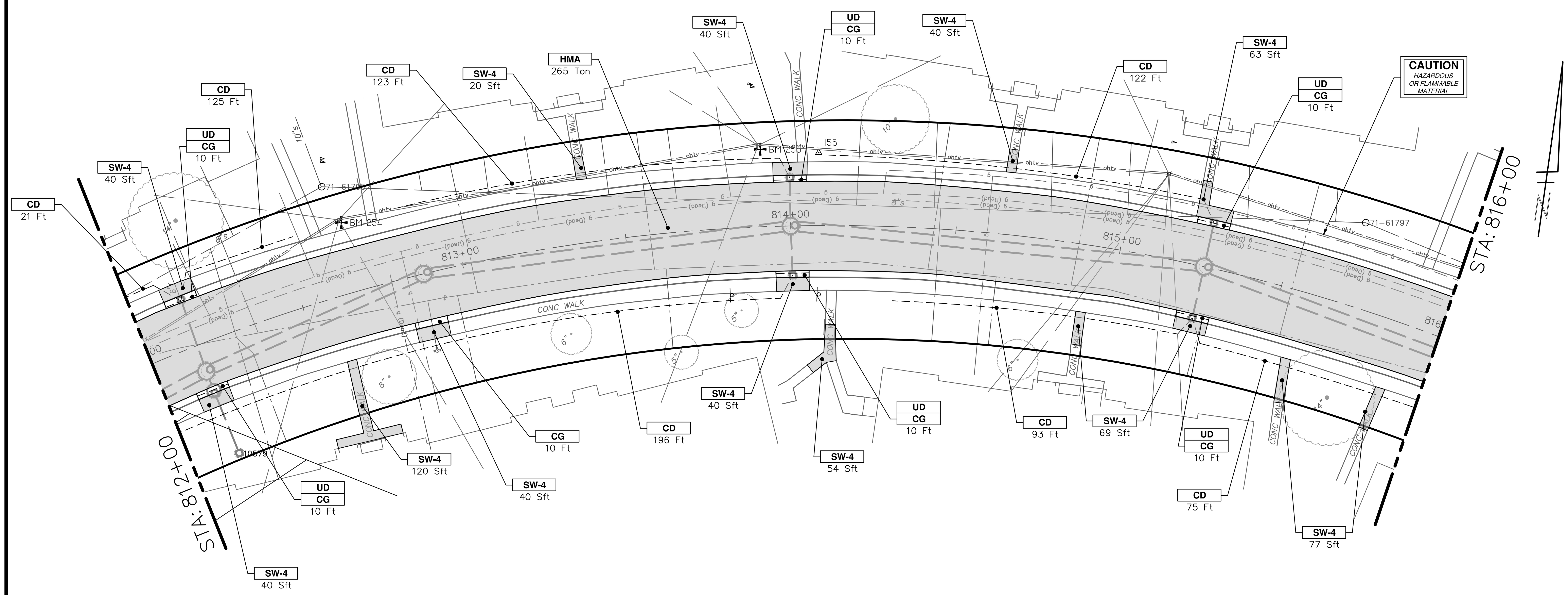
DRAWING No. 2022-031-139

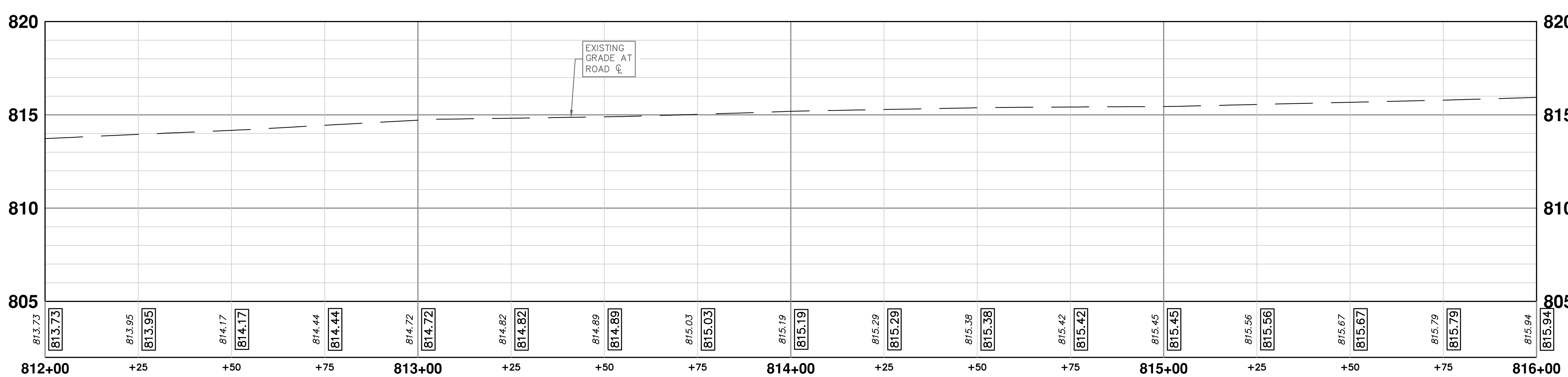
SHEET No. 139 OF 167

Know what's below. Call before you dig.

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_CON.dwg Dwg Created: 17-Dec-24 — _o2 standard bw.stb — Plot Date: 24-Jan-25

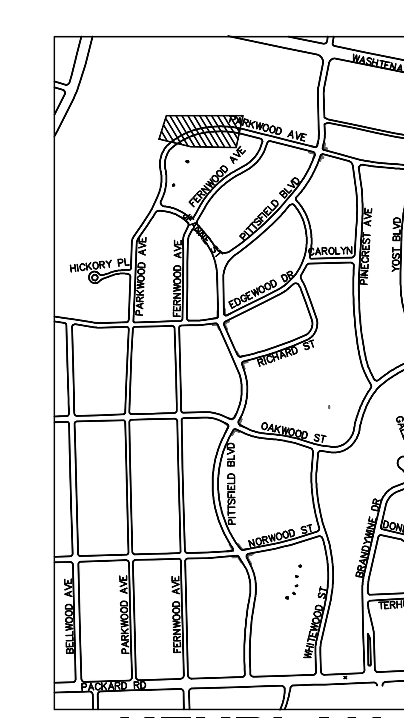
PARKWOOD AVENUE





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

811 Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

ROAD PLAN (STA 812+00 TO STA 816+00)

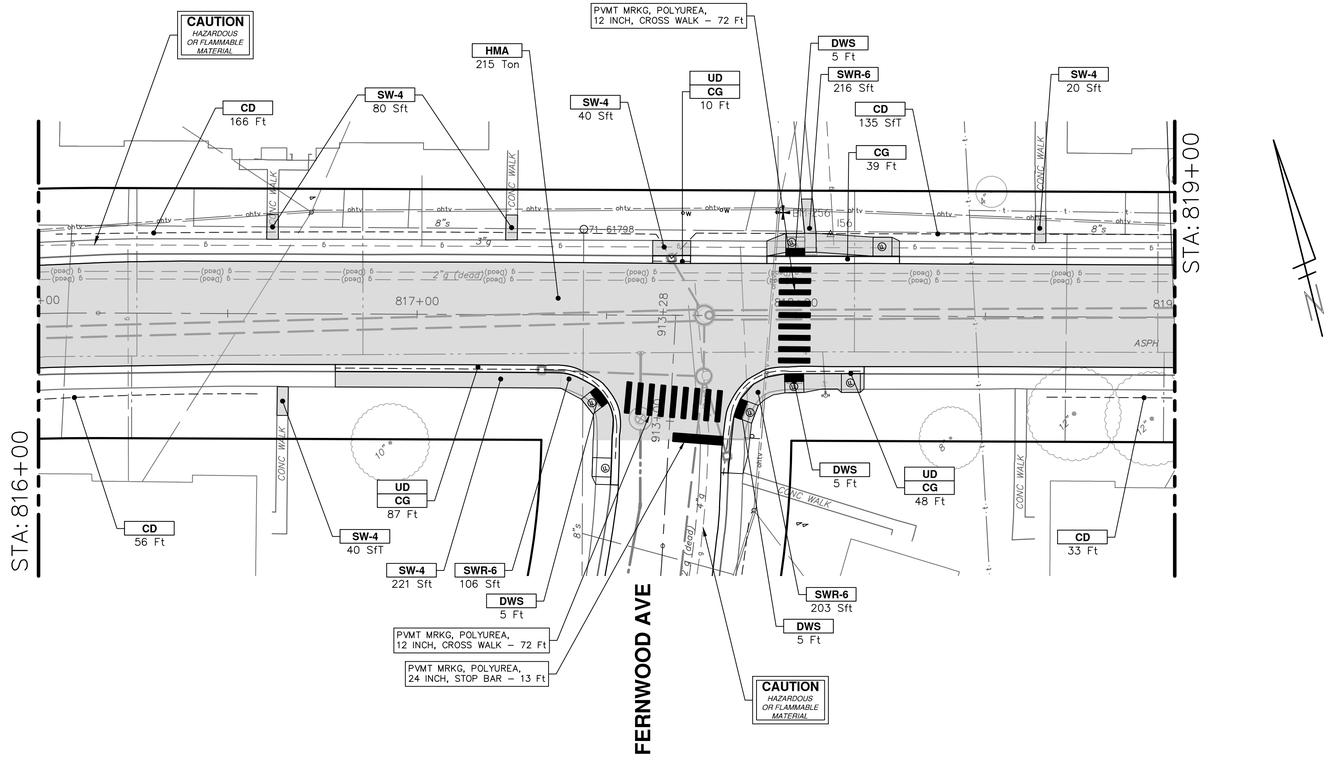
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

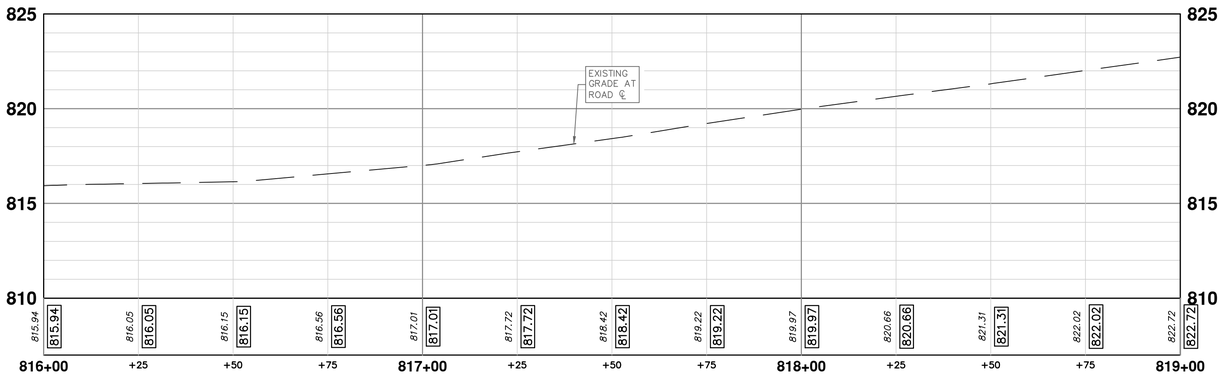
DRAWING No. **2022-031-140**

SHEET No. **140 OF 167**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_CON.dwg Dwg Created: 17-Dec-24 - _a2 standard bw.stb - Plot Date: 23-Jan-25

PARKWOOD AVENUE





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
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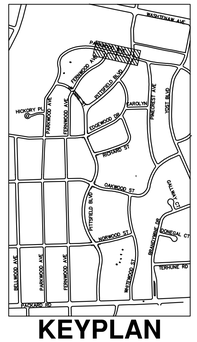
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

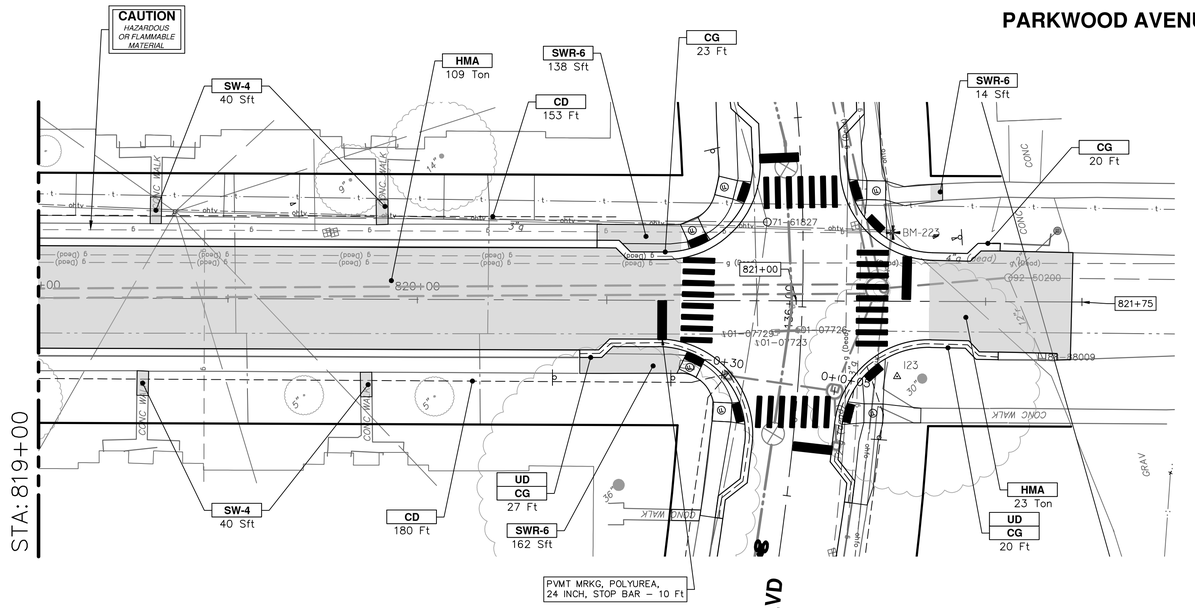
ROAD PLAN (STA 816+00 TO STA 819+00)

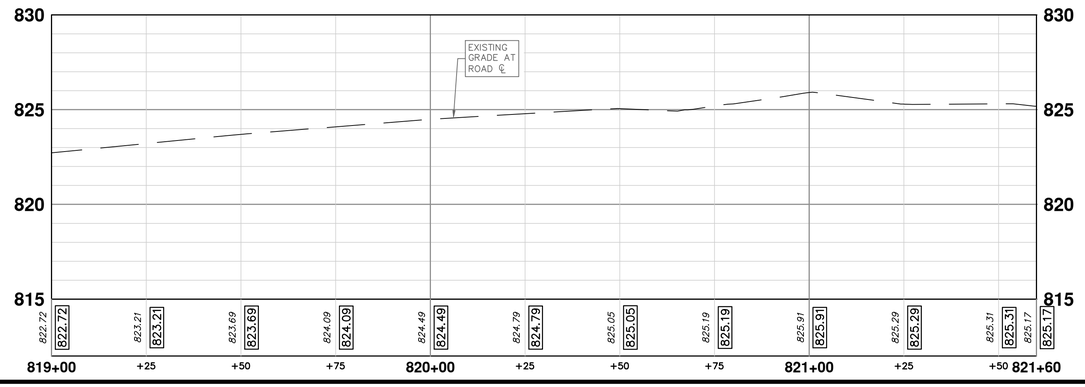
SCALE PLAN: 1" = 20' | PROFILE: 1" = 4' | DRAWING No. 2022-031-141

SHEET No. 141 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_CON.dwg Dwg Created: 17-Dec-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25

PARKWOOD AVENUE





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
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DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
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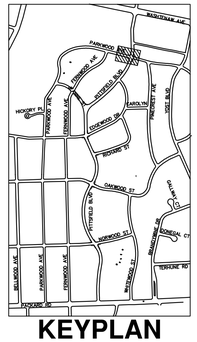
UD	6 INCH UNDERDRAIN



811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

ROAD PLAN (STA 819+00 TO STA 821+60)

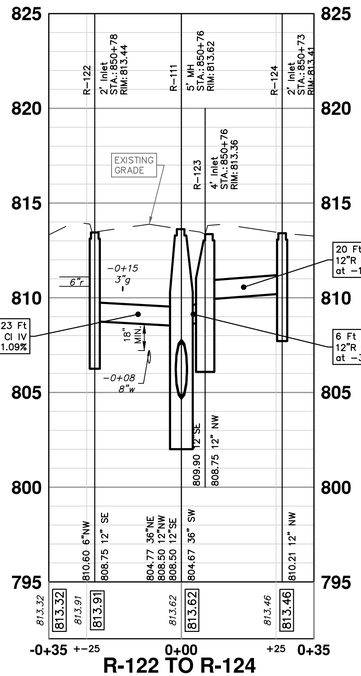
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-142

SHEET No. 142 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_CON.dwg Dwg Created: 17-Dec-24 – _o2 standard bw.stb – Plot Date: 23-Jan-25

R-111

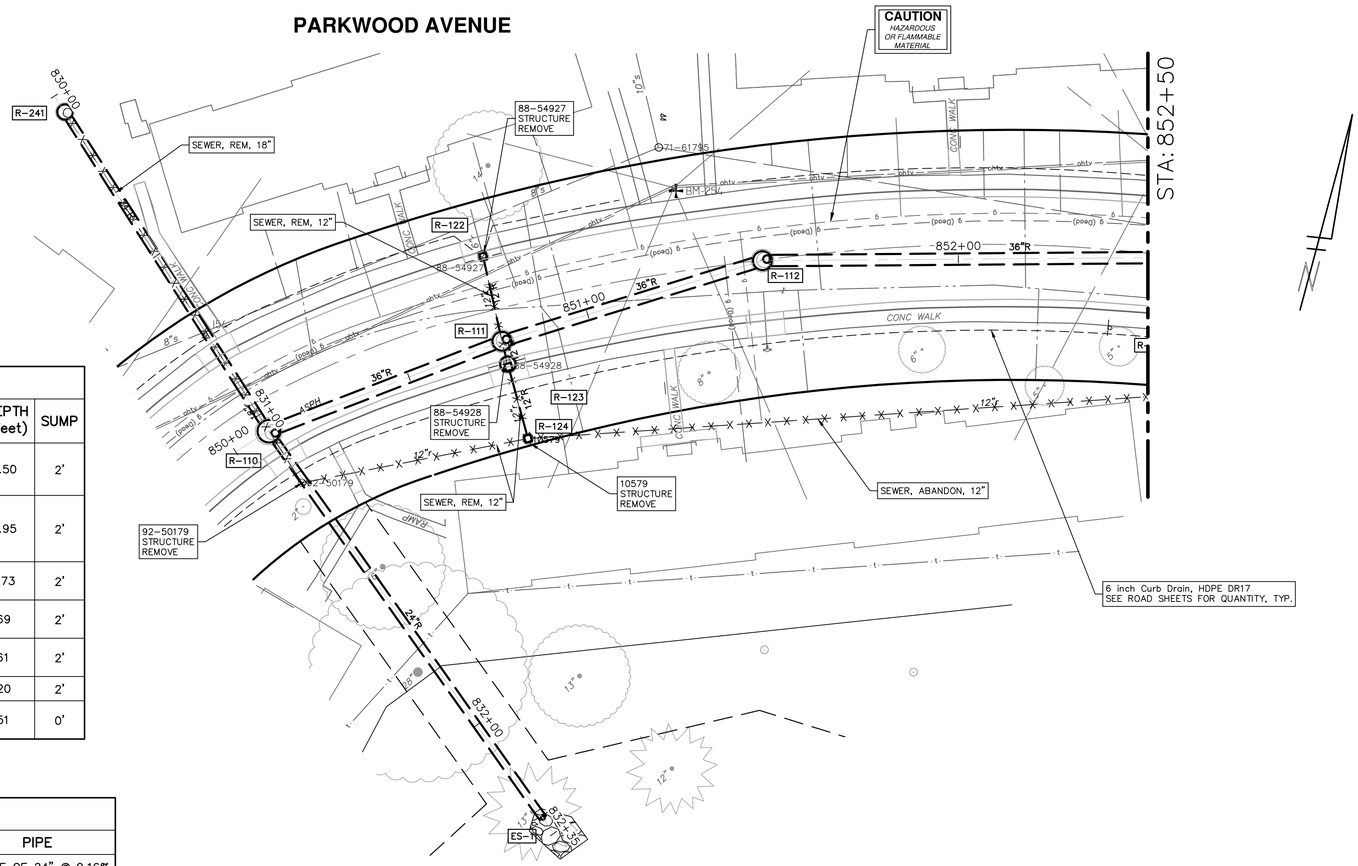


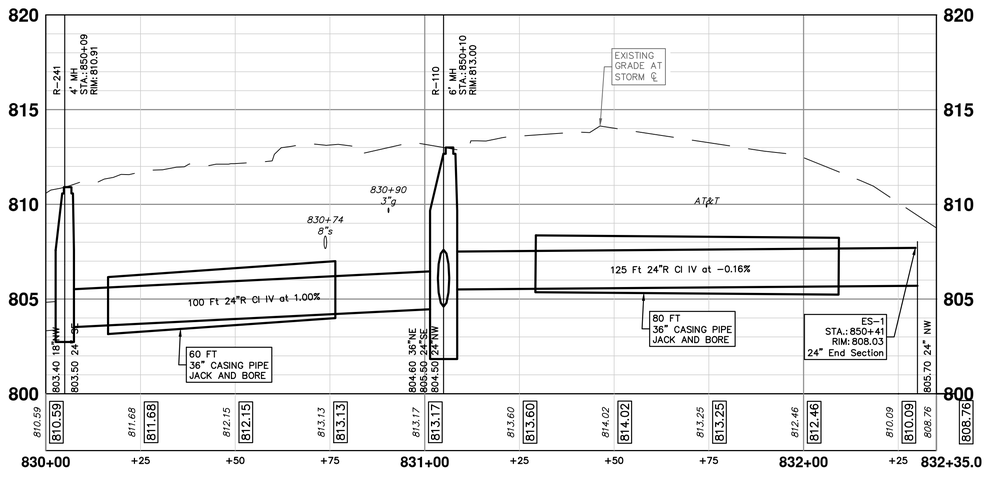
R-122 TO R-124
@ STA 850+76

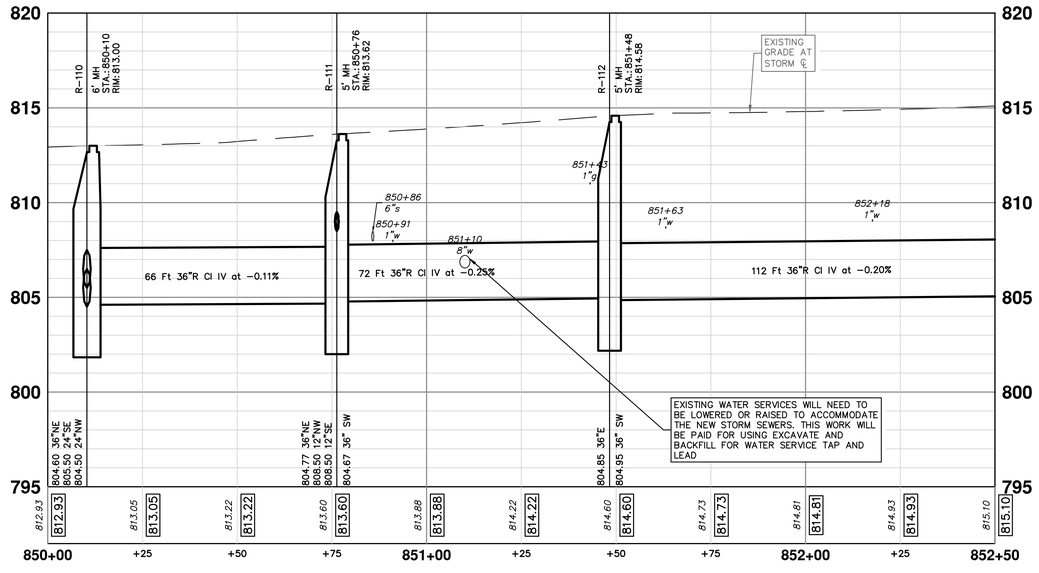
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-110	850+10	6' MH	813.00	36" NE 804.60 24" SE 805.50 24" NW 804.50	10.50	2'
R-111	850+76	5' MH	813.62	36" SW 804.67 36" NE 804.77 12" NW 808.50 12" SE 808.50	10.95	2'
R-112	851+48	5' MH	814.58	36" SW 804.95 36" E 804.85	11.73	2'
R-122	850+78	2' Inlet	813.44	12" SE 808.75 6" NW 810.60	6.69	2'
R-123	850+76	4' Inlet	813.36	12" NW 808.75 12" SE 809.90	6.61	2'
R-124	850+73	2' Inlet	813.41	12" NW 810.21	5.20	2'
R-241	850+09	4' MH	810.91	24" SE 803.50 18" NW 803.40	7.51	0'

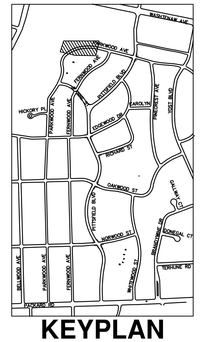
STORM STRUCTURE TABLE				
STRUCTURE	TYPE	RIM	INVERTS	PIPE
ES-1	24" End Section	808.03	24"NW 805.70	125 LF OF 24" @ 0.16%

PARKWOOD AVENUE









KEYPLAN

811 Know what's **below.** **Call** before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS
PARKWOOD AVENUE
STORM SEWER PLAN (STA 850+00 TO STA 852+50)

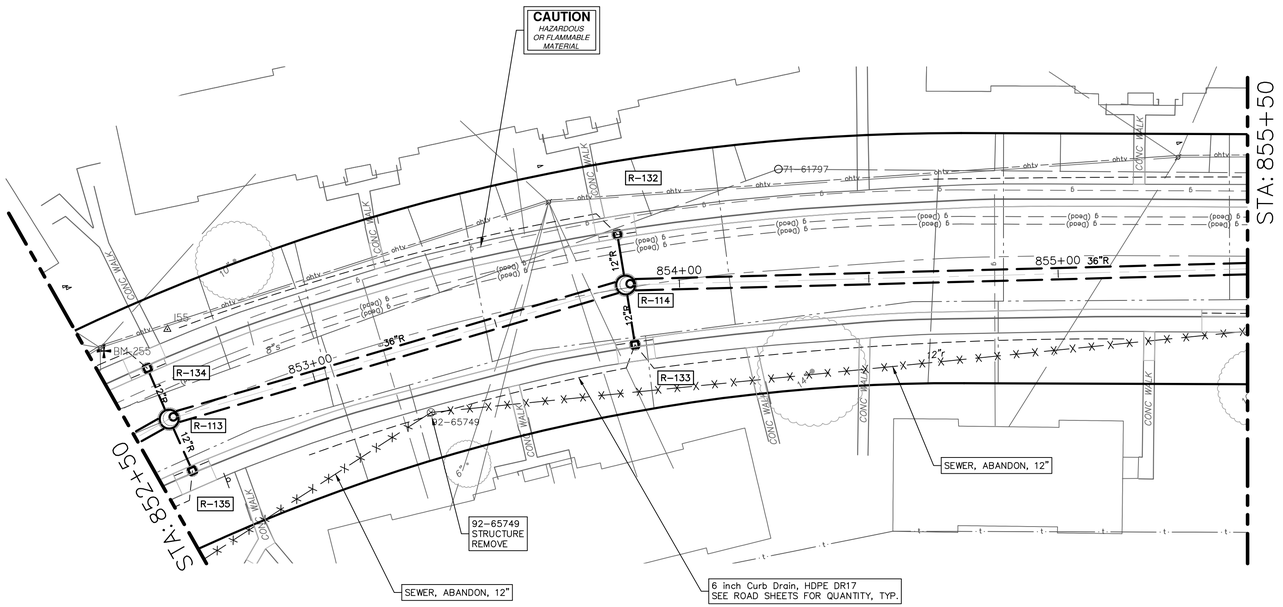
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-143

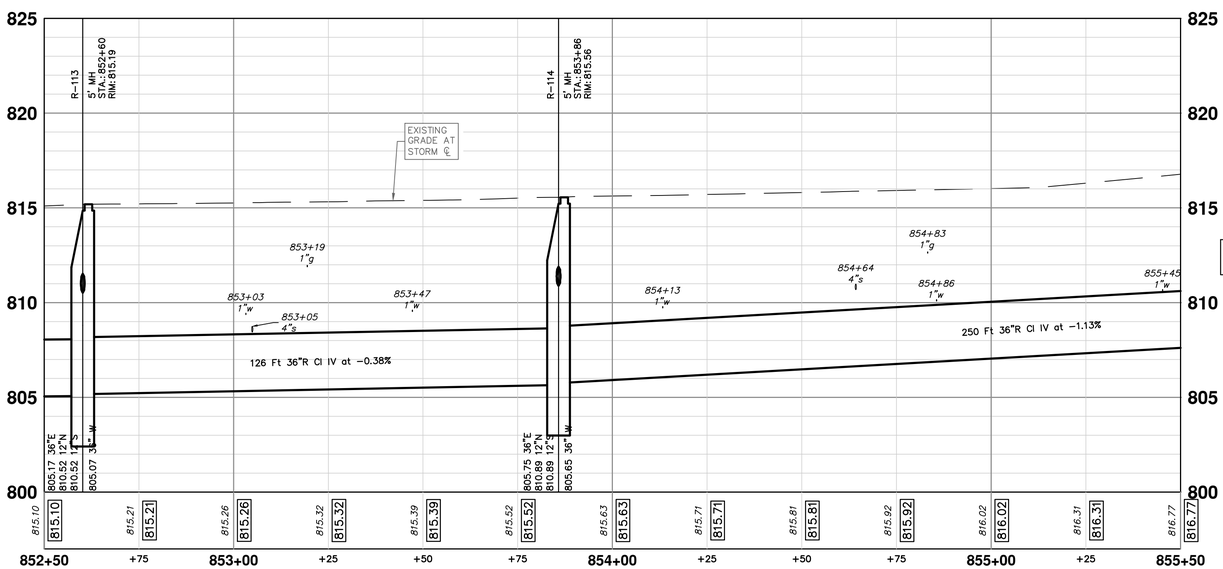
SHEET No. 143 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_STM.dwg Dwg Created: 10-Dec-24 – _o2 standard bw.stb – Plot Date: 23-Jan-25

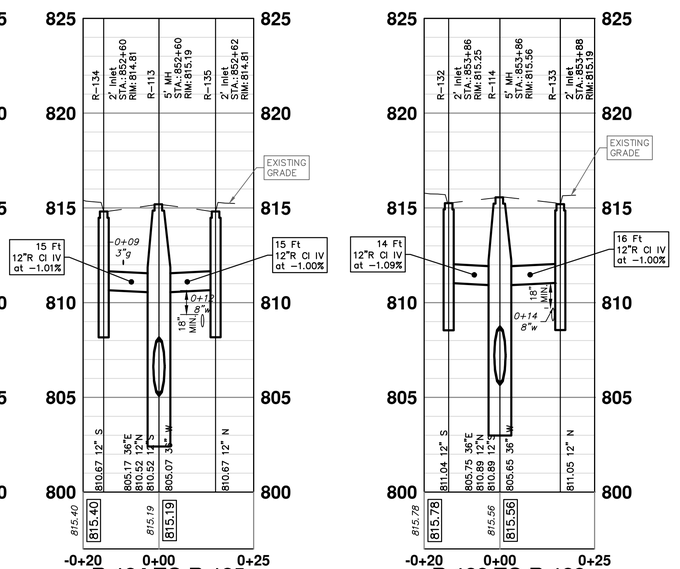
PARKWOOD AVENUE



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-113	852+60	5' MH	815.19	36" W 805.07 36" E 805.17 12" N 810.52 12" S 810.52	12.12	2'
R-114	853+86	5' MH	815.56	36" W 805.65 36" E 805.75 12" N 810.89 12" S 810.89	11.91	2'
R-132	853+86	2' Inlet	815.25	12" S 811.04	6.21	2'
R-133	853+88	2' Inlet	815.19	12" N 811.05	6.14	2'
R-134	852+60	2' Inlet	814.81	12" S 810.67	6.14	2'
R-135	852+62	2' Inlet	814.81	12" N 810.67	6.14	2'

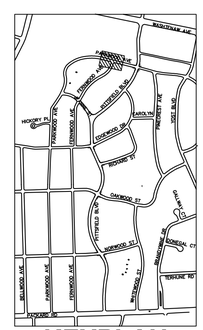


R-113 R-114



R-134 TO R-135

R-132 TO R-133



KEYPLAN

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_STM.dwg Dwg Created: 10-Dec-24 — _02 standard bw.stb — Plot Date: 23-Jan-25

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PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

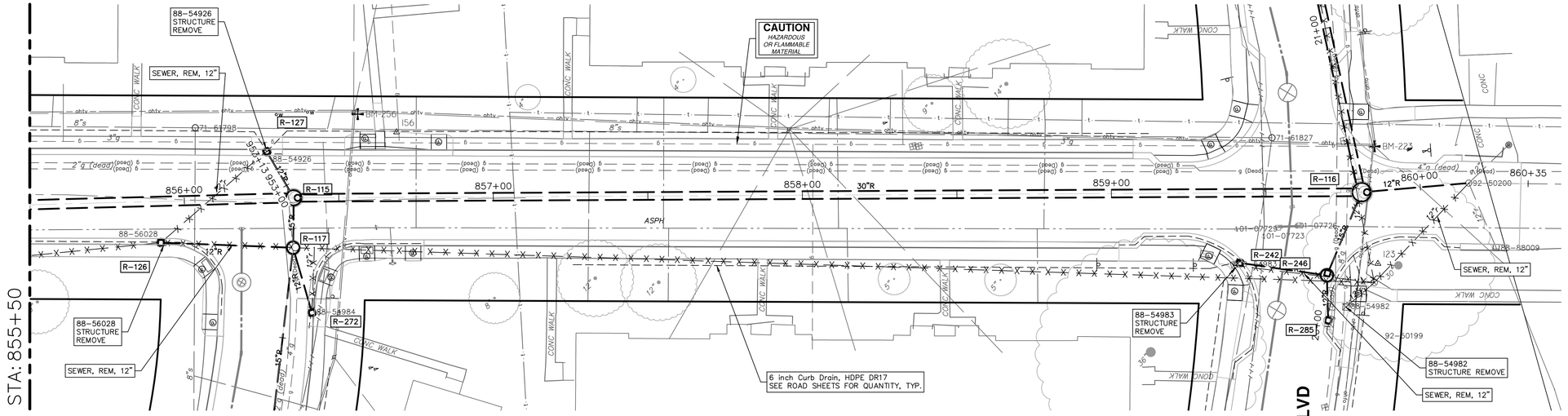
STORM SEWER PLAN (STA 852+50 TO 855+50)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-144

SHEET No. 144 OF 167

PARKWOOD AVENUE

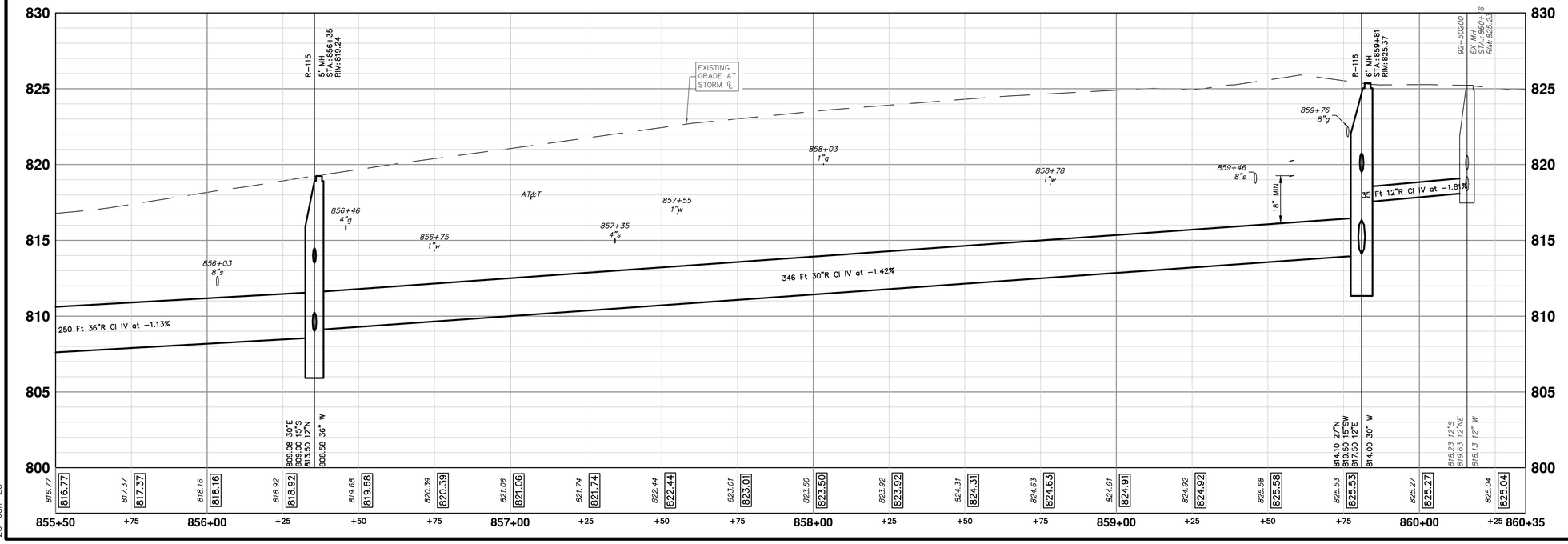


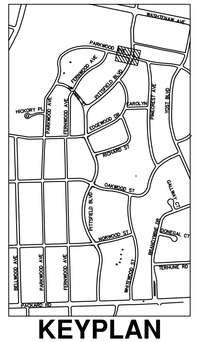
STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-115	856+35	5' MH	819.24	36" W 808.58 30" E 809.08 15" S 809.00 12" N 813.50	12.66	2'
R-117	952+79	4' MH	819.18	12" S 811.50 15" N 809.06 15" S 809.16 12" W 812.00	12.12	2'
R-126	855+92	2' Inlet	817.36	12" E 812.96	6.40	2'
R-127	953+13	2' Inlet	818.37	12" S 813.87	6.50	2'
R-272	952+59	2' Inlet	819.00	12" N 811.70	9.30	2'

STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-242	859+41	2' Inlet	825.16	12" E 821.07	6.09	2'
R-116	859+81	6' MH	825.37	30" W 814.00 27" N 814.10 15" SW 819.50 12" E 817.50	13.37	2'
R-246	20+17	4' Inlet	825.59	15" NE 819.12 12" W 820.20 12" S 819.22	8.47	2'
92-50200	860+16	EX MH	825.23	12" W 818.13 12" S 818.23 12" NE 819.63	7.10	0'





KEYPLAN

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01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

STORM SEWER PLAN (STA 855+50 TO STA 860+00)

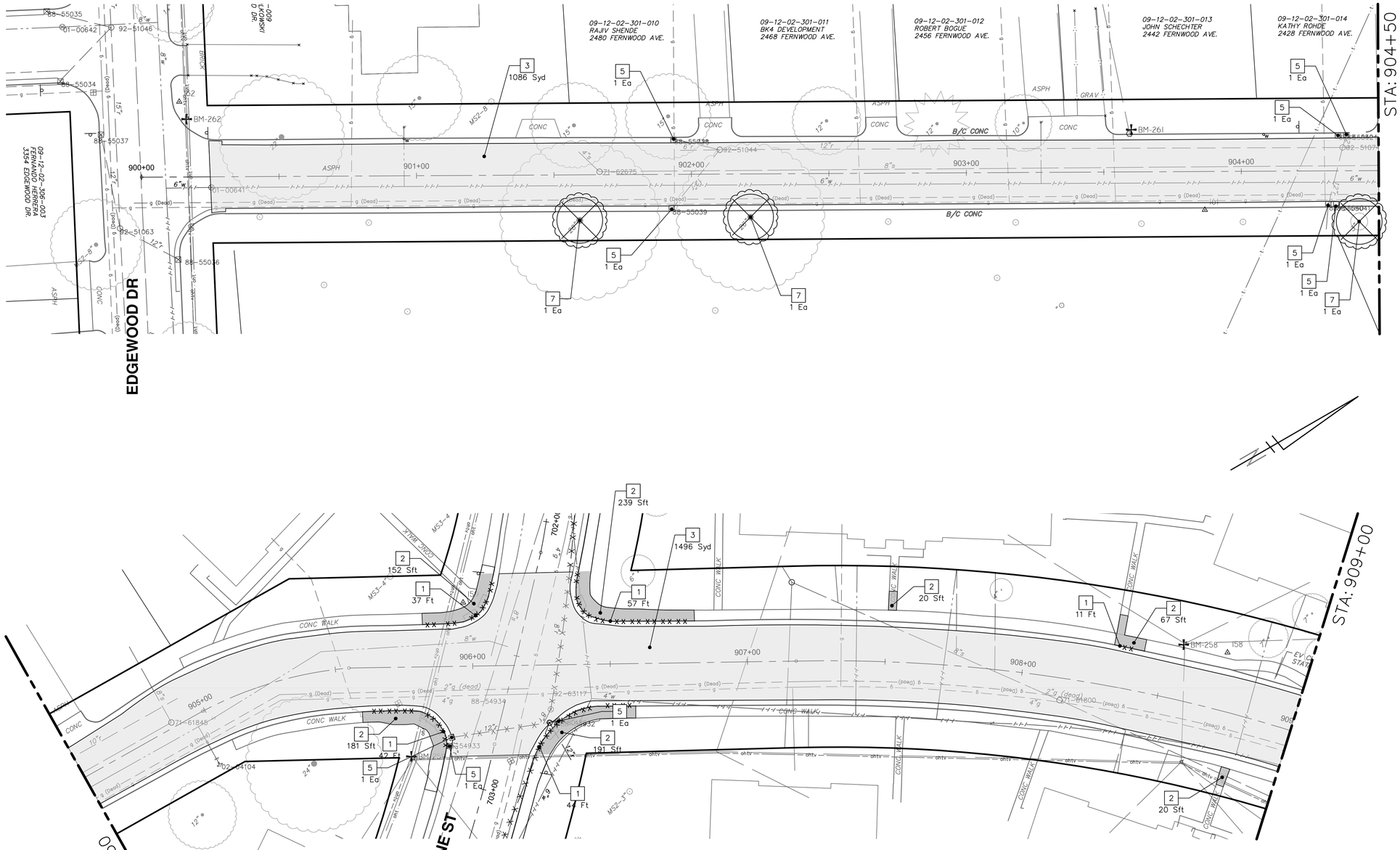
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-145

SHEET No. 145 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PARKWOOD_STM.dwg Dwg Created: 10-Dec-24 - _o2 standard bw.stb - Plot Date: 23-Jan-25

FERNWOOD AVENUE

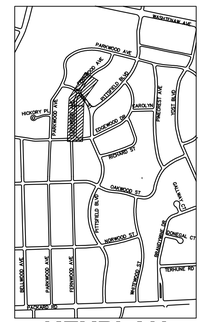


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
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NO	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2		1-22-2025	SM	CE
00	BID SET		12-19-2024	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

FERNWOOD AVENUE

REMOVAL PLAN (STA 900+00 TO STA 909+00)

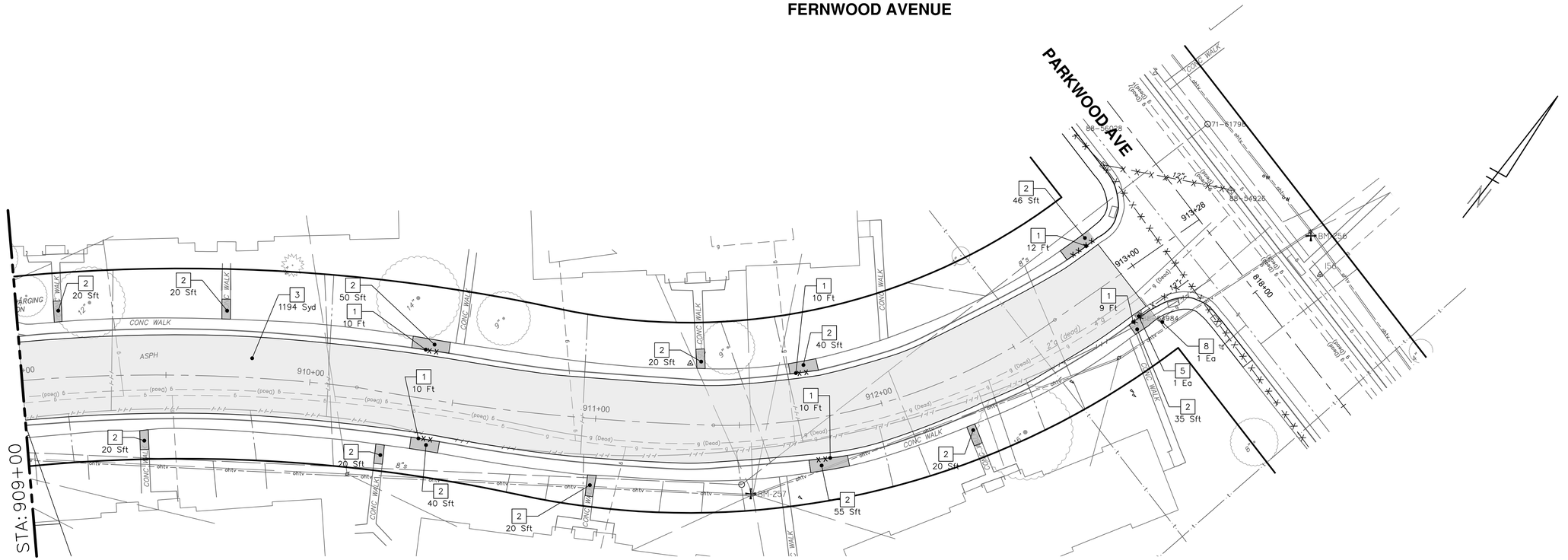
SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-146

SHEET No. 146 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050FERNWOOD_REM.dwg Dwg Created: 31-Oct-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

FERNWOOD AVENUE

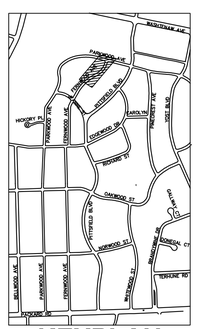


REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER – ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE – SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

FERNWOOD AVENUE

REMOVAL PLAN (STA 909+00 TO STA 913+28)

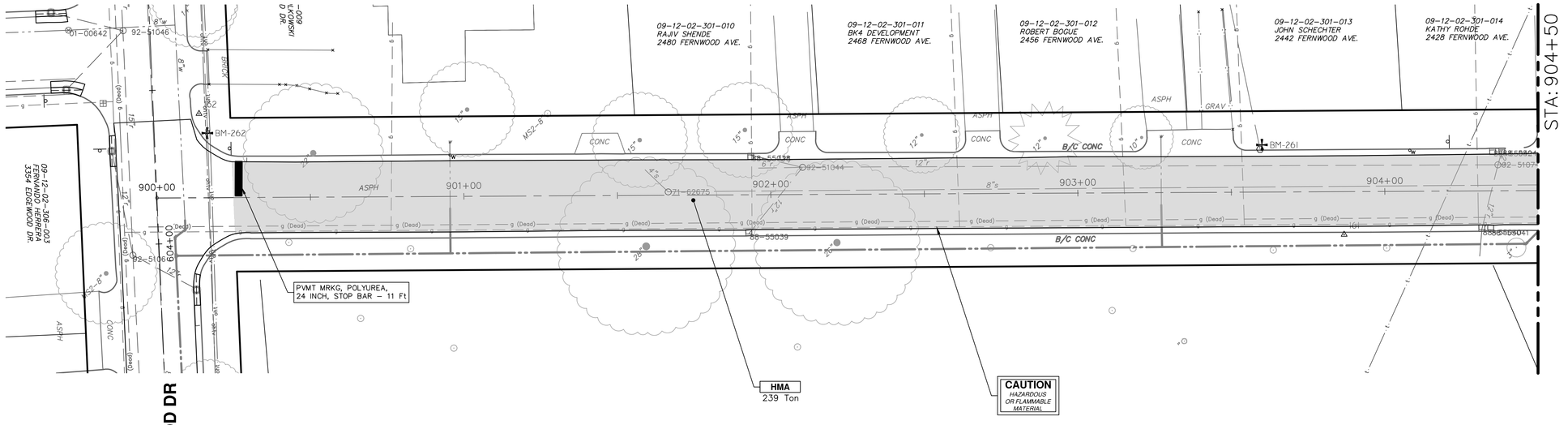
SCALE 1" = 20'

DRAWING No. 2022-031-147

SHEET No. 147 OF 167

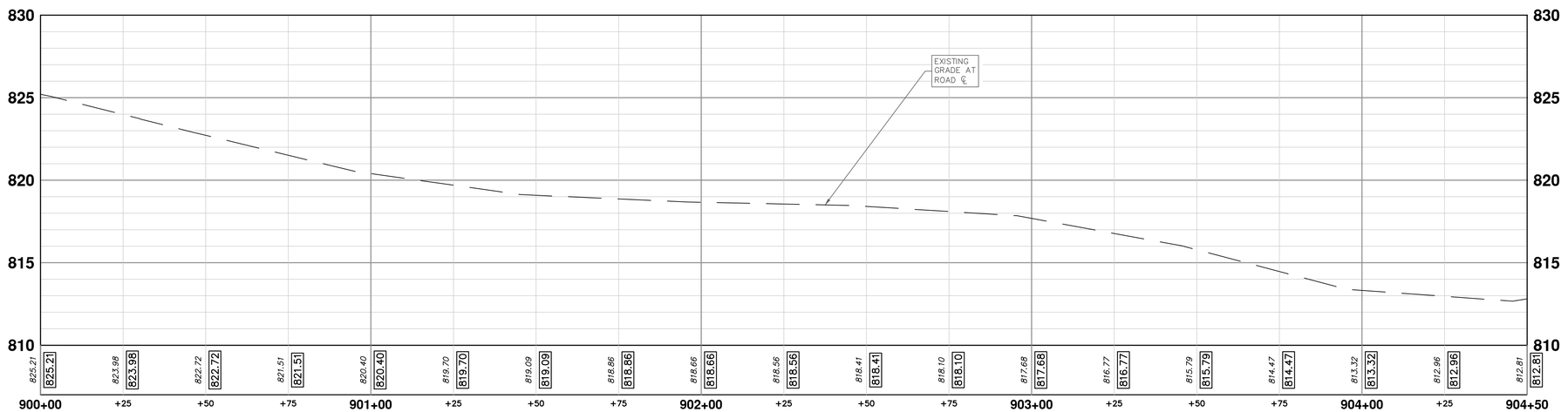
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050FERNWOOD_REM.dwg Dwg Created: 31-Oct-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

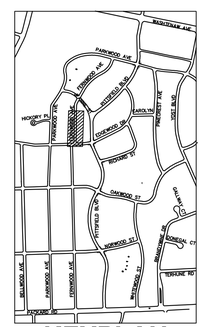
FERNWOOD AVENUE



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN





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00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

FERNWOOD AVENUE

ROAD PLAN (STA 900+00 TO STA 904+50)

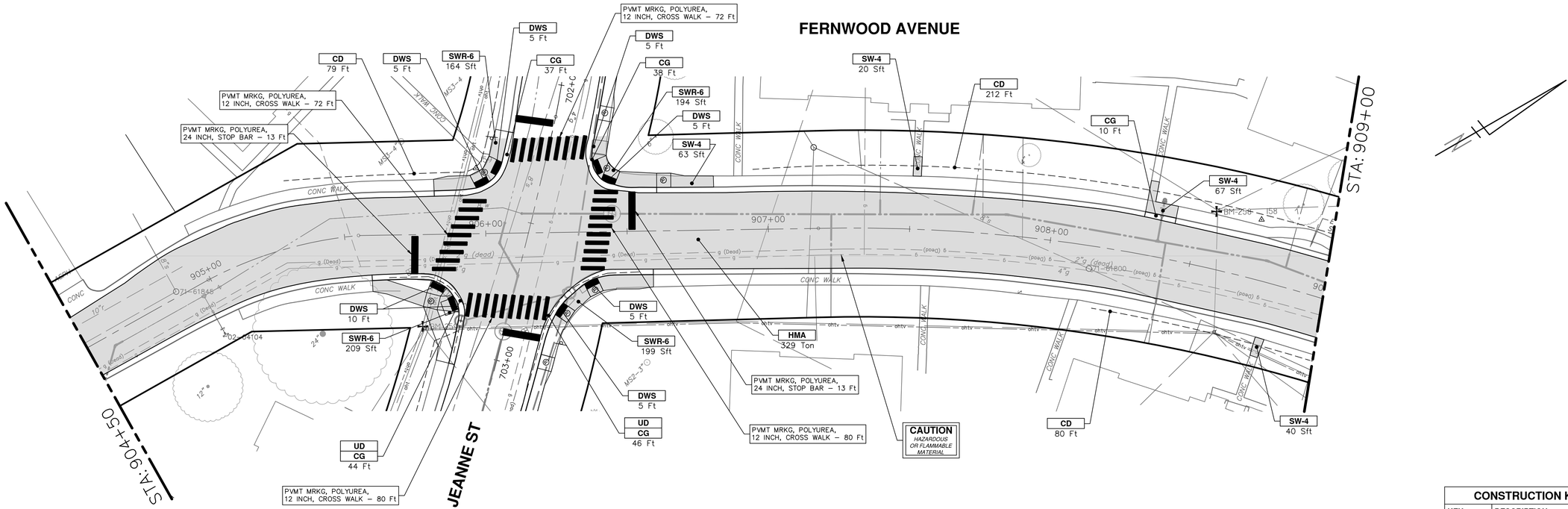
SCALE PLAN: 1" = 20' | PROFILE: 1" = 4'

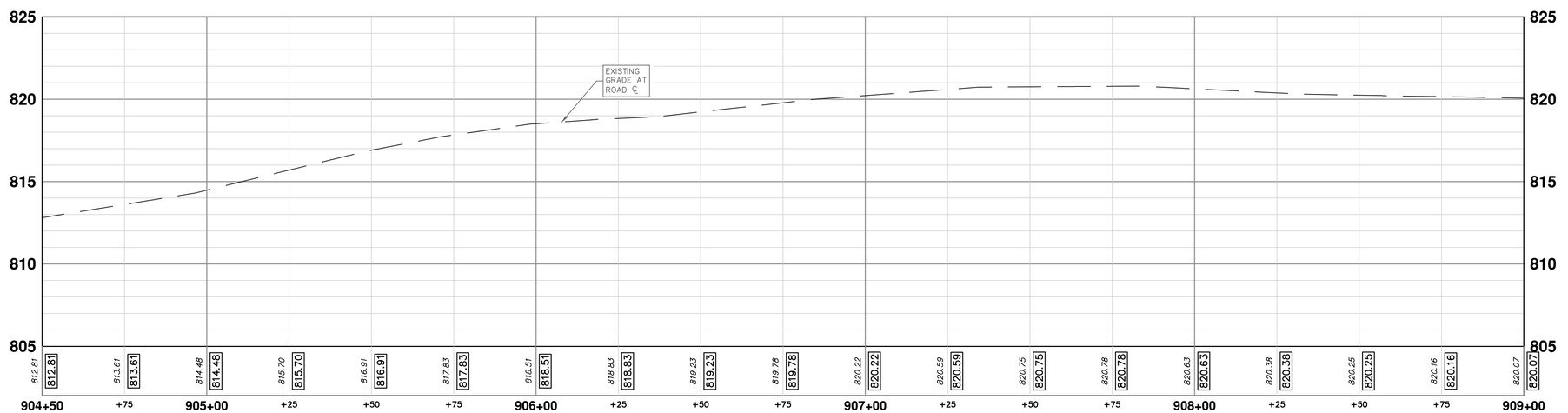
DRAWING No. 2022-031-148

SHEET No. 148 OF 167

Know what's below. Call before you dig.

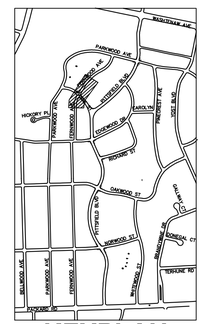
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_CON.dwg Dwg Created: 17-Dec-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25





CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
DC-6	6 INCH CONCRETE DRIVE, HIGH EARLY
HMA	HMA, PAVEMENT LEVELING COURSE/TOP COURSE PER TYPICAL SECTION
SW-4	4 INCH CONCRETE SIDEWALK
SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



KEYPLAN

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

FERNWOOD AVENUE

ROAD PLAN (STA 904+50 TO STA 909+00)

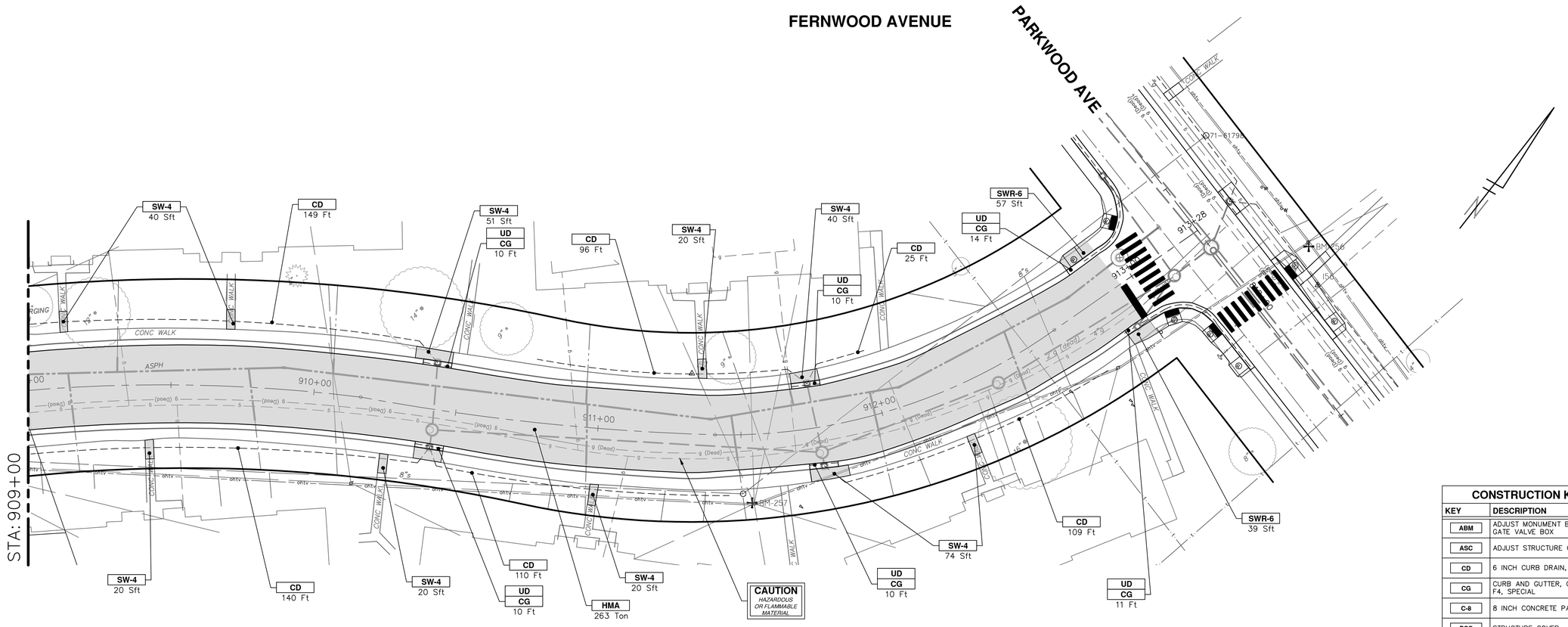
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2022-031-149

SHEET No. 149 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_CON.dwg Dwg Created: 17-Dec-24 – _o2 standard bw.stb – Plot Date: 23-Jan-25

FERNWOOD AVENUE



CONSTRUCTION KEY

KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
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DWS	DETECTABLE WARNING, CAST IN PLACE
DO-M	DRIVEWAY OPENING, CONCRETE, DETAIL M
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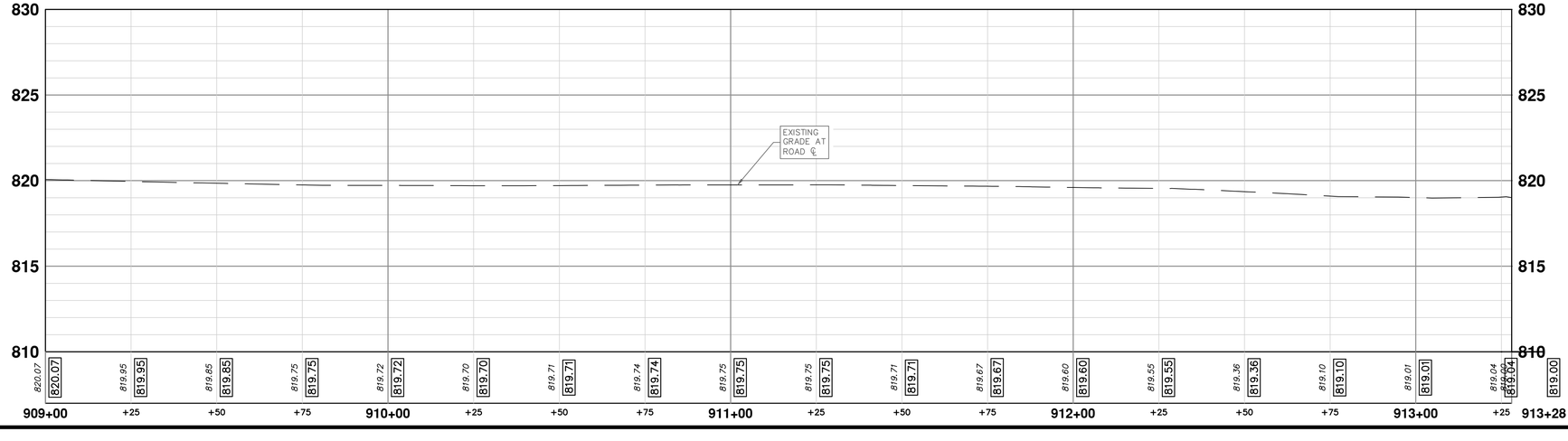

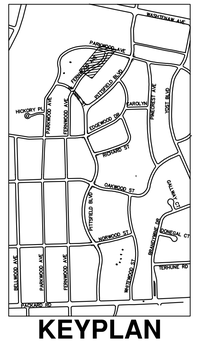

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

FERNWOOD AVENUE

ROAD PLAN (STA 909+00 TO STA 913+28)

SCALE 1" = 20'

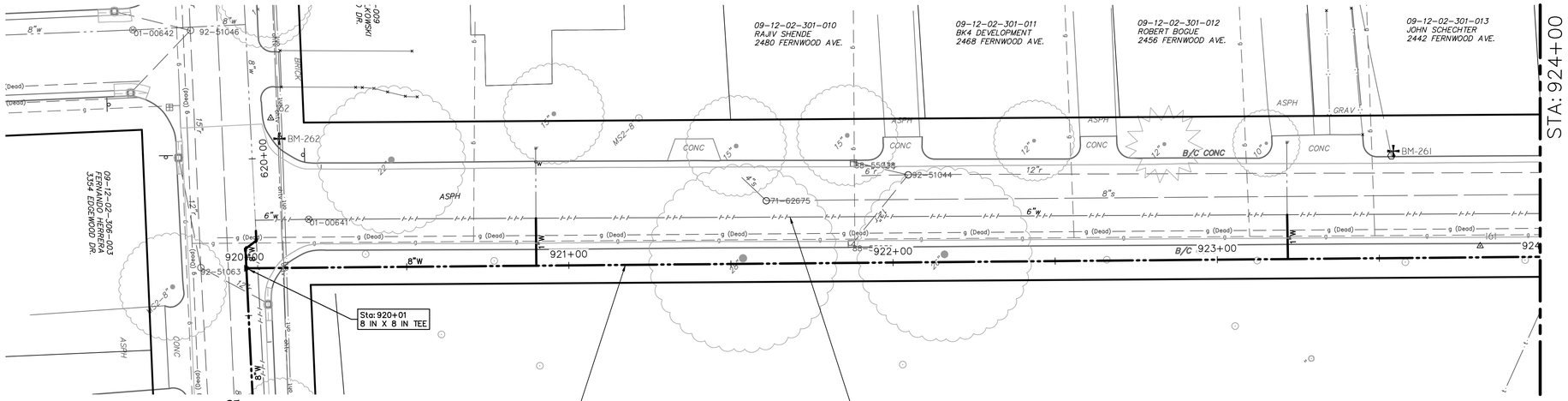
PROFILE: 1" = 4'

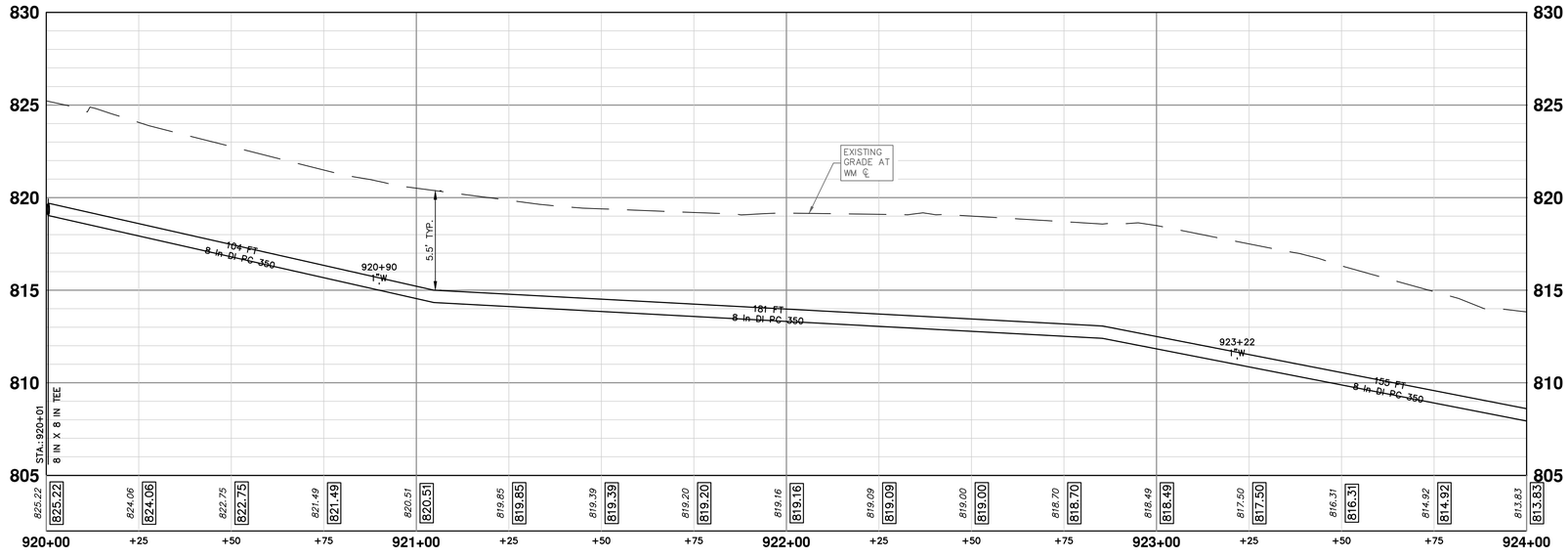
DRAWING No. 2022-031-150

SHEET No. 150 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_CON.dwg Dwg Created: 17-Dec-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25

FERNWOOD AVENUE

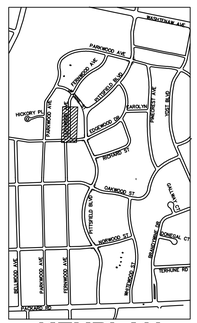




WATER MAIN NOTES:
1. WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, XX LB"

2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.



KEYPLAN

Know what's **below.** **Call before you dig.** 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

FERNWOOD AVENUE

WATER MAIN PLAN (STA 920+00 TO STA 924+00)

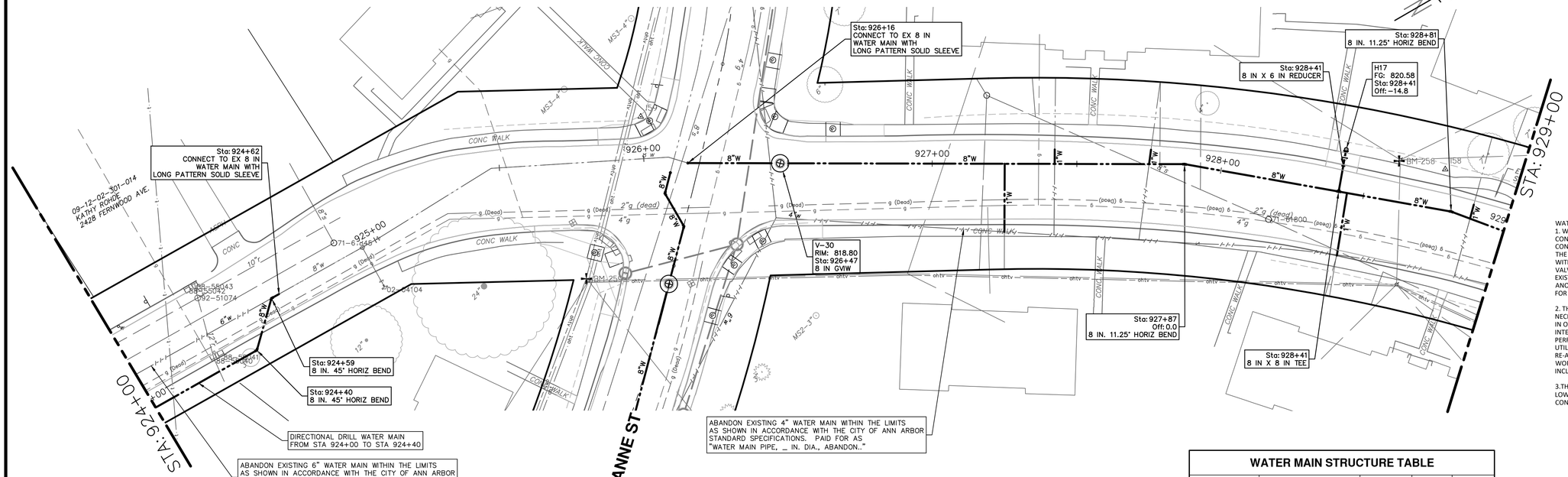
SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

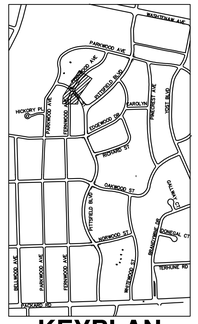
DRAWING No. 2022-031-151

SHEET No. 151 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_WM.dwg Dwg Created: 19-Nov-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25

FERNWOOD AVENUE





WATER MAIN NOTES:
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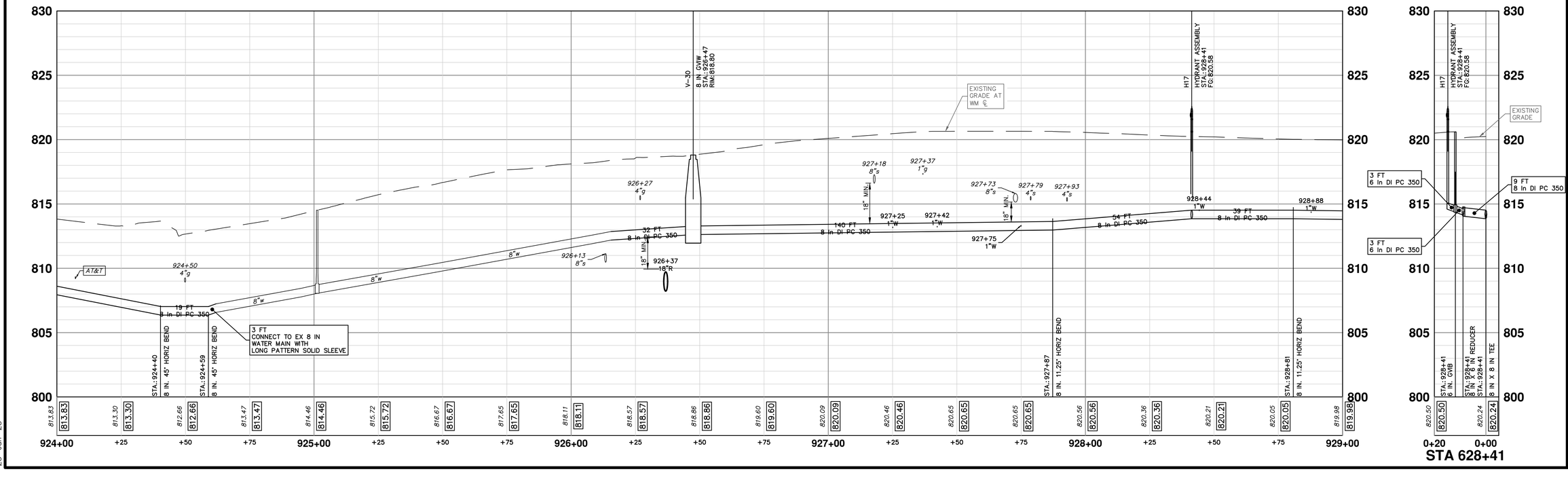
2. THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

3.THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-30	8 in GVIW	926+47	818.80	6.19
H17	HYDRANT ASSEMBLY	928+41	820.58	6.00

H17



811 Know what's below. Call before you dig.

1-22-2025		SM	CE	CHECKED
12-19-2024		SM	CE	DRAWN
DATE				
01	ADDENDUM #2			
00	BID SET			
REV.	DESCRIPTION			

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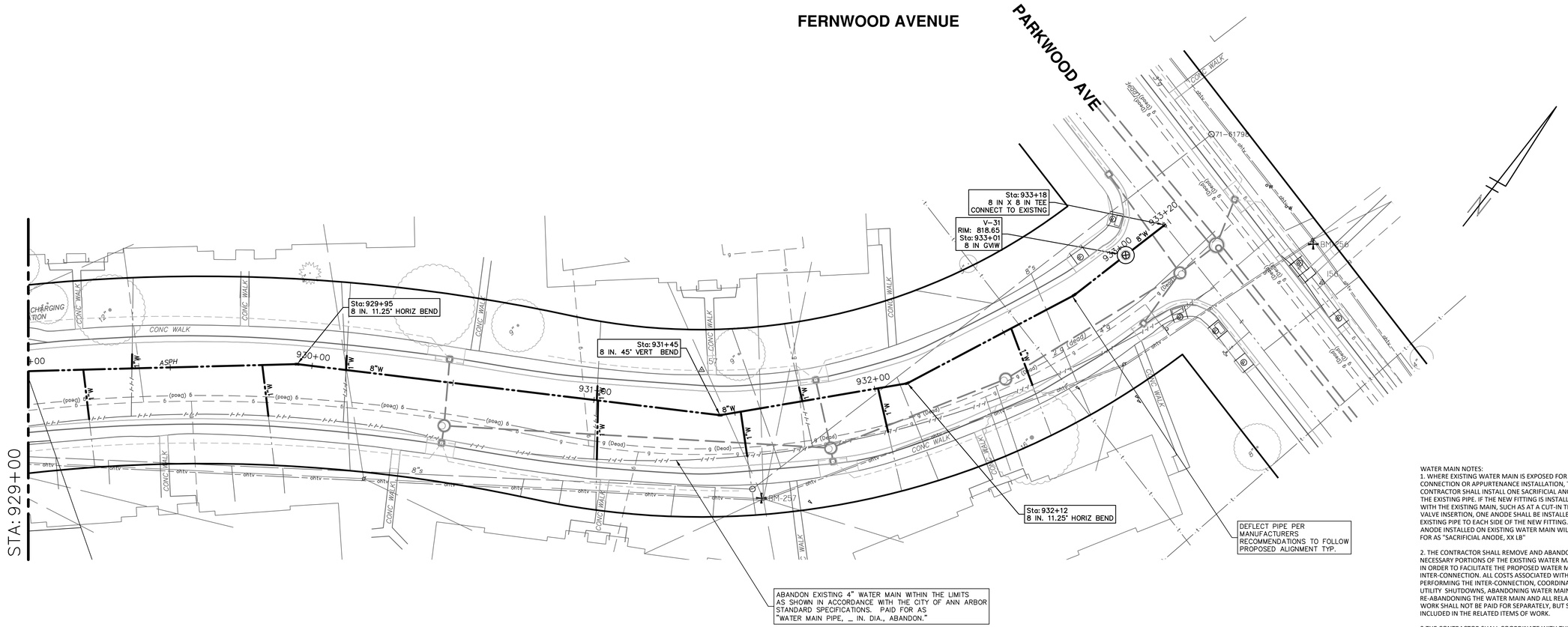
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

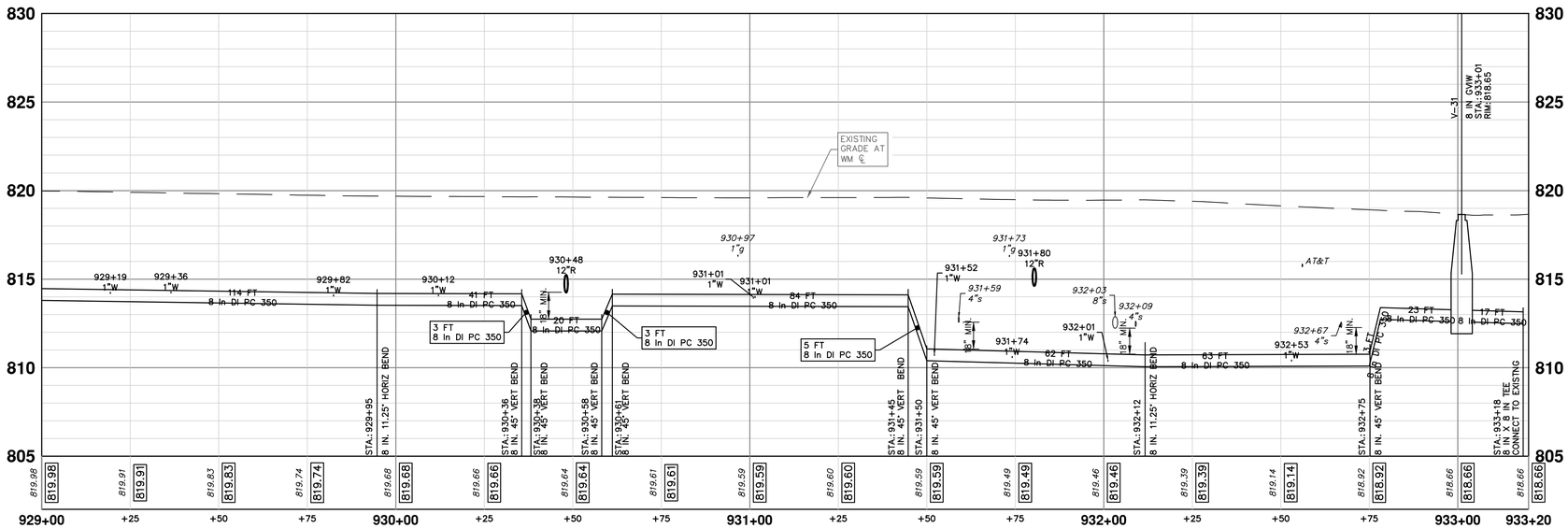
PITTSFIELD VILLAGE IMPROVEMENTS
FERNWOOD AVENUE
WATER MAIN PLAN (STA 924+00 TO STA 929+00)

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'
DRAWING No. 2022-031-152
SHEET No. 152 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_WM.dwg Dwg Created: 19-Nov-24 — _02 standard bw.stb — Plot Date: 23-Jan-25

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_WM.dwg Dwg Created: 19-Nov-24 – _a2 standard bw.stb – Plot Date: 23-Jan-25





WATER MAIN NOTES:
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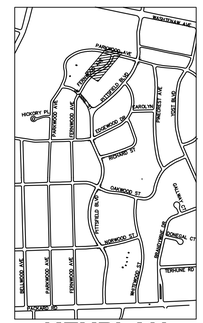
WATER MAIN STRUCTURE TABLE

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-31	8 in GVIW	933+01	818.65	6.06



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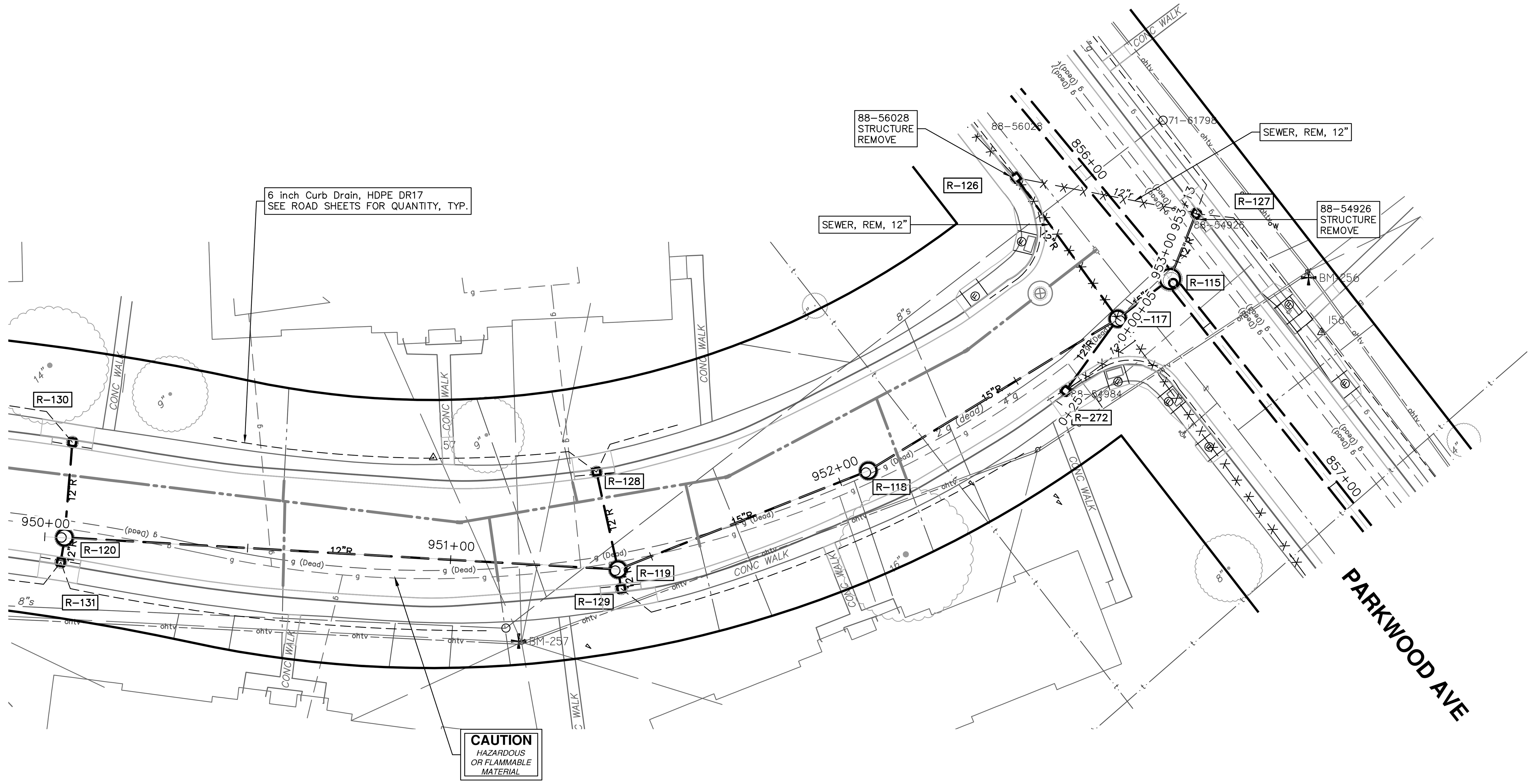
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

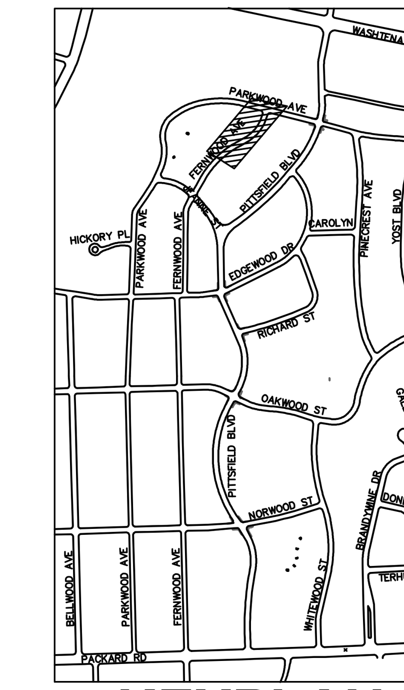
PITTSFIELD VILLAGE IMPROVEMENTS

FERNWOOD AVENUE

WATER MAIN PLAN (STA 929+50 TO STA 933+20)

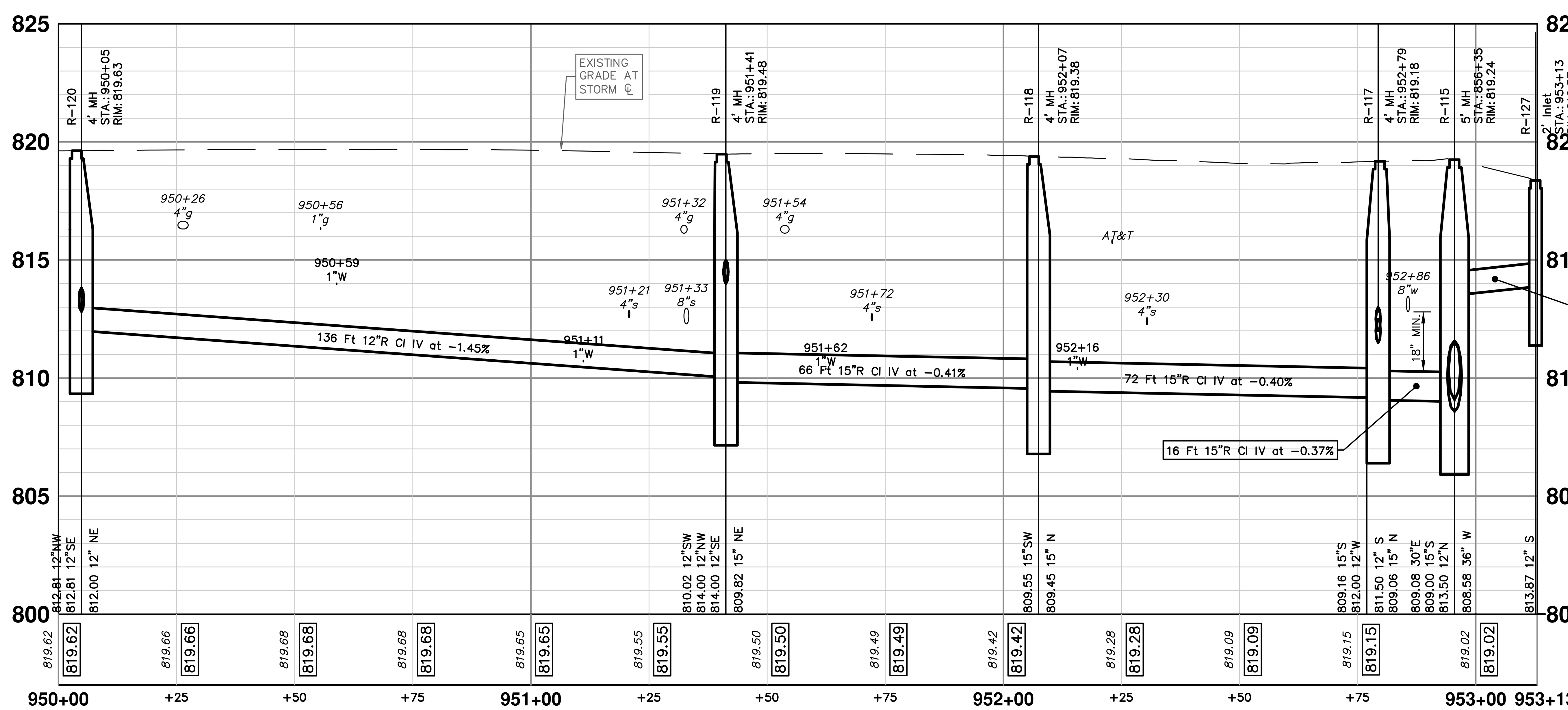
SCALE 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-153
SHEET No. 153 OF 167



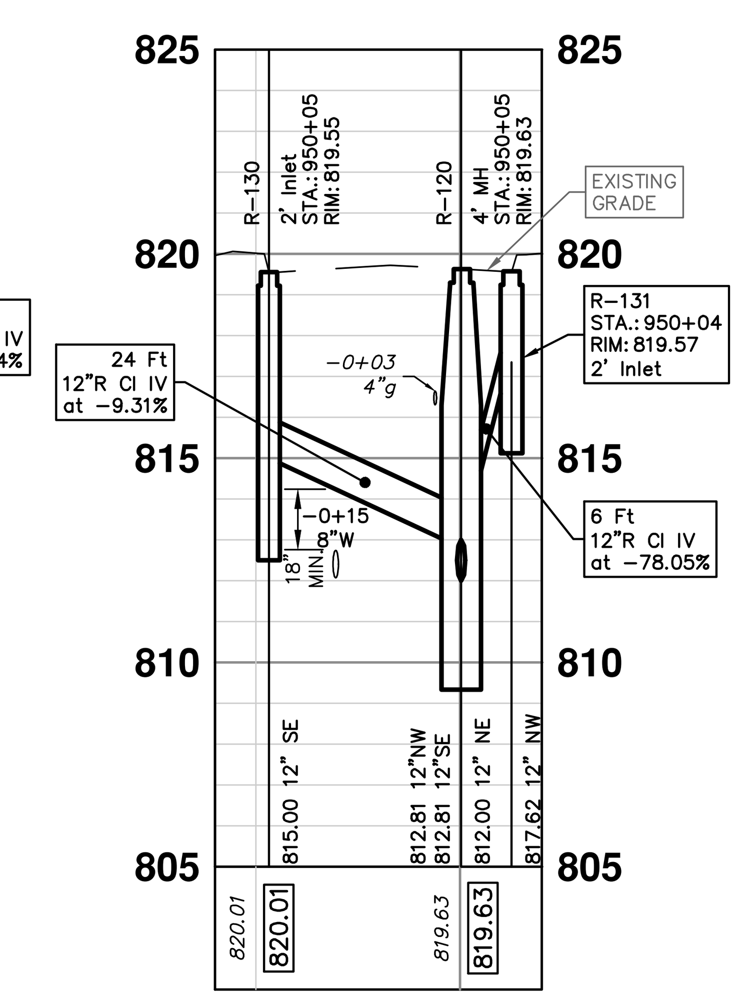


KEYPLAN

STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-115	856+35	5' MH	819.24	36" W 808.58 30" E 809.08 15" S 809.00 12" N 813.50	12.66	2'
R-117	952+79	4' MH	819.18	12" S 811.50 15" N 809.06 15" S 809.16 12" W 812.00	12.12	2'
R-118	952+07	4' MH	819.38	15" N 809.45 15" SW 809.55	11.93	2'
R-119	951+41	4' MH	819.48	15" NE 809.82 12" SW 810.02 12" NW 814.00 12" SE 814.00	11.66	2'
R-120	950+05	4' MH	819.63	12" NE 812.00 12" NW 812.81 12" SE 812.81	9.63	2'
R-126	855+92	2' Inlet	817.36	12" E 812.96	6.40	2'
R-127	953+13	2' Inlet	818.37	12" S 813.87	6.50	2'
R-128	951+35	2' Inlet	819.26	12" SE 814.84	6.42	2'
R-129	951+42	2' Inlet	819.35	12" NW 814.86	6.50	2'
R-130	950+05	2' Inlet	819.55	12" SE 815.00	6.55	2'
R-131	950+04	2' Inlet	819.57	12" NW 817.62	3.95	2'

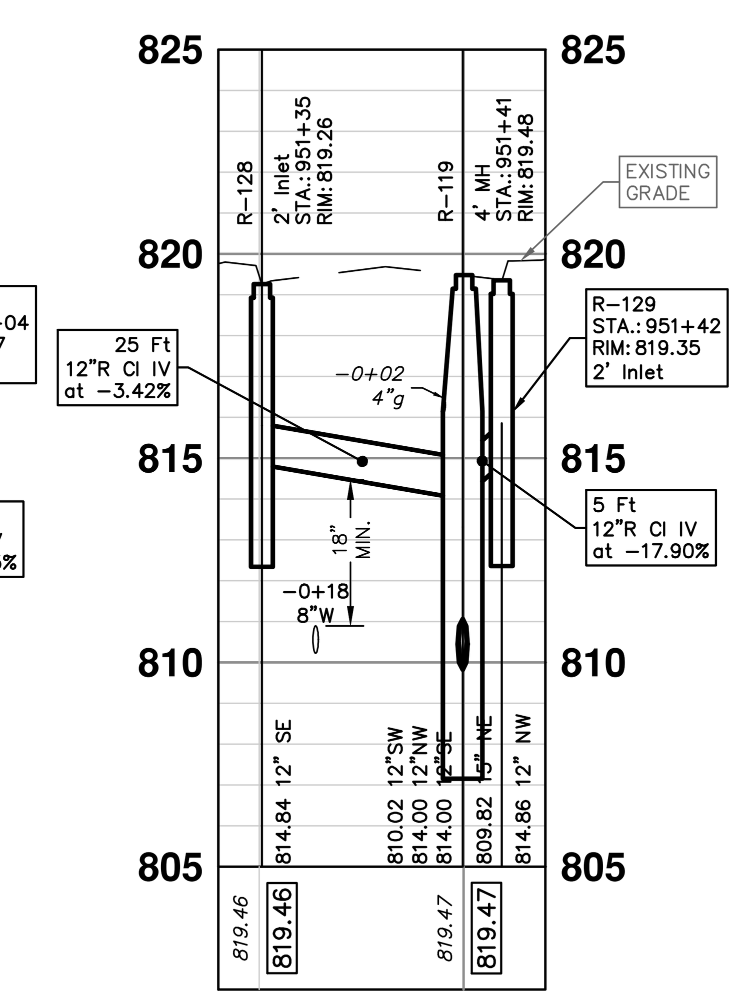


R-120



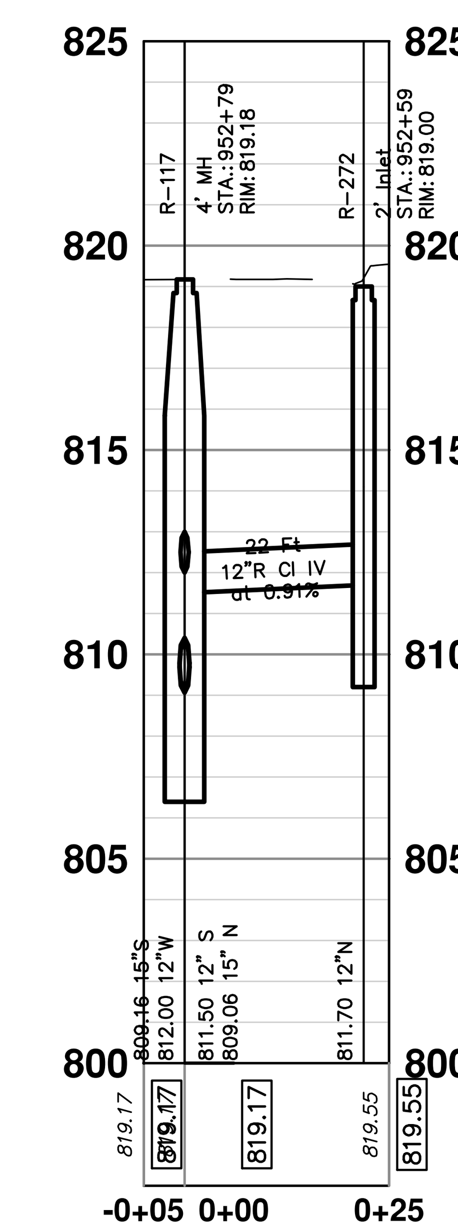
R-130 TO R-131
@ STA 950+05

R-119



R-128 TO R-129
@ STA 951+41

R-117



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

FERNWOOD AVENUE

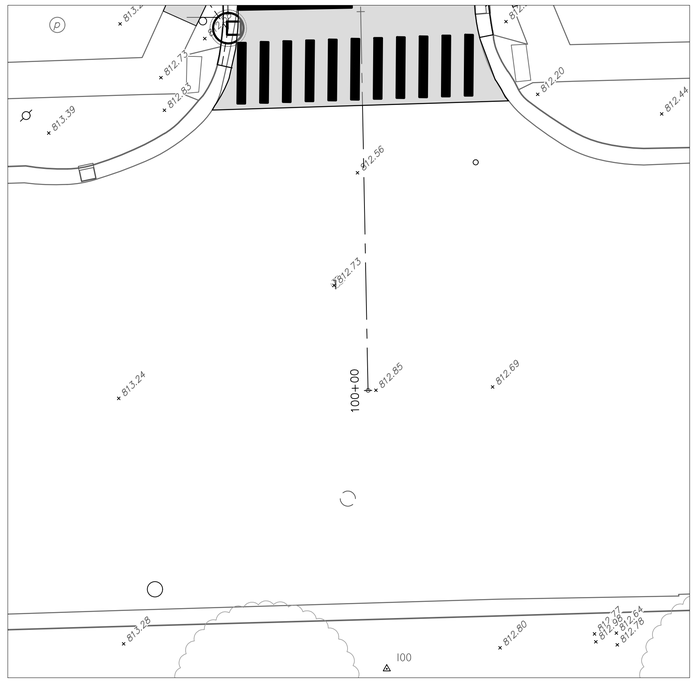
STORM SEWER PLAN (STA 950+00 TO STA 953+13)

SCALE 1" = 20'
PROFILE: 1" = 4'

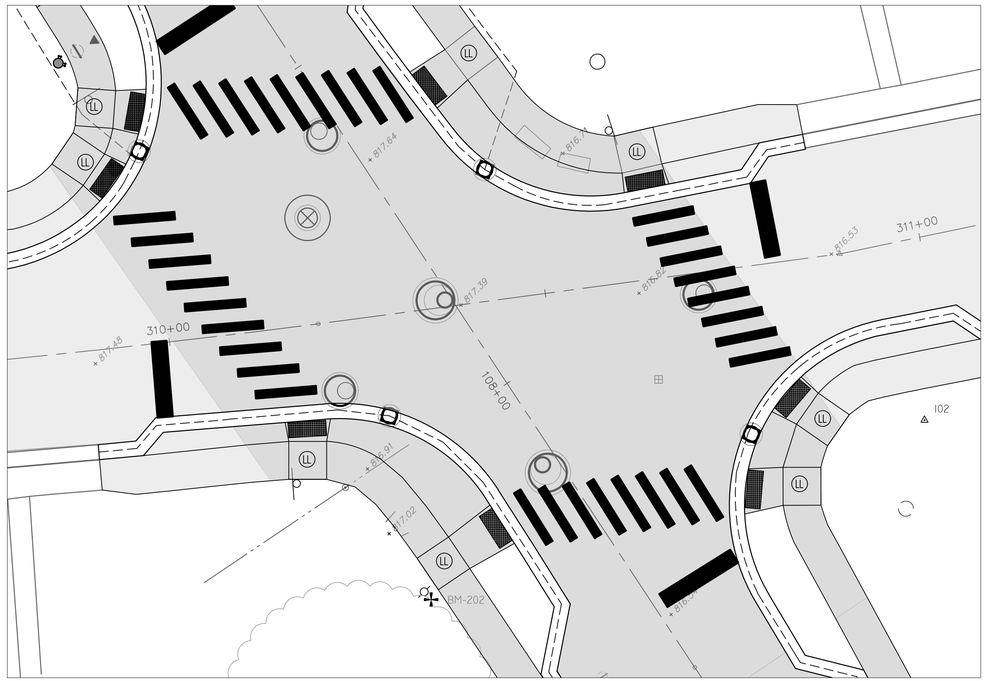
DRAWING No.
2022-031-154

SHEET No.

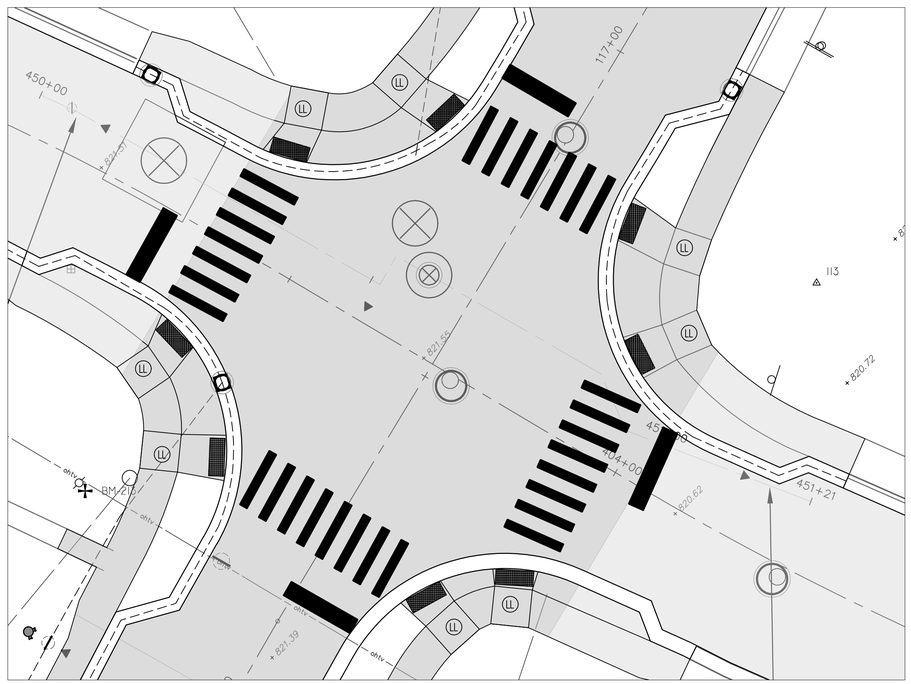
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_STM.dwg Dwg Created: 6-Aug-24 - _a2 standard bw.stb - Plot Date: 23-Jan-25



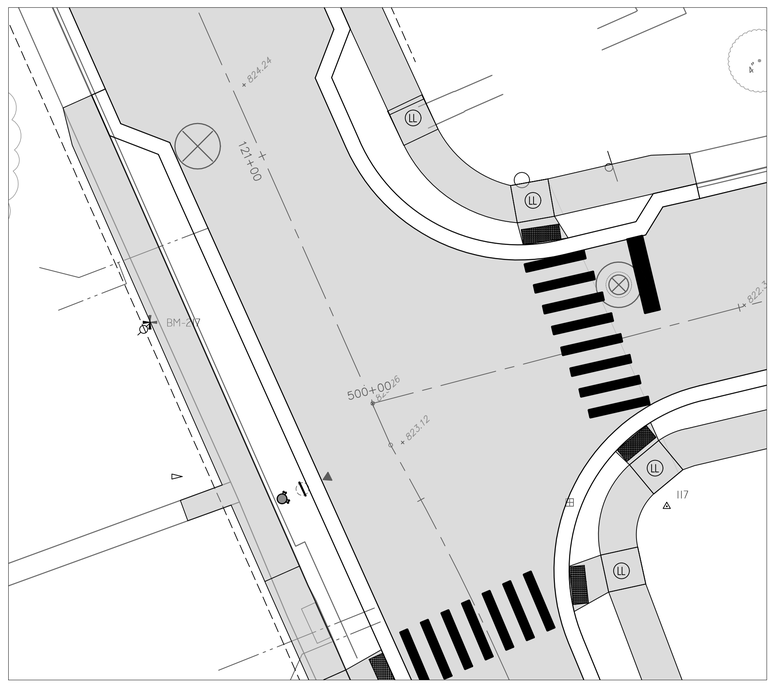
PITTSFIELD BLVD AND PACKARD RD INTERSECTION



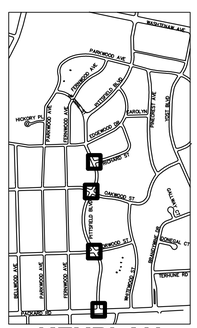
PITTSFIELD BLVD AND NORWOOD ST INTERSECTION



PITTSFIELD BLVD AND OAKWOOD ST INTERSECTION



PITTSFIELD BLVD AND RICHARD ST INTERSECTION



KEYPLAN

811 Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

DETAILED GRADING

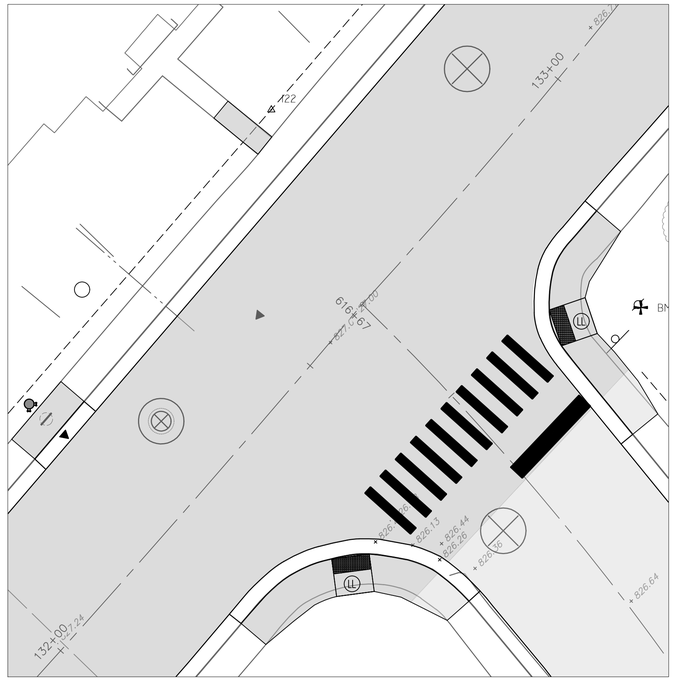
INTERSECTION GRADING

SCALE PLAN: 1" = 10'

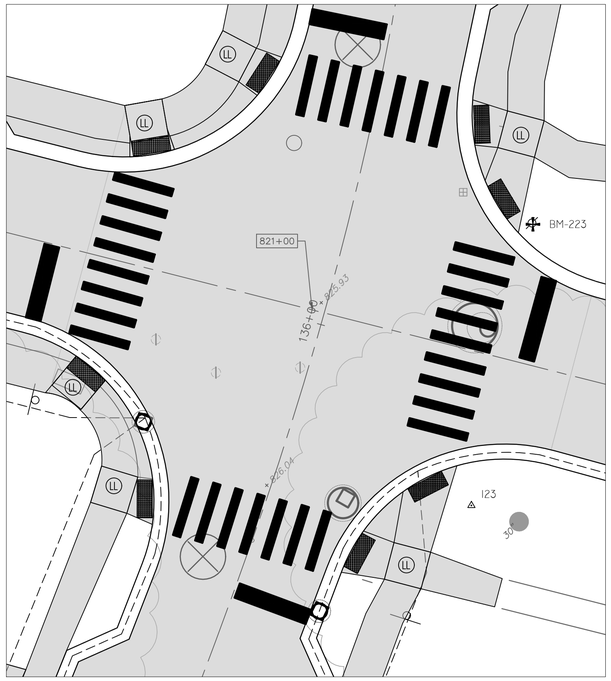
DRAWING No. **2022-031-155**

SHEET No. **155 OF 167**

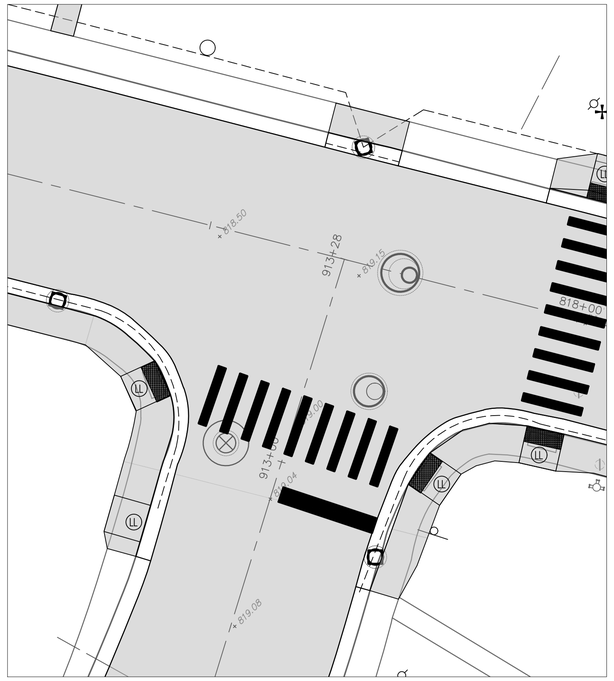
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Grading\2300500GRD.dwg Dwg Created: 4-Sep-24 — _02 standard bw.stb — Plot Date: 23-Jan-25



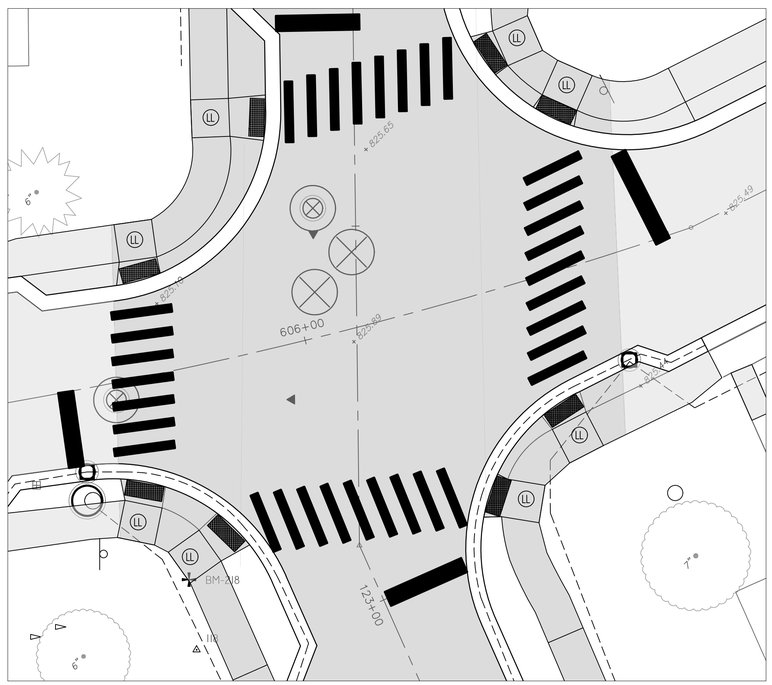
PITTSFIELD BLVD AND EDGEWOOD DR INTERSECTION



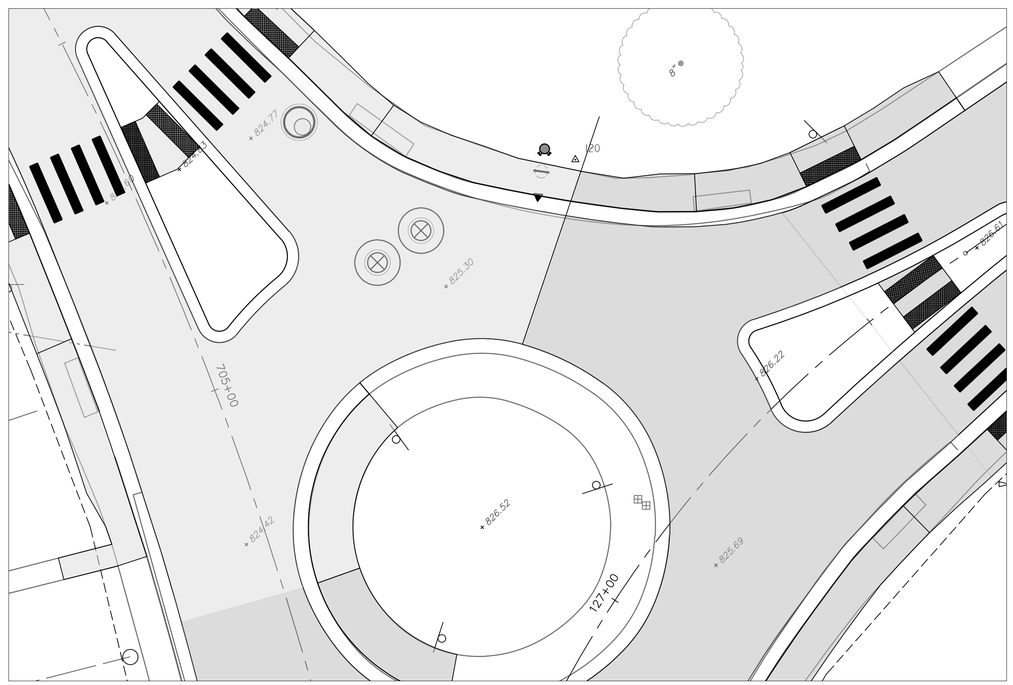
PITTSFIELD BLVD AND PARKWOOD AVE INTERSECTION



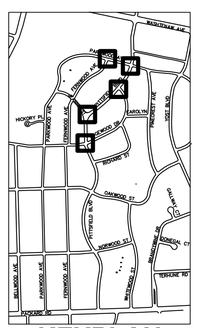
FERNWOOD AVE AND PARKWOOD AVE INTERSECTION



PITTSFIELD BLVD AND EDGEWOOD DR INTERSECTION



PITTSFIELD BLVD AND JEANNE ST INTERSECTION



KEYPLAN

Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

DETAILED GRADING

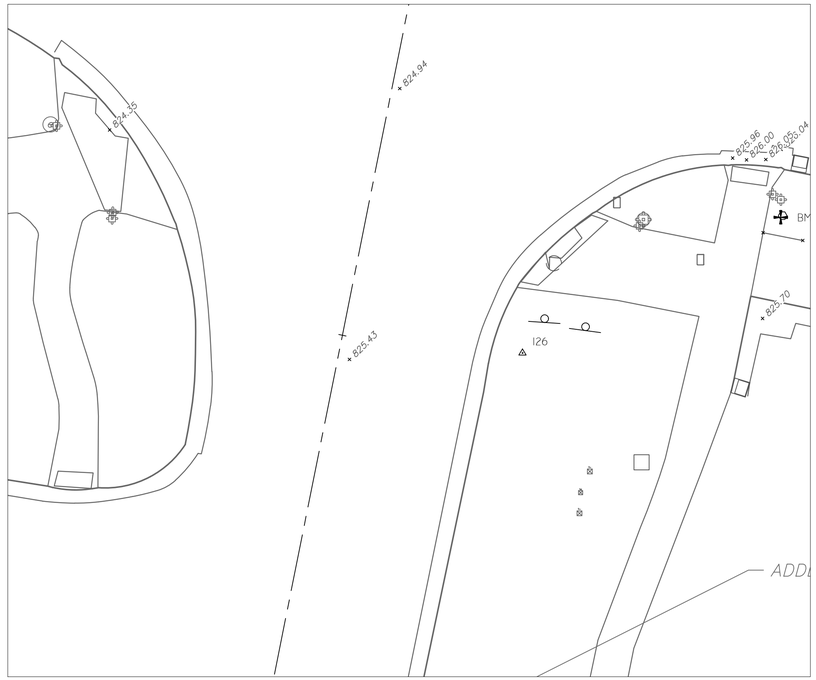
INTERSECTION GRADING

SCALE PLAN: 1" = 10'

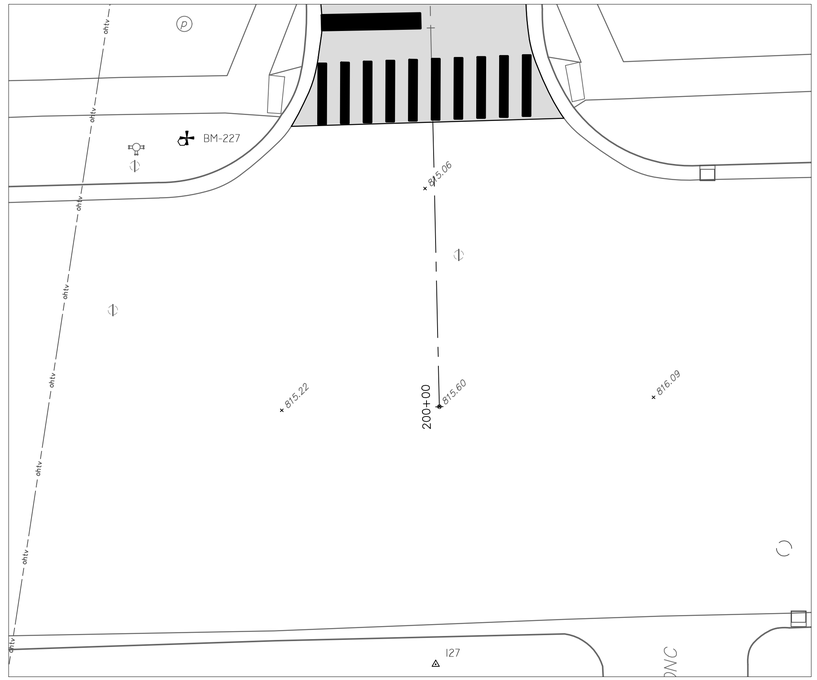
DRAWING No. **2022-031-156**

SHEET No. **156 OF 167**

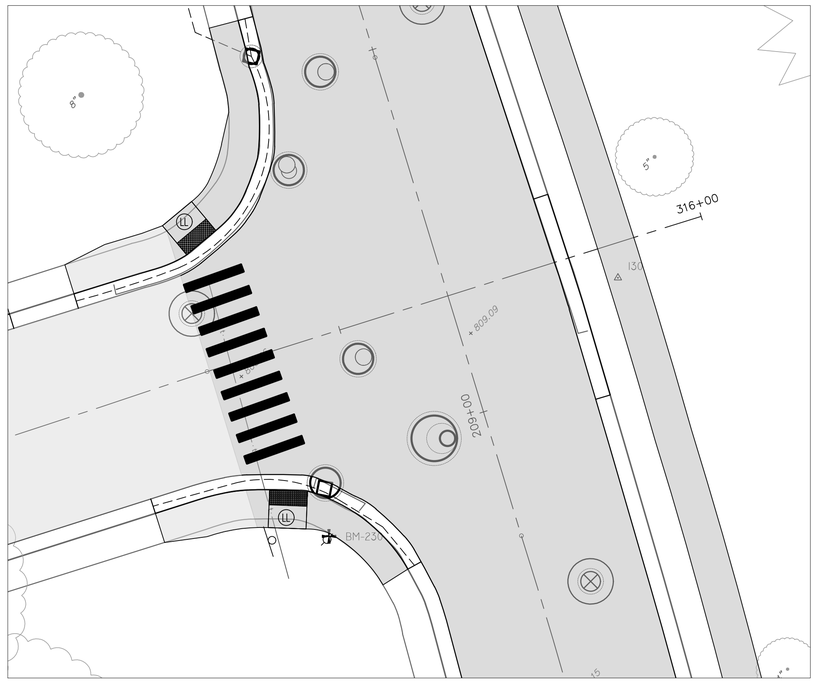
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Grading\2300505GRD.dwg Dwg Created: 4-Sep-24 -- _02 standard bw.stb -- Plot Date: 23-Jan-25



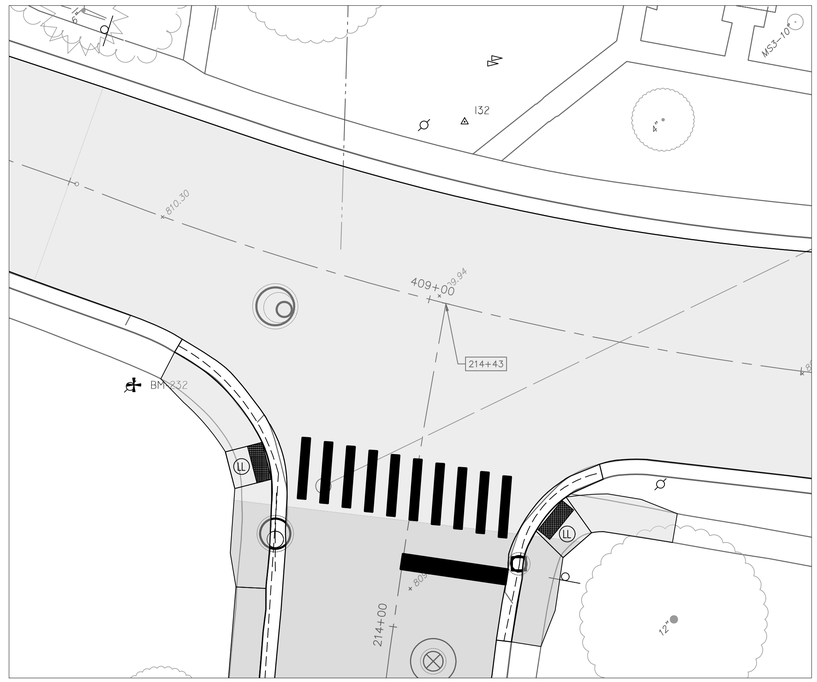
PITTSFIELD BLVD AND WASHTENAW AVE INTERSECTION



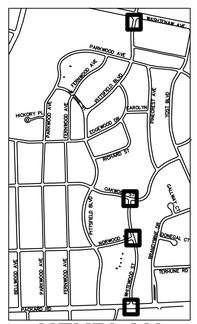
WHITEWOOD ST AND PACKARD ST INTERSECTION



WHITEWOOD ST AND NORWOOD ST INTERSECTION



WHITEWOOD ST AND OAKWOOD ST INTERSECTION



KEYPLAN

811 Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

DETAILED GRADING

INTERSECTION GRADING

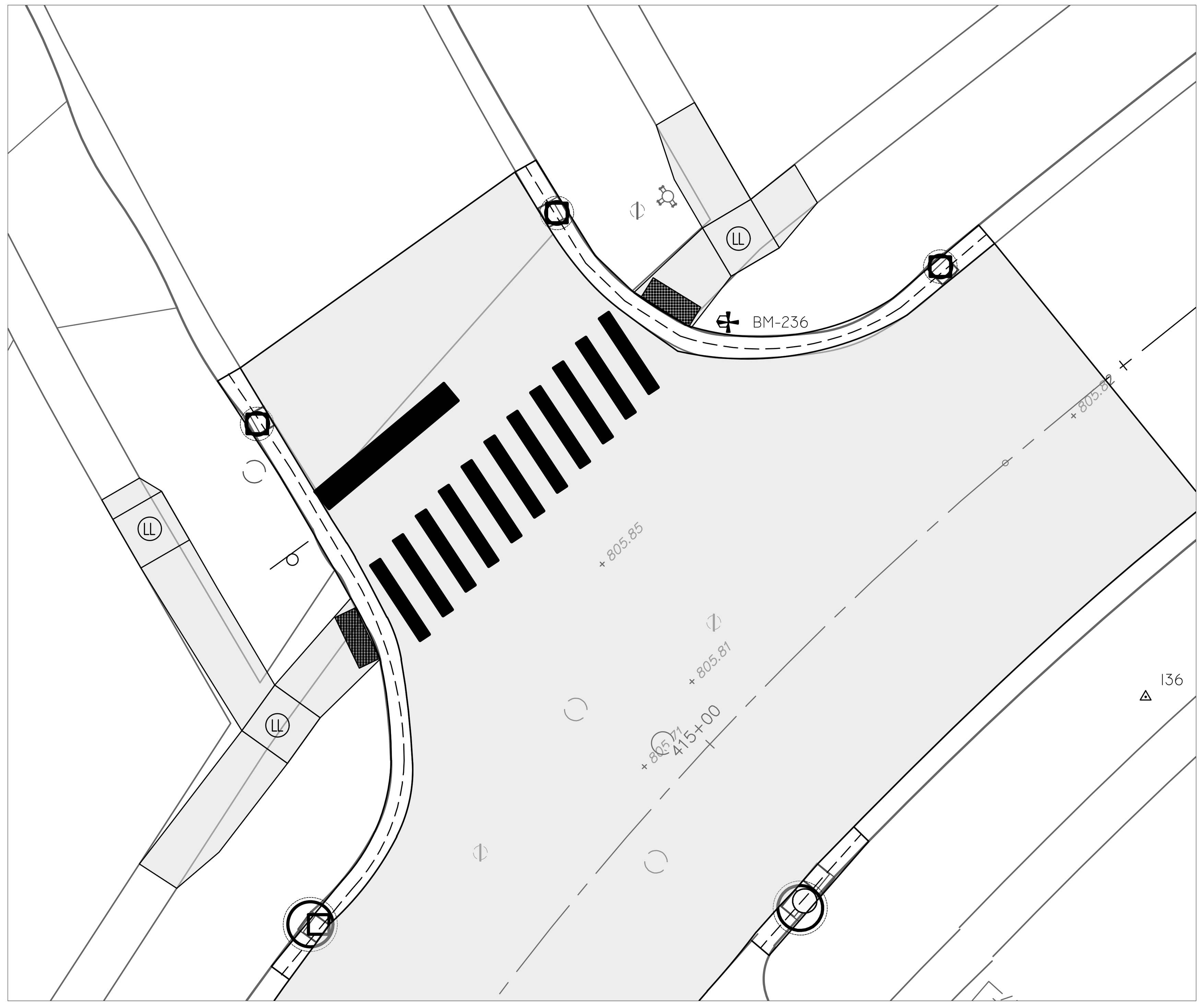
SCALE PLAN: 1" = 10'

DRAWING No. 2022-031-157

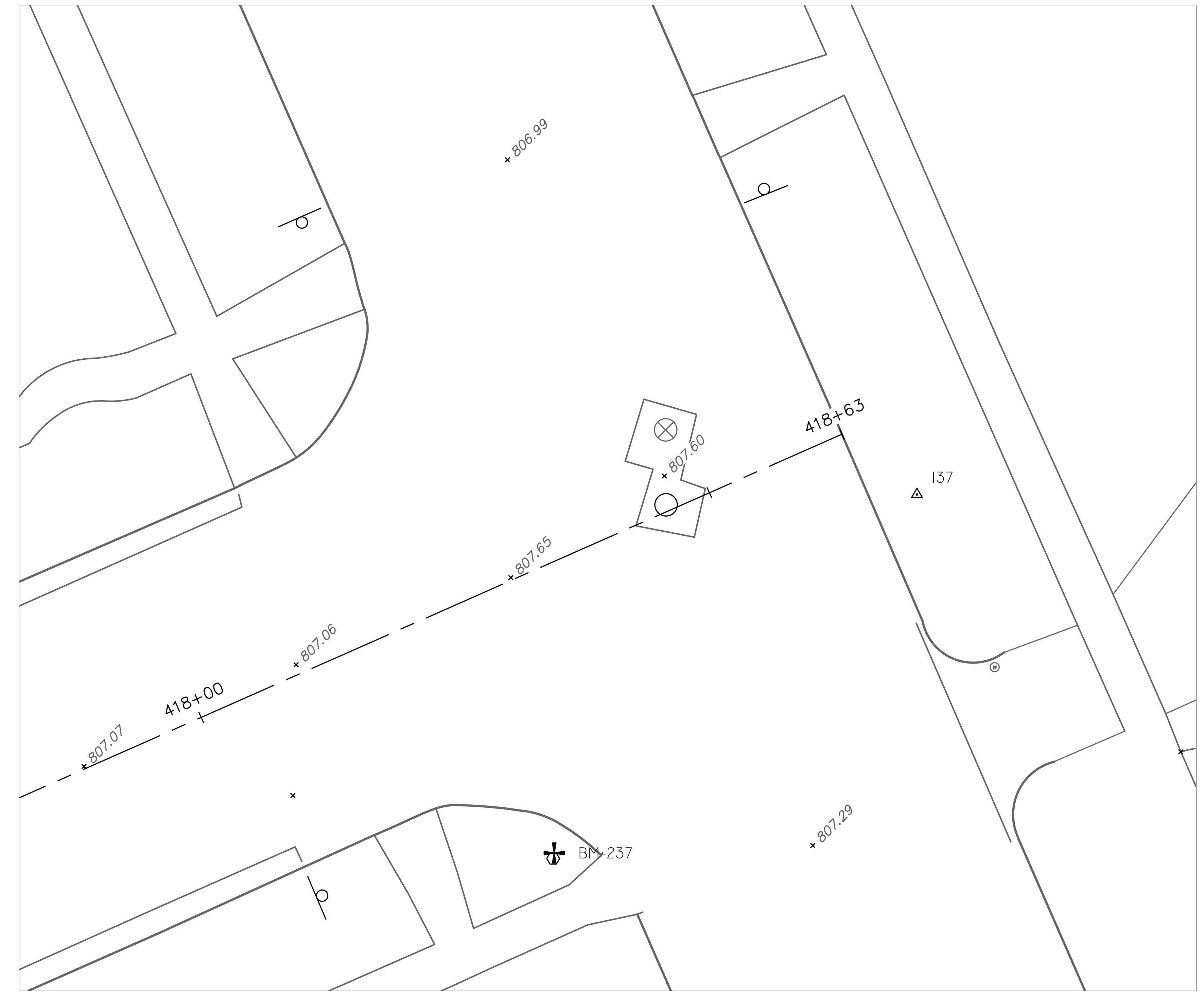
SHEET No. 157 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Grading\2300505GRD.dwg Dwg Created: 4-Sep-24 -- _o2 standard bw.stb -- Plot Date: 23-Jan-25

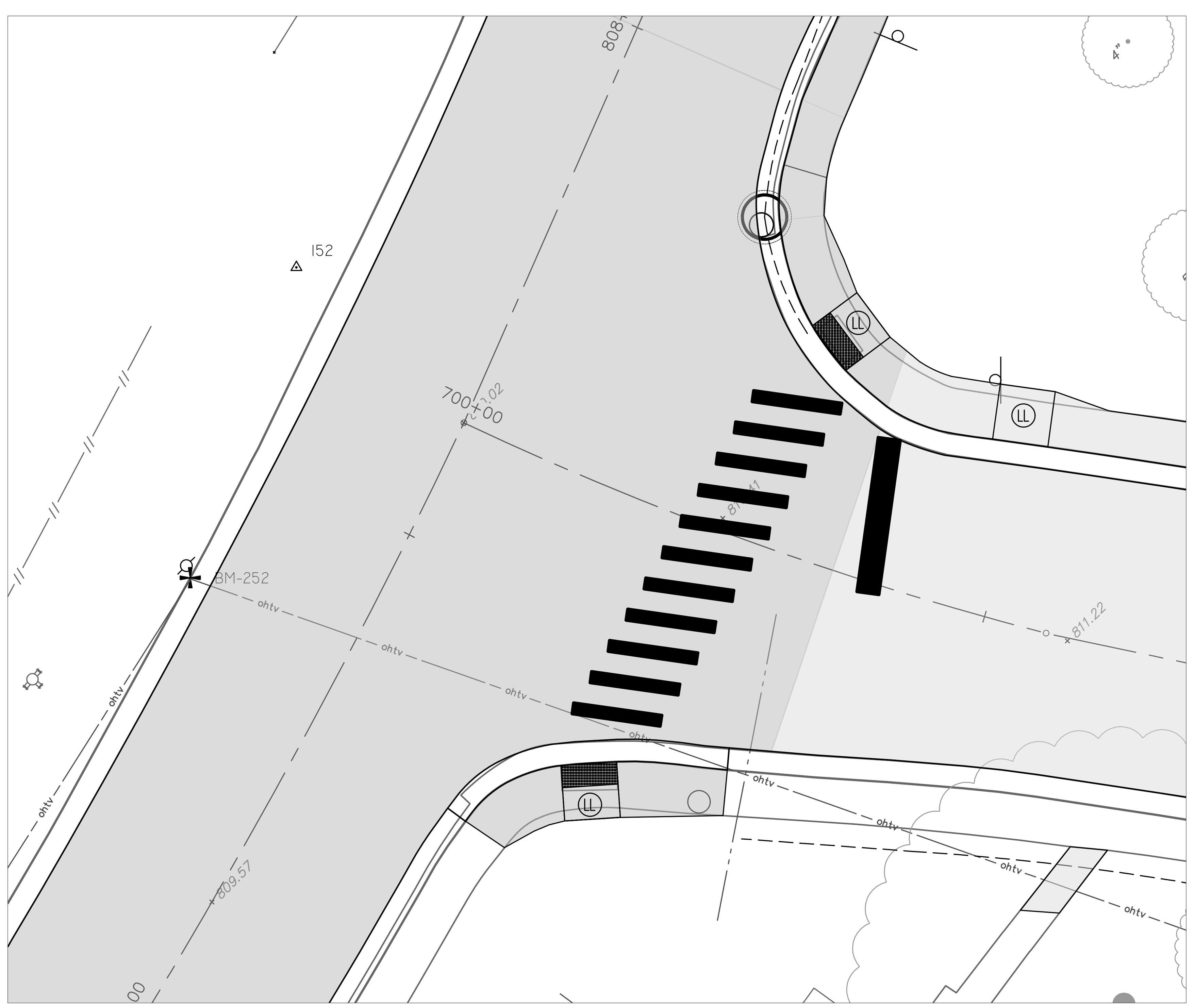
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Grading\230050GRD.dwg Dwg Created: 4-Sep-24 - _a2 standard bw.stb - Plot Date: 23-Jan-25



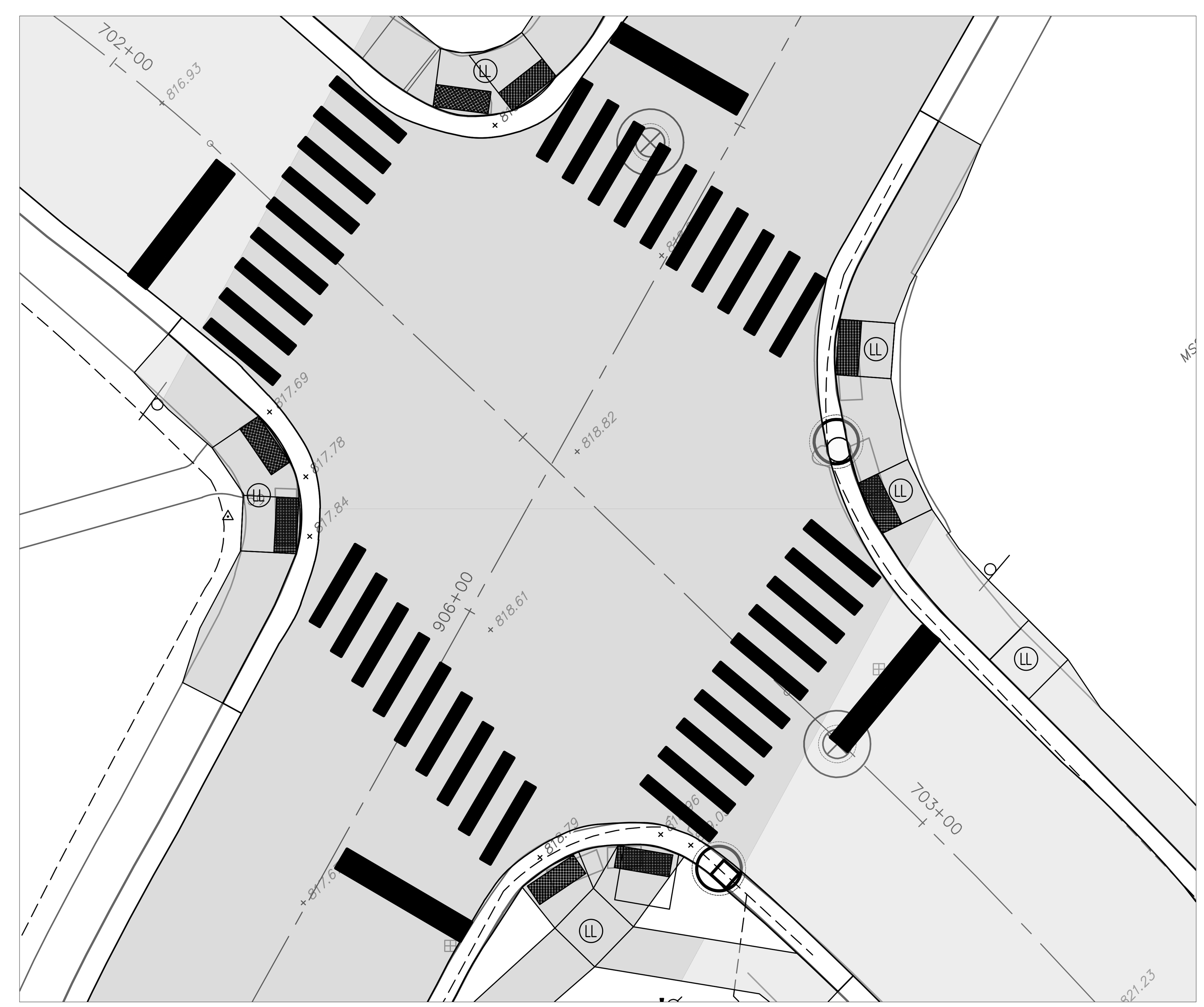
OAKWOOD ST AND PINECREST AVE INTERSECTION



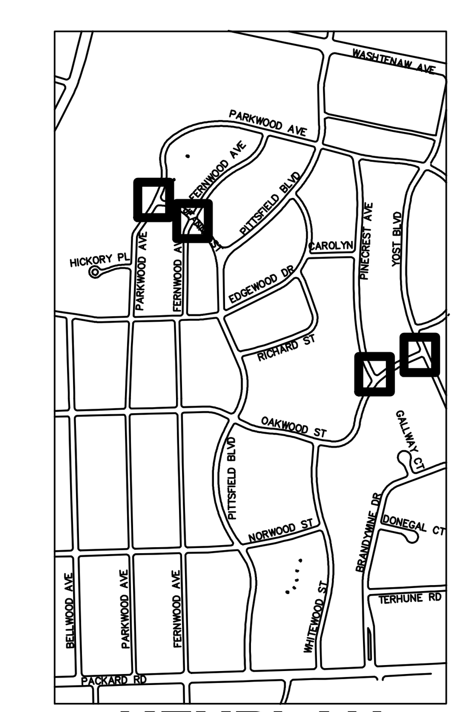
OAKWOOD ST AND YOST BLVD INTERSECTION



PARKWOOD DR AND JEANNE ST INTERSECTION



FERNWOOD AVE AND JEANNE ST INTERSECTION



KEYPLAN

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

DETAILED GRADING

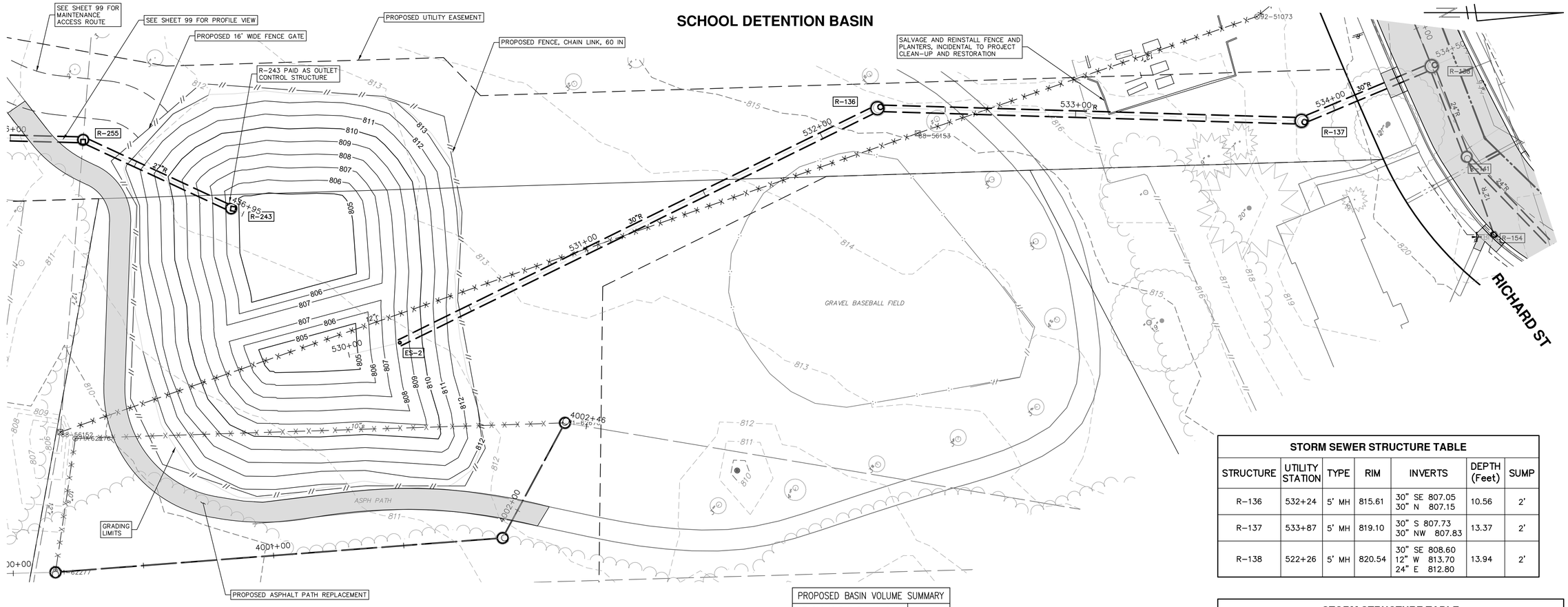
INTERSECTION GRADING

SCALE PLAN: 1" = 10'

DRAWING No. 2022-031-158

SHEET No. 158 OF 167

SCHOOL DETENTION BASIN



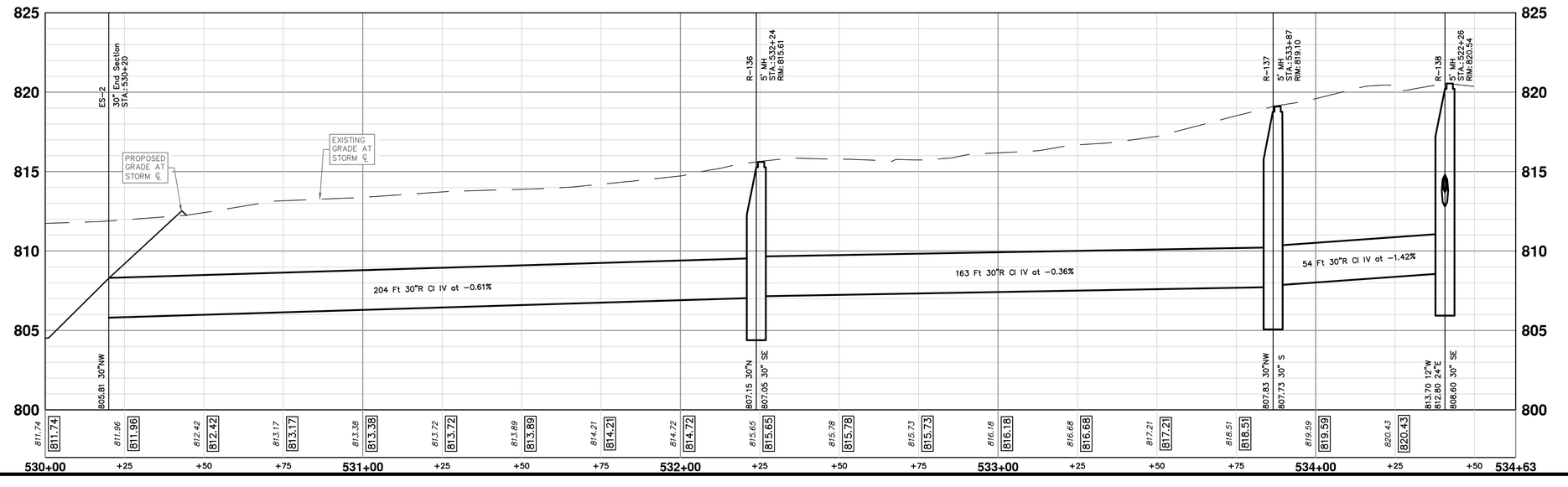
PROPOSED BASIN VOLUME SUMMARY	
CUT (PAID AS Earth Excavation)	2035 CYD
FILL (PAID AS Embankment)	81 CYD

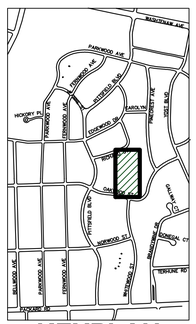
STORM SEWER STRUCTURE TABLE

STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-136	532+24	5' MH	815.61	30" SE 807.05 30" N 807.15	10.56	2'
R-137	533+87	5' MH	819.10	30" S 807.73 30" NW 807.83	13.37	2'
R-138	522+26	5' MH	820.54	30" SE 808.60 12" W 813.70 24" E 812.80	13.94	2'

STORM STRUCTURE TABLE

STRUCTURE	TYPE	RIM	INVERTS	PIPE
ES-2	30" End Section	808.68	30"NW 805.81	204 LF OF 30" @ 0.61%





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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
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PITTSFIELD VILLAGE IMPROVEMENTS

DETAILED GRADING

SCHOOL DETENTION BASIN

SCALE PLAN: 1" = 20'

DRAWING No. 2022-031-159

SHEET No. 159 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Grading\230506RD_02.dwg Dwg Created: 17-Jan-25 — _a2 standard bw.stb — Plot Date: 23-Jan-25

SOUTH DETENTION BASIN

PITTSFIELD BLVD

PACKARD RD

NORWOOD ST

WHITEWOOD ST

EXISTING STORM AND SANITARY EASEMENT

PROPOSED UTILITY EASEMENT

SEE SHEET 56 FOR PROFILE VIEW

GRADING LIMITS

EROSION CONTROL, CHECK DAM, TYP

ASPH TENNIS CT

EXISTING CONCRETE STRUCTURES CONTRACTOR TO PERFORM EXPLORATORY EXCAVATION TO DETERMINE EXTENT OF STRUCTURE.

SEE SHEET 69 FOR PROFILE VIEW

CUT AND CAP EXISTING 4" PVC DRAIN

EXISTING 42" SWIFT RUN DRAIN (WASHTENAW COUNTY WATER RESOURCES COMMISSIONER)

MAINTENANCE ACCESS ROUTE

PROPOSED BASIN VOLUME SUMMARY	
NORTH BASIN	
CUT (PAID AS Earth Excavation)	768 CYD
FILL (PAID AS Embankment)	72 CYD
SOUTH BASIN	
CUT (PAID AS Earth Excavation)	885 CYD
FILL (PAID AS Embankment)	0 CYD

KEYPLAN

Know what's **below.** **Call before you dig.** 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

DETAILED GRADING

SOUTH DETENTION BASIN

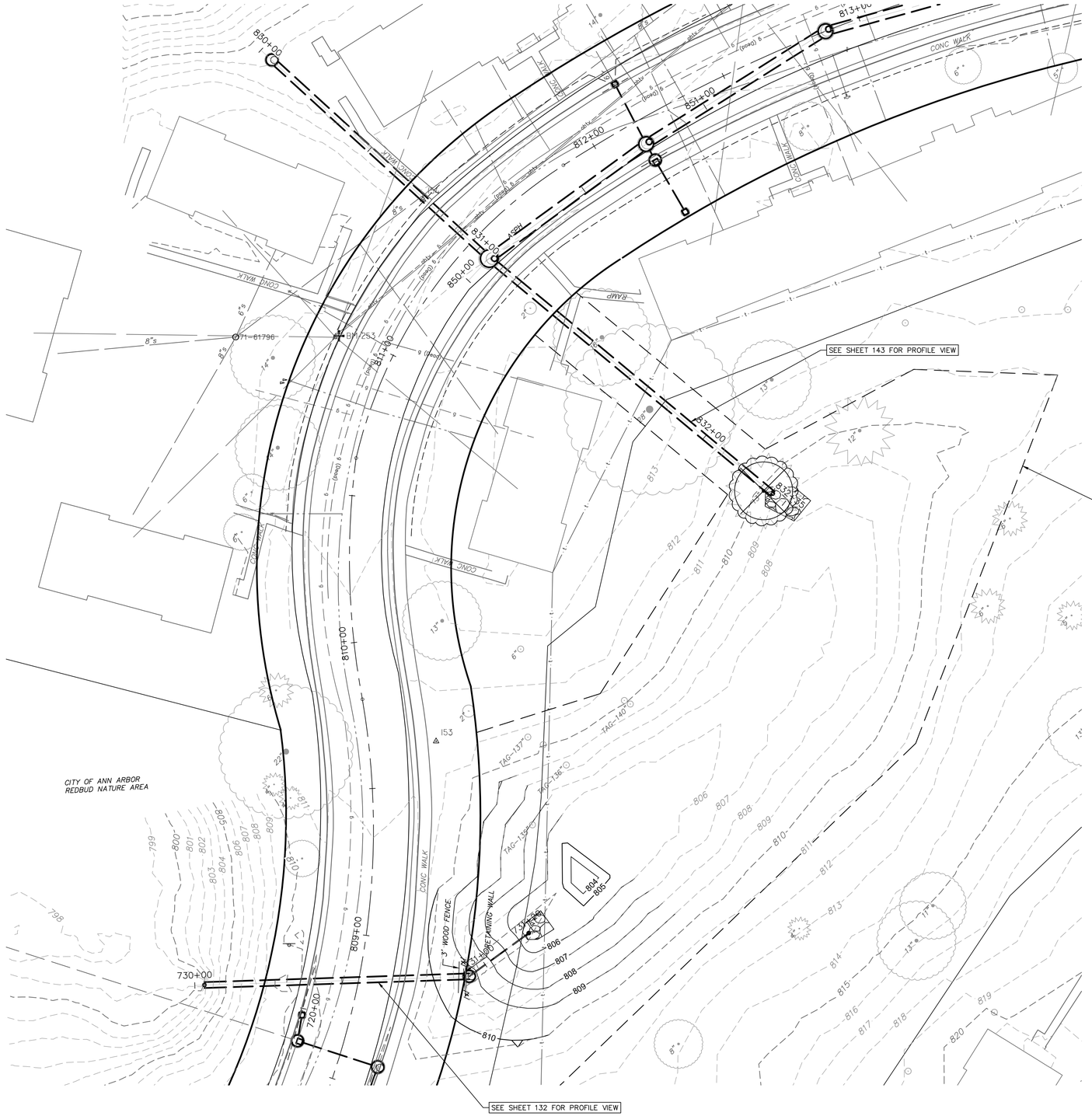
SCALE **PLAN: 1" = 30'**

DRAWING No. **2022-031-160**

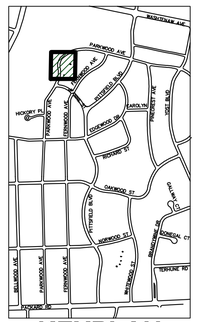
SHEET No. **160 OF 167**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Grading\230506RD_02.dwg Dwg Created: 17-Jan-25 -- 23-Jan-25 -- _a2 standard bw.stb - Plot Date: 23-Jan-25

PARKWOOD DETENTION BASIN



PROPOSED BASIN VOLUME SUMMARY	
CUT (PAID AS Earth Excavation)	9 CYD
FILL (PAID AS Embankment)	93 CYD



KEYPLAN

811 Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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PITTSFIELD VILLAGE IMPROVEMENTS

DETAILED GRADING

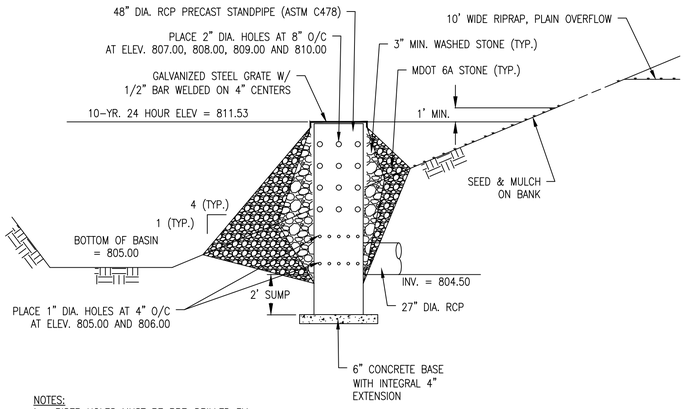
PARKWOOD DETENTION BASIN

SCALE 1" = 20'

DRAWING No. 2022-031-161

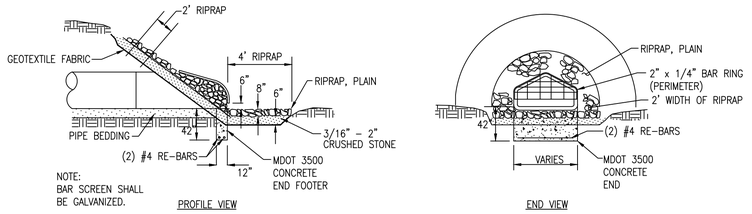
SHEET No. 161 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Grading\2300500RD_03.dwg Dwg Created: 18-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25



NOTES:
1. RISER HOLES MUST BE PRE-DRILLED BY PRE-CAST MANUFACTURER.

PITTSFIELD ELEMENTARY SCHOOL DETENTION BASIN OUTLET CONTROL STRUCTURE R-243 DETAIL



END SECTION AND BAR SCREEN DETAIL

NOTES:
1. END SECTION PAY ITEM INCLUDES BAR SCREEN
2. END SECTION INCLUDES CONCRETE FOOTER
3. GEOTEXTILE FABRIC SHALL BE PAID FOR AS "GEOTEXTILE SEPARATOR FABRIC" AND RIPRAP SHALL BE PAID FOR AS "RIPRAP, PLAIN"

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-19-2024	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : NTS

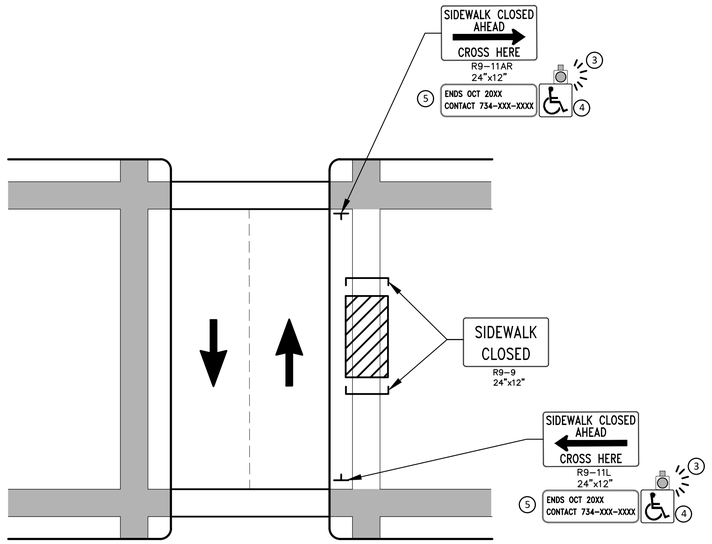
PITTSFIELD VILLAGE IMPROVEMENTS

STORMWATER DETAILS

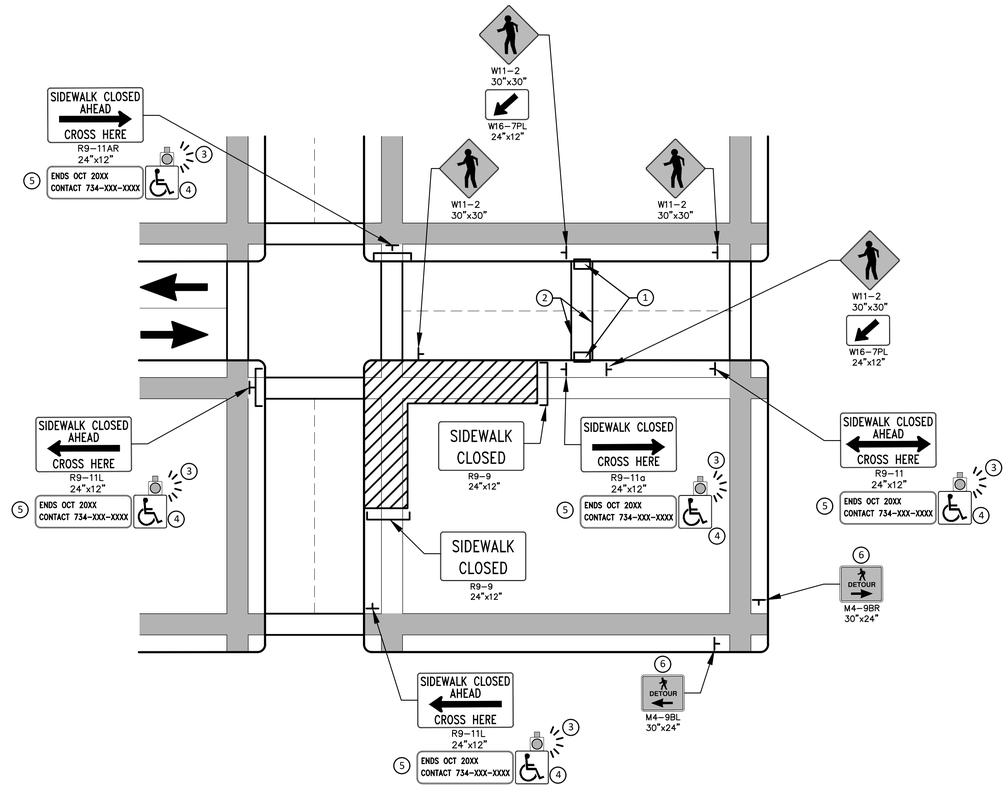
DRAWING No.
2022-031-162

SHEET No.
162 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Details\Stormwater Details.dwg Dwg Created: 17-Dec-24 - _a2 standard bw.stb - Plot Date: 23-Jan-25



PEDESTRIAN DETOUR USING OPPOSITE SIDE OF STREET



OTHER SIDE OF STREET DETOUR OR DETOUR WITH TRAILBLAZING SIGNS
(FOR CORNER SIDEWALK CLOSURE WITH OPTIONAL TEMPORARY CROSSWALK)

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, THE CONTRACTOR SHALL PROVIDE DETECTABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE AN ALTERNATE PEDESTRIAN ROUTE (APR) AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

PROVIDE A SMOOTH, CONTINUOUS, HARD SURFACE THROUGH THE LENGTH OF THE APR. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED. PROVIDE A FIRM, STABLE, AND SLIP RESISTANT TEMPORARY WALKWAY SURFACE TO COVER SHORT SEGMENTS OF ROUGH, SOFT, OR UNEVEN GROUND.

THE PEDESTRIAN TRAFFIC SIGNALS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED OR DEACTIVATED BY THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE THIS WORK WITH THE ENGINEER A MINIMUM OF 72 HOURS (NOT INCLUDING WEEKENDS & HOLIDAYS) PRIOR TO THE BEGINNING OF WORK THAT REQUIRES A SIDEWALK CLOSURE.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

WHEN THE ENGINEER DETERMINES THAT THE CONTRACTOR'S OPERATIONS OR PLACEMENT OF TRAFFIC CONTROL DEVICES HAS CAUSED A SITUATION THAT THE VISIBILITY OF IS REDUCED ENOUGH TO CREATE A HAZARD, THE TRAFFIC CONTROL DEVICES SHALL BE DELINEATED WITH FLAGS OR OTHER ENGINEER-APPROVED DEVICES AT NO ADDITIONAL COST TO THE PROJECT.

MINIMIZE DISRUPTION TO PEDESTRIANS TO THE MAXIMUM EXTENT FEASIBLE BY PROVIDING AN APR IN THE FOLLOWING ORDER OF PREFERENCE:

1. PROVIDE THE APR ON THE SAME SIDE OF THE STREET AS THE DISRUPTED ROUTE UTILIZING BYPASSES.
2. WHERE IT IS NOT FEASIBLE TO PROVIDE A SAME SIDE APR, PROVIDE A DETOUR ON THE OTHER SIDE OF THE STREET.
3. WHERE IT IS NOT FEASIBLE TO PROVIDE AN APR ON THE OTHER SIDE OF THE ROADWAY, PROVIDE AN APR DETOUR WITH TRAILBLAZING SIGNS AS SHOWN ON THE PROJECT PLANS.

SPECIFIC NOTES

(1) TEMPORARY CURB RAMPS WITH DETECTABLE WARNINGS.

(2) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(3) AN APPROVED AUDIBLE MESSAGE DEVICE OR TACTILE MESSAGE SHALL BE PROVIDED FOR SIGHT-IMPAIRED PEDESTRIANS.

(4) THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHOULD BE DISPLAYED WHEN ANY WALKWAY THROUGH A WORK ZONE HAS BEEN DETERMINED TO BE TPAR COMPLIANT. THE SYMBOL OF ACCESSIBILITY SHALL NOT BE DISPLAYED IF PERSONS WITH DISABILITIES SHOULD NOT USE THE PRIMARY TEMPORARY PEDESTRIAN DETOUR. THE REASON FOR THE NON-COMPLIANCE SHALL BE POSTED AND AN ALTERNATE ROUTE SHALL BE POSTED WHEN THE PRIMARY TEMPORARY PEDESTRIAN DETOUR IS NON-COMPLIANT TO TPAR STANDARDS.

(5) TYPICAL SIGN MESSAGE FOR A TEMPORARY PEDESTRIAN DETOUR SHALL INCLUDE INFORMATION SUCH AS THE DURATION OF THE WALKWAY RESTRICTIONS (BEGINNING AND/OR END DATES) AND A PROJECT CONTACT NUMBER FOR 24 / 7 QUESTIONS OR REPORTING HAZARDS.

(6) PEDESTRIAN DETOUR TRAILBLAZING SIGNS SHALL BE USED IF THE PEDESTRIAN DETOUR IS IN A LOCATION OTHER THAN ACROSS THE STREET FROM THE SIDEWALK CLOSURE.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MMUTCD, PART 6.
2. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES AND COMMERCIAL PROPERTIES AT ALL TIMES. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.
3. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAR IS LESS THAN 5 FEET IN WIDTH, A 5 FOOT BY 5 FOOT PASSING SPACE SHALL BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE SMOOTH AND CONTINUOUS FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.
4. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF NCHRP 350 AND THE MMUTCD SHALL BE USED.
5. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
6. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND A TPAR HAVE BEEN PROVIDED.
7. WHEN DIRECTED BY THE ENGINEER, OR STATED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN FOR REVIEW AND WRITTEN APPROVAL BY THE ENGINEER A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPARS AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. NO WORK SHALL BE ALLOWED TO BEGIN UNTIL THIS PLAN IS APPROVED BY THE ENGINEER IN WRITING.
8. PROVISION OF THE TPAR AND ALL OF ITS ELEMENTS, INCLUDING BUT NOT LIMITED TO, CREATION OF THE TEMPORARY PEDESTRIAN CONTROL PLAN, SIGNS, CHANNELIZING DEVICES, BARRICADES, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEM OF WORK "MINOR TRAFFIC CONTROL."

LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE

Know what's below. Call before you dig. 811

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

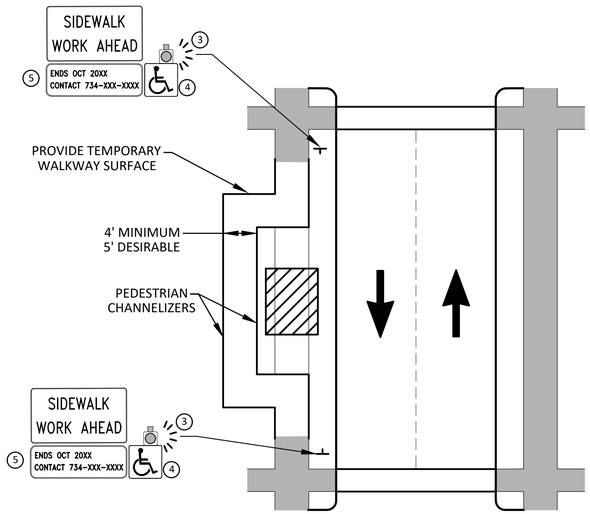
TAPR DETAILS - ALTERNATE PEDESTRIAN ROUTE (APR) DETOUR

SCALE : N.T.S.

DRAWING No. 2022-031-163

SHEET No. 163 of 167

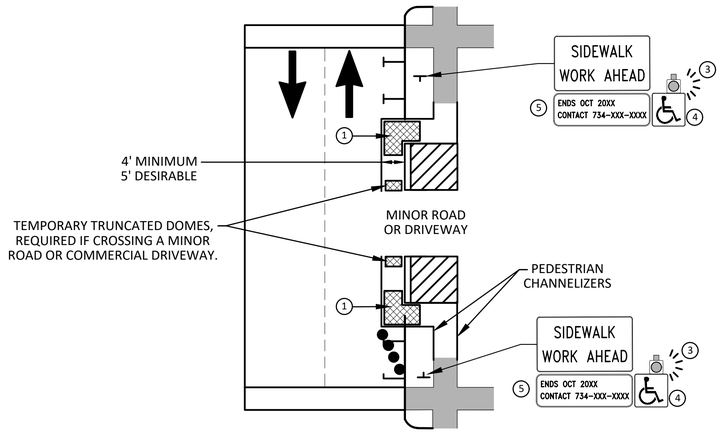
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Details\TAPR Details.dwg Dwg Created: 10-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25



BYPASS ON ADJACENT AVAILABLE RIGHT OF WAY

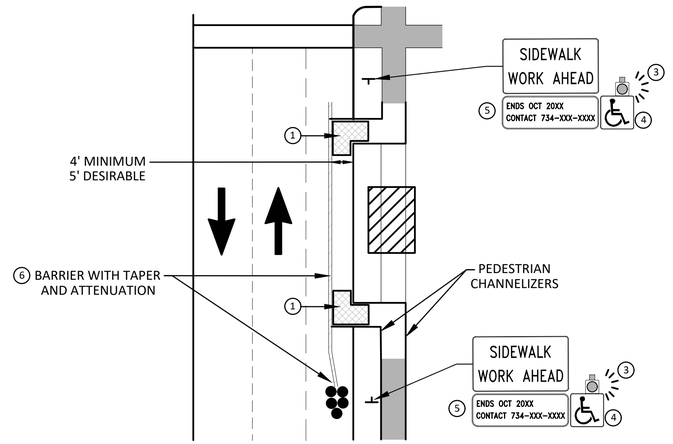
BYPASS TYPE A

NOTE: MAY ONLY BE USED ON ROADWAY WITH POSTED SPEED OF 45 MPH OR LESS.



SIDEWALK BYPASS USING PARKING OR SHOULDER ON LOW SPEED ROADWAY

BYPASS TYPE B



SIDEWALK BYPASS USING SHOULDER OR PARKING LANE ON HIGH SPEED ROADWAY

BYPASS TYPE C

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, THE CONTRACTOR SHALL PROVIDE DETECTABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

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PROVIDE A SMOOTH, CONTINUOUS, HARD SURFACE THROUGH THE LENGTH OF THE APR. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED. PROVIDE A FIRM, STABLE, AND SLIP RESISTANT TEMPORARY WALKWAY SURFACE TO COVER SHORT SEGMENTS OF ROUGH, SOFT, OR UNEVEN GROUND.

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3. WHERE IT IS NOT FEASIBLE TO PROVIDE AN APR ON THE OTHER SIDE OF THE ROADWAY, PROVIDE AN APR DETOUR WITH TRAILBLAZING SIGNS AS SHOWN ON THE PROJECT PLANS.

SPECIFIC NOTES

1. TEMPORARY CURB RAMPS WITH DETECTABLE WARNINGS.
2. 5 DEVICE TAPER 25 FEET LONG, RECOMMENDED WHEN THE CLOSED AREA WAS USED AS AN INTERMITTENT TRAFFIC LANE OR BYPASS LANE. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
3. AN APPROVED AUDIBLE MESSAGE DEVICE OR TACTILE MESSAGE SHOULD BE PROVIDED FOR SIGHT-IMPAIRED PEDESTRIANS.
4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE DISPLAYED WHEN ANY WALKWAY THROUGH A WORK ZONE HAS BEEN DETERMINED TO BE TPAR COMPLIANT. THE SYMBOL OF ACCESSIBILITY SHALL NOT BE DISPLAYED IF PERSONS WITH DISABILITIES SHOULD NOT USE THE PRIMARY TEMPORARY PEDESTRIAN DETOUR. THE REASON FOR THE NON-COMPLIANCE SHALL BE POSTED AND AN ALTERNATE ROUTE SHALL BE POSTED WHEN THE PRIMARY TEMPORARY PEDESTRIAN DETOUR IS NON-COMPLIANT TO TPAR STANDARDS.
5. TYPICAL SIGN MESSAGE FOR A TEMPORARY PEDESTRIAN DETOUR SHALL INCLUDE INFORMATION SUCH AS THE DURATION OF THE WALKWAY RESTRICTIONS (BEGINNING AND/OR END DATES) AND A PROJECT CONTACT NUMBER FOR 24 / 7 QUESTIONS OR REPORTING HAZARDS.
6. SEE MMUTCD FOR GUIDANCE ON PLACEMENT AND USAGE OF BARRIER.

LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE

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PITTSFIELD VILLAGE IMPROVEMENTS

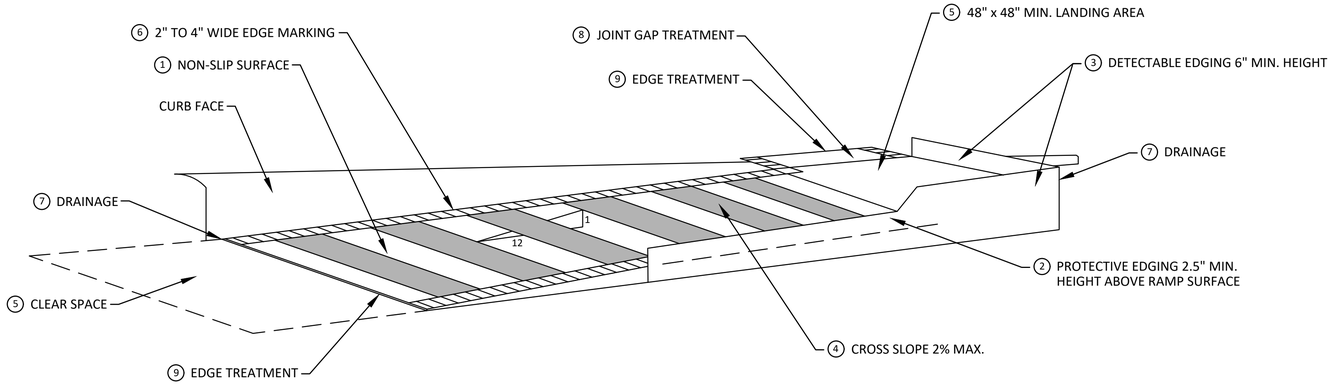
TAPR DETAILS - ALTERNATE PEDESTRIAN ROUTE (APR) BYPASS

SCALE : N.T.S.

DRAWING No. 2022-031-164

SHEET No. 164 of 167

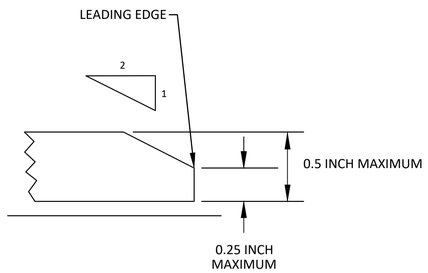
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Details\TAPR Details.dwg Dwg Created: 10-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25



TEMPORARY CURB RAMP PARALLEL TO CURB

SPECIFIC NOTES

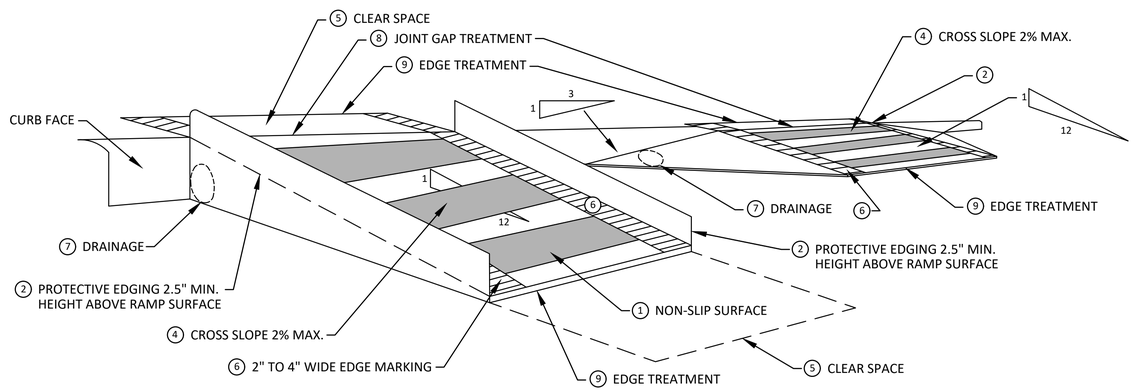
1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.
2. PROTECTIVE EDGING WITH A 2.5" MIN. HEIGHT ABOVE THE RAMP SHALL BE PLACED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3. PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING ANYTIME A HANDRAIL IS REQUIRED, AND ANYTIME THE PATH CHANGES DIRECTION. THIS INCLUDES A TURN ONTO THE RAMP FROM THE PATH. DETECTABLE EDGING MUST BEGIN A MAXIMUM OF 2.5" ABOVE THE RAMP SURFACE, AND EXTEND AT LEAST 6" ABOVE THE RAMP SURFACE. CONTRASTING COLOR SHALL BE PLACED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 2% MAX. CROSS SLOPE.
5. CLEAR SPACE OF 48" x 48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A CONTRASTING COLOR, 2" TO 4" WIDE MARKING. THE MARKING IS OPTIONAL WHERE COLOR CONTRASTING EDGING IS USED.
7. WATER FLOW IN THE GUTTER SYSTEM SHALL NOT BE IMPEDED.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHOULD BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2" HEIGHT.



9 EDGE TREATMENT

SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON



TEMPORARY CURB RAMP PERPENDICULAR TO CURB

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PITTSFIELD VILLAGE IMPROVEMENTS

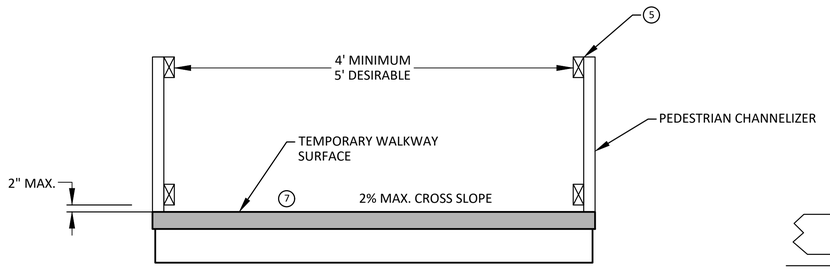
TAPR DETAILS - TPAR RAMPS

SCALE : N.T.S.

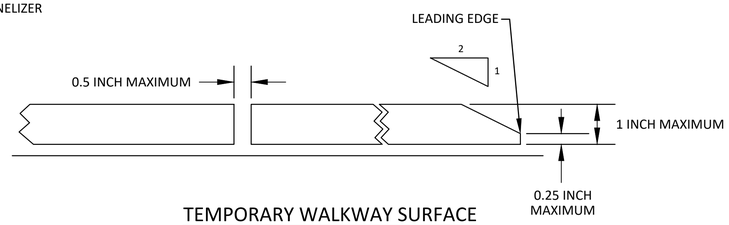
DRAWING No. 2022-031-165

SHEET No. 165 OF 167

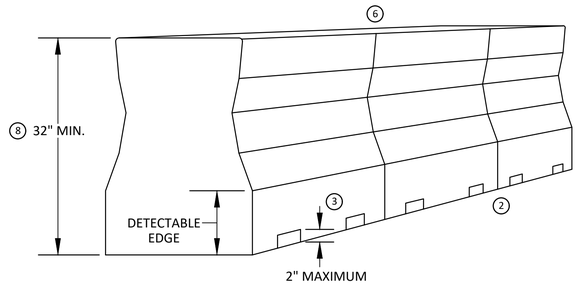
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Details\TAPR Details.dwg Dwg Created: 10-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25



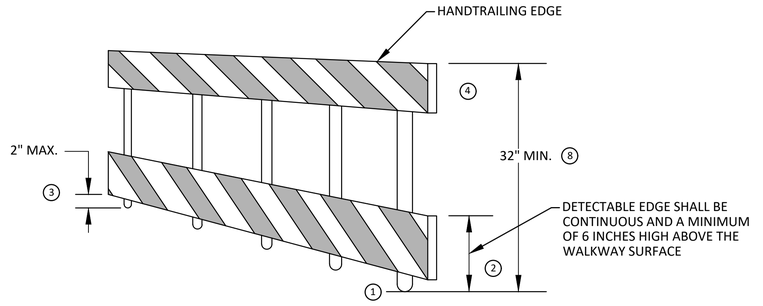
TEMPORARY PEDESTRIAN ACCESS



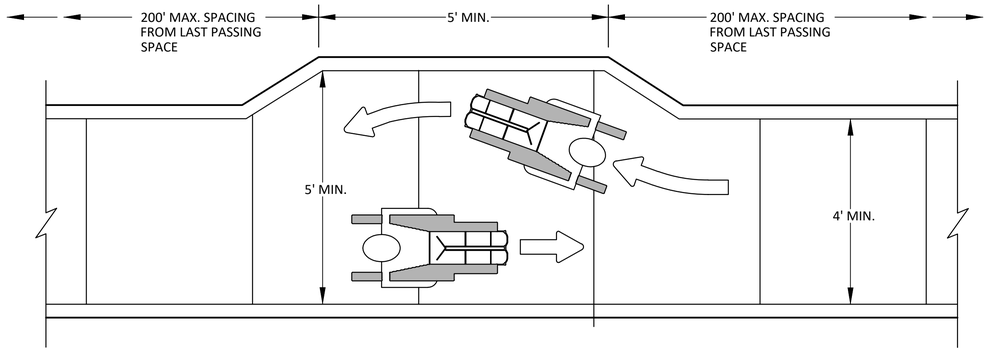
TEMPORARY WALKWAY SURFACE



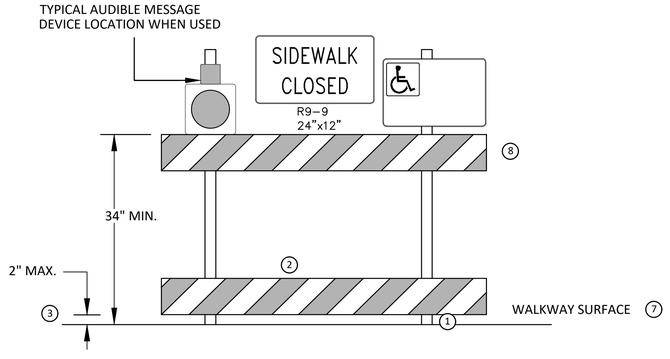
PEDESTRIAN CHANNELIZER USING A BARRIER
(MINIMUM REQUIREMENTS)



PEDESTRIAN CHANNELIZER
(MINIMUM REQUIREMENTS)



NARROW TEMPORARY PEDESTRIAN ACCESS ROUTE PASSING DETAIL



SIDEWALK BARRICADE

GENERAL NOTES

RAILINGS OR OTHER OBJECTS MAY PROTRUDE A MAXIMUM OF 4 INCHES INTO THE WALKWAY CLEAR SPACE WHEN LOCATED A MINIMUM OF 27 INCHES ABOVE THE WALKWAY SURFACE.

ANY PEDESTRIAN DEVICES USED TO PROVIDE POSITIVE PROTECTION FOR PEDESTRIANS OR WORKERS SHALL MEET NCHRP 350 CRASHWORTHY REQUIREMENTS APPROPRIATE FOR THE BARRIER'S APPLICATION.

BARRICADES SHALL BE PLACED CONTINUOUSLY ACROSS THE ENTIRE WIDTH OF THE WALKWAY SURFACE BEING CLOSED.

SPECIFIC NOTES

1. ANY TRIPPING HAZARD IN THE WALKWAY NEEDS A DETECTABLE EDGE. BALLAST SHALL BE LOCATED BEHIND OR INTERNAL TO THE DEVICE. ANY SUPPORT ON THE FRONT OF THE DEVICE SHALL NOT EXTEND INTO THE 48 INCH MINIMUM WALKWAY CLEAR SPACE AND SHALL NOT EXCEED 0.5 INCHES IN HEIGHT ABOVE THE WALKWAY SURFACE.
2. DETECTABLE EDGES SHALL BE CONTINUOUS AND A MINIMUM OF 6 INCHES IN HEIGHT ABOVE WALKWAY SURFACE AND HAVE COLOR MARKINGS CONTRASTING WITH THE WALKWAY SURFACE.
3. DEVICES SHALL NOT BLOCK WATER DRAINAGE FROM THE WALKWAY. A GAP HEIGHT OR OPENING FROM THE WALKWAY SURFACE UP TO A MAXIMUM OF 2 INCHES IS ALLOWED FOR DRAINAGE PURPOSES.
4. PROVIDE A HANDRAIL ON BOTH SIDES OF THE RAMP IF THE RAMP IS NOT EXPOSED TO VEHICLE TRAFFIC AND HAS A TOTAL RISE GREATER THAN 6 INCHES, AND A LENGTH GREATER THAN 72 INCHES.
   - ENSURE THE HANDRAIL IS 1.25 AND 1.5 INCHES WIDE AND CONFIGURED TO BE A "GRASPABLE" CROSS-SECTION.

   SEE CONSTRUCTION SUBSECTION 2.A FOR ADDITIONAL DETAILS.

   WHEN THE RAMP IS EXPOSED TO TRAFFIC, IN LIEU OF HANDRAILS, USE A PROTECTIVE EDGE 2.5 INCHES MINIMUM HEIGHT ABOVE THE RAMP SURFACE OR 1:10 FLARE ON BOTH SIDES OF THE RAMP.
5. ALL DEVICES SHALL BE FREE OF SHARP OR ROUGH EDGES, AND FASTENERS (BOLTS) SHALL BE ROUNDED TO PREVENT HARM TO HANDS, ARMS OR CLOTHING OF PEDESTRIANS.
6. ALL DEVICES USED TO CHANNELIZE PEDESTRIAN FLOW SHOULD INTERLOCK SUCH THAT GAPS DO NOT ALLOW PEDESTRIANS TO STRAY FROM THE INTENDED CHANNELIZED PATH.
7. A WALKWAY SURFACE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED.
8. LONGITUDINAL CHANNELIZING DEVICES FOR PEDESTRIANS SHALL BE 32 INCHES IN HEIGHT OR GREATER.

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

TAPR DETAILS - TPAR WALKWAY DEVICES

SCALE : N.T.S.

DRAWING No. 2022-031-166

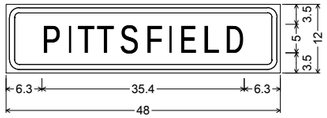
SHEET No. 166 OF 167

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Details\TAPR Details.dwg Dwg Created: 10-Dec-24 — _a2 standard bw.stb — Plot Date: 23-Jan-25

PITTSFIELD BLVD DETOUR

SIGNING LEGEND

SIGN	SIGN CODE	SIZE	NUMBER REQUIRED	AREA (SFT)	TOTAL (SFT)
END DETOUR	M4-8a	24"x18"	2	3	6
DETOUR ←	M4-9L	30"x24"	2	5	10
DETOUR ↰	M4-9kL	30"x30"	2	6.25	12.5
DETOUR →	M4-9R	30"x24"	1	5	5
DETOUR ↱	M4-9KR	30"x24"	1	6.25	6.25
DETOUR ↑	M4-9j	30"x24"	3	5	15
ROAD CLOSED	R11-2(1)	48"x30"	2	10	20
ROAD WORK AHEAD	W20-1	48"x48"	2	16	32
DETOUR AHEAD	W20-2	48"x48"	2	16	32
ROAD CLOSED AHEAD	W20-3	48"x48"	2	16	32
PITTSFIELD	SS-A	48"x12"	6	4	24
PITTSFIELD	SS-B	36"x12"	9	3	27

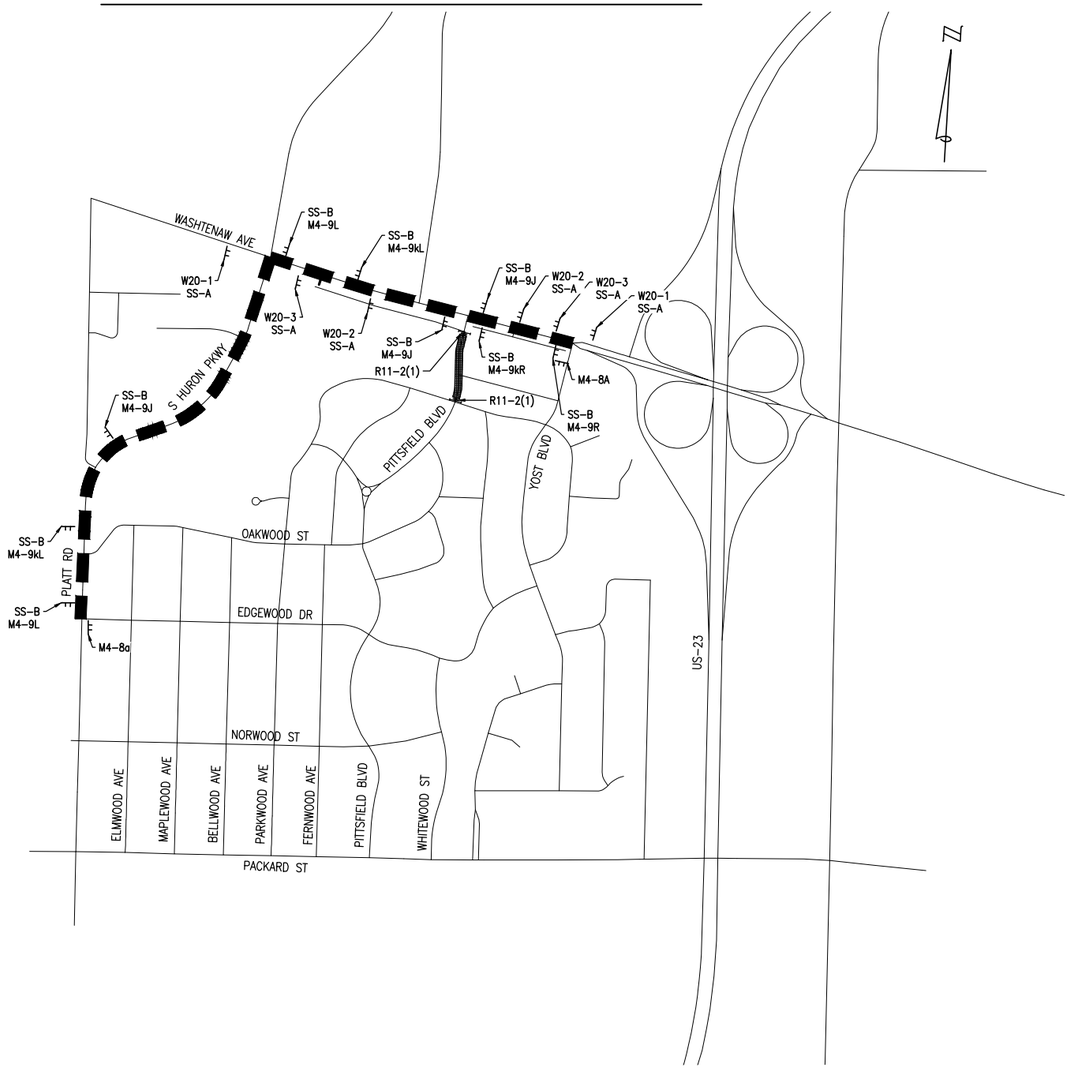


SS-A;
2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
"PITTSFIELD", D;
Table of letter and object lefts

P	I	T	T	S	F	I	E	L	D
6.3	10.8	12.6	15.9	19.9	24.4	28.4	30.4	34.4	38.3

SS-B;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
"PITTSFIELD", D;
Table of letter and object lefts

P	I	T	T	S	F	I	E	L	D
3.8	7.5	8.8	11.5	14.7	18.3	21.5	23.1	26.3	29.5



PAVEMENT REPLACEMENT ON PITTSFIELD BLVD BETWEEN WASHTENAW AVENUE AND PARKWOOD AVENUE
OVERVIEW

PITTSFIELD BLVD WILL BE CLOSED BETWEEN WASHTENAW AVENUE AND PARKWOOD AVENUE. MAINTAIN ACCESS TO BUSINESS SOUTH OF THE INTERSECTION OF WASHTENAW AVENUE AND PITTSFIELD BLVD INTERSECTION. FULL CLOSURE SOUTH OF THE BUSINESS ACCESS.

TRAFFIC NOTES

1. "D" DISTANCE BETWEEN ADVANCED SIGNING SHALL BE PER MDOT MAINTAINING TRAFFIC TYPICAL 101-GEN-SPACING-CHARTS.
2. SIGN LOCATIONS APPROXIMATELY SHOWN, EXACT LOCATION OF PROPOSED DETOUR ROUTE SIGNING SHALL BE AS APPROVED BY ENGINEER.

LEGEND

- WORK ZONE
- DETOUR ROUTE
- TEMPORARY SIGN
- BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED
- LIGHTED ARROW PANEL (CAUTION MODE)
- CMS — PORTABLE CHANGEABLE MESSAGE SIGN

OHM
ARCHITECTS ENGINEERS PLANNERS
OHM-ADVISORS.COM

ISSUED FOR:	##########
REVISION	DATE
DESCRIPTION	
###	###
###	###
###	###
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###	###

PROJECT NUMBER	PM	##
0028-23-0040	CE	##

CITY OF ANN ARBOR
PITTSFIELD VILLAGE IMPROVEMENTS

MAINTENANCE OF TRAFFIC

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DRAWINGS PATH: P:\0000_0100\0028230060_Pittsfield Village Improvements_Civil\Stage\STAGING PITTSFIELD BLVD.dwg Jan 23, 2025 - 2:29pm