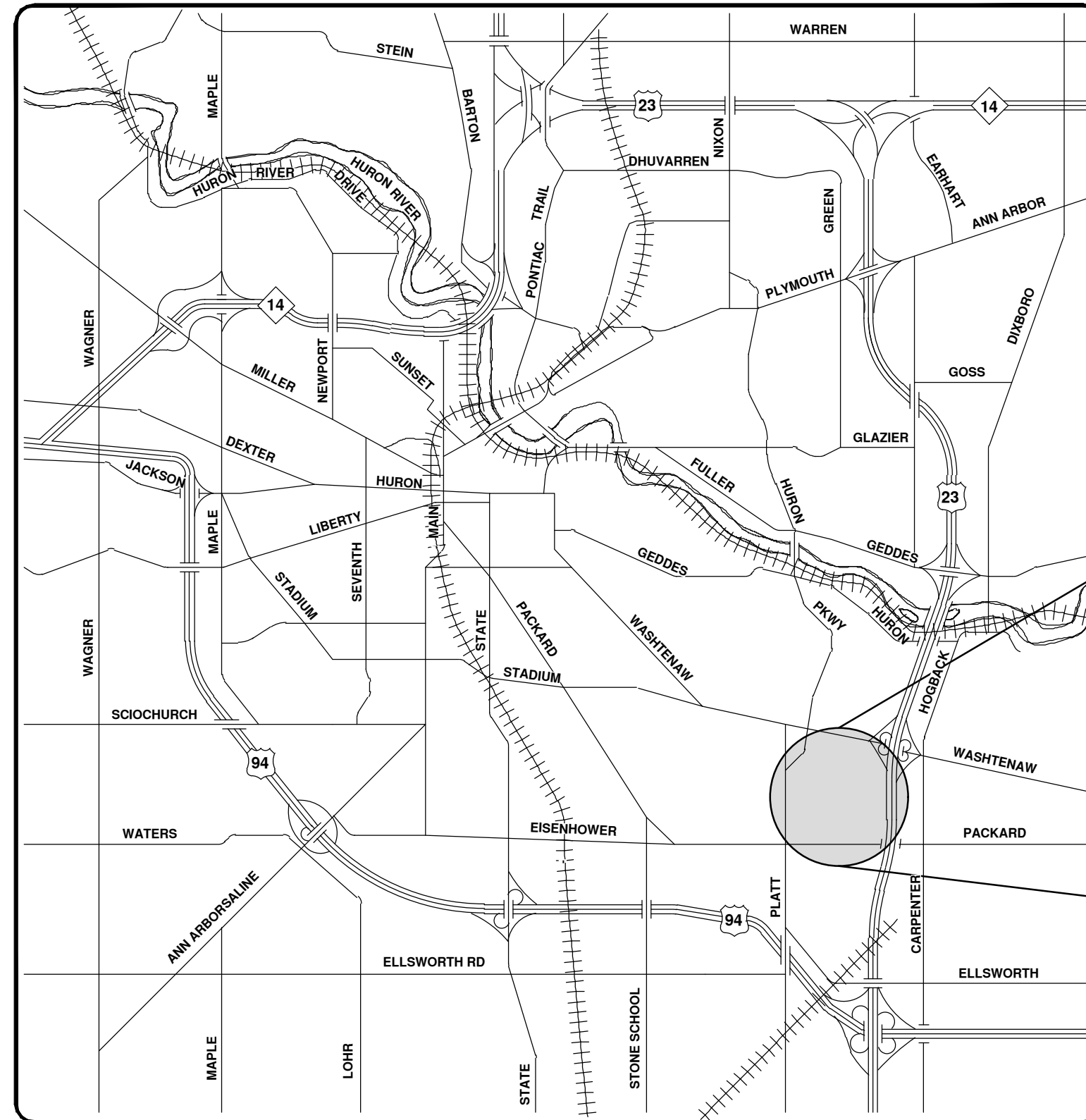
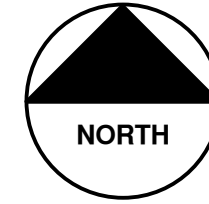




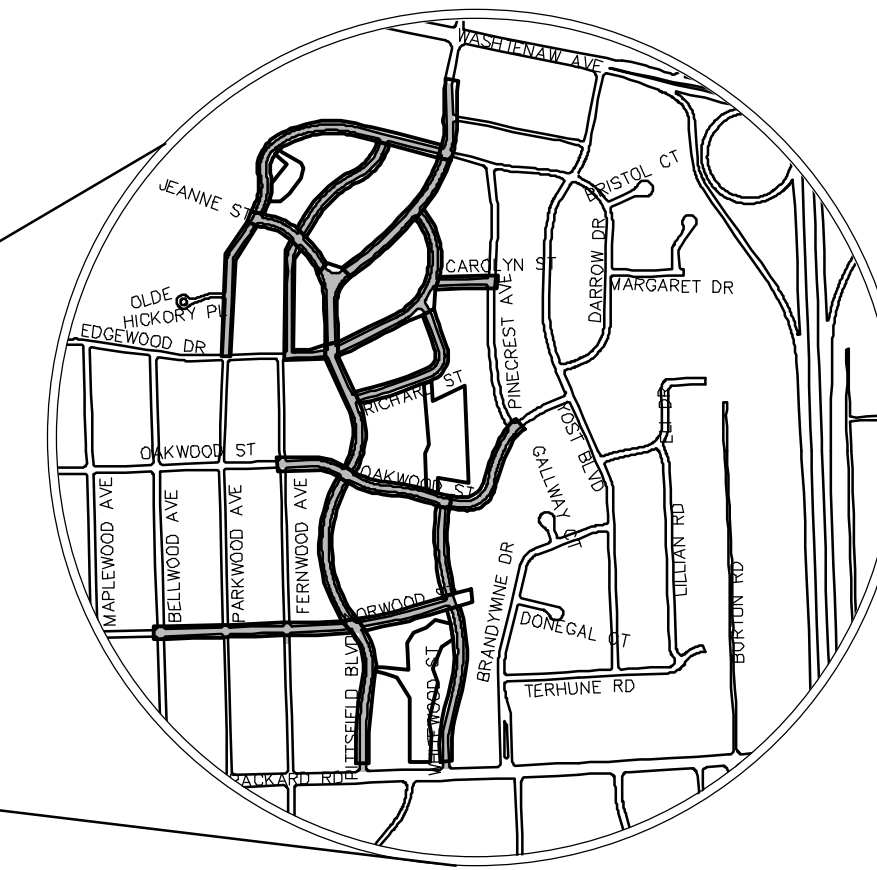
CITY OF ANN ARBOR ENGINEERING

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, ITS 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.



REV.	DATE	DESCRIPTION
00	12-19-2024	BID SET
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4410
www.a2gov.org

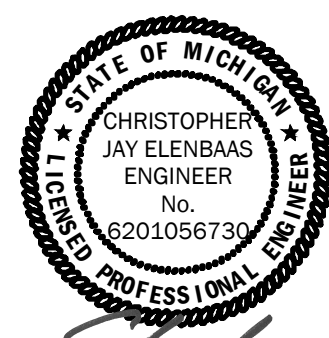


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

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

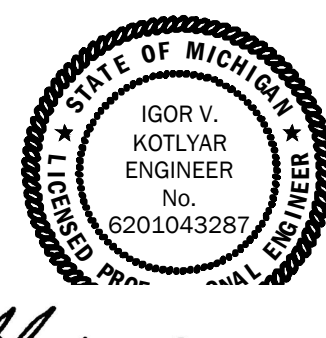
SCALE: _____
DRAWING No.: 2022-031-1
SHEET No.: 1 OF 161

PREPARED UNDER THE SUPERVISION OF


CHRISTOPHER JAY ELENBAAS, P.E.
PROJECT MANAGER

12/19/2024
DATE

CITY APPROVAL


IGOR V. KOTLYAR
ENGINEER

Igor V. Kotlyar
PROJECT MANAGER

12/19/2024
DATE

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Misc\230050LEC_NOT.dwg - _g2 standard bw.stb - Plot Date: 12/19/2024 6:37:34 AM

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 PAYER 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 SLUMPS, 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-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

Table with columns: PUBLIC UTILITIES, OWNER, CONTACT. Rows include WATER, SANITARY, STORM, FORESTRY, SIGNS SIGNALS STREET LIGHTS, PRIVATE UTILITIES, GAS, ELECTRIC, CABLE, PHONE, FIBER OPTIC, FIBER OPTIC, STREET LIGHTING.

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

Table with columns: PERMIT, ISSUING AUTHORITY. Rows include LANE CLOSURE PERMIT*, "NO PARKING" SIGNS PERMIT*, GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT*, RIGHT-OF-WAY PERMIT*, * NO COST TO CONTRACTOR

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

Table with columns: PERMIT, ISSUING AUTHORITY. Rows include EGLE JOINT PERMIT, MDOT (WASHTENAW AVENUE SIGNAGE), EGLE NPDES PERMIT, DRAIN USE PERMIT



Table with columns: NO, YES, CE, SM, DATE, DESCRIPTION, REV.

CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET ANN ARBOR, MI 48106-8647 734-794-4410 www.a3gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING PITTSFIELD VILLAGE IMPROVEMENTS ### STANDARD NOTES

SCALE: NTS DRAWING No. 2022-031-3 SHEET No. 3 OF 161

EXISTING LEGEND

EX = EXISTING		
FIRE HYDRANT	WATER MAIN	
GATE VALVE IN BOX	WATER MAIN ABANDONED	
GATE VALVE IN WELL	STORM SEWER	
STOP BOX	STORM SEWER ABANDONED	
WATER VAULT	SANITARY SEWER	
WELL	SANITARY SEWER ABANDONED	
CATCH BASIN (SQ)	GAS MAIN	
CATCH BASIN (RD)	GAS MAIN (DEAD)	
STORM MANHOLE	ELECTRICAL OVER HEAD	
NON-CURB CATCH BASIN (SQ)	ELECTRICAL UNDER GROUND	
END SECTION	ELECTRICAL DUCT BANK	
SANITARY MANHOLE	TELEPHONE OVER HEAD	
CLEAN-OUT	TELEPHONE UNDER GROUND	
POST	TELEPHONE DUCT BANK	
PEDESTRIAN SIGNAL	CABLE TV OVER HEAD	
SIGN	CABLE TV UNDER GROUND	
HAND HOLE	FIBER OPTIC	
ORNAMENTAL LIGHT	FIBER OPTIC DUCT BANK	
FLOOD LIGHT	BOUNDARY	
UNKNOWN MANHOLE	BUILDING	
TELEPHONE MANHOLE	CENTERLINE OF DITCH	
TELEPHONE RISER	CENTERLINE/CROWN OF ROAD	
GAS VALVE	CONTOUR MAJOR	
GAS VENT	CONTOUR MINOR	
GAS BOX	EDGE OF WATER	
ELECTRICAL RISER	FLOODPLAIN	
TRANSFORMER	FENCE	
UTILITY POLE	GRAVEL	
LAMP POLE	GUARDRAIL	
GUY ANCHOR	STONE WALL	
GUY POLE	R.O.W.	
MONITORING WELL	TREELINE	
MAILBOX	WETLAND	
SOIL BORING	EDGE OF BRUSH	
TRAVERSE POINT	HEDGE	
BENCH MARK	TREE (DECIDUOUS)	
IRON PIPE	TREE (CONIFEROUS)	
MON BOX	SHRUB (DECIDUOUS)	
	STUMP	
	TREE TO REMAIN & PROTECT (DECIDUOUS) CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10	
	TREE TO REMAIN & PROTECT (CONIFEROUS) CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10	

PROPOSED LEGEND

PROP = PROPOSED		
HYDRANT (PLAN)	WATER MAIN	
WATER GATE WELL	STORM SEWER	
REDUCER	SANITARY SEWER	
WATER GATE VALVE	FIBER OPTIC	
WATER STOP BOX	ELECTRICAL	
WATER VAULT	CENTERLINE OF DITCH	
INLET	CENTERLINE OF ROAD	
DOUBLE INLET	FENCE	
INLET JUNCTION CHAMBER	GRAVEL	
ROUND CATCH BASIN	SILT FENCE	
STORM MANHOLE	PROTECTIVE FENCE	
DRAIN ARROW	GUARDRAIL	
FLARED END SECTION	LOT/JUNIT	
SANITARY MANHOLE	CURB	
CLEAN-OUT	TEMPORARY GRADING PERMIT	
BARREL	CONTOUR MAJOR	
SIGN	CONTOUR MINOR	
PUSH BUTTON	WATER EASEMENT	
HAND HOLE	STORM EASEMENT	
	SANITARY EASEMENT	
	R.O.W.	
	LIMITS OF CONSTRUCTION	
	LIMIT OF GRADING	
	STONE WALL	
	DETECTABLE WARNING	
	ASPHALT	
	CONCRETE	
	SIDEWALK	
	TREE (DECIDUOUS)	
	TREE (CONIFEROUS)	
	TREE TO BE REMOVED (DECIDUOUS)	
	TREE TO BE REMOVED (CONIFEROUS)	
	STUMP TO BE REMOVED	



REV.	DATE	DESCRIPTION
00	12-19-2024	BID SET
01		SM
		CE
		CHECKED

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734-794-4410
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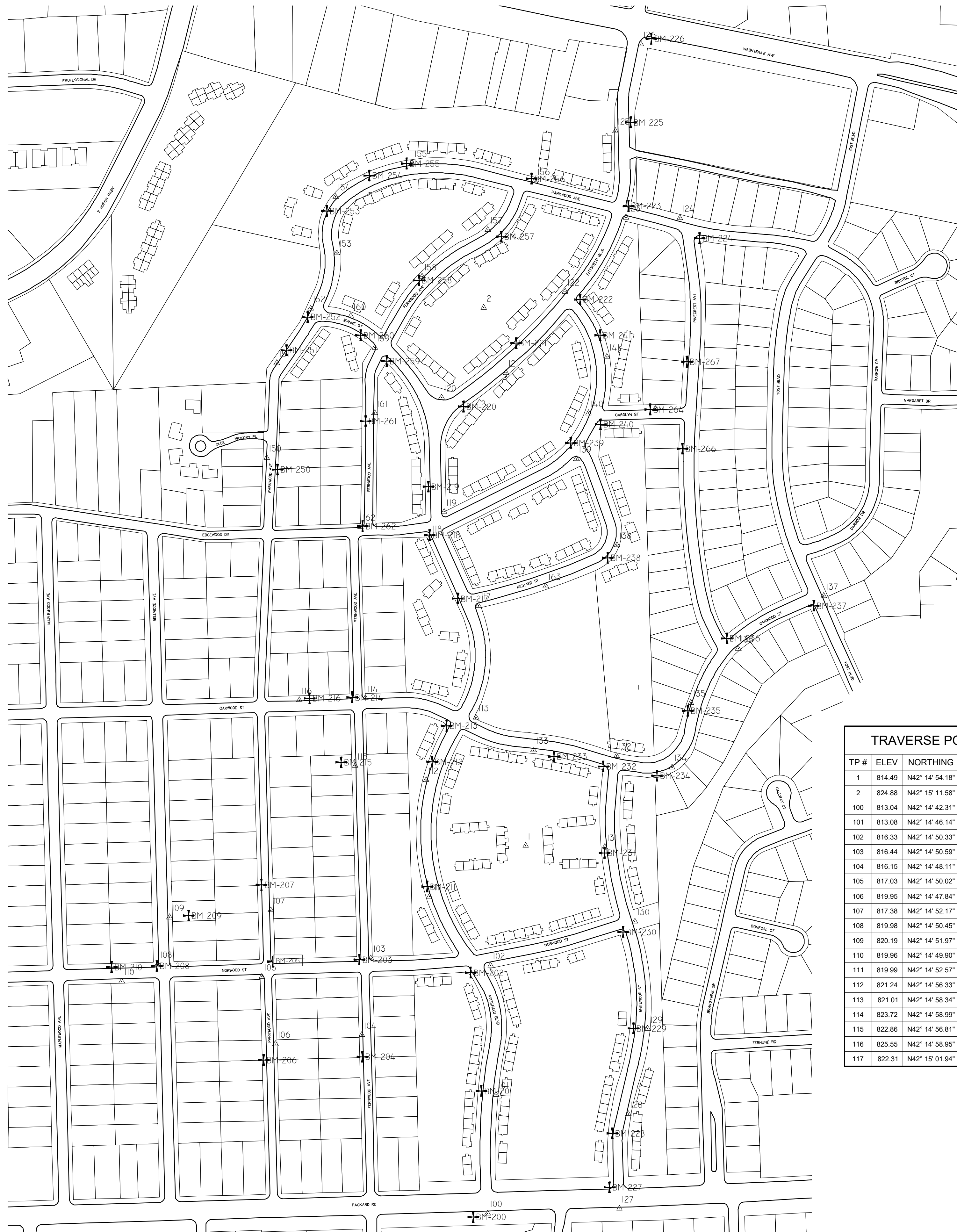


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS

LEGEND

SCALE : NTS
DRAWING No. 2022-031-4
SHEET No. 4 OF 161

P:\0000_0100\0028230050_Pittsfield_Village_Improvements_Drawings\Civil\Misc\230050LEG_NOT.dwg - _g2 standard bw.stb - Plot Date: 12/18/2024 1:37:10 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 SPINDLE 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 UTIL POLE W/SIDE OF PITTSFIELD INFRONT OF HSE#2806
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#2848 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 PITTSFIELD 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 & WASHTEAW
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 N/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 N/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#442
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	825.69	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' 03.87"	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 W/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 W/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 W/SIDE AT T' INTERSECTION OF PARKWOOD & FERNWOOD
257	820.73	N42° 15' 13.86"	W83° 41' 31.87"	SET COTTON SPINDLE IN 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 LOCATED 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

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS

SCALE: NTS
DRAWING NO.: 2022-031-5

SHEET No. 5 OF 161



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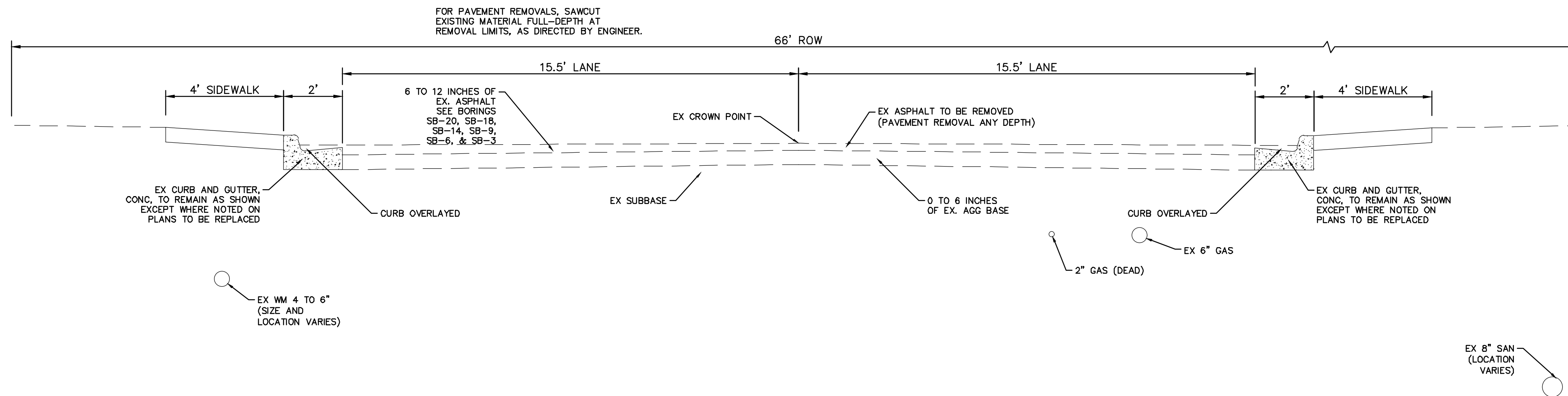


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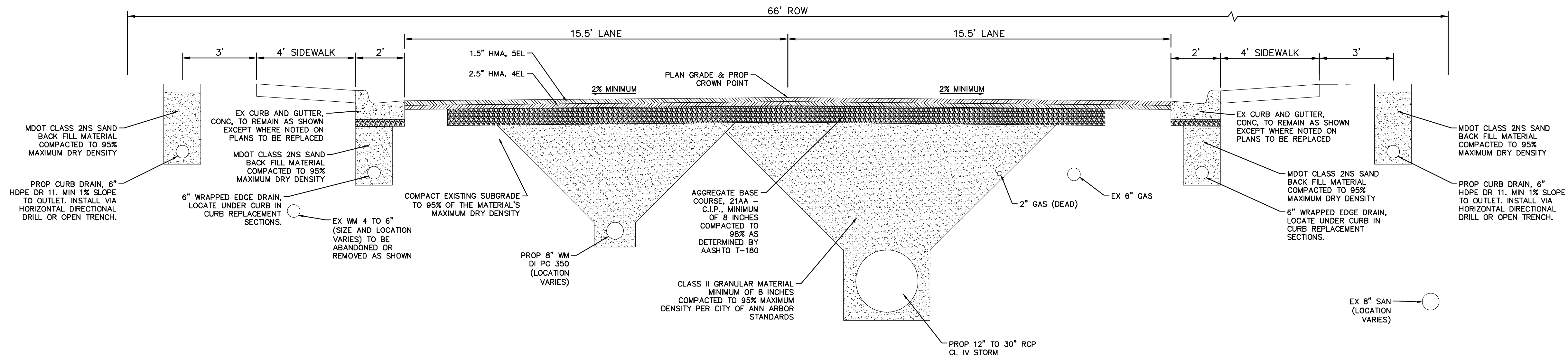
NOTES:

- 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 contractor's discretion.
- 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

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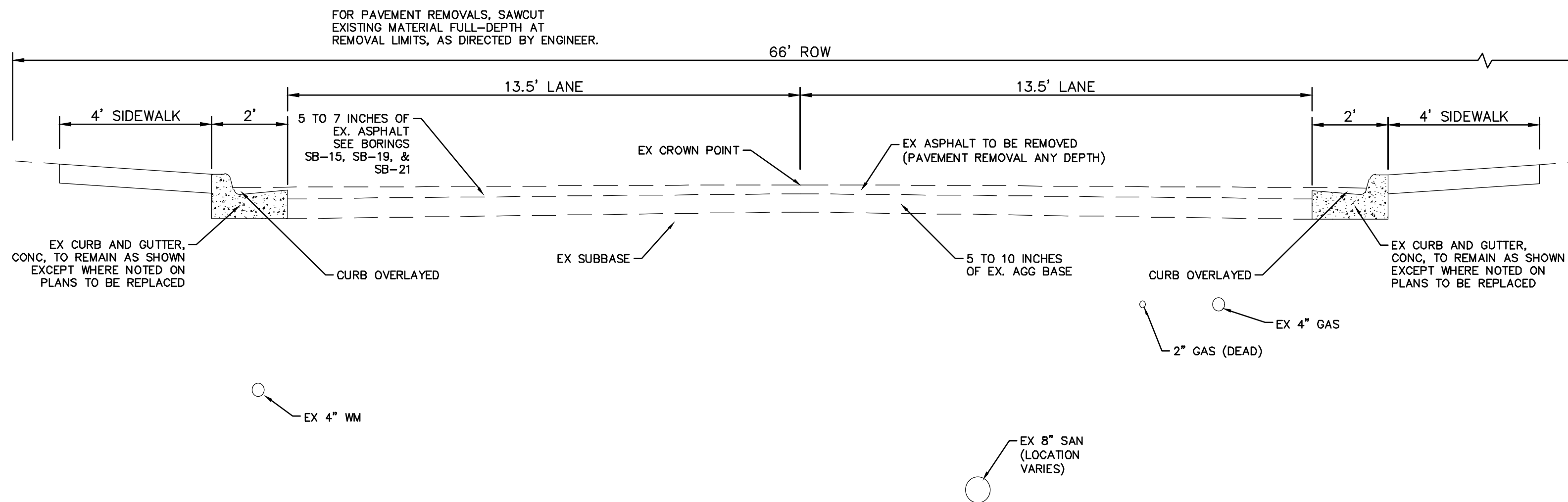
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
PITTSFIELD BOULEVARD

SCALE: NTS
DRAWING No. 2022-031-6

SHEET No.

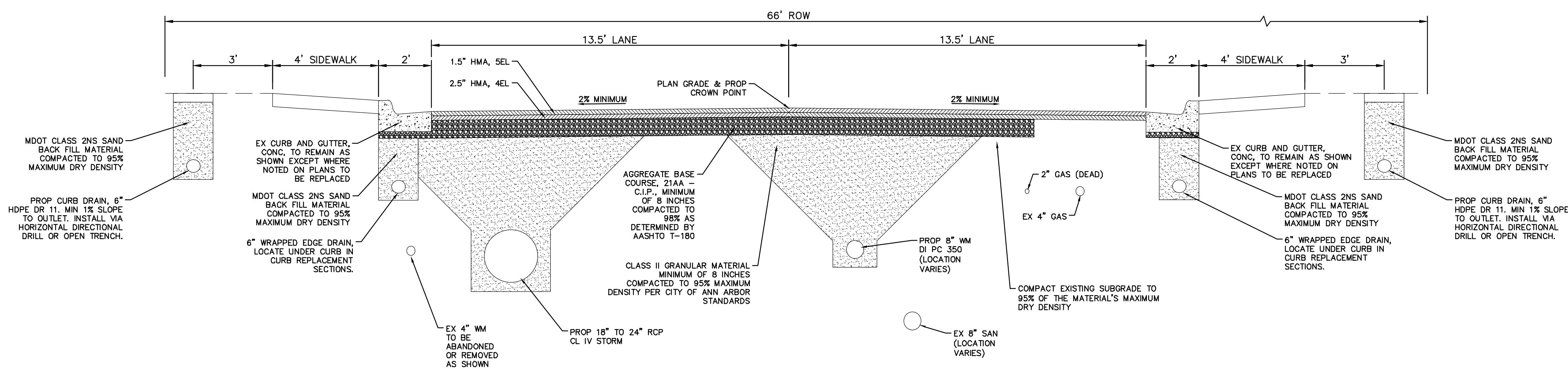
NOTES:

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 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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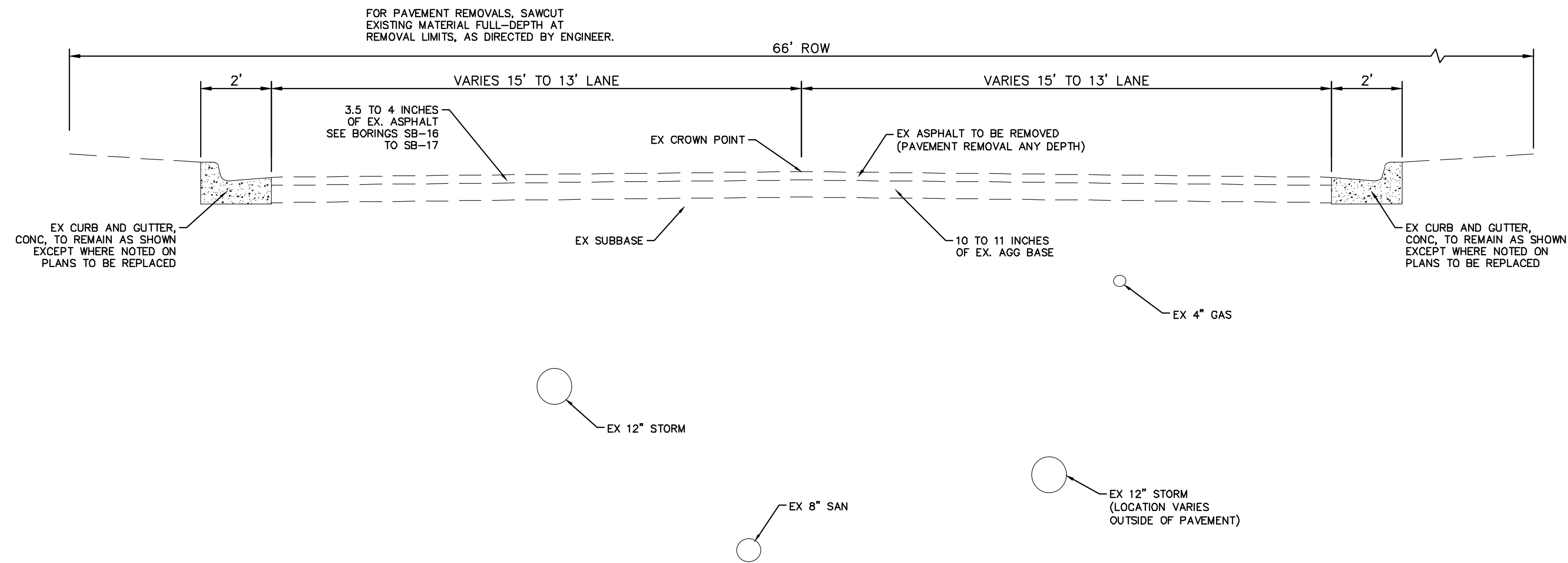
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
WHITEWOOD STREET

SCALE: NTS
DRAWING No. 2022-031-7

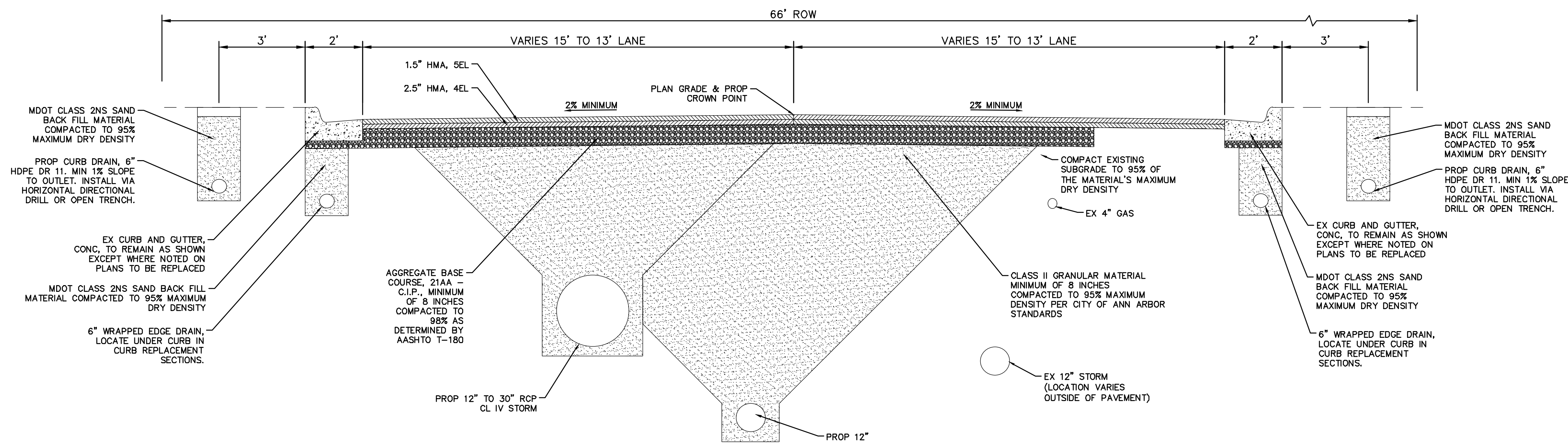
SHEET No.

NOTES:

- 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.
- 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

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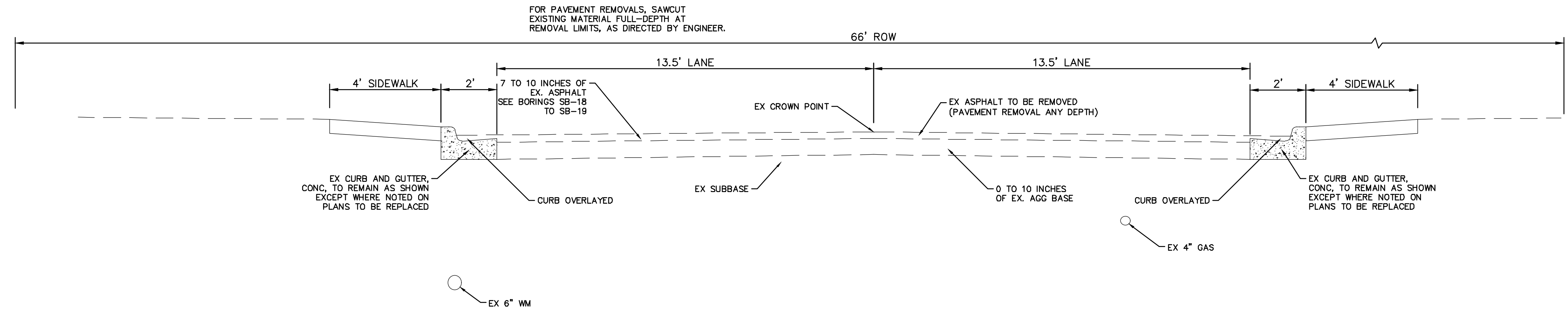


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
NORWOOD STREET

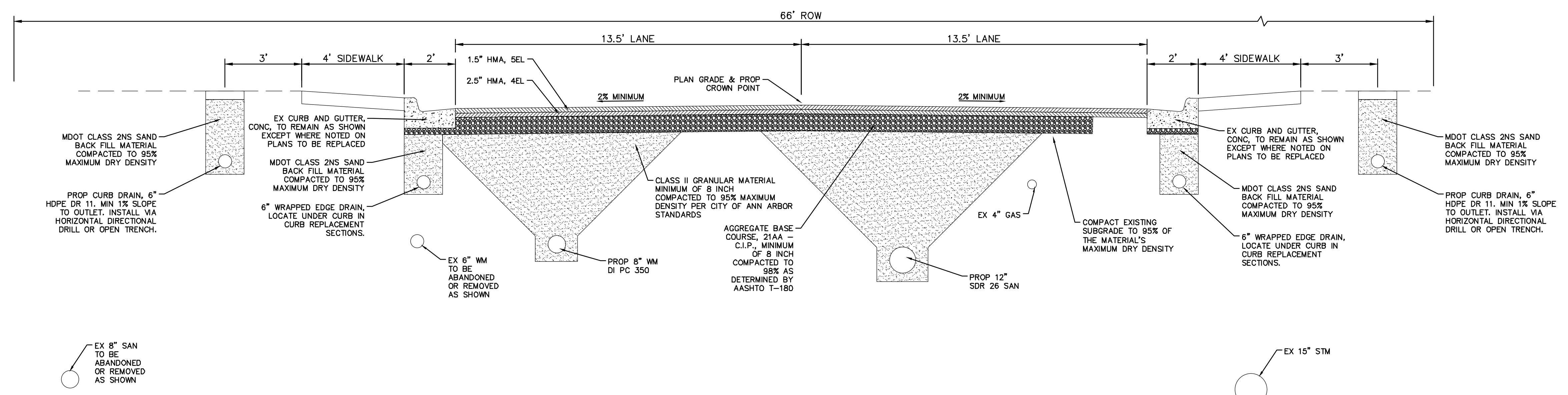
SCALE: NTS
DRAWING No. 2022-031-8

NOTES:

- 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 contractor's discretion.
- 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 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		

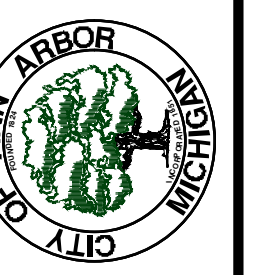
NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

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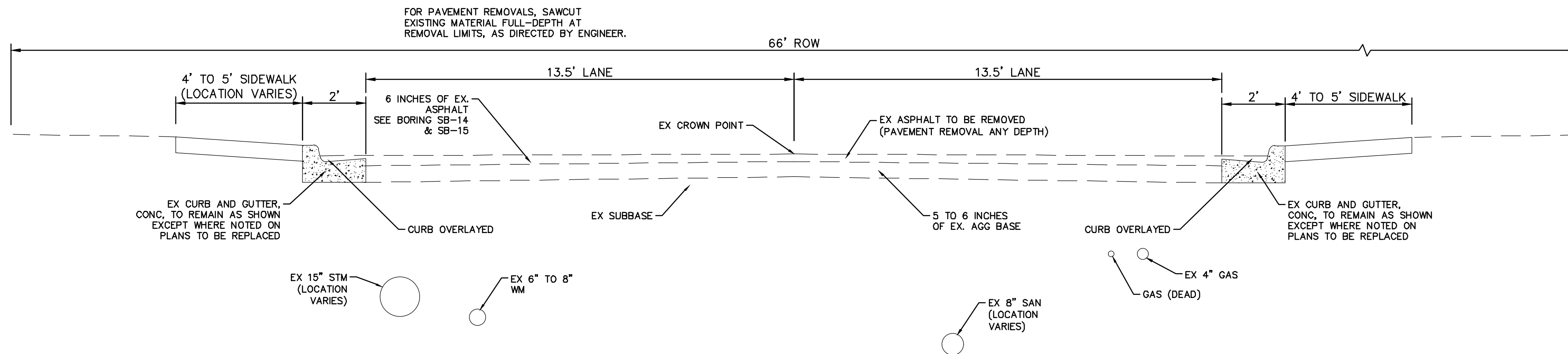


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
NORWOOD STREET

SCALE: NTS
DRAWING No. 2022-031-9
SHEET No.

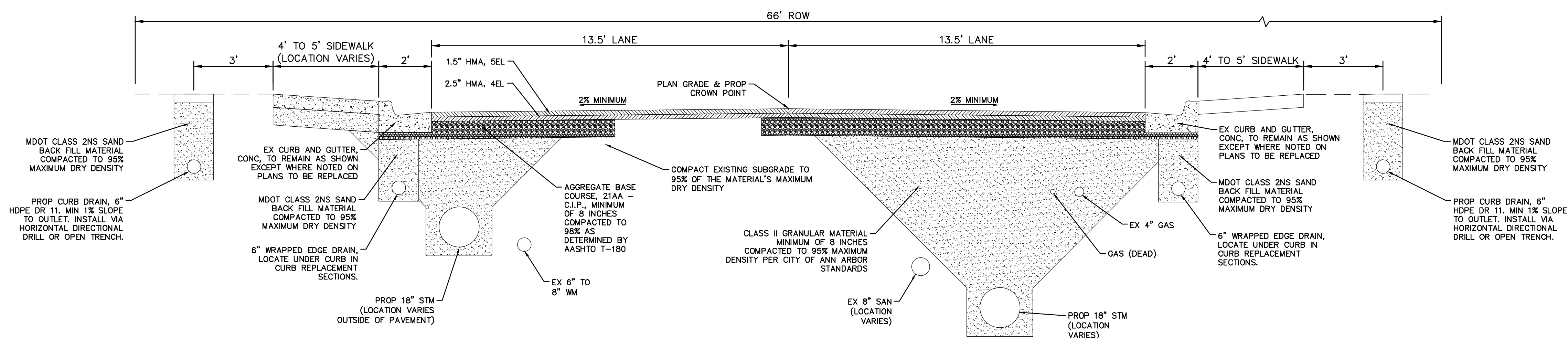
NOTES:

- 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.
- 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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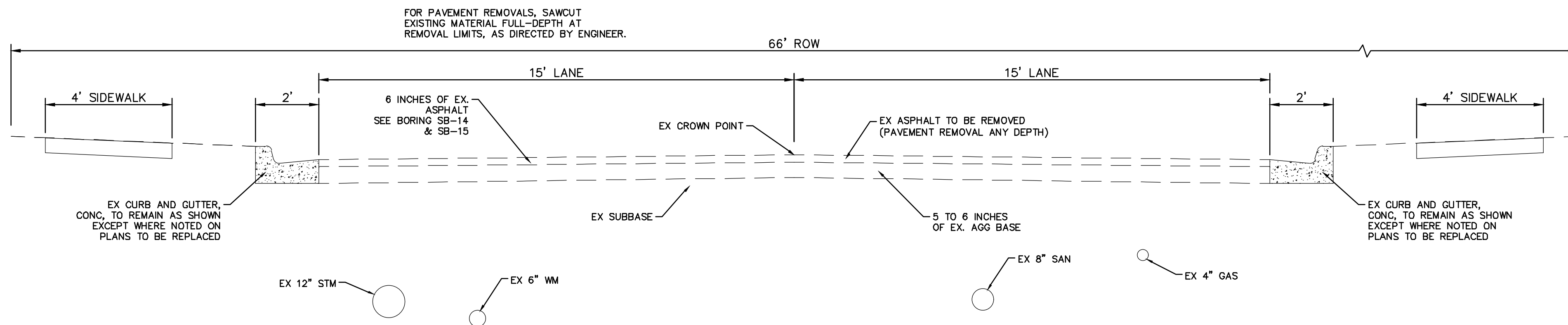
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
OAKWOOD STREET

SCALE: NTS
DRAWING No. 2022-031-10

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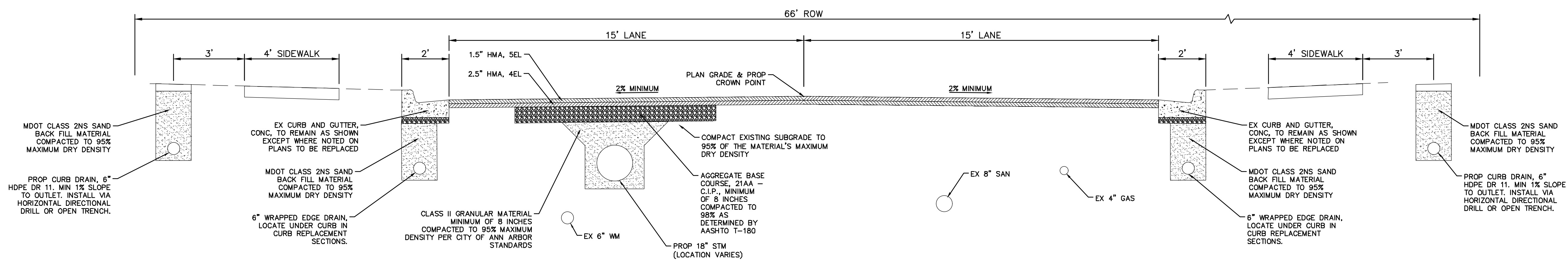
NOTES:

- 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.
- 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 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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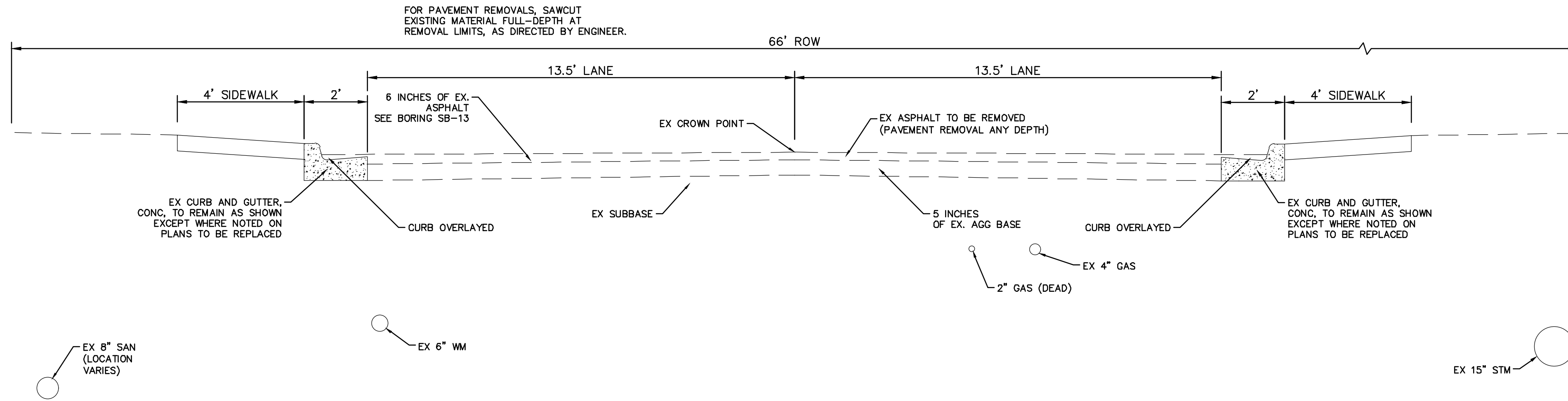
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
OAKWOOD STREET

SCALE: NTS
DRAWING No. 2022-031-11

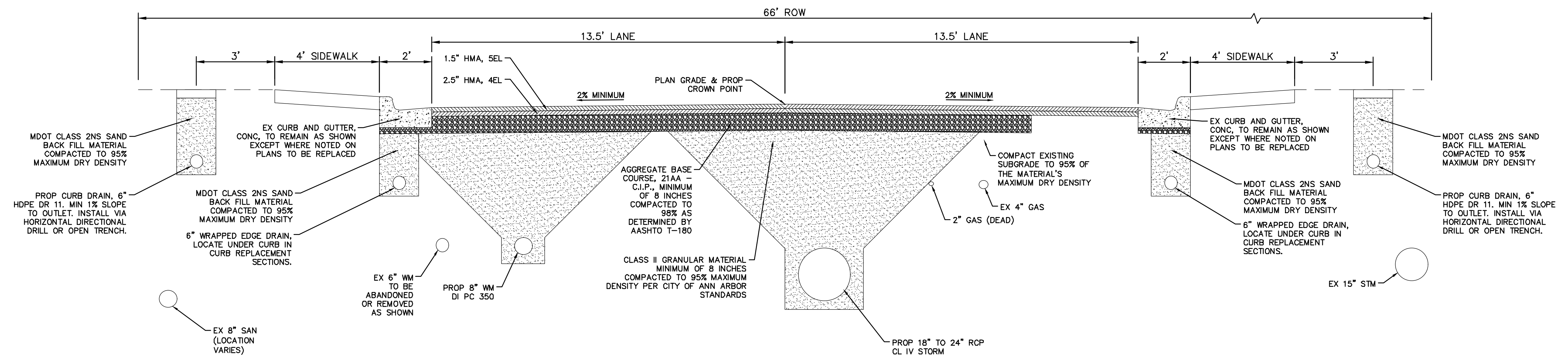
SHEET No.

NOTES:

- 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.
- 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

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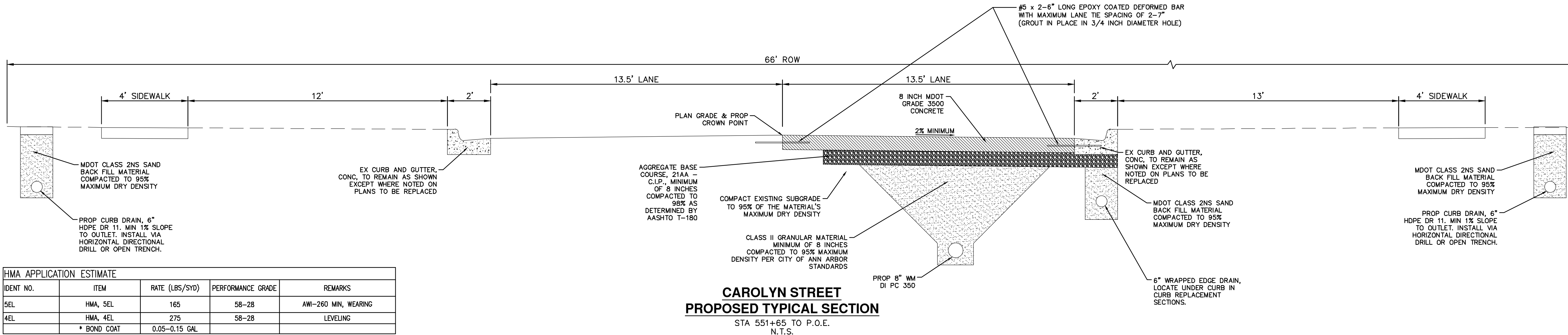
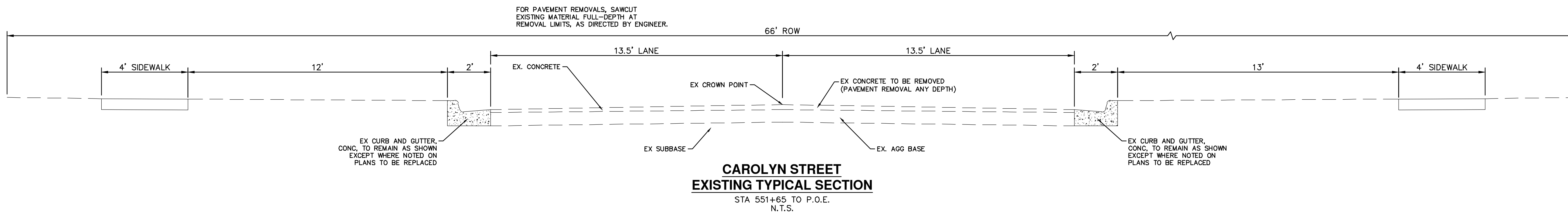
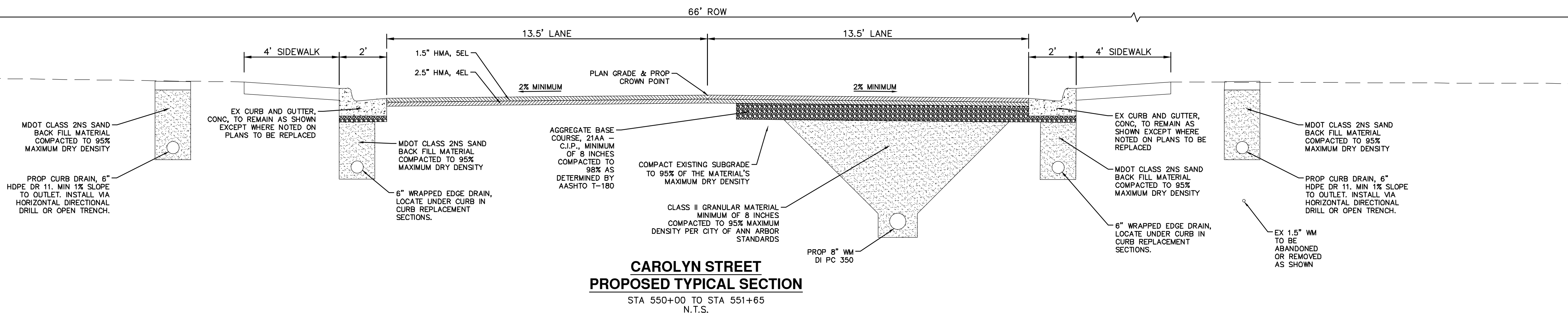
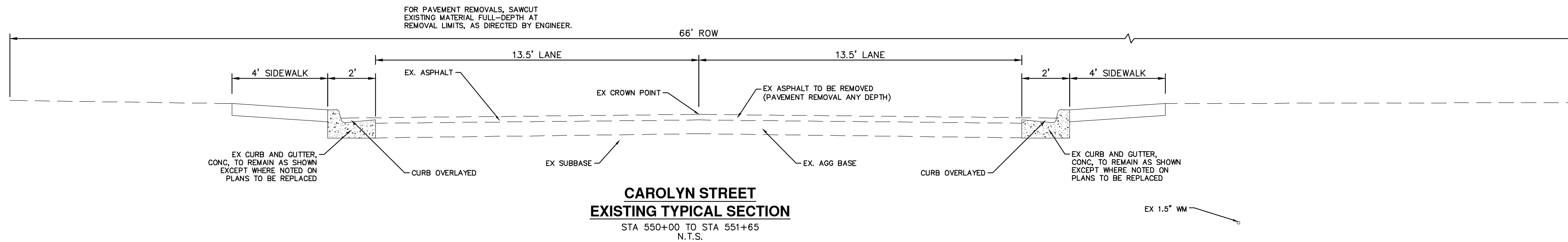
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
RICHARD STREET

SCALE: NTS
DRAWING No. 2022-031-12

SHEET No.

NOTES:

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



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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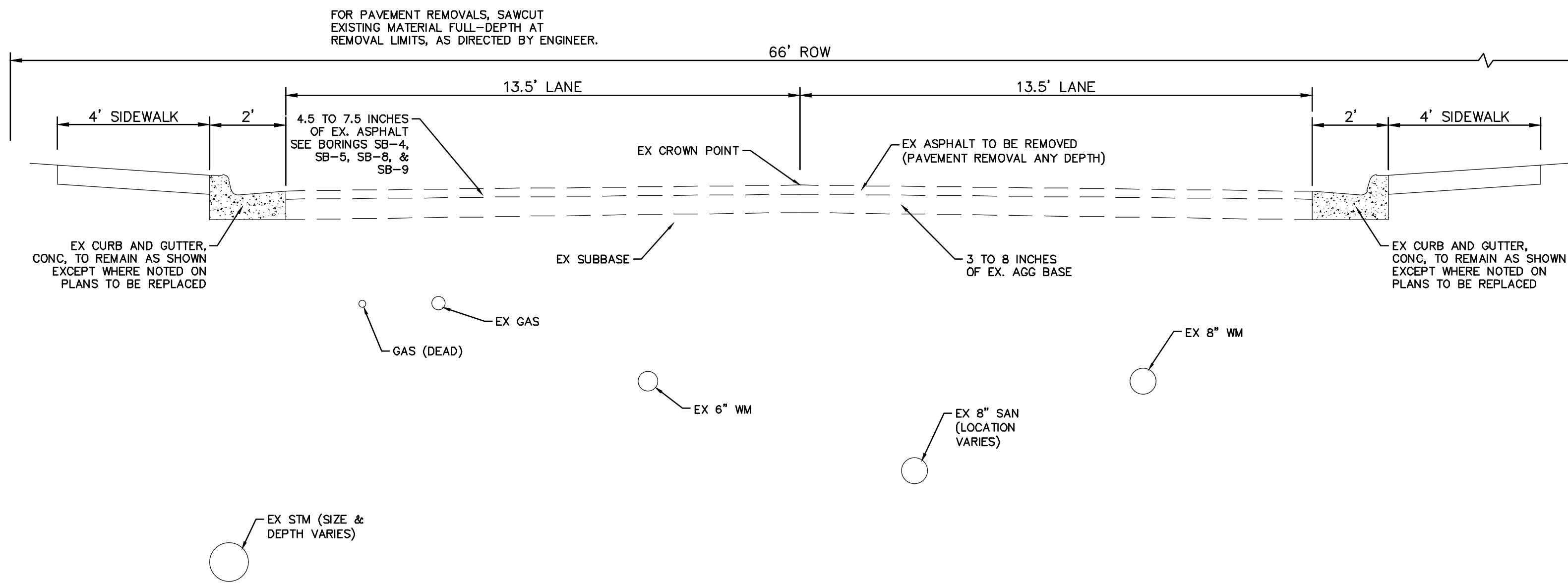


CITY OF ANN ARBOR - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
CAROLYN STREET

SCALE: NTS
DRAWING No. 2022-031-13

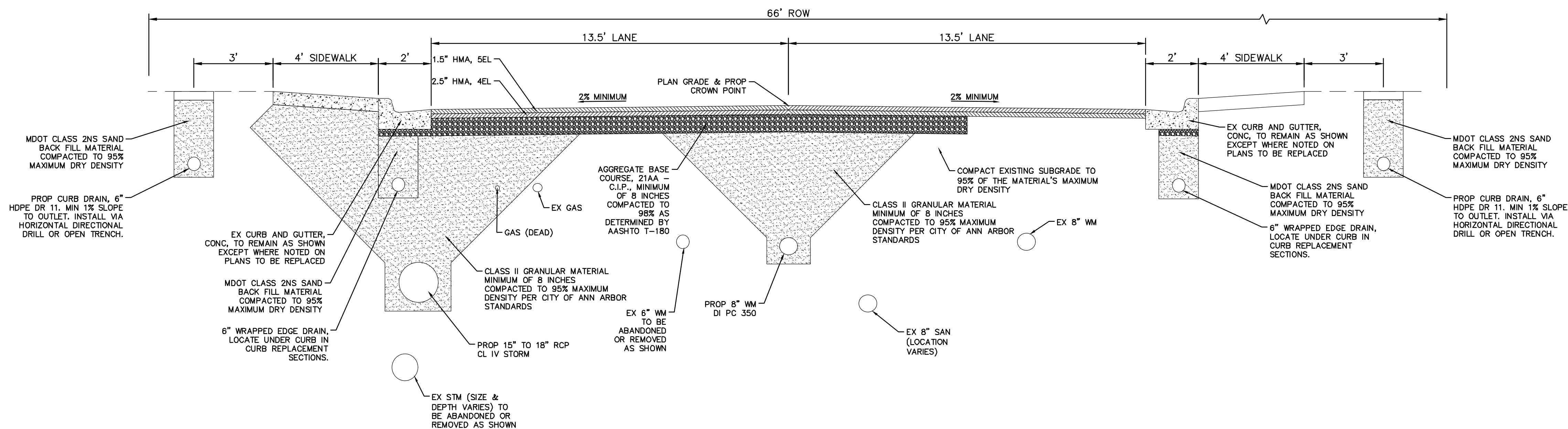
NOTES:

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



**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

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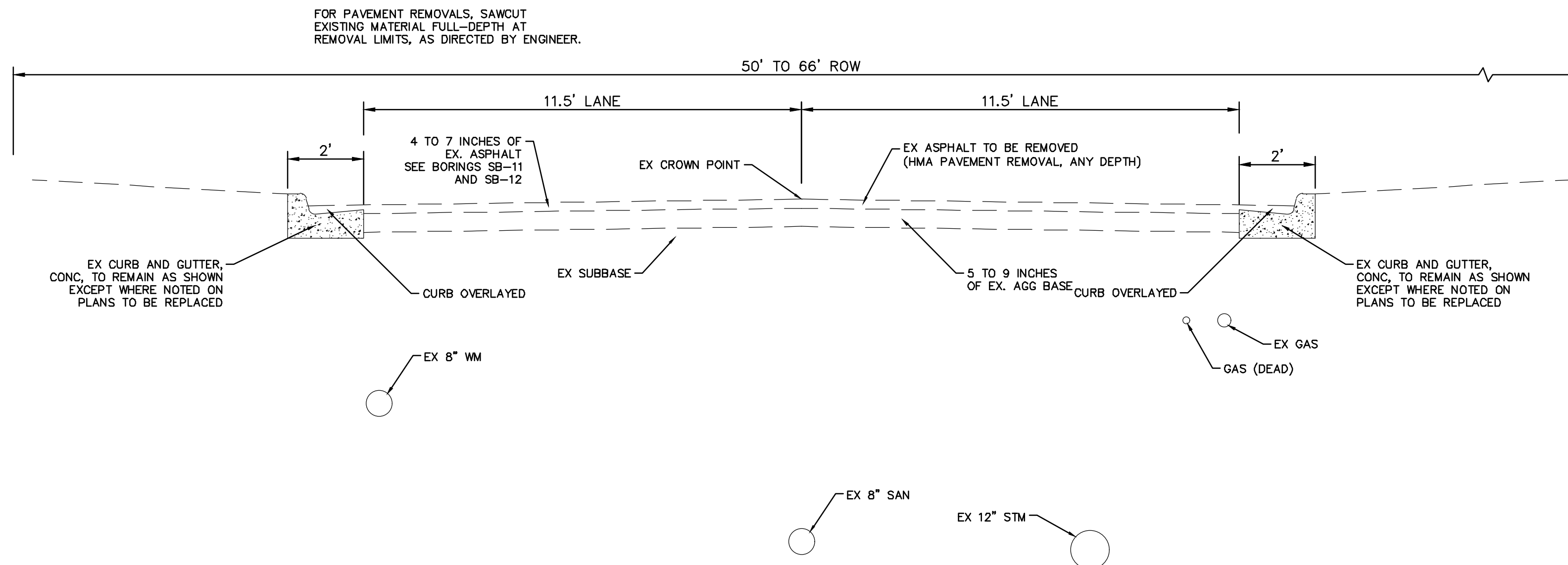
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
JEANNE STREET

SCALE: NTS
DRAWING No. 2022-031-14

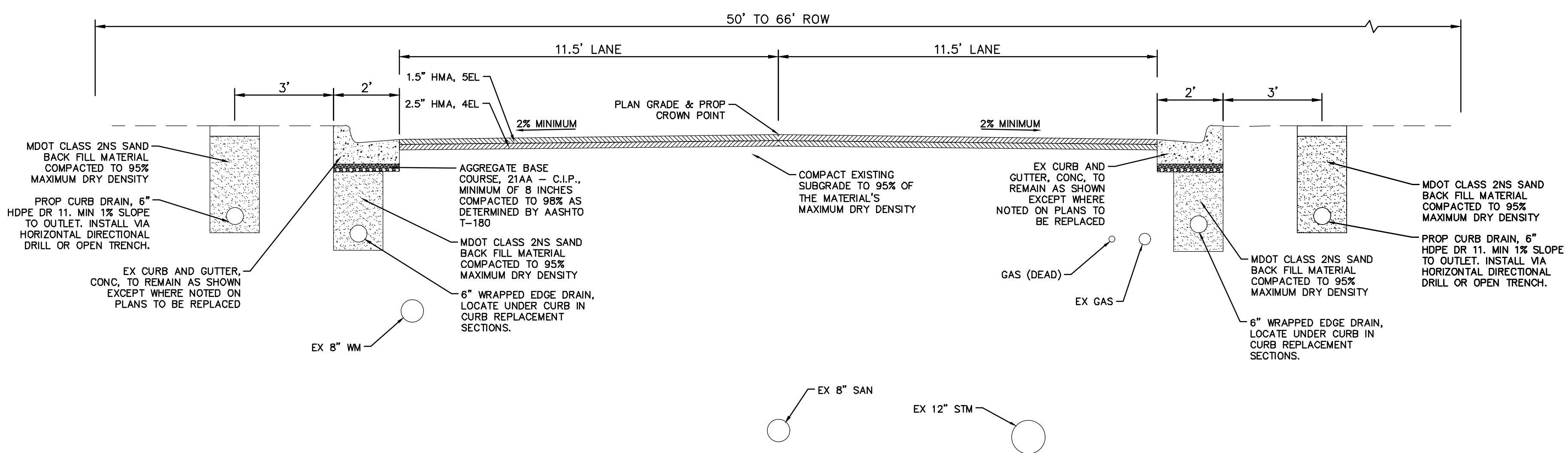
SHEET No.

NOTES:

- 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 contractor's discretion.
- It is the intent of this project to install aggregate base in utility trenches located in the road areas disturbed during utility installation only.



**EDGWOOD DRIVE
EXISTING TYPICAL SECTION**
STA 600+00 TO STA 605+00
N.T.S.



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

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
EDGWOOD DRIVE

SCALE: NTS

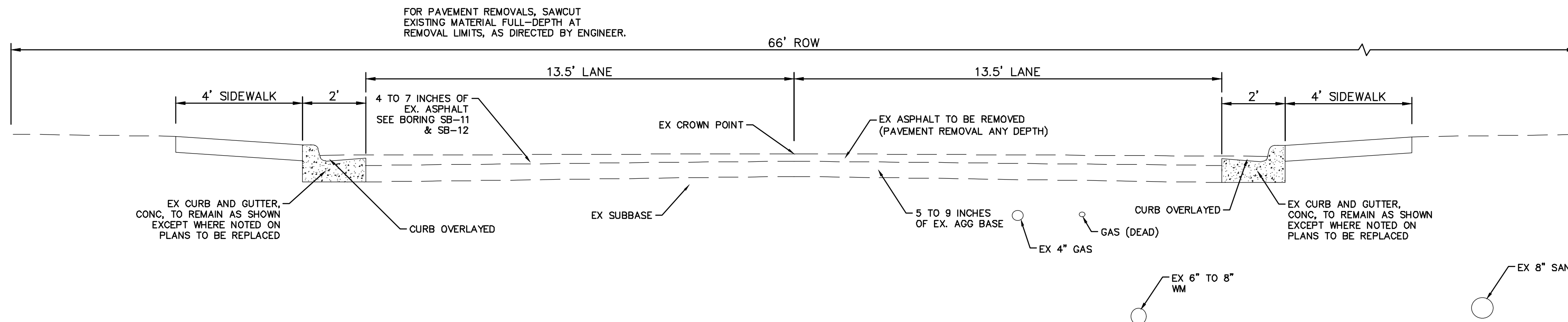
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SHEET No.

15 OF 161

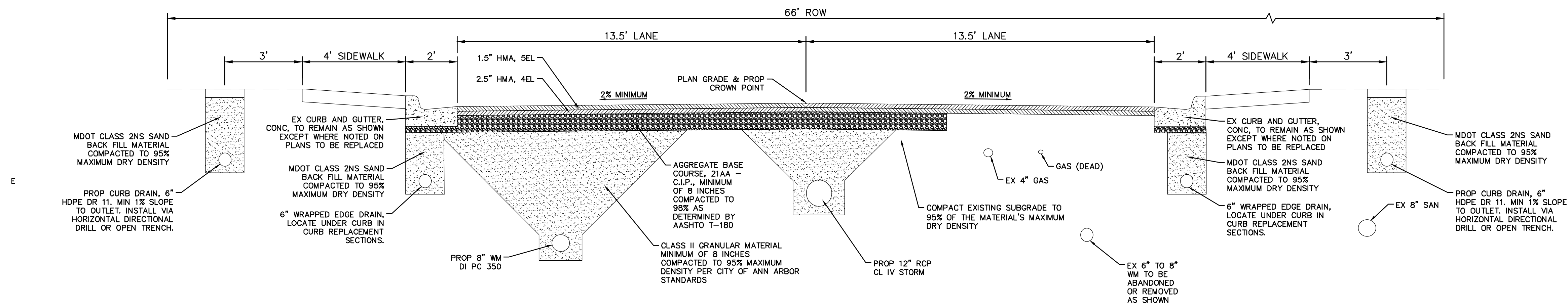
NOTES:

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



**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



REV.	DESCRIPTION	DATE	BY	CHECKED
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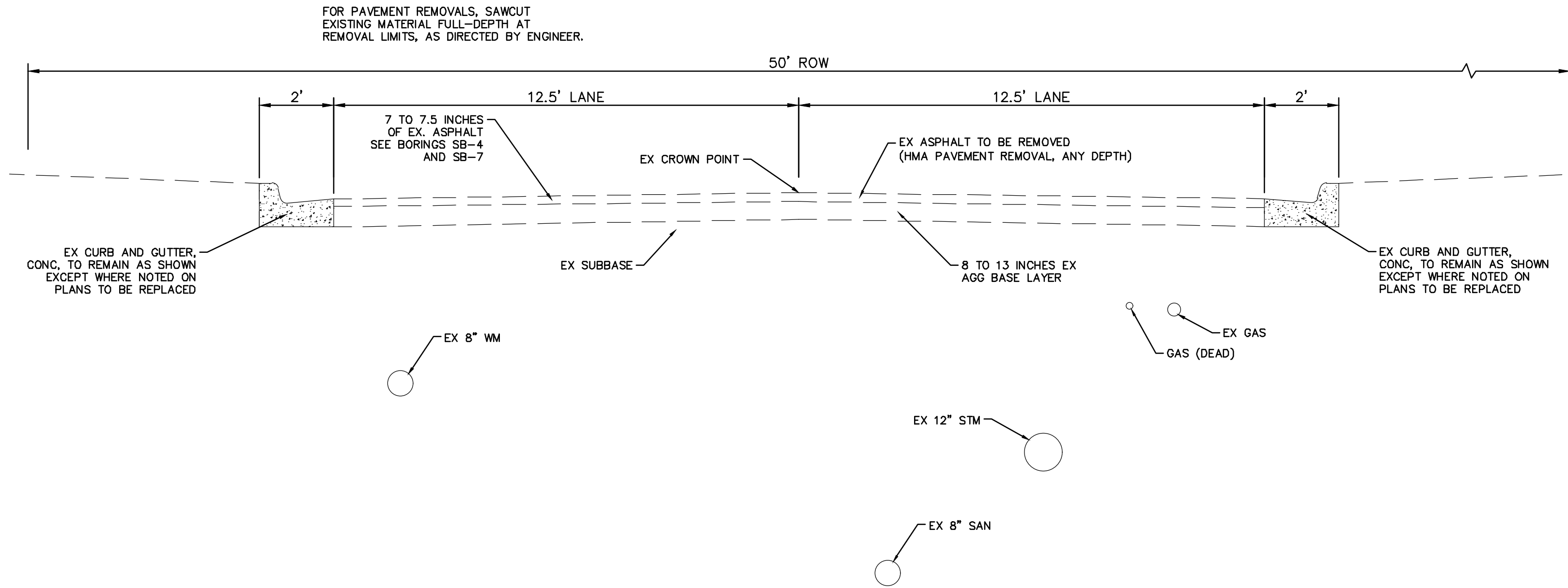
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
EDGEWOOD DRIVE

SCALE: NTS
DRAWING No. 2022-031-16

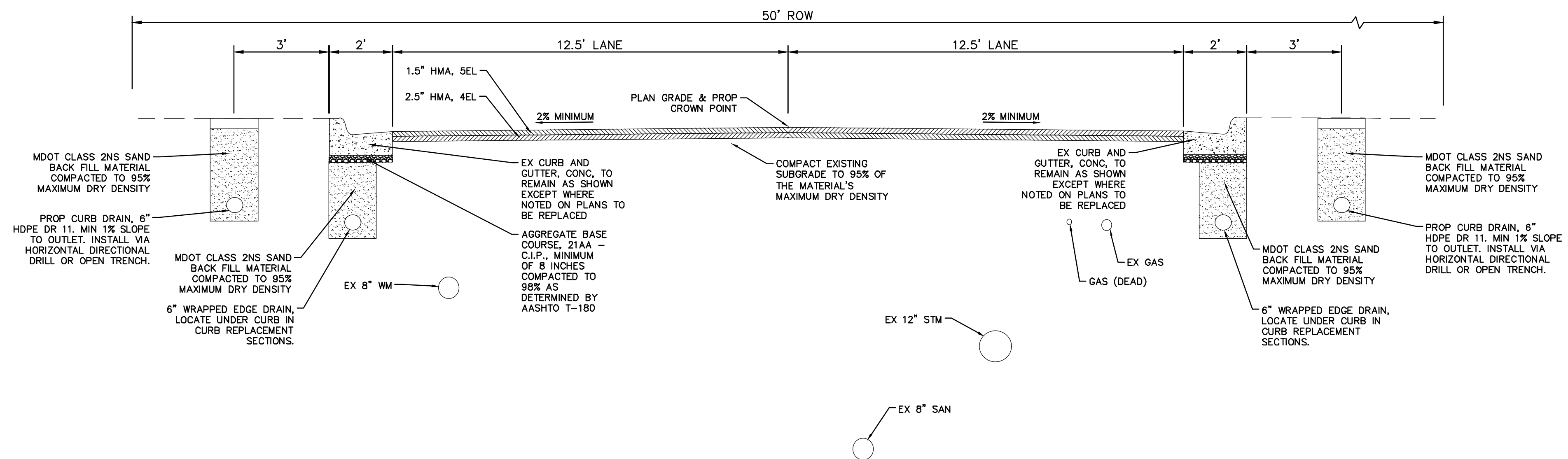
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NOTES:

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- 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 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		

NOTE: MDOT TIER 1 RAP LIMITS APPLIES TO WEARING COURSE

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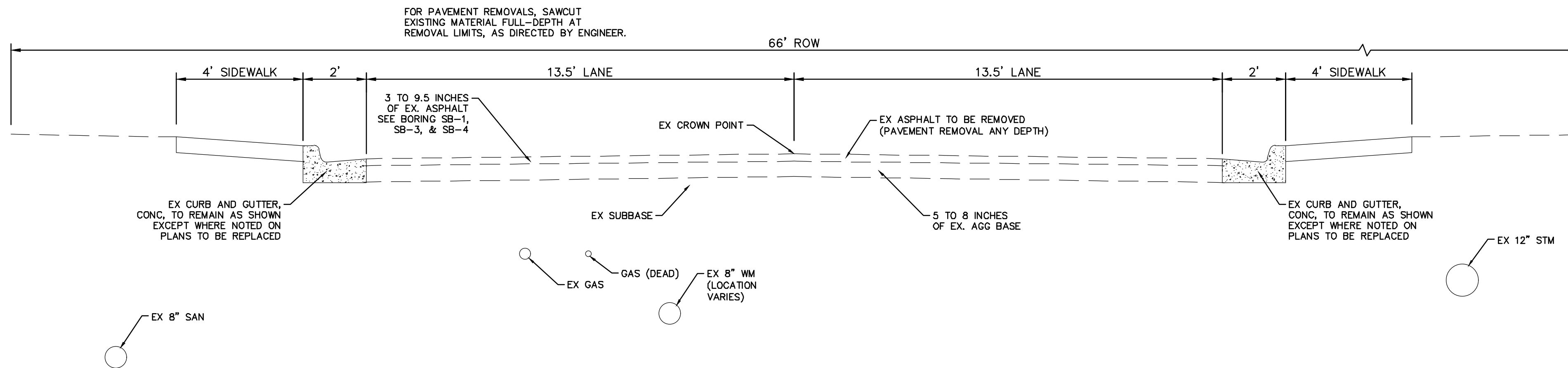


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
PARKWOOD AVENUE

SCALE: NTS
DRAWING No. 2022-031-17

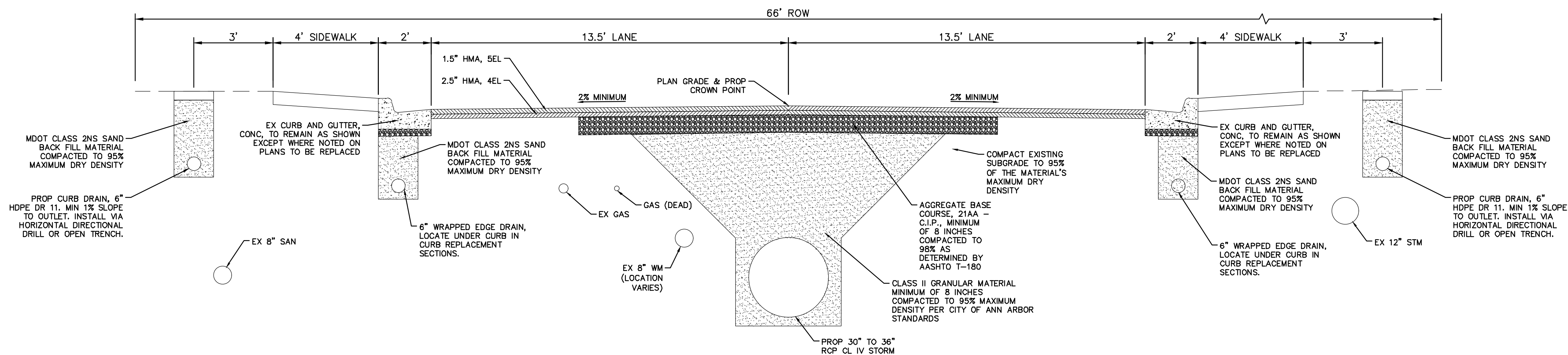
NOTES:

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**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

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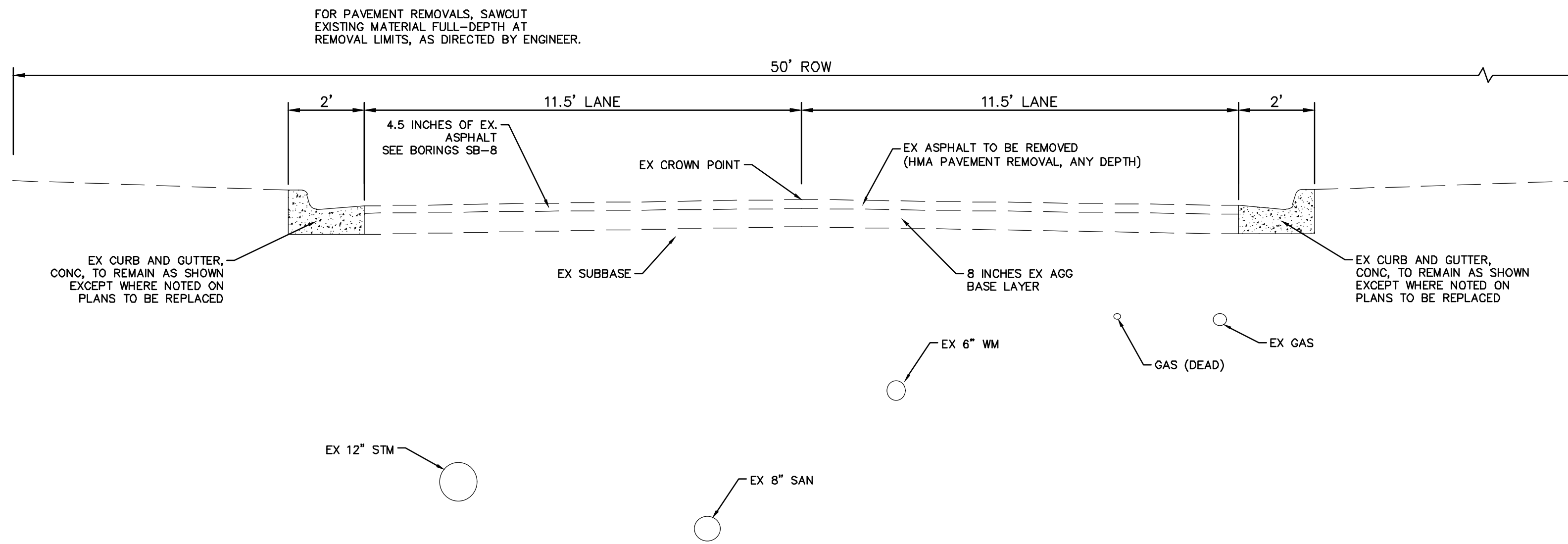
**CITY OF ANN ARBOR - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
PARKWOOD AVENUE**

SCALE: NTS
DRAWING No. 2022-031-18

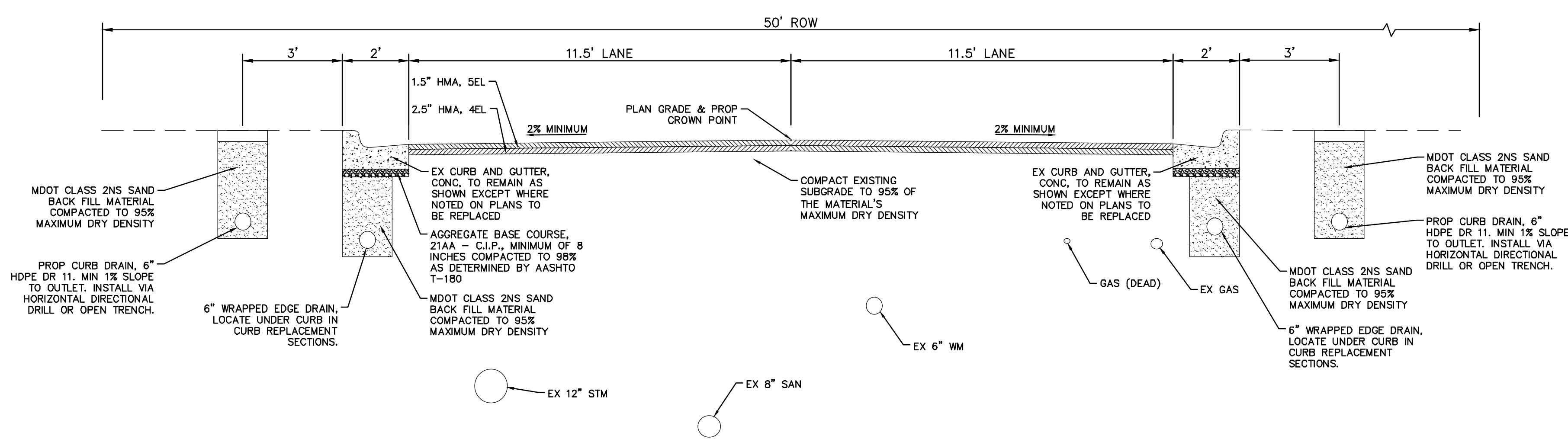
SHEET No.

NOTES:

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**FERNWOOD AVENUE
EXISTING TYPICAL SECTION**
STA 900+00 TO STA 905+00
N.T.S.

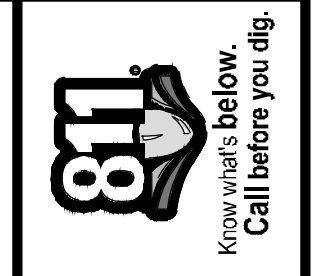


**FERNWOOD AVENUE
PROPOSED TYPICAL SECTION**
STA 900+00 TO STA 905+00
N.T.S.

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

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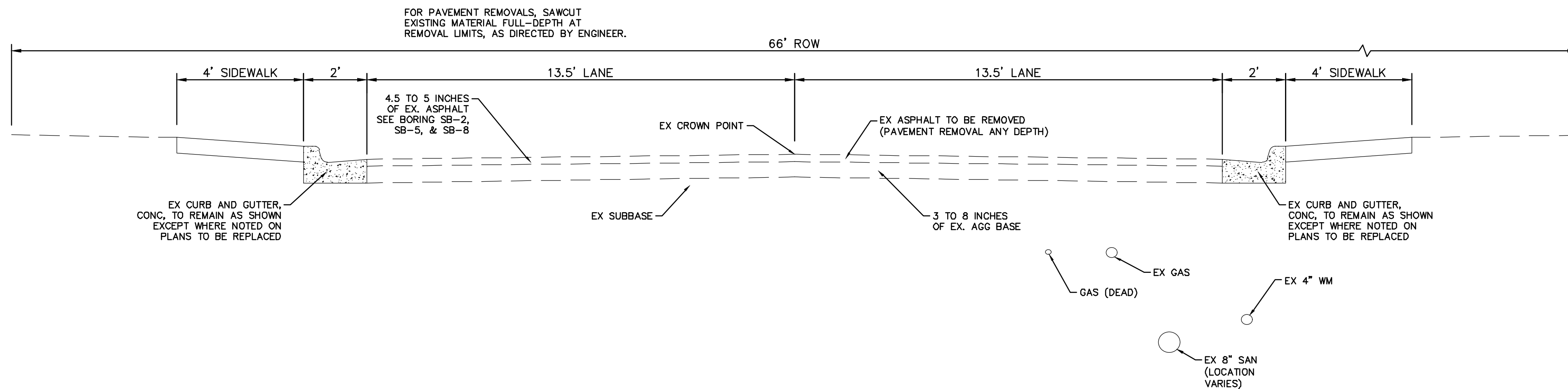


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TYPICAL CROSS SECTIONS
FERNWOOD AVENUE

SCALE: NTS
DRAWING No. 2022-031-19
SHEET No.

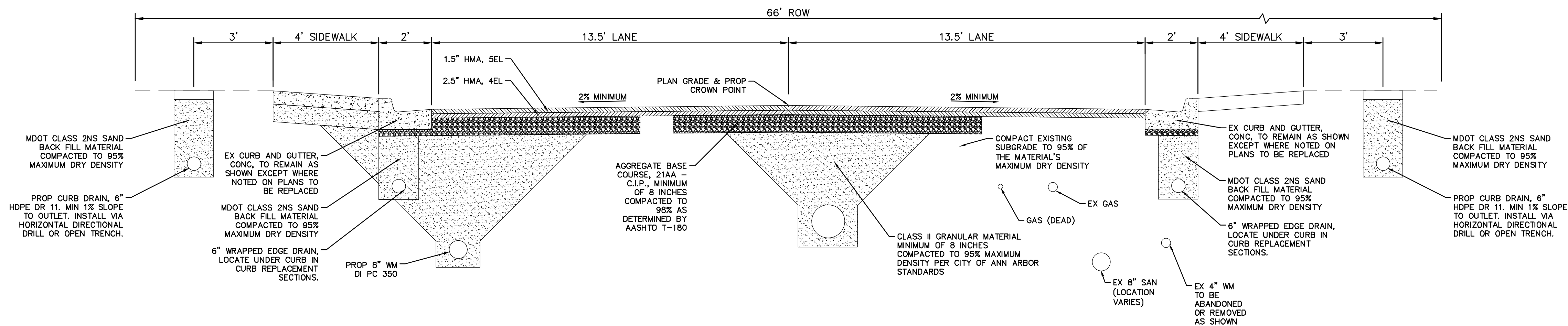
NOTES:

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**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.

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
FERNWOOD AVENUE**

SCALE: NTS
DRAWING No. 2022-031-20

SHEET No.



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

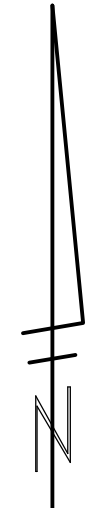
JUNE 14, 2026 TO AUGUST 22, 2026

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

AUGUST 23, 2026 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.



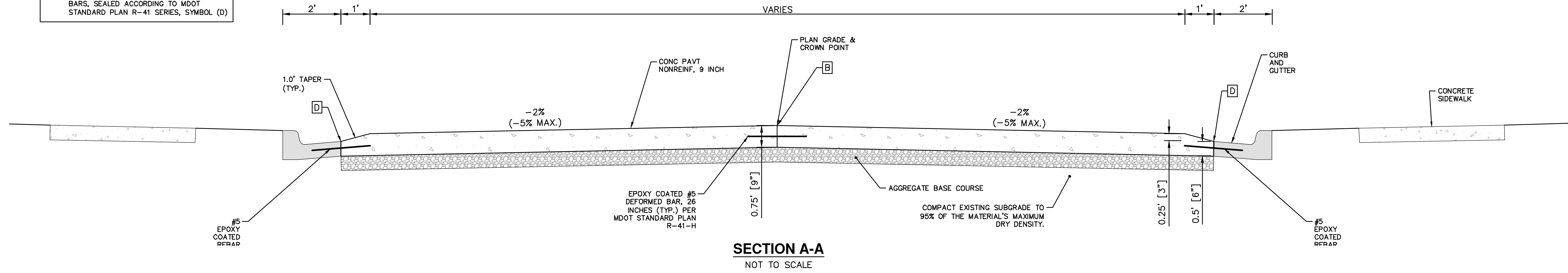
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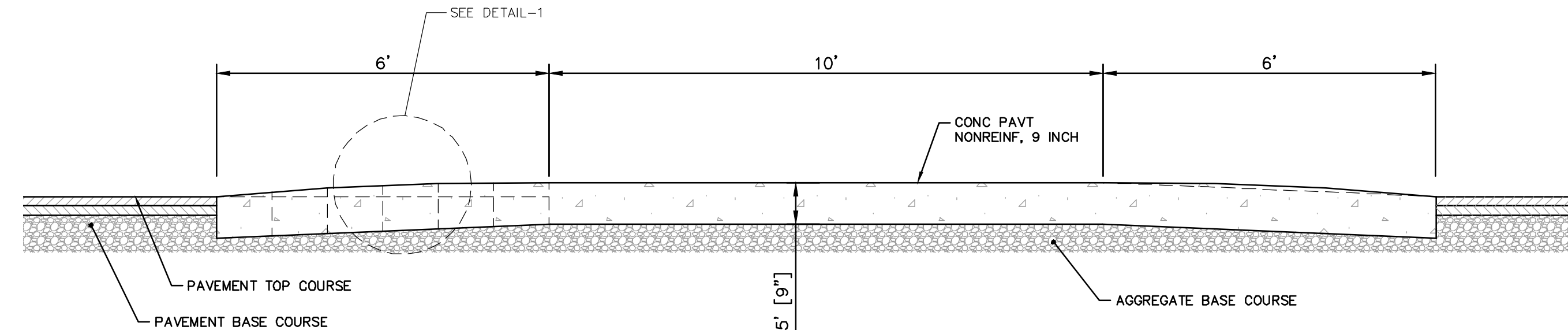
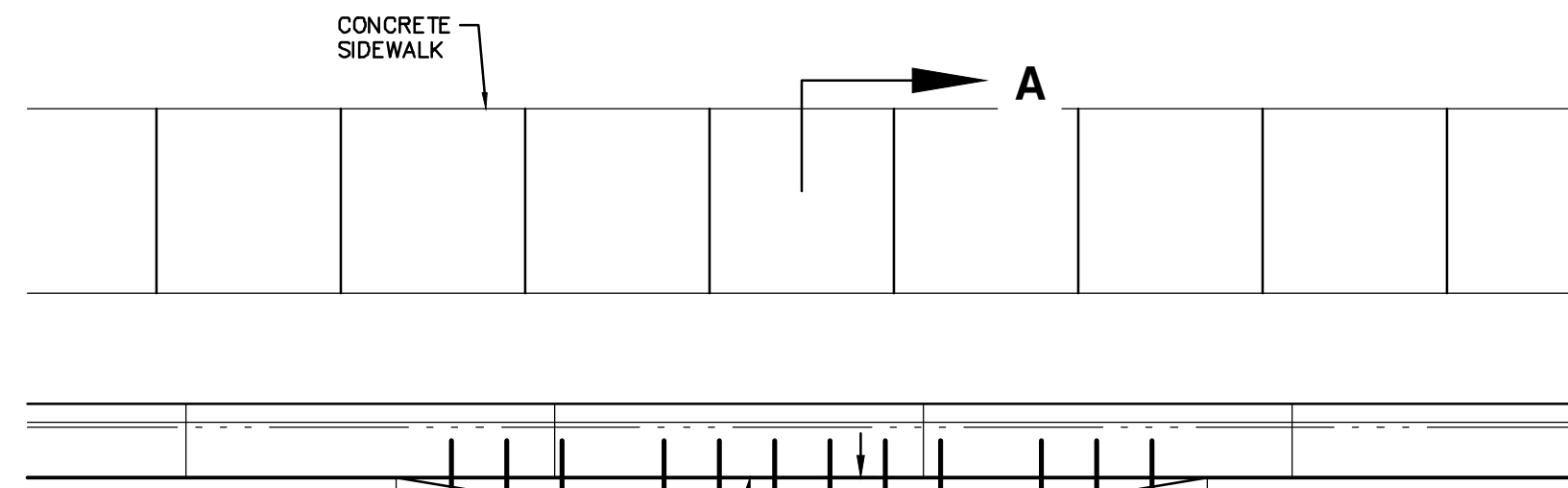


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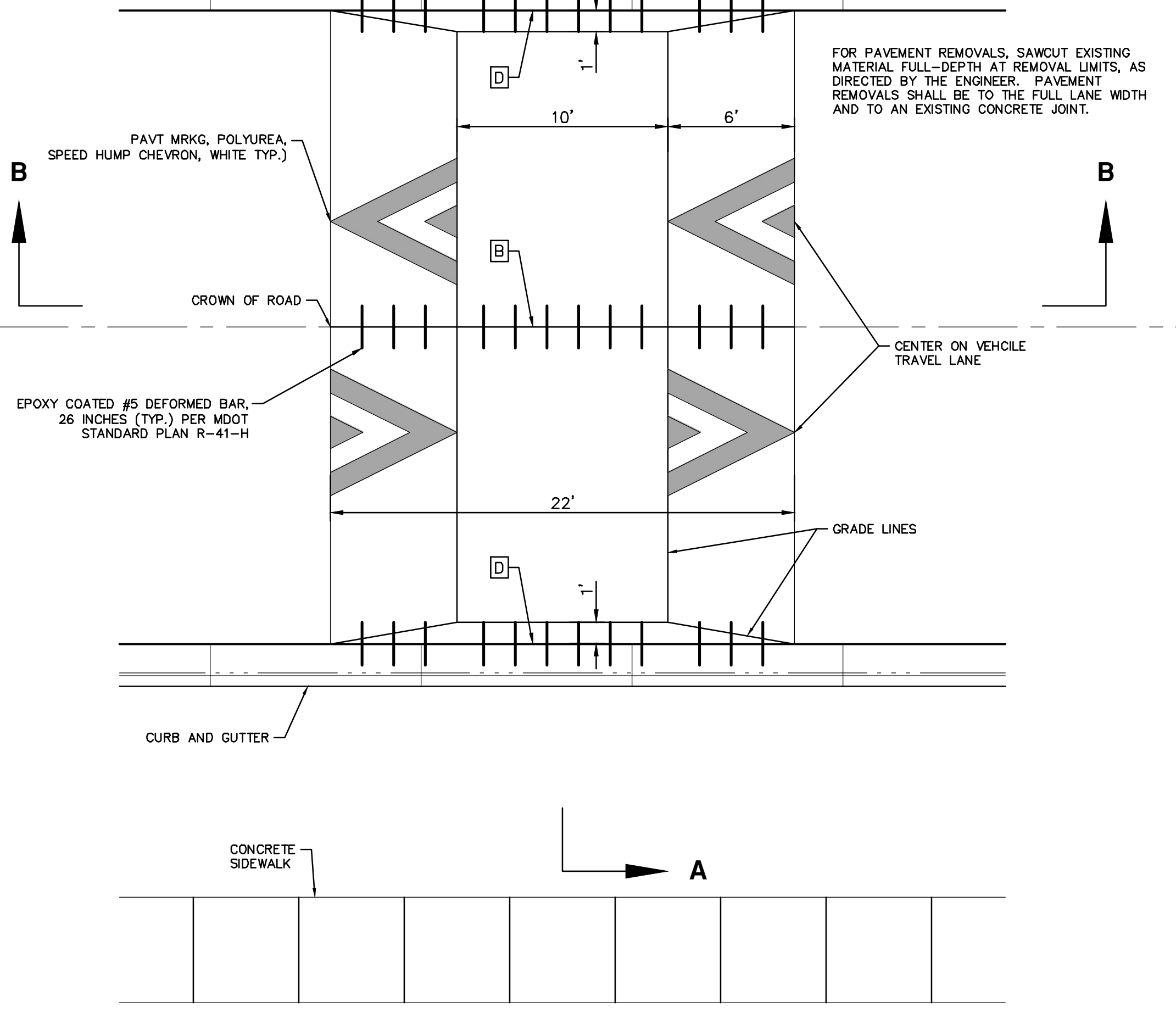
CONCRETE JOINT LEGEND:
 B - LONGITUDINAL BULKHEAD JOINT, SEALED ACCORDING TO MDOT STANDARD PLAN R-41 SERIES, SYMBOL (B)
 D - LONGITUDINAL LANE TIE JOINT WITH TIE BARS, SEALED ACCORDING TO MDOT STANDARD PLAN R-41 SERIES, SYMBOL (D)



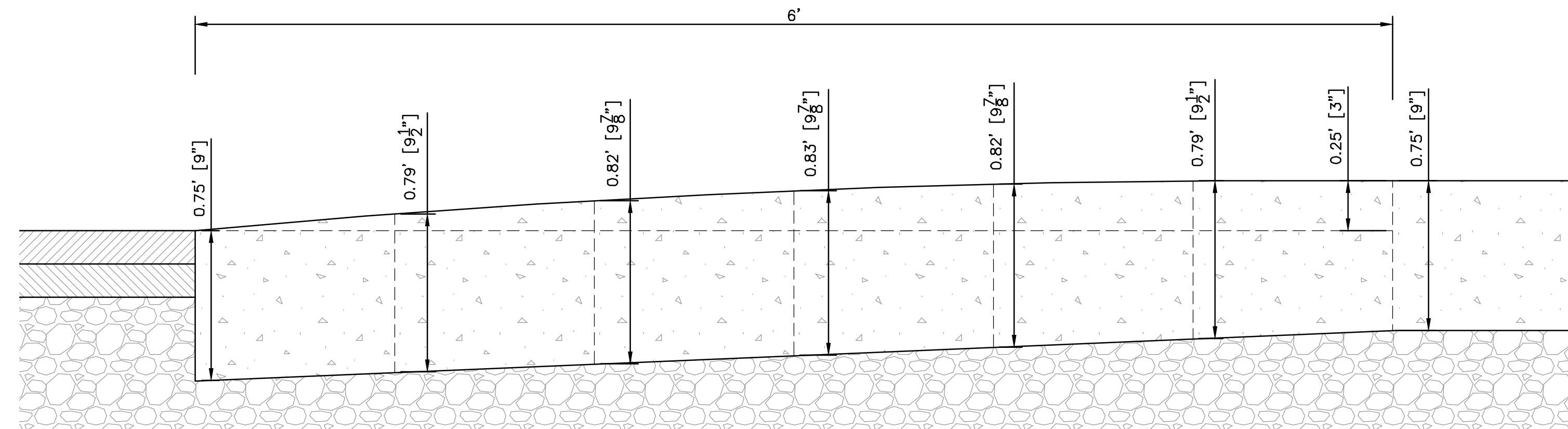
SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE

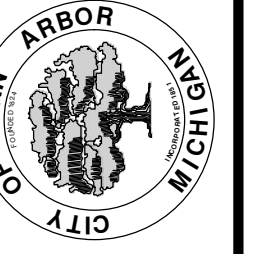


FOR PAVEMENT REMOVALS, SAWCUT EXISTING MATERIAL FULL-DEPTH AT REMOVAL LIMITS, AS DIRECTED BY THE ENGINEER. PAVEMENT REMOVALS SHALL BE TO THE FULL LANE WIDTH AND TO AN EXISTING CONCRETE JOINT.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48106-8647
 734-794-4410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
 MISCELLANEOUS DETAILS

SCALE: NTS
 DRAWING No. 2022-031-22

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: 18-Dec-24

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

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR OTHER METHODS APPROVED BY THE ENGINEER.
- 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.

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

SEQUENCE OF EROSION CONTROL MEASURES:

- 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:

- 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.
- STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- 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.
- PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- COMPLETE ALL FINE GRADING.
- TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- CLEAN OUT STORM SEWER SYSTEMS.
- REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

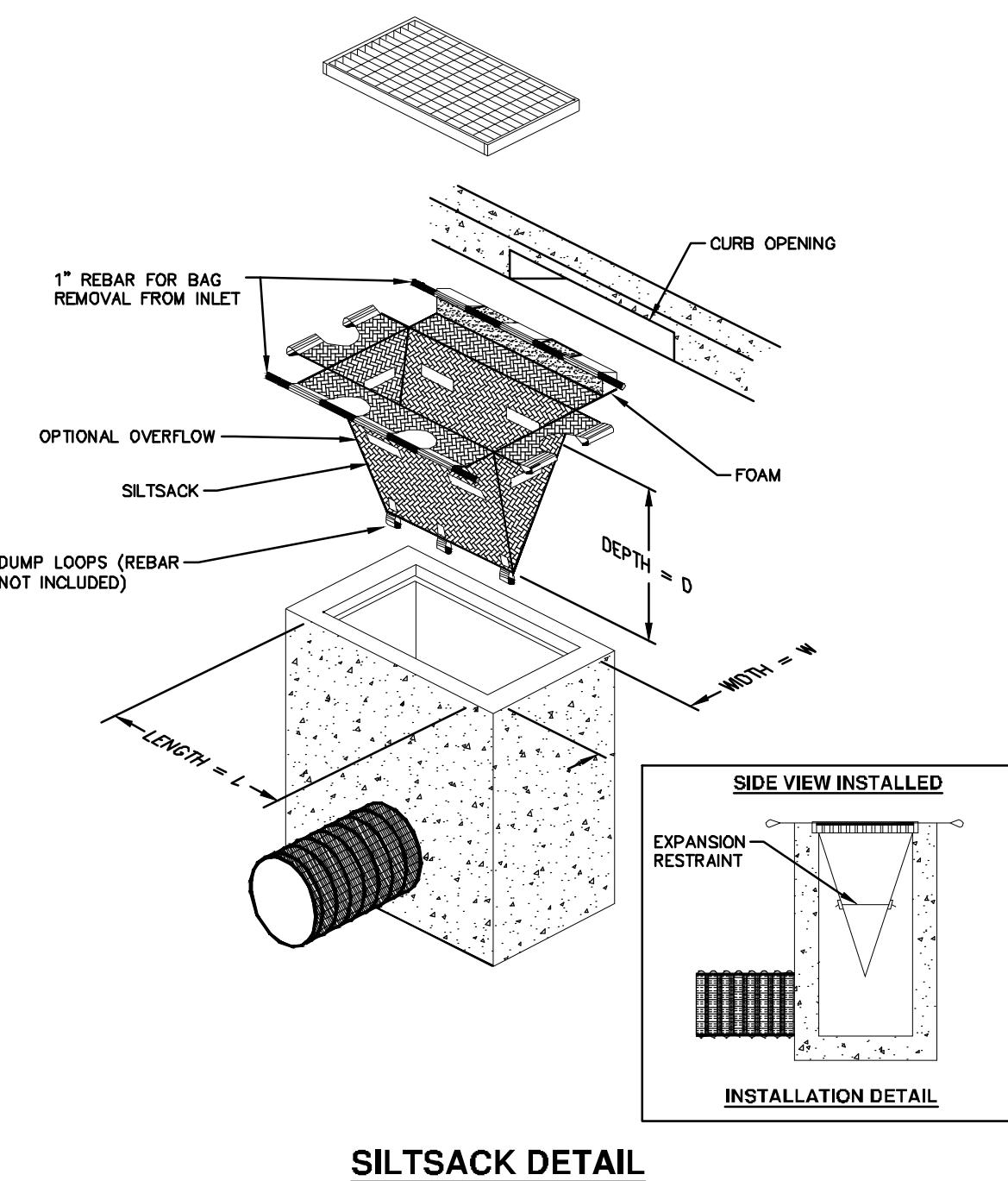
NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT,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

TEMPORARY SEEDING:

- SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
- 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.



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-4832	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4832	20%
PUNCTURE	ASTM D-4833	120 LBS
MILLEN 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

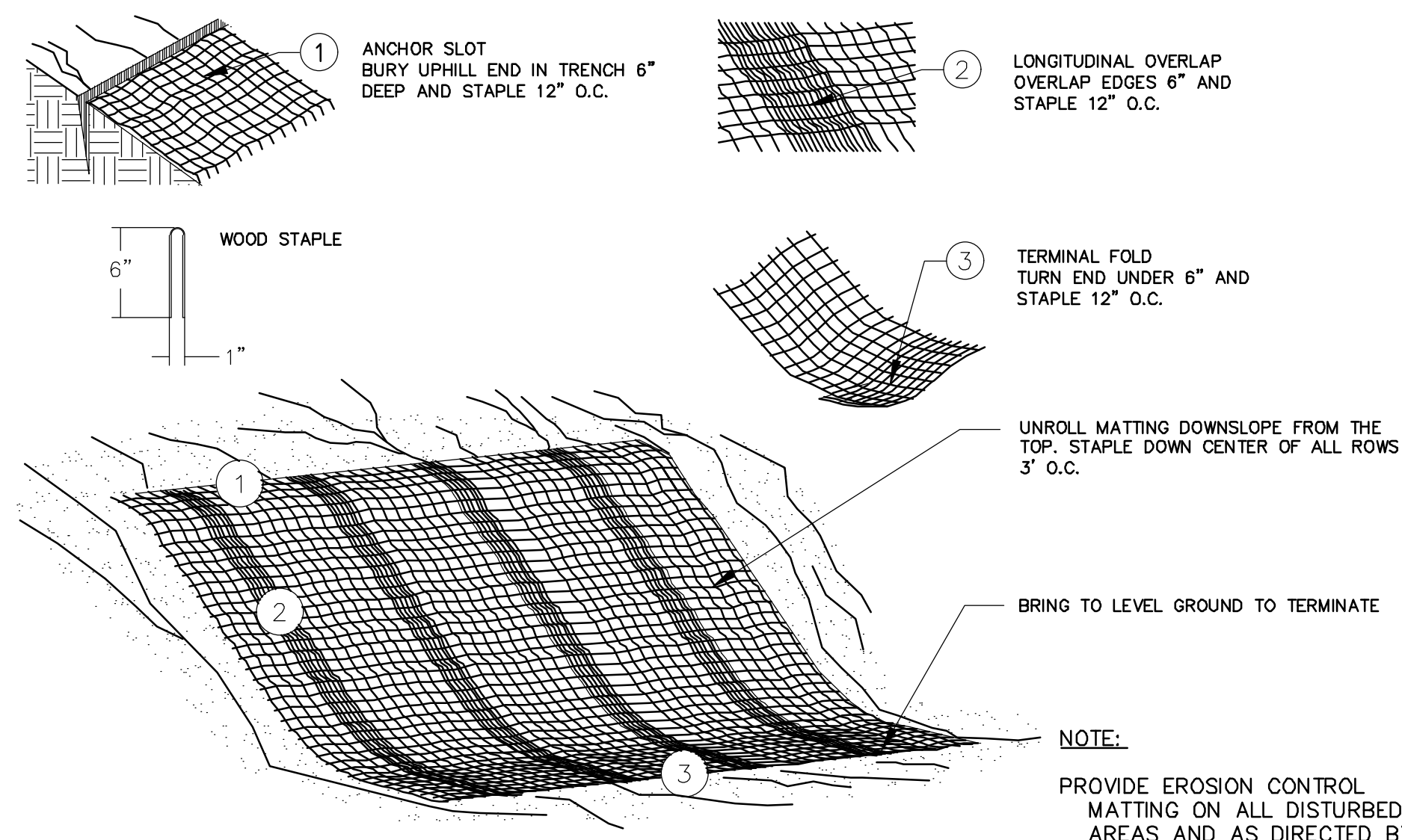
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4832	285 LBS
GRAB TENSILE ELONGATION	ASTM D-4832	20%
PUNCTURE	ASTM D-4833	135 LBS
MILLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	80%
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

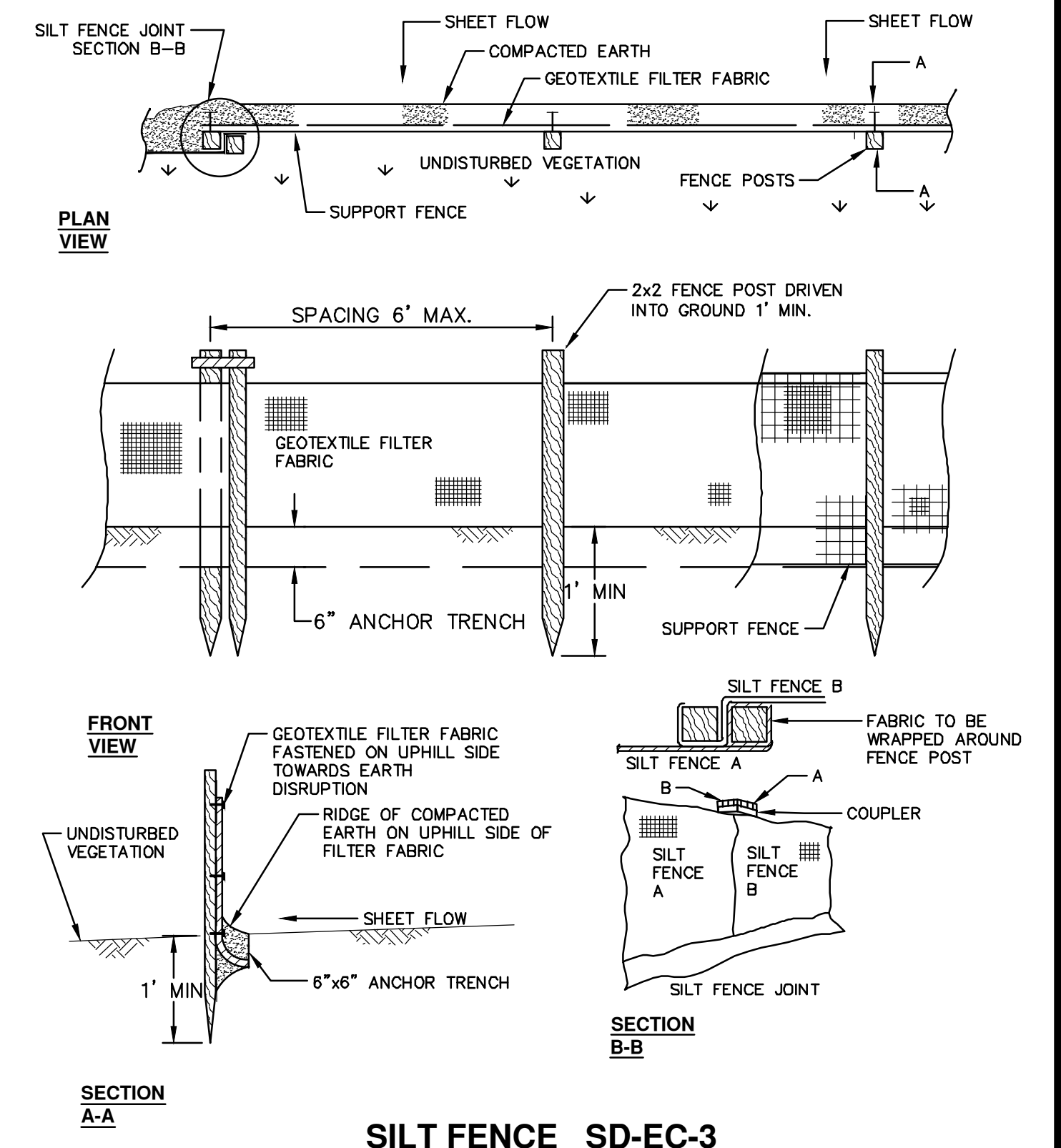
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

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.

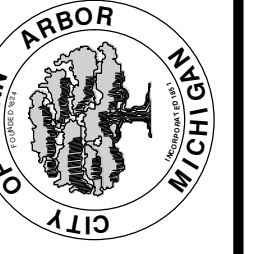


SILT FENCE SD-EC-3



NO.	DATE	DESCRIPTION	BY	CHKD
	12-19-2024		SM	CE
			SM	CHECKED
			SM	DRAWN
			SM	DATE
			SM	REV.

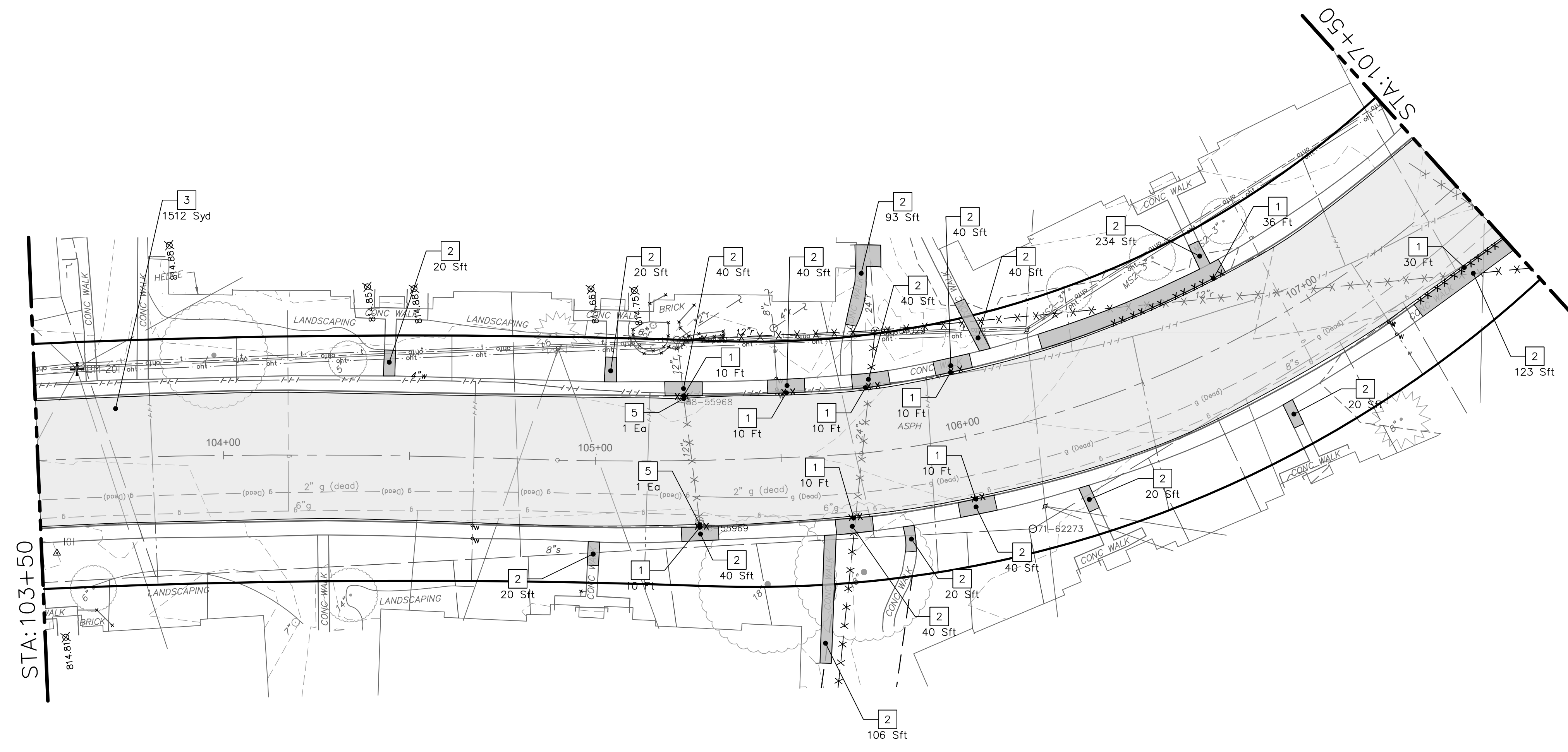
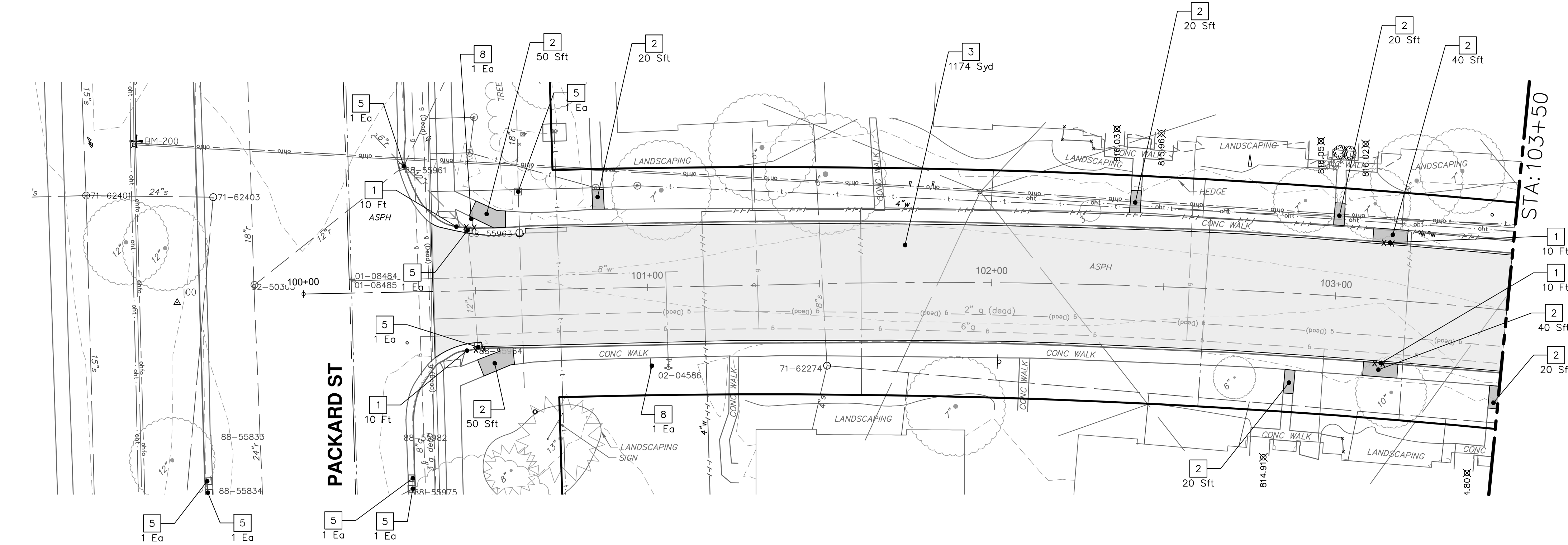
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
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PITTSFIELD VILLAGE IMPROVEMENTS
STANDARD SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND DETAIL

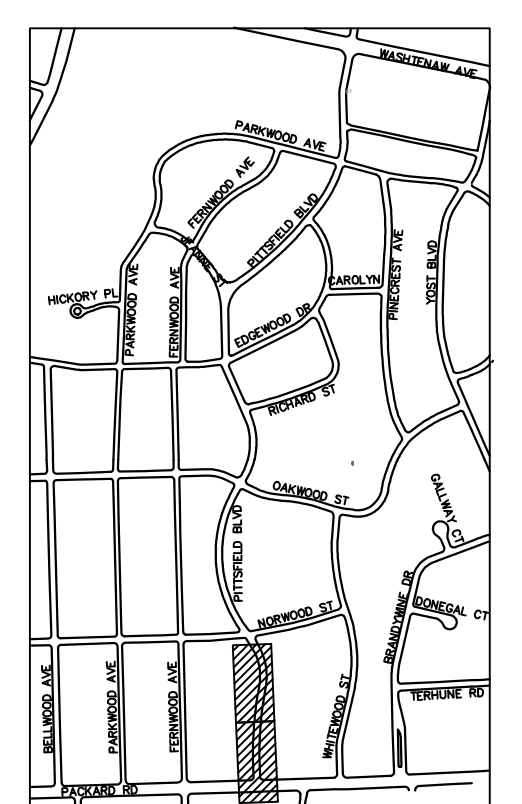
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE: NTS
DRAWING No. 2022-031-23

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

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

REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

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'

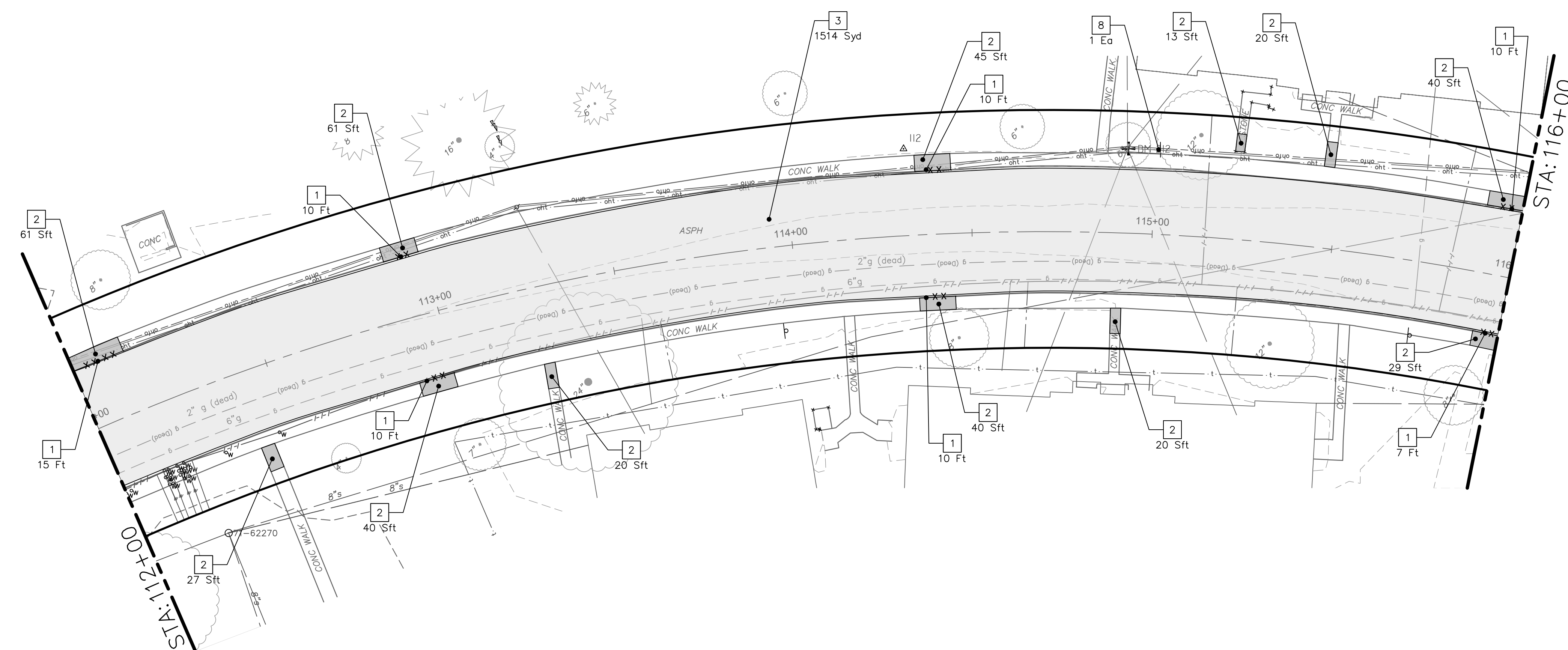
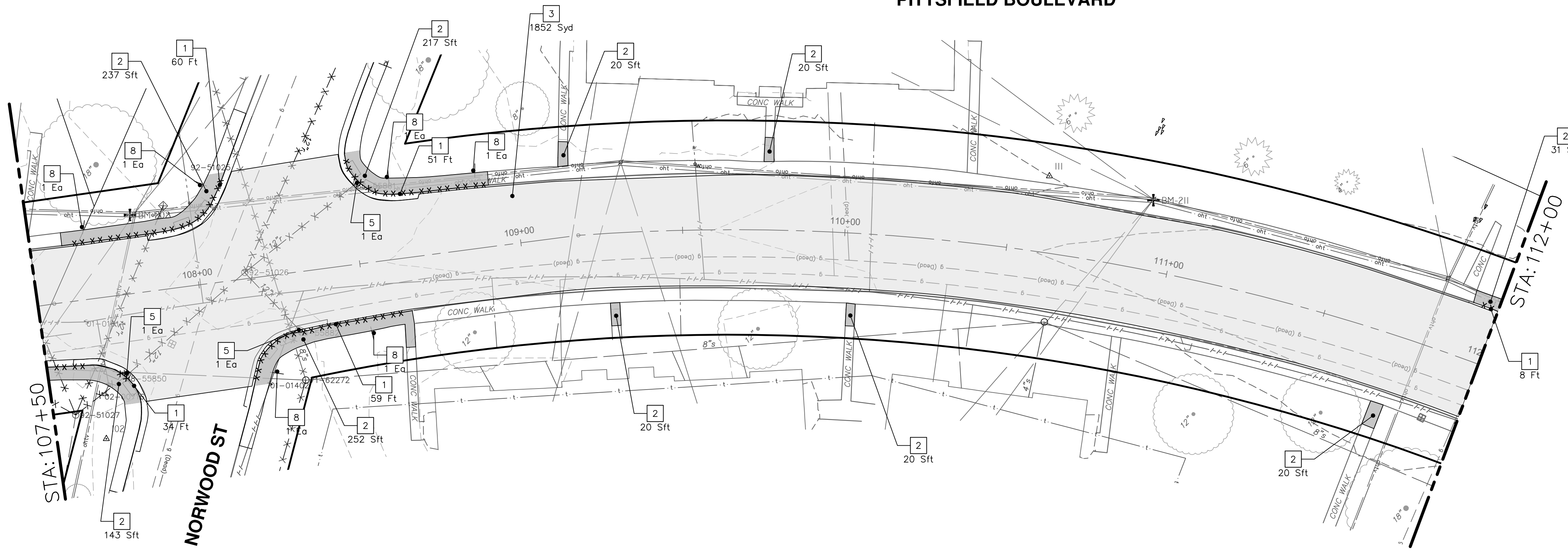
DRAWING NO. 2022-031-24

SHEET NO. 24 OF 161

CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48106-8647
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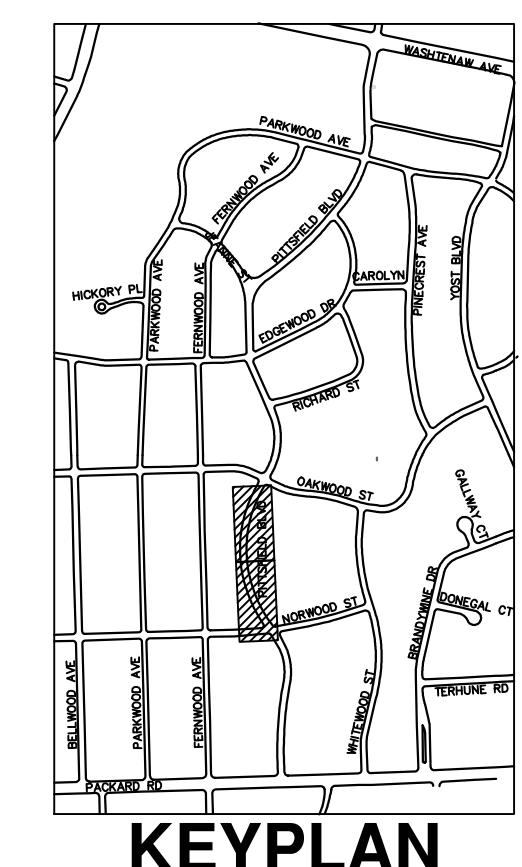
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PITTSFIELD BOULEVARD



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

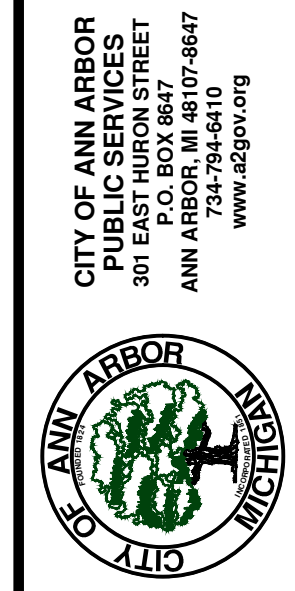
- NOTES:**
- PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
 - UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

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 161



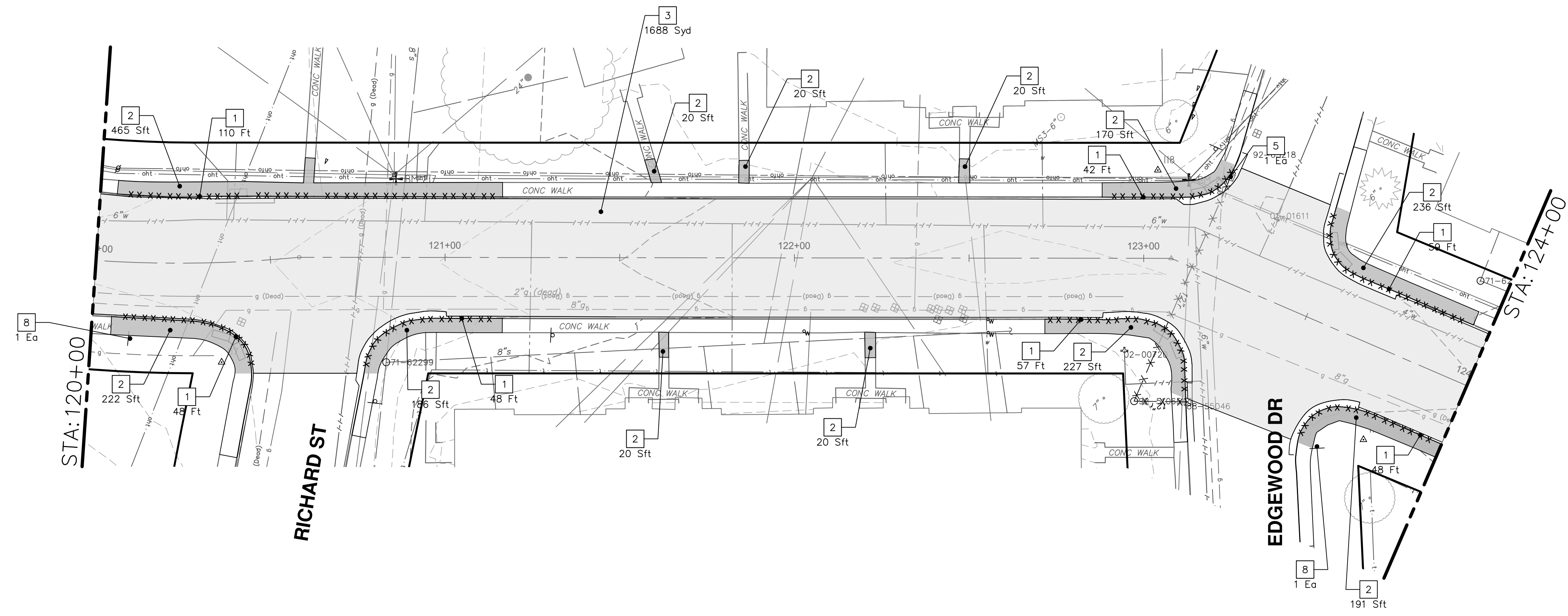
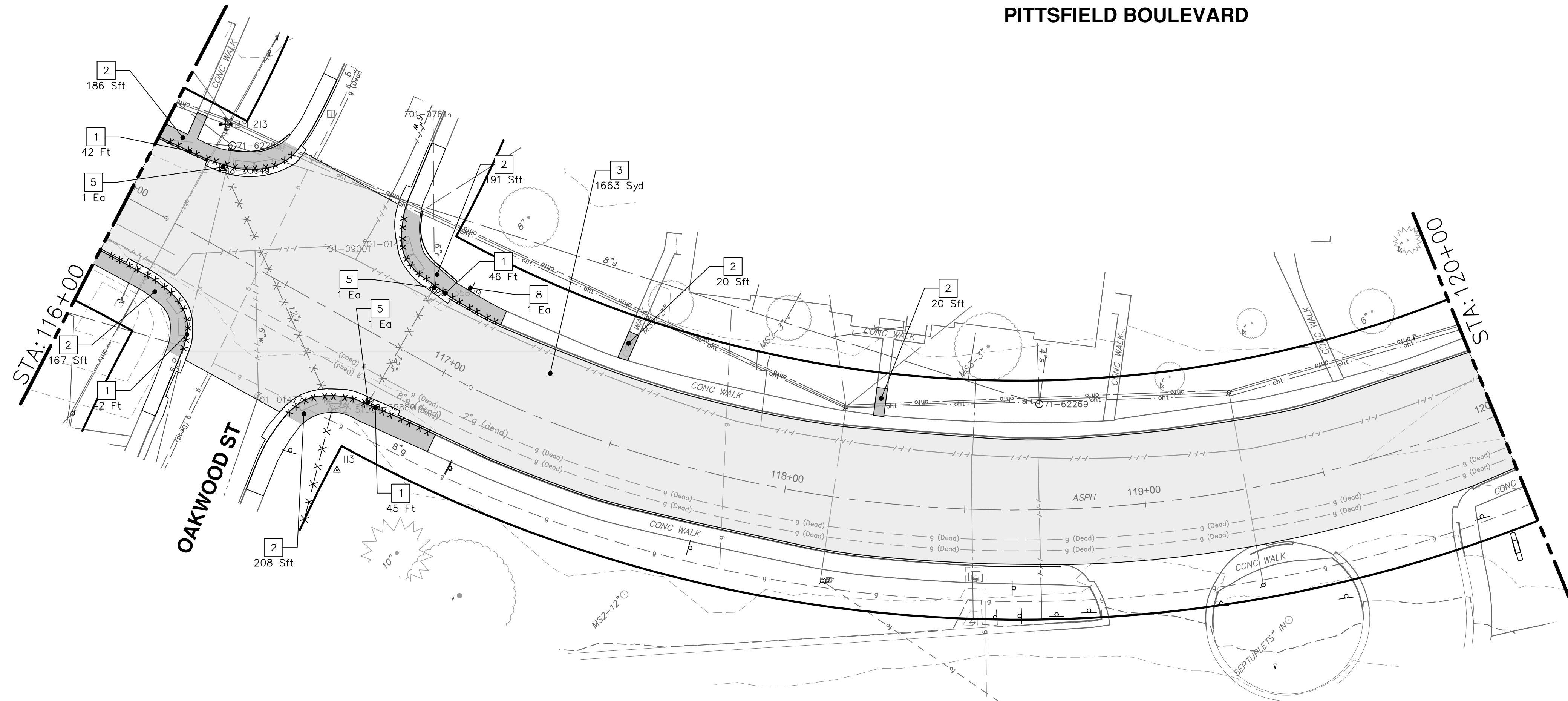
CITY OF ANN ARBOR
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 301 EAST HURON STREET
 ANN ARBOR, MI 48107-8647
 WWW.A2GOV.ORG

REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			



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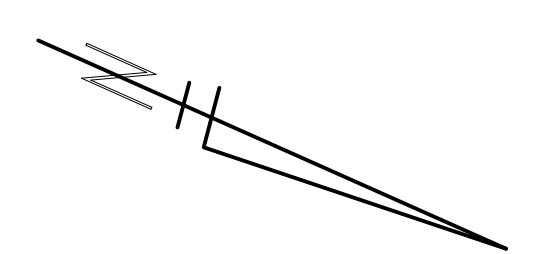
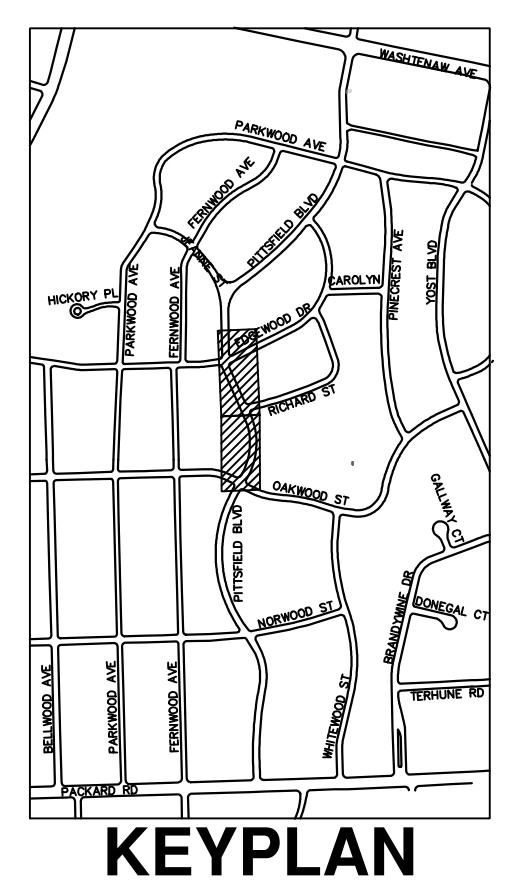
PITTSFIELD BOULEVARD



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).



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 161

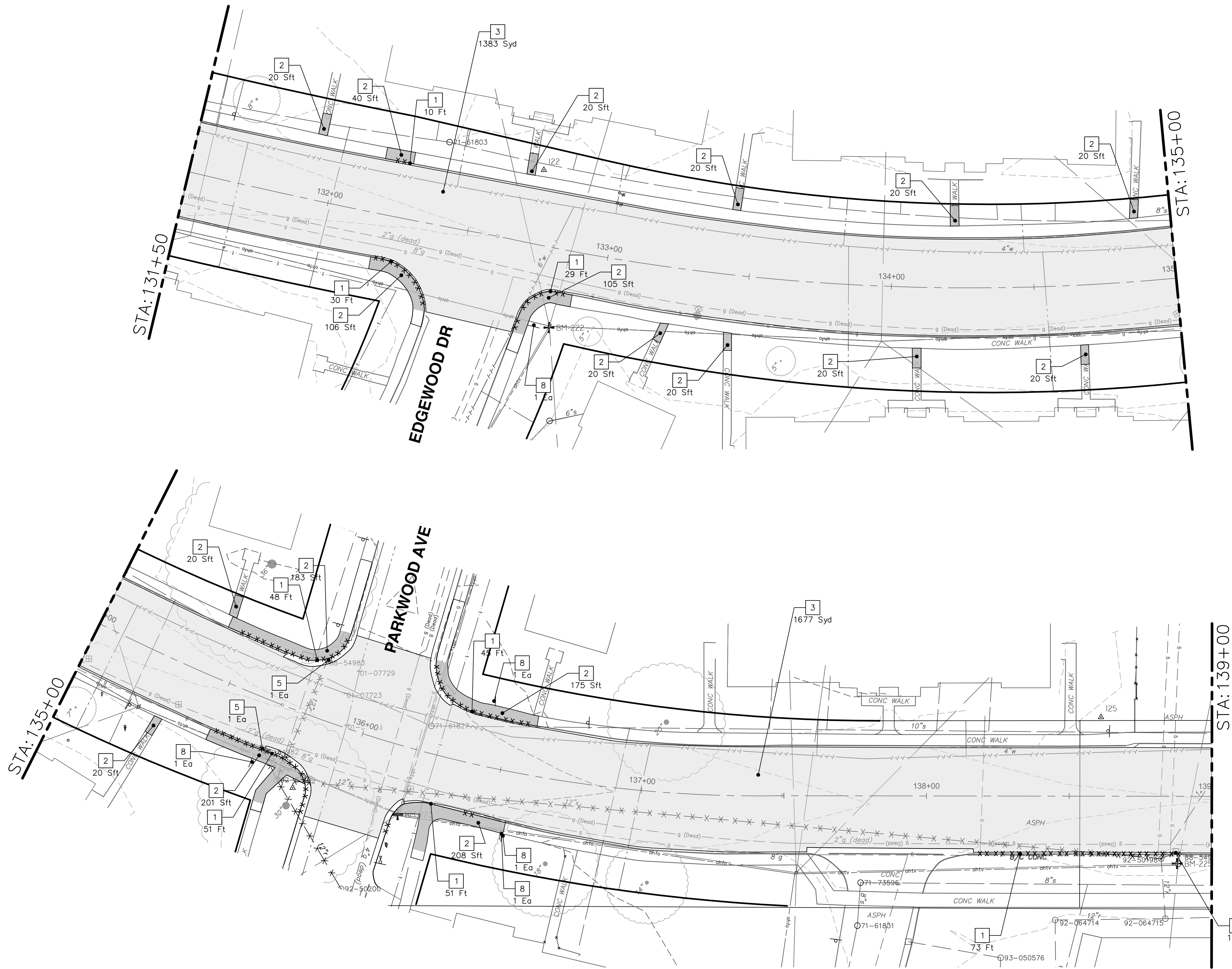
811
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REV.	DATE	DESCRIPTION	BY	CHECKED
00	12-19-2024	BID SET	SM	CE
		DRAWN	SM	CE

CITY OF ANN ARBOR
 PUBLIC SERVICES
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 ANN ARBOR, MI 48106-8647
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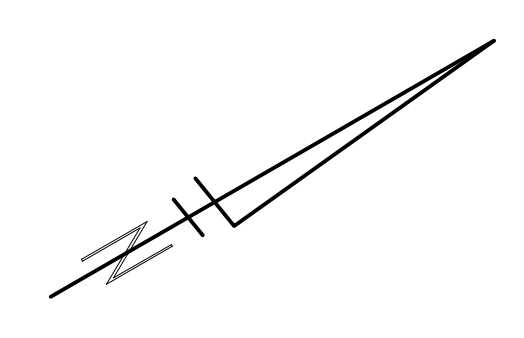
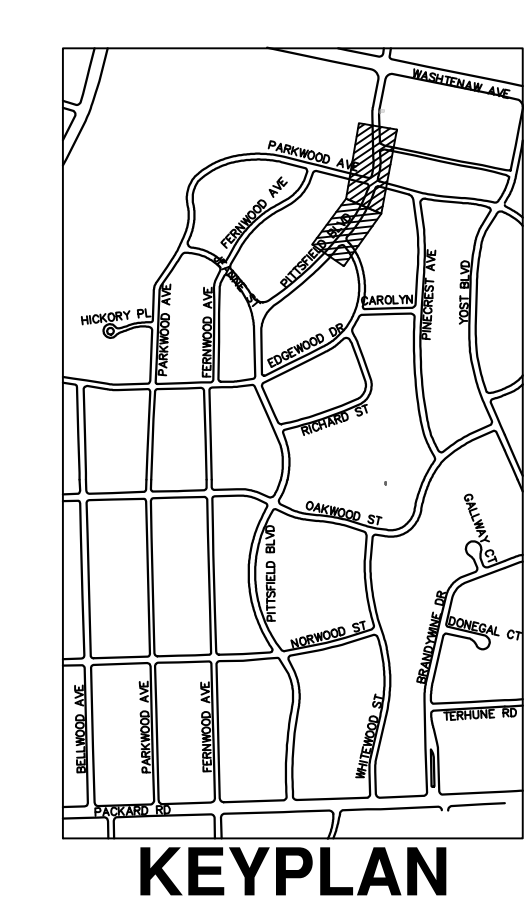
PITTSFIELD BOULEVARD



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).



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

SHEET No. 28 OF 161



CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48107-8647
 ANN ARBOR: 734-794-6410
 WWW.A2GOV.ORG

REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

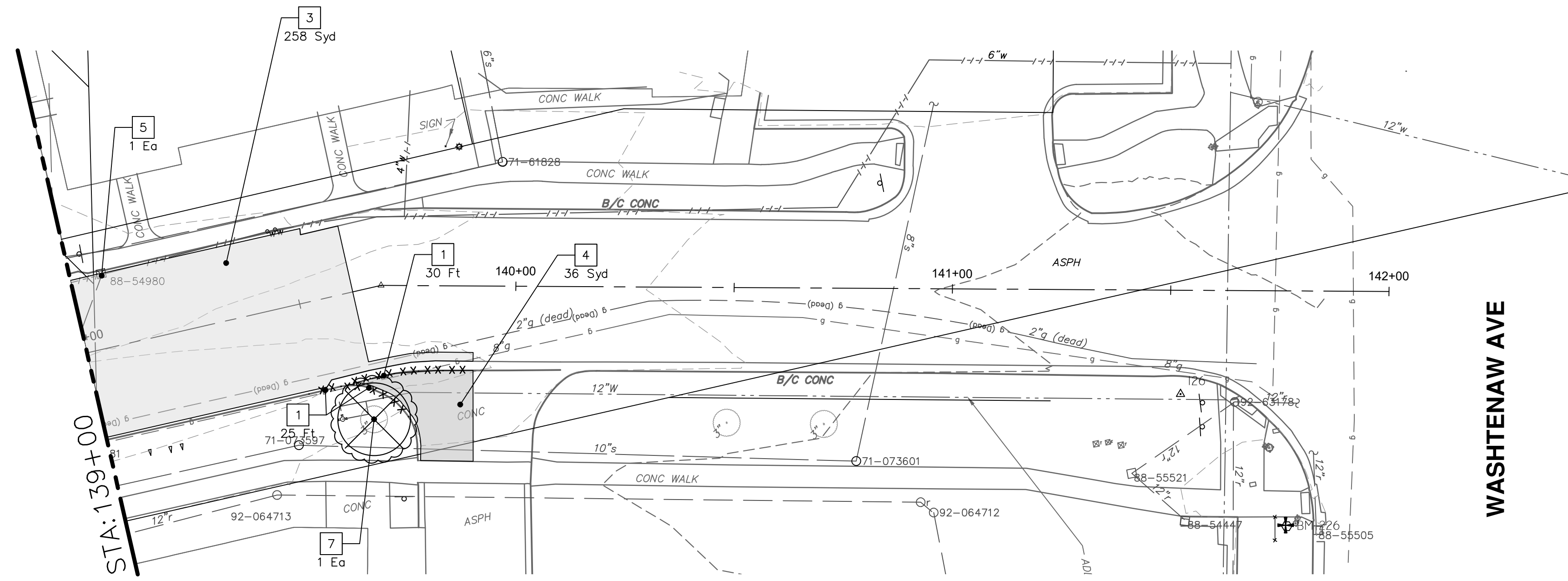


Know what's below.
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PITTSFIELD BOULEVARD

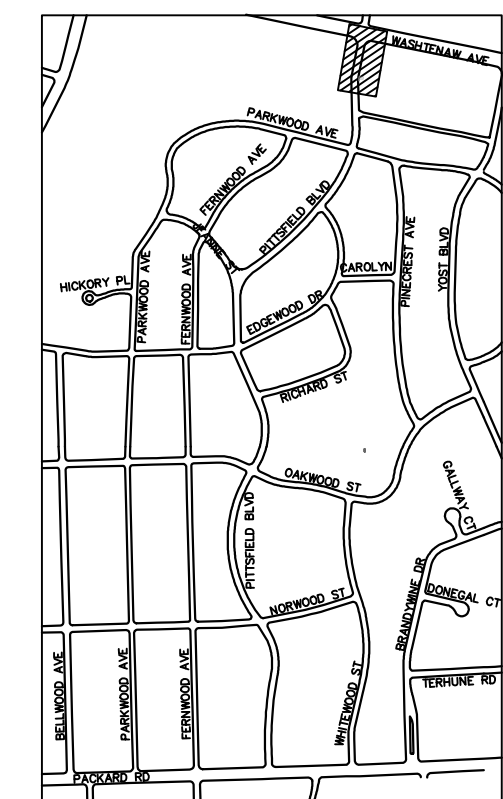
WASHTENAW AVE



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



KEYPLAN

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
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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)

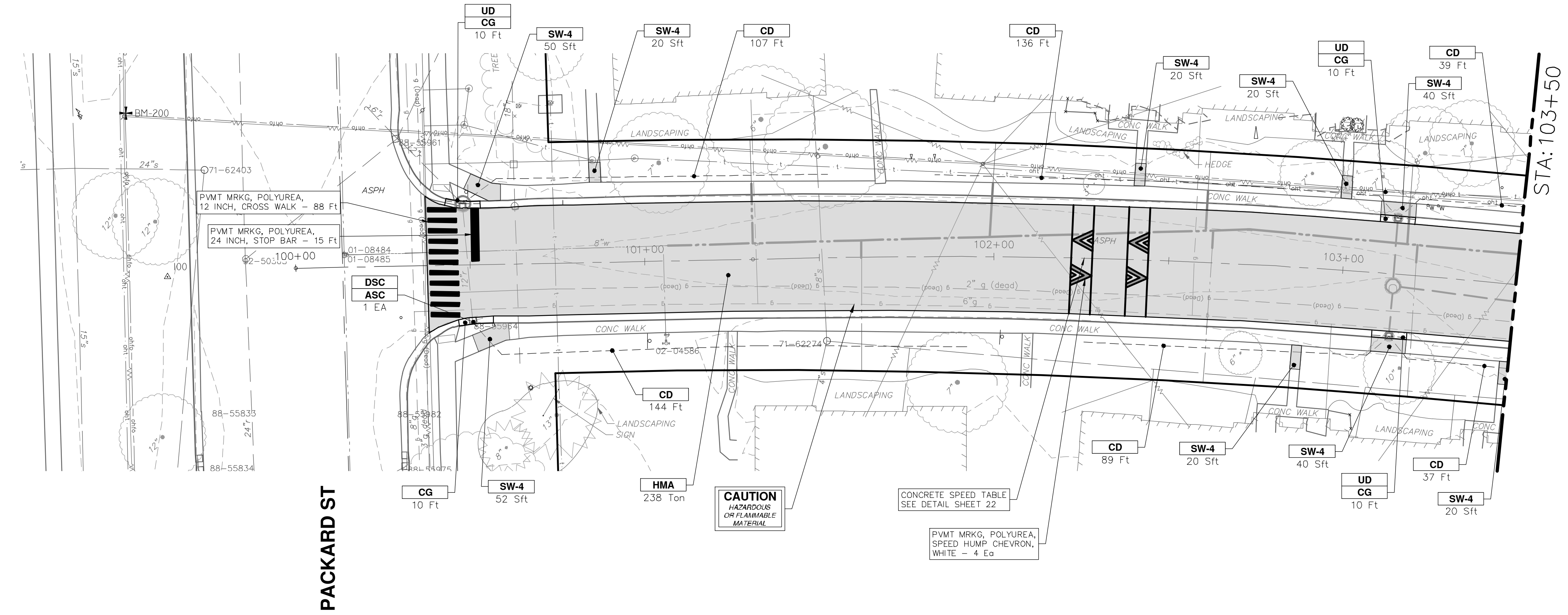
SCALE PLAN: 1" = 20'
DRAWING No. 2022-031-29
SHEET No. 29 OF 161

REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			



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PITTSFIELD BOULEVARD

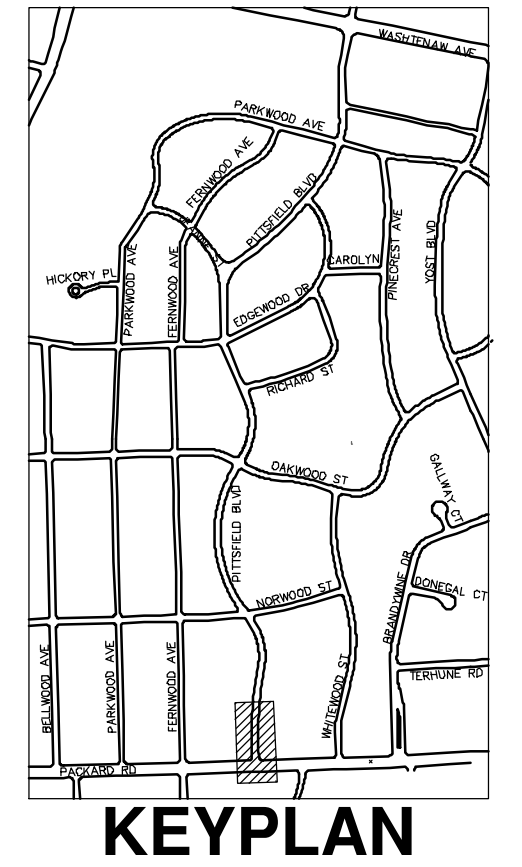
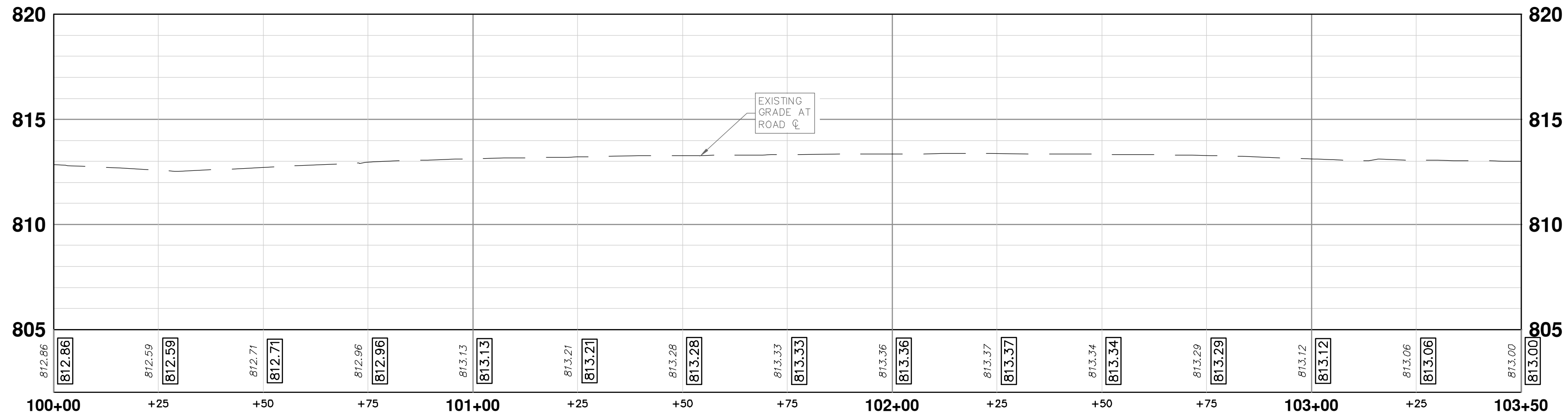


PACKARD ST

STA: 103+50



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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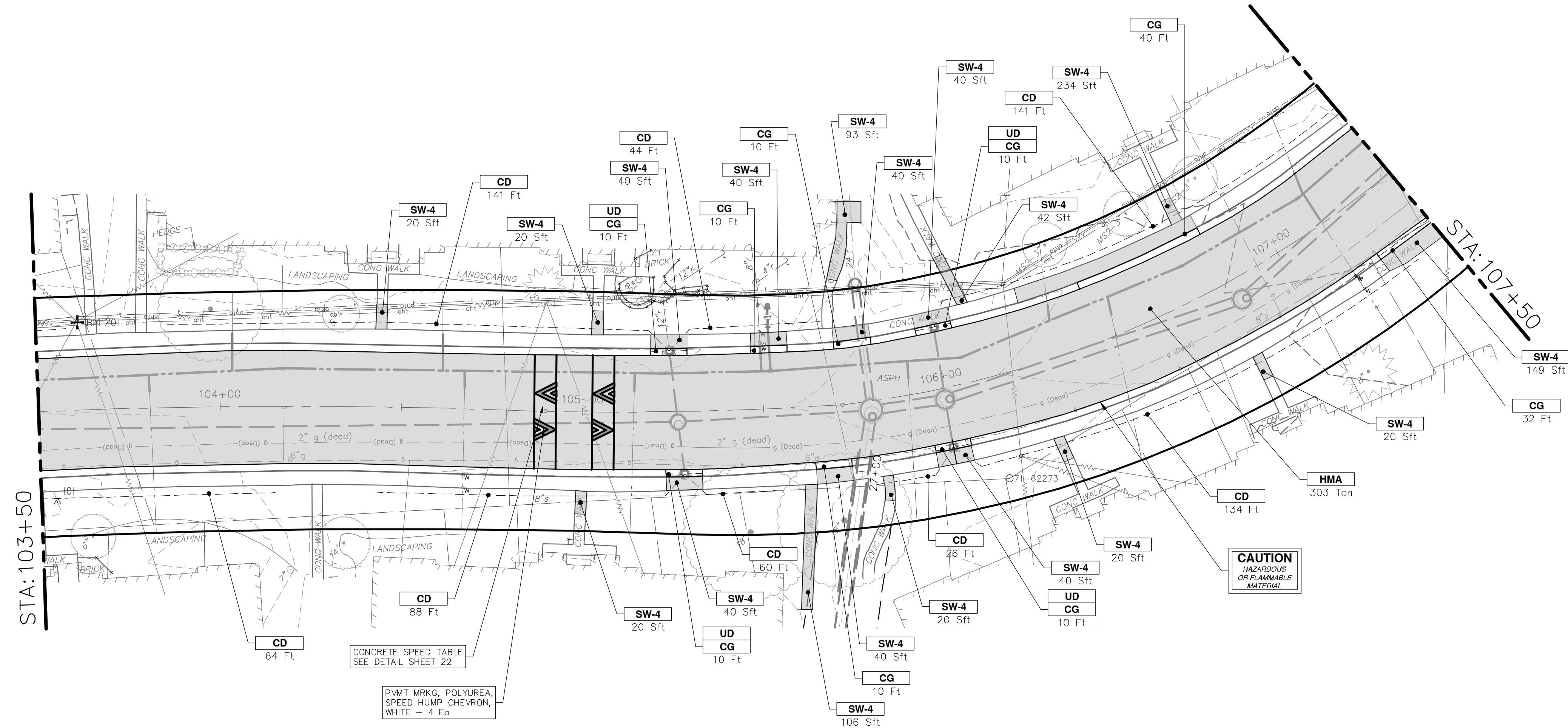
CITY OF ANN ARBOR
PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
ROAD PLAN (STA 100+00 TO STA 103+50)

SHEET No. 30 OF 161

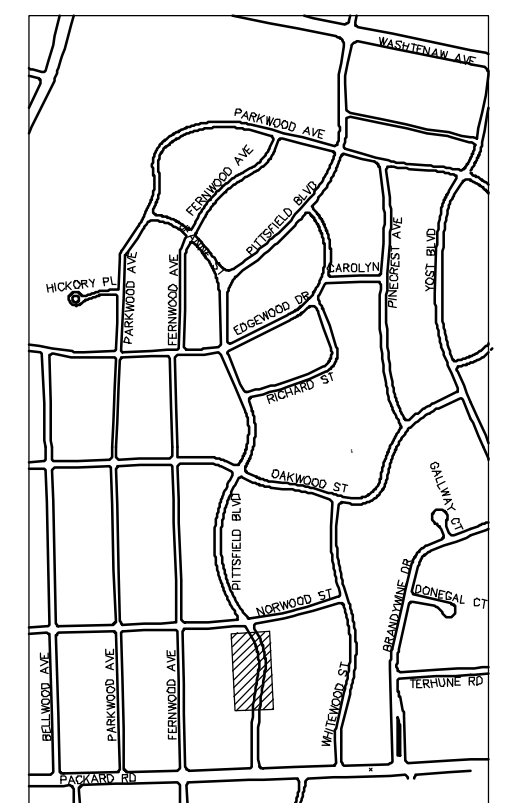
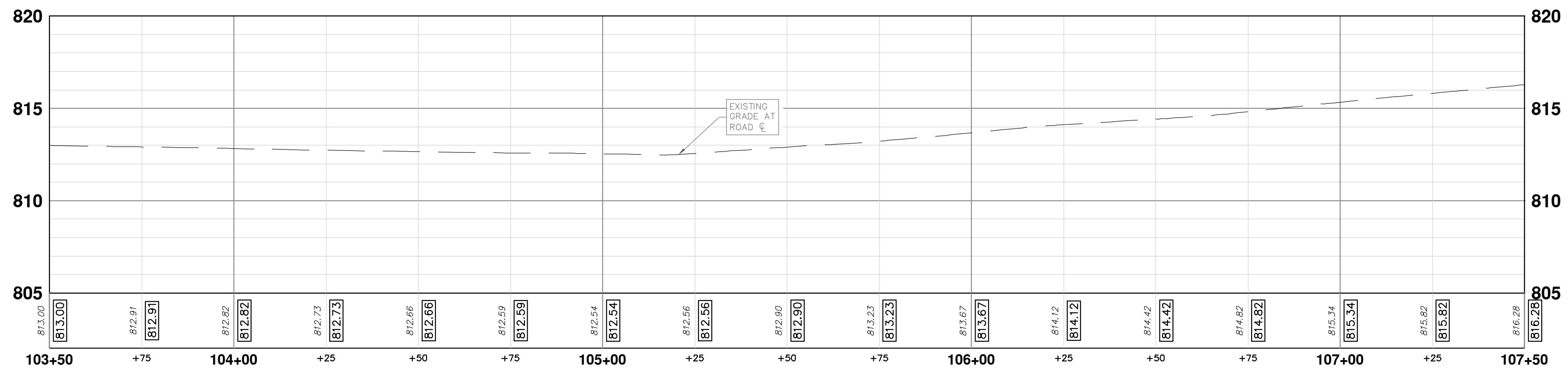
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-30

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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



REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE

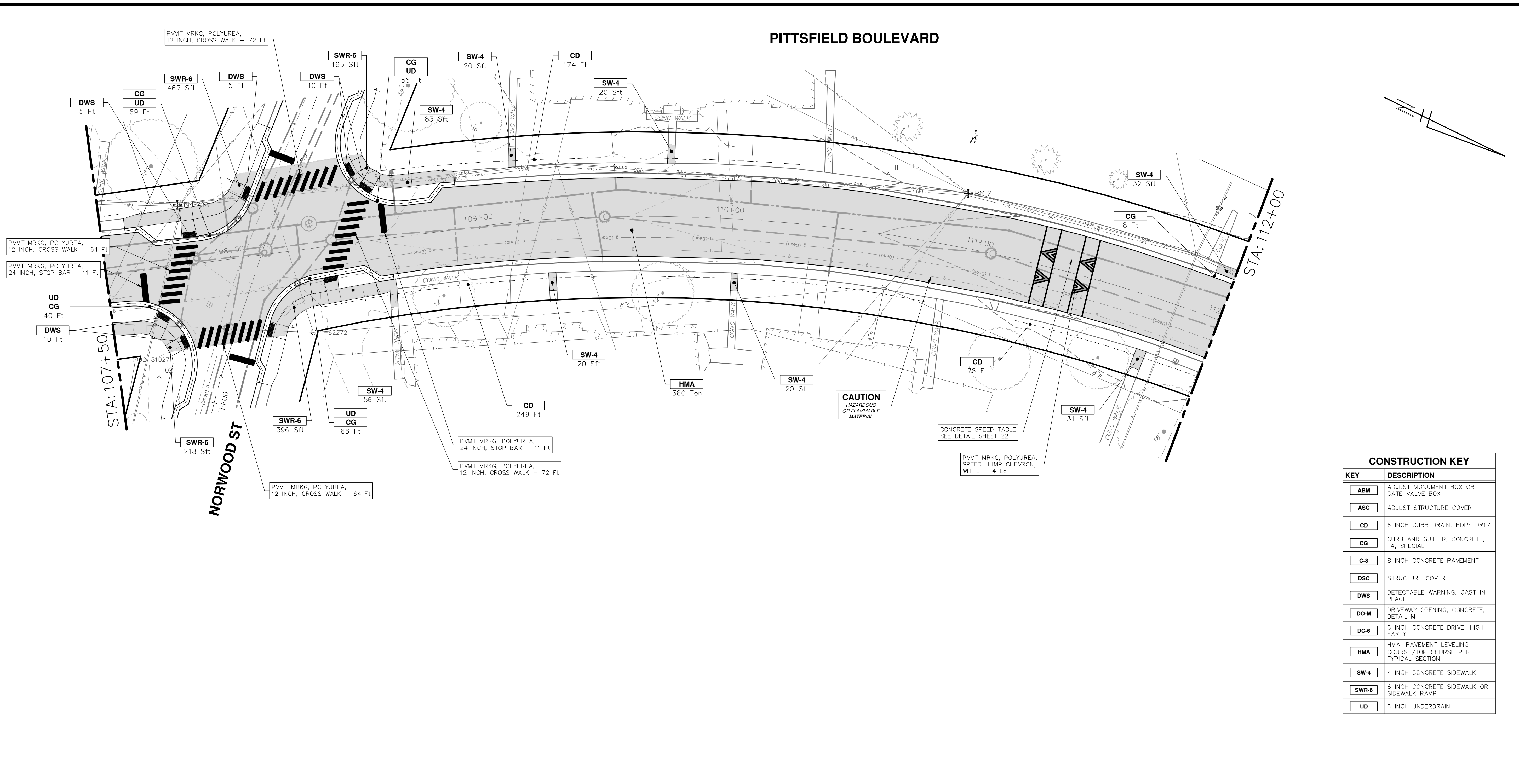
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PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
ROAD PLAN (STA 103+50 TO STA 107+50)

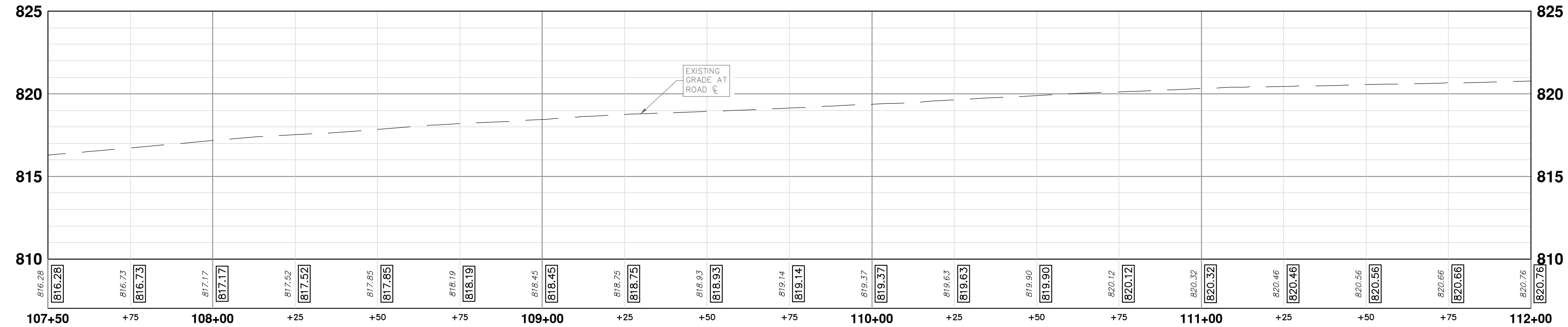
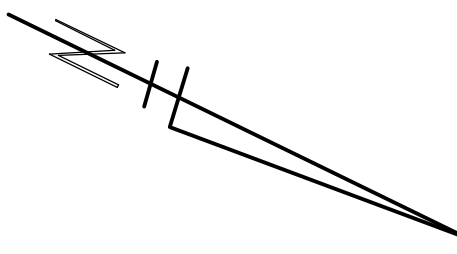
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PROFILE: 1" = 4'
DRAWING No. 2022-031-31

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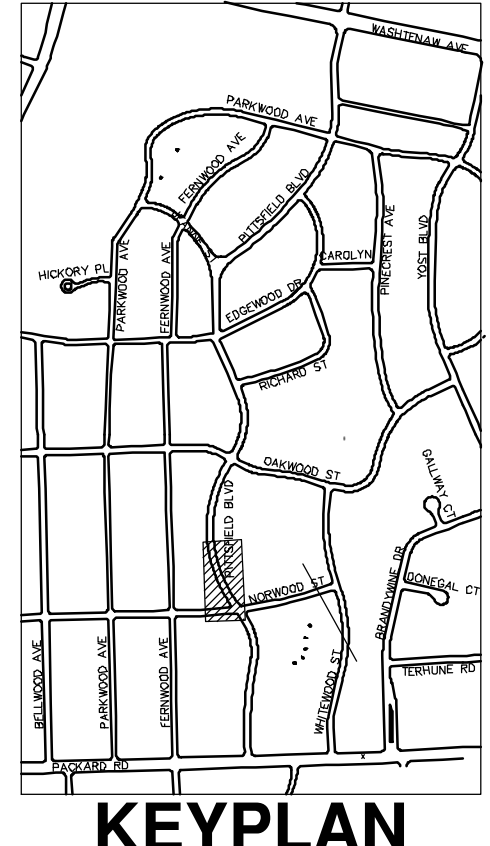


PITTSFIELD BOULEVARD

NORWOOD ST



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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PITTSFIELD VILLAGE IMPROVEMENTS

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

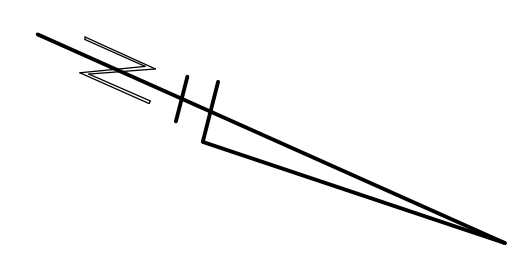
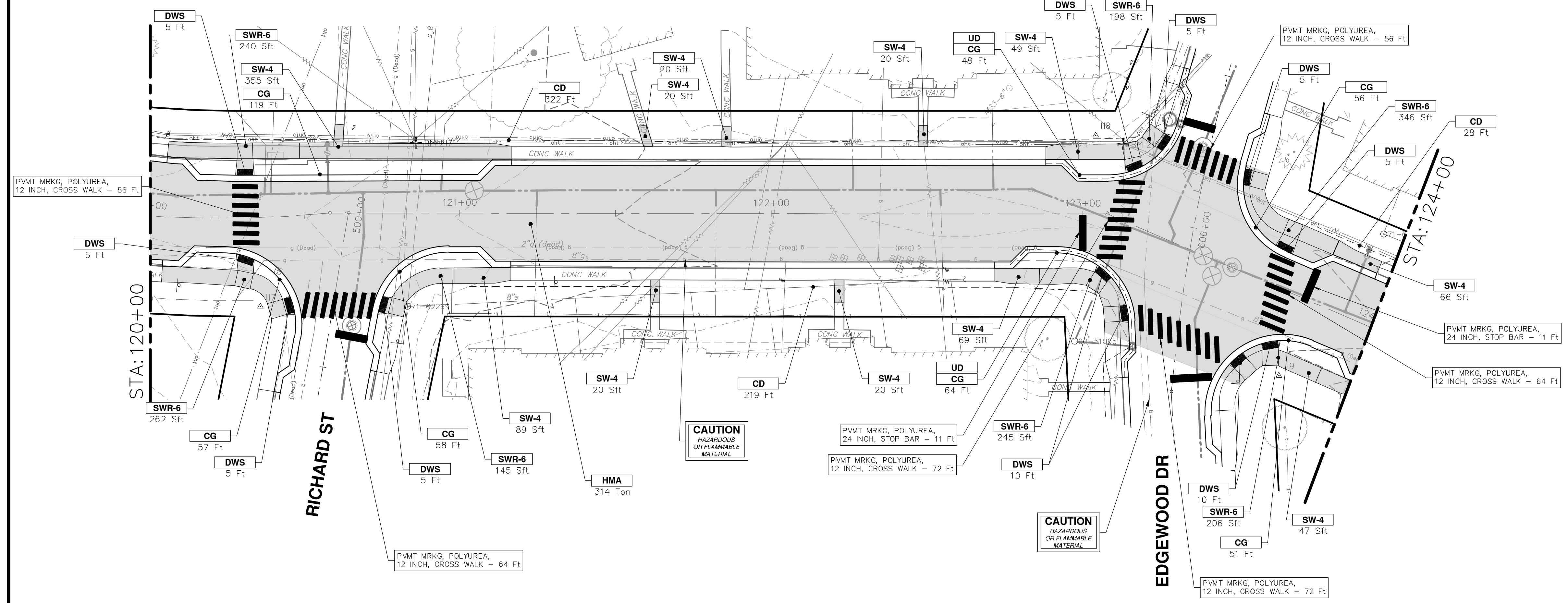
ROAD PLAN (STA 107+50 TO STA 112+00)

SHEET No. DRAWING No. 2022-031-32

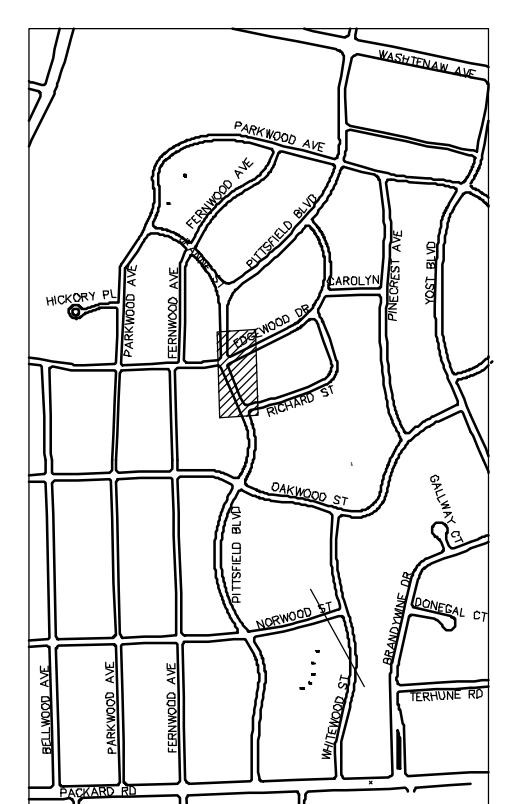
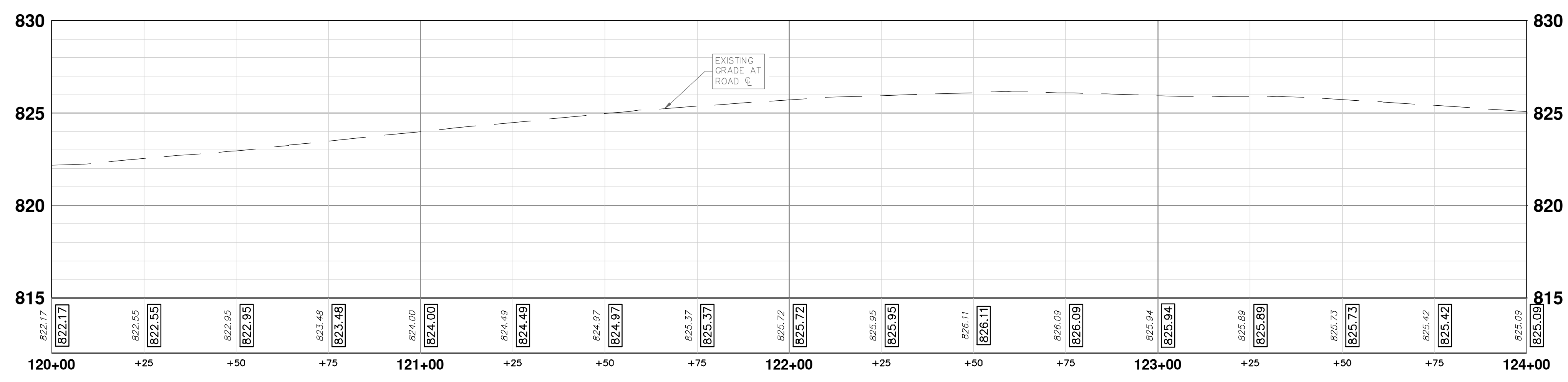
32 OF 161

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_CON.DWG Created: 17-Dec-24 - _02_standard bw.stb - Plot Date: 19-Dec-24

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



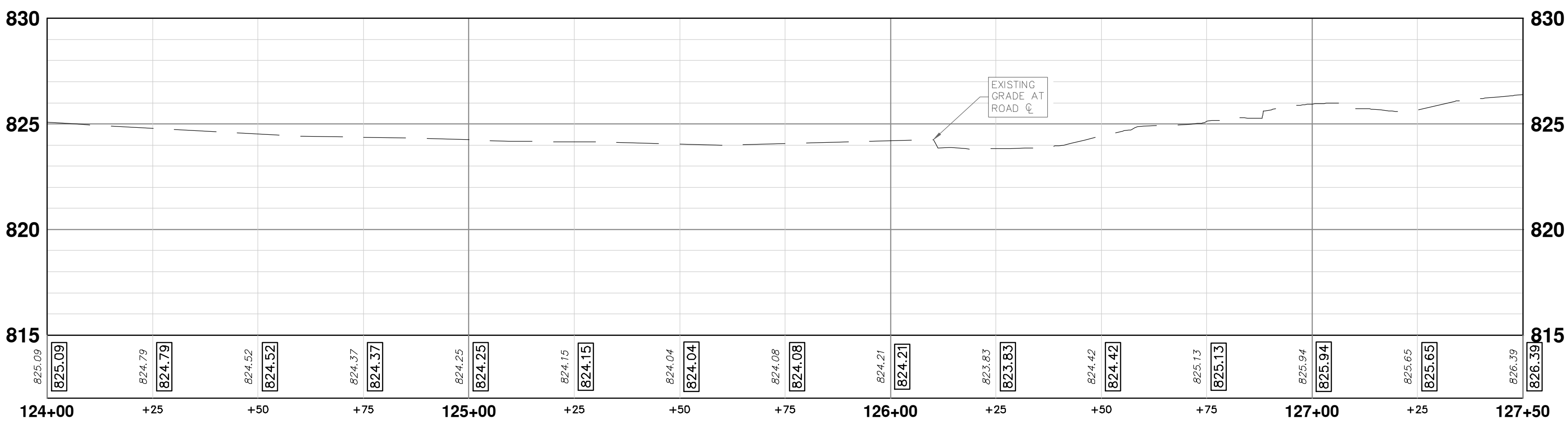
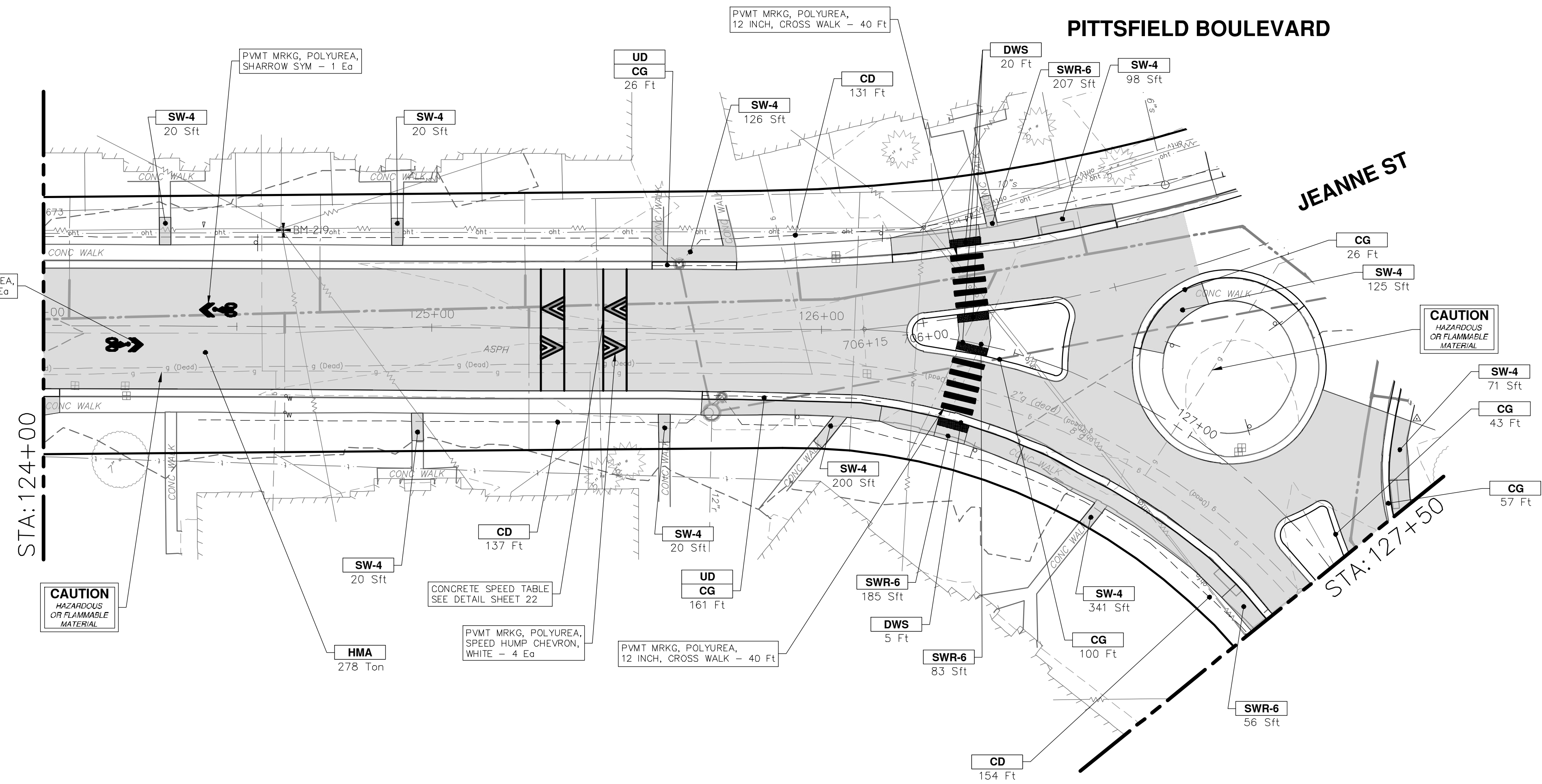
REV.	DESCRIPTION	DATE	BY	CHECKED
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PITTSFIELD VILLAGE IMPROVEMENTS
 PITTSFIELD BOULEVARD
 ROAD PLAN (STA 120+00 TO STA 124+00)

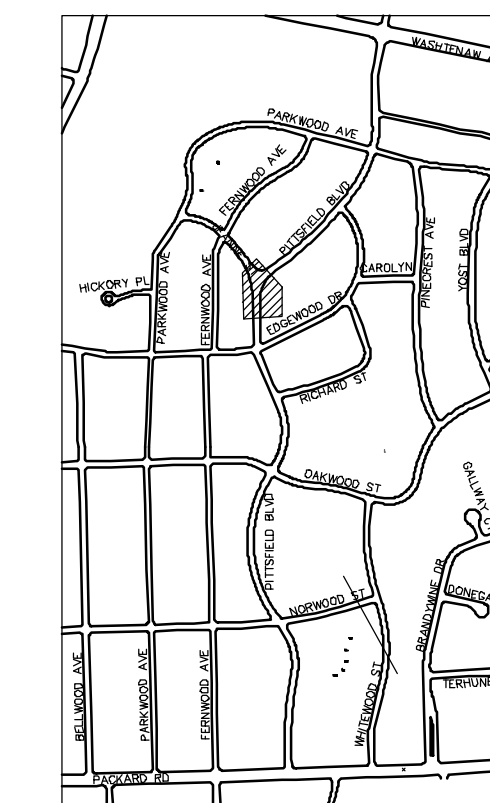
SHEET No. **35 OF 161**

SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'
 DRAWING No. **2022-031-35**

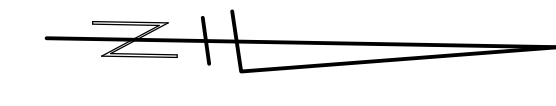
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CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, 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. DATE

CITY OF ANN ARBOR PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

ROAD PLAN (STA 124+00 TO STA 127+50)

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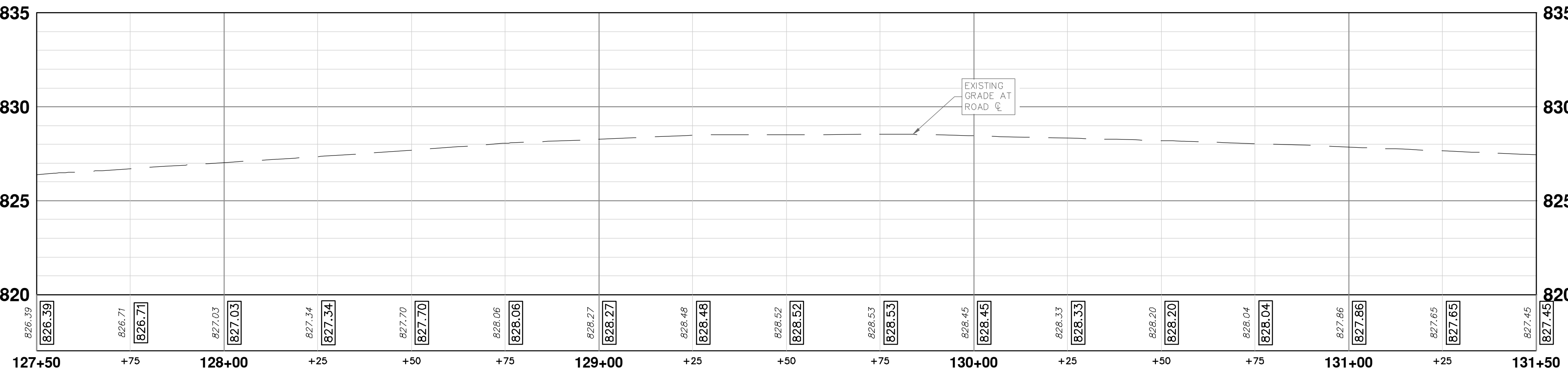
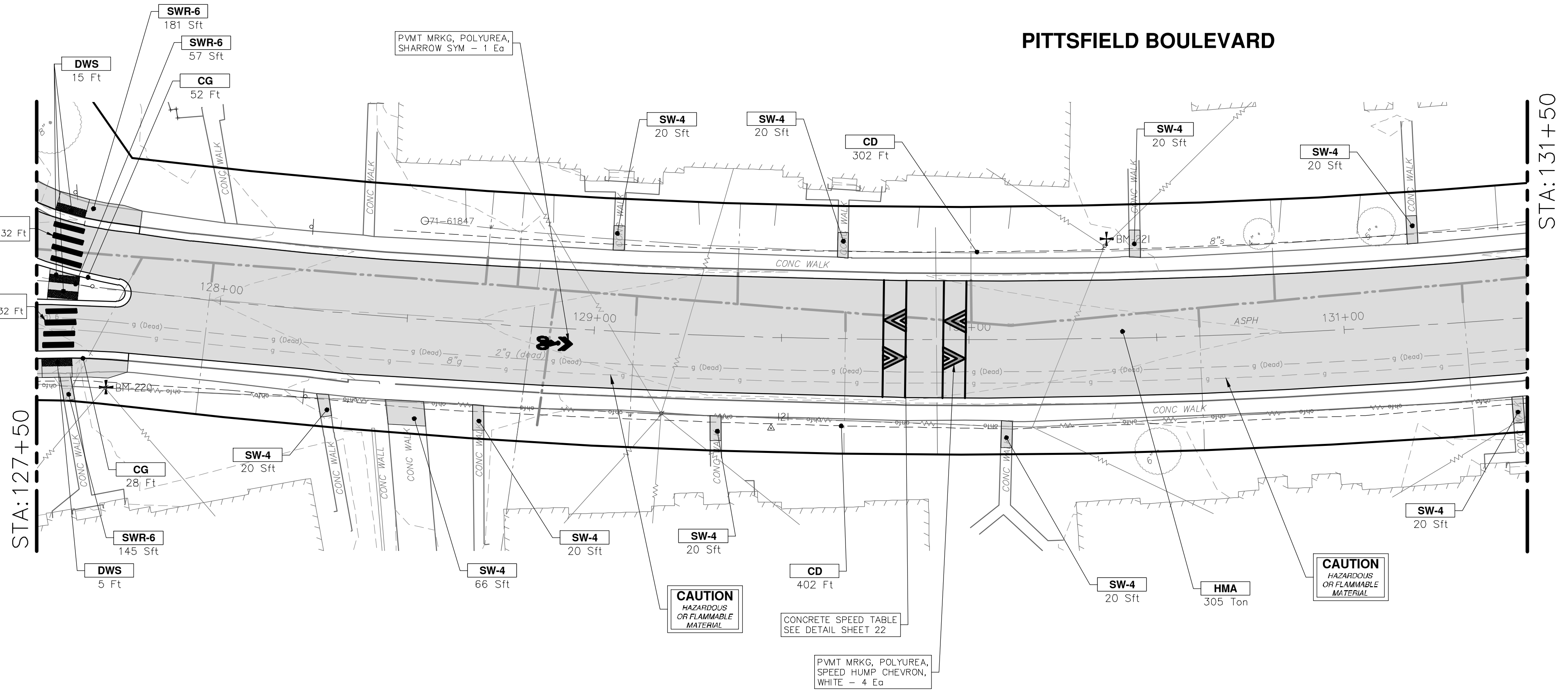
SHEET No. **36 OF 161**

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

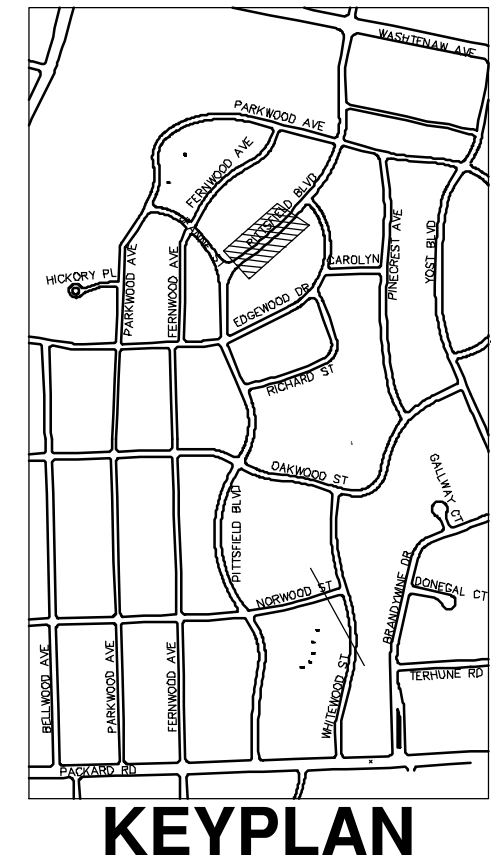
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PITTSFIELD BOULEVARD



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



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 161**

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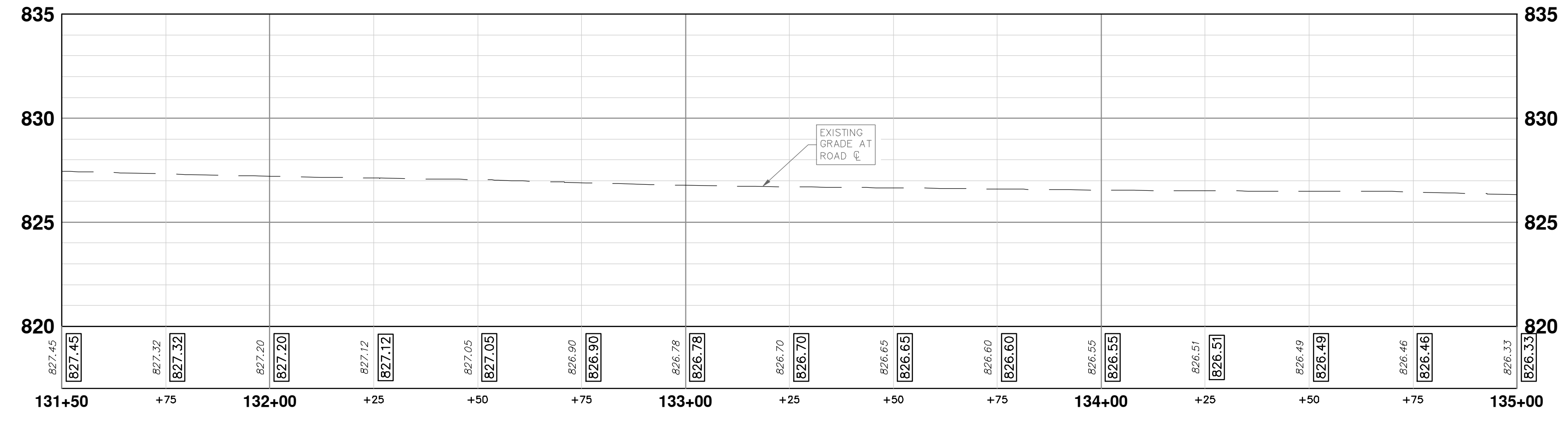
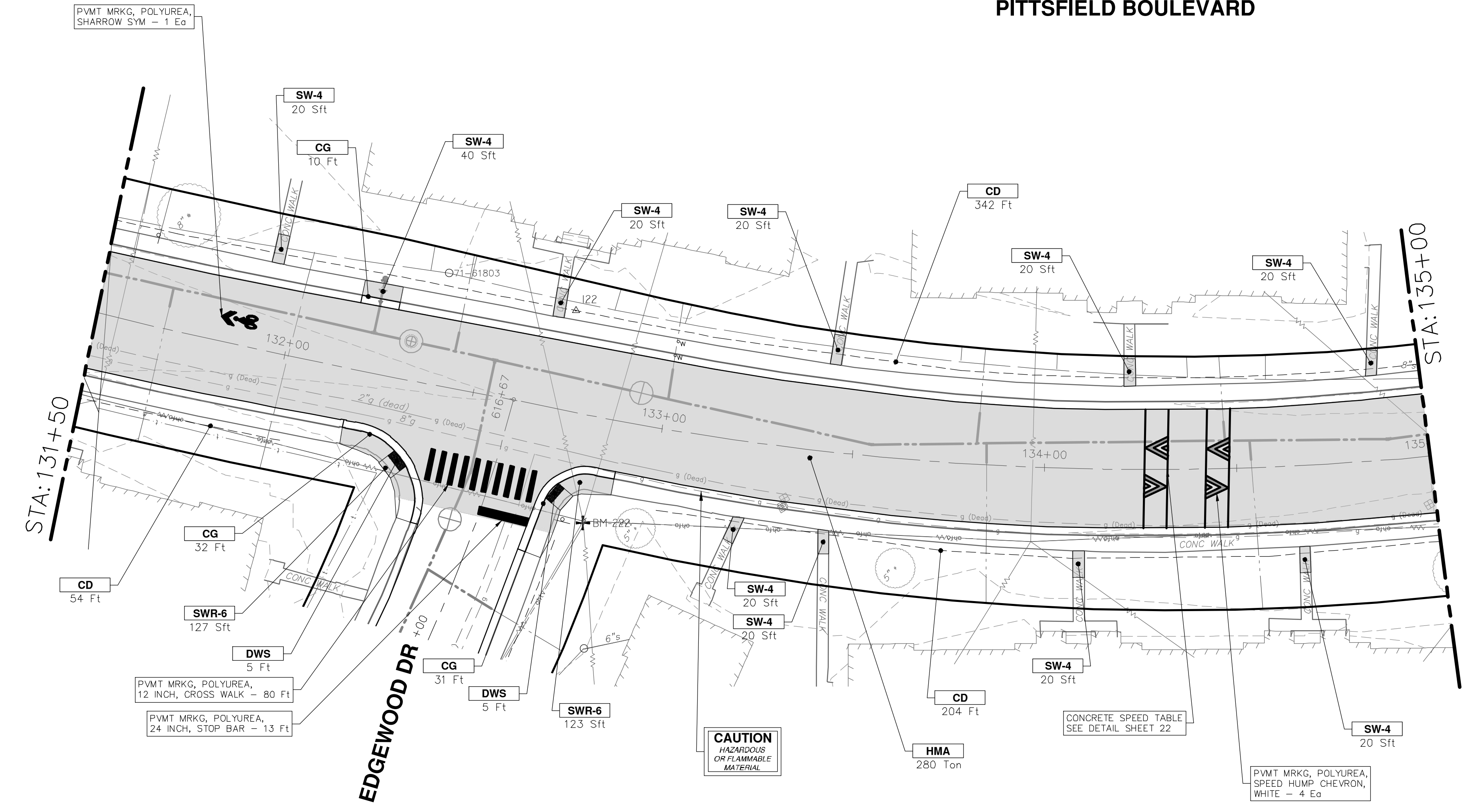
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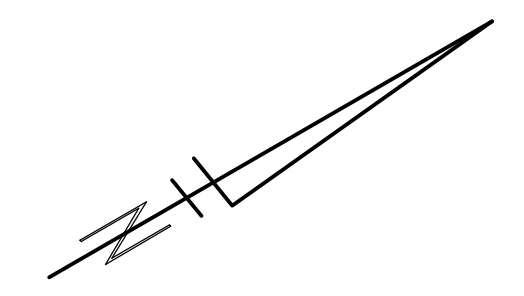
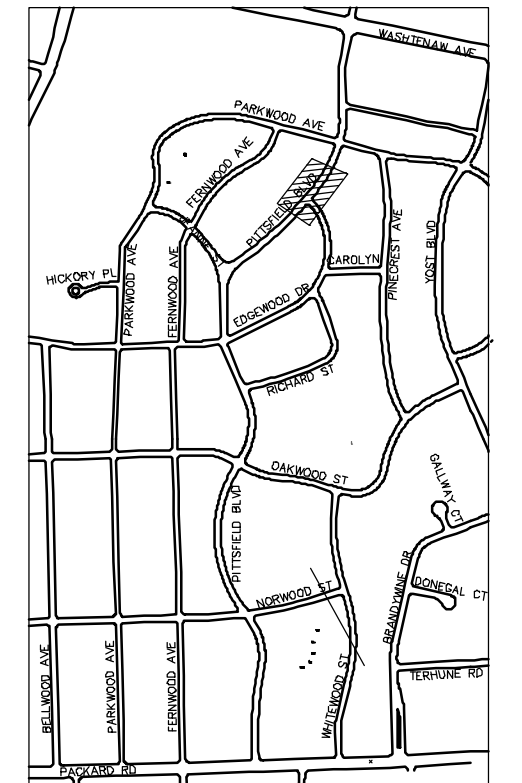
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P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050PITTSFIELD_CON (2).dwg Dwg Created: 17-Dec-24 - _62_standard bw.stb - Plot Date: 19-Dec-24

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



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 161**

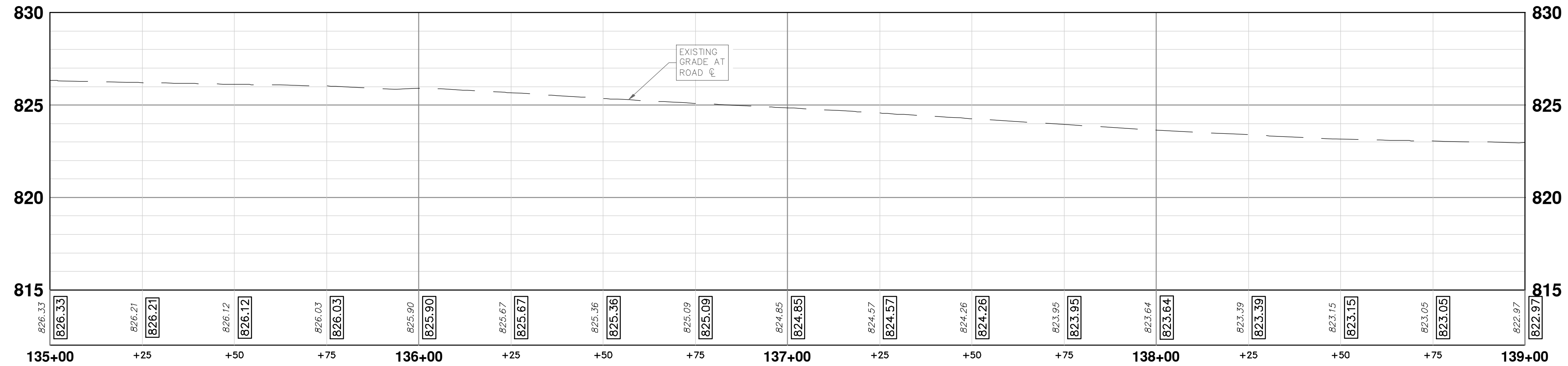
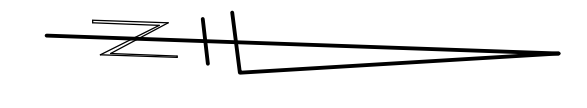
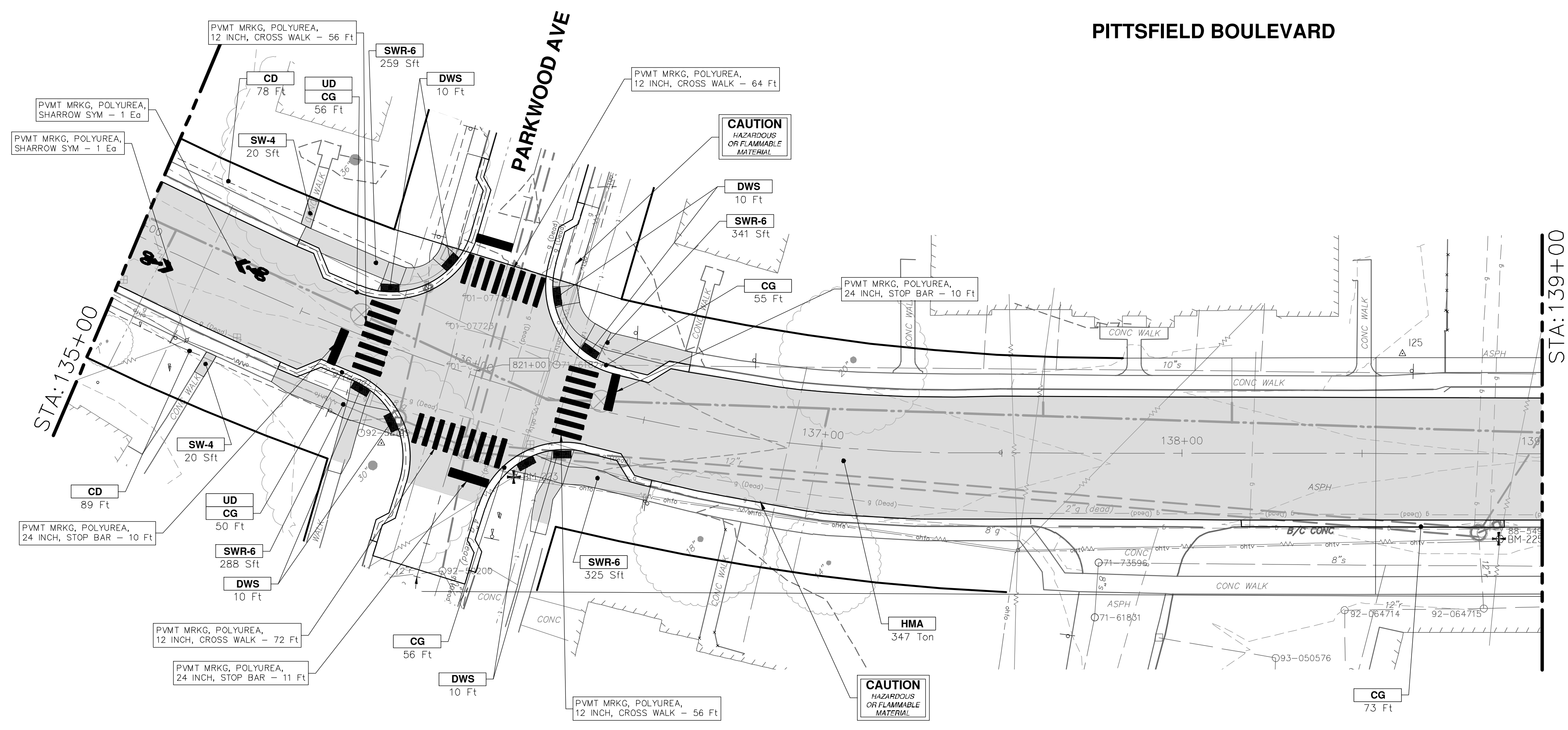
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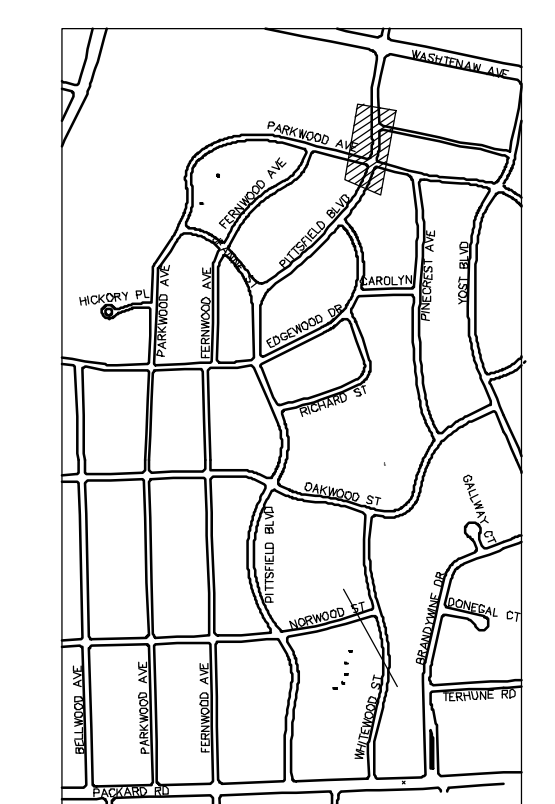
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PITTSFIELD BOULEVARD



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

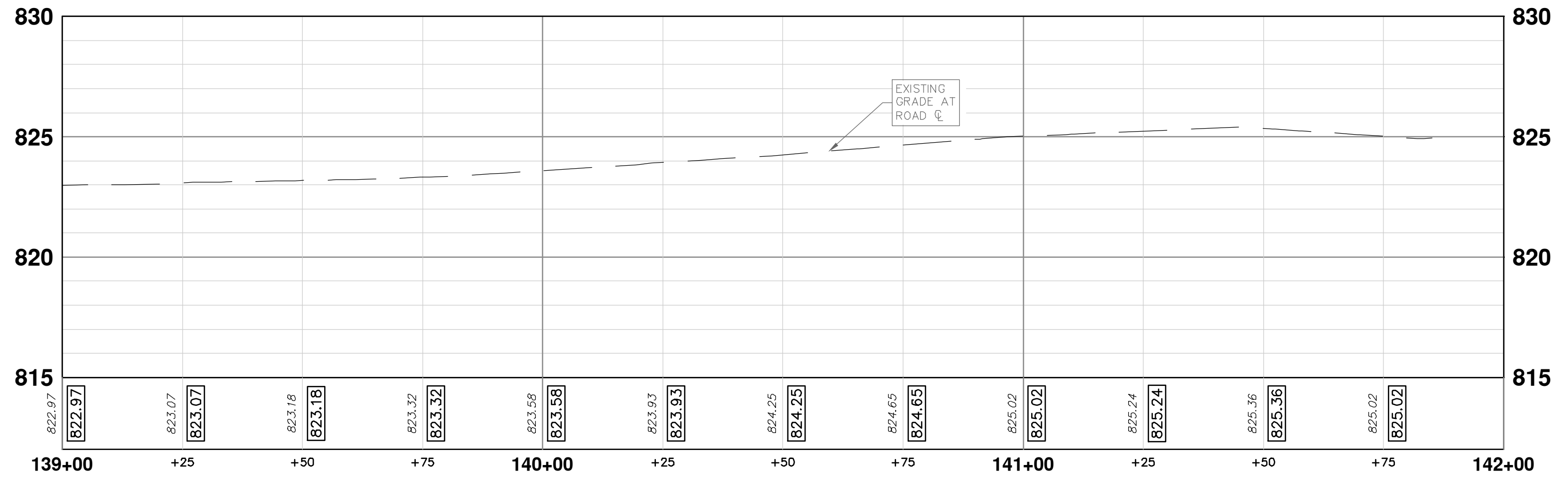
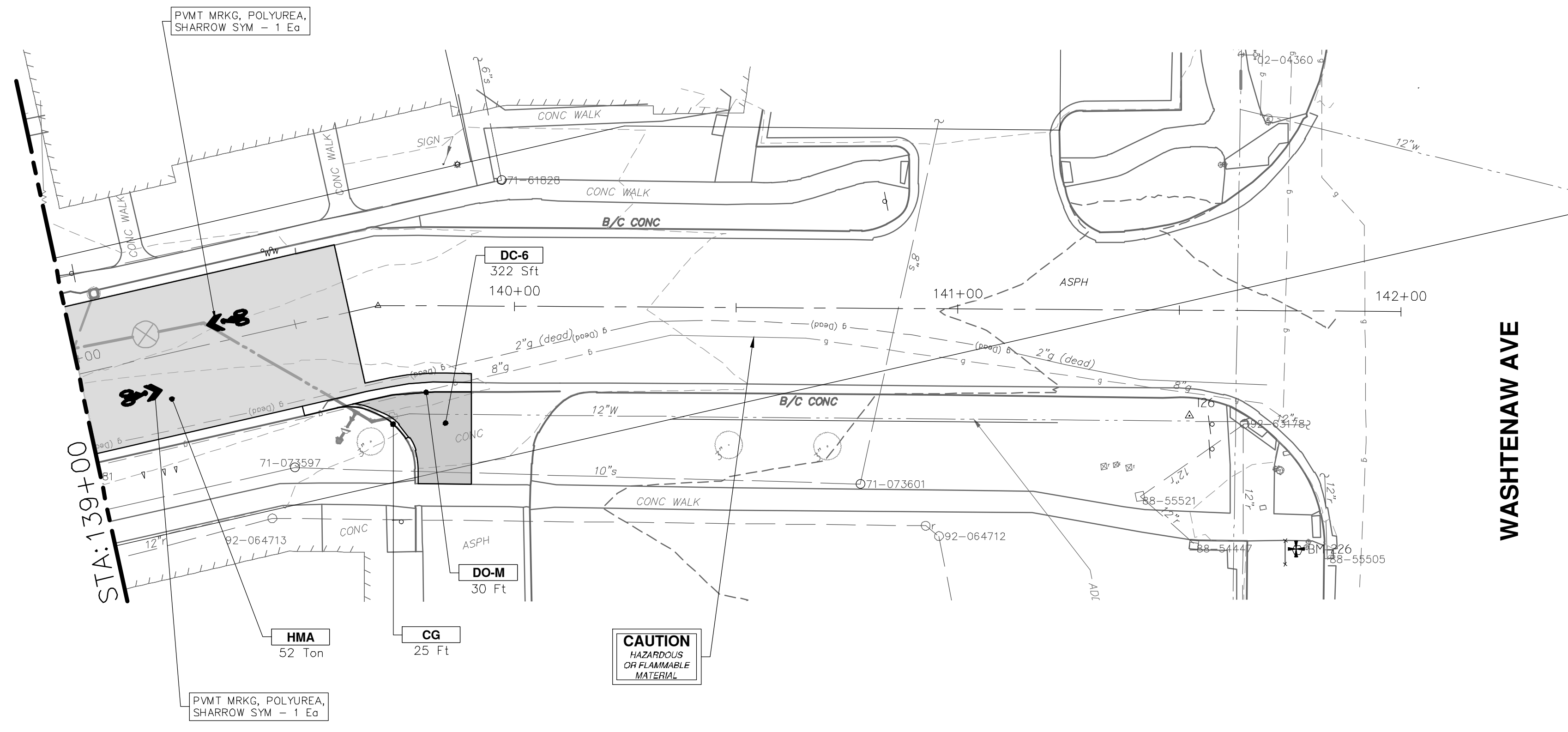
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 SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'
 DRAWING No. **2022-031-39**
 SHEET No. **39 OF 161**

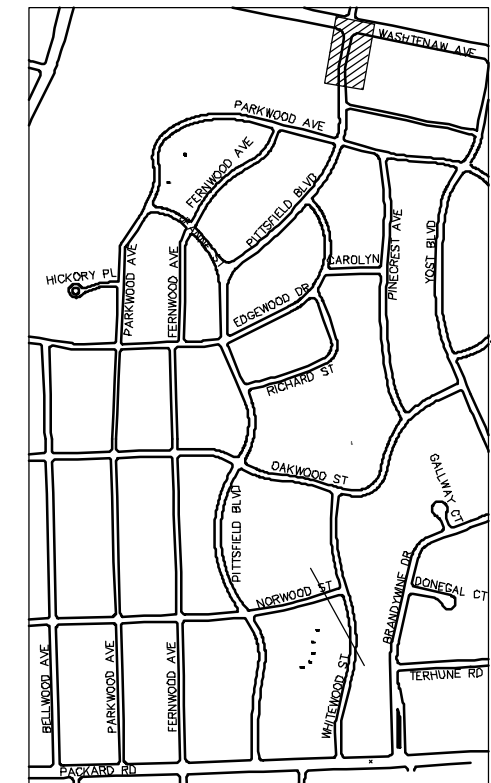
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PITTSFIELD BOULEVARD

WASHTENAW 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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS


PITTSFIELD BOULEVARD

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

SCALE 1" = 20'


DRAWING No. **2022-031-40**

SHEET No. **40 OF 161**



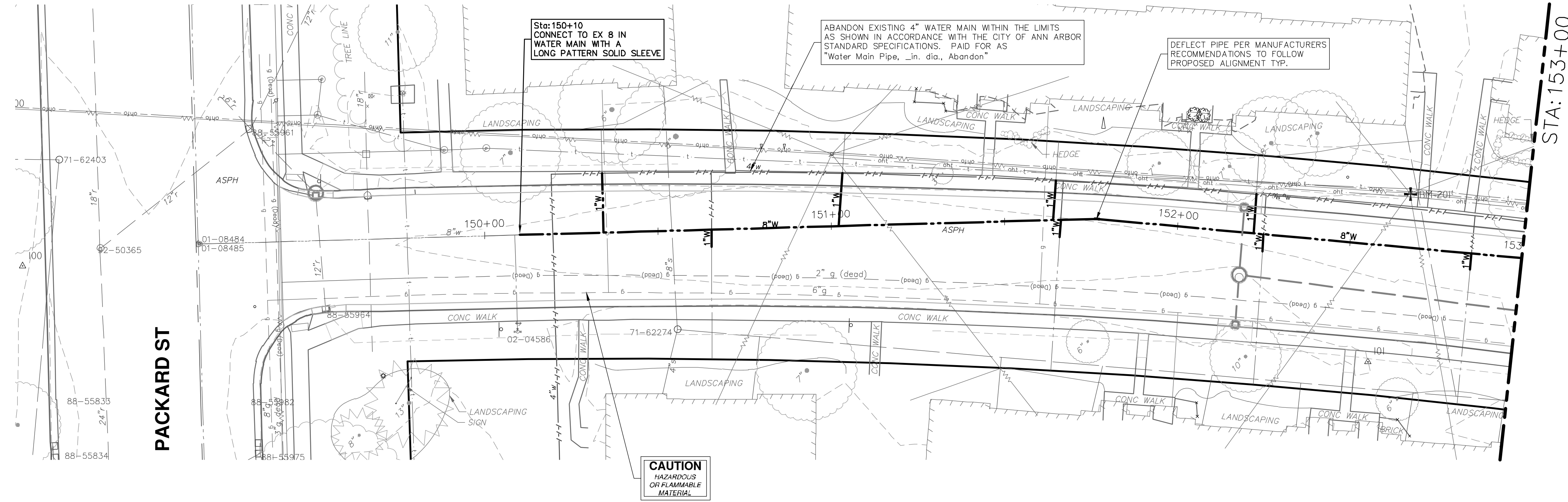
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REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			
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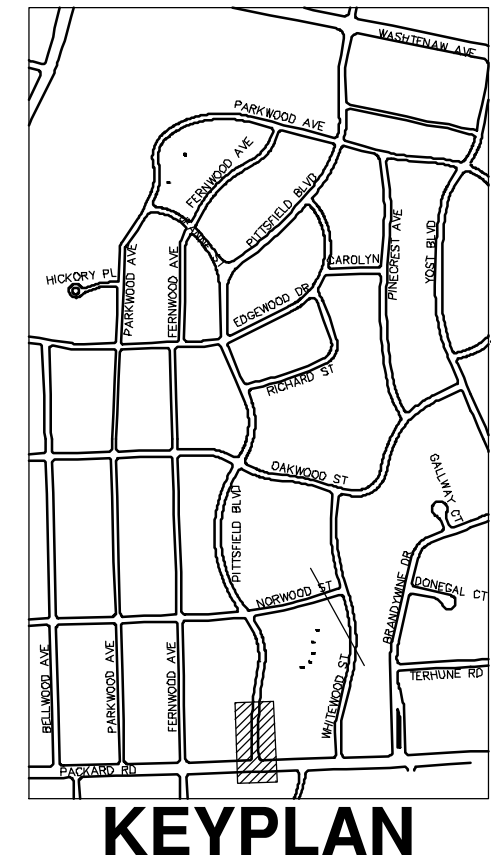
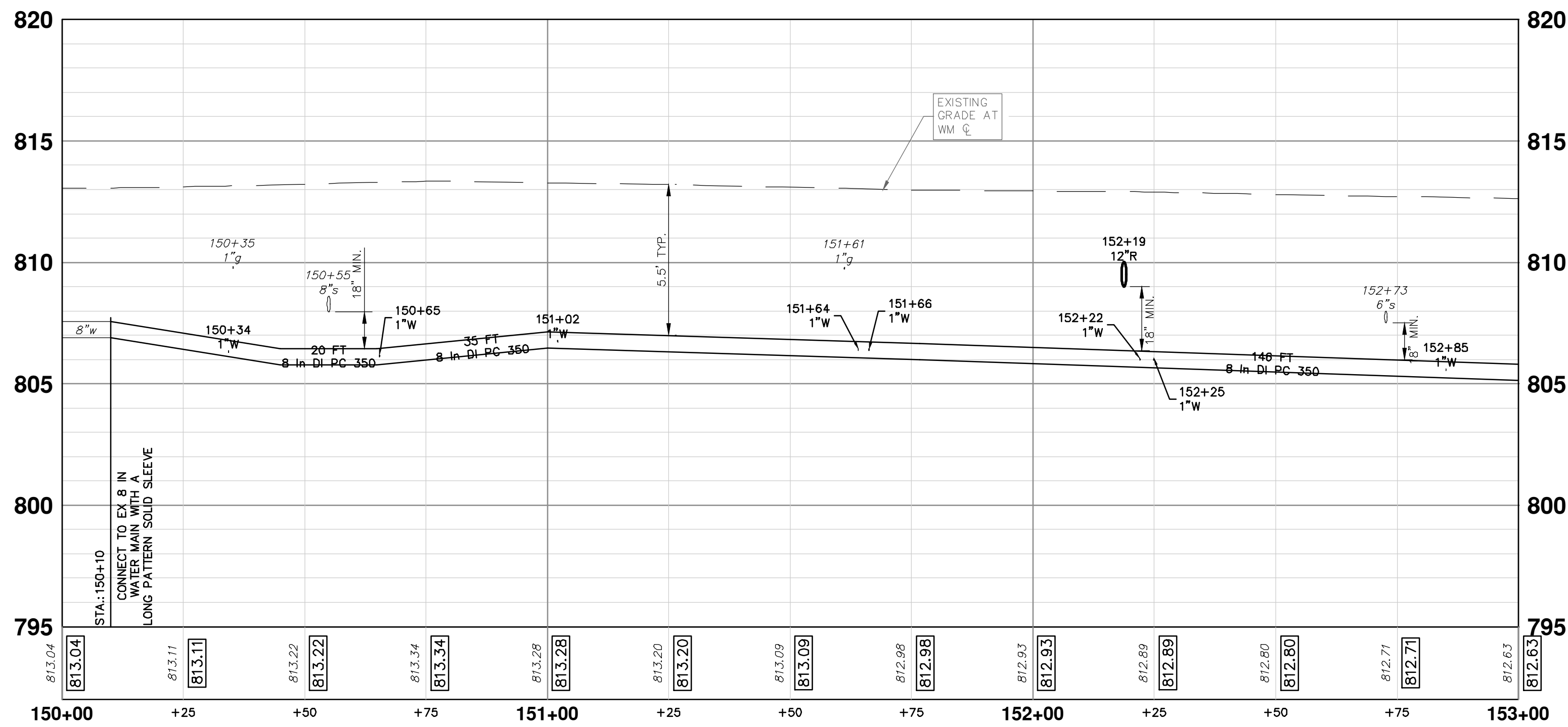
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PITTSFIELD BOULEVARD



WATER MAIN NOTES:

- 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".
- 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.
- 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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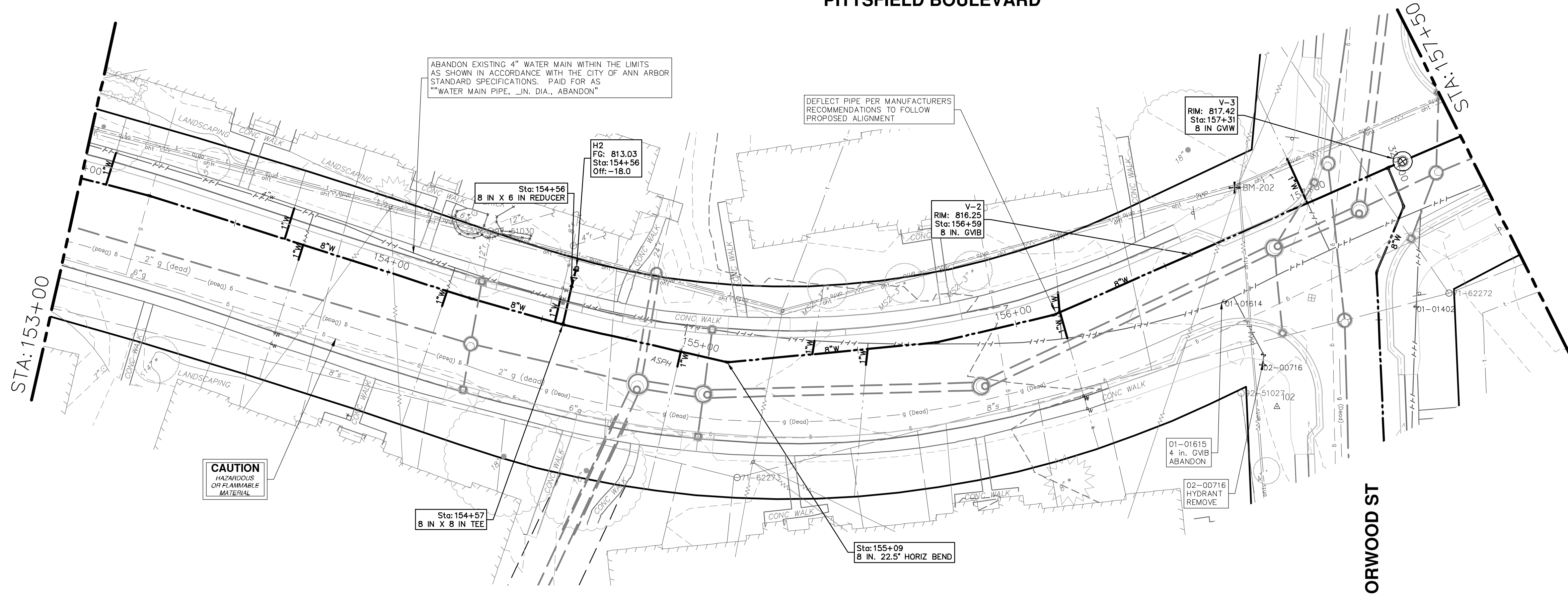
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
WATER MAIN PLAN (STA 150+00 TO STA 153+50)

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

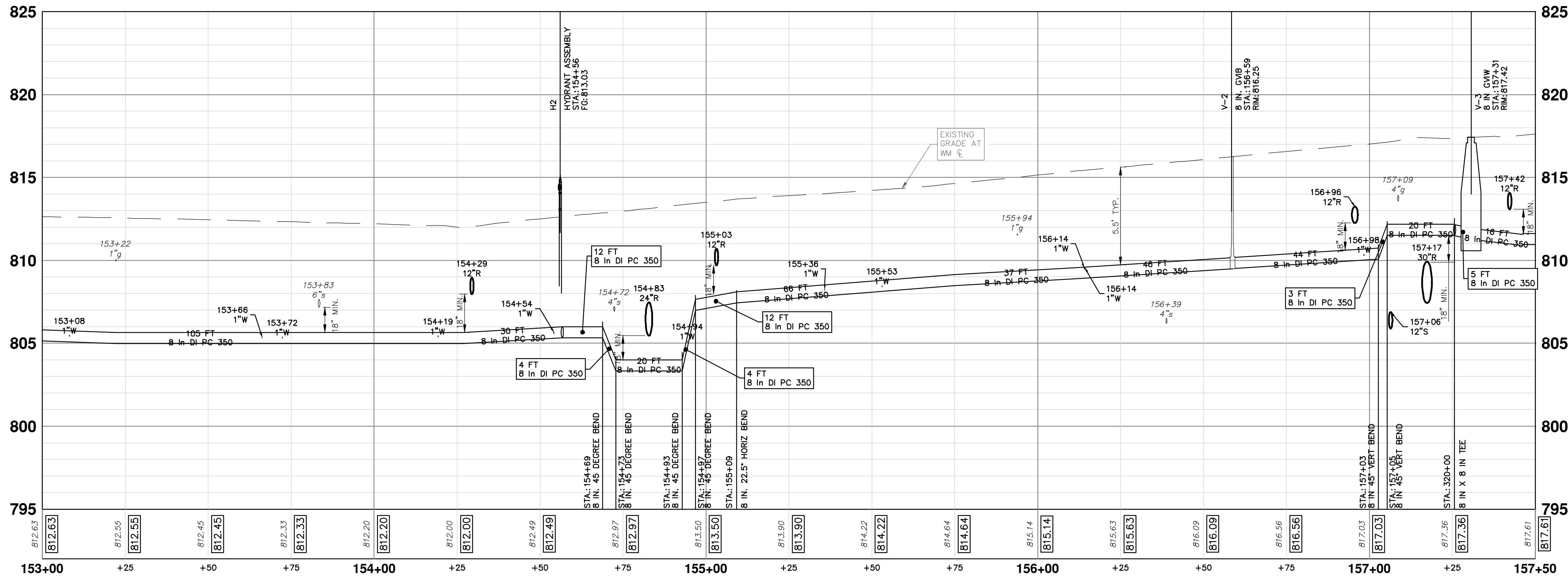
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SHEET No. 41 OF 161

PITTSFIELD BOULEVARD

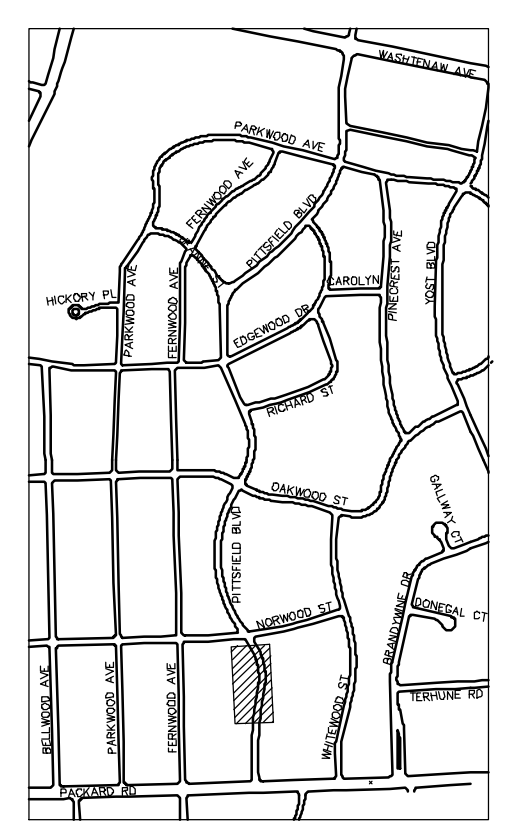



WATER MAIN NOTES:

- 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
H2	HYDRANT ASSEMBLY	154+56	813.03	6.63
V-2	8 in. GVIB	156+59	816.25	6.76
V-3	8 in GVIV	157+31	817.42	6.17





Know what's below.
Call before you dig.

REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE
				CHECKED



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
 PITTSFIELD BOULEVARD
 WATER MAIN PLAN (STA 153+50 TO STA 157+50)

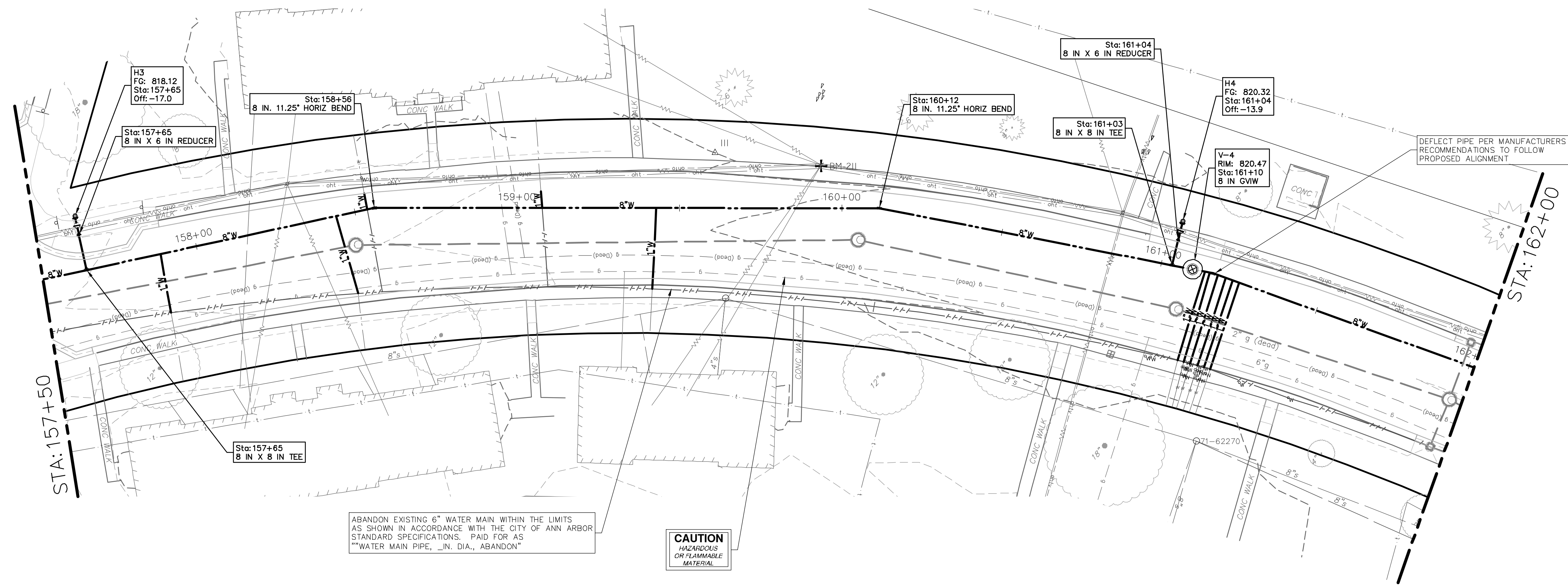
SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'

DRAWING No.
2022-031-42

SHEET No.
42 OF 161

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: 18-Dec-24

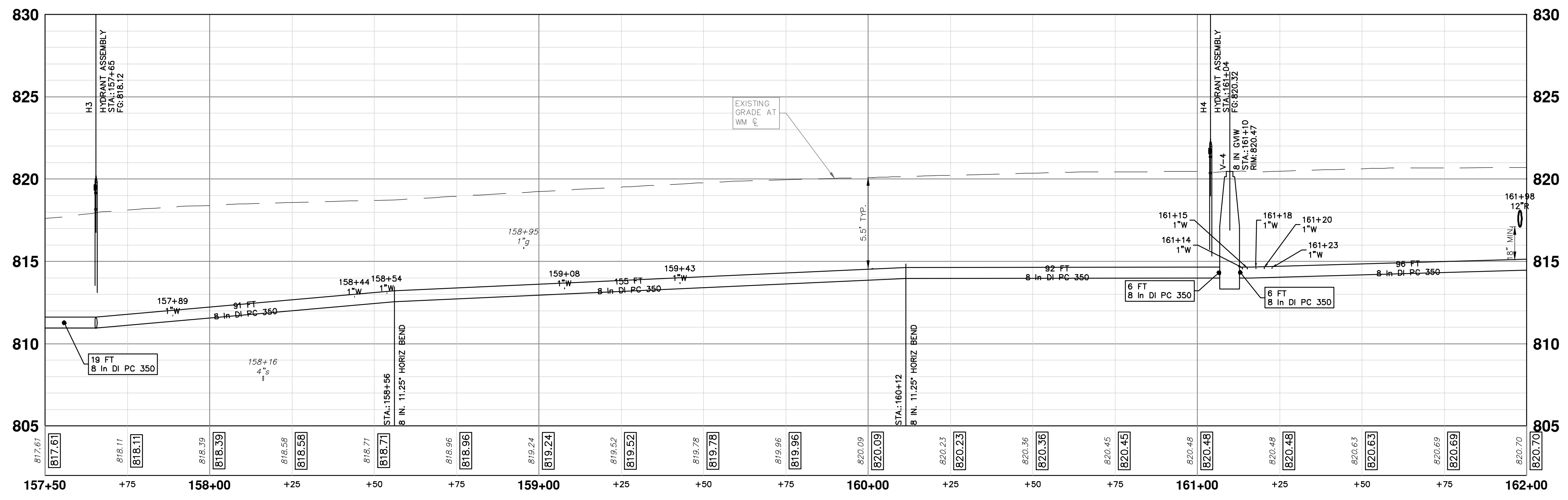
PITTSFIELD BOULEVARD



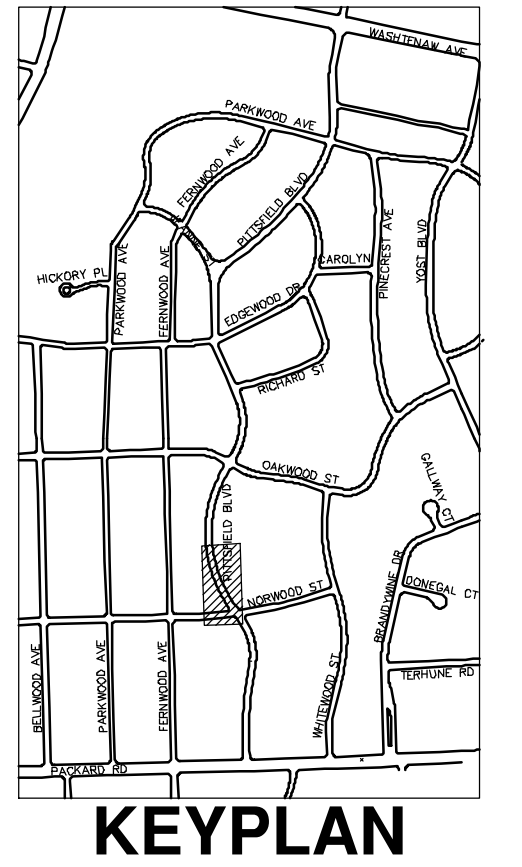
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 - THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

ABANDON EXISTING 6" 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"

CAUTION
HAZARDOUS OR FLAMMABLE MATERIAL



WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
H3	HYDRANT ASSEMBLY	157+65	818.12	6.36
H4	HYDRANT ASSEMBLY	161+04	820.32	6.19
V-4	8 in GVW	161+10	820.47	6.49



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 161

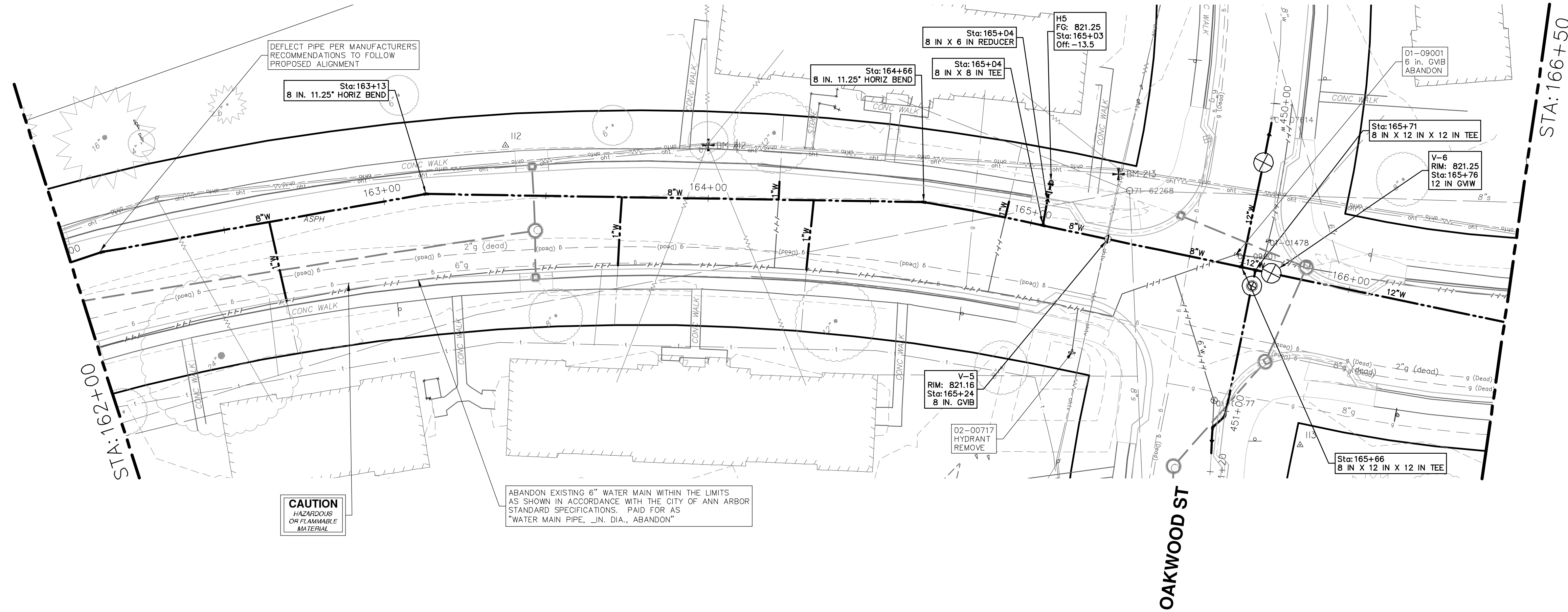
Know what's below.
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REV.	DESCRIPTION	DATE	BY	CE
00	BID SET	12-19-2024	SM	CE
	DRAWN			
	CHECKED			

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
ANN ARBOR FAX 810-960-8647
734-794-4410
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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: 18-Dec-24

PITTSFIELD BOULEVARD

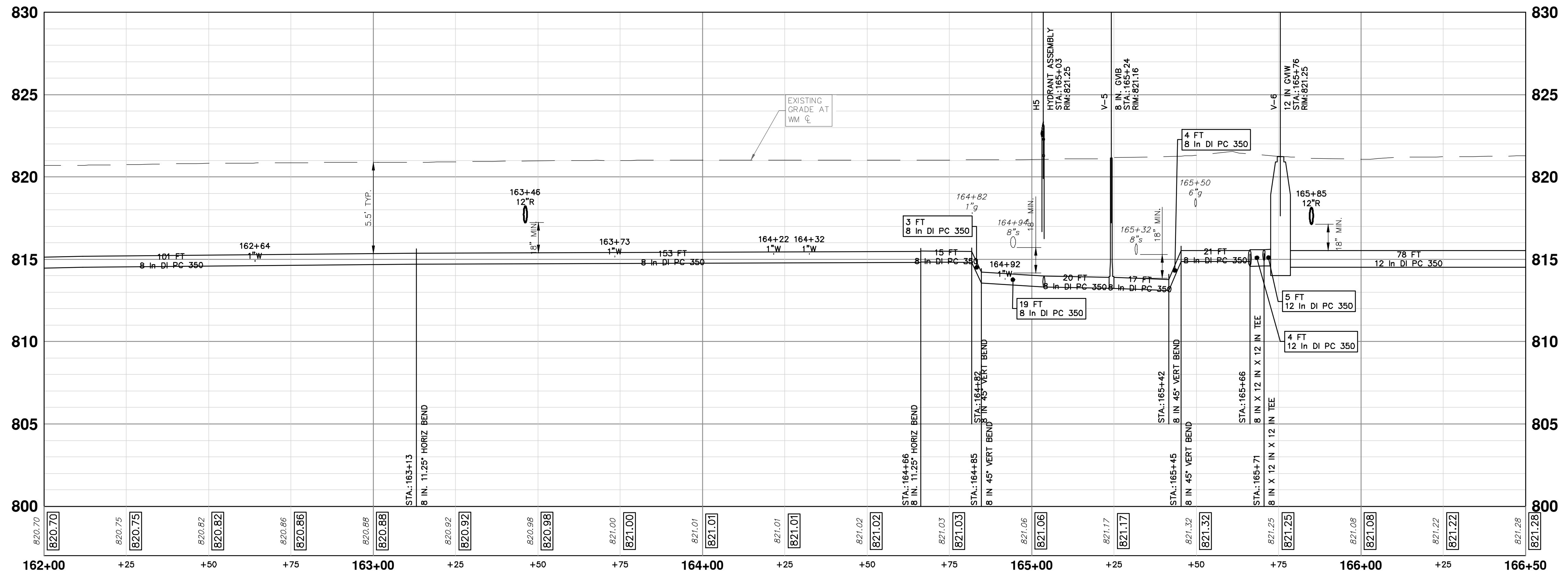


STA: 166+50

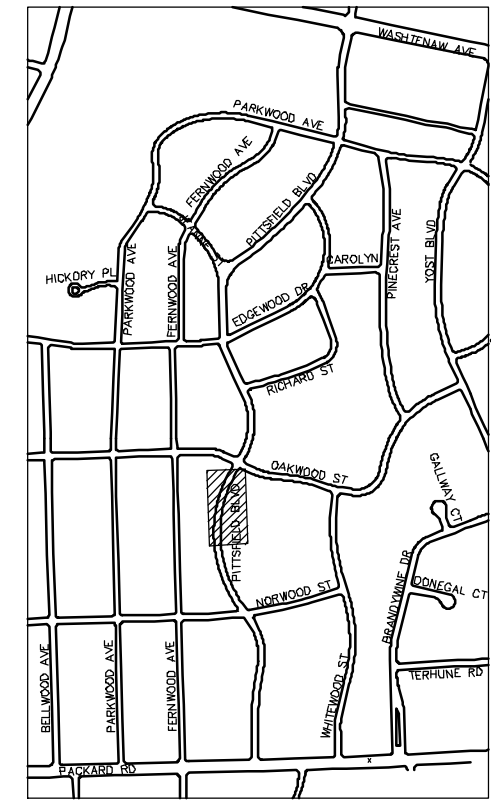
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CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL

ABANDON EXISTING 6" 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 STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
H5	HYDRANT ASSEMBLY	165+03	821.25	8.31
V-5	8 in. GVIW	165+24	821.16	7.93
V-6	12 in GVIW	165+76	821.25	6.73





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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'

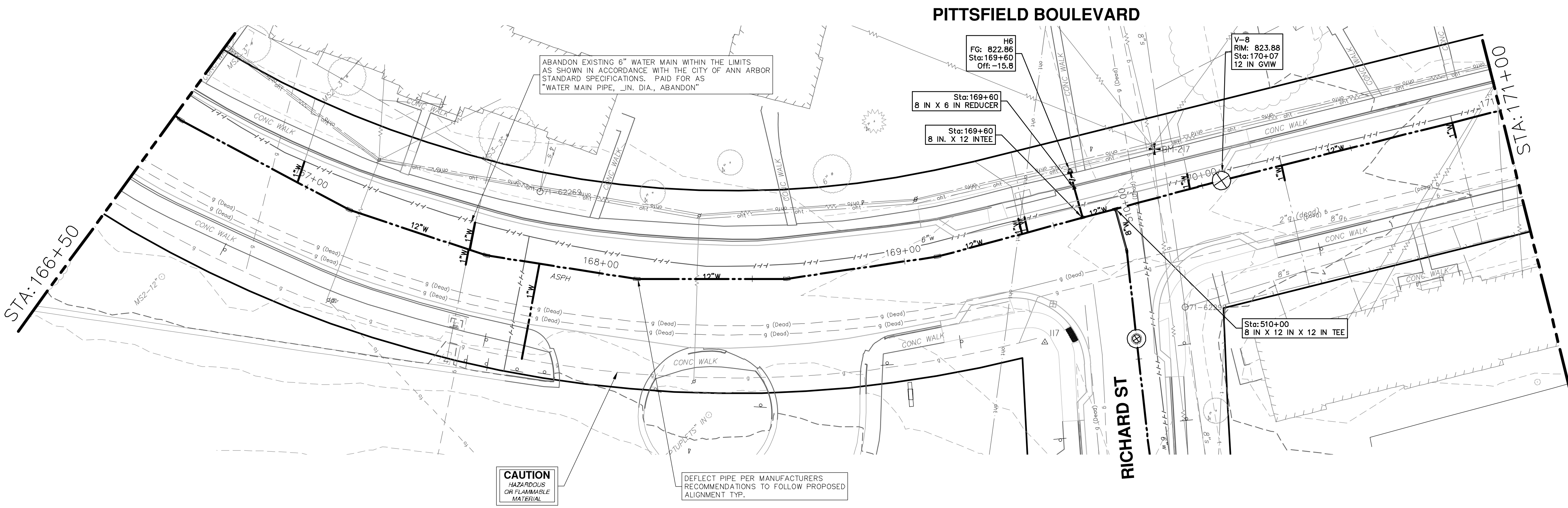
DRAWING No. 2022-031-44

SHEET No. 44 OF 161

ANN ARBOR
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
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www.a2gov.org

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: 18-Dec-24

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: 18-Dec-24



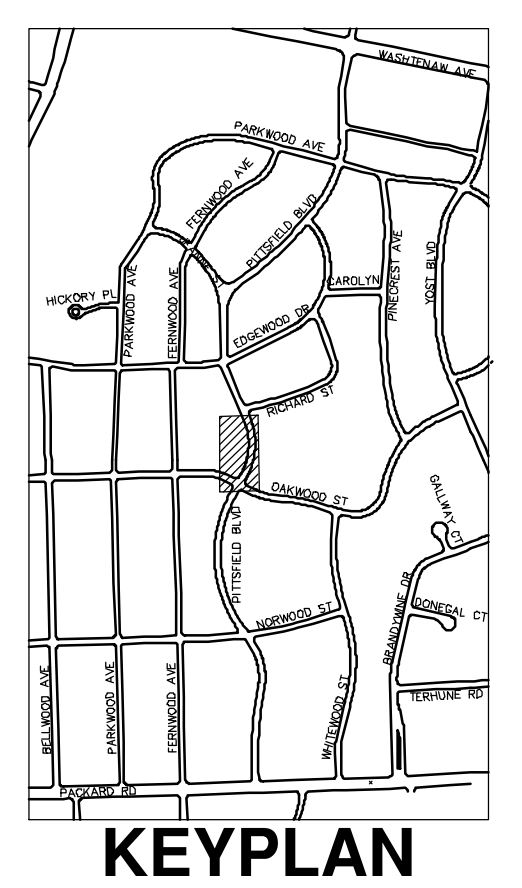
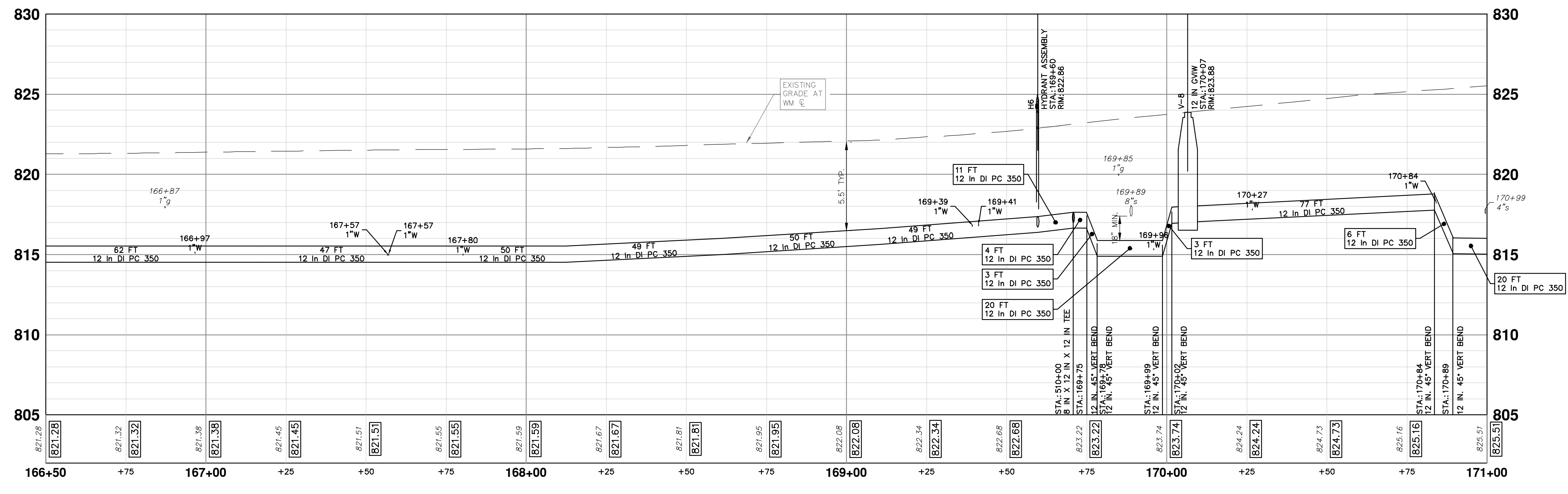
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CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL

DEFLECT PIPE PER MANUFACTURERS
RECOMMENDATIONS TO FOLLOW PROPOSED
ALIGNMENT TYP.


WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
H6	HYDRANT ASSEMBLY	169+60	822.86	6.06
V-8	12 in GVIW	170+07	823.88	6.86





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REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE
01	REV.			



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
WATER MAIN PLAN (STA 166+50 TO STA 171+00)

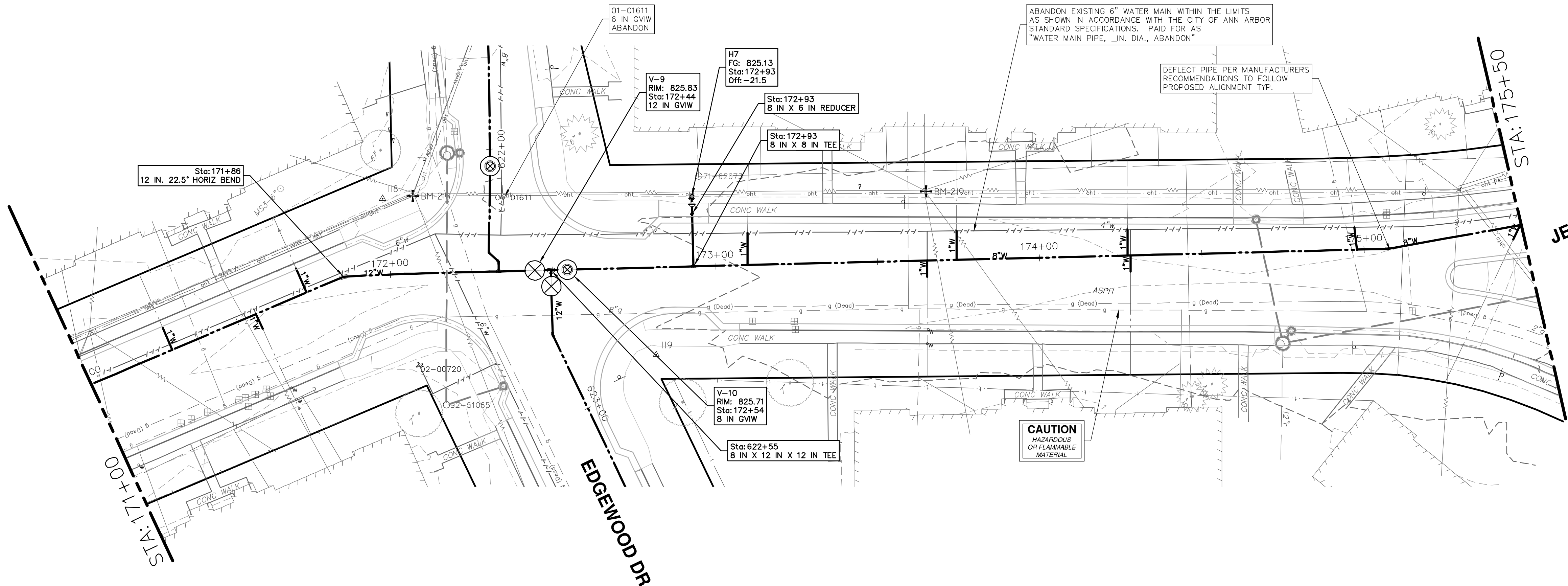
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

DRAWING No. 2022-031-45

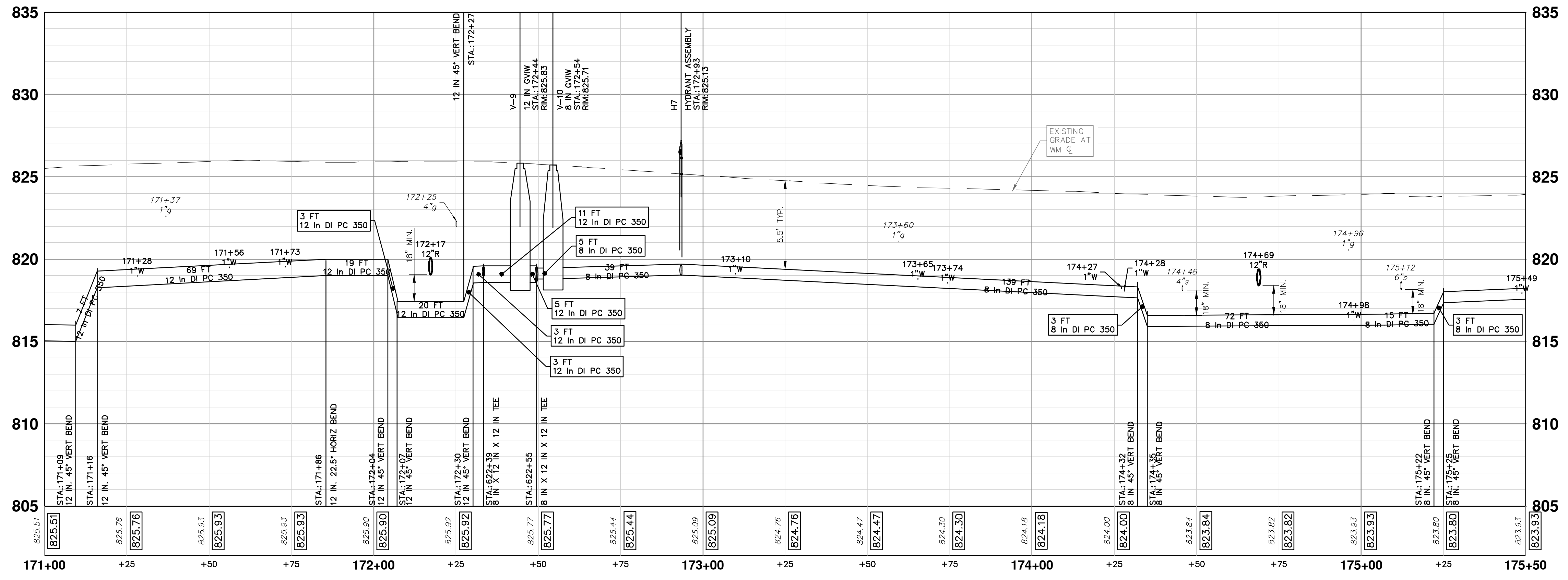
SHEET No. 45 OF 161

CITY OF ANN ARBOR
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301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
ANN ARBOR FAX 800-864-7847
734-794-4410
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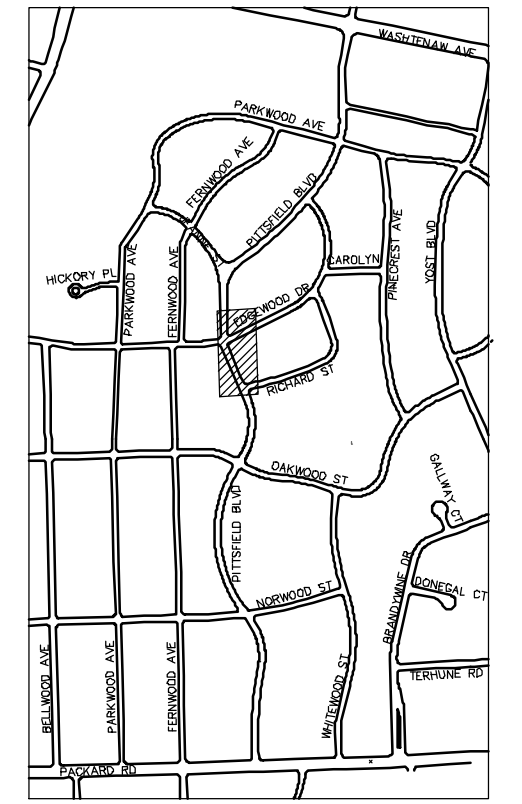
PITTSFIELD BOULEVARD



WATER MAIN NOTES:
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WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V-9	12 in GVW	172+44	825.83	7.24
V-10	8 in GVW	172+54	825.71	6.91
H7	HYDRANT ASSEMBLY	172+93	825.13	6.03



KEYPLAN

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 161

811
 Know what's below.
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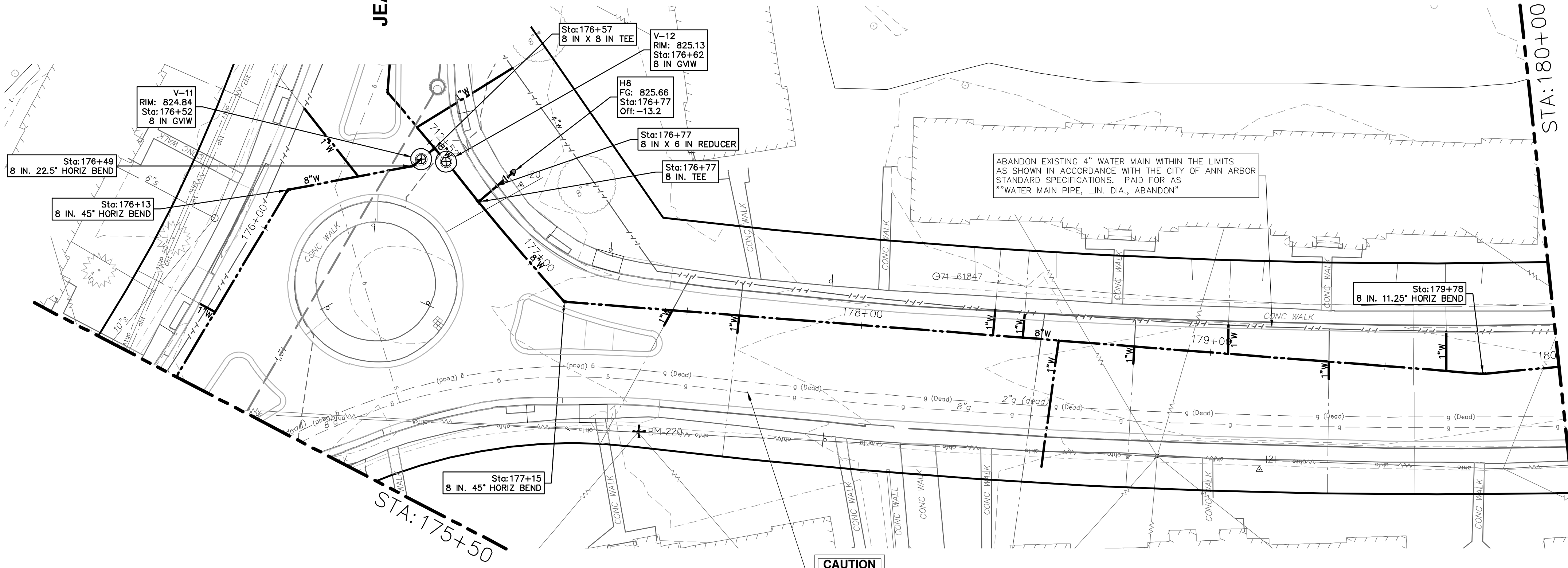
www.a3gov.org

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 ANN ARBOR, MI 48106-8647
 734-794-4410

P:\0000_01000\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050PITTSFIELD_WM.dwg Dwg Created: 17-Dec-24 - _a2_standard_bw.stb - Plot Date: 18-Dec-24

PITTSFIELD BOULEVARD

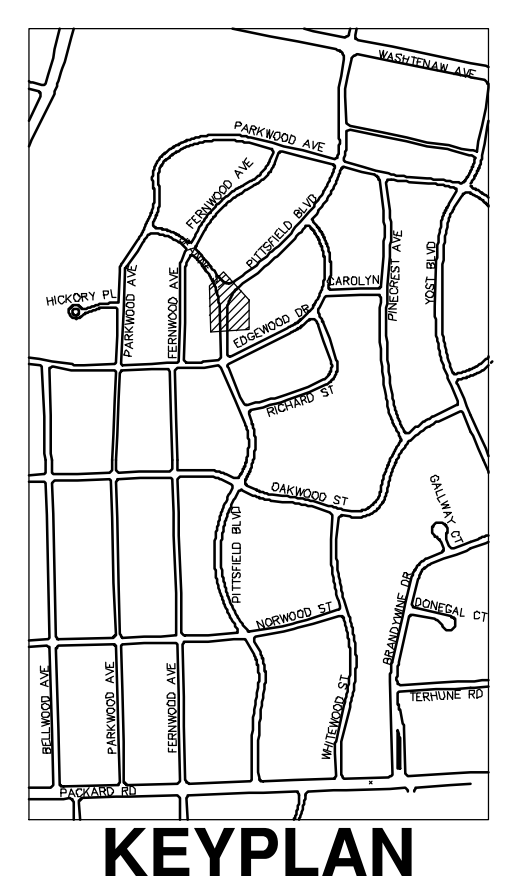
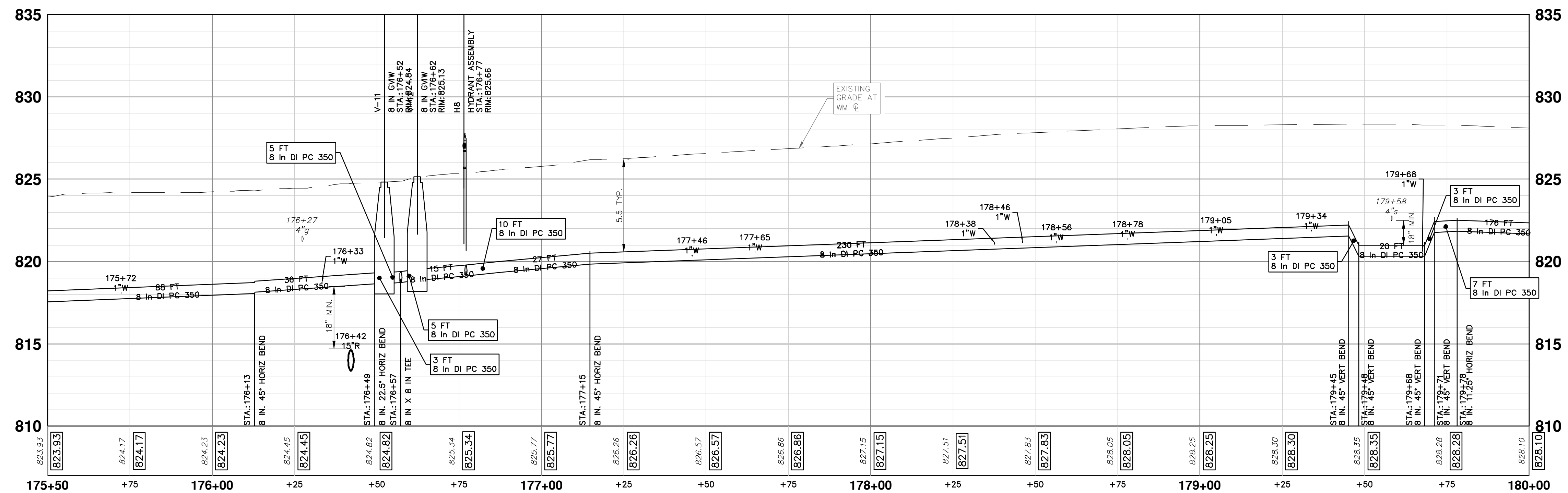
JEANNE ST



WATER MAIN NOTES:

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WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V-11	8 in GVW	176+52	824.84	6.15
V-12	8 in GVW	176+62	825.13	6.27
H8	HYDRANT ASSEMBLY	176+77	825.66	6.47



811
Know what's below.
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REV.	DESCRIPTION	DATE	BY	CHECKED
00	BID SET	12-19-2024	SM	CE
01	REV.			

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
 PITTSFIELD BOULEVARD
 WATER MAIN PLAN (STA 175+50 TO STA 180+00)

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
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 734.794.4410
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CITY OF ANN ARBOR
 MICHIGAN

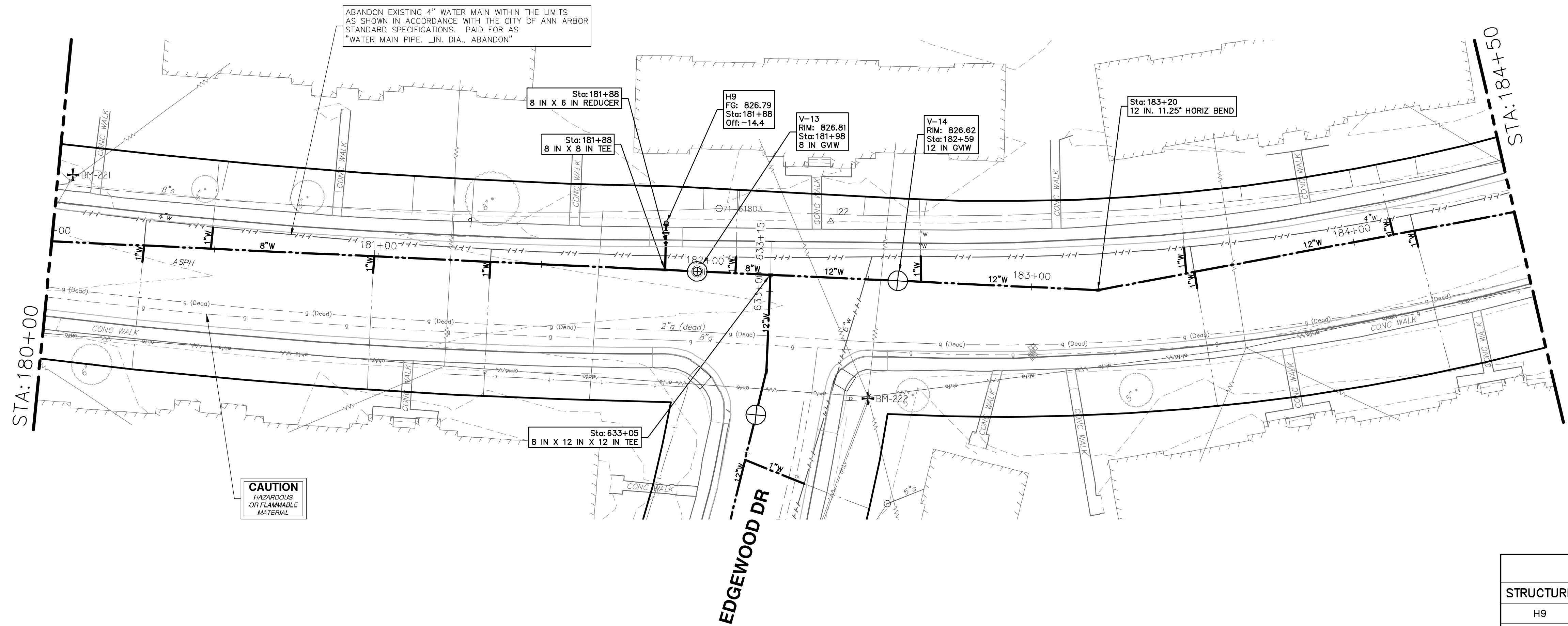
SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'

DRAWING No. **2022-031-47**
 SHEET No. **47 OF 161**

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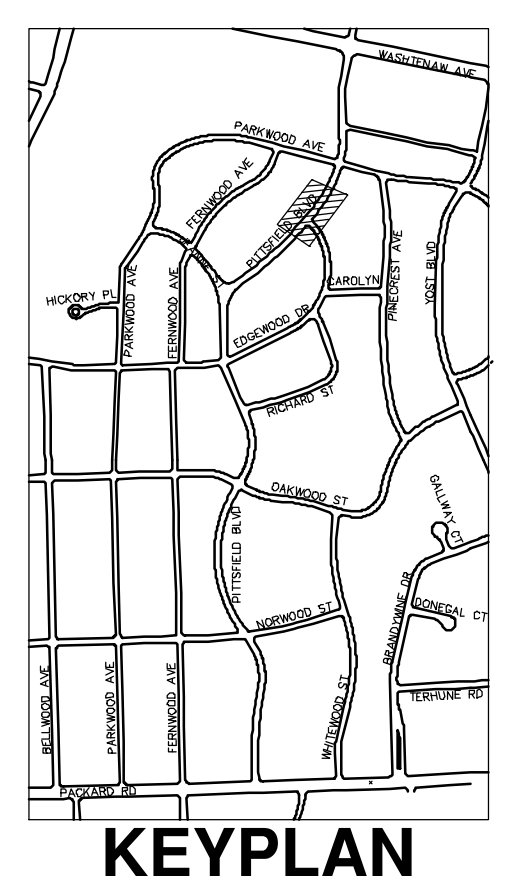
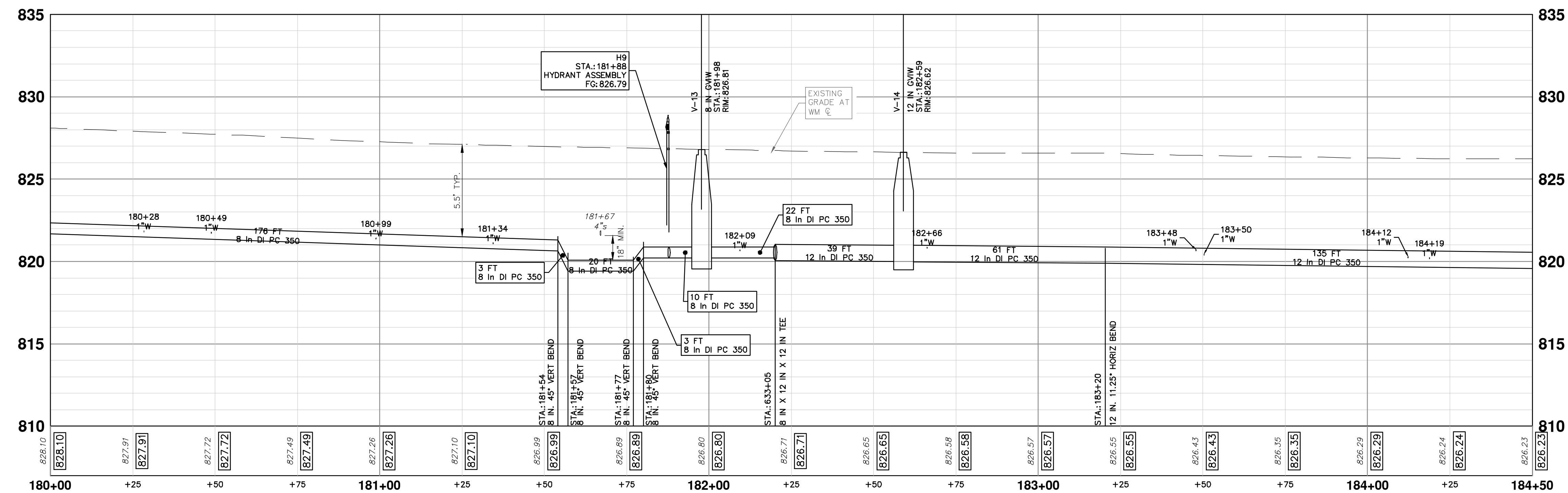
PITTSFIELD BOULEVARD



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STRUCTURE	TYPE	STATION	RIM	DEPTH
H9	HYDRANT ASSEMBLY	181+88	826.79	6.29
V-13	8 in CVIW	181+98	826.81	6.59
V-14	12 in GVW	182+59	826.62	6.63



CITY OF ANN ARBOR
PUBLIC SERVICES
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ANN ARBOR, MI 48106-8647
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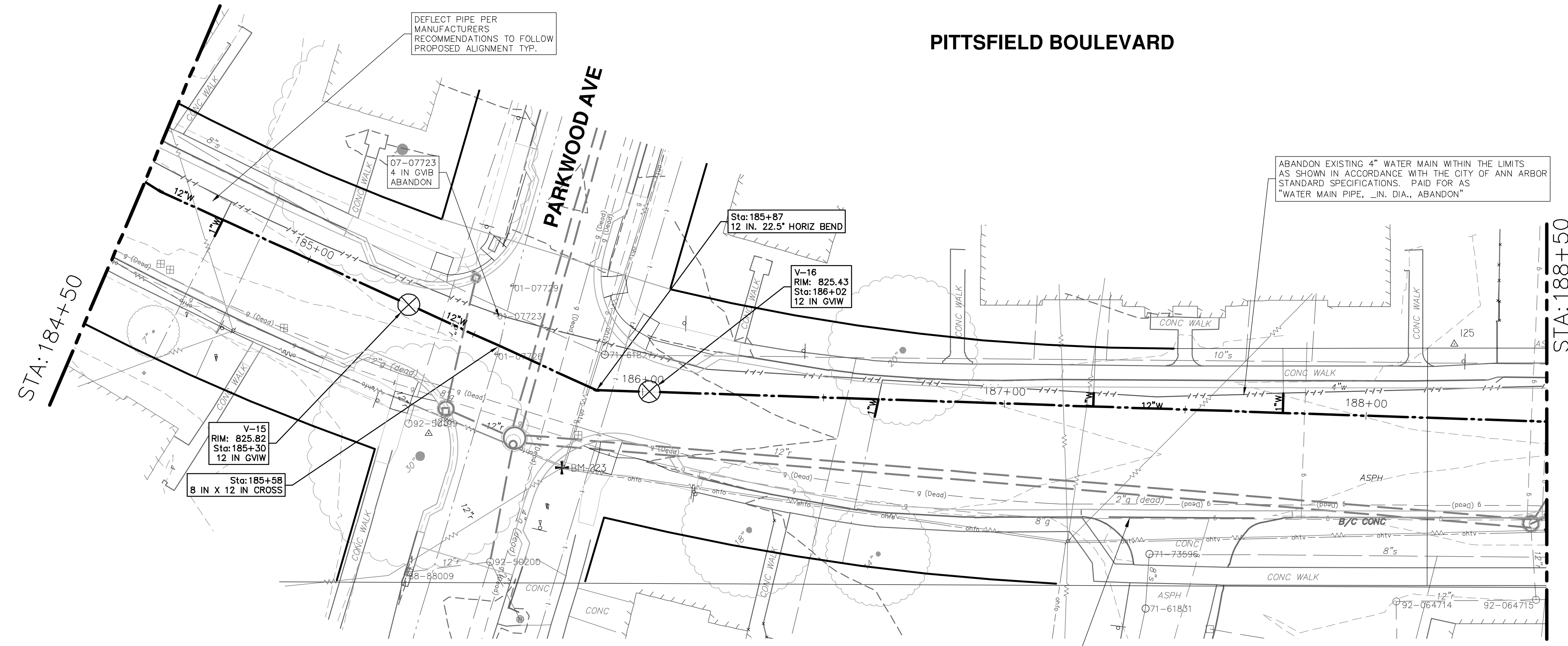
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
WATER MAIN PLAN (STA 180+00 TO STA 184+50)

SHEET No. 48 OF 161
DRAWING No. 2022-031-48
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

REV.	DESCRIPTION	DATE	BY	CE	CHECKED
00	BID SET	12-19-2024	SM	CE	CHECKED

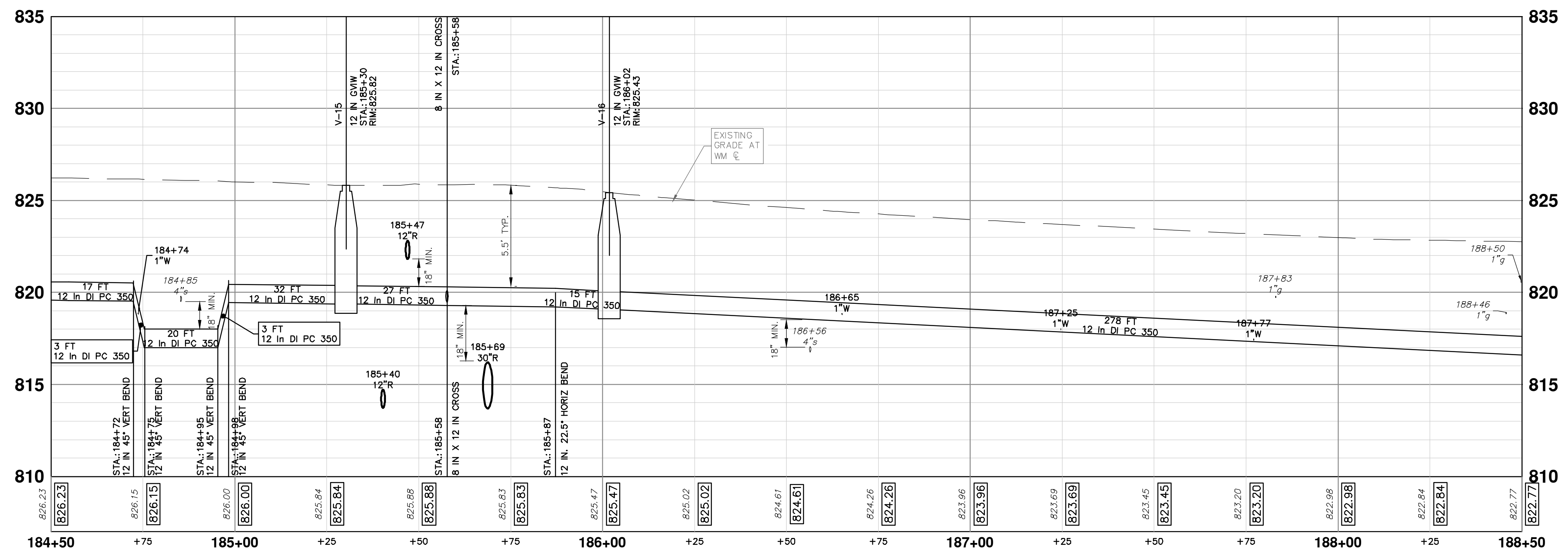
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PITTSFIELD BOULEVARD

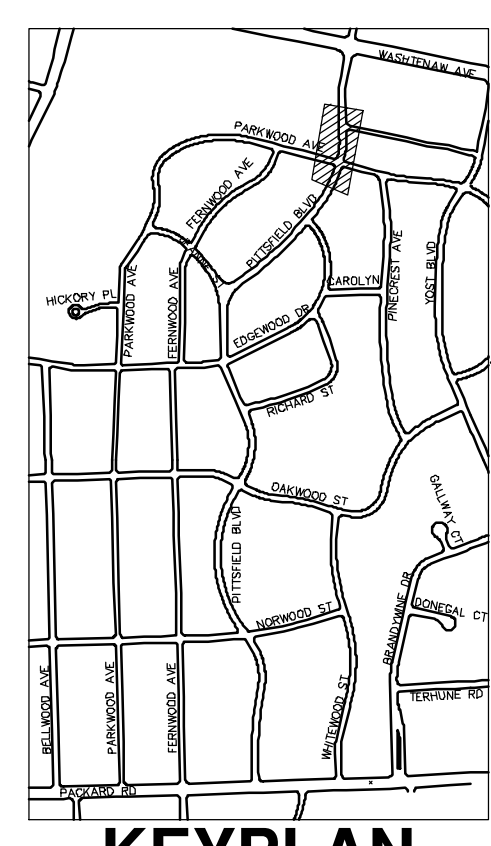


CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL

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WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V-15	12 in GVM	185+30	825.82	6.45
V-16	12 in GVM	186+02	825.43	6.36



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

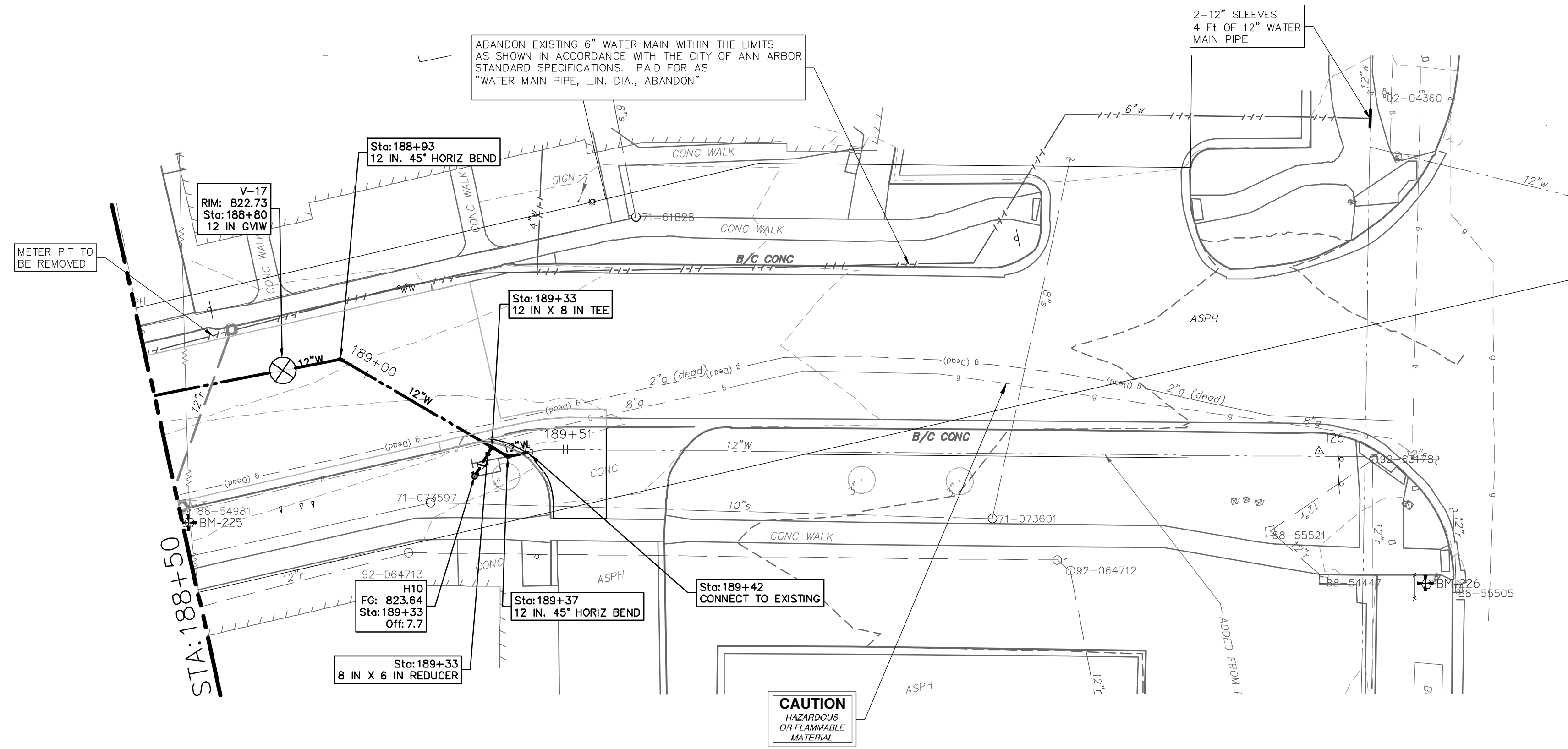
REV.	DESCRIPTION	DATE	BY	CHECKED
01	BID SET	12-19-2024	SM	CE

CITY OF ANN ARBOR
PUBLIC SERVICES
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ANN ARBOR, MI 48106-8647
ANN ARBOR PHONE: 734-794-4410
WWW.ANARBOR.MI.GOV

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
WATER MAIN PLAN (STA 184+50 TO STA 188+50)

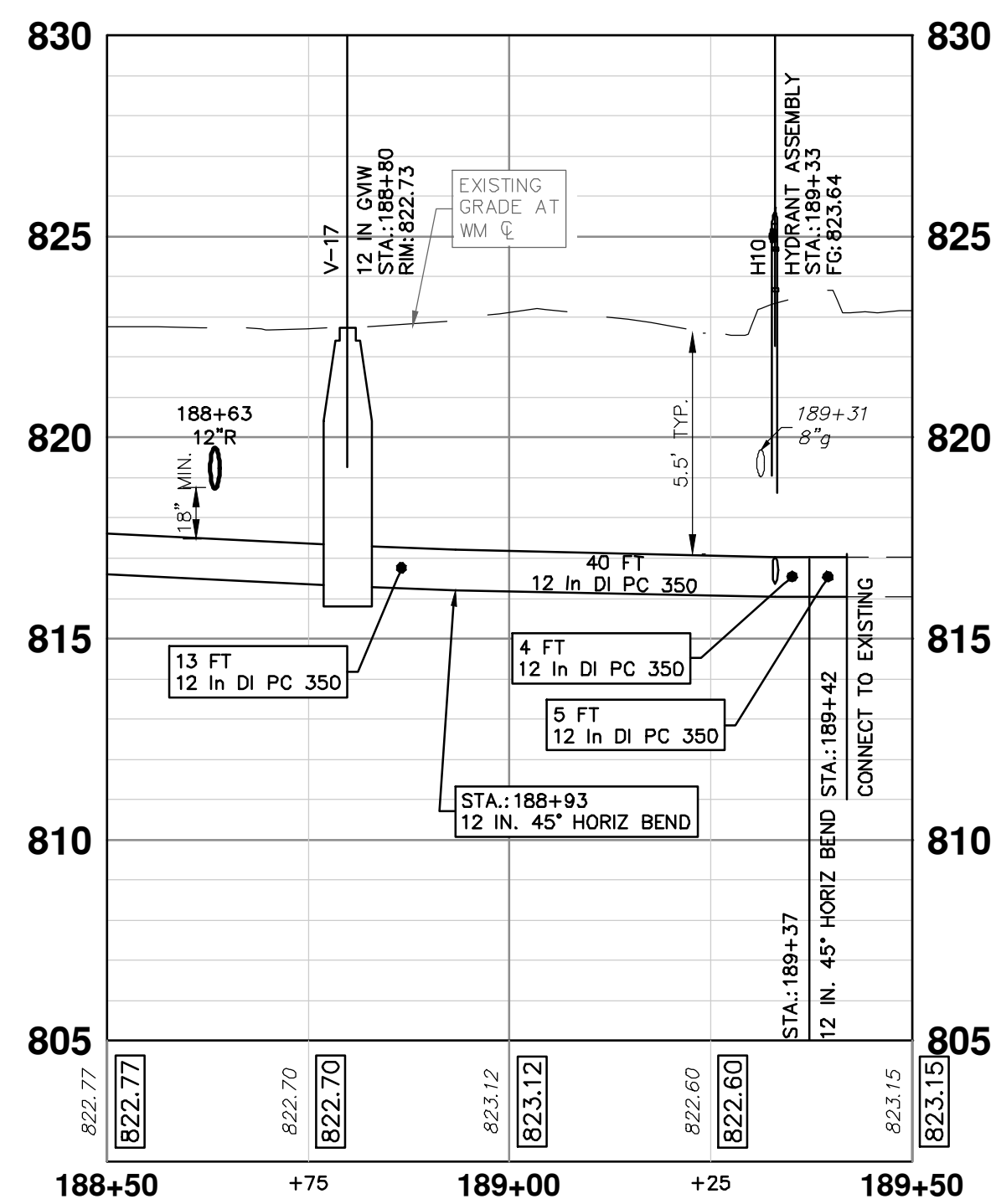
SHEET No. **49 OF 161**

PITTSFIELD BOULEVARD

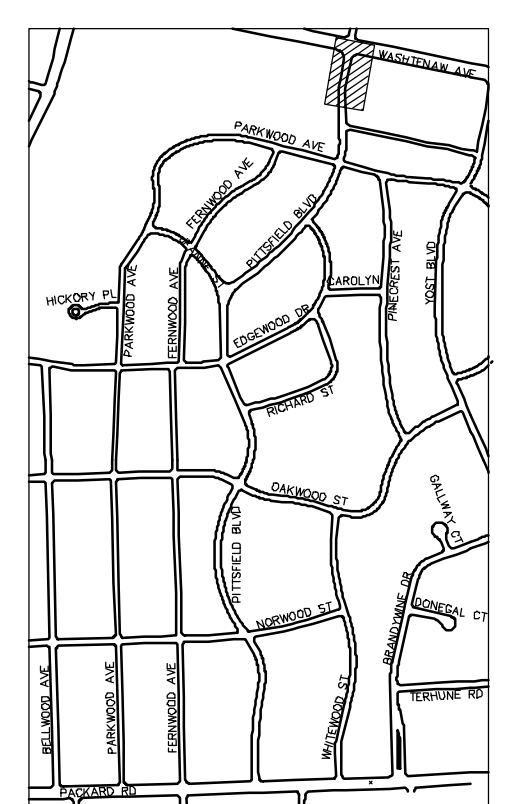


WASHTENAW AVE

- WATER MAIN NOTES:
- 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"
 - 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.
 - 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-17	12 in GVIW	188+80	822.73	6.42
H10	HYDRANT ASSEMBLY	189+33	823.64	7.17

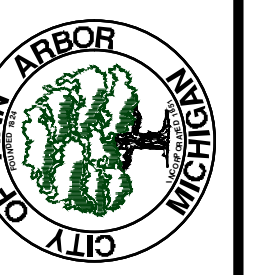


KEYPLAN



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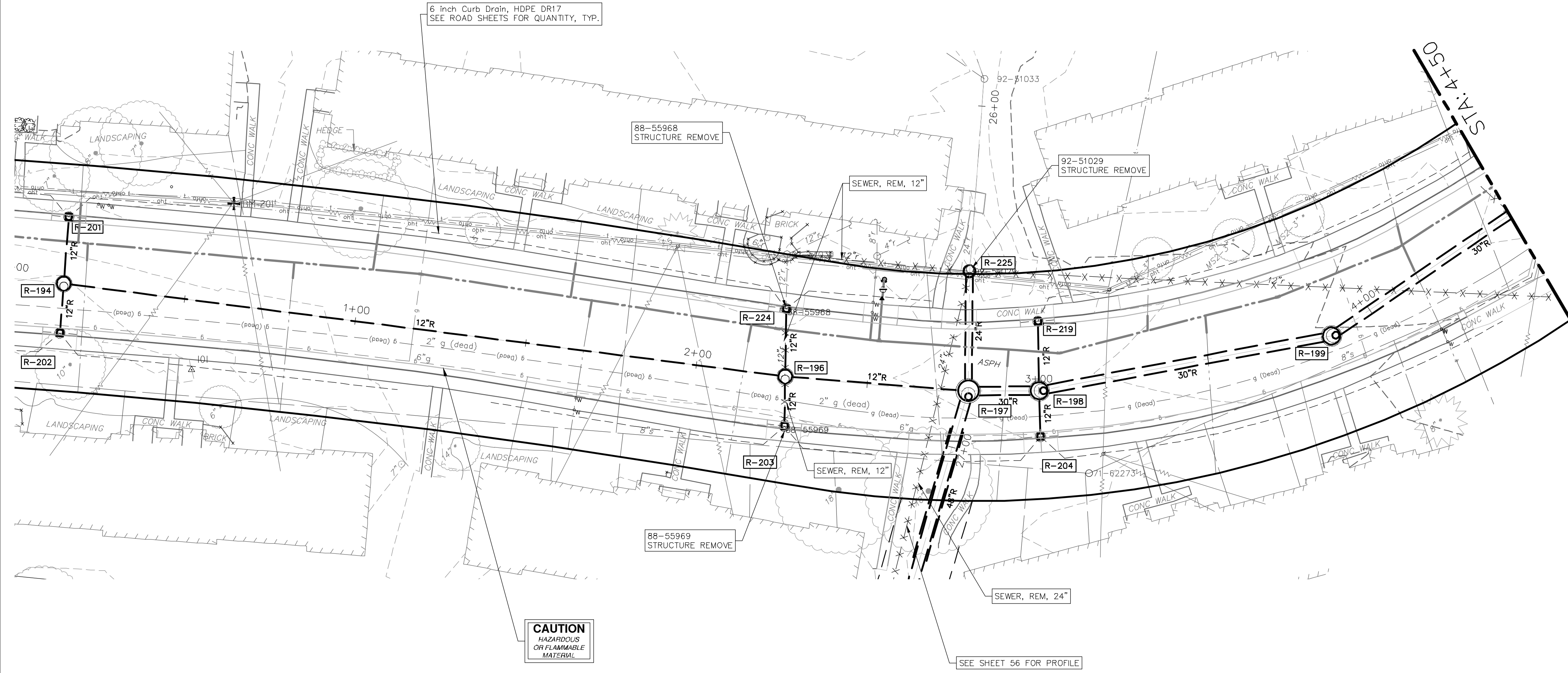
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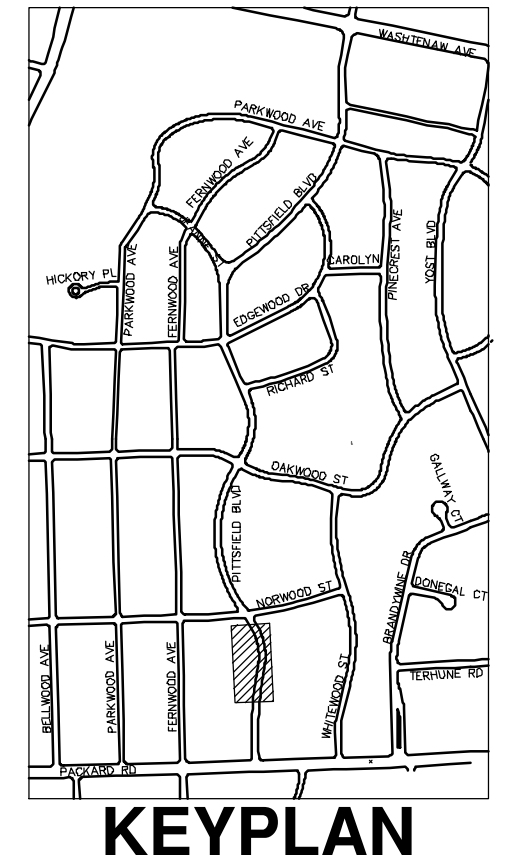
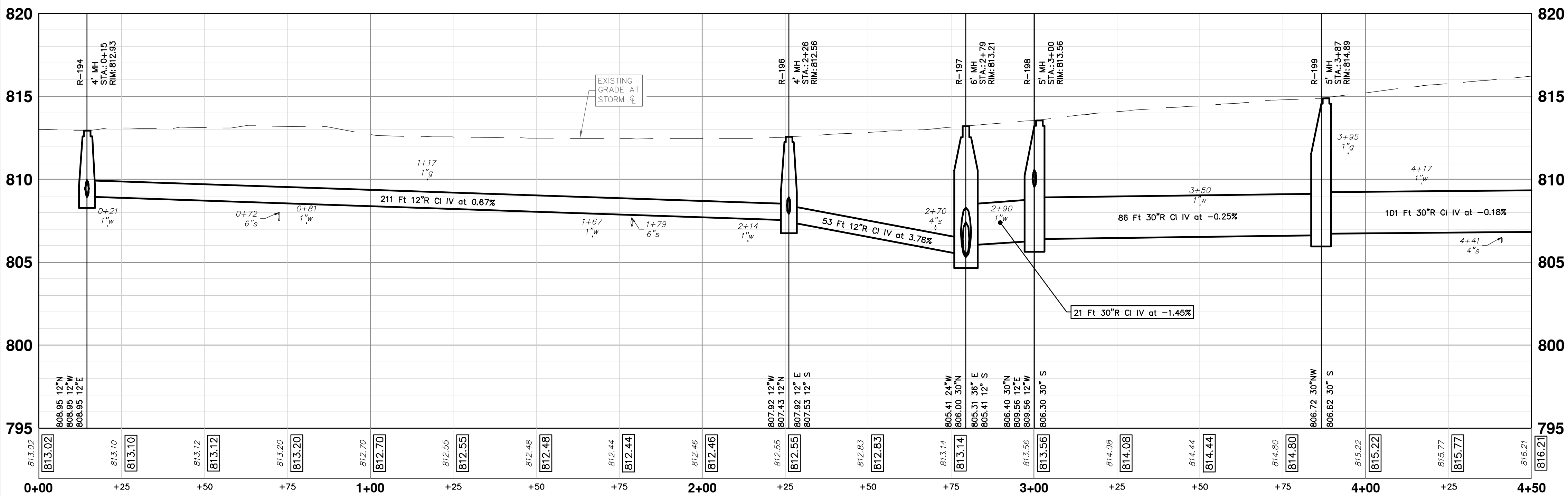
CITY OF ANN ARBOR - ENGINEERING
PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
PITTSFIELD BOULEVARD
WATER MAIN PLAN (STA 188+50 TO STA 189+50)

SHEET No. 50 OF 161
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-50

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	3.98	0'
R-196	2+26	4' MH	812.56	12" E 807.92 12" S 807.53 12" W 807.92 12" N 807.43	5.13	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	7.90	0'
R-198	3+00	5' MH	813.56	30" S 806.30 30" N 806.40 12" E 809.56 12" W 809.56	7.26	0'
R-199	3+87	5' MH	814.89	30" S 806.62 30" NW 806.72	8.27	0'
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'



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

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

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

DRAWING NO. 2022-031-52

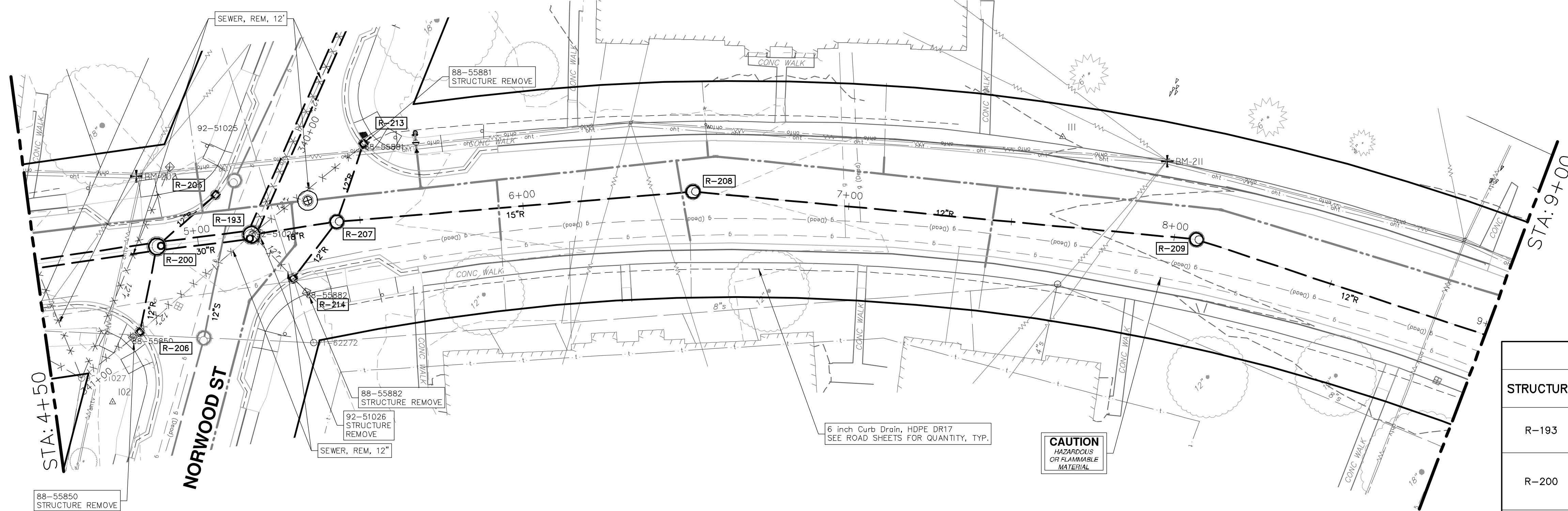
SHEET No. 52 OF 161

811
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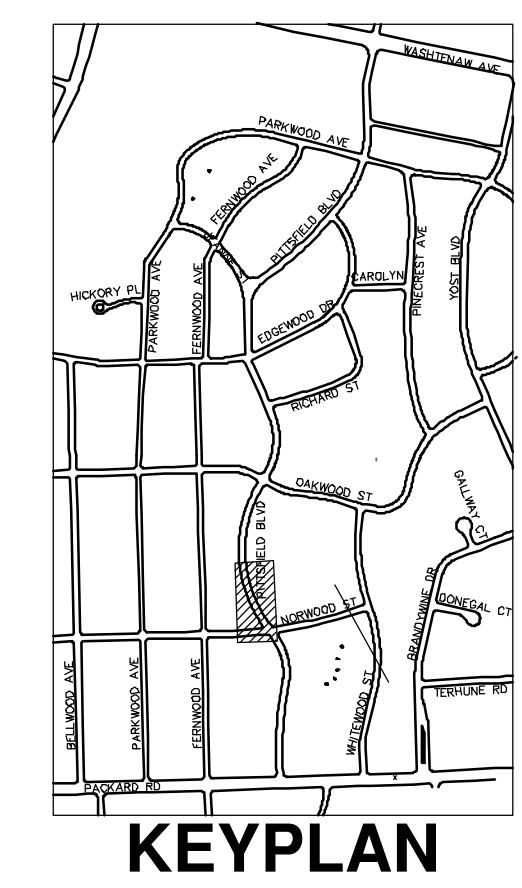
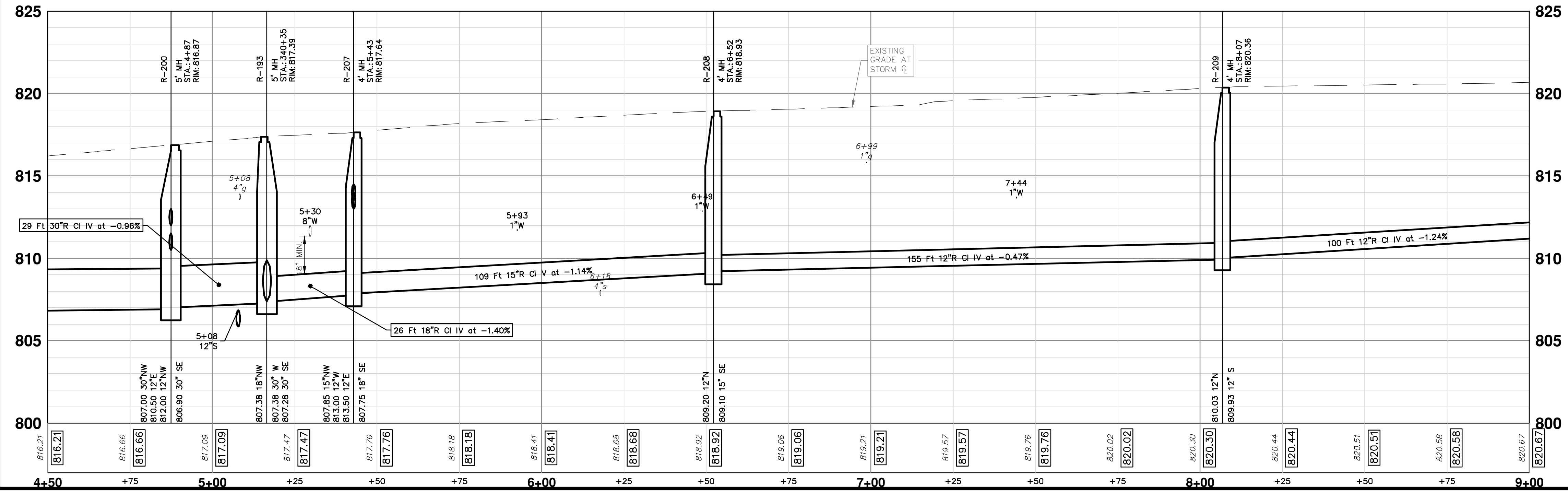
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SM		DRAWN
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PITTSFIELD BOULEVARD



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	10.11	0'
R-200	4+87	5' MH	816.87	30" SE 806.90 30" NW 807.00 12" E 810.50 12" NW 812.00	9.97	0'
R-205	5+07	2' Inlet	817.00	12" SE 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	9.89	0'
R-208	6+52	4' MH	818.93	15" SE 809.10 12" N 809.20	9.83	0'
R-209	8+07	4' MH	820.36	12" S 809.93 12" N 810.03	10.43	0'
R-213	5+53	2' Inlet	817.20	12" E 813.23	5.97	2'
R-214	5+27	2' Inlet	816.90	12" W 813.77	5.13	2'



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PITTSFIELD VILLAGE IMPROVEMENTS

PITTSFIELD BOULEVARD

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

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CITY OF ANN ARBOR
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

PROFILE: 1" = 4'

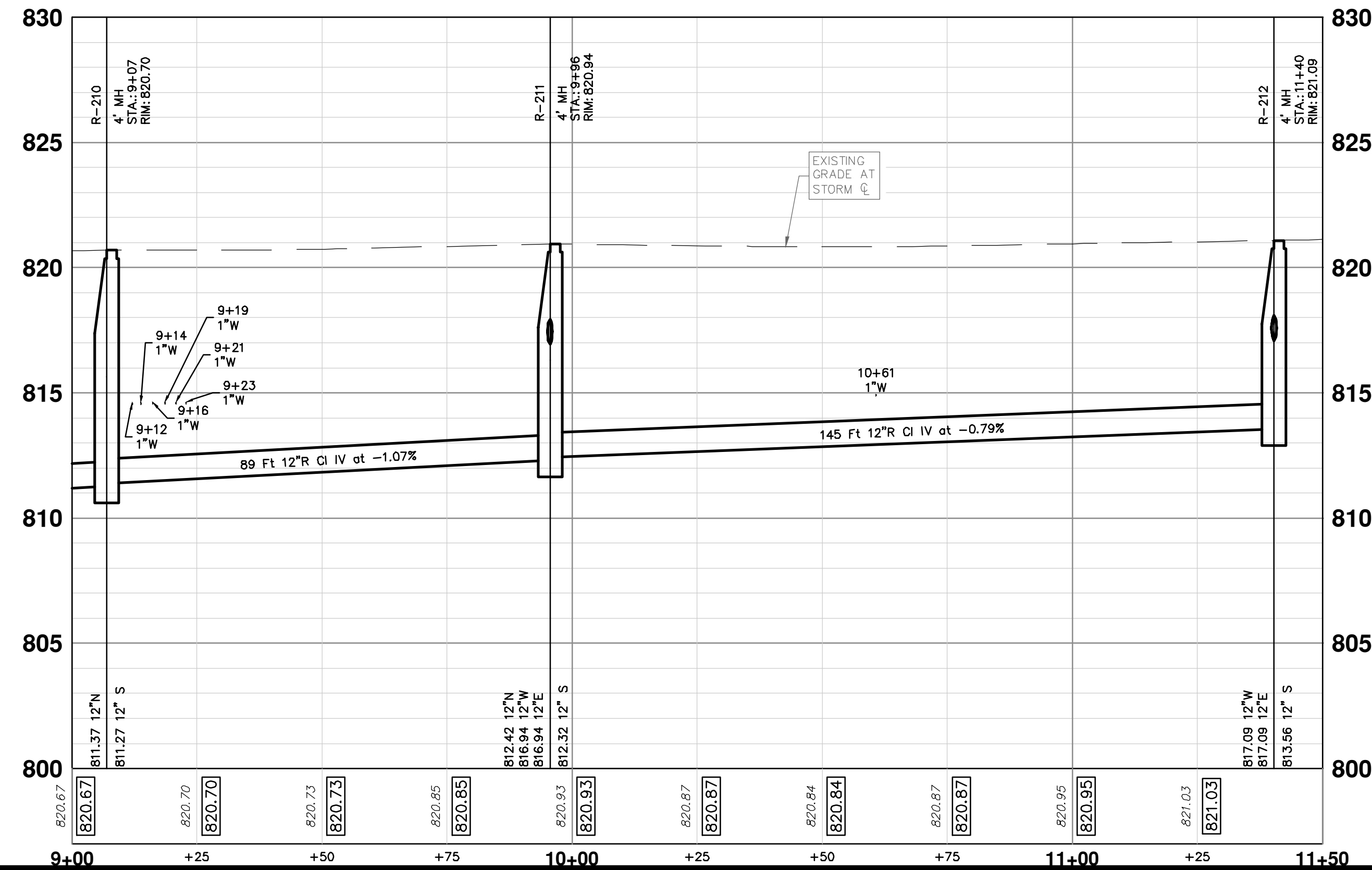
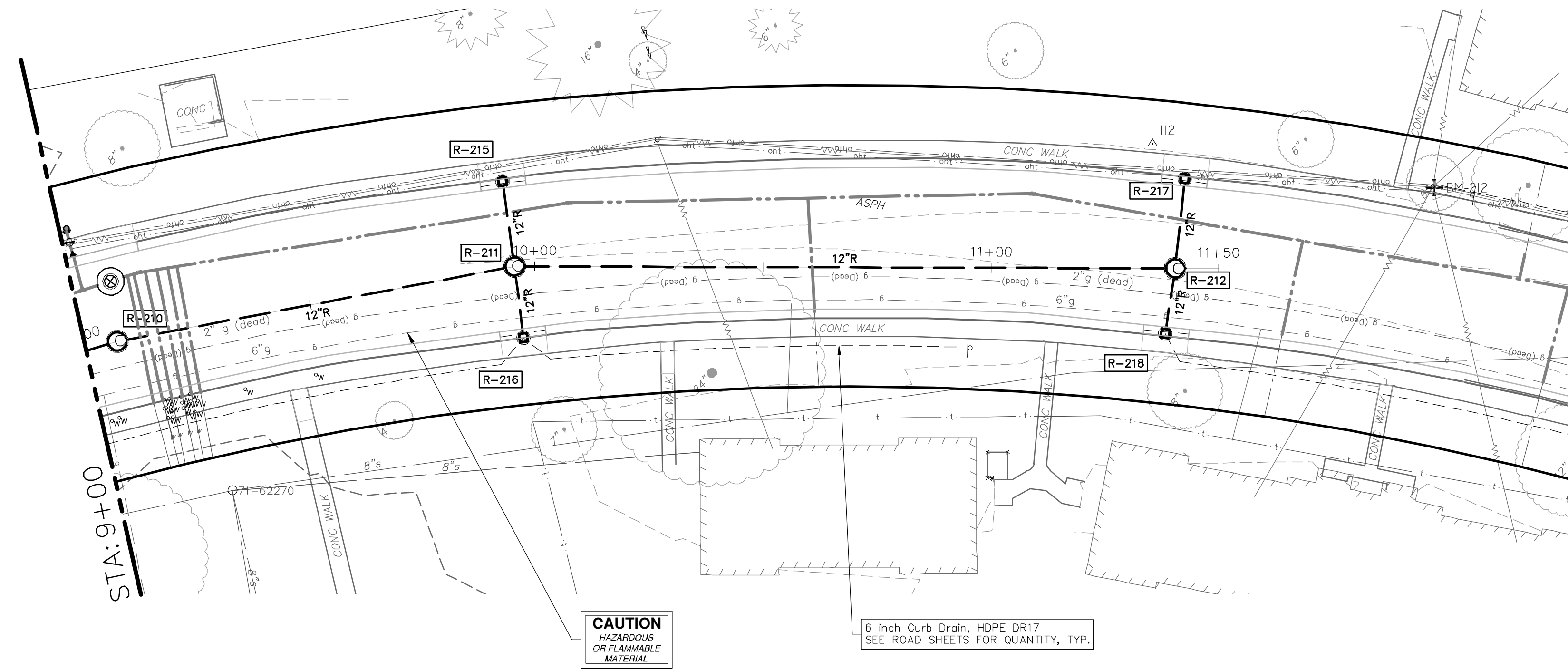
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SHEET No. 53 OF 161

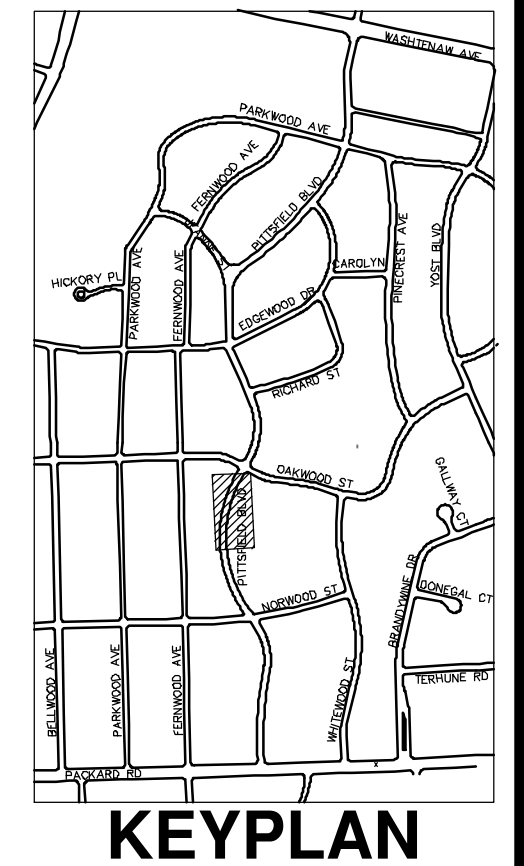
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PITTSFIELD BOULEVARD



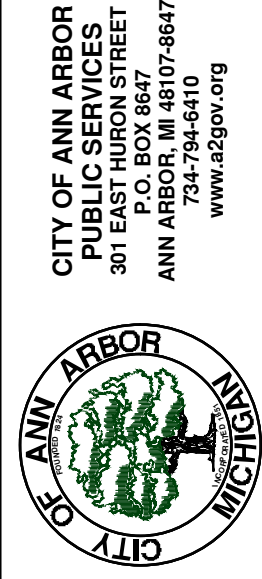
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-210	9+07	4' MH	820.70	12" S 811.27 12" N 811.37	9.43	0'
R-211	9+96	4' MH	820.94	12" S 812.32 12" N 812.42 12" W 816.94 12" E 816.94	8.62	0'
R-212	11+40	4' MH	821.09	12" S 813.56 12" W 817.09 12" E 817.09	7.53	0'
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'



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 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 161



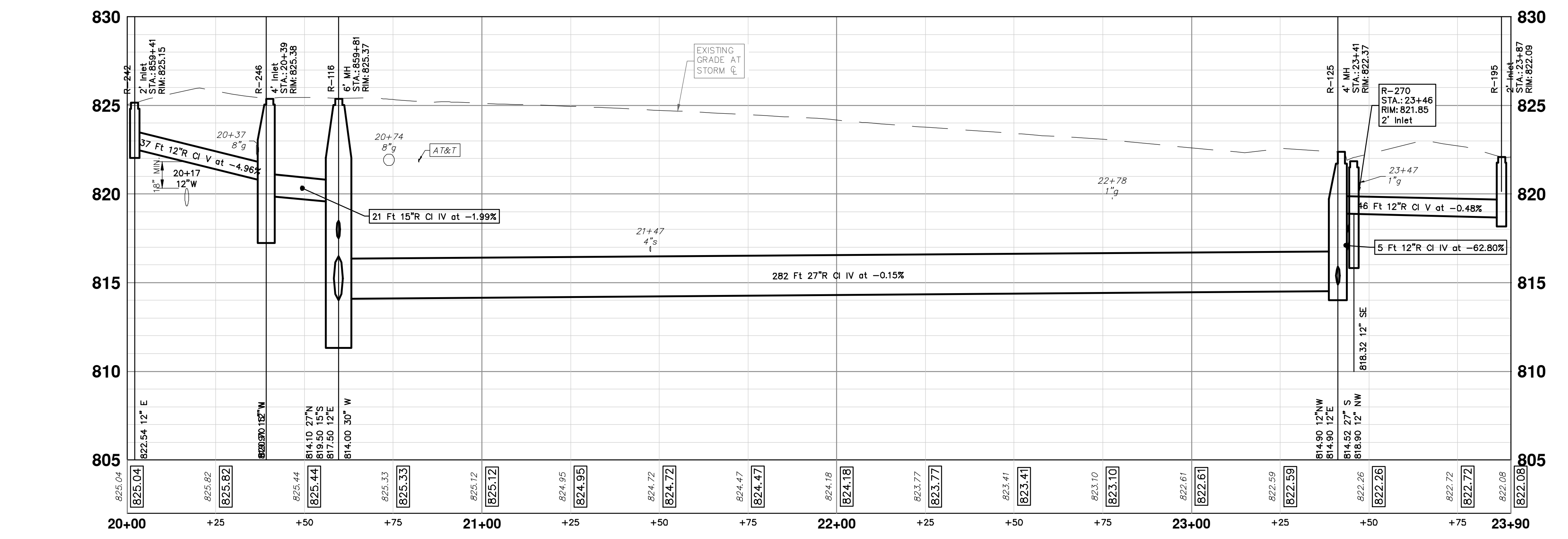
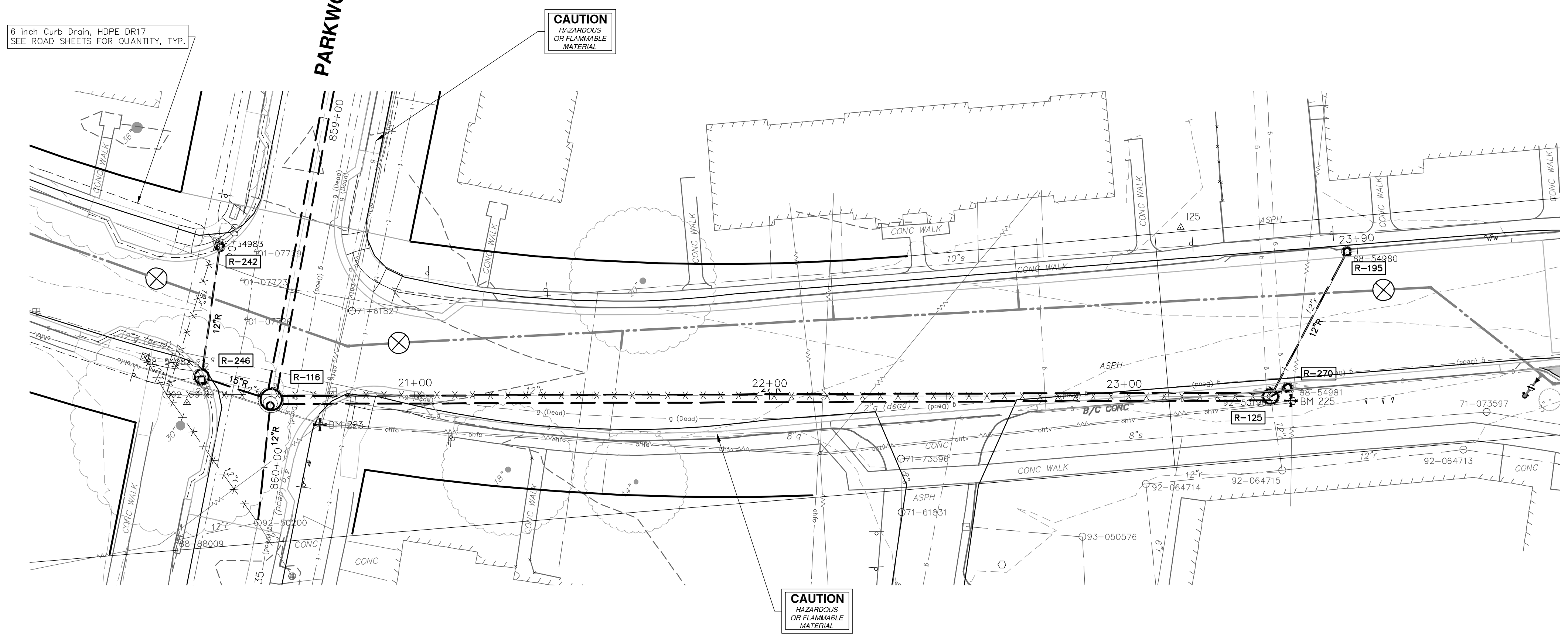
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00	BID SET	12-19-2024			

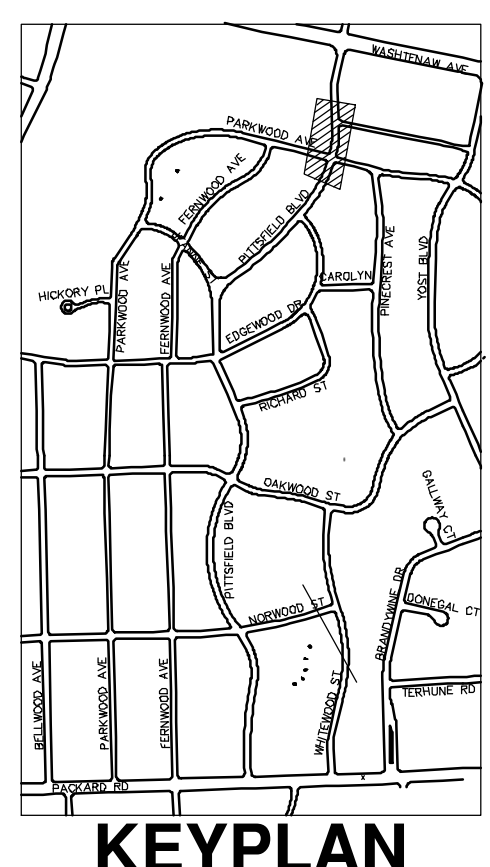



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PITTSFIELD BOULEVARD




STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-50199	20+39	EX MH	825.52	12" W 814.09	11.43	0'
92-50200	860+16	EX MH	825.23	12" S 818.13 12" NE 819.63	7.10	0'
R-116	859+81	6' MH	825.37	30" W 814.00 27" N 814.10 15" S 819.50 12" E 817.50	13.37	2'
R-125	23+41	4' MH	822.37	27" S 814.52 12" NW 818.90 12" NW 814.90 12" E 814.90	7.85	0'
R-242	859+41	2' Inlet	825.15	12" E 822.54	2.61	0'
R-246	20+39	4' Inlet	825.38	15" N 819.91 12" W 820.70	7.47	2'
R-270	23+46	2' Inlet	821.85	12" SE 818.32	5.53	2'





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

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

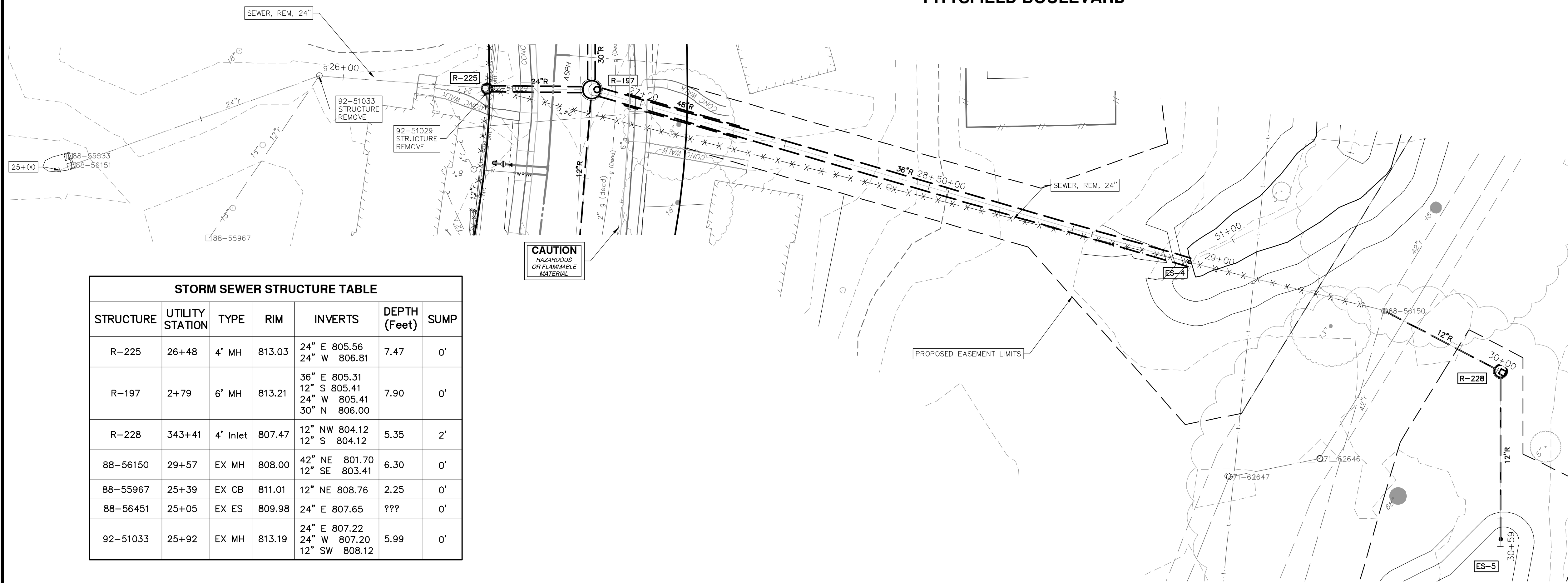
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SHEET No. **55 OF 161**

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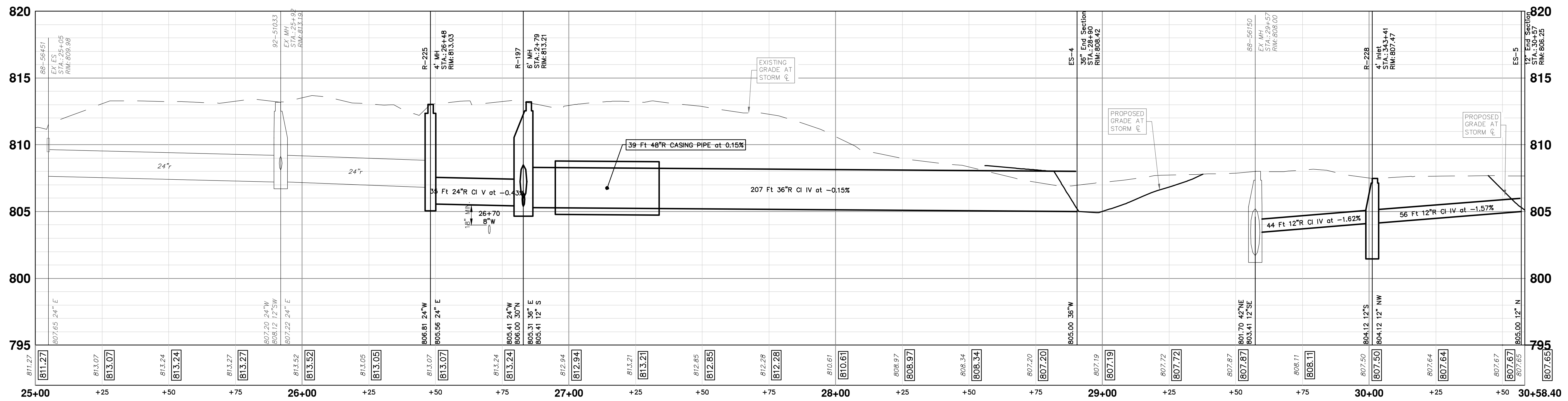
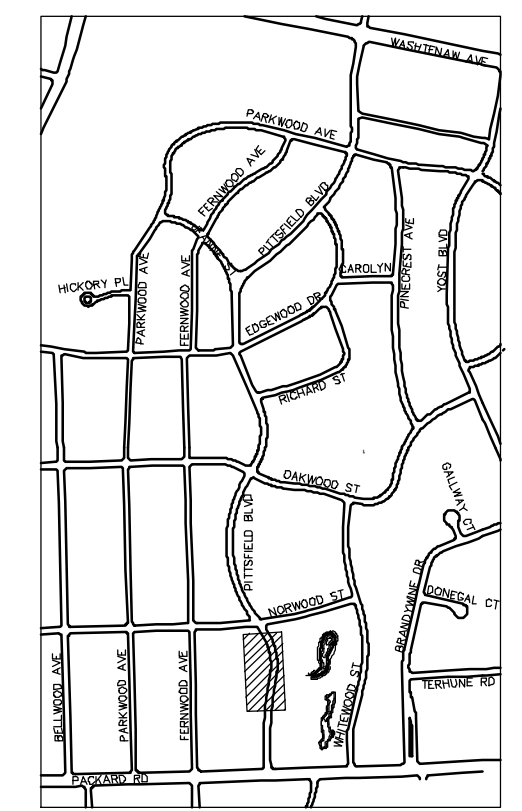
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PITTSFIELD BOULEVARD



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-225	26+48	4' MH	813.03	24" E 805.56 24" W 806.81	7.47	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	7.90	0'
R-228	343+41	4' Inlet	807.47	12" NW 804.12 12" S 804.12	5.35	2'
88-56150	29+57	EX MH	808.00	42" NE 801.70 12" SE 803.41	6.30	0'
88-55967	25+39	EX CB	811.01	12" NE 808.76	2.25	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'

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%



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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 161

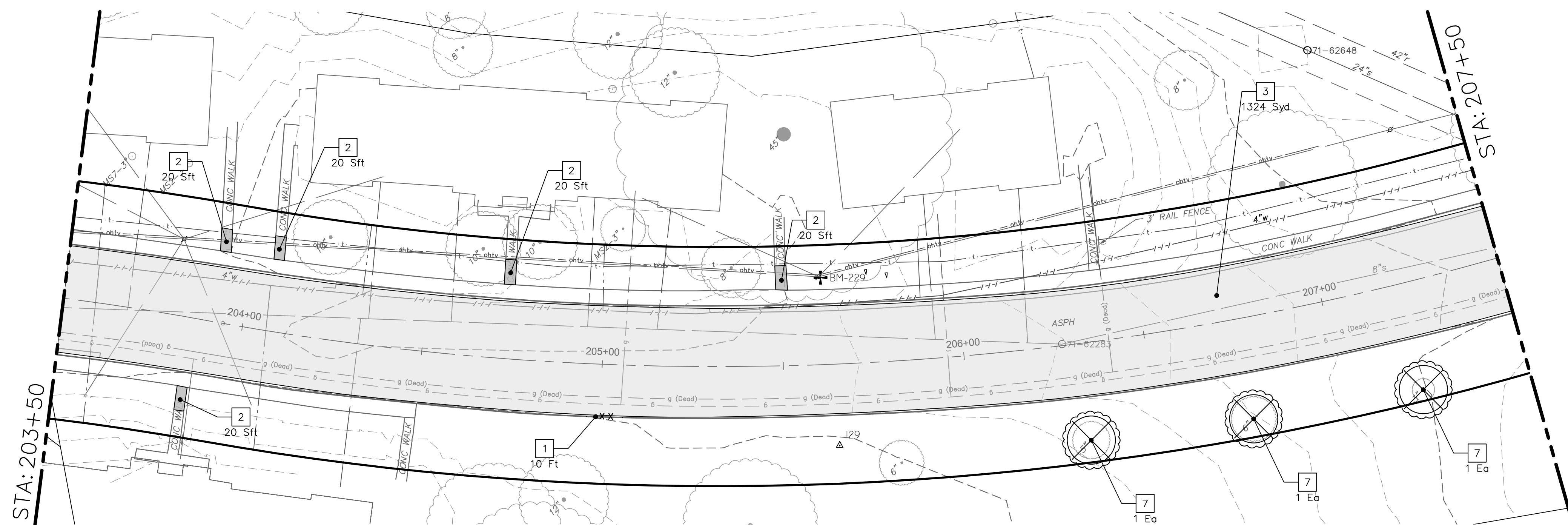
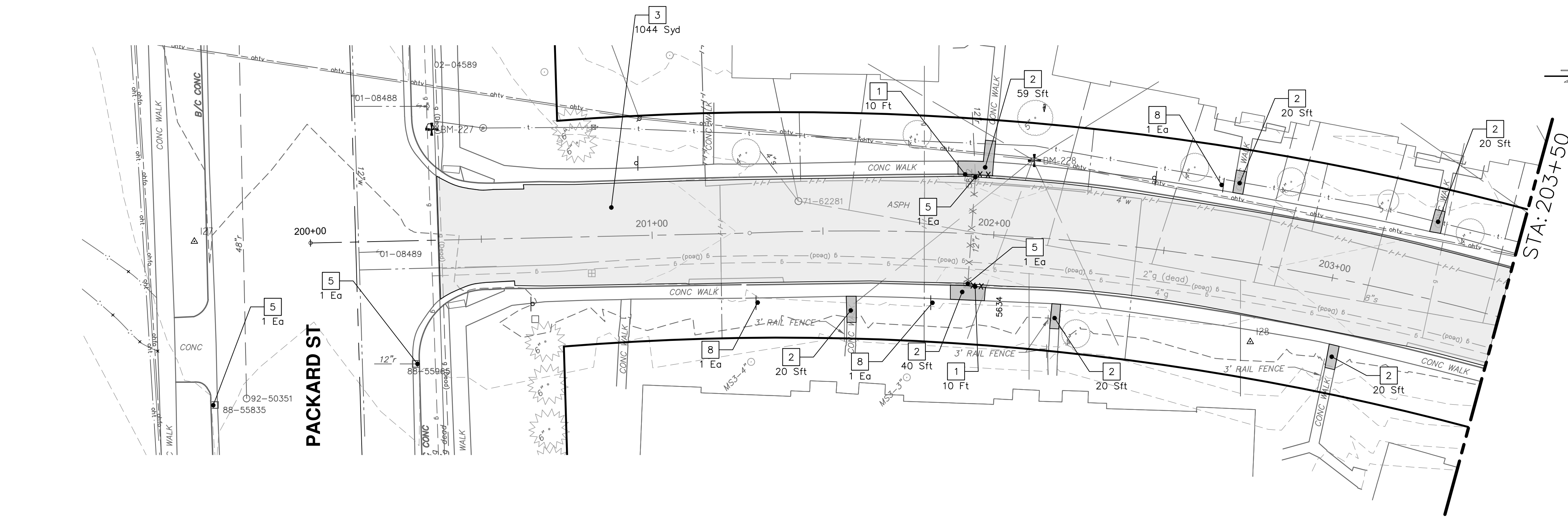
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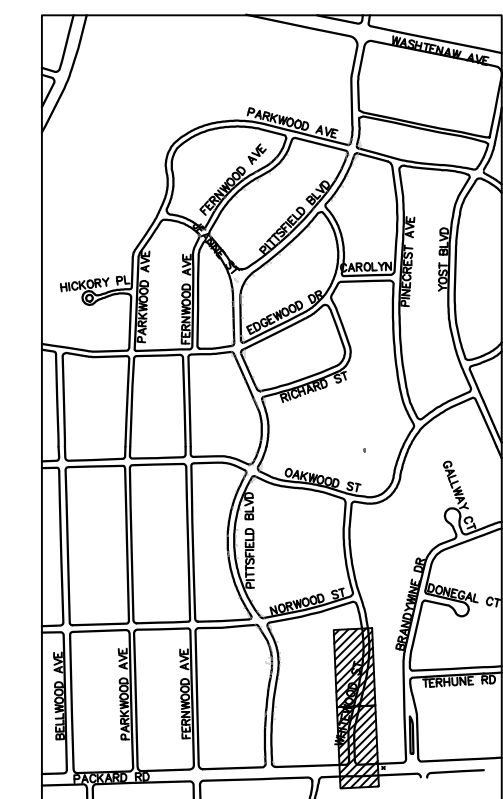
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WHITEWOOD STREET



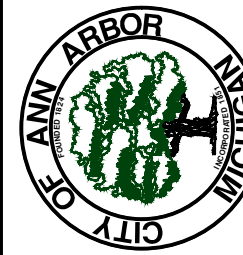
REMOVAL KEY	
KEY	DESCRIPTION
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2	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE - SIZE VARIES
8	REMOVE AND SALVAGE SIGN

- * 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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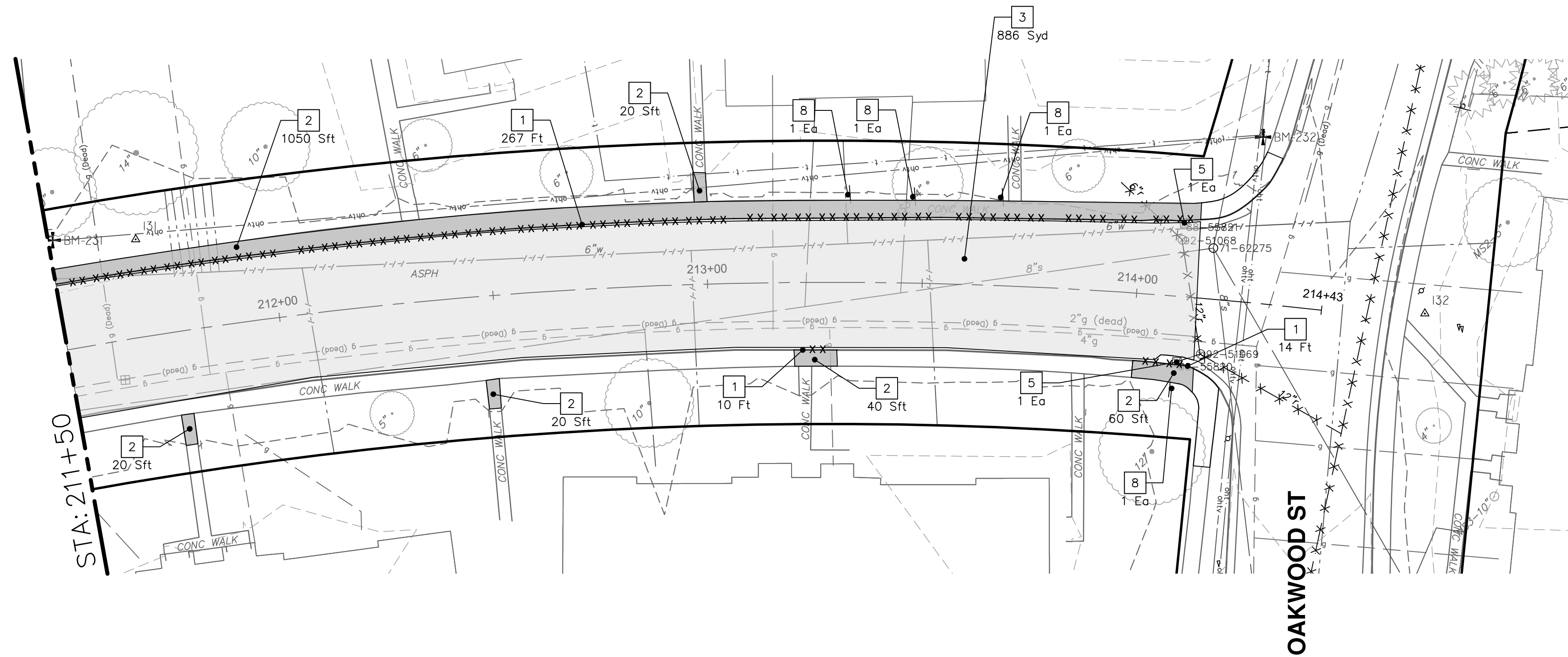
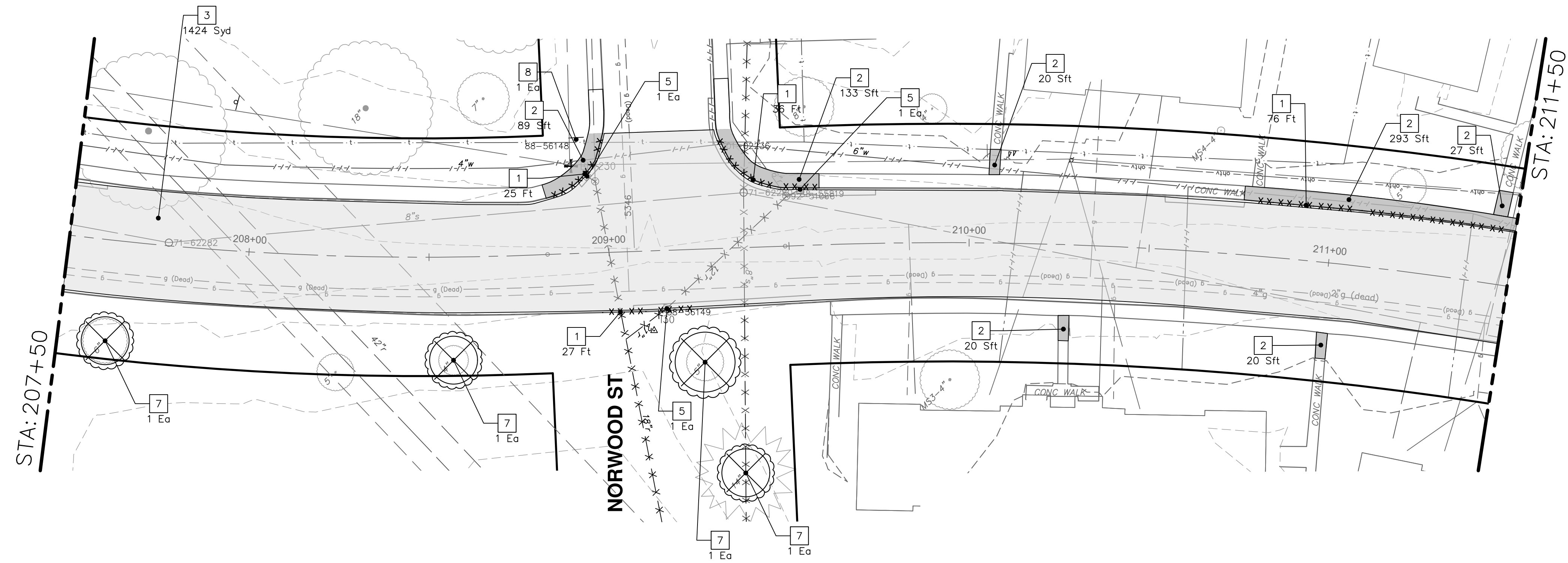
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 WHITEWOOD STREET
 REMOVAL PLAN (STA 200+00. TO STA 207+50)

SCALE PLAN: 1" = 20'
 DRAWING No. 2022-031-57



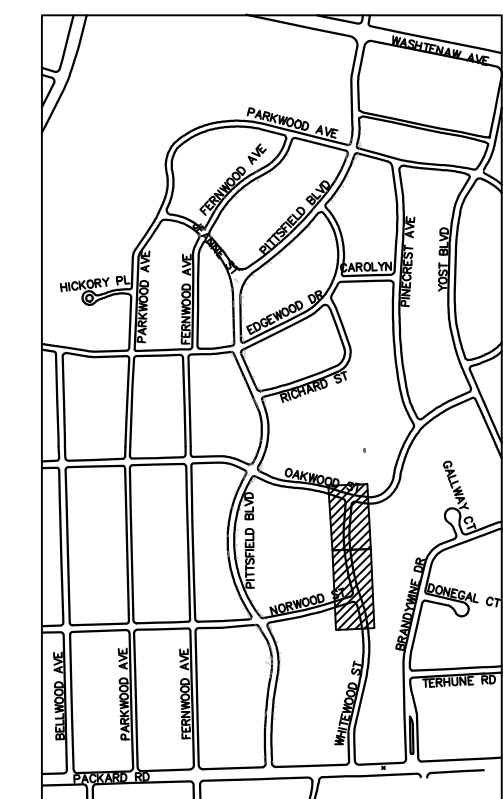
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00	BID SET	12-19-2024			

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

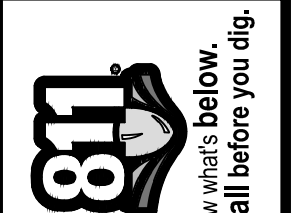
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 REMOVAL PLAN (STA 207+50 TO STA 214+43)

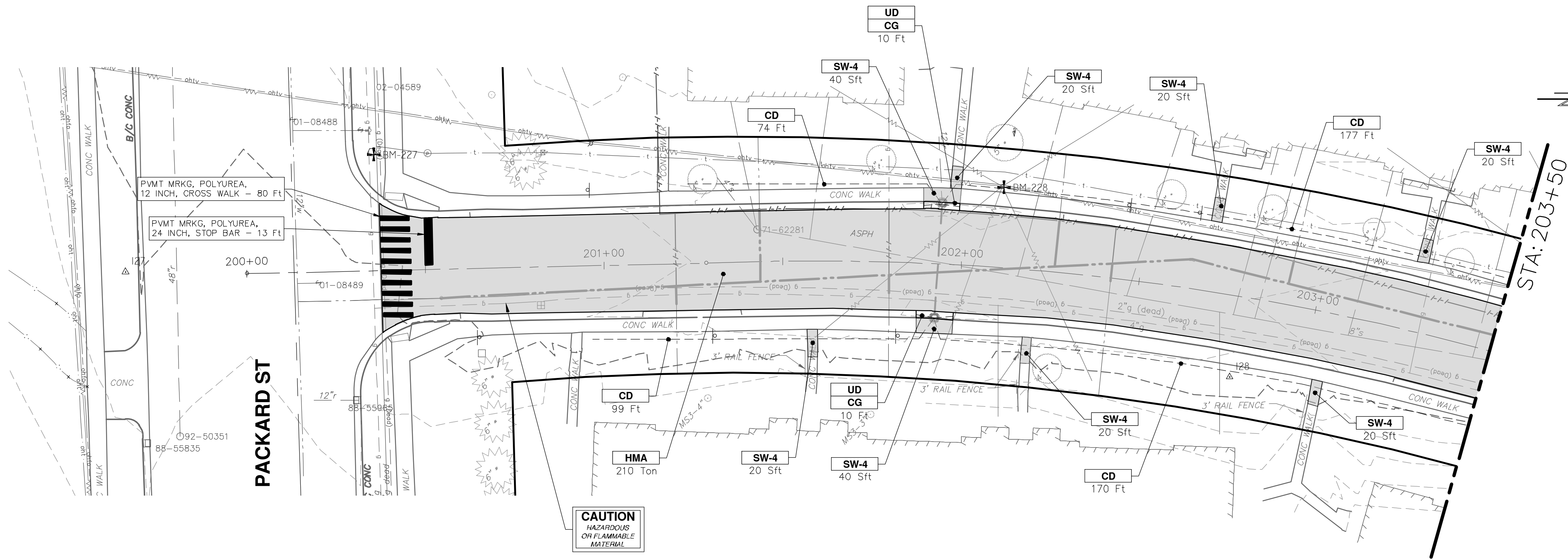
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 SHEET No. 58 OF 161

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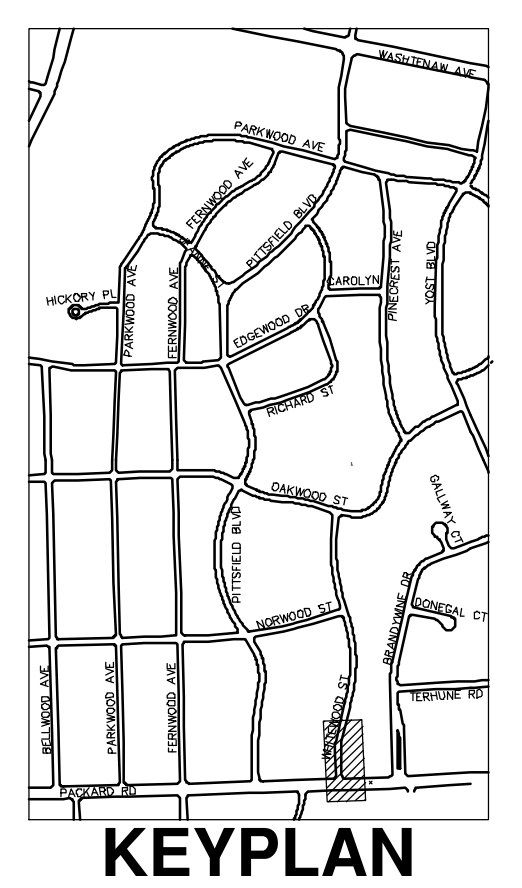
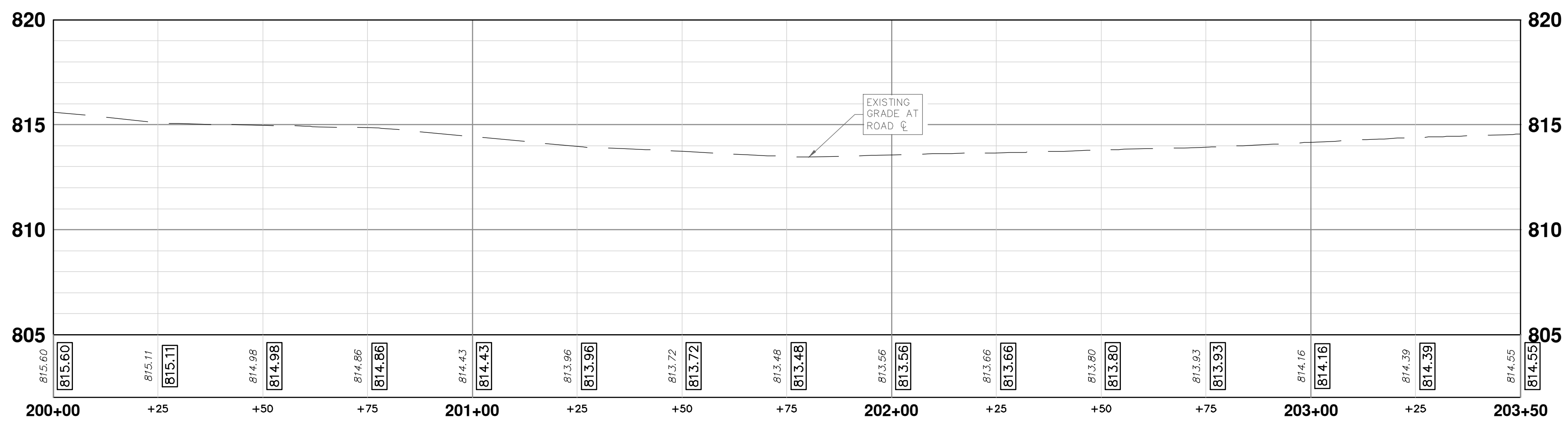


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WHITEWOOD STREET



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



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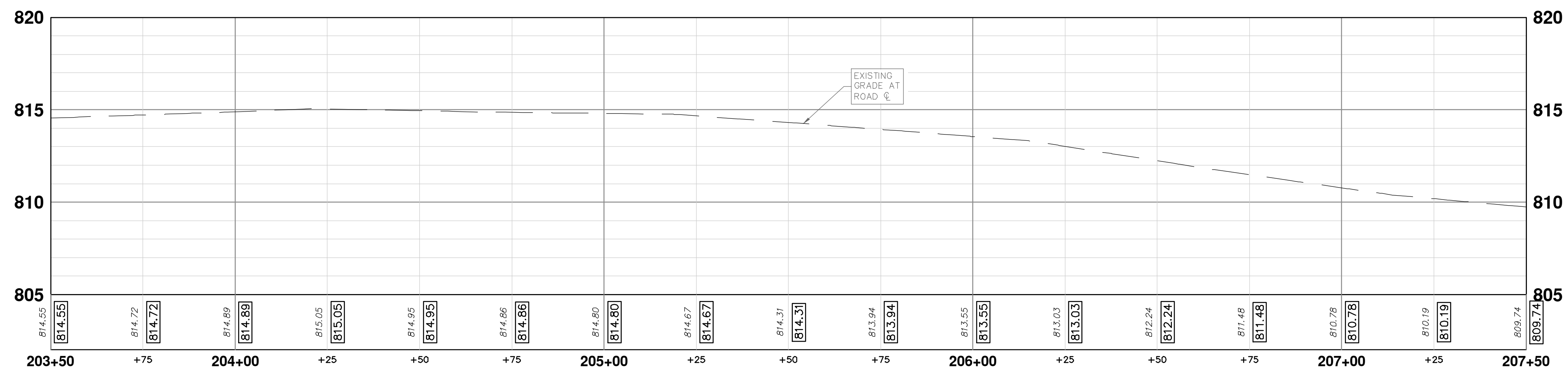
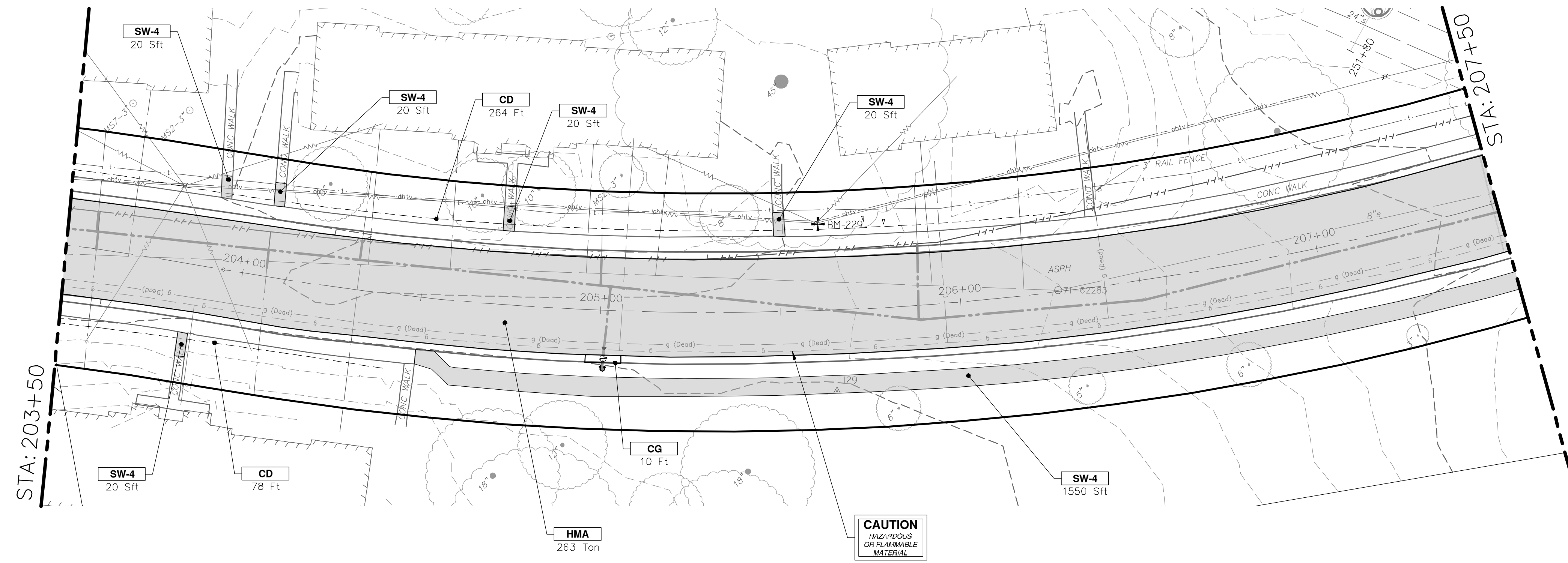
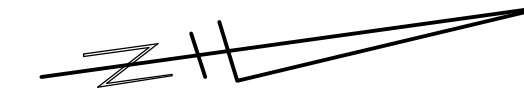
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PITTSFIELD VILLAGE IMPROVEMENTS
WHITEWOOD STREET
ROAD PLAN (STA 200+00 TO STA 203+50)

SHEET No. 59 OF 161
DRAWING No. 2022-031-59
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

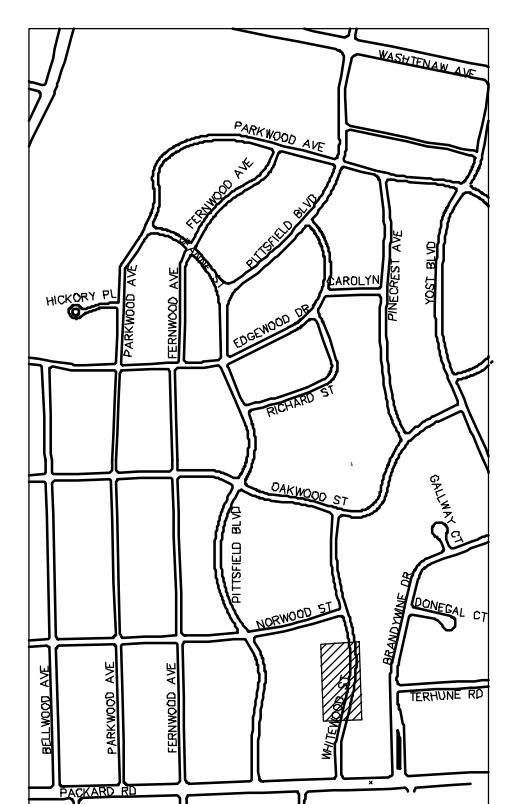
REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050WHITEWOOD_CON.dwg Dwg Created: 17-Dec-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

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

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

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

SHEET No. **60 OF 161**

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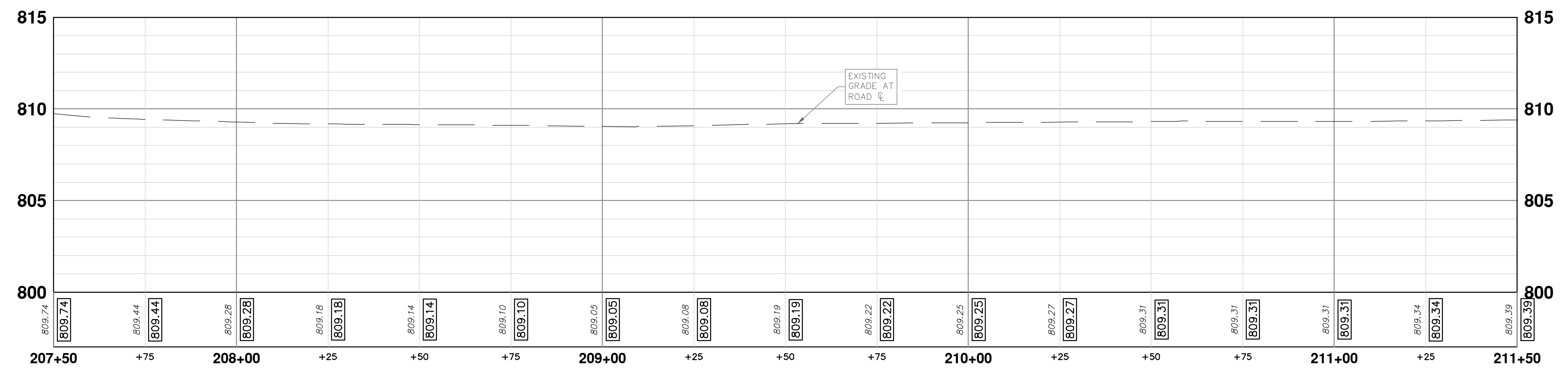
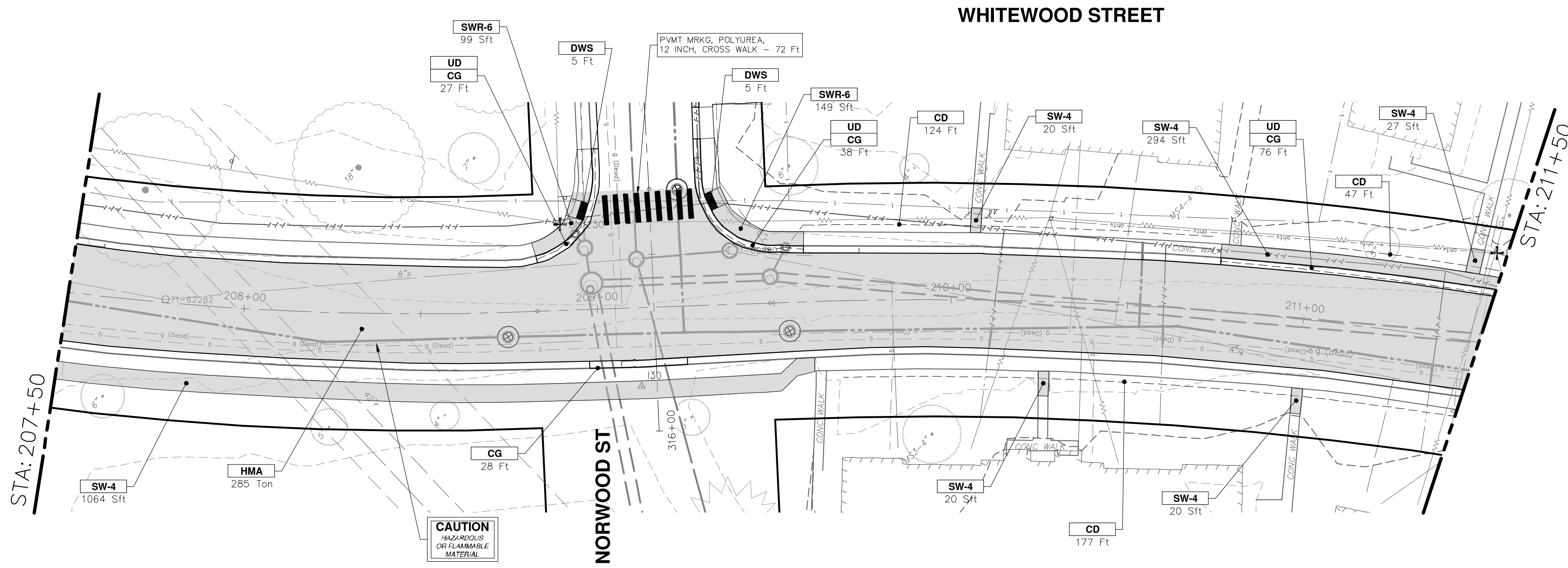
ANN ARBOR MICHIGAN

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

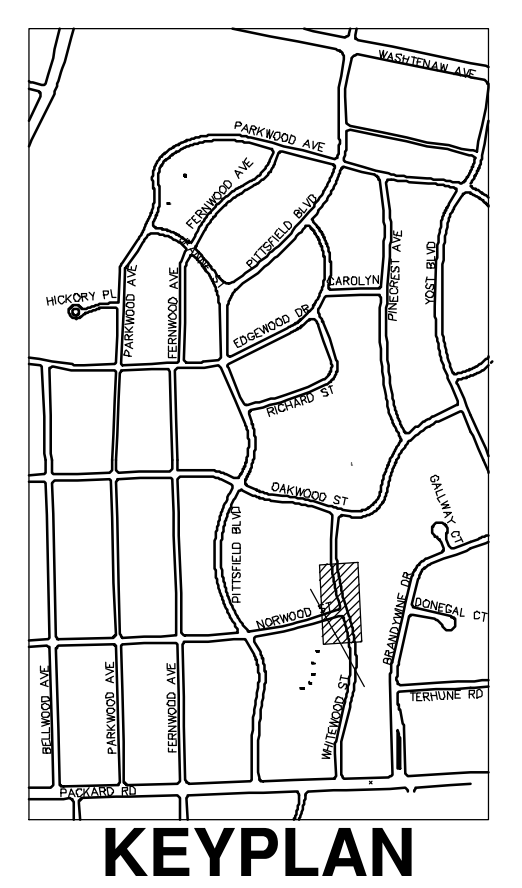
DRAWING No. **2022-031-60**

REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			
			SM	CE	CHECKED

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050WHITEWOOD_CON.dwg Dwg Created: 17-Dec-24 - _o2 standard bw.stb - Plot Date: 19-Dec-24



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

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PITTSFIELD VILLAGE IMPROVEMENTS
 WHITEWOOD STREET
 ROAD PLAN (STA 207+50 TO STA 211+50)

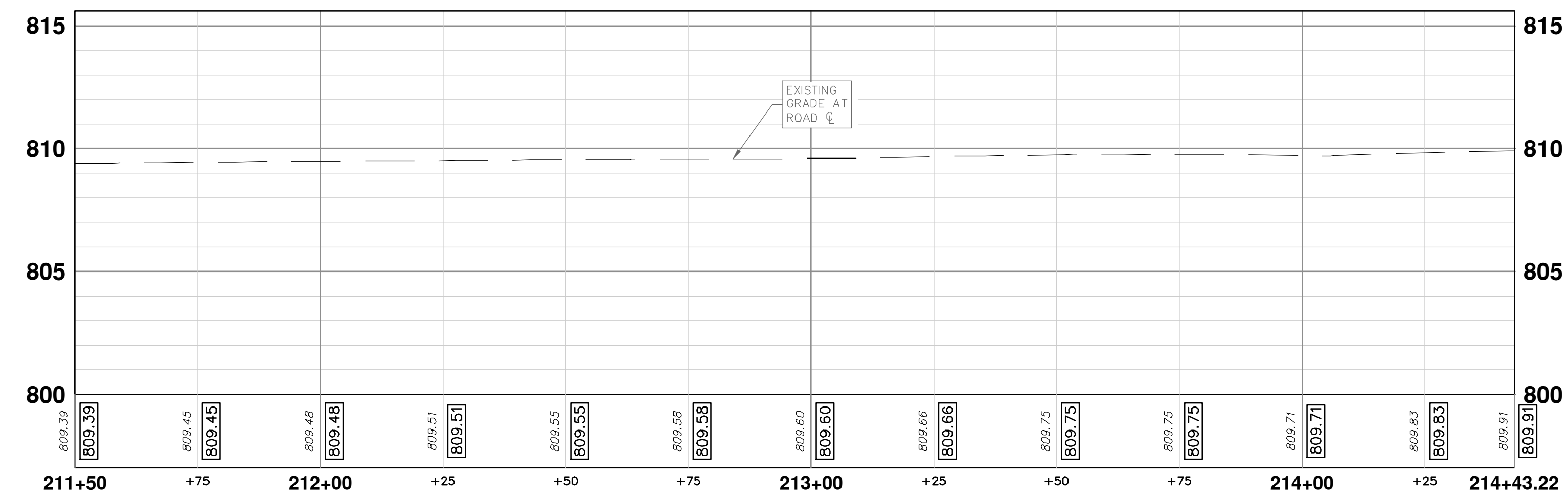
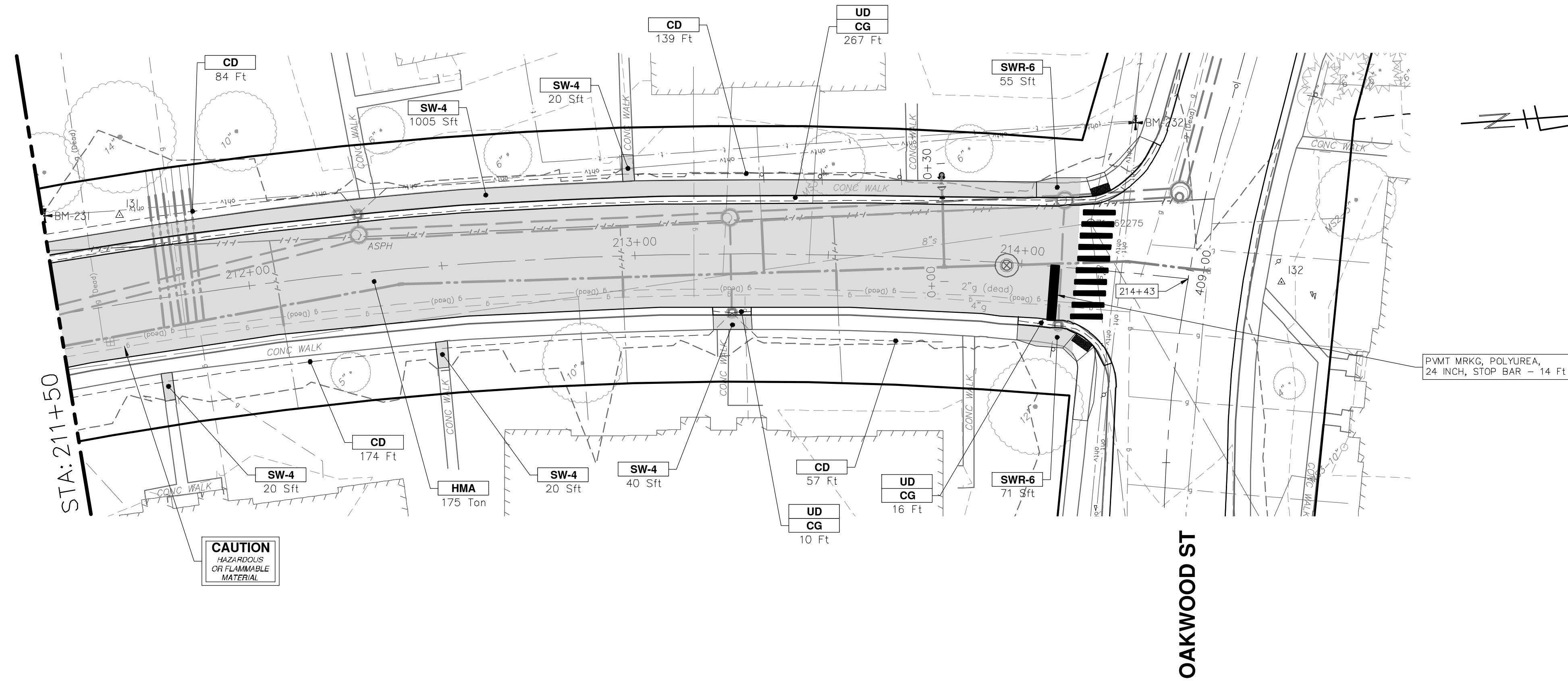
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KEYPLAN

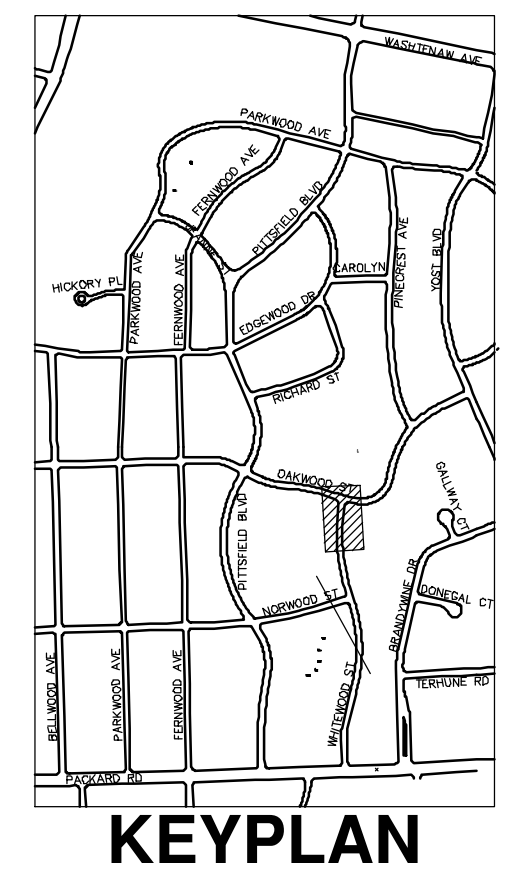
SHEET No. **61 OF 161**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050WHITEWOOD_CON.dwg Dwg Created: 17-Dec-24 - _o2 standard bw.stb - Plot Date: 19-Dec-24

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



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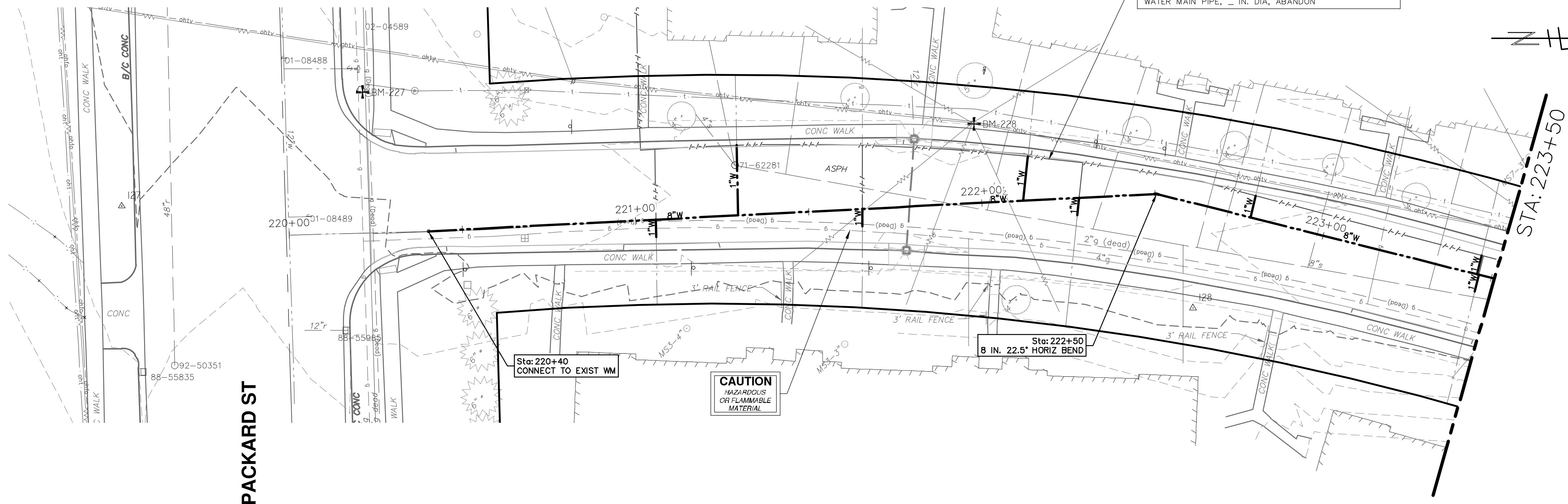
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
WHITEWOOD STREET
ROAD PLAN (STA 211+50 TO STA 214+43)

SHEET No. 62 OF 161
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-62

REV. DESCRIPTION DATE SM DRAWN CE CHECKED

P:\0000_01000\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050WHTEWOOD_WM.dwg Dwg Created: 12-Dec-24 - _a2_standard_bv.stb - Plot Date: 18-Dec-24

WHITWOOD STREET



ABANDON EXISTING 4" 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"

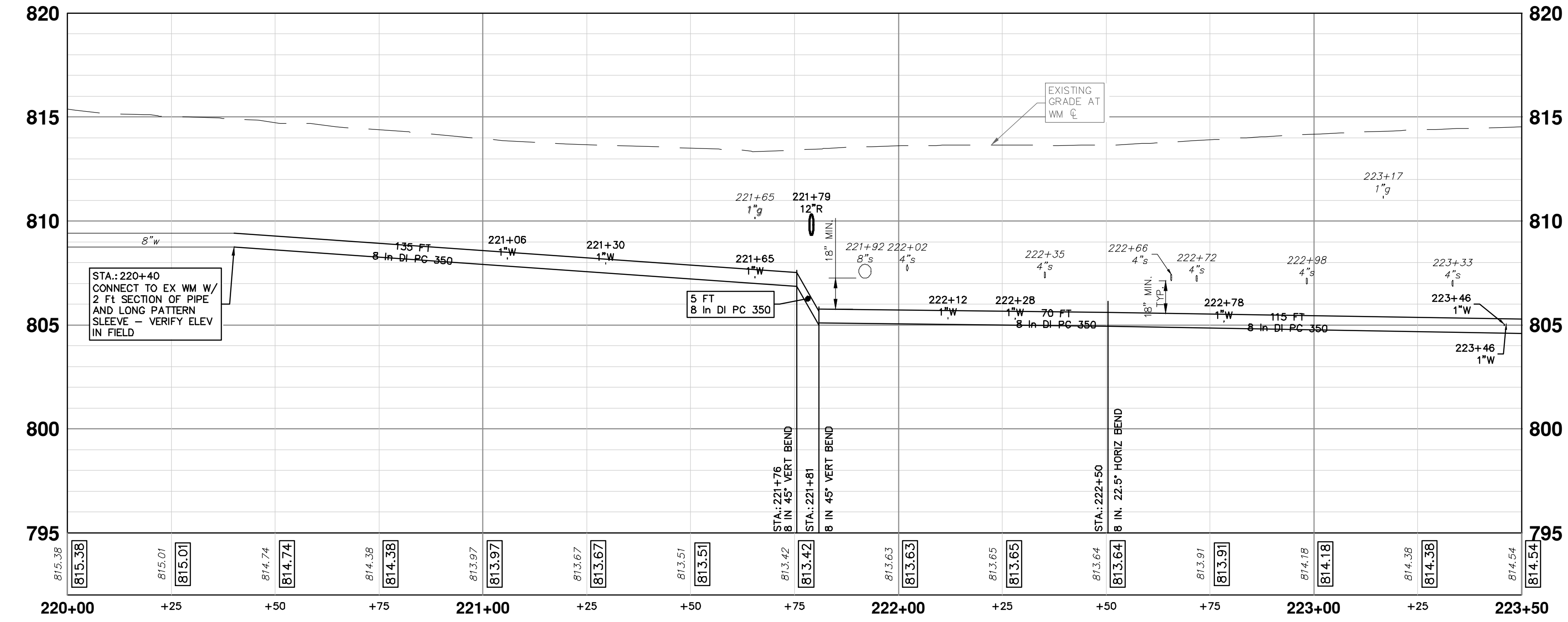
Sta: 220+40
CONNECT TO EXIST WM

CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL

Sta: 222+50
8 IN. 22.5° HORIZ BEND

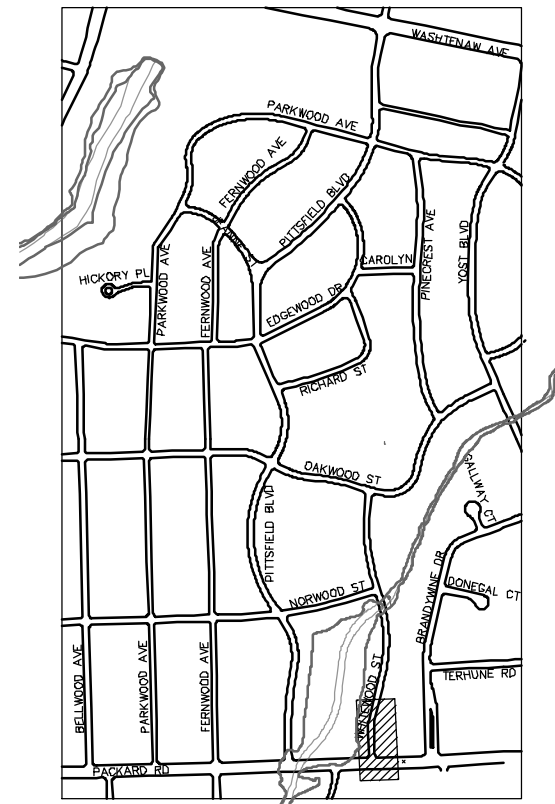
STA: 223+50

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



STA: 220+40
CONNECT TO EX WM W/
2 FT SECTION OF PIPE
AND LONG PATTERN
SLEEVE - VERIFY ELEV
IN FIELD

EXISTING
GRADE AT
WM E



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PITTSFIELD VILLAGE IMPROVEMENTS

WHITEWOOD STREET

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

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

DRAWING No. 2022-031-63

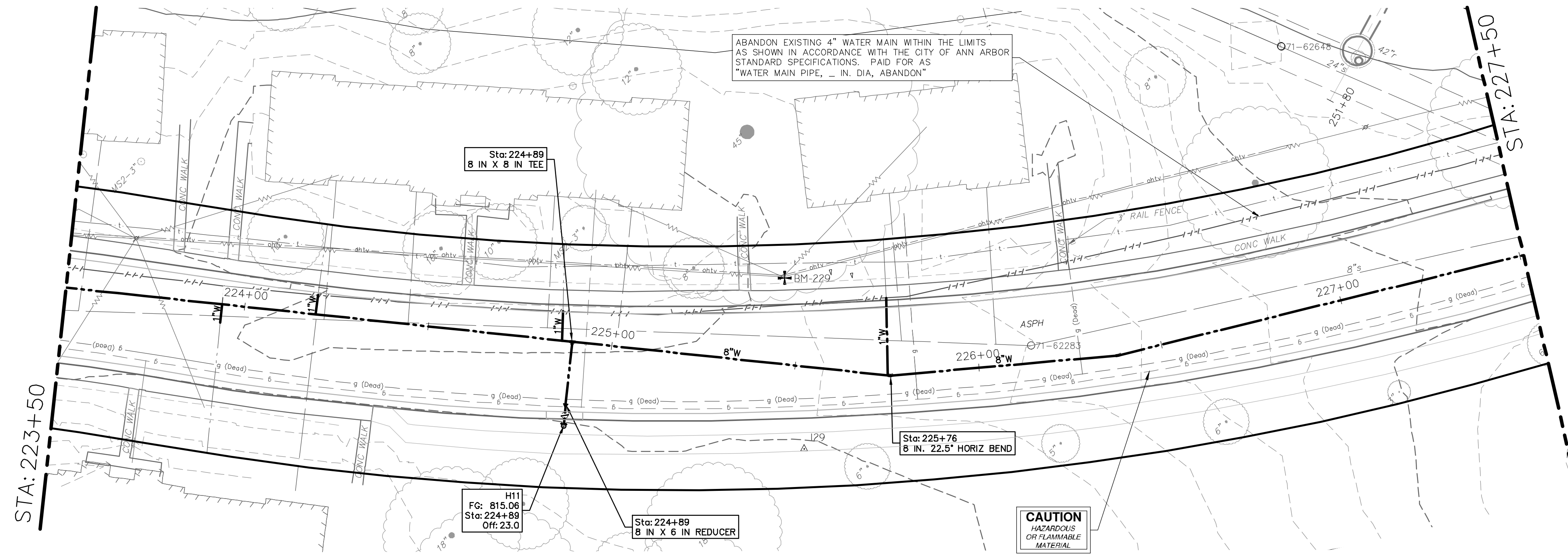
SHEET No. 63 OF 161

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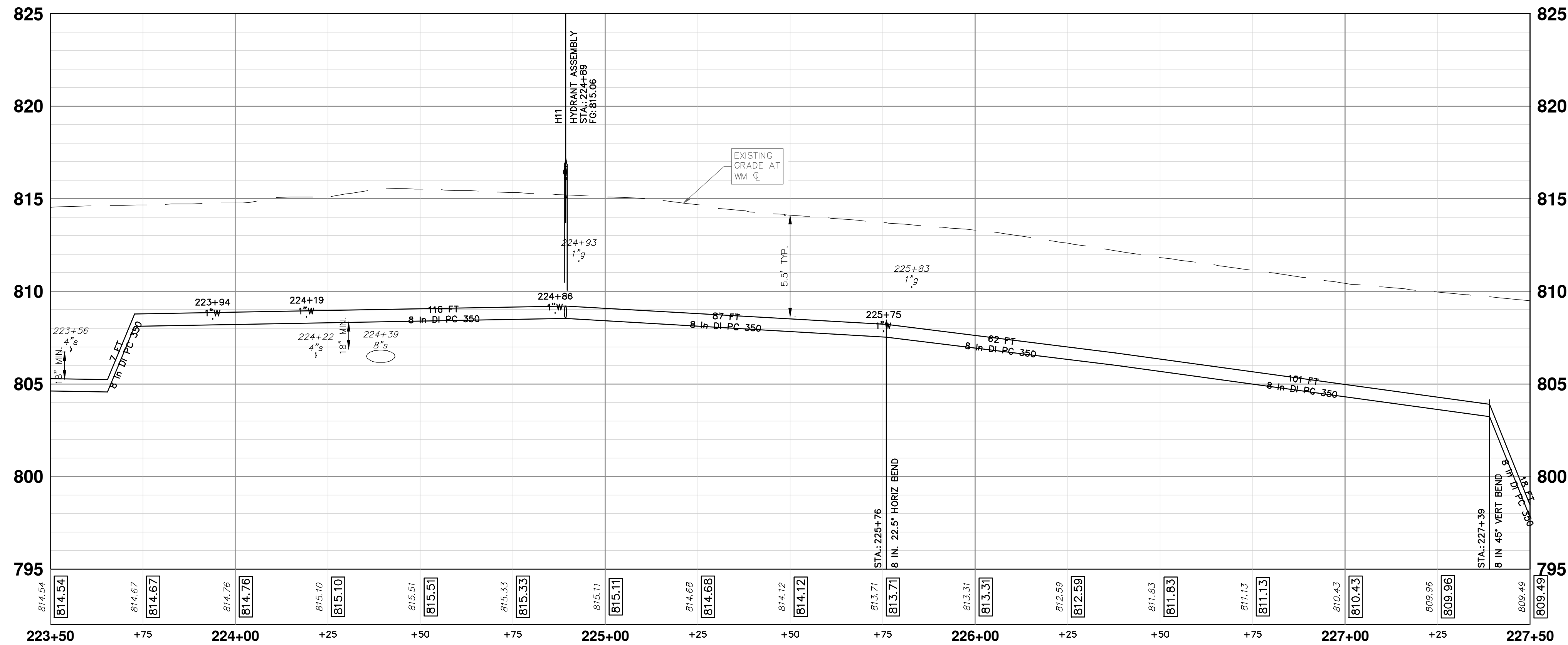
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01	12-19-2024	SM DRAWN
02		CE CHECKED

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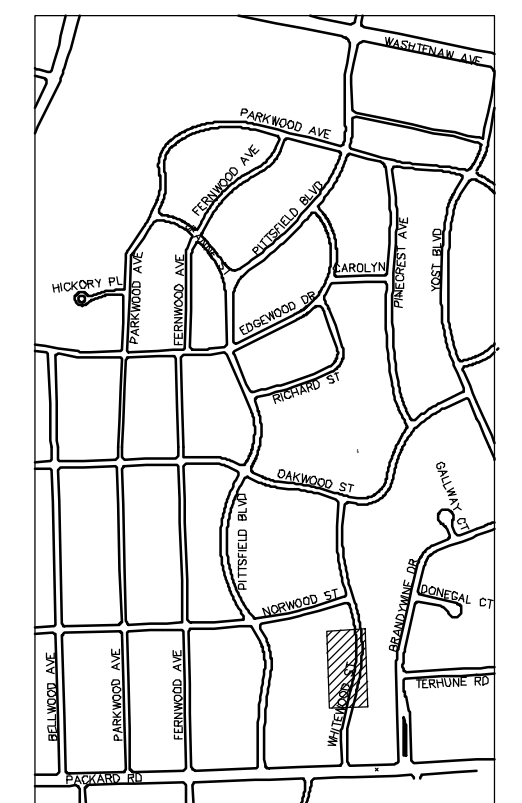
WHITEWOOD STREET



- WATER MAIN NOTES:
- 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
H11	HYDRANT ASSEMBLY	224+89	815.06	6.42



KEYPLAN



REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE
			SM	CE

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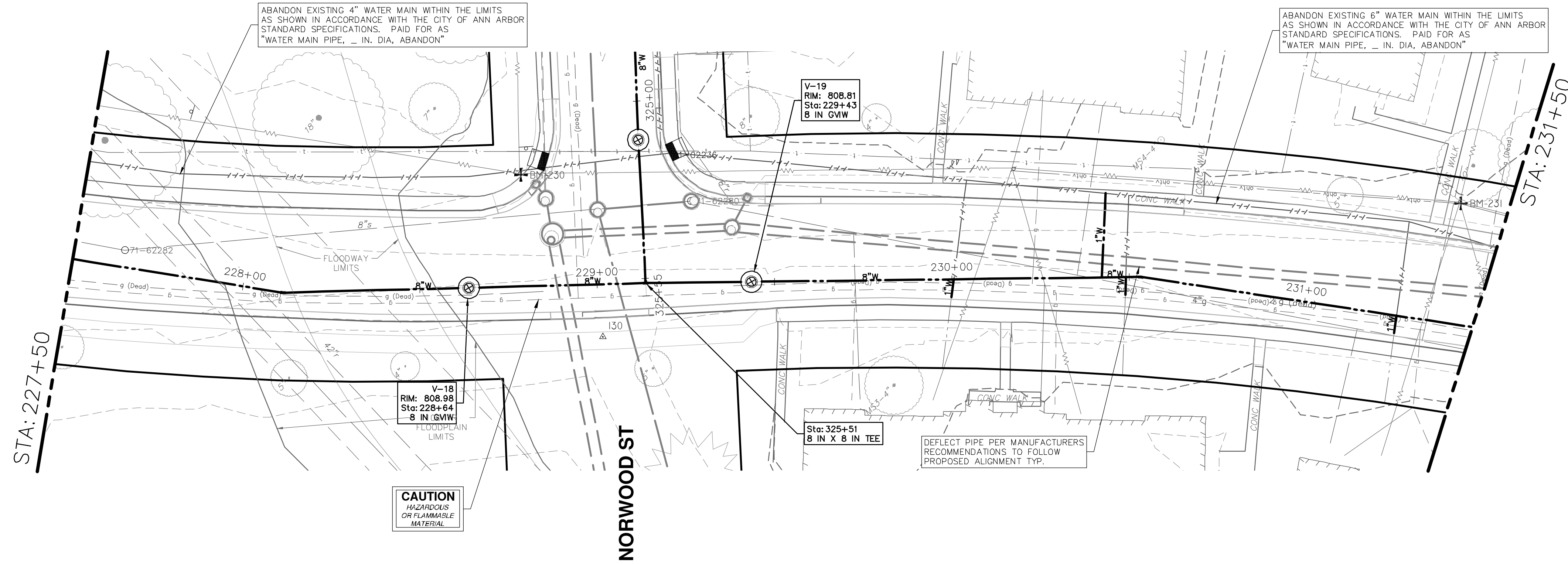
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
WHITEWOOD STREET
WATER MAIN PLAN (STA 223+50 TO STA 227+50)

SHEET No. 64 OF 161
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-64

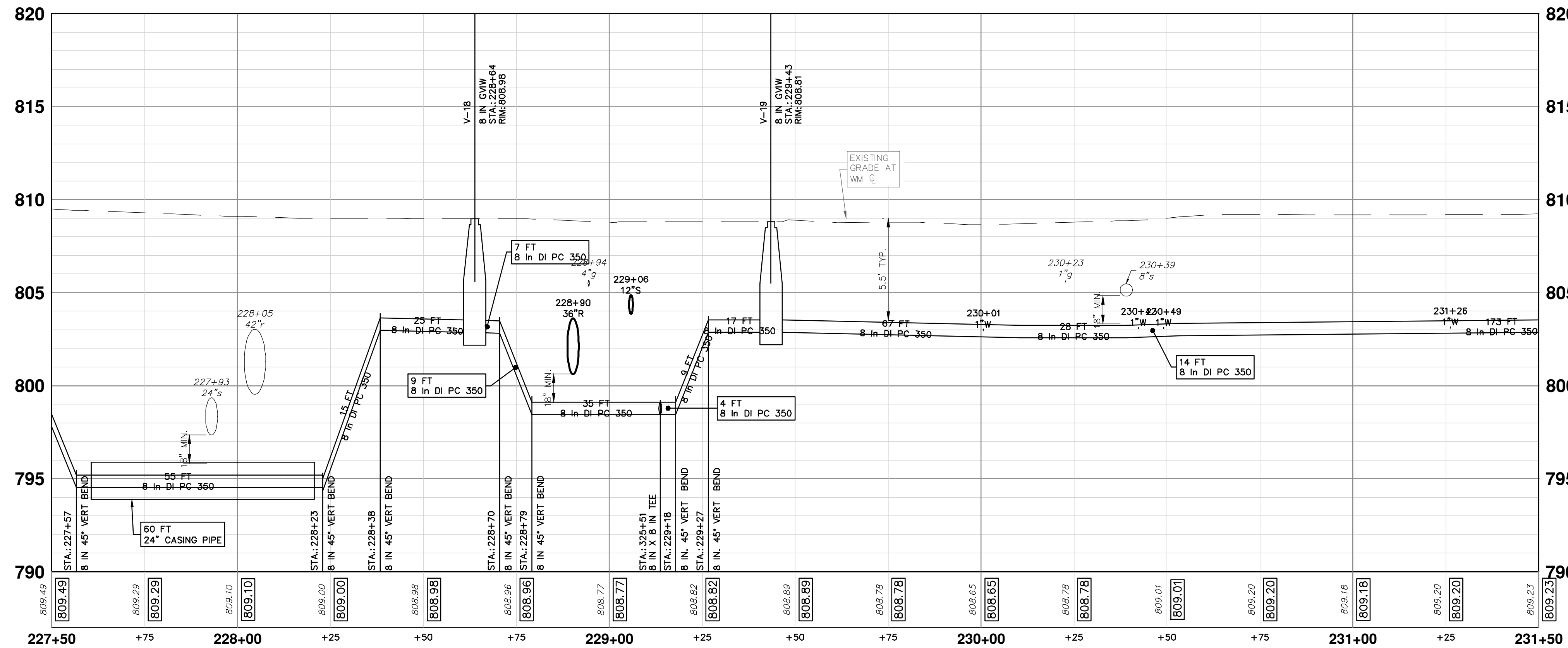
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_WM.dwg Dwg Created: 12-Dec-24 - _a2_standard bw.stb - Plot Date: 18-Dec-24

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050WHITEWOOD_MM.dwg Dwg Created: 12-Dec-24 - _a2_standard bw.stb - Plot Date: 18-Dec-24

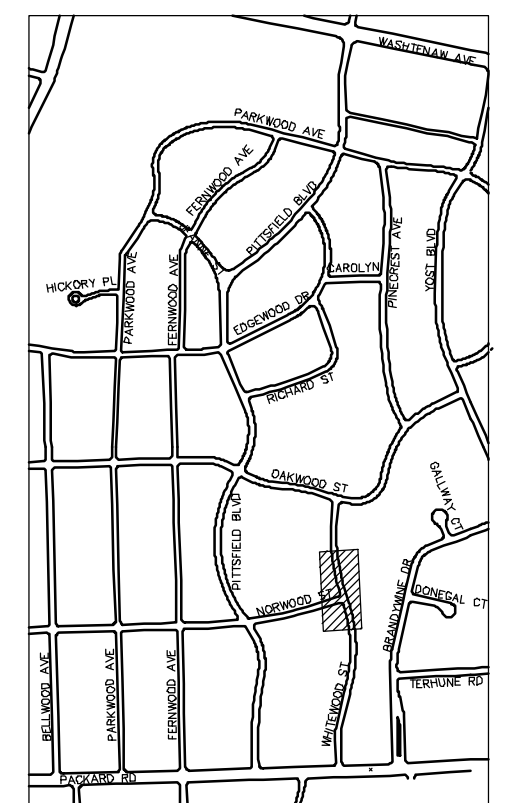
WHITEWOOD STREET



- WATER MAIN NOTES:**
- 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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 - 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-18	8 in GIW	228+64	808.98	6.14
V-19	8 in GIW	229+43	808.81	5.94



KEYPLAN



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01	12-19-2024	SM DRAWN
02		CE CHECKED

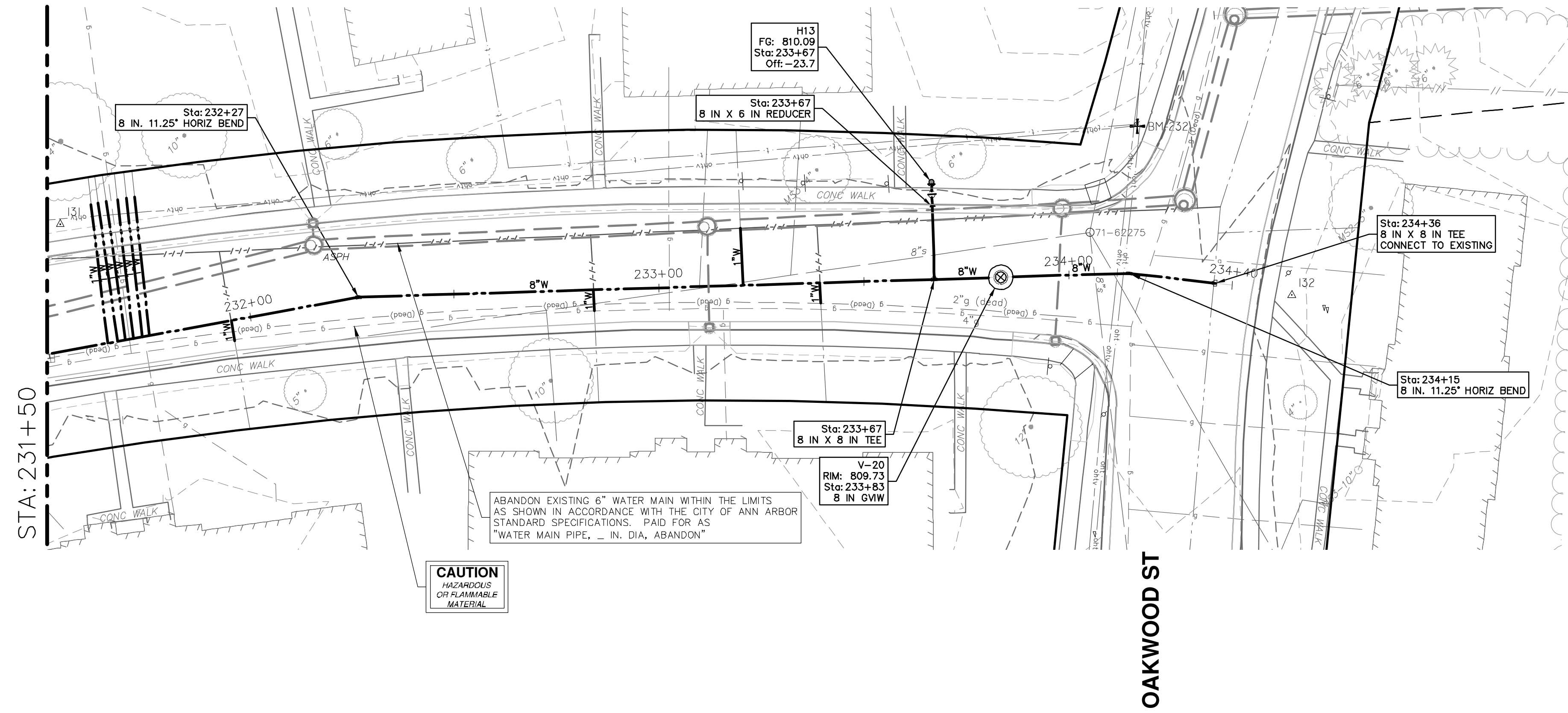
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WHITEWOOD STREET
WATER MAIN PLAN (STA 227+50 TO STA 231+50)

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING NO.: 2022-031-65

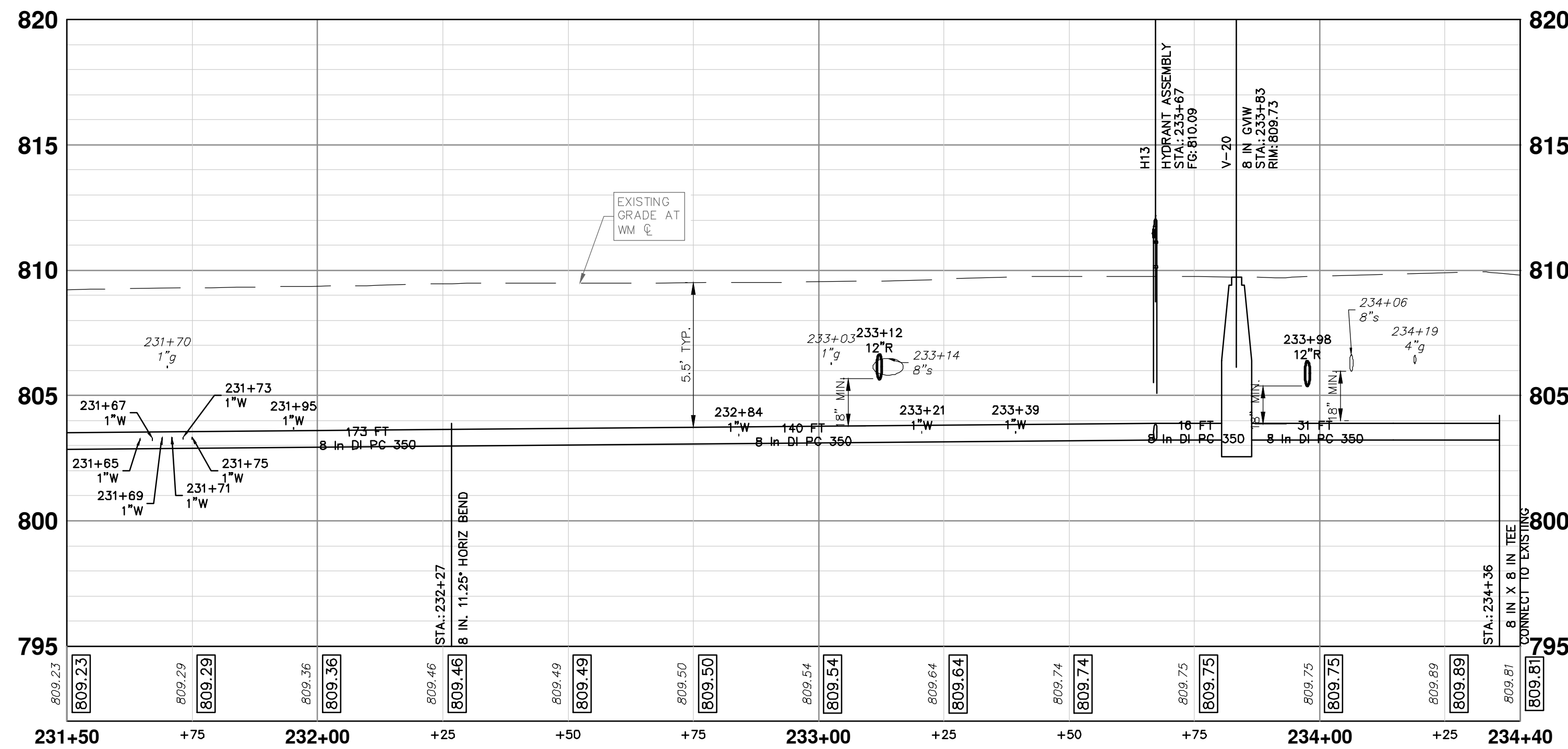
WHITEWOOD STREET



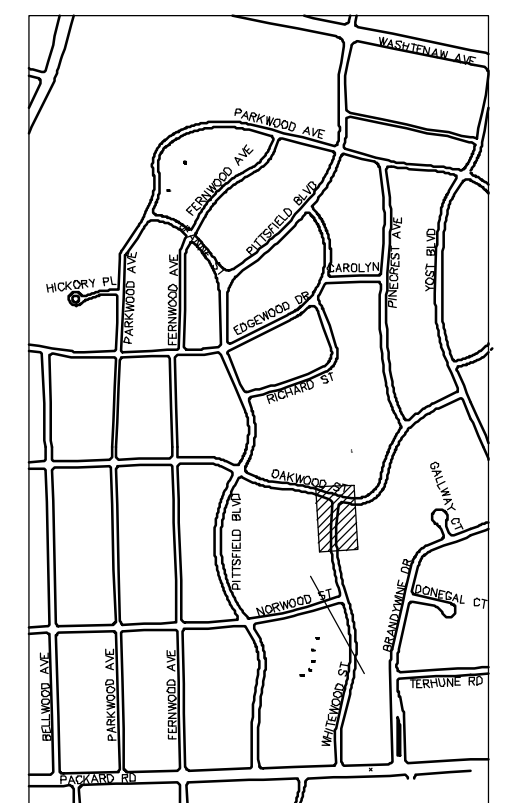
CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL

ABANDON EXISTING 6" 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:**
- 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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 - 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
H13	HYDRANT ASSEMBLY	233+67	810.09	6.79
V-20	8 in GVIW	233+83	809.73	6.51



KEYPLAN



REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

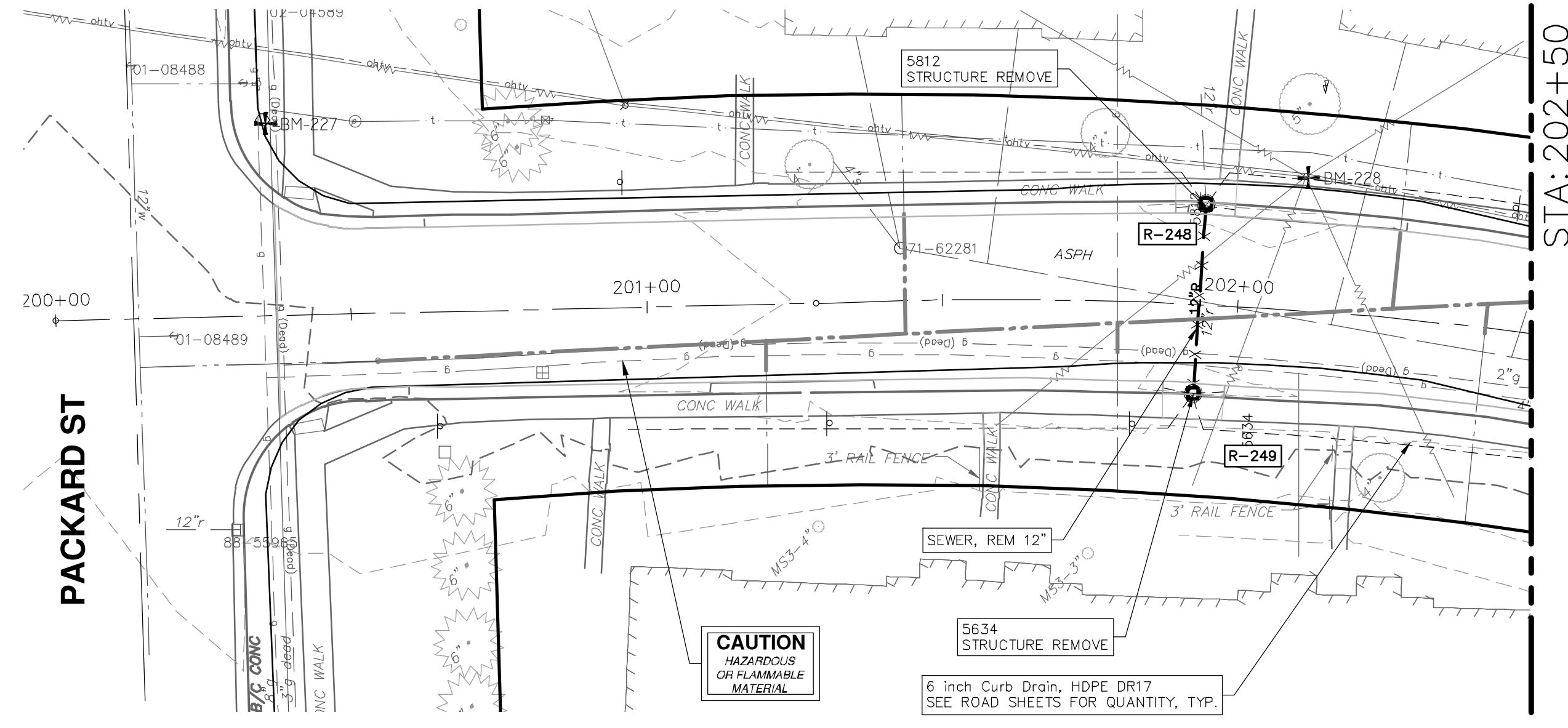
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WHITEWOOD STREET
WATER MAIN PLAN (STA 231+50 TO STA 234+50)

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-66

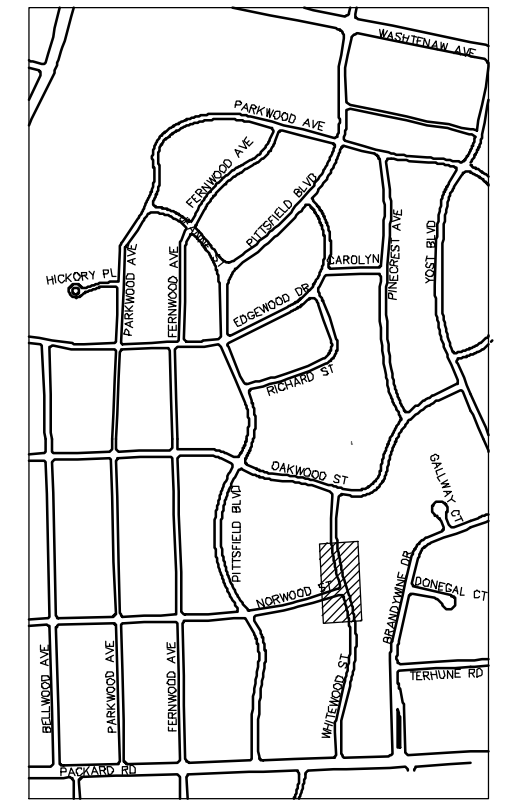
WHITEWOOD STREET



STA: 202+50



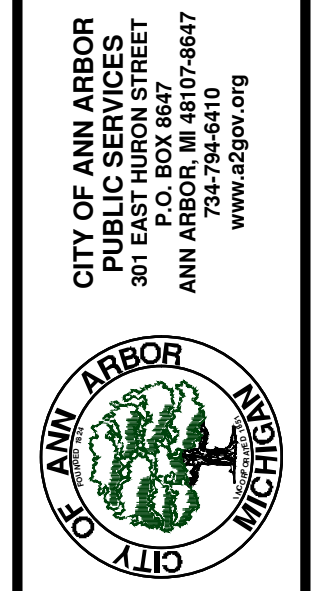
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-248	201+94	2' Inlet	813.00	12" E 809.01 12" W 808.91	6.09	2'
R-249	201+93	2' Inlet	813.00	12" W 809.53	5.47	2'



KEYPLAN

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PITTSFIELD VILLAGE IMPROVEMENTS
 WHITEWOOD STREET
 STORM SEWER PLAN (STA 200+00 TO STA 202+50)

SCALE PLAN: ##### PROFILE: 1" = 4'
 DRAWING No. 2022-031-67



REV.	DESCRIPTION	DATE	SM	CE	CHECKED
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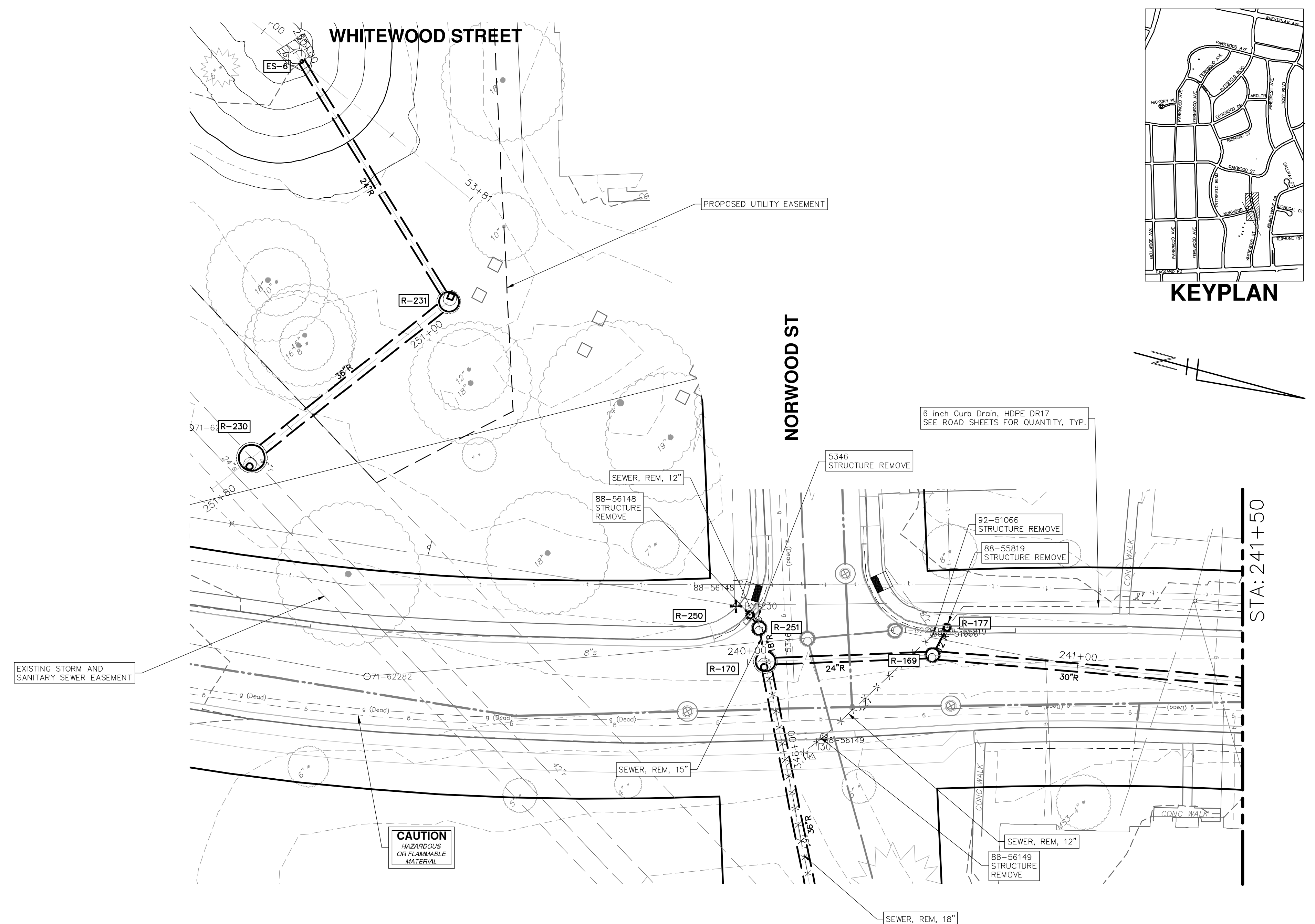
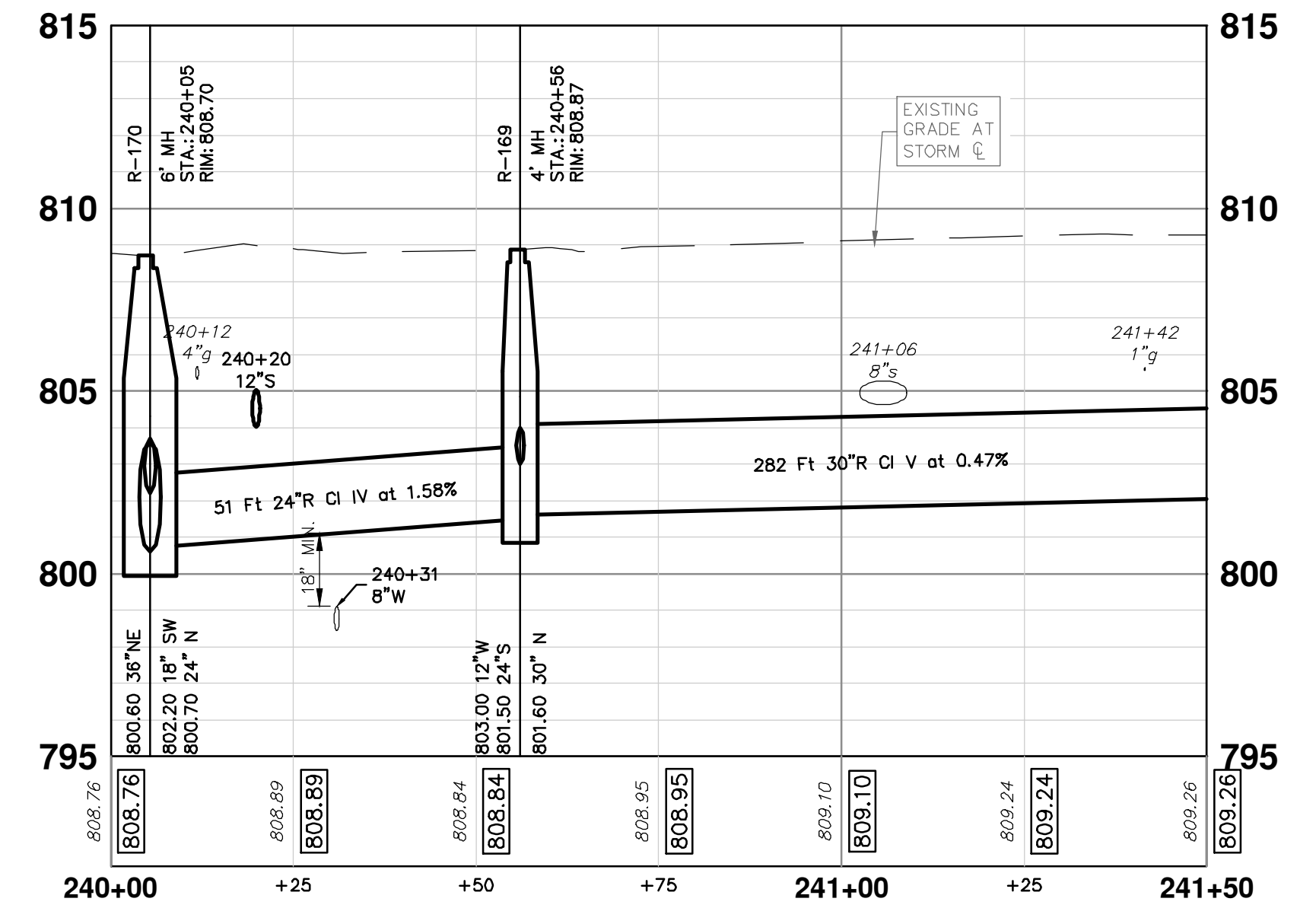
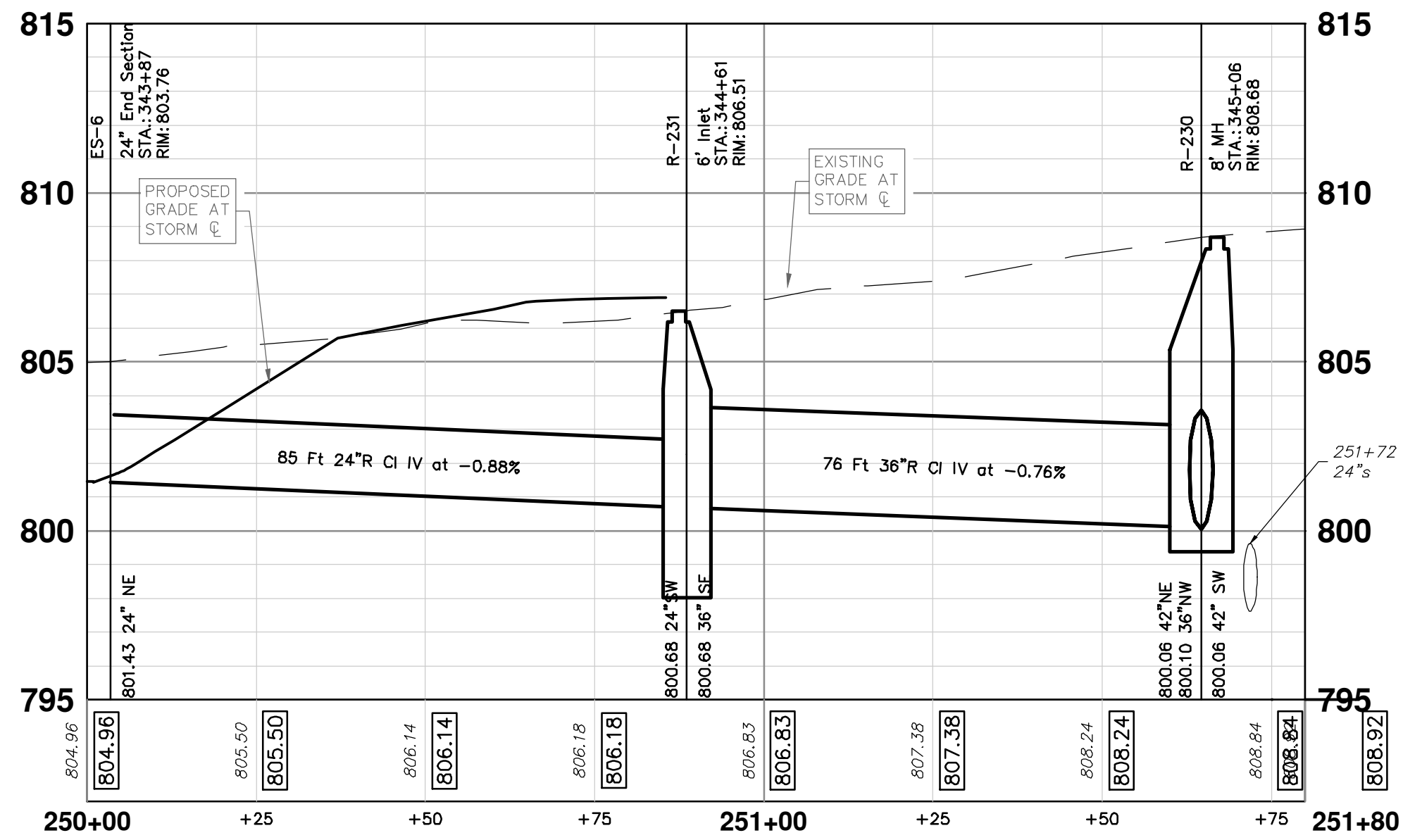


P:\0000_01000\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050WHITEWOOD_STM.dwg Dwg Created: 12-Dec-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

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	7.37	0'
R-170	240+05	6' MH	808.70	18" SW 802.20 24" N 800.70 36" NE 800.60	8.10	0'
R-177	240+60	2' Inlet	808.27	12" E 803.50	6.77	2'
R-250	240+01	2' Inlet	808.20	12" NE 803.50	6.70	2'
R-251	345+62	4' MH	808.53	15" W 802.39 18" NE 802.26 12" SW 803.00	6.27	0'

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%	



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PITTSFIELD VILLAGE IMPROVEMENTS
WHITEWOOD STREET

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

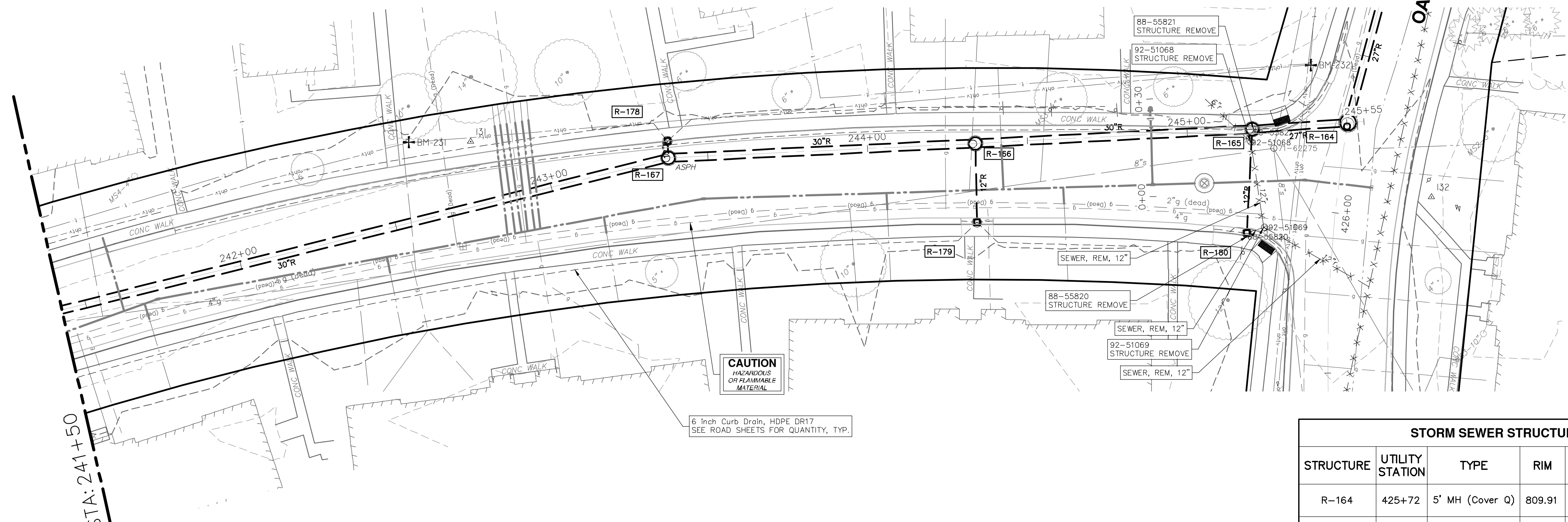
SHEET No. 68 OF 161

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-68

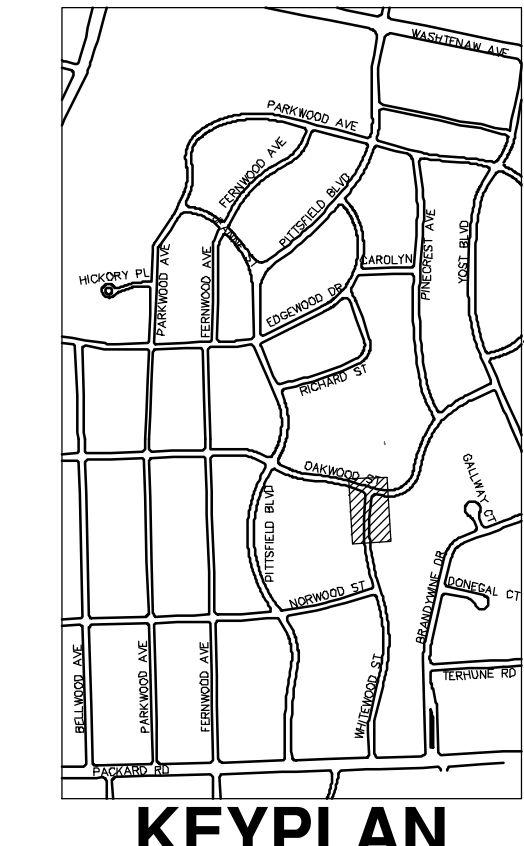
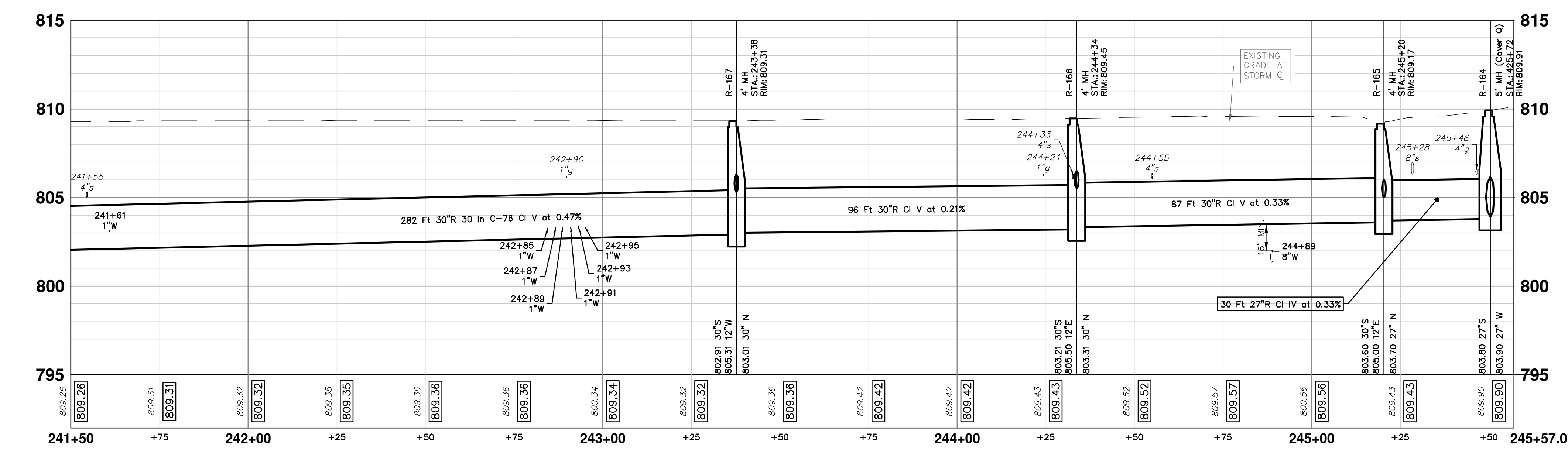
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P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050WHITEWOOD_STM.dwg Dwg Created: 12-Dec-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

WHITEWOOD STREET



STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-164	425+72	5' MH (Cover Q)	809.91	27" W 803.90 27" S 803.80	6.11	0'
R-165	245+20	4' MH	809.17	27" N 803.70 30" S 803.60 12" E 805.00	5.57	0'
R-166	244+34	4' MH	809.45	30" N 803.31 30" S 803.21 12" E 805.50	6.24	0'
R-167	243+38	4' MH	809.31	30" N 803.01 30" S 802.91 12" W 805.31	6.40	0'
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 805.75	5.66	2'
R-180	245+17	2' Inlet	809.34	12" W 805.75	5.59	2'



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DATE: 12-19-2024
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DESCRIPTION

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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'

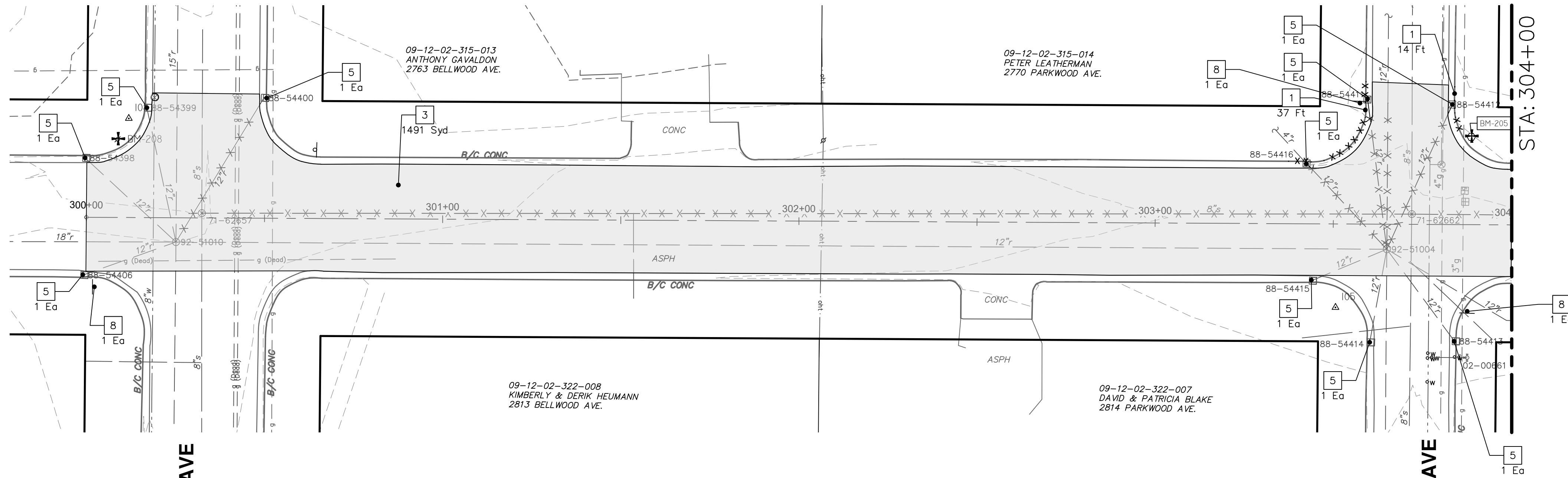
DRAWING No.
2022-031-69

SHEET No.

69 OF 161

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\230050NORWOOD_REM.dwg Dwg Created: 10-Dec-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

NORWOOD STREET



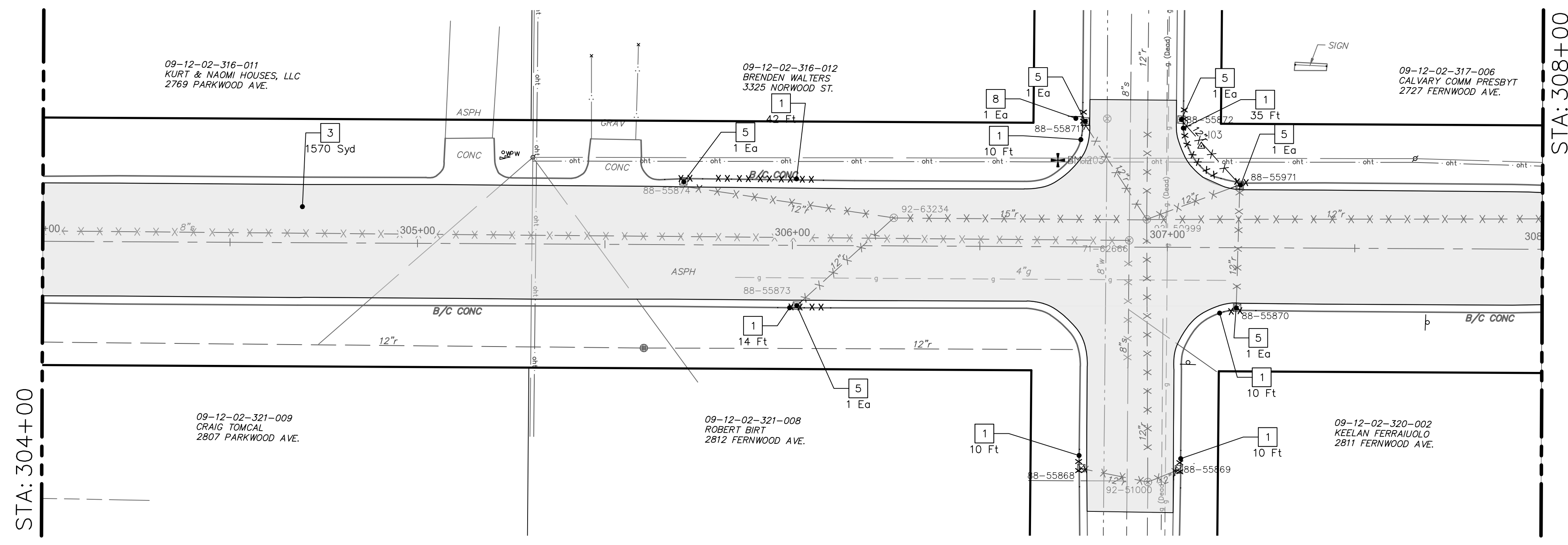
BELLWOOD AVE

PARKWOOD AVE

STA: 304+00

FERNWOOD AVE

STA: 308+00

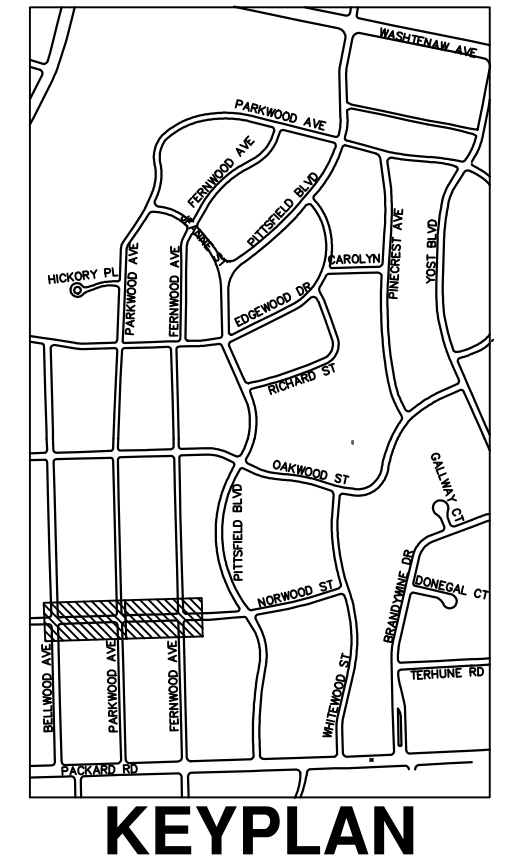


STA: 304+00

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

NORWOOD STREET

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

811
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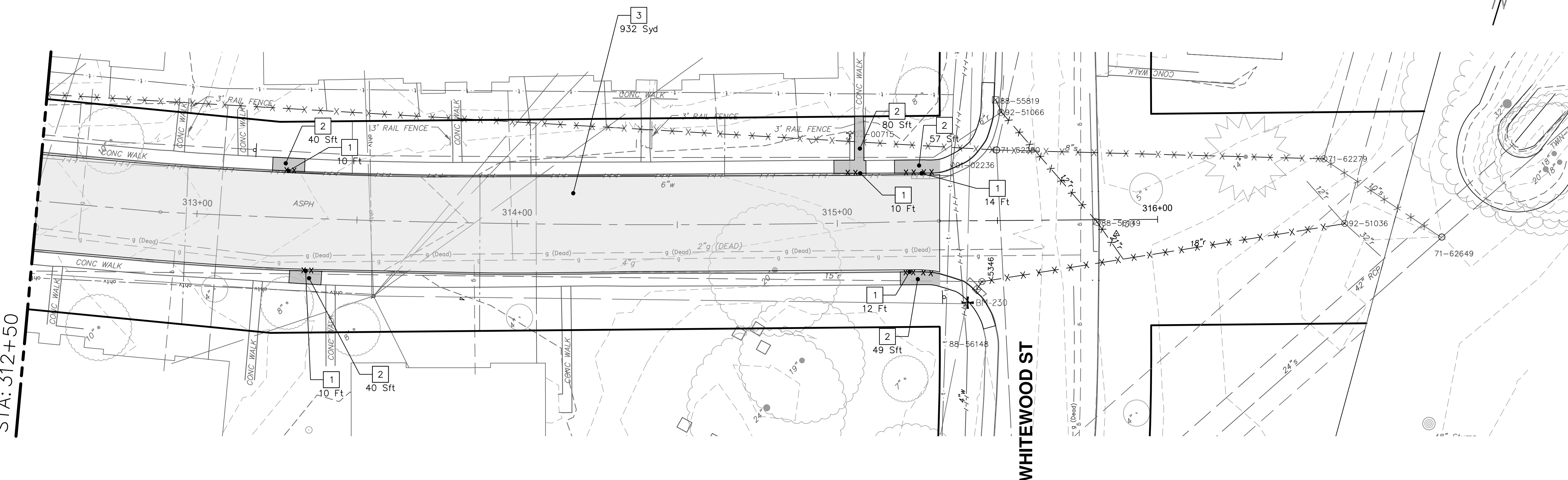
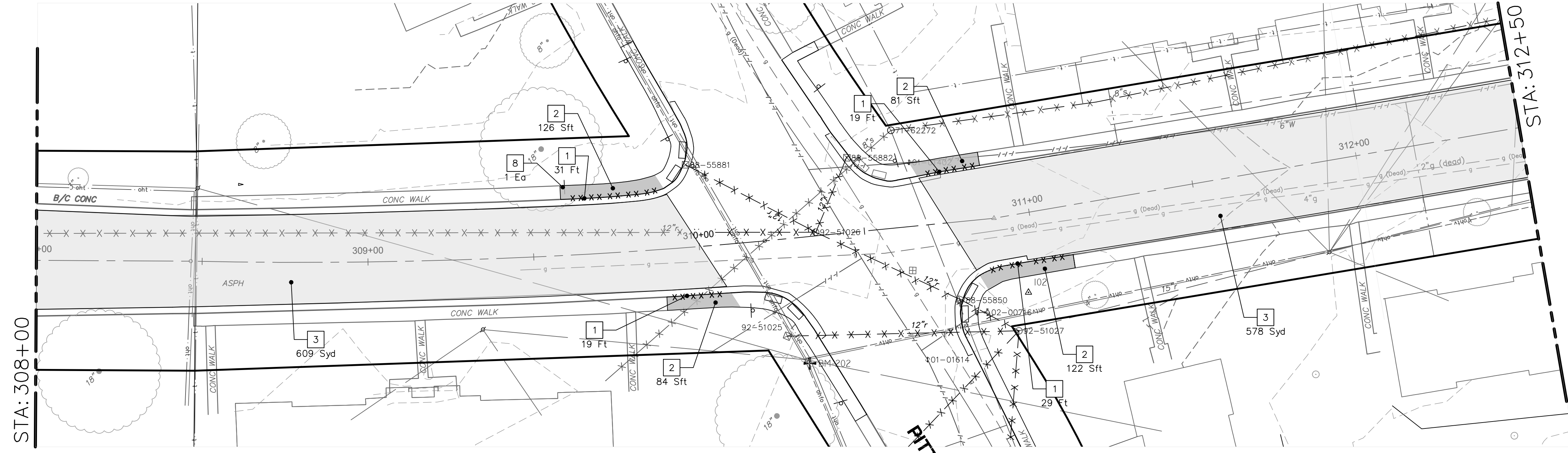
REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

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CITY OF ANN ARBOR
 MICHIGAN

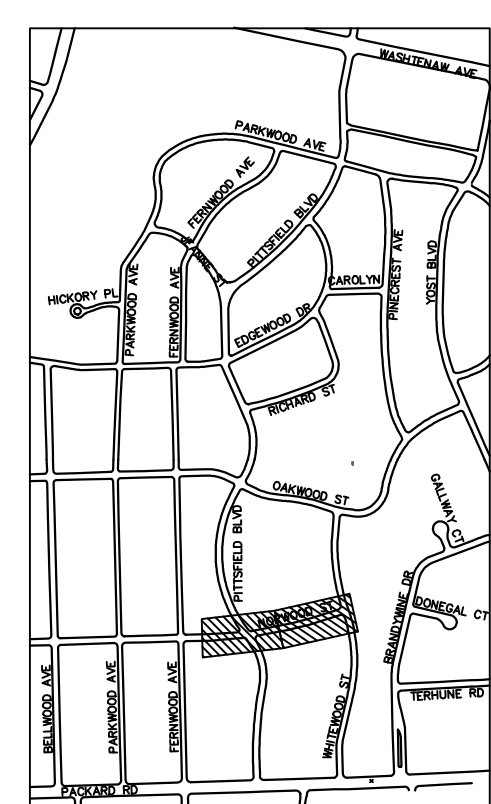
SCALE PLAN: 1" = 20'
 DRAWING NO.: 2022-031-70
 SHEET NO.: 70 OF 161

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

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. 2022-031-71

SHEET No. 71 OF 161

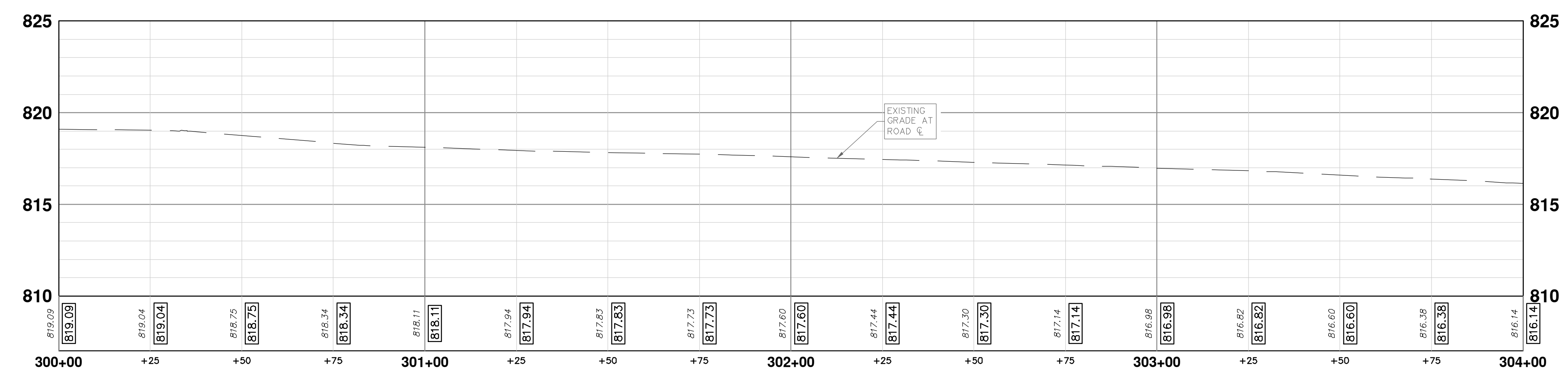
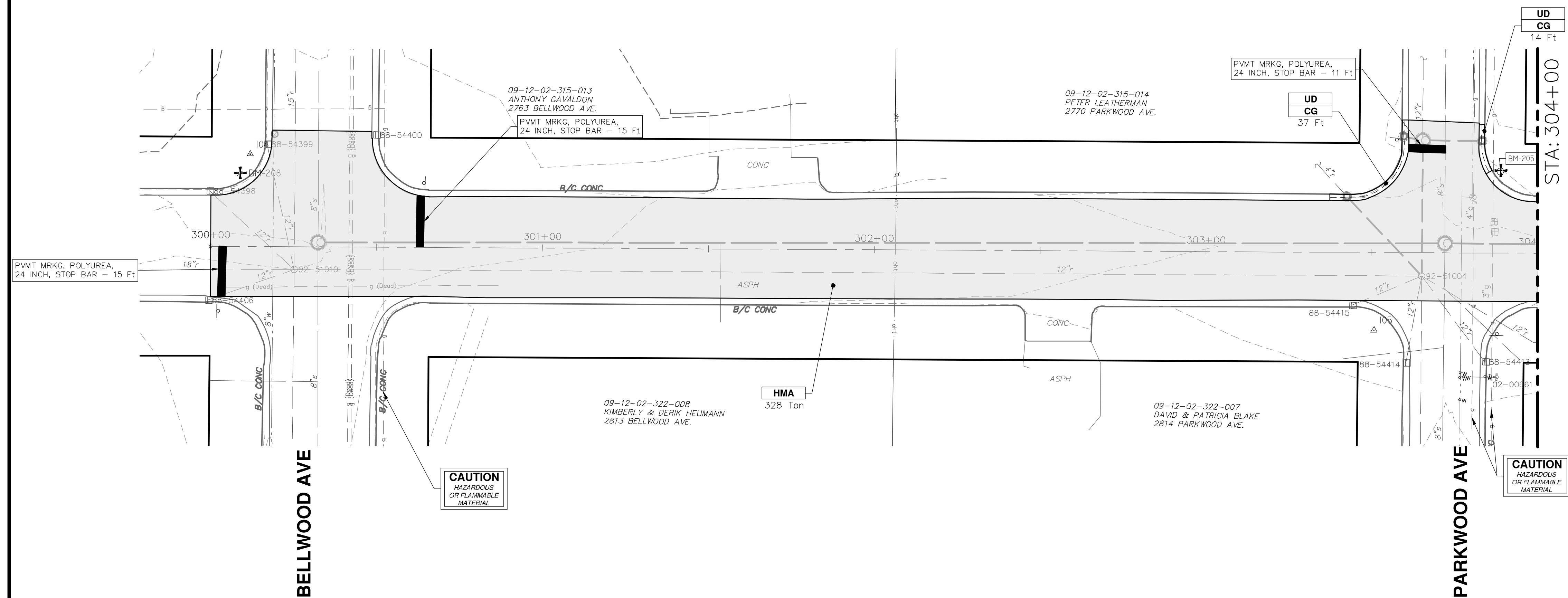
811
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REV.	DATE	DESCRIPTION	DRAWN	CHECKED
00	12-19-2024	BID SET	SM	CE

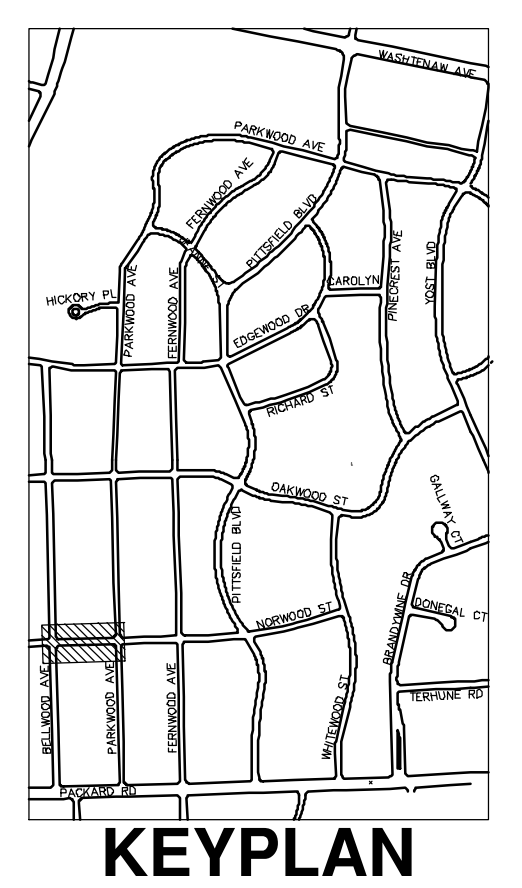
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NORWOOD STREET



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



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. **2022-031-72**

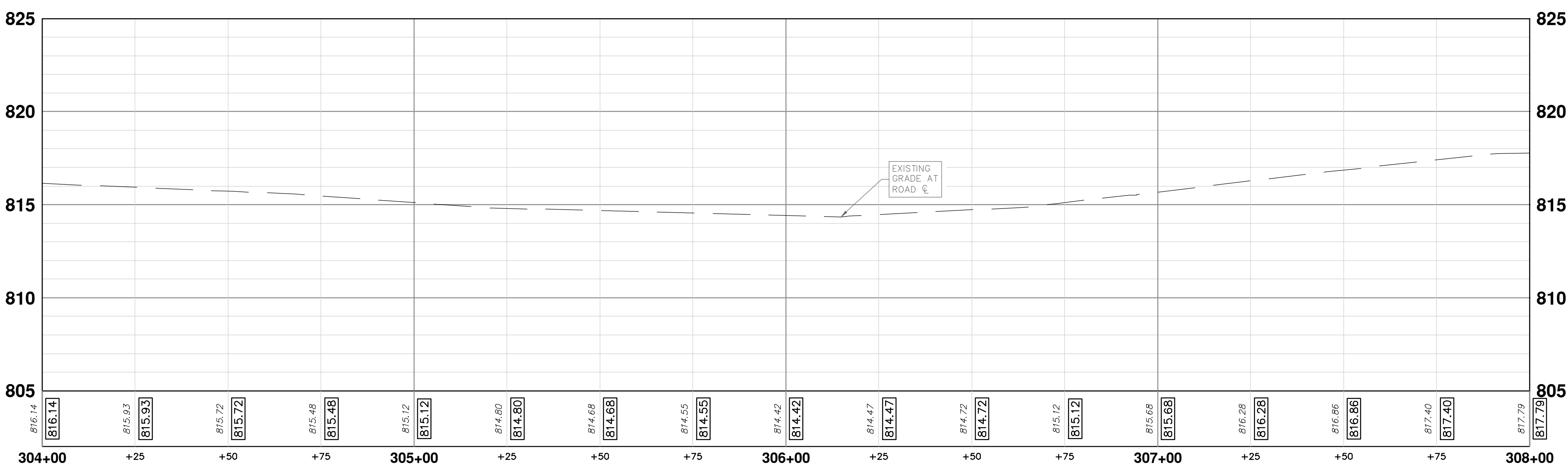
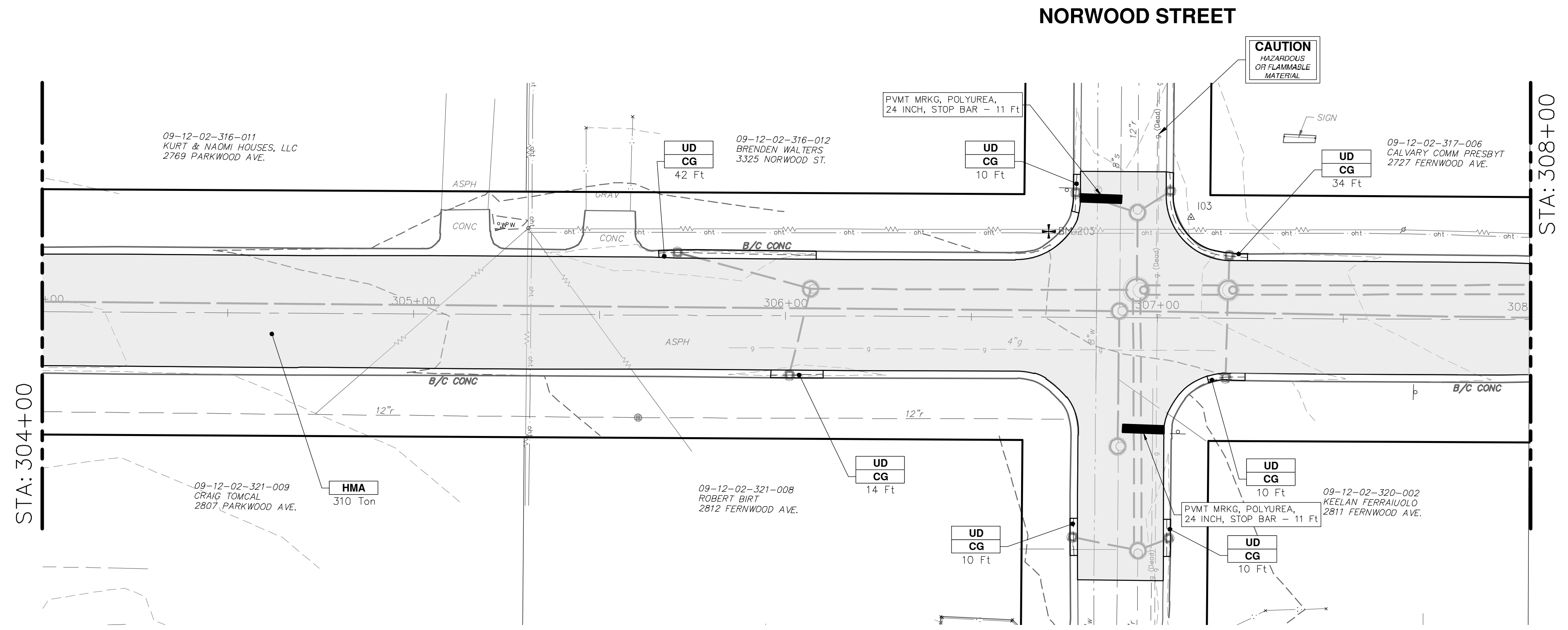
SHEET No. **72 OF 161**

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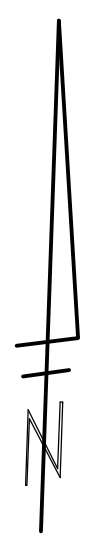
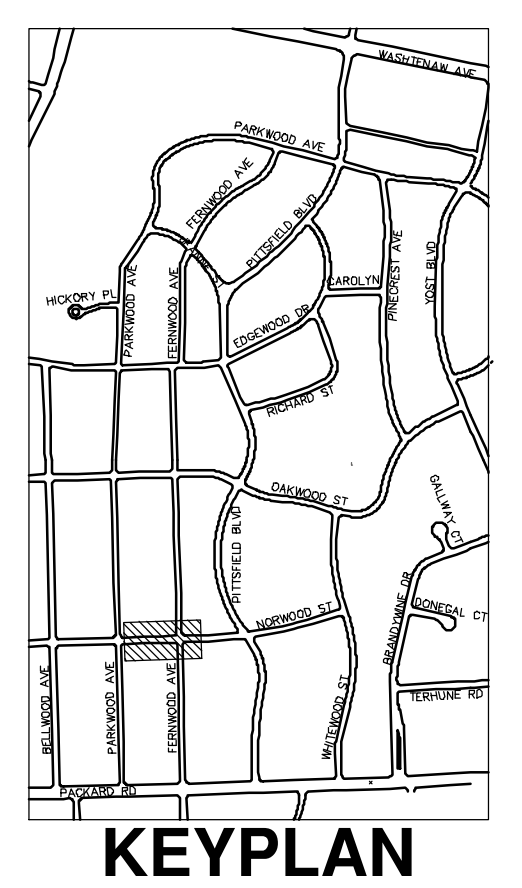
REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE

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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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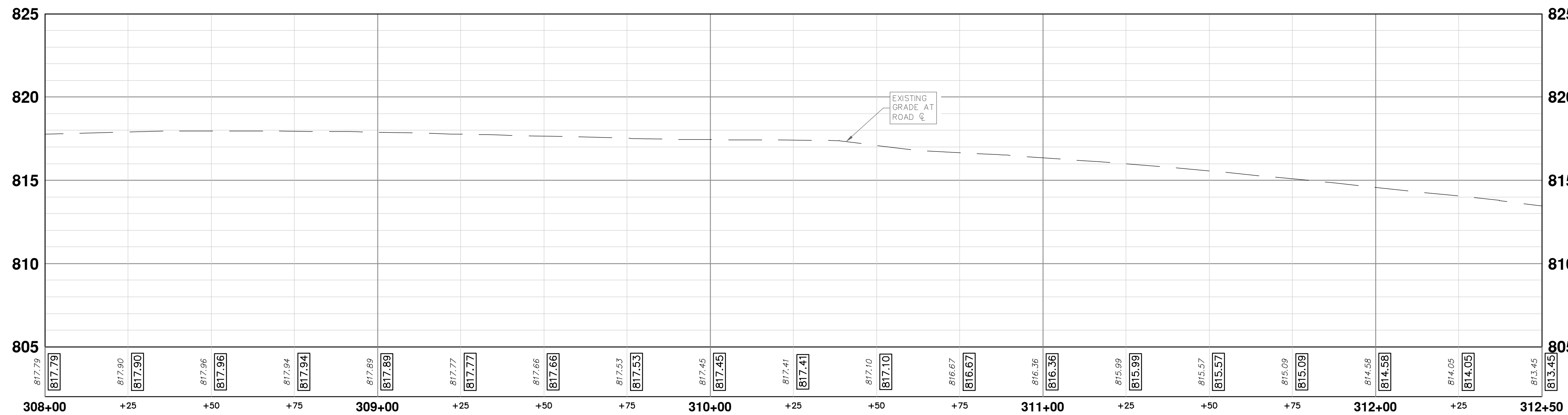
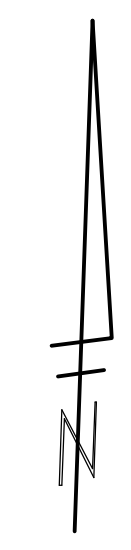
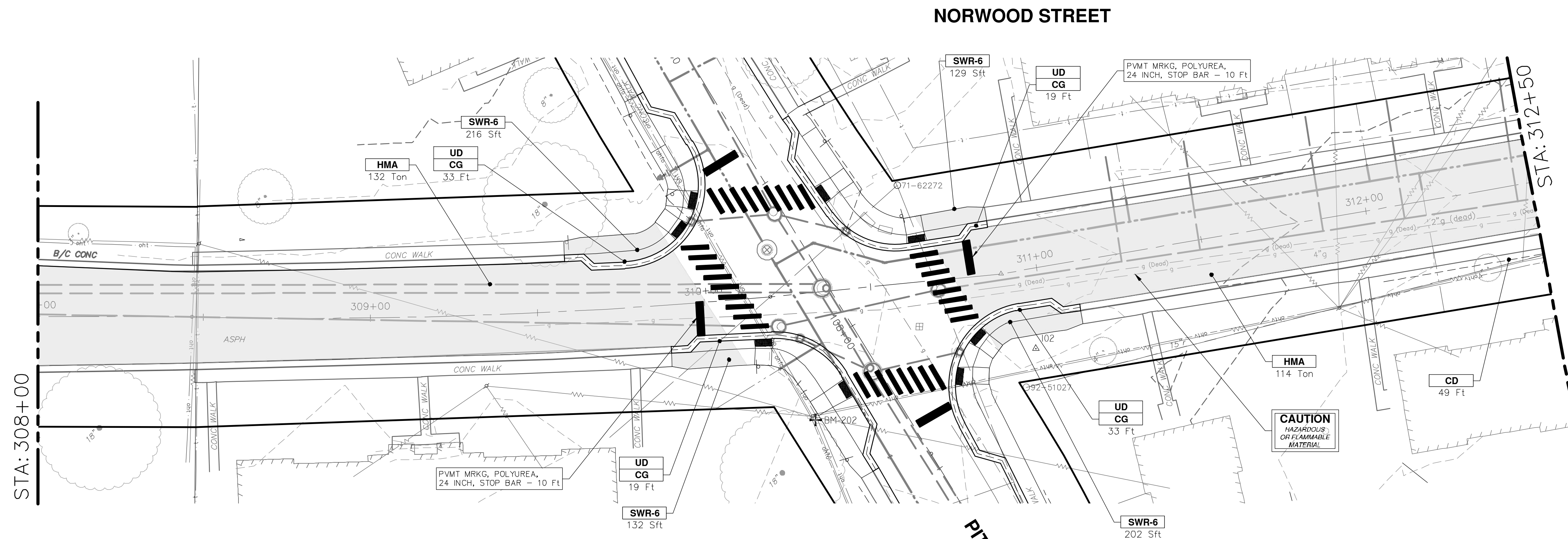
REV.	DATE	DESCRIPTION
01	12-19-2024	SM DRAWN
02		BID SET
03		CHECKED

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PITTSFIELD VILLAGE IMPROVEMENTS
 NORWOOD STREET
 ROAD PLAN (STA 304+00 TO STA 308+00)

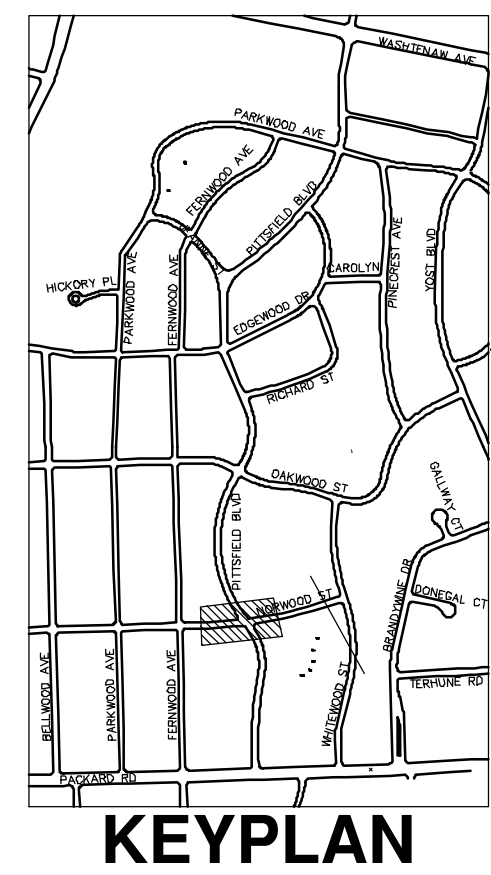
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 SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'
 DRAWING No. **2022-031-73**
 SHEET No. **73 OF 161**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050NORWOOD_CON.dwg Dwg Created: 16-Dec-24 - _a2_standard bw.stb - Plot Date: 19-Dec-24



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

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PITTSFIELD VILLAGE IMPROVEMENTS
NORWOOD STREET
ROAD PLAN (STA 308+00 TO 312+50)

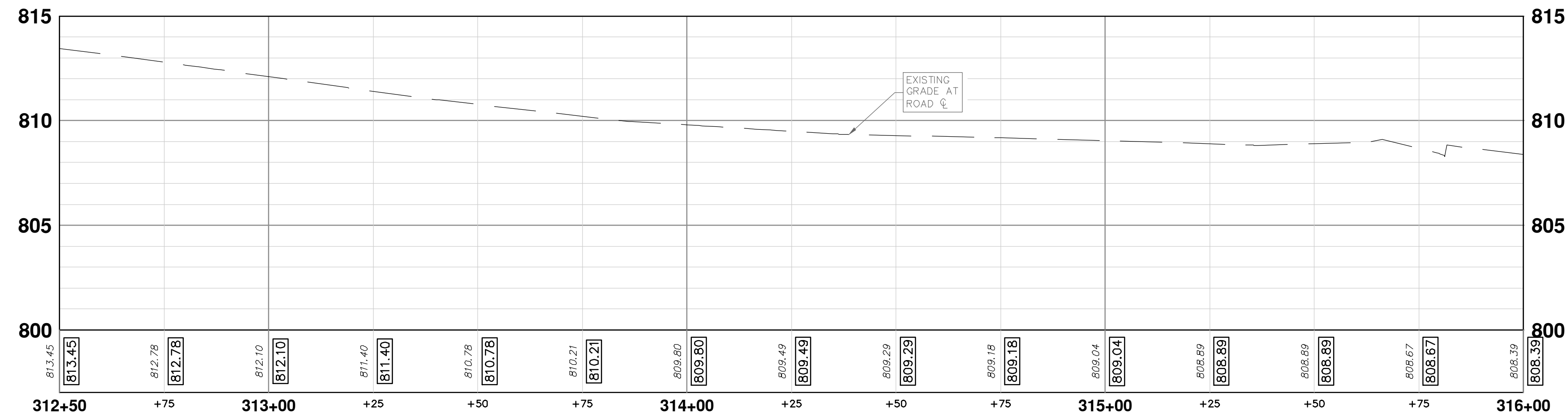
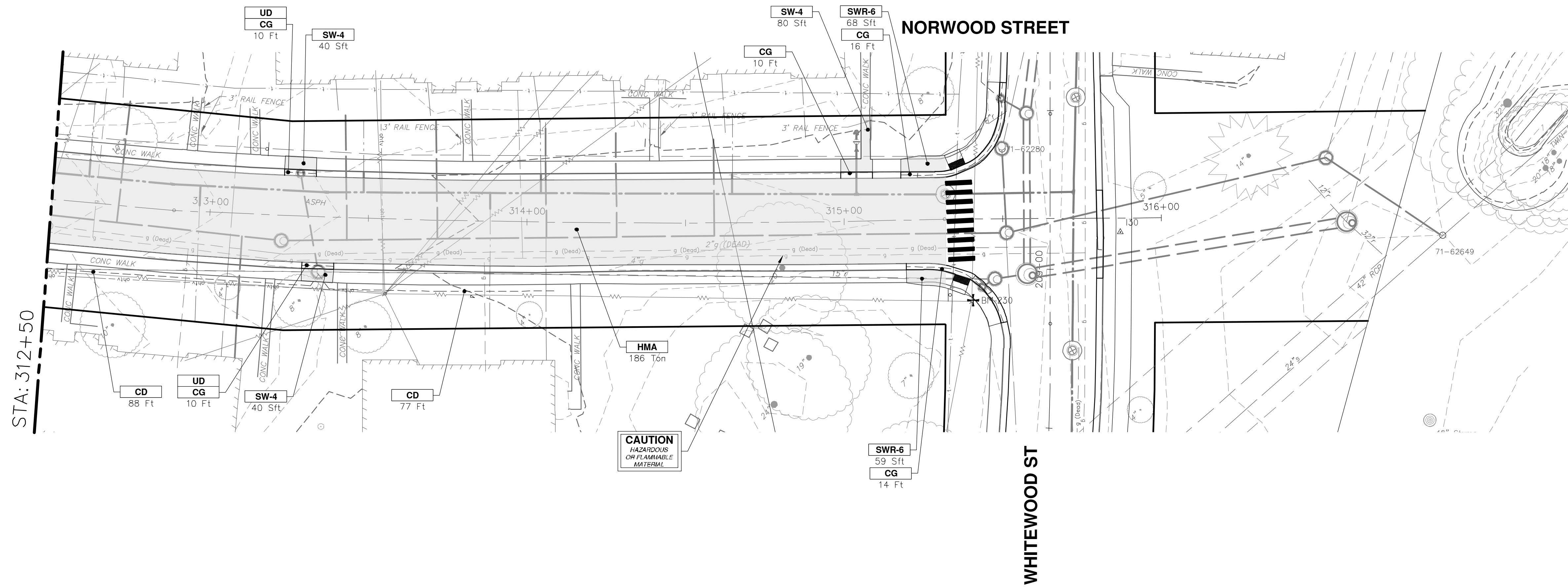
REVISIONS

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
NORWOOD STREET
ROAD PLAN (STA 308+00 TO 312+50)

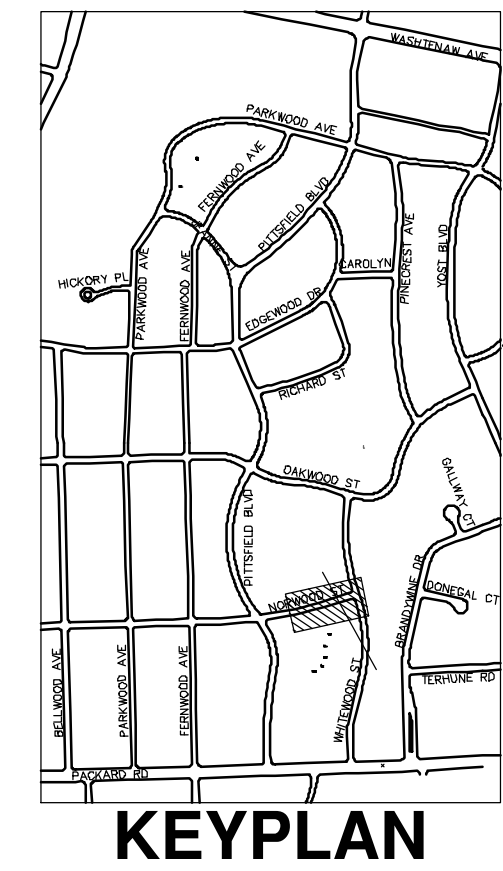
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

SHEET No. 74 OF 161

DRAWING No. 2022-031-74



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

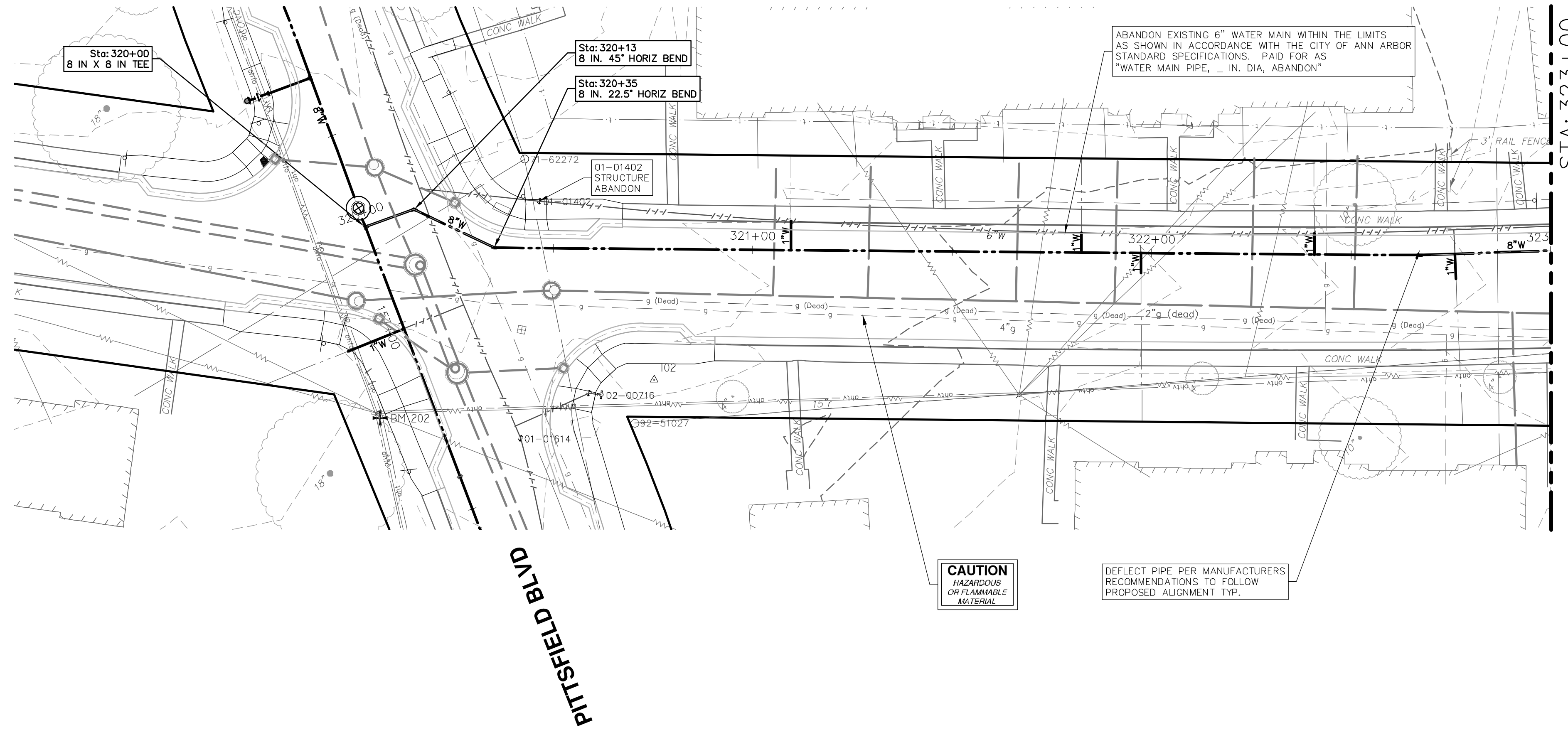
SHEET No. DRAWING No. 2022-031-75

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

75 OF 161

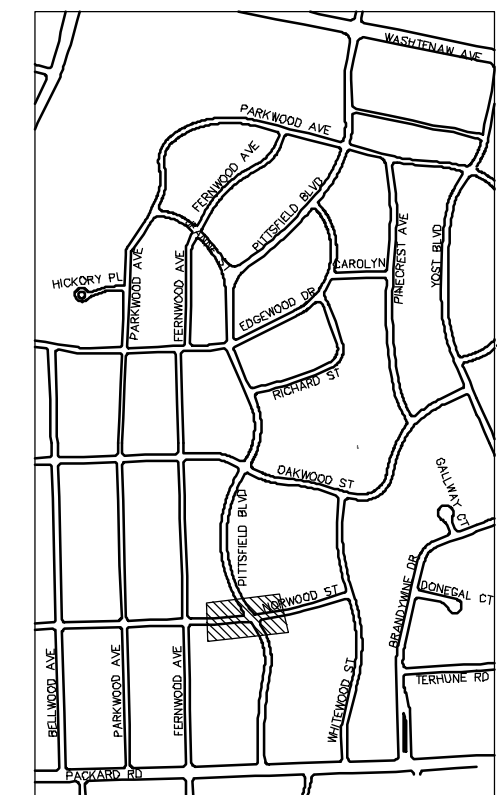
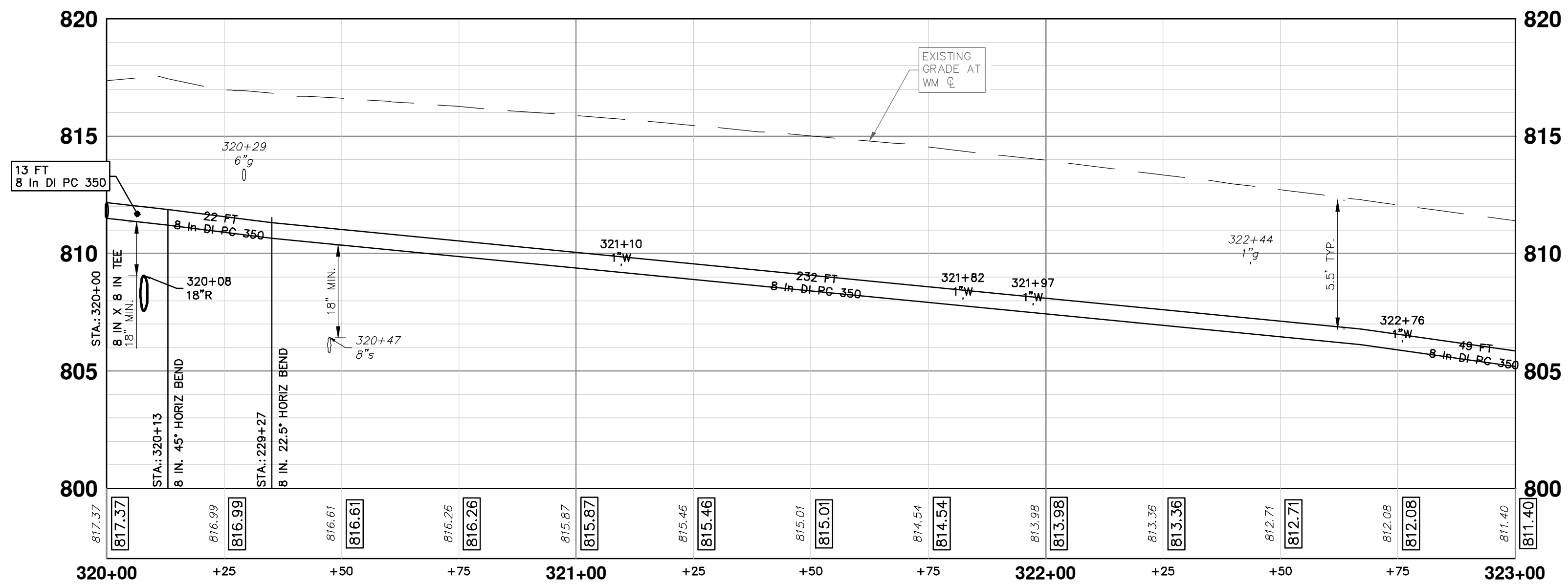
75 OF 161

NORWOOD STREET



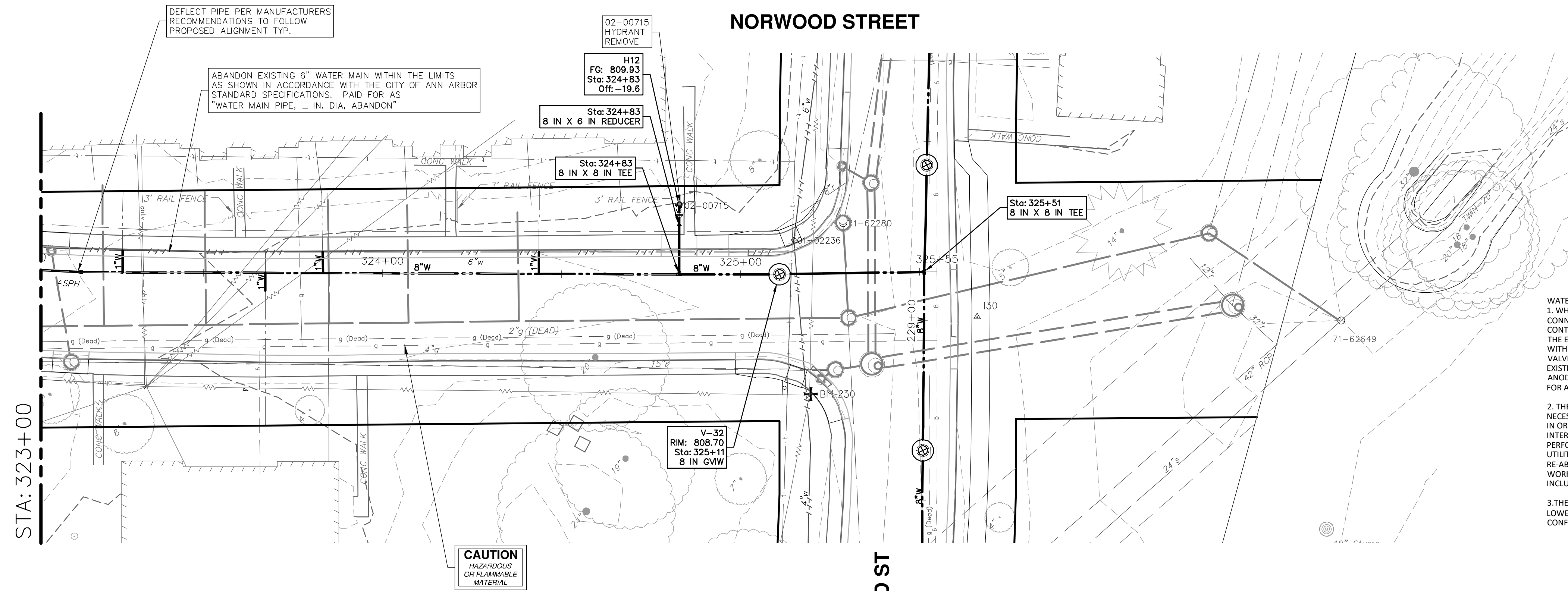
WATER MAIN NOTES:

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



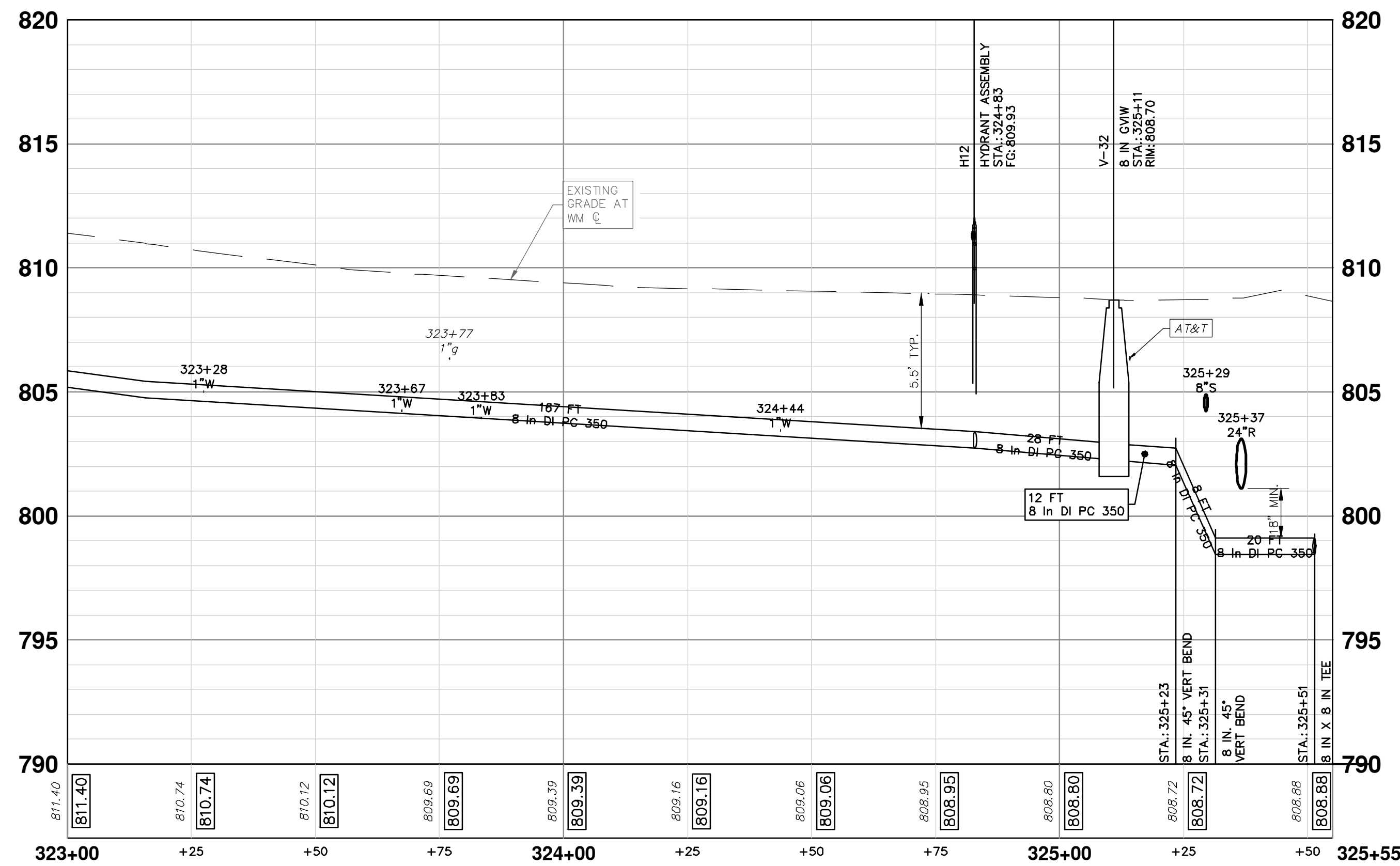
KEYPLAN

CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET ANN ARBOR, MI 48106-8647 734.794.4410 www.a3gov.org	12-19-2024 DATE
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DESCRIPTION	
WATER MAIN PLAN (STA 320+00 TO STA 323+00)	
PITTSFIELD VILLAGE IMPROVEMENTS NORWOOD STREET	
ENGINEERING	
SCALE PLAN: 1" = 20' PROFILE: 1" = 4' DRAWING No. 2022-031-76	
SHEET No. 76 OF 161	

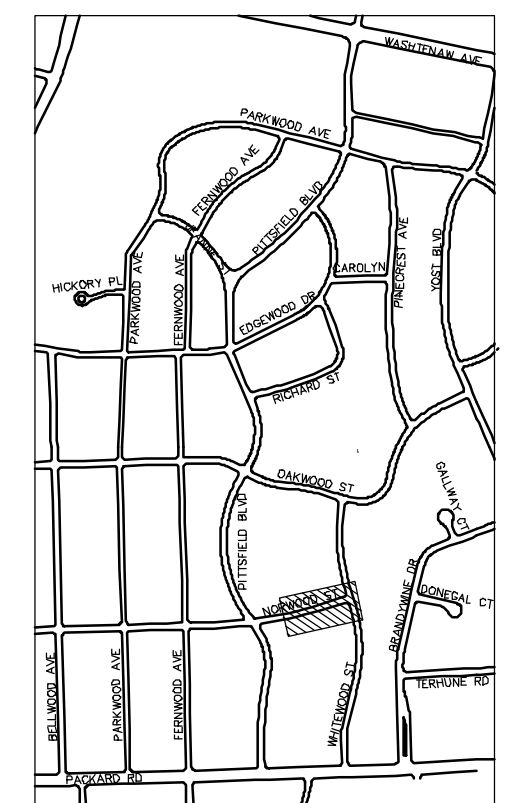


WATER MAIN NOTES:

- 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"
- 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.
- 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+83	809.93	7.15
V-32	8 in CVIW	325+11	808.70	6.44

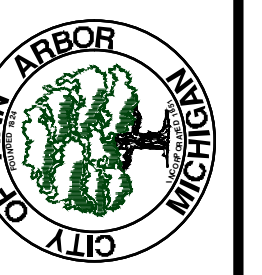


KEYPLAN



REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE
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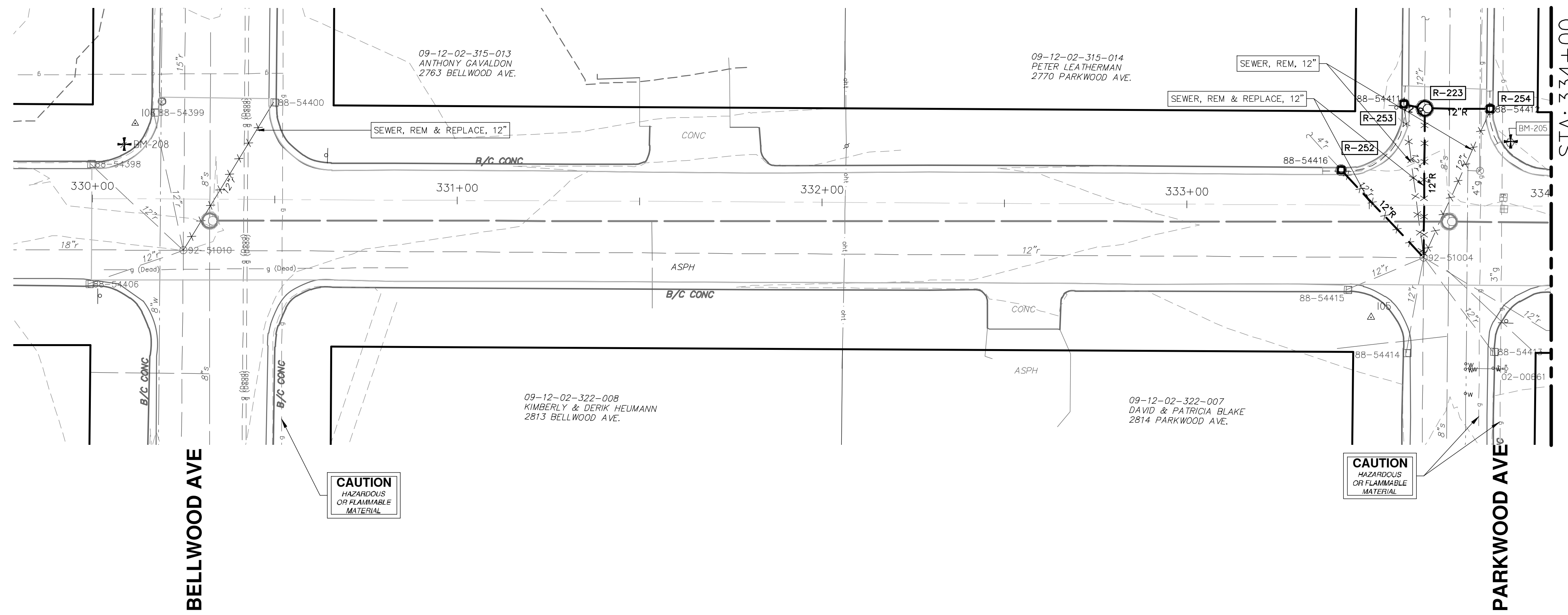


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
NORWOOD STREET
WATER MAIN PLAN (STA 323+00 TO STA 325+42)

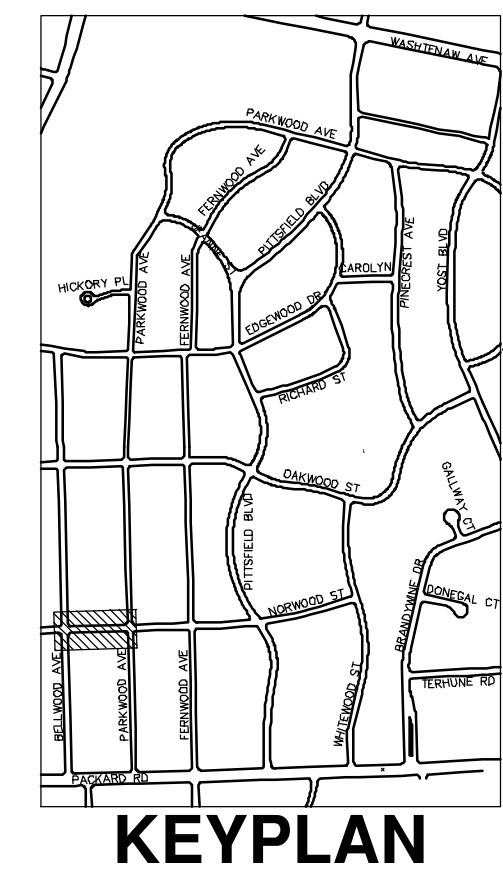
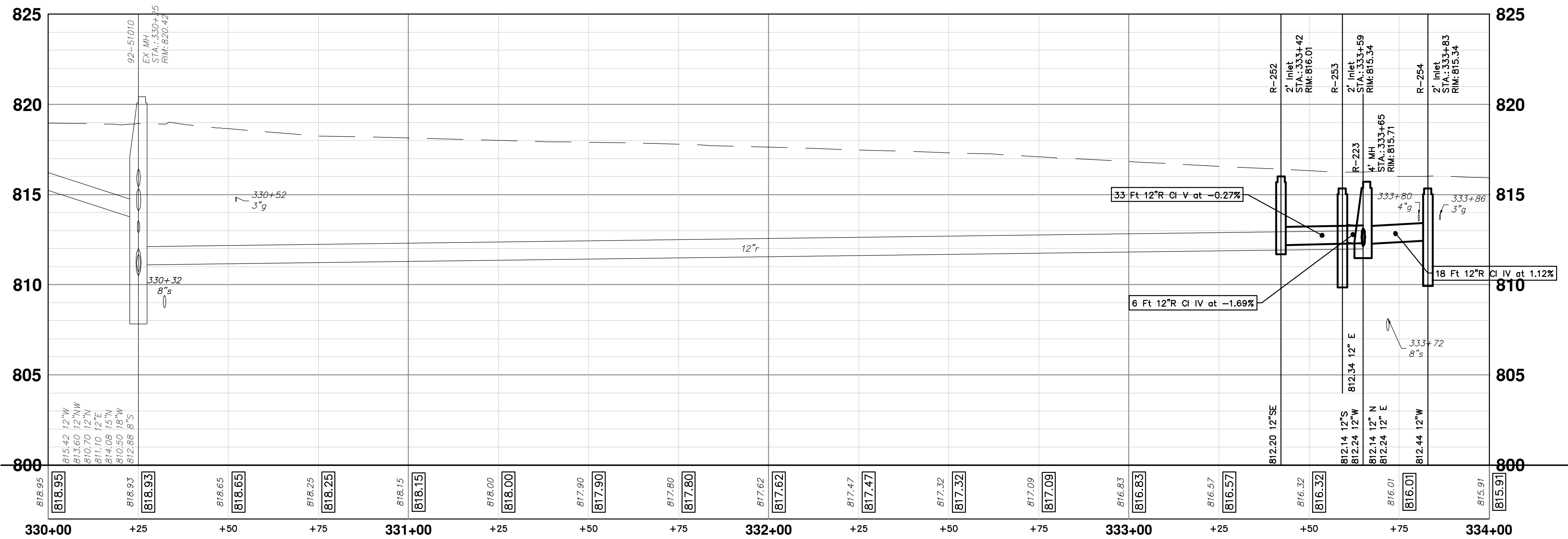
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-77

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NORWOOD STREET



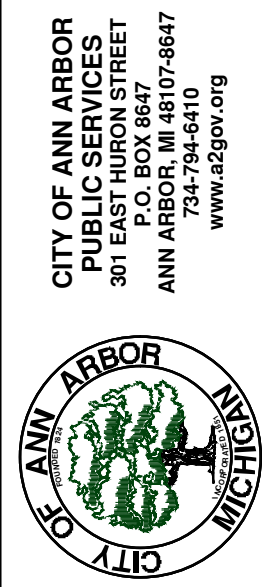
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-223	333+65	4' MH	815.71	12" N 812.14 12" E 812.24 12" S 812.14 12" W 812.24	3.57	0'
R-252	333+42	2' Inlet	816.01	12" SE 812.20	3.81	0'
R-253	333+59	2' Inlet	815.34	12" E 812.34	5.00	2'
R-254	333+83	2' Inlet	815.34	12" W 812.44	4.90	2'



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PITTSFIELD VILLAGE IMPROVEMENTS
 NORWOOD STREET
 STORM SEWER PLAN (STA 330+00 TO STA 334+00)

SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'
 DRAWING NO.: 2022-031-78

SHEET No. 78 OF 161



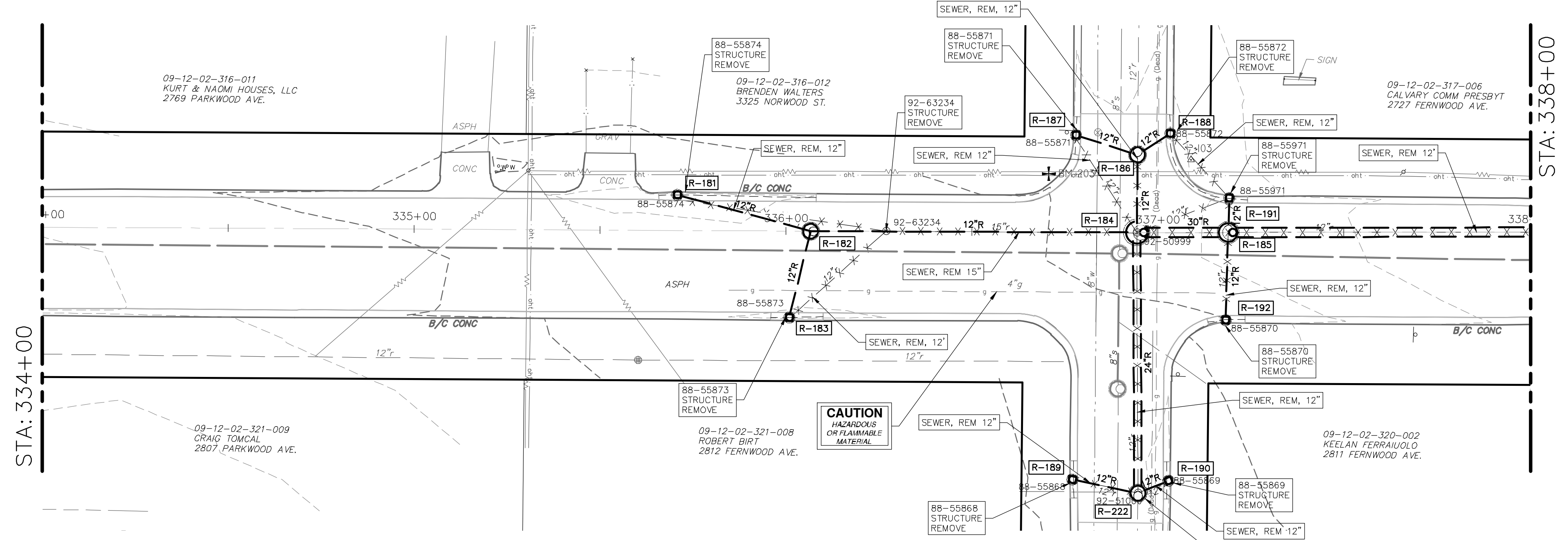
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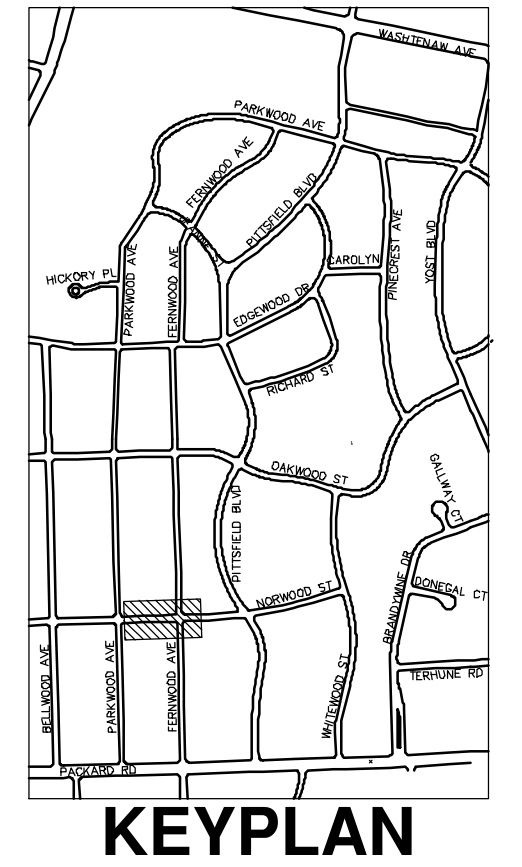
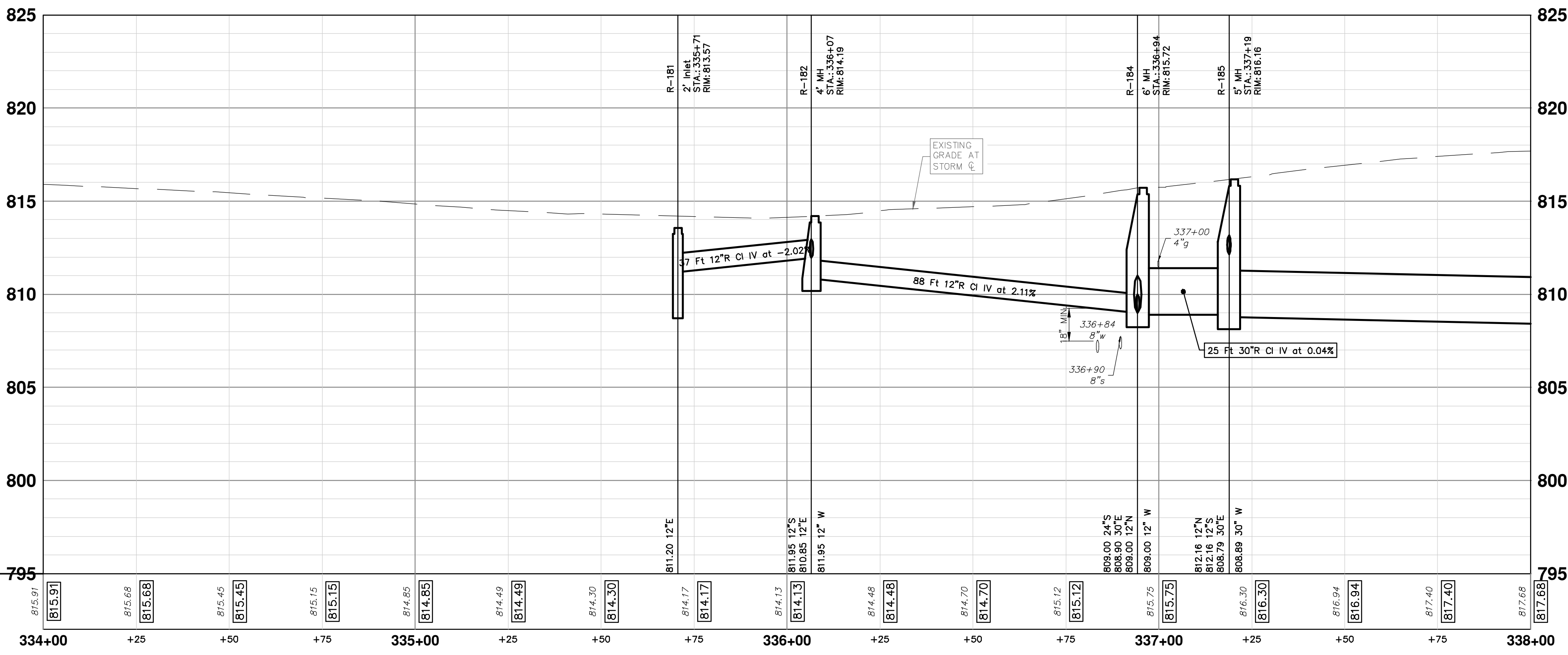


P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Const\230050NORWOOD_STM.dwg Dwg Created: 6-Dec-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

NORWOOD STREET



STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-181	335+71	2' Inlet	813.57	12" E 811.20	4.37	2'
R-182	336+07	4' MH	814.19	12" W 811.95 12" S 811.95 12" E 810.85	3.34	0'
R-183	336+01	2' Inlet	813.87	12" N 811.40	2.47	0'
R-184	336+94	6' MH	815.72	12" W 809.00 24" S 809.00 30" E 808.90 12" N 809.00	6.82	0'
R-185	337+19	5' MH	816.16	30" W 808.89 12" N 812.16 12" S 812.16 30" E 808.79	7.37	0'
R-186	336+95	4' MH	815.71	12" S 809.77 12" W 811.75 12" NE 811.75 12" N 809.87	5.94	0'
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 810.00	5.69	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 811.00 12" S 809.26	4.98	0'



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PITTSFIELD VILLAGE IMPROVEMENTS
NORWOOD STREET

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

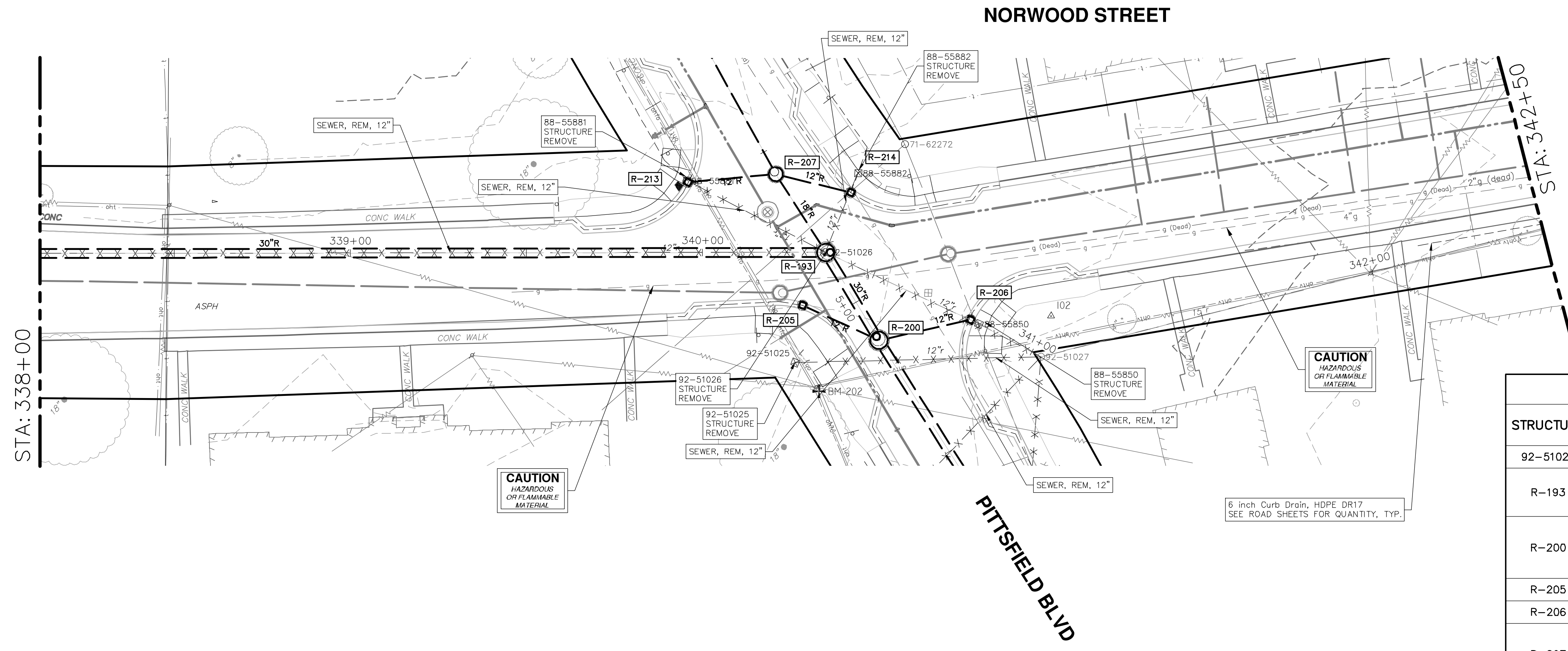
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DRAWING No. **2022-031-79**

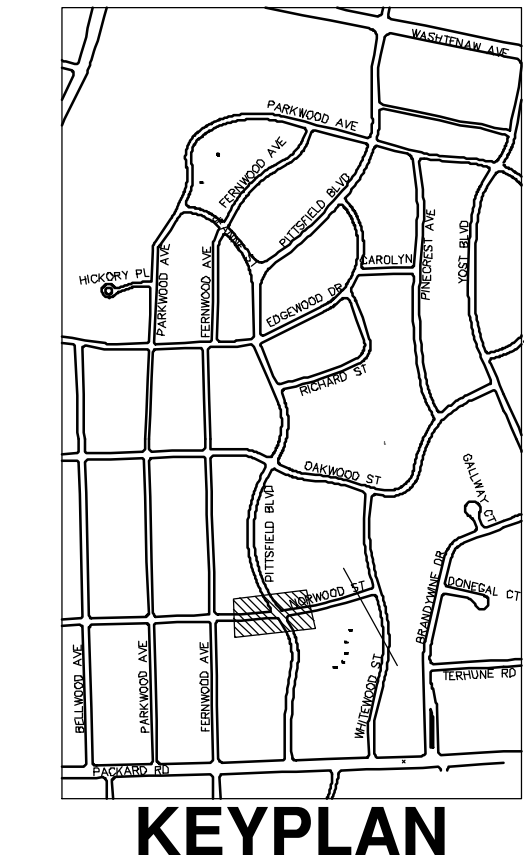
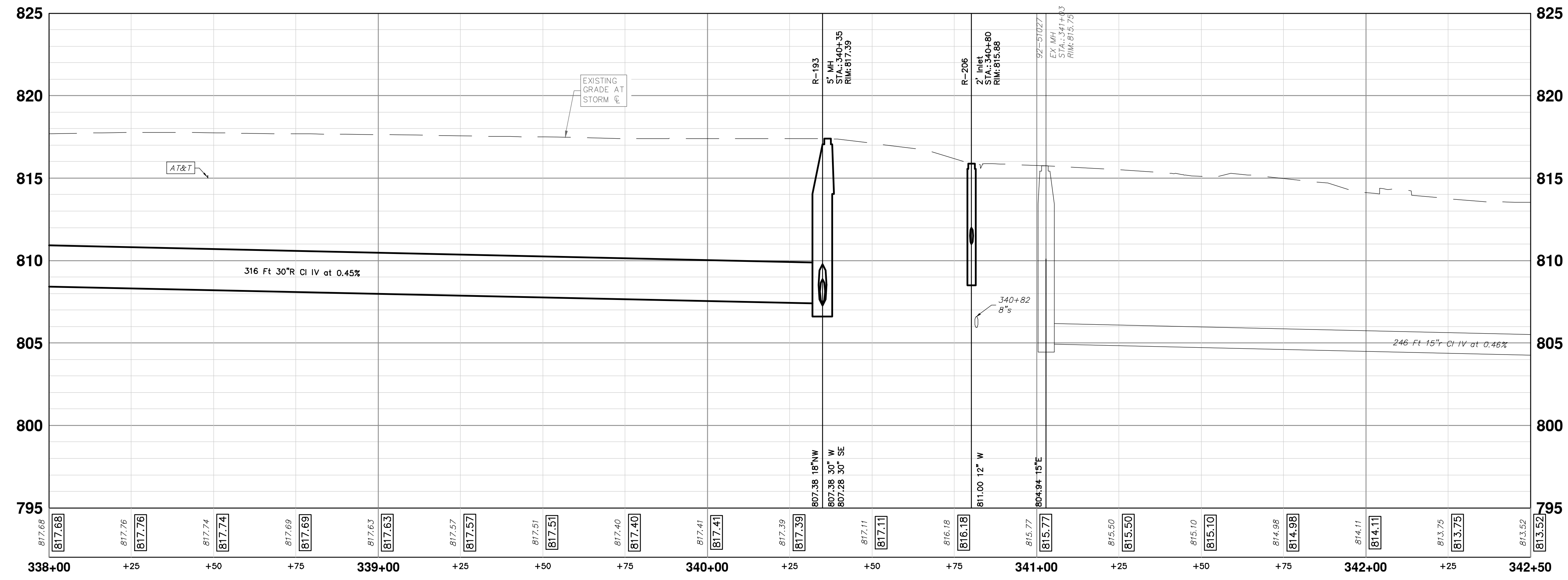
SHEET No. **79 OF 161**

79 OF 161

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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	10.11	0'
R-200	4+87	5' MH	816.87	30" SE 806.90 30" NW 807.00 12" E 810.50 12" NW 812.00	9.97	0'
R-205	5+07	2' Inlet	817.00	12" SE 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	9.89	0'
R-213	5+53	2' Inlet	817.20	12" E 813.23	5.97	2'
R-214	5+27	2' Inlet	816.90	12" W 813.77	5.13	2'



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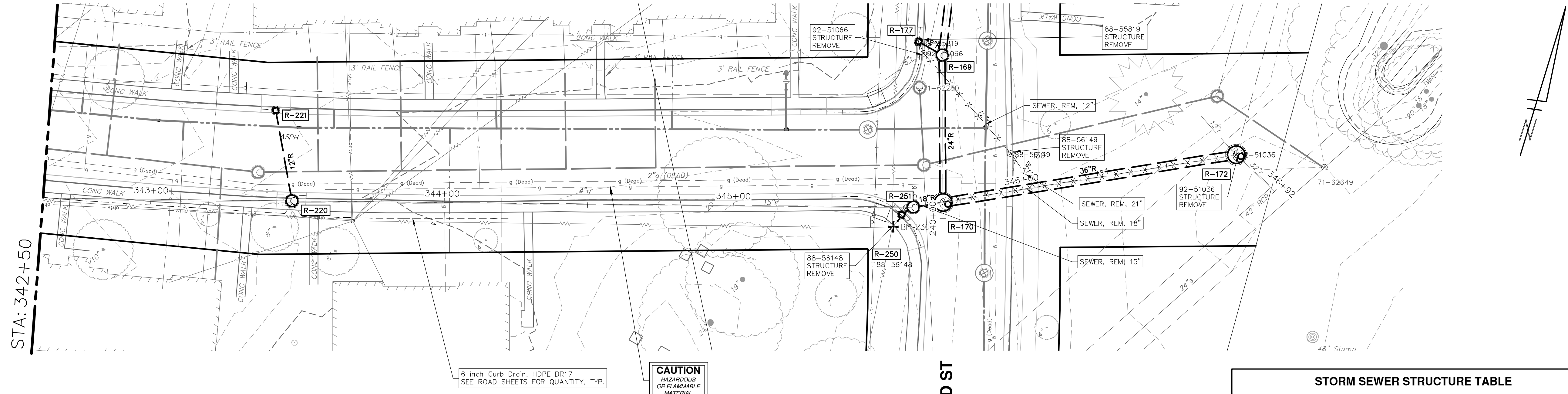
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 NORWOOD STREET
 STORM SEWER PLAN (STA 338+00 TO STA 342+50)

SHEET No. **80 OF 161**

DRAWING No. **2022-031-80**

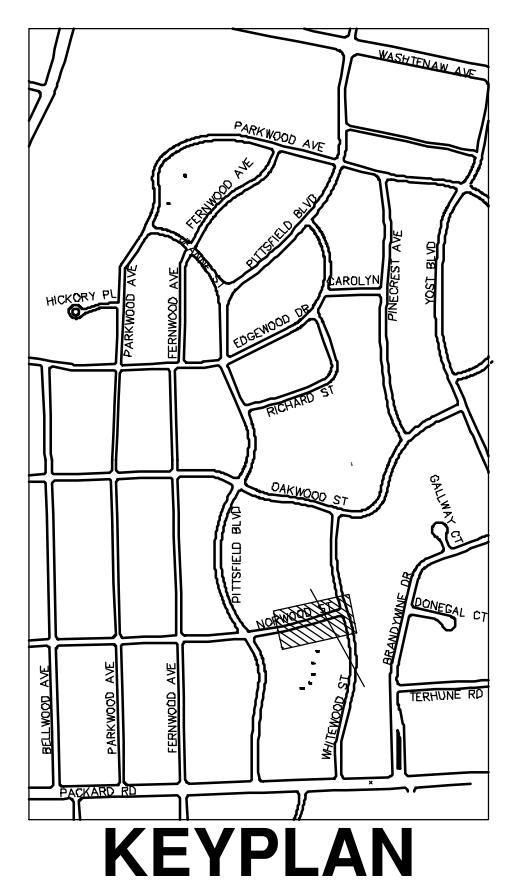
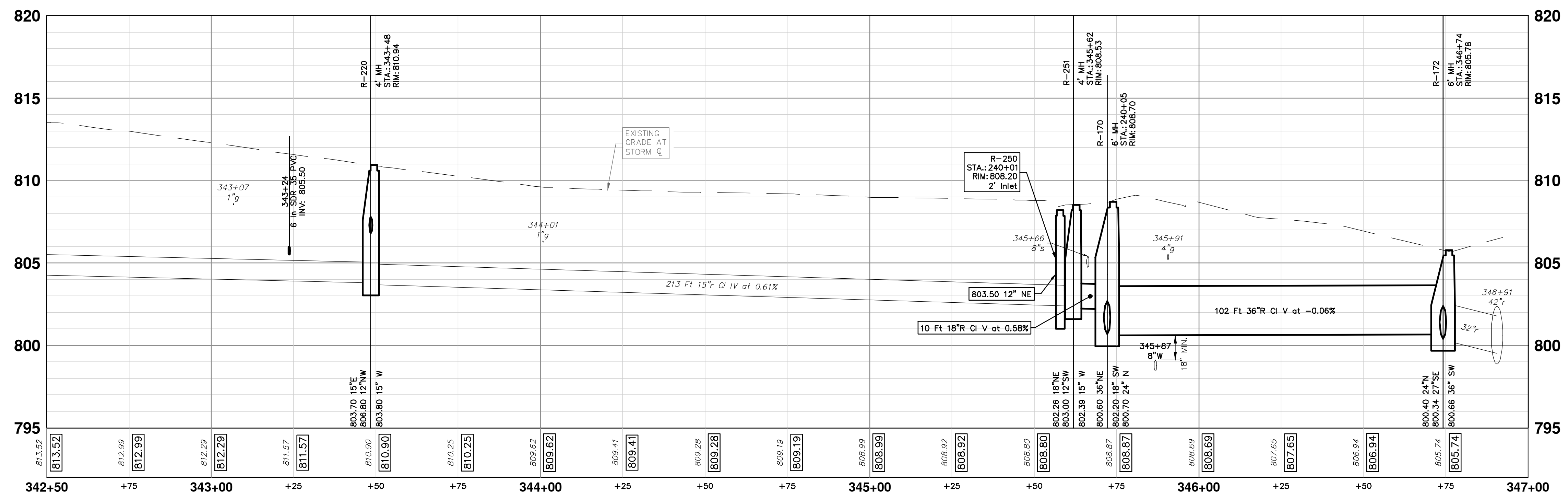
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

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	7.37	0'
R-170	240+05	6' MH	808.70	18" SW 802.20 24" N 800.70 36" NE 800.60	8.10	0'
R-172	346+74	6' MH	805.78	36" SW 800.66 24" N 800.40 27" SE 800.34	5.44	0'
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	7.24	0'
R-221	343+42	2' Inlet	811.11	12" SE 807.00	6.11	2'
R-250	240+01	2' Inlet	808.20	12" NE 803.50	6.70	2'
R-251	345+62	4' MH	808.53	15" W 802.39 18" NE 802.26 12" SW 803.00	6.27	0'



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PITTSFIELD VILLAGE IMPROVEMENTS

NORWOOD STREET

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

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

DRAWING No. 2022-031-81

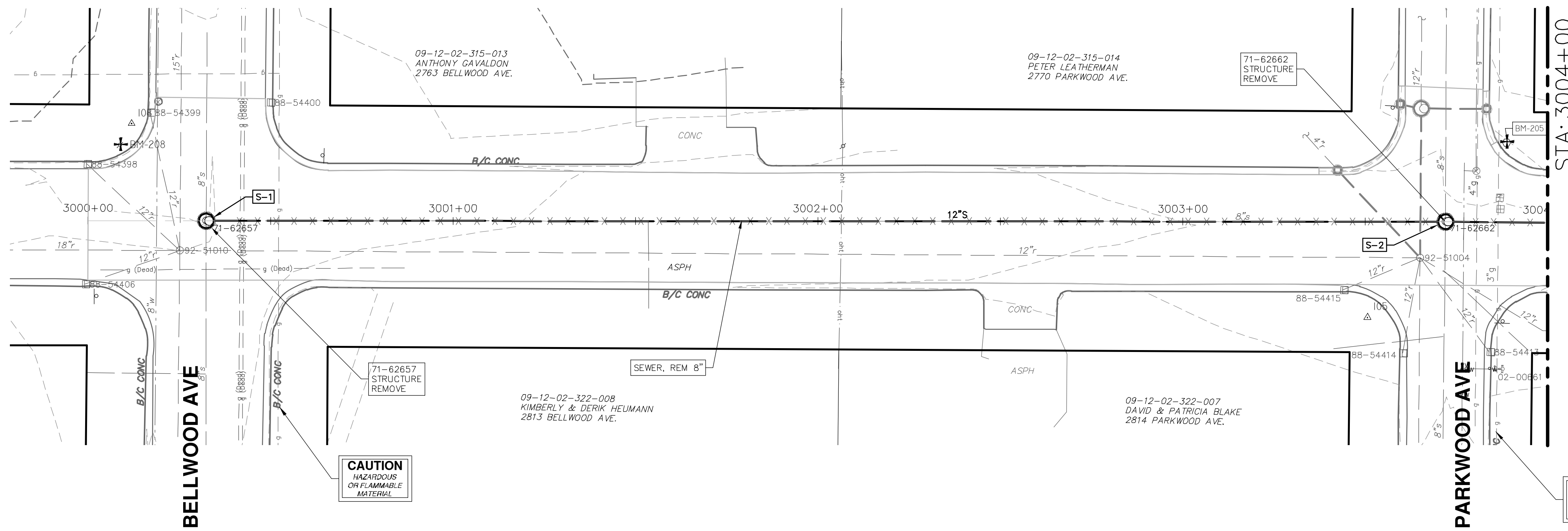
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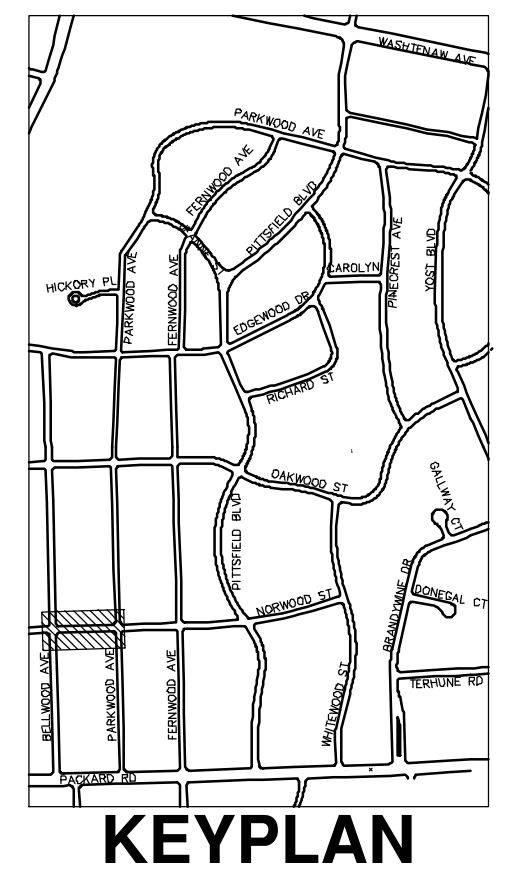
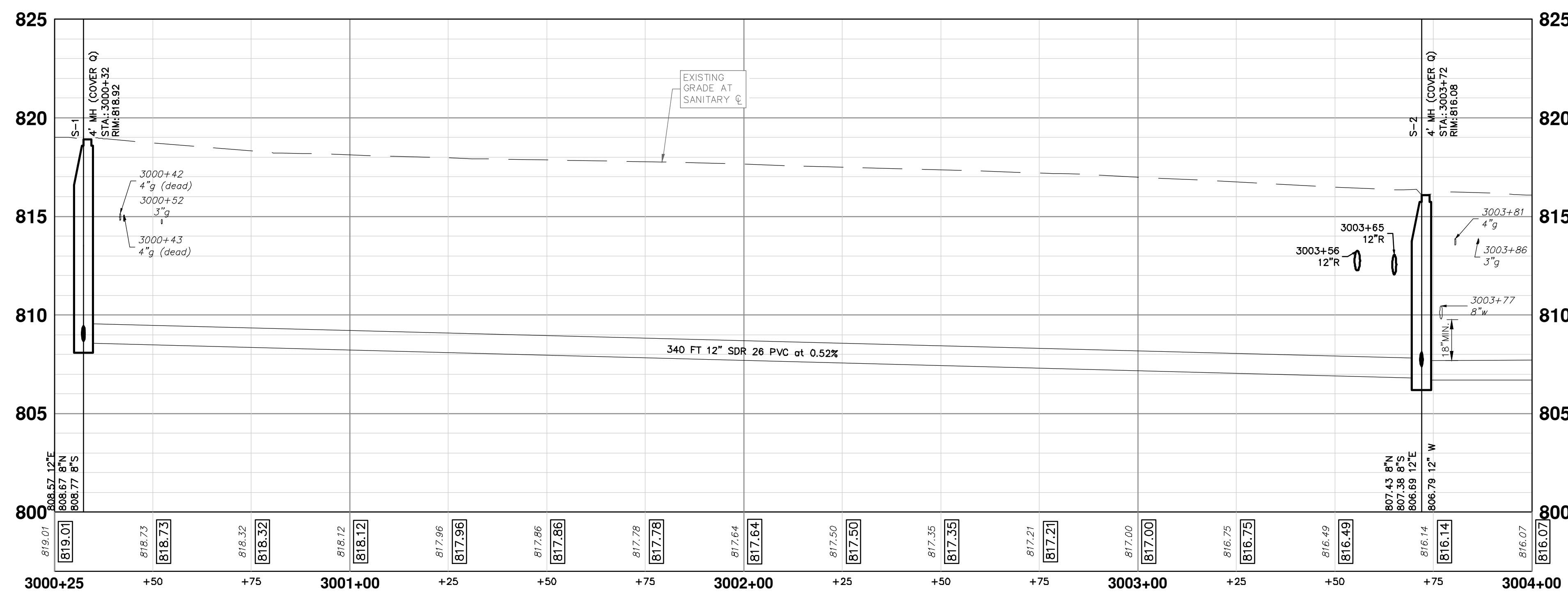
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00	BID SET	12-19-2024			

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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 (Cover Q)
S-2	3003+72	816.08	9.38	48	4' MH	12" W 806.79 8" N 807.43 8" S 807.38 12" E 806.69	4' MH (Cover Q)



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NORWOOD STREET

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

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

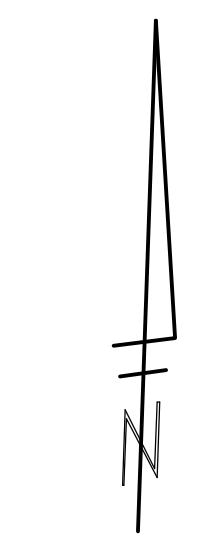
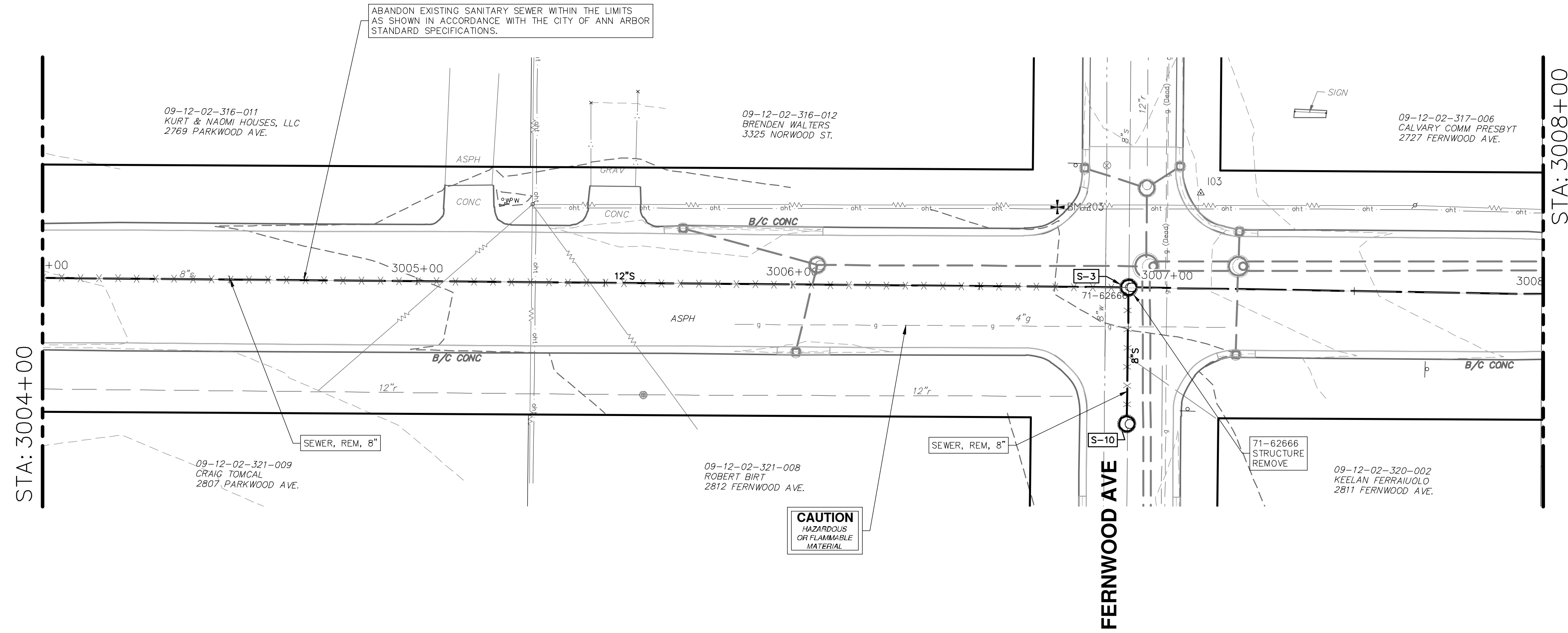
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SHEET No. 82 OF 161

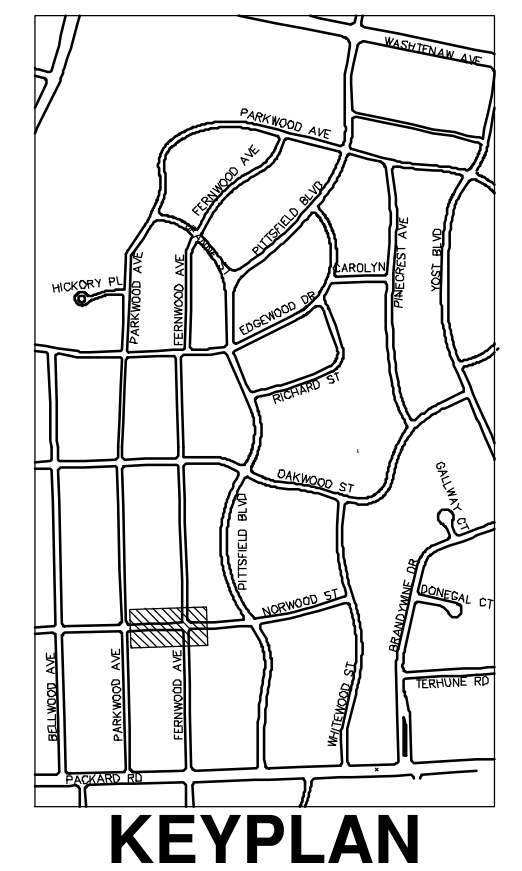
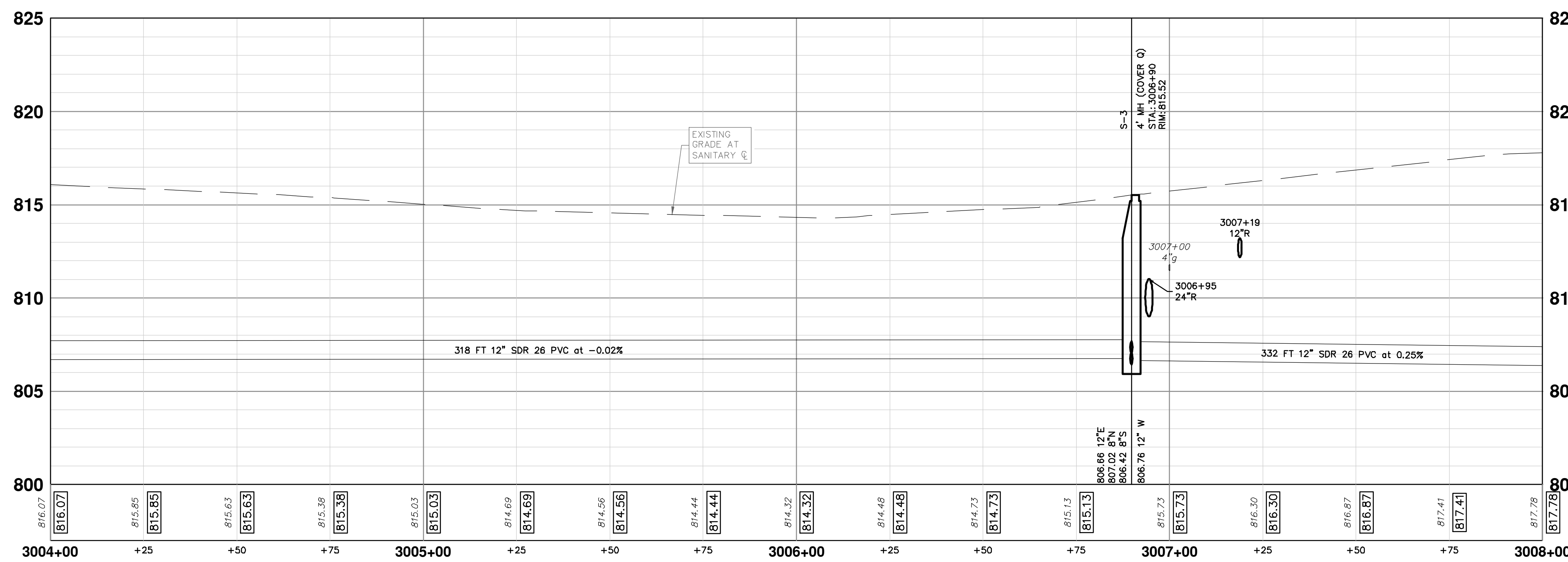
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NORWOOD STREET



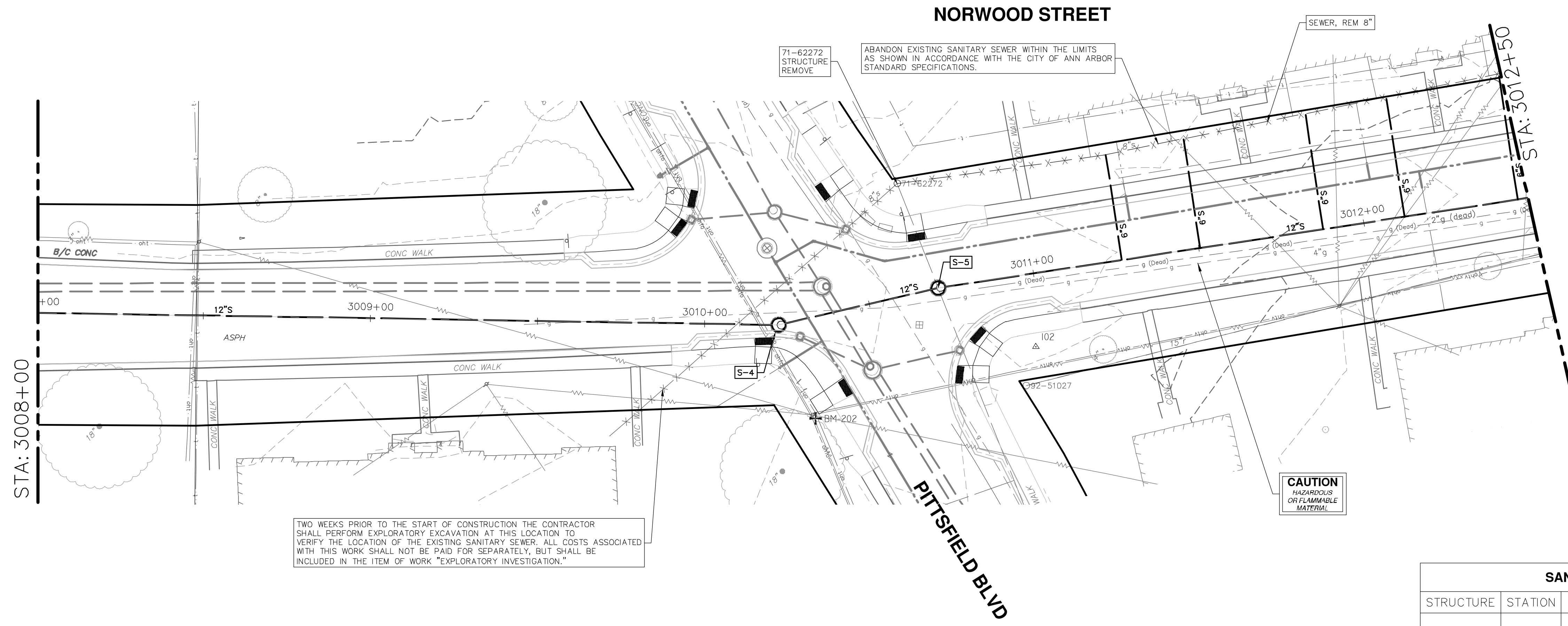
STRUCTURE	STATION	RIM	DEPTH	DIA.	TYPE	INVERTS	NOTES
S-10	3006+90	814.49	8.15	48	4' MH	8" N 806.35 8" S 806.35	4' MH (Cover Q)
S-3	3006+90	815.52	9.10	48	4' MH	12" W 806.76 12" E 806.66 8" N 807.02 8" S 806.42	4' MH (Cover Q)



REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE

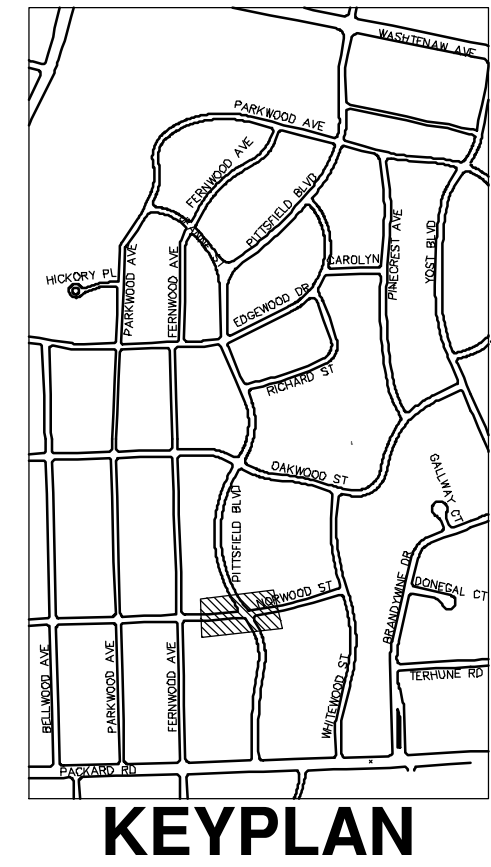
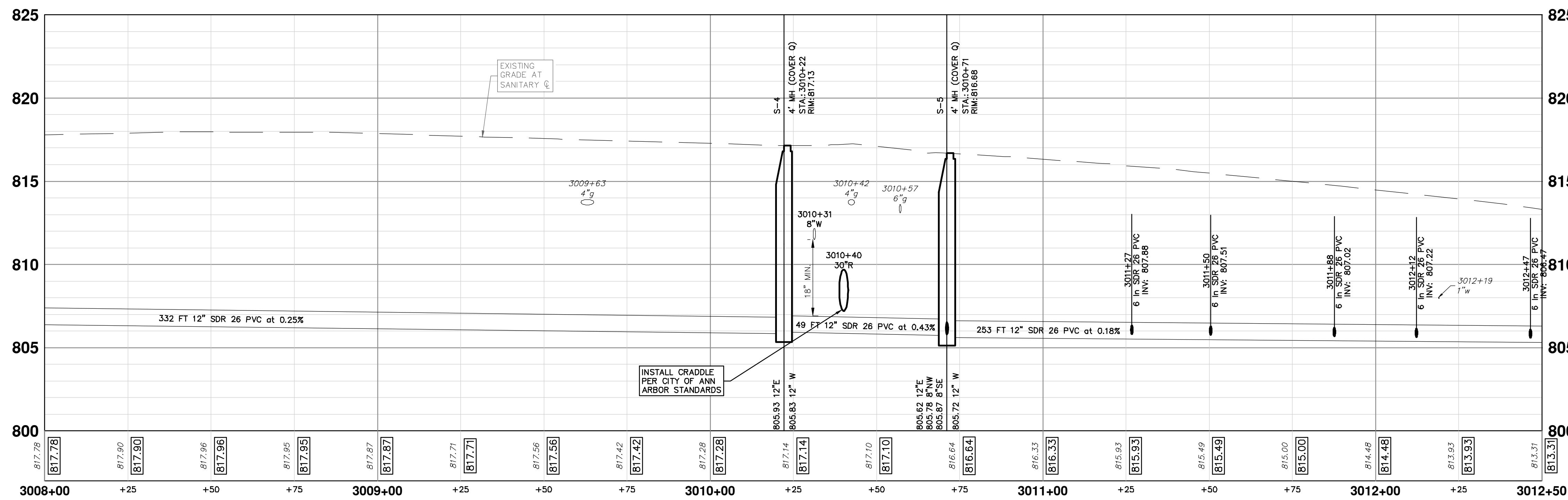
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PITTSFIELD VILLAGE IMPROVEMENTS
NORWOOD STREET
SANITARY SEWER PLAN (STA 3004+00 TO 3008+00)



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	11.30	48	4' MH	12" W 805.83 12" E 805.93	4' MH (Cover Q)
S-5	3010+71	816.68	11.06	48	4' MH	12" W 805.72 12" E 805.62 8" NW 805.78 8" SE 805.87	4' MH (Cover Q)



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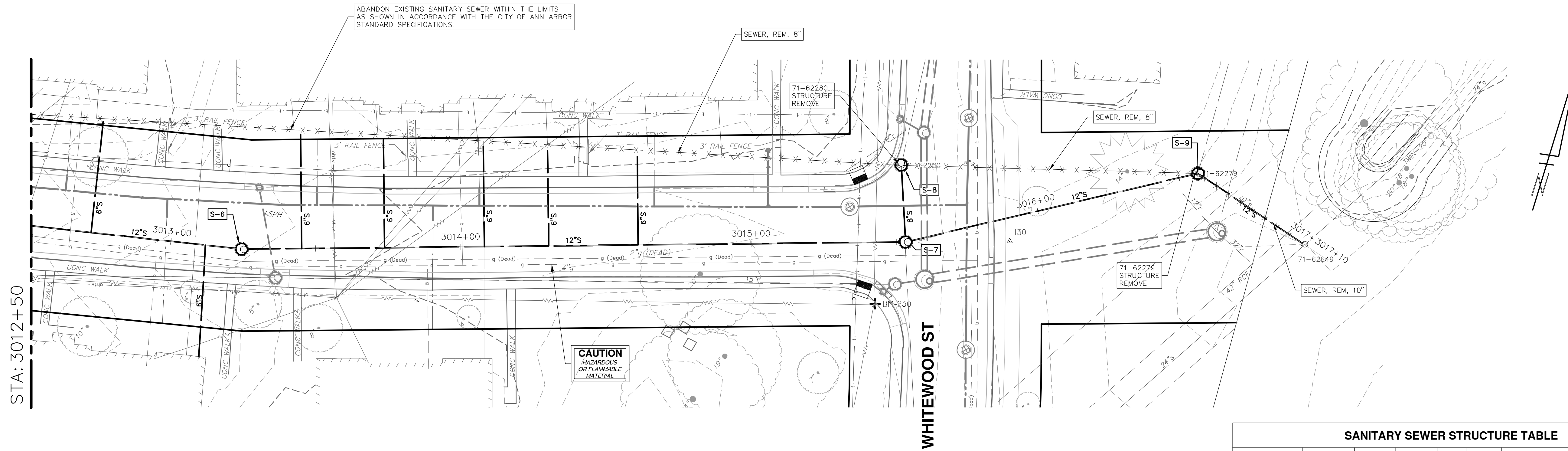
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00	BID SET	12-19-2024			

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PITTSFIELD VILLAGE IMPROVEMENTS
 NORWOOD STREET
 SANITARY SEWER PLAN (STA 3008+00 TO STA 3012+50)

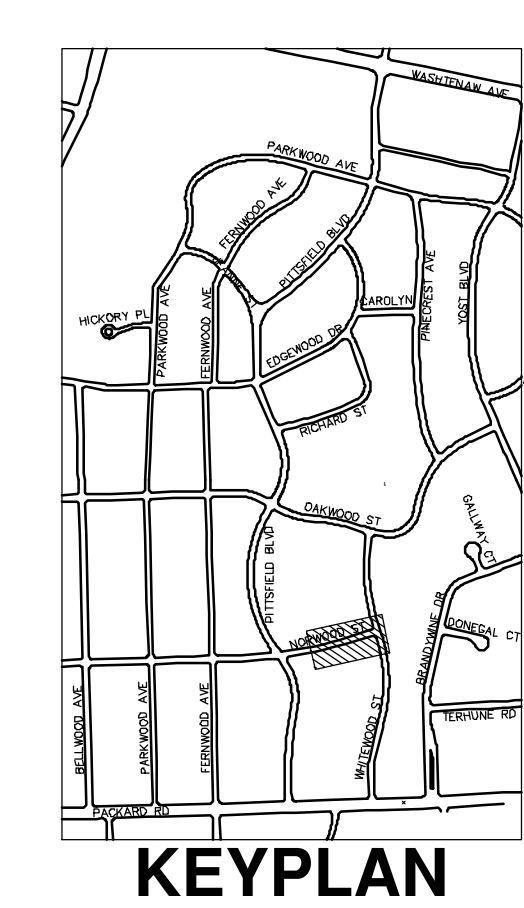
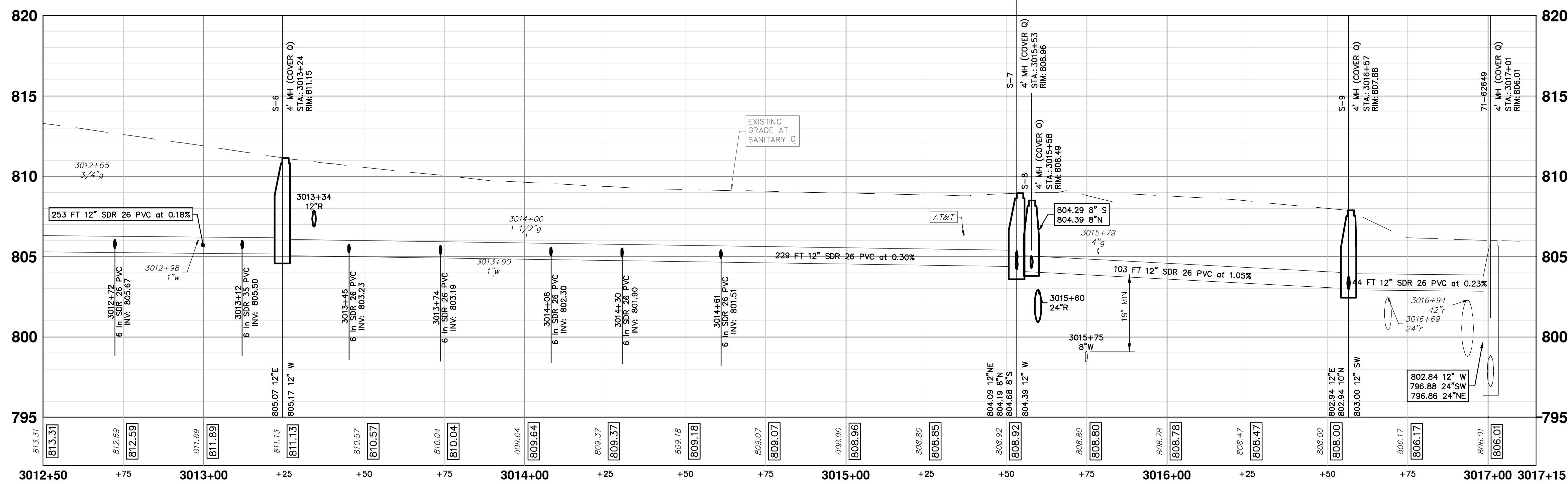
SHEET No. **84 OF 161**

SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'
 DRAWING No. **2022-031-84**

NORWOOD STREET



SANITARY SEWER STRUCTURE TABLE							
STRUCTURE	STATION	RIM	DEPTH	DIA.	TYPE	INVERTS	NOTES
S-6	3013+24	811.15	6.08	48	4' MH	12" W 805.17 12" E 805.07	4' MH (Cover Q)
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 (Cover Q)
S-8	3015+58	808.49	4.20	48	4' MH	8" S 804.29 8" N 804.39	4' MH (Cover Q)
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 (Cover Q)
71-62649	3017+01	806.01	9.15	48	4' MH	12" W 802.84 24" SW 796.88 24" NE 796.86	4' MH (Cover Q)



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. 2022-031-85

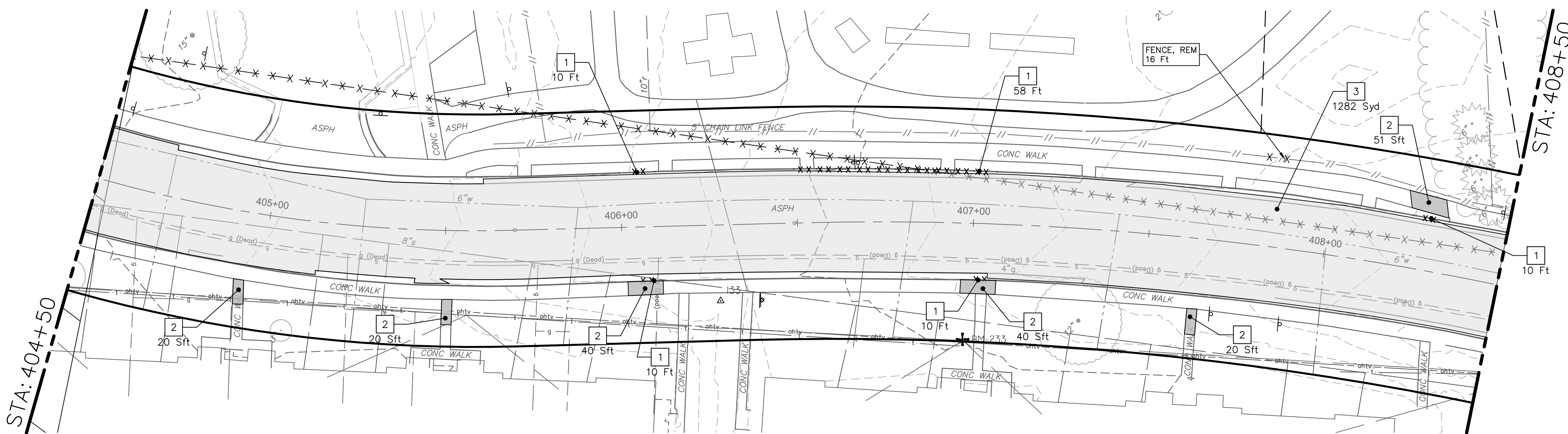
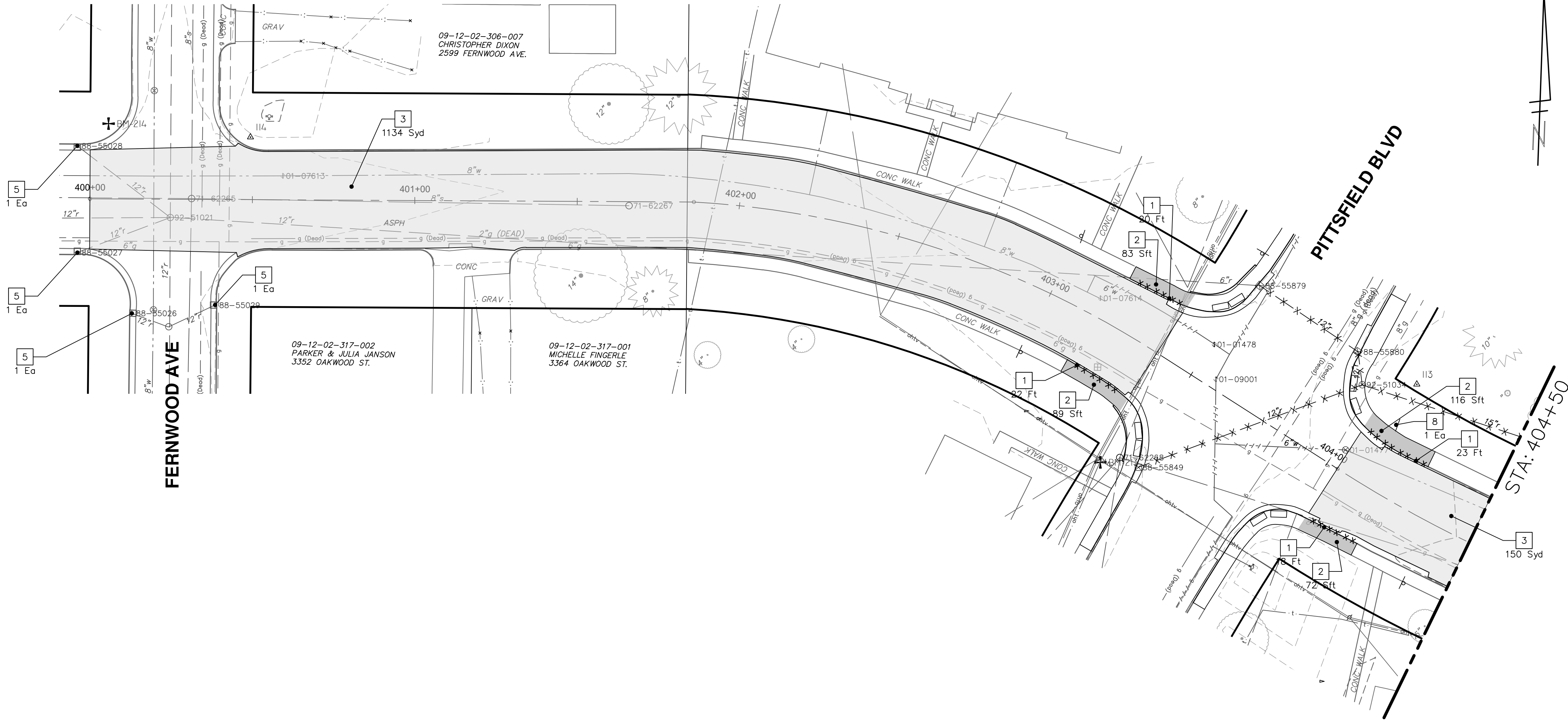
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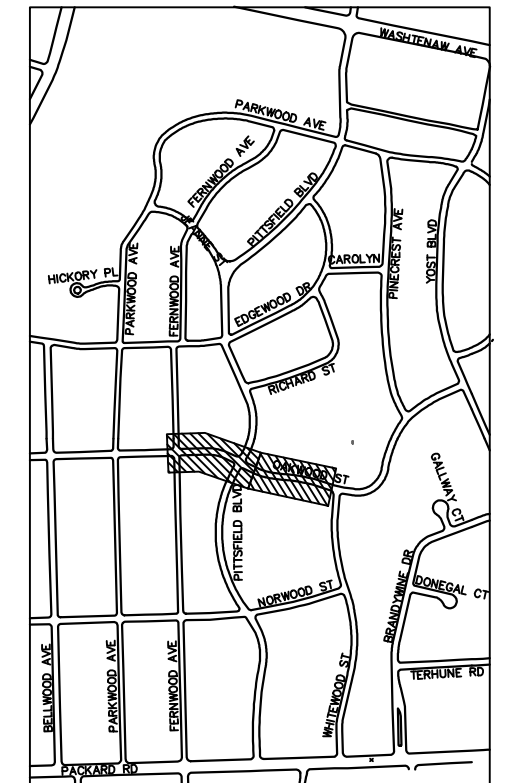
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OAKWOOD STREET



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


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET


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

SCALE PLAN: #####
 PROFILE: 1" = 4'
 DRAWING No. 2022-031-86
 SHEET No. 86 OF 161



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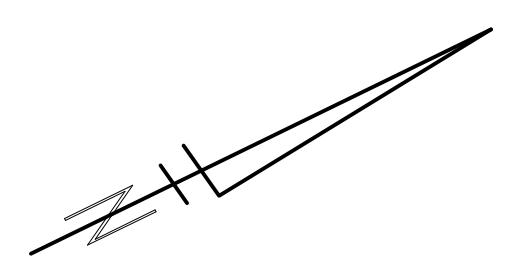
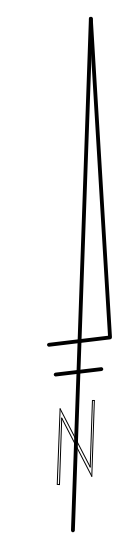
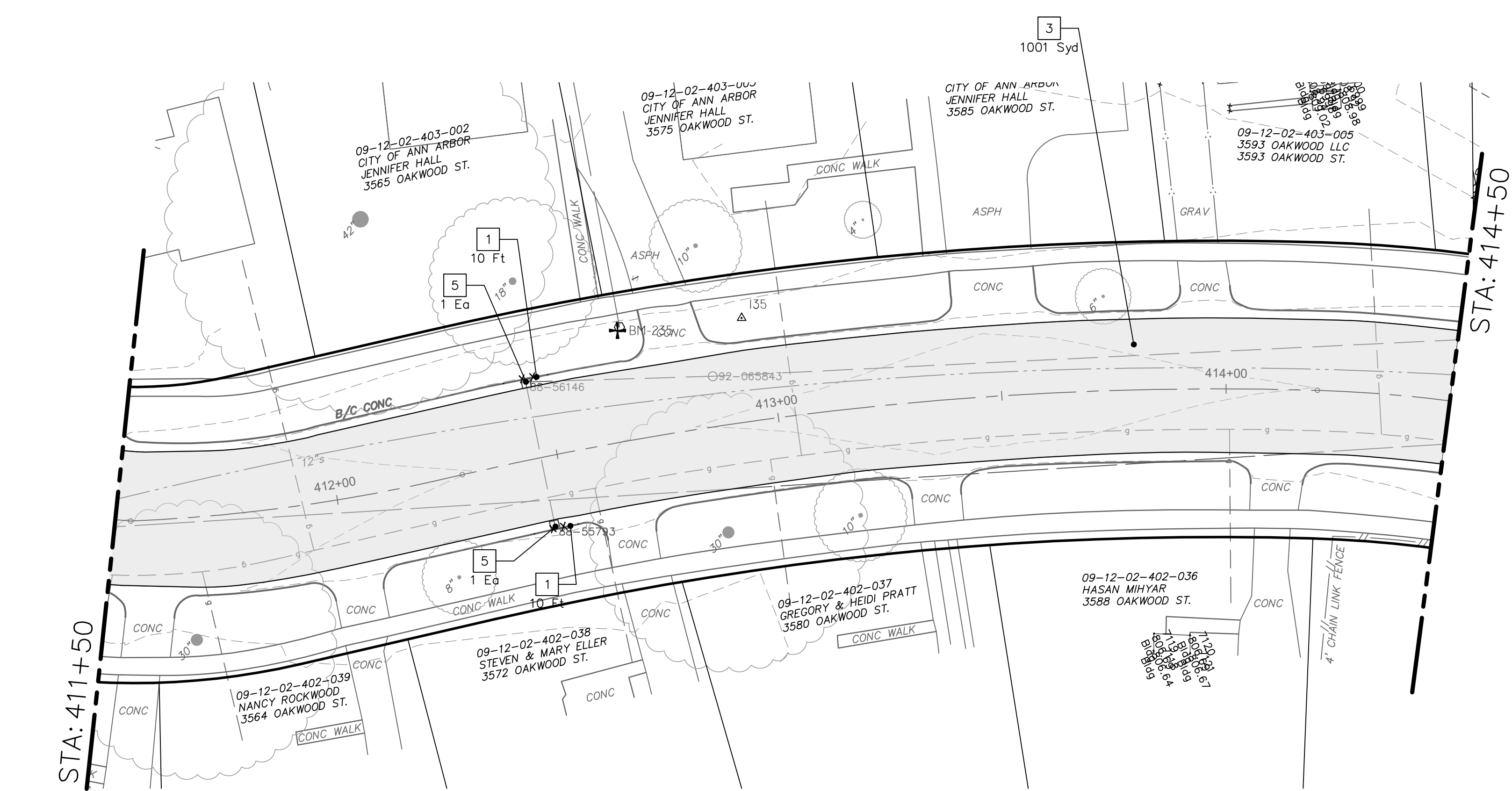
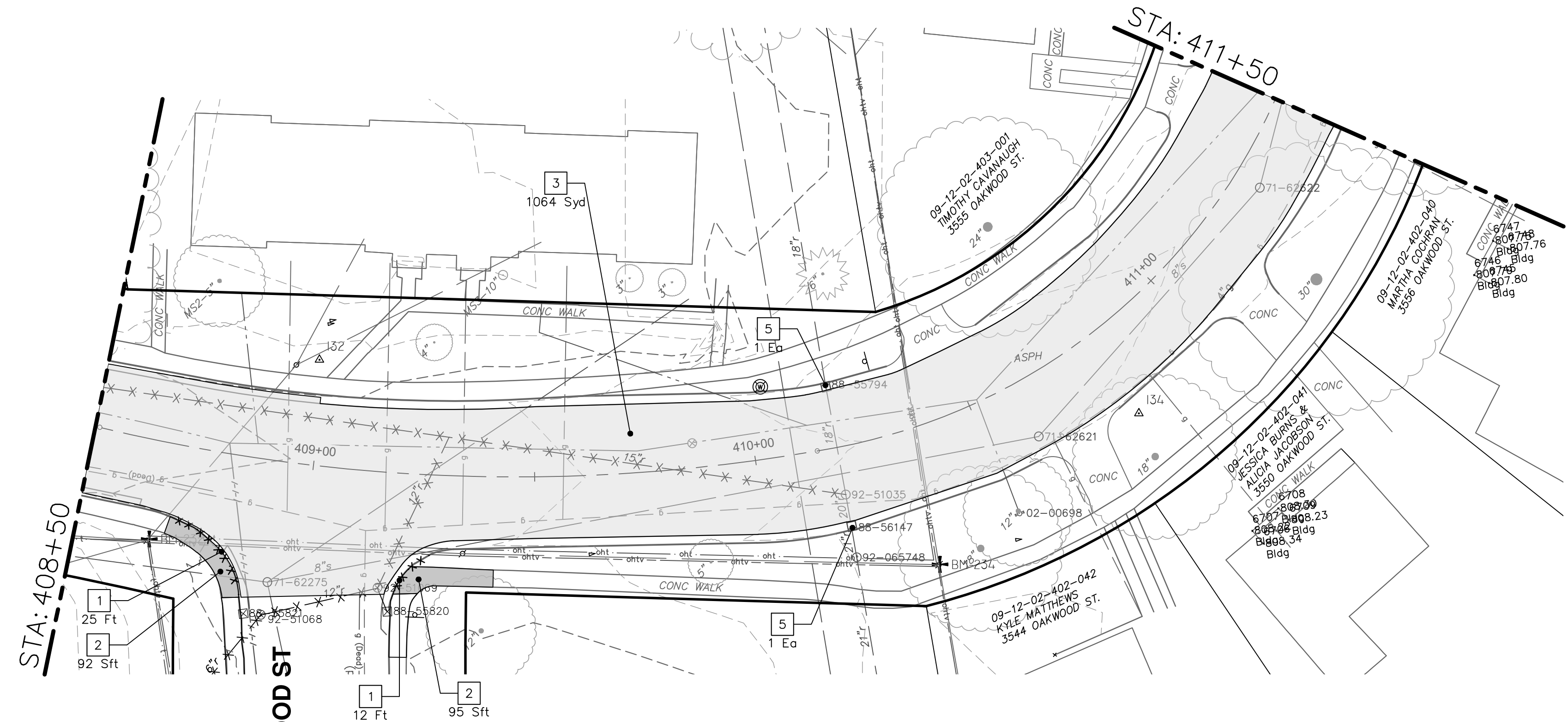
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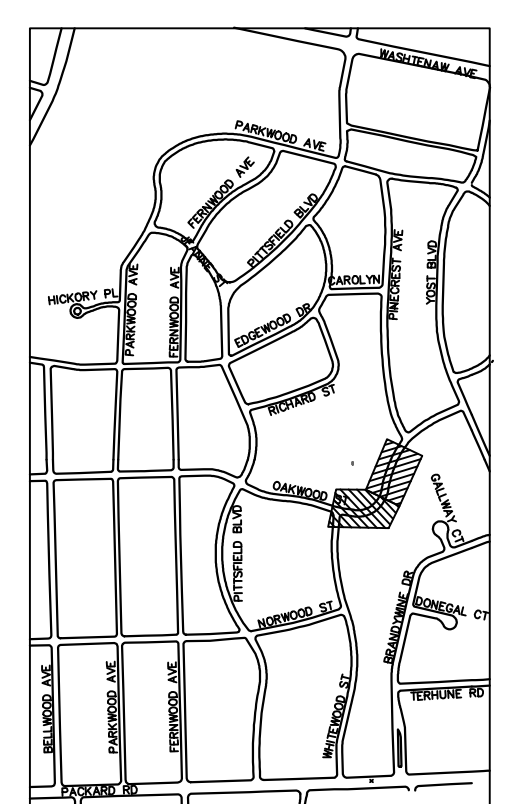
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OAKWOOD STREET



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

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" = 4'
 DRAWING No. 2022-031-87
 SHEET No. 87 OF 161

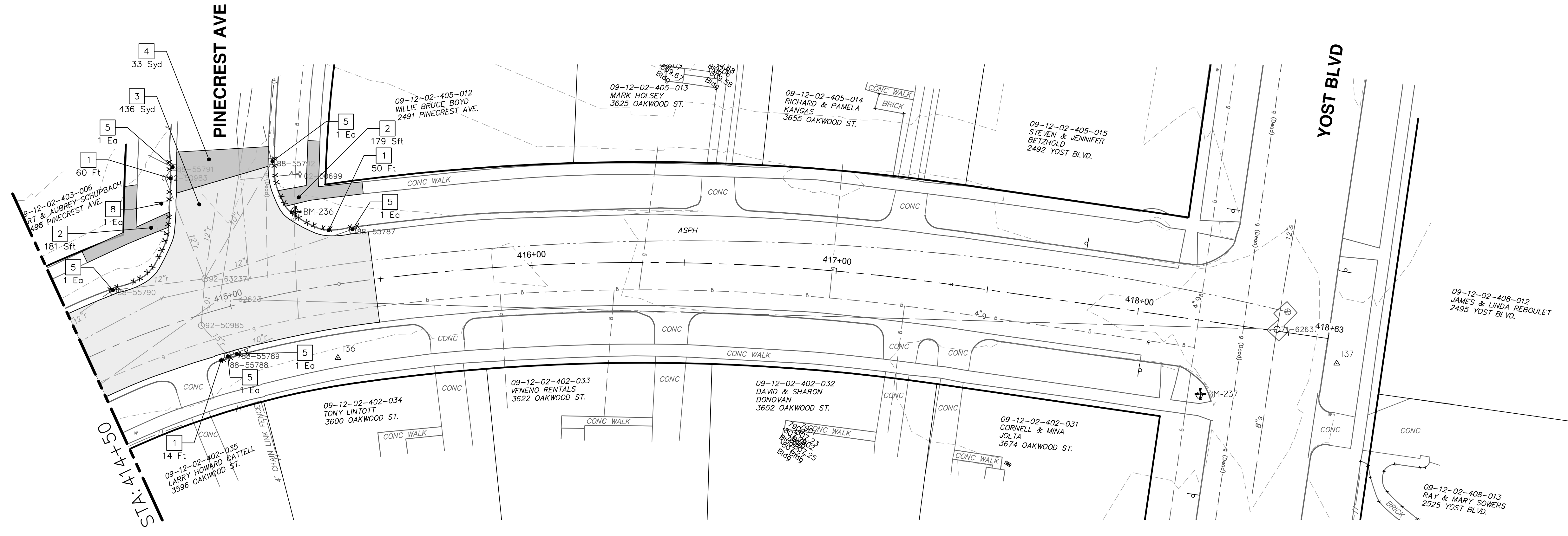
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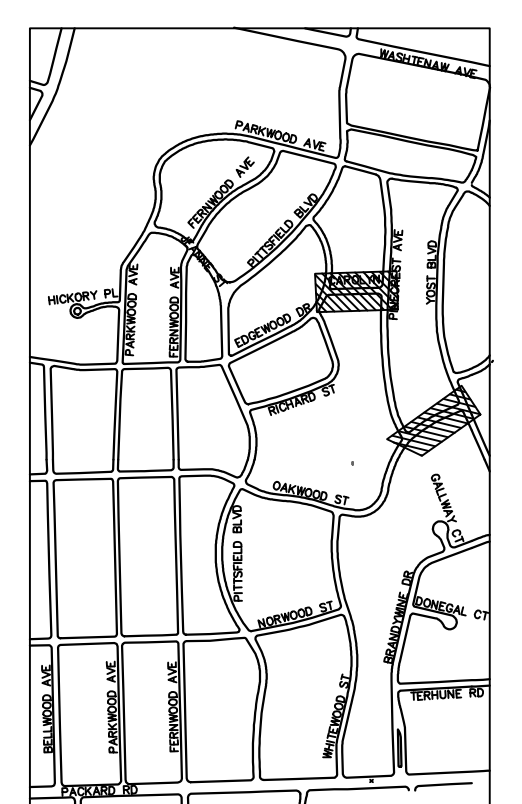
OAKWOOD STREET



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

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PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

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

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01 REV.

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PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-1667
ANN ARBOR 734.794.6410
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CITY OF ANN ARBOR

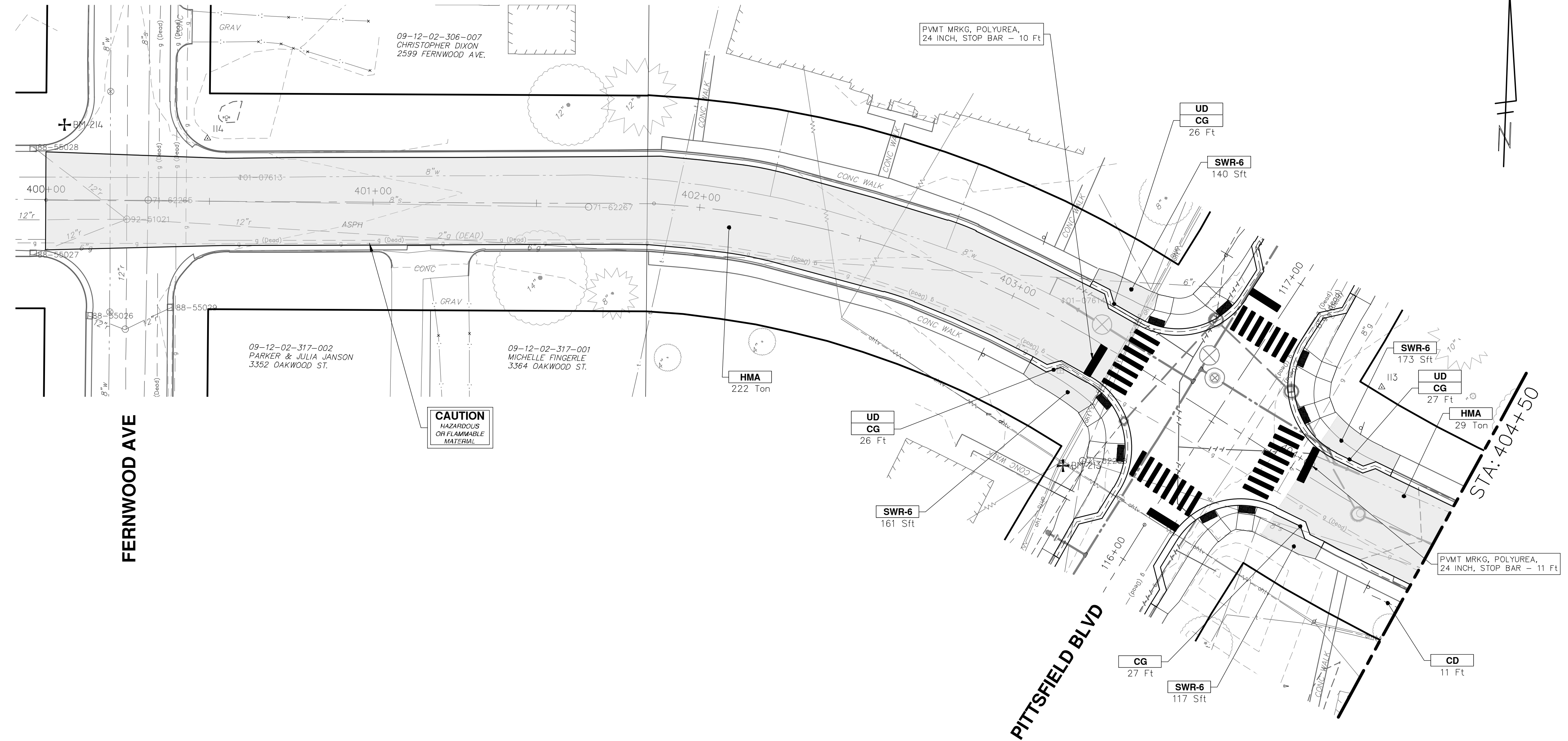
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PROFILE: 1" = 4'

DRAWING No. 2022-031-88

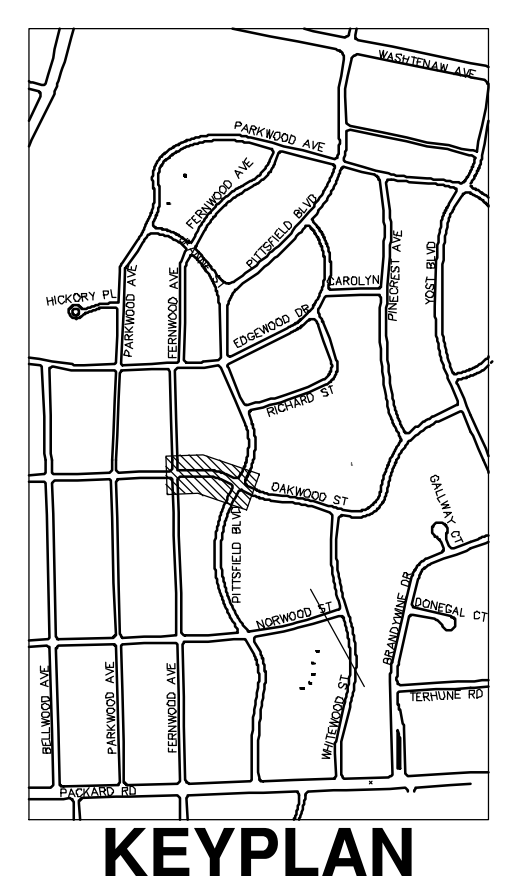
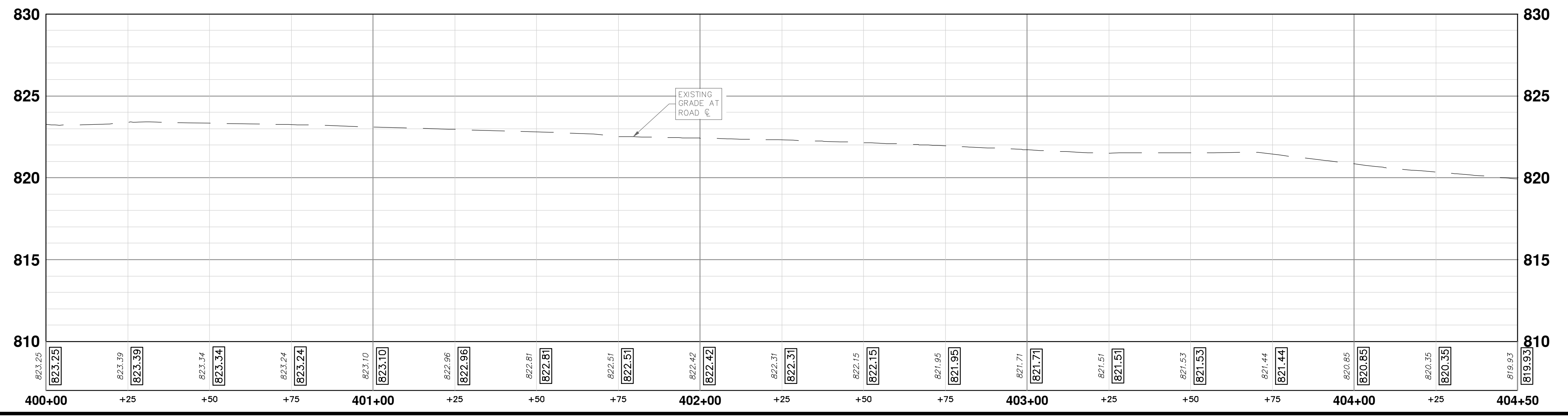
SHEET No. 88 OF 161

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: 19-Dec-24

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

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

SHEET No. **89 OF 161**

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

DRAWING No. **2022-031-89**

811
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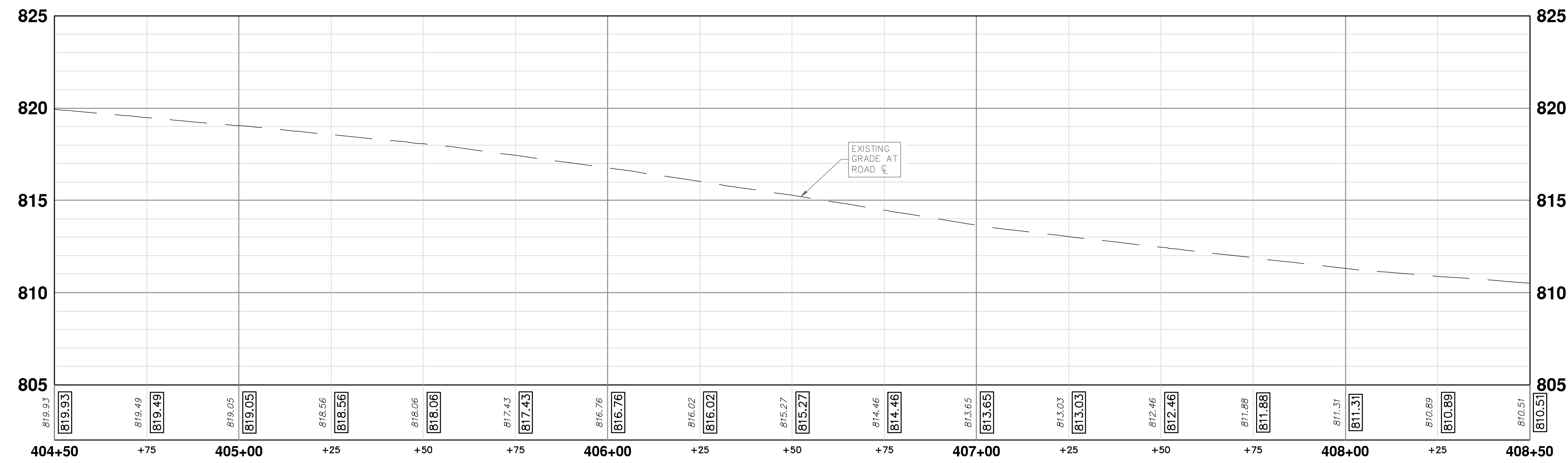
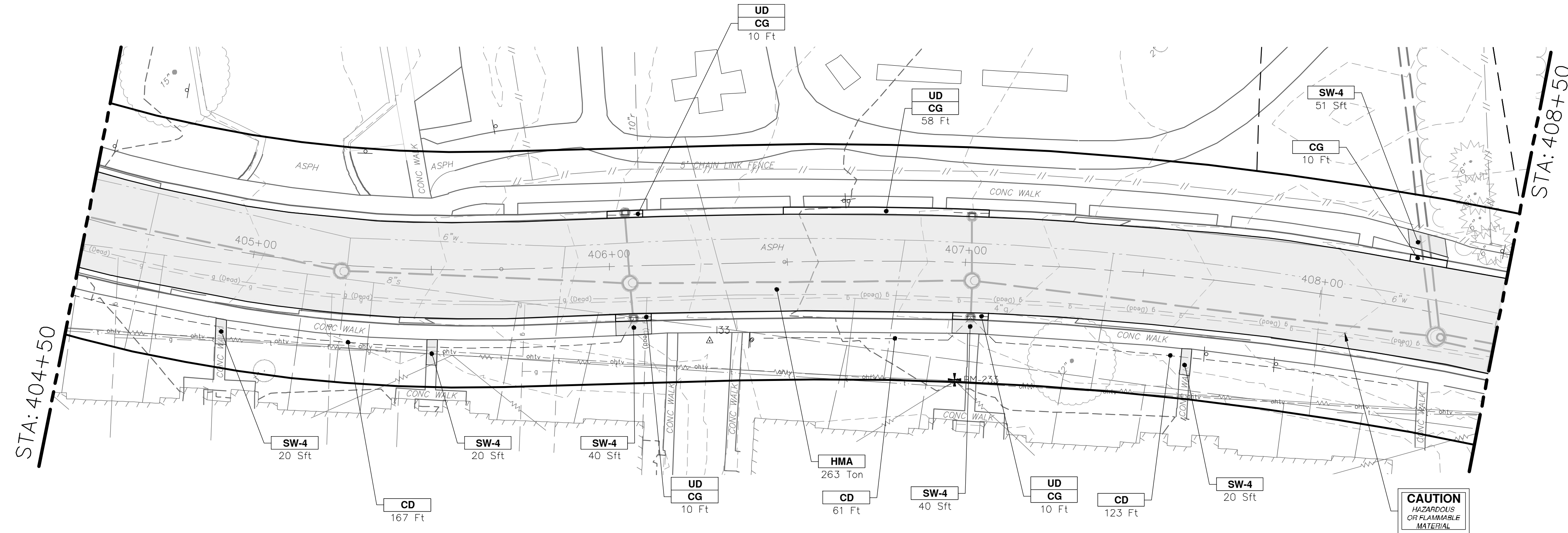
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DATE: 12-19-2024
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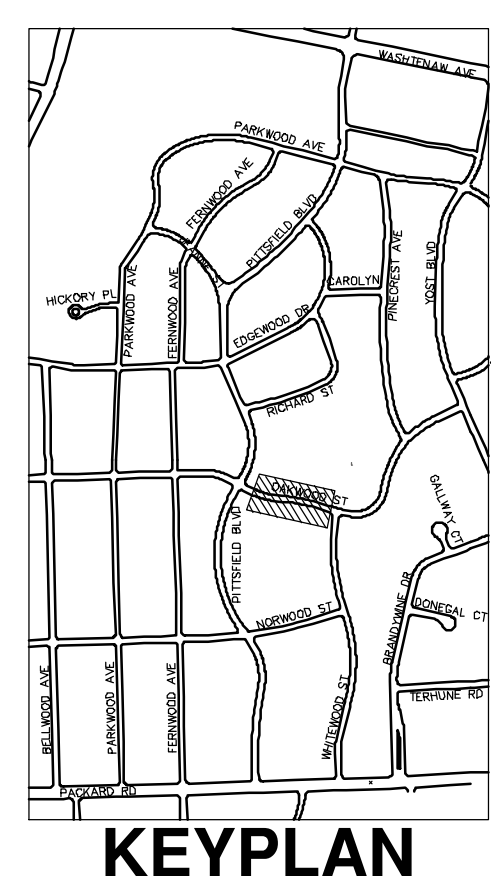
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OAKWOOD STREET



CONSTRUCTION KEY	
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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

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

OAKWOOD STREET

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

SHEET No. **90 OF 161**

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

DRAWING No. **2022-031-90**

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

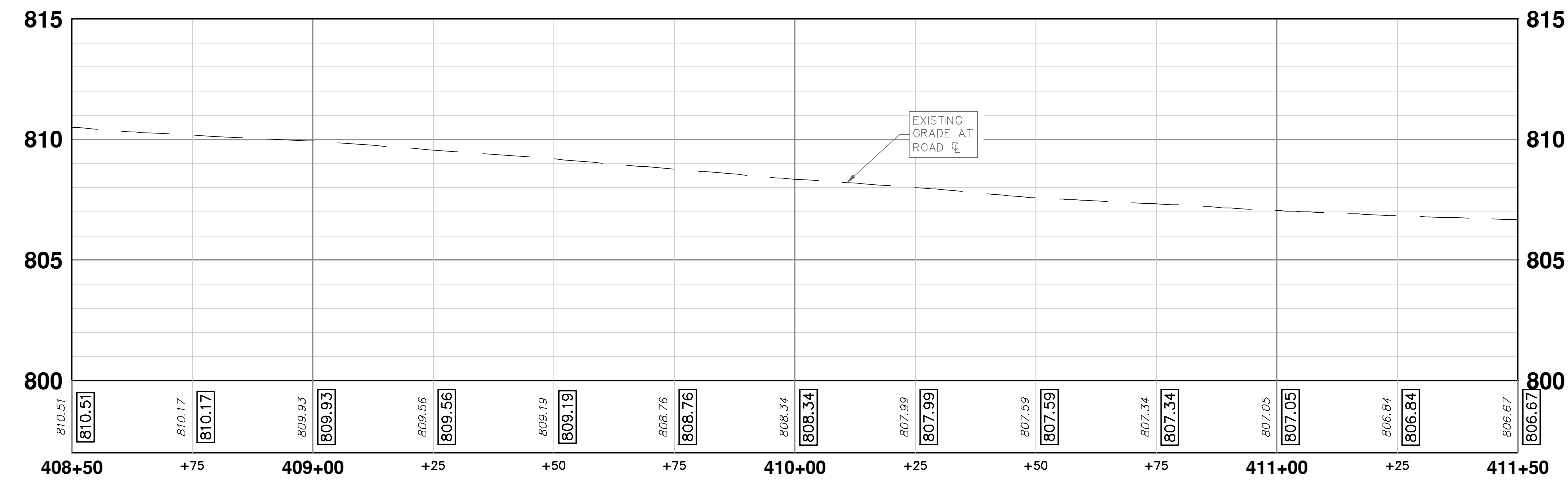
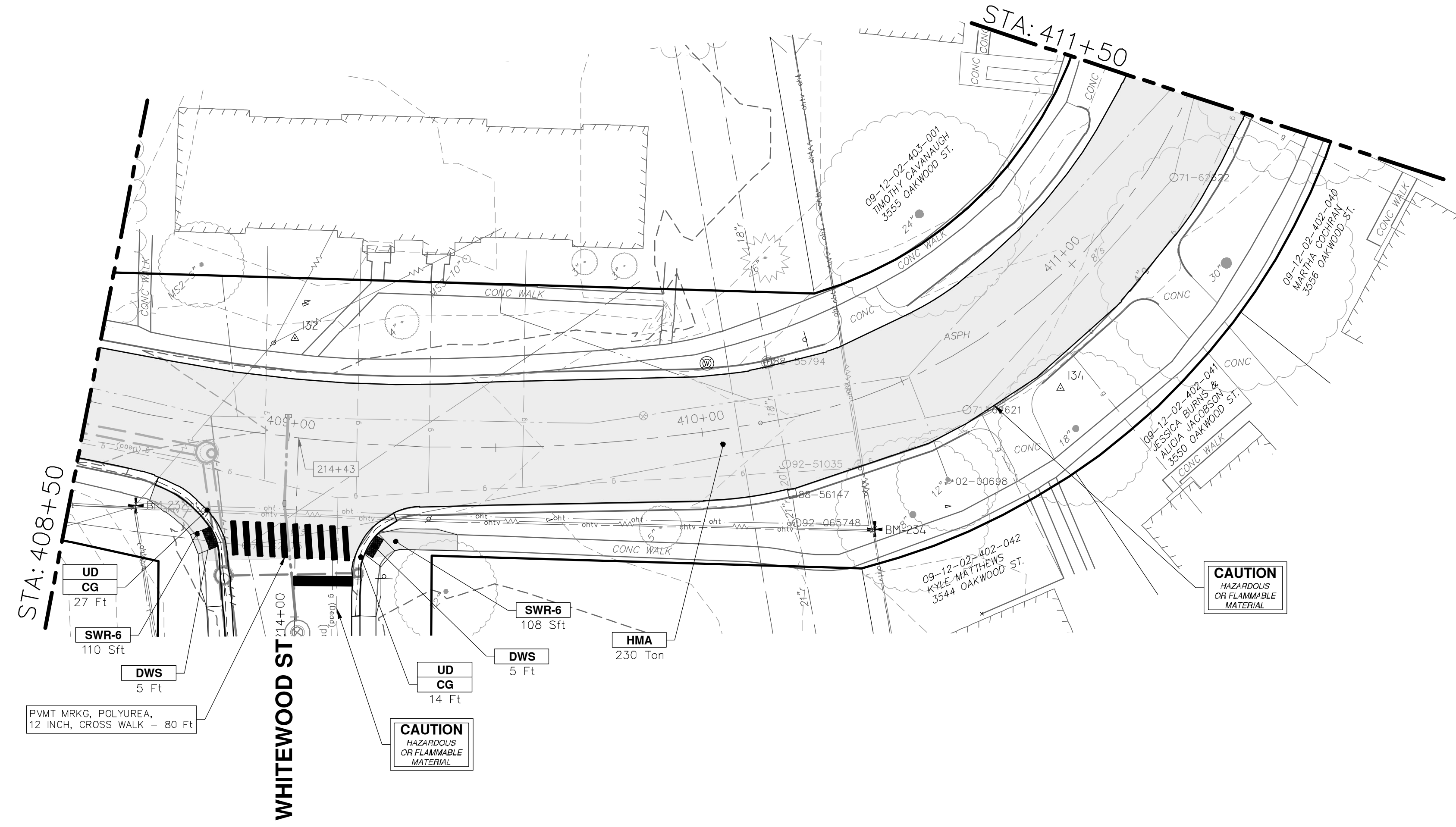
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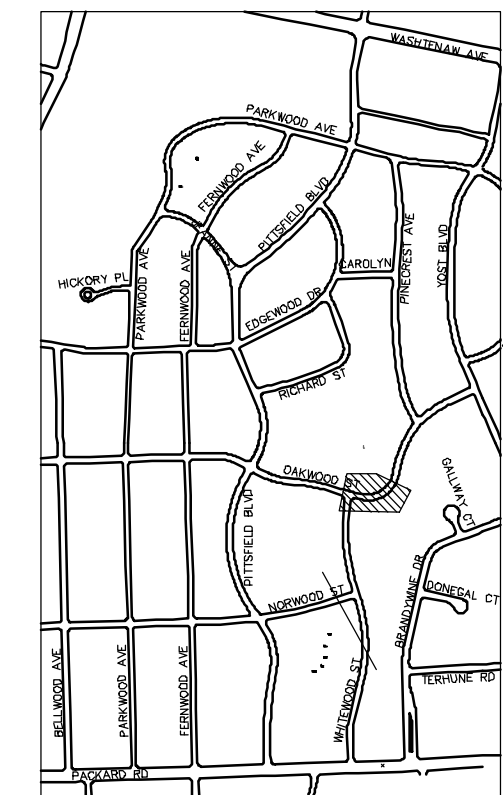
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OAKWOOD STREET



CONSTRUCTION KEY	
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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 - 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. **2022-031-91**

SHEET No. **91 OF 161**



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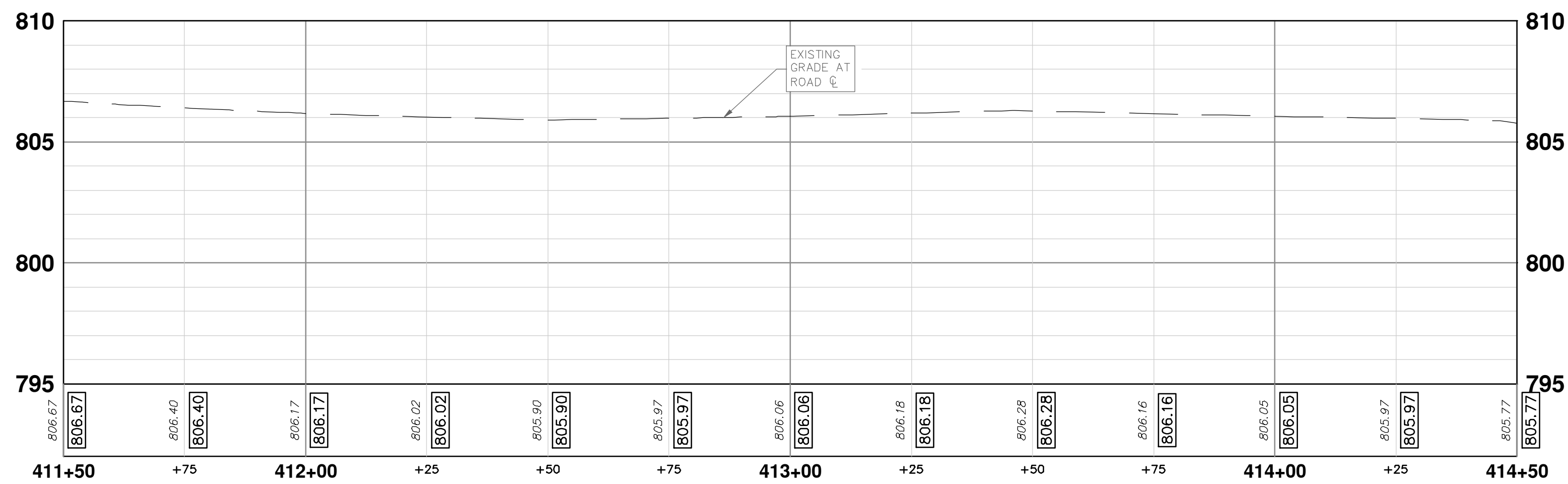
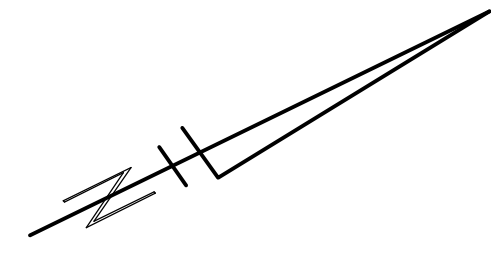
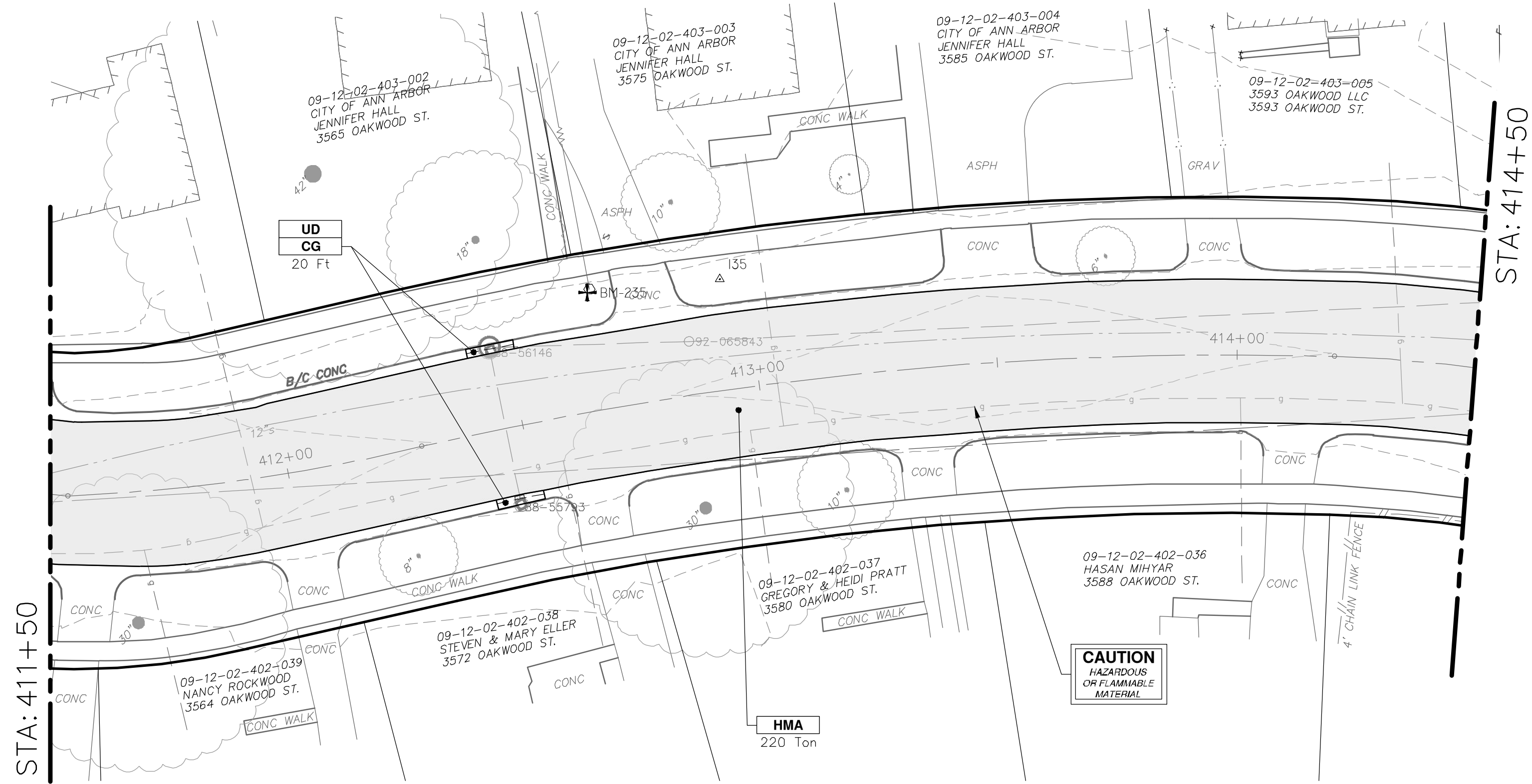
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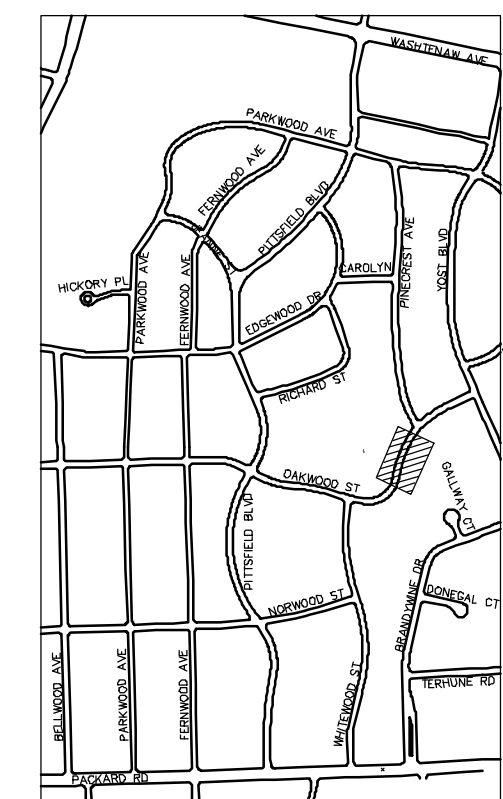
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OAKWOOD STREET



CONSTRUCTION KEY	
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UD	6 INCH UNDERDRAIN



KEYPLAN

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. 2022-031-92

SHEET No. 92 OF 161

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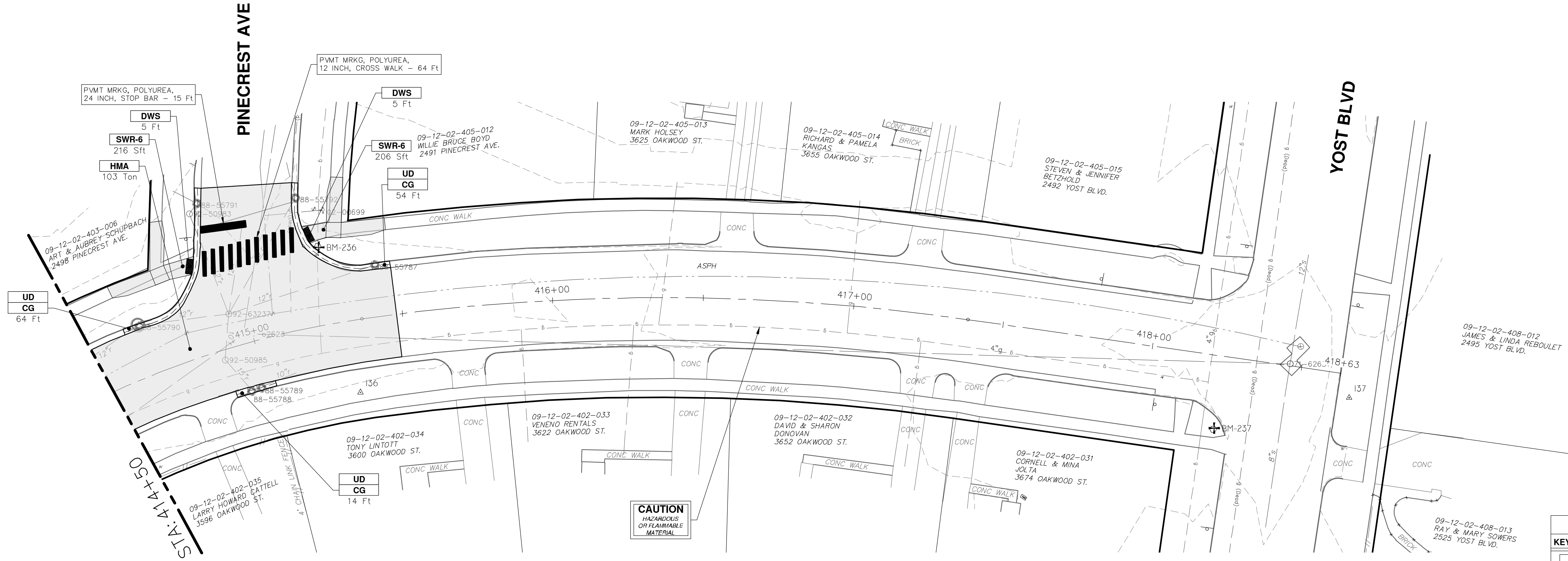


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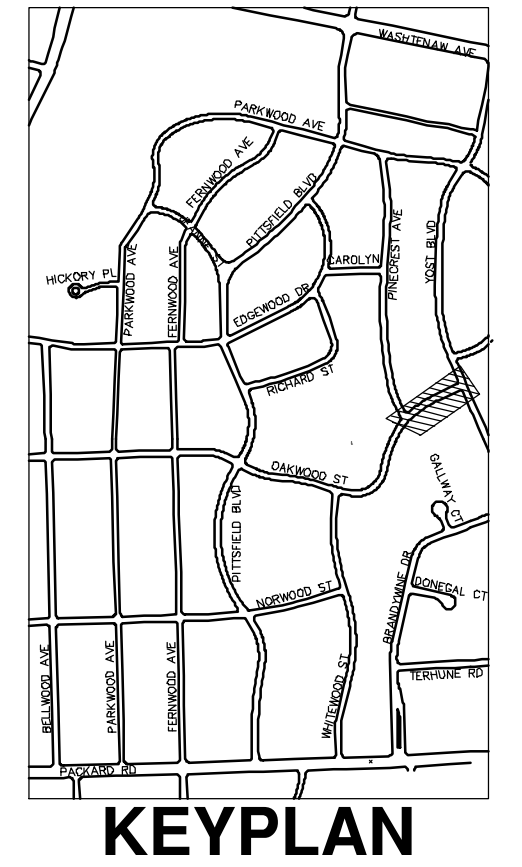
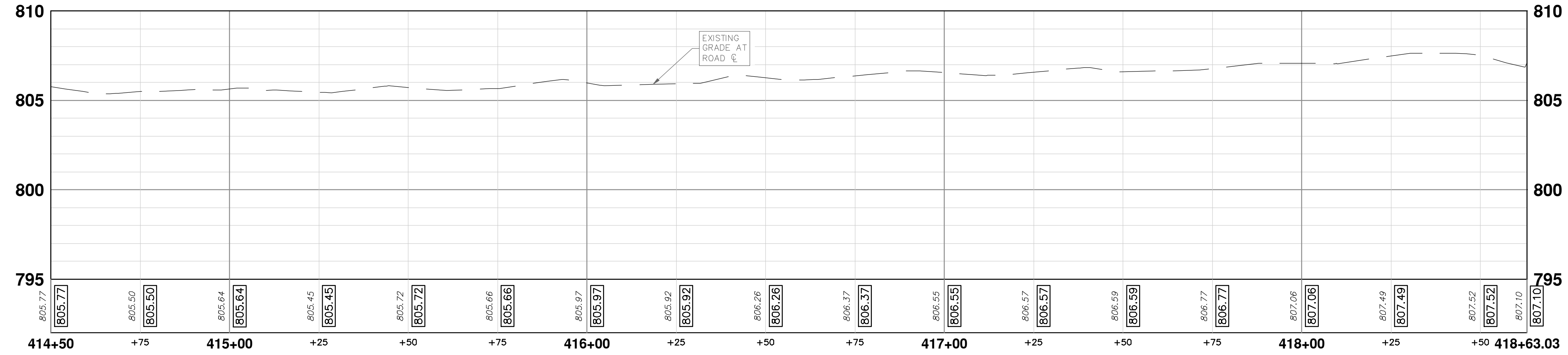


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OAKWOOD STREET



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SWR-6	6 INCH CONCRETE SIDEWALK OR SIDEWALK RAMP
UD	6 INCH UNDERDRAIN



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OAKWOOD STREET

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

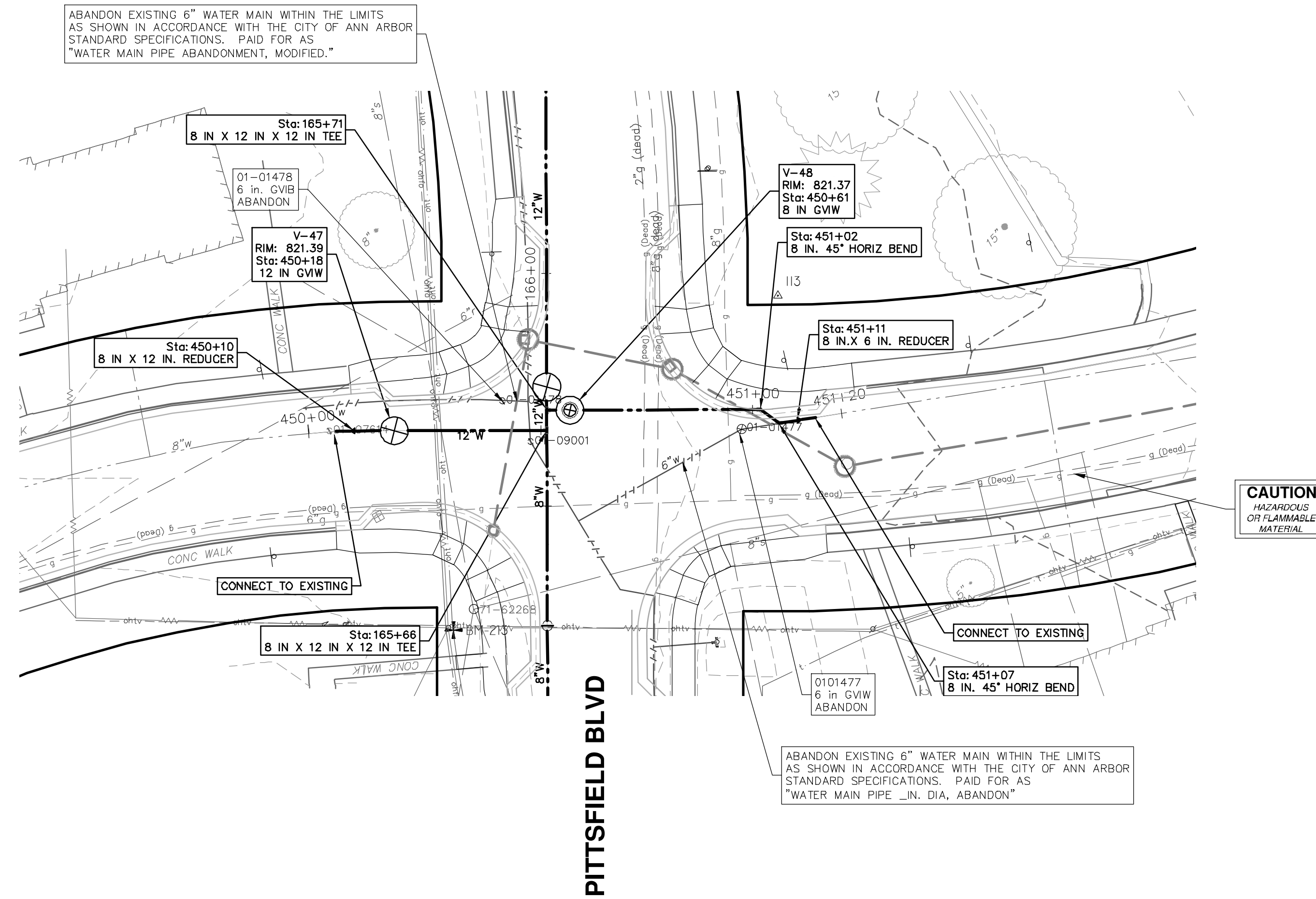
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

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

SHEET No.

93 OF 161

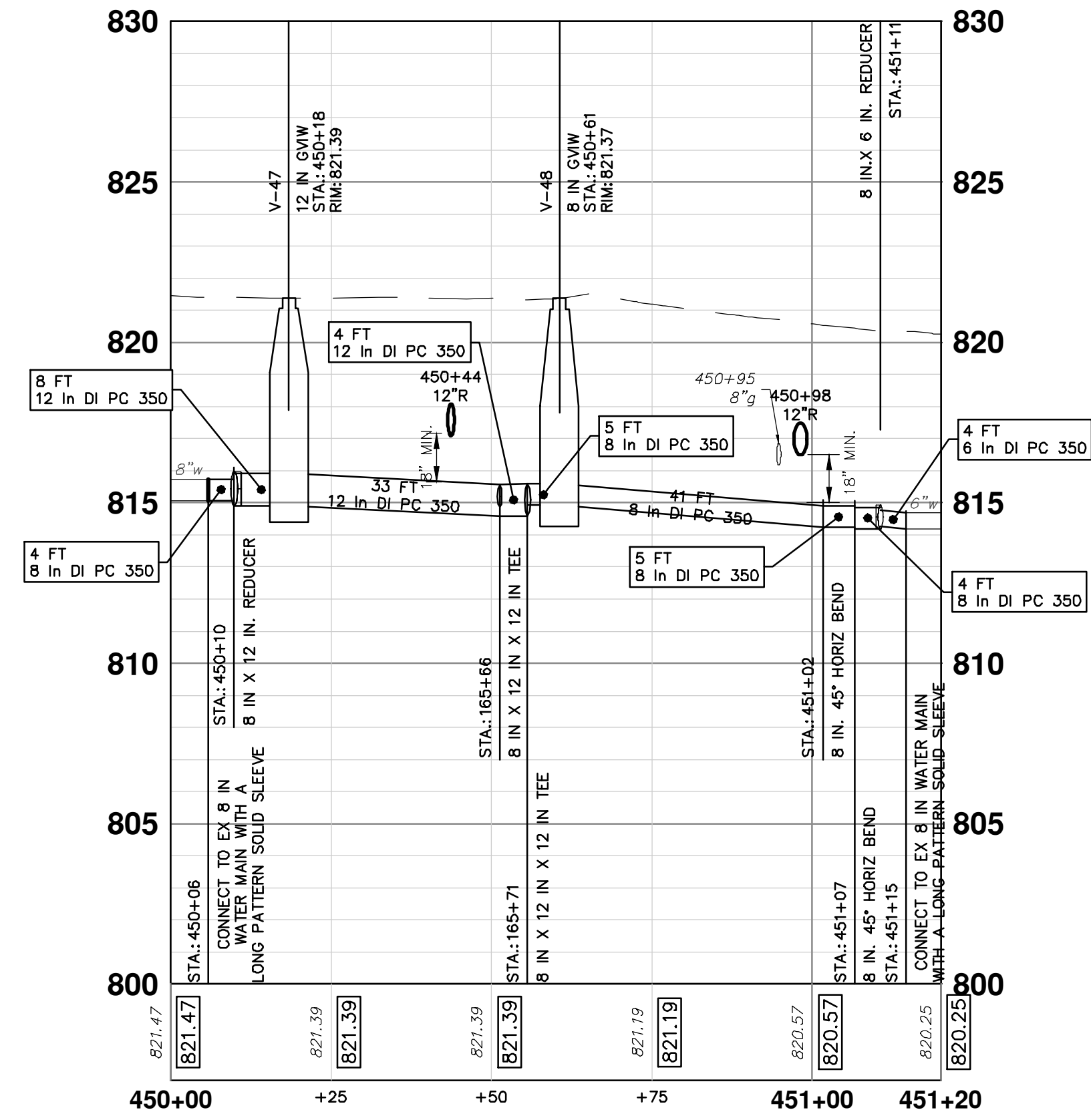
OAKWOOD STREET



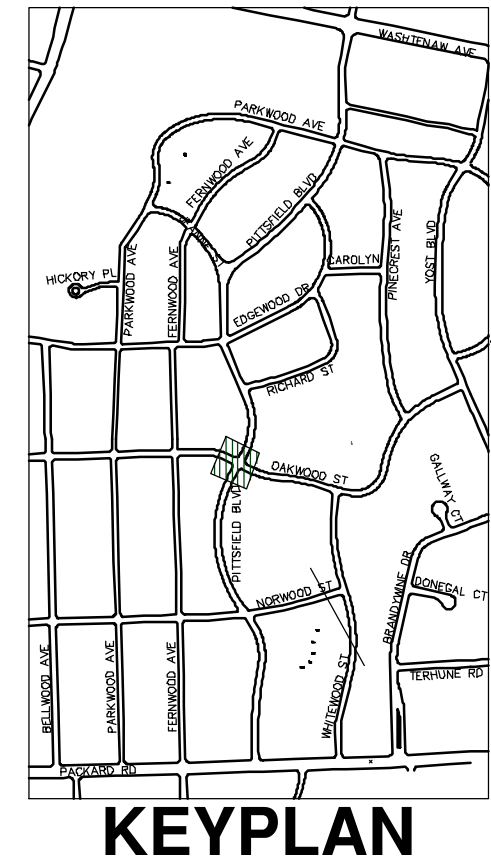
CAUTION
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OR FLAMMABLE
MATERIAL

WATER MAIN NOTES:

- 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"
- 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.
- 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-47	12 IN GWV	450+18	821.39	6.48
V-48	8 in GWV	450+61	821.37	6.45

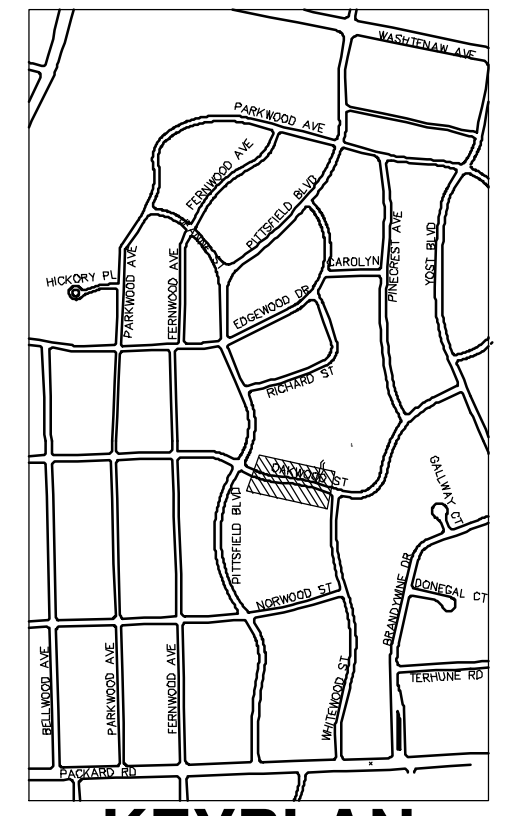
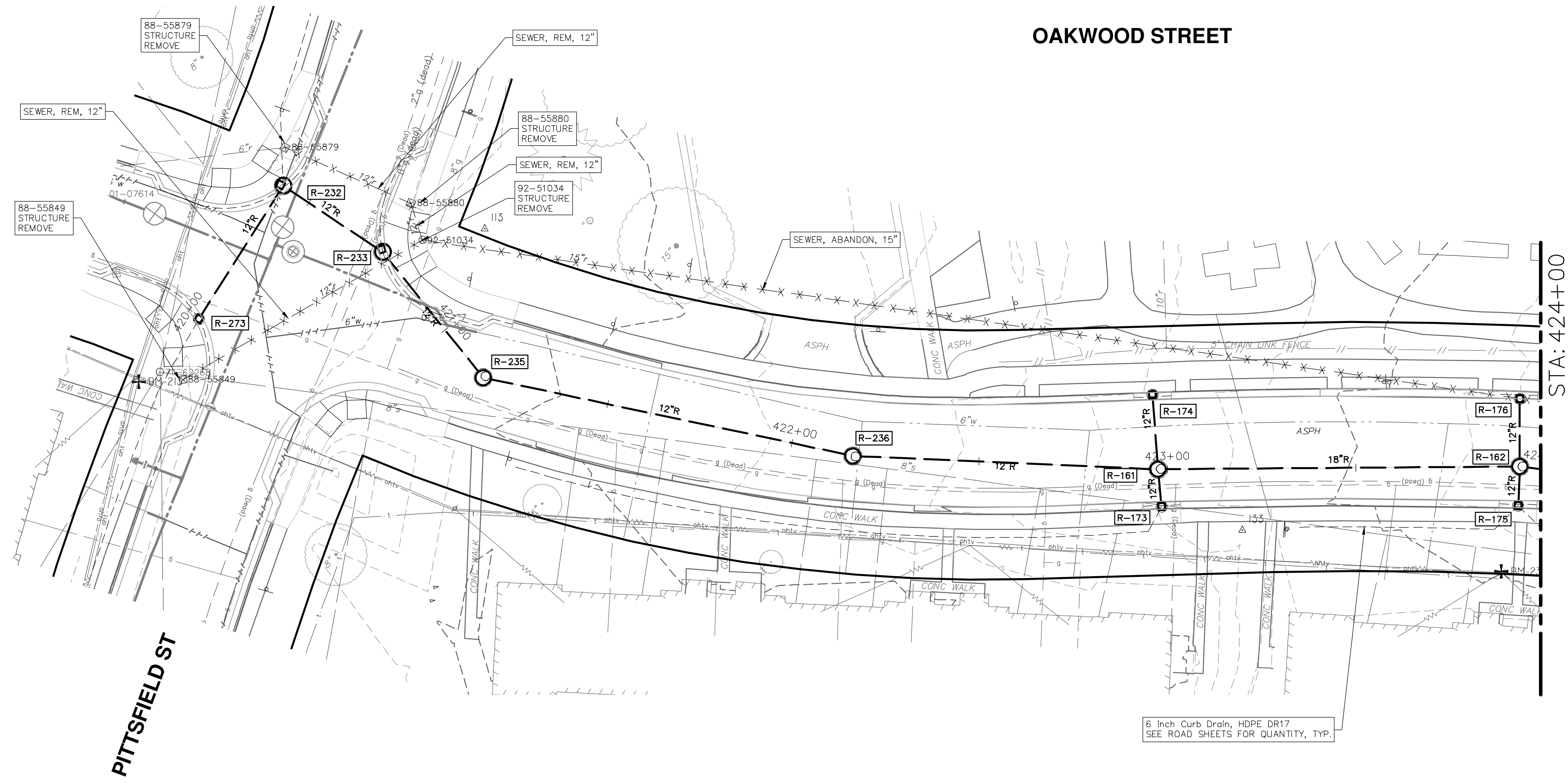


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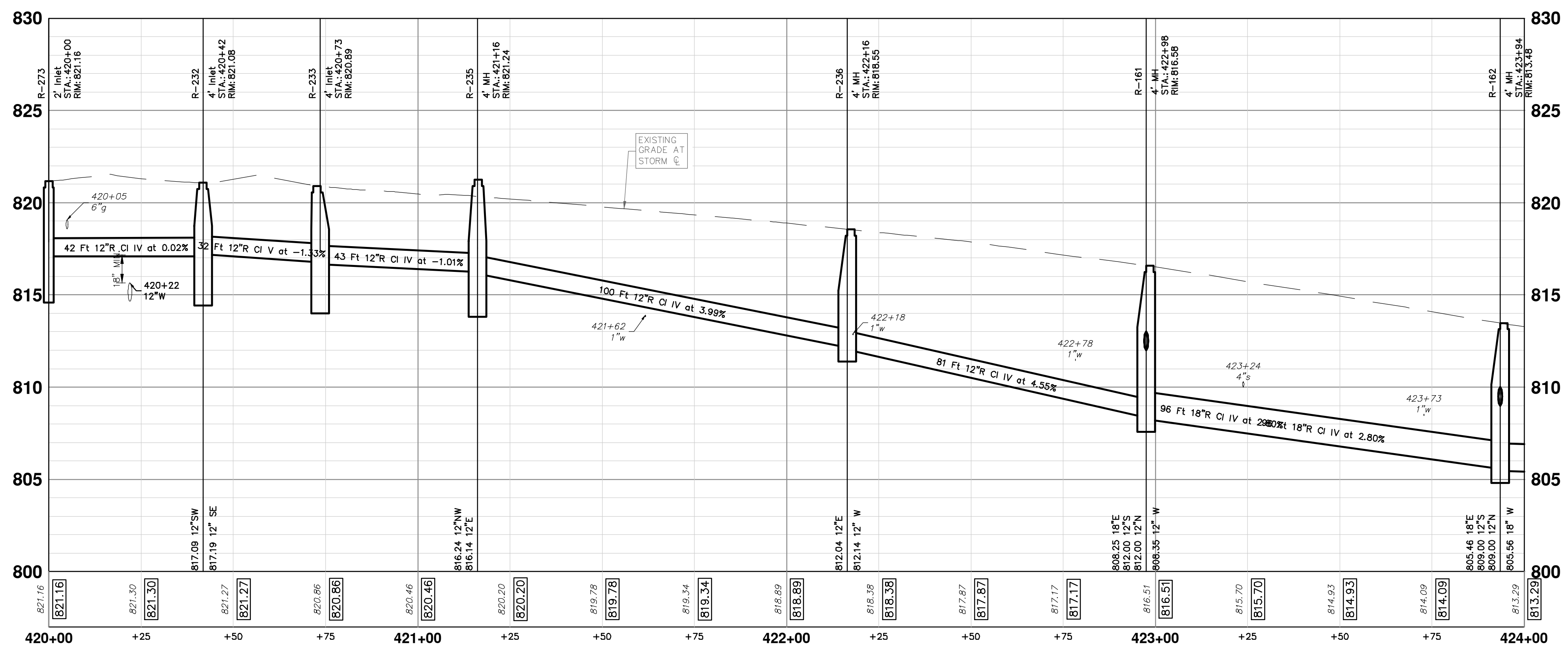


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OAKWOOD STREET



STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-161	422+98	4' MH	816.58	12" W 808.35 18" E 808.25 12" S 812.00 12" N 812.00	8.33	0'
R-162	423+94	4' MH	813.48	18" W 805.56 18" E 805.46 12" S 809.00 12" N 809.00	8.02	0'
R-173	422+98	2' Inlet	816.51	12" N 812.15	6.36	2'
R-174	422+95	2' Inlet	816.49	12" S 812.25	6.24	2'
R-175	423+94	2' Inlet	813.33	12" N 809.22	6.11	2'
R-176	423+94	2' Inlet	813.58	12" S 809.30	6.28	2'
R-232	420+42	4' Inlet	821.08	12" SE 817.19 12" SW 817.09	5.99	2'
R-233	420+73	4' Inlet	820.89	12" SE 816.67 12" NW 816.77	6.22	2'
R-235	421+16	4' MH	821.24	12" NW 816.24 12" E 816.14	6.75	2'
R-236	422+16	4' MH	818.55	12" W 812.14 12" E 812.04	6.51	0'



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
OAKWOOD STREET

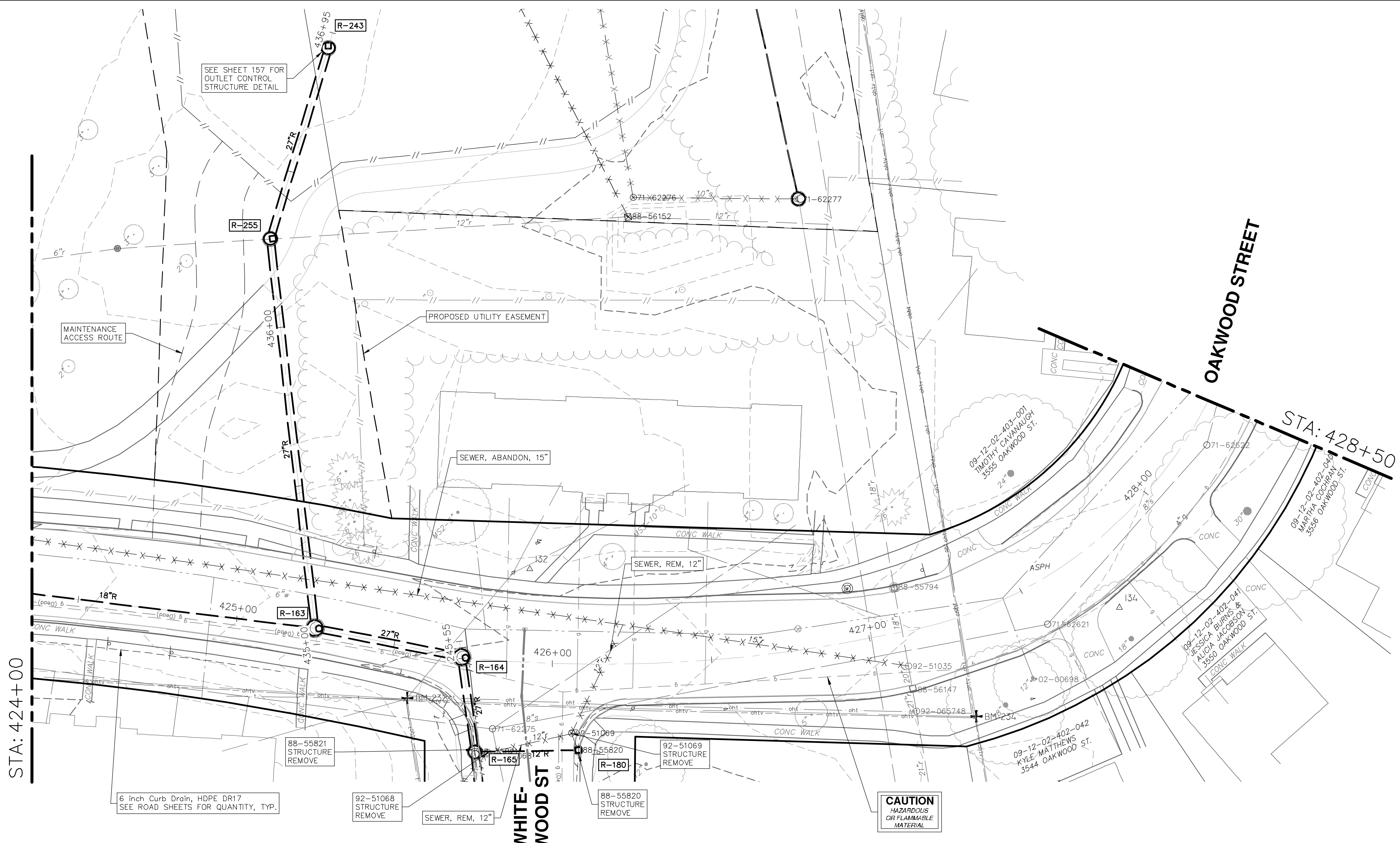
STORM SEWER PLAN (STA 420+00 TO STA 424+00)

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

DRAWING NO.
2022-031-95

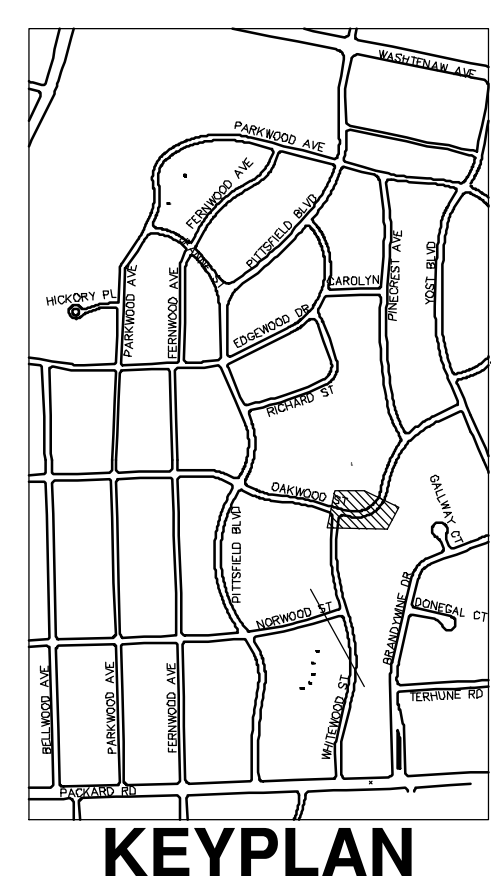
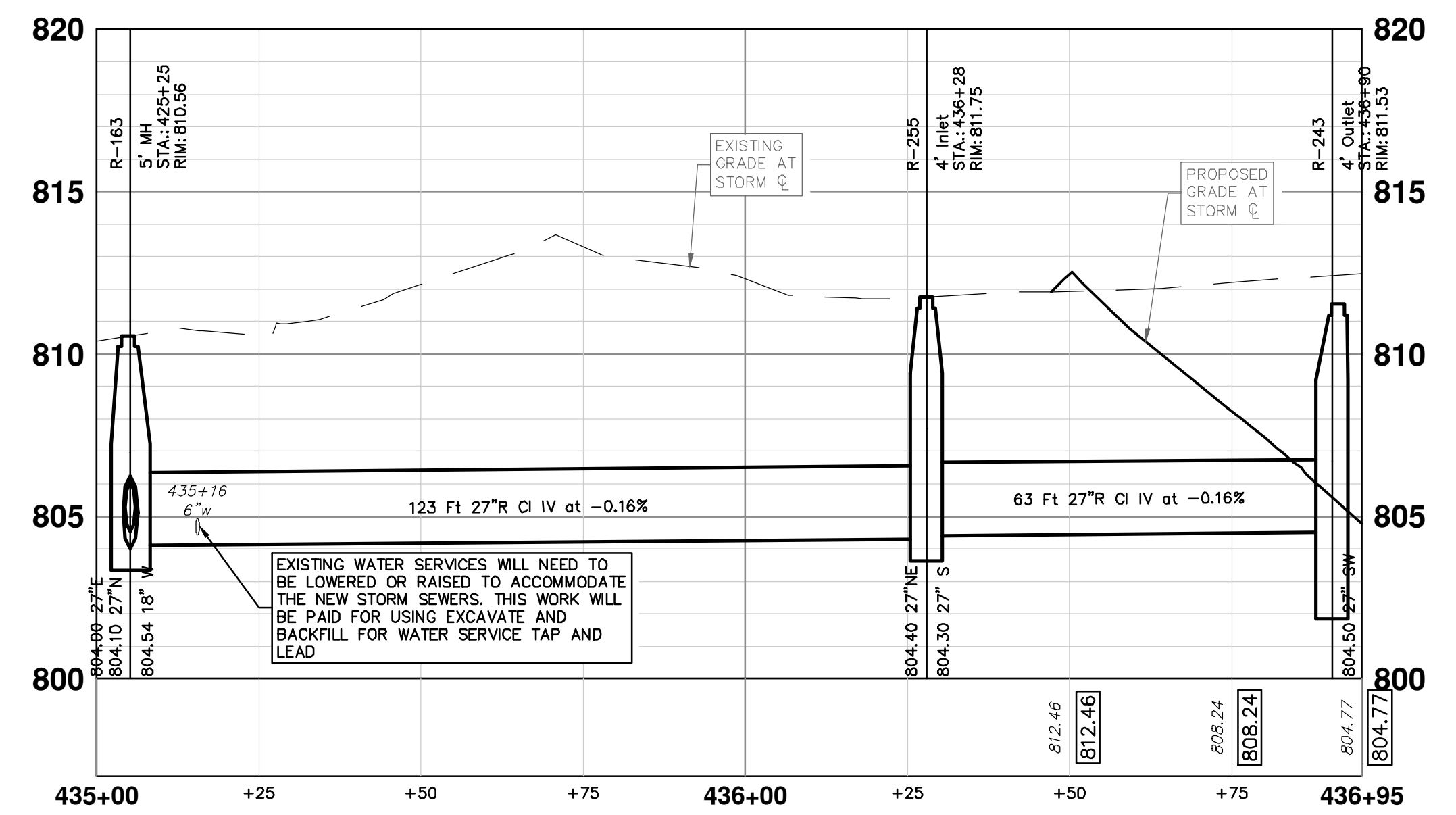
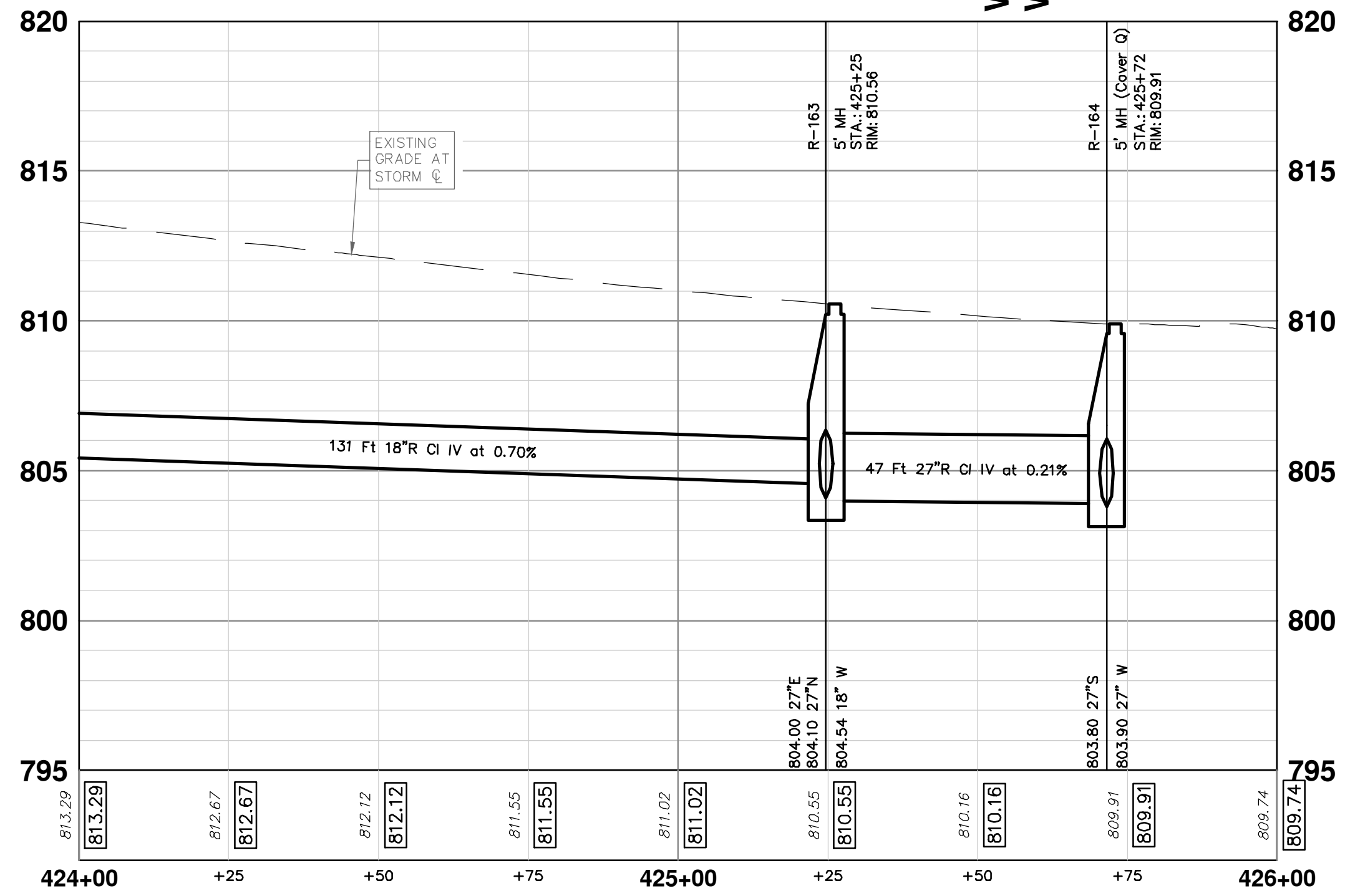
SHEET No.


95 OF 161



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-163	425+25	5' MH	810.56	18" W 804.54 27" E 804.00 27" N 804.10	6.56	0'
R-164	425+72	5' MH (Cover Q)	809.91	27" W 803.90 27" S 803.80	6.11	0'
R-165	245+20	4' MH	809.17	27" N 803.70 30" S 803.60 12" E 805.00	5.57	0'
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'


STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
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 804.30 27" NE 804.40	7.45	0'





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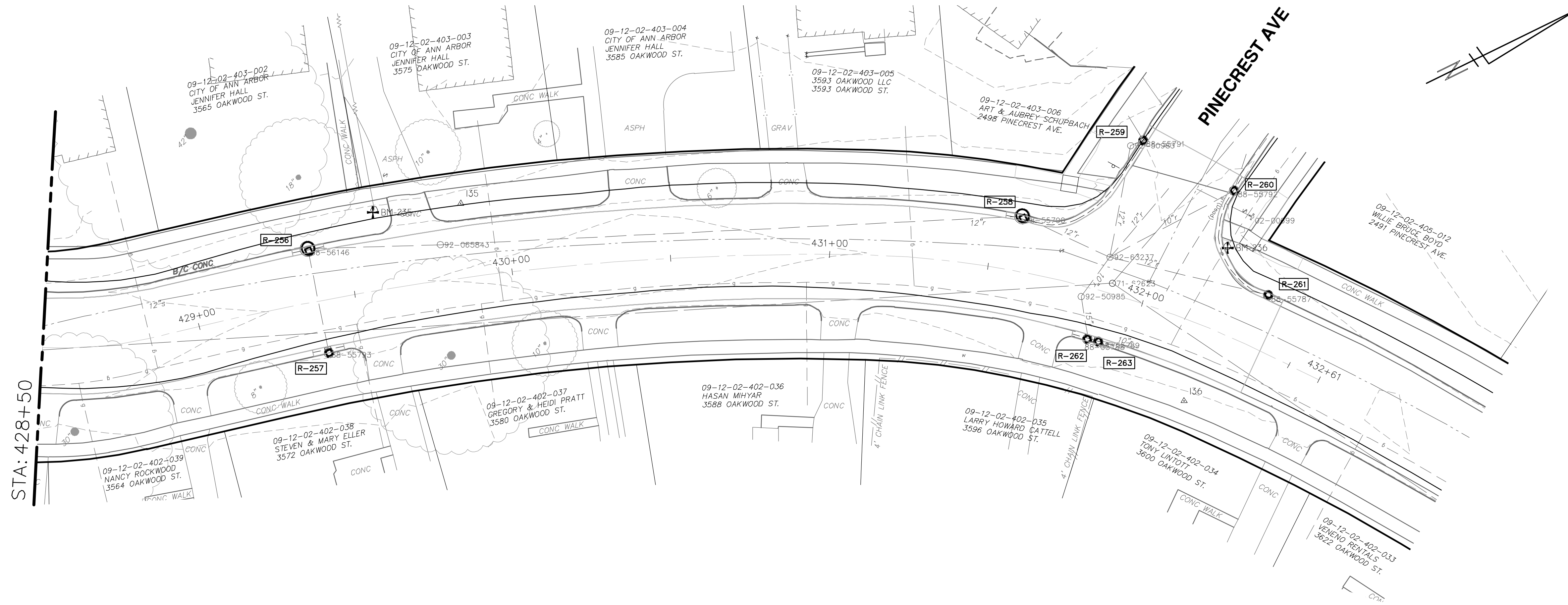
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
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 OAKWOOD STREET
 STORM SEWER PLAN (STA 424+00 TO STA 428+50)

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

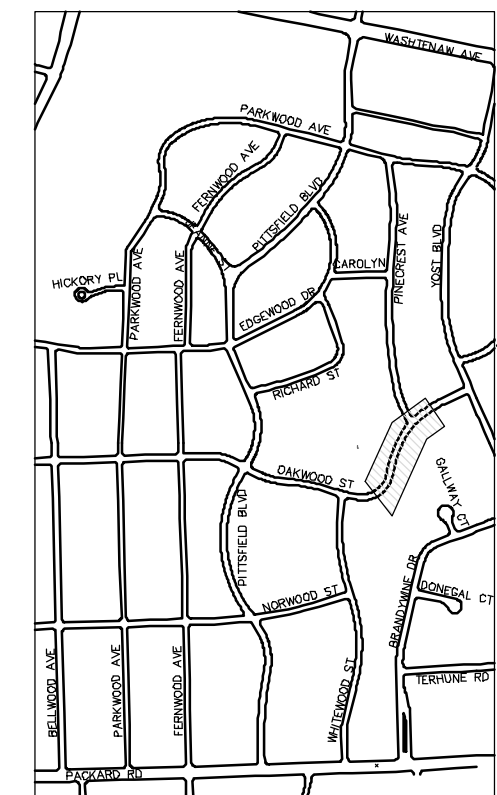
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OAKWOOD STREET



STORM SEWER STRUCTURE TABLE							
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP	
92-50983	431+83	EX MH	806.57	12" SE 802.07 12" N 802.37	4.50	0'	
92-50985	431+81	EX MH	805.53	10" NW 800.58 12" E 800.53	5.00	0'	
92-63237	431+86	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+38	4' Inlet	805.58	12" E 803.67 12" NE 803.67	3.91	2'	
R-257	429+39	2' Inlet	805.90	12" W 803.94	3.96	2'	
R-258	431+58	4' Inlet	805.23	12" NE 801.53 12" SW 801.61	5.70	2'	
R-259	431+86	2' Inlet	805.94	12" S 800.58	7.36	2'	
R-260	432+14	2' Inlet	805.59	10" S 803.36 6" NW 803.46	4.23	2'	
R-261	432+35	2' Inlet	805.37	12" SW 803.01	4.36	2'	
R-262	431+86	2' Inlet	805.15	12" W 800.45 12" NE 802.75	6.70	2'	
R-263	431+90	2' Inlet	805.20	12" SW 800.04 10" NE 800.50	7.15	2'	



KEYPLAN



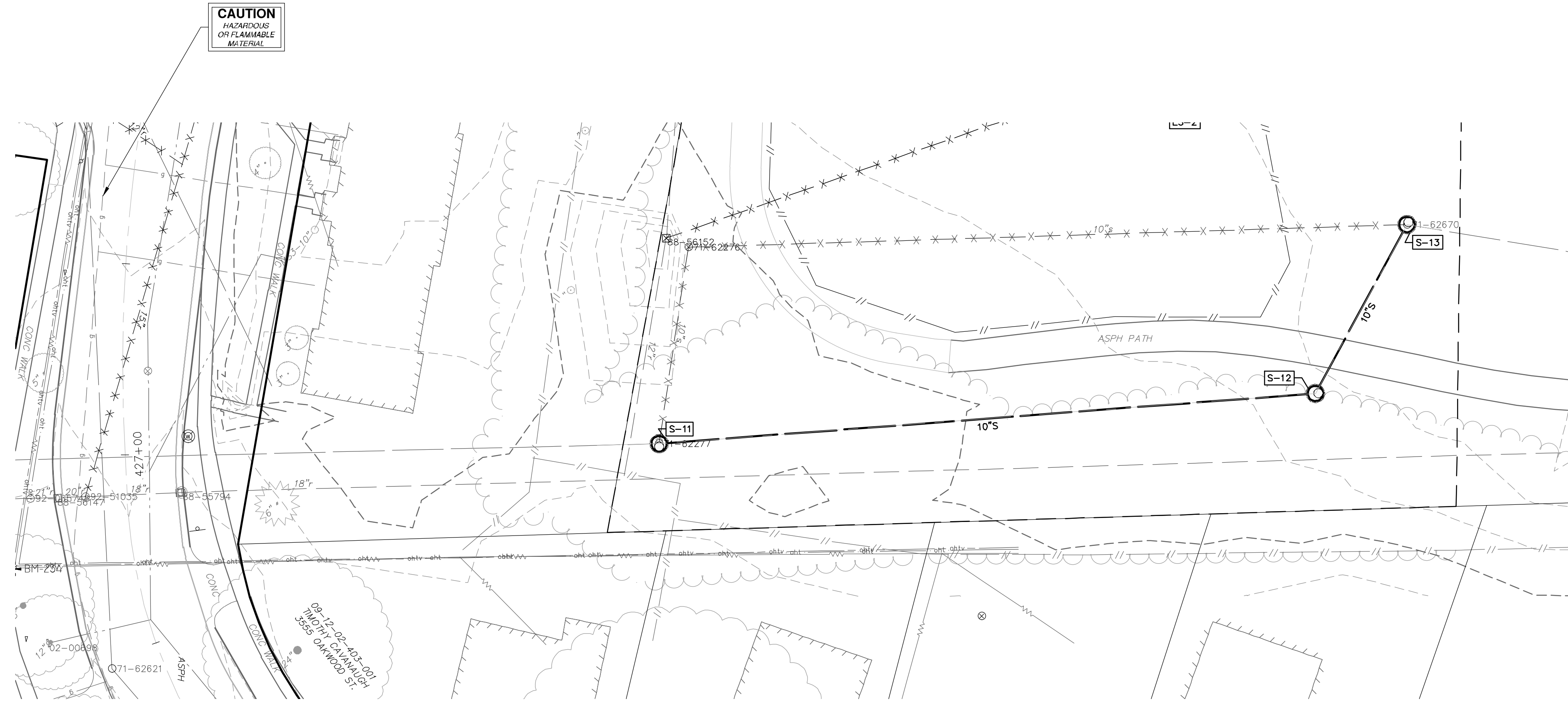
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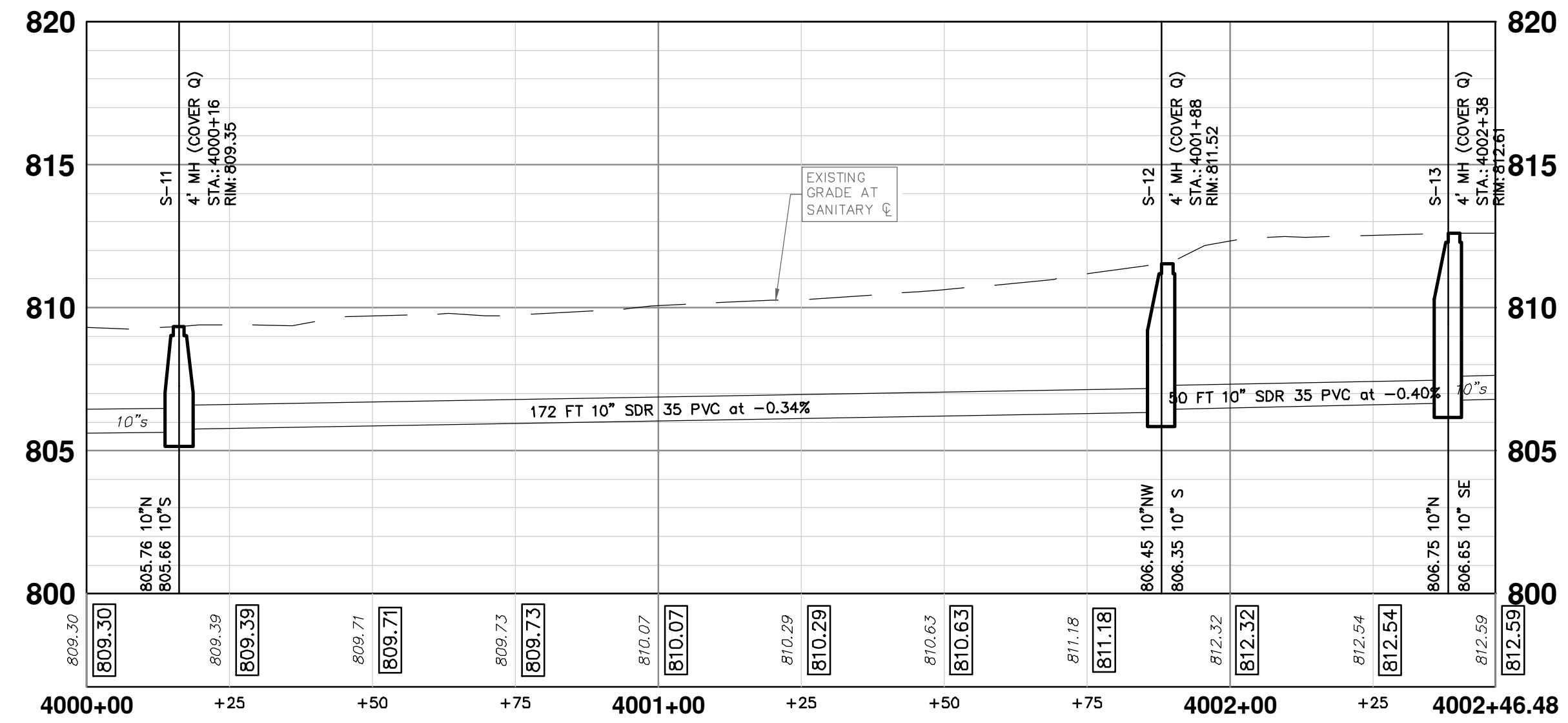


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
OAKWOOD STREET
STORM SEWER PLAN (STA 428+50 TO STA 432+26)

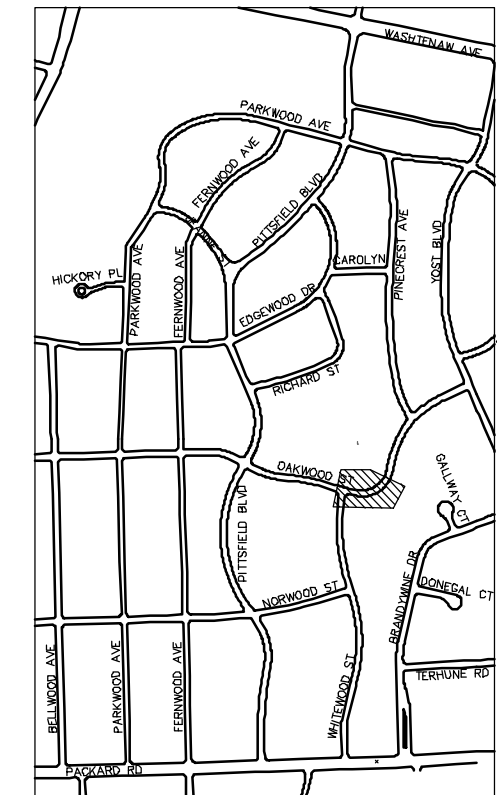
SCALE PLAN: 1" = 20'
DRAWING No. 2022-031-97



OAKWOOD STREET



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 (Cover Q)
S-12	4001+88	811.52	5.17	48	4' MH	10" S 806.35 10" NW 806.45	4' MH (Cover Q)
S-13	4002+38	812.61	5.96	48	4' MH	10" SE 806.65 10" N 806.75	4' MH (Cover Q)



KEYPLAN



CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4410
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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)

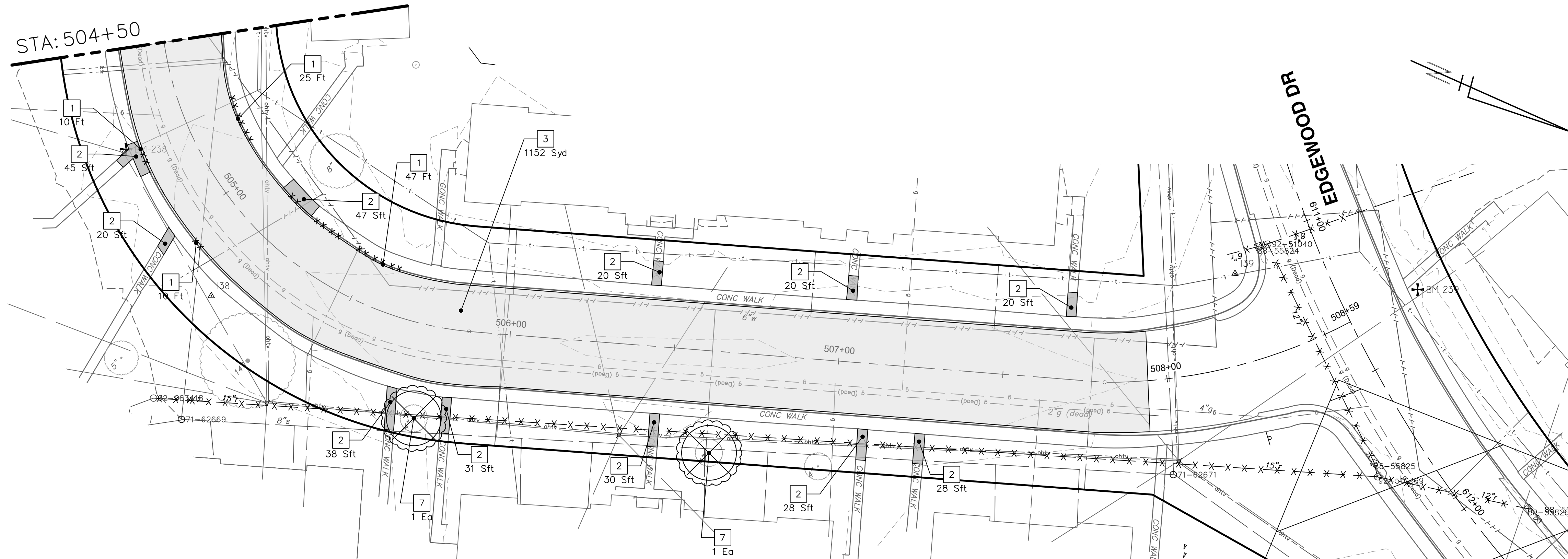
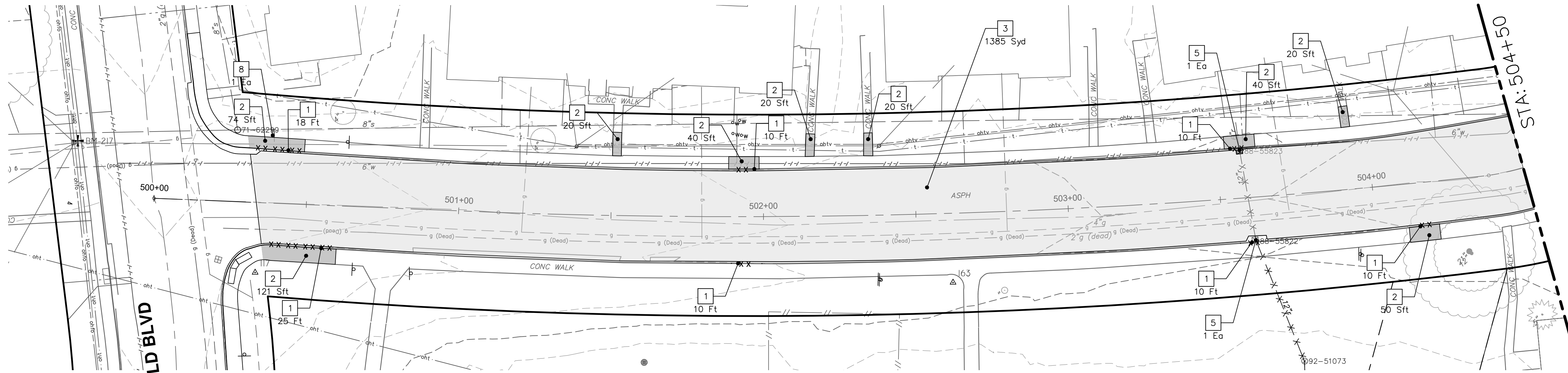
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No.
2022-031-98



REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

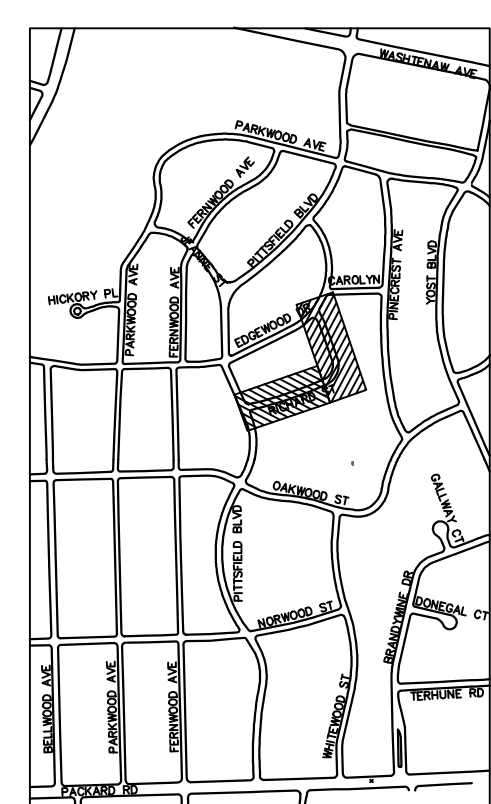
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RICHARD STREET

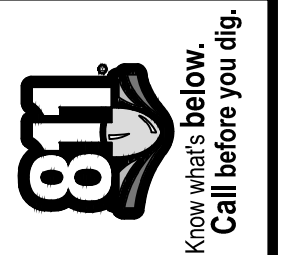


REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR GUTTER AND GUTTER - ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE - SIZE VARIES
8	REMOVE AND SALVAGE SIGN

- * 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



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

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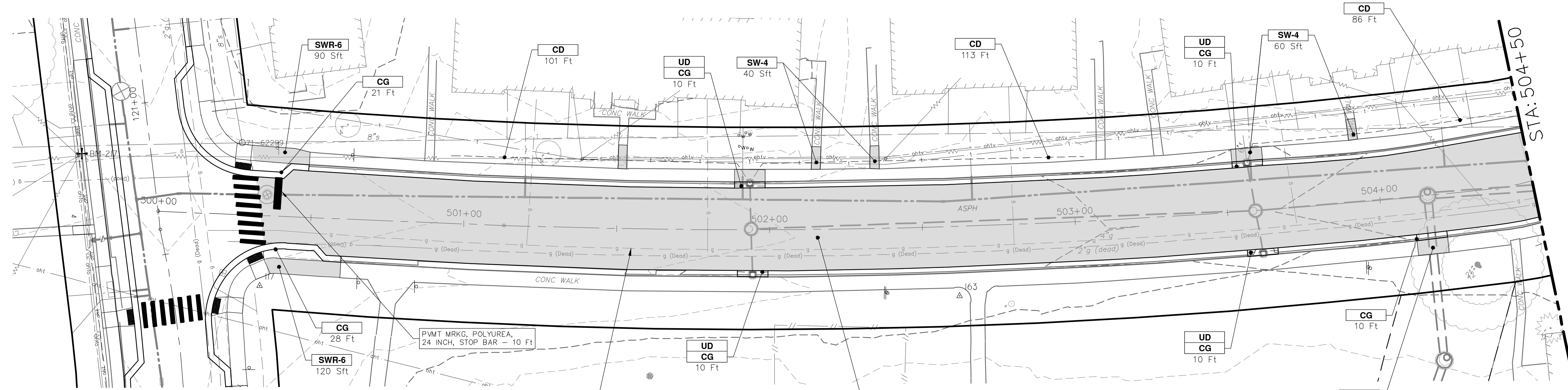


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 PITTSFIELD VILLAGE IMPROVEMENTS
 RICHARD STREET
 REMOVAL PLAN (STA 500+00 TO STA 508+59)

SCALE PLAN: #####
 PROFILE: 1" = 4'
 DRAWING No. 2022-031-99

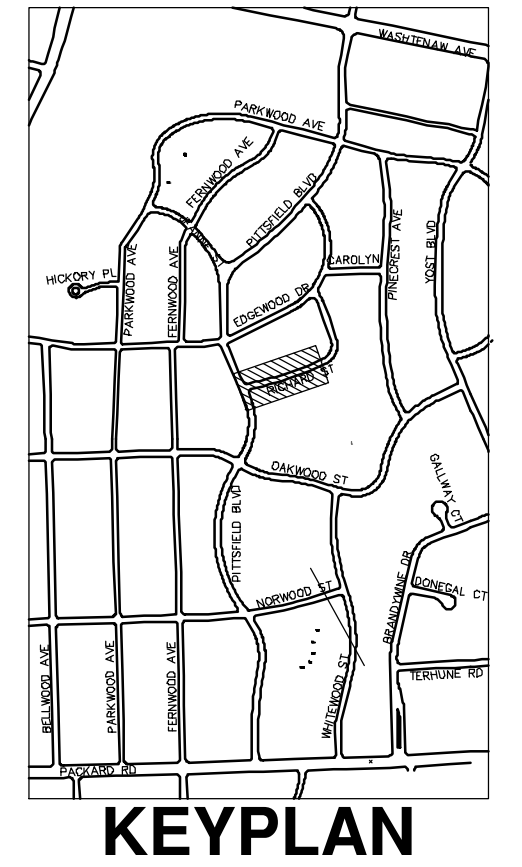
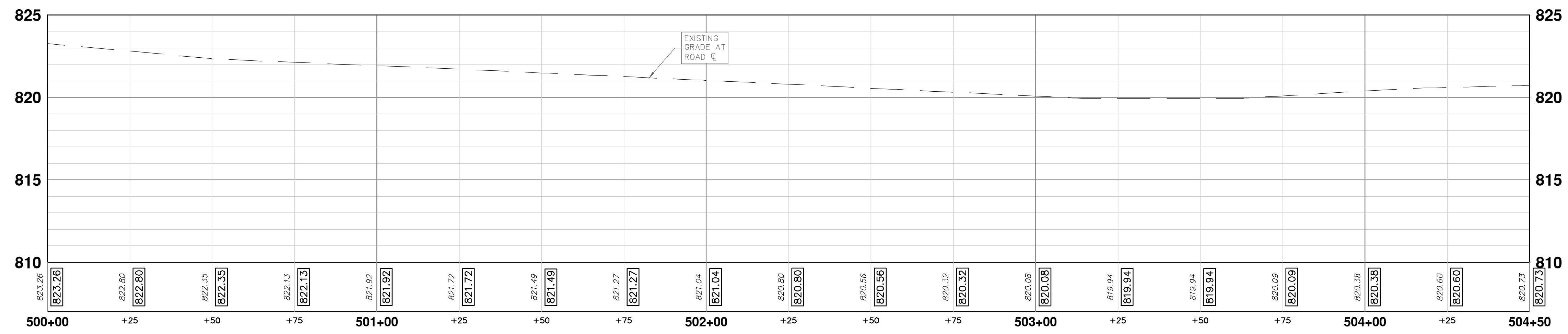
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RICHARD STREET



PITTSFIELD BLVD

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
 RICHARD STREET
 ROAD PLAN (STA 500+00. TO STA 504+50)

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

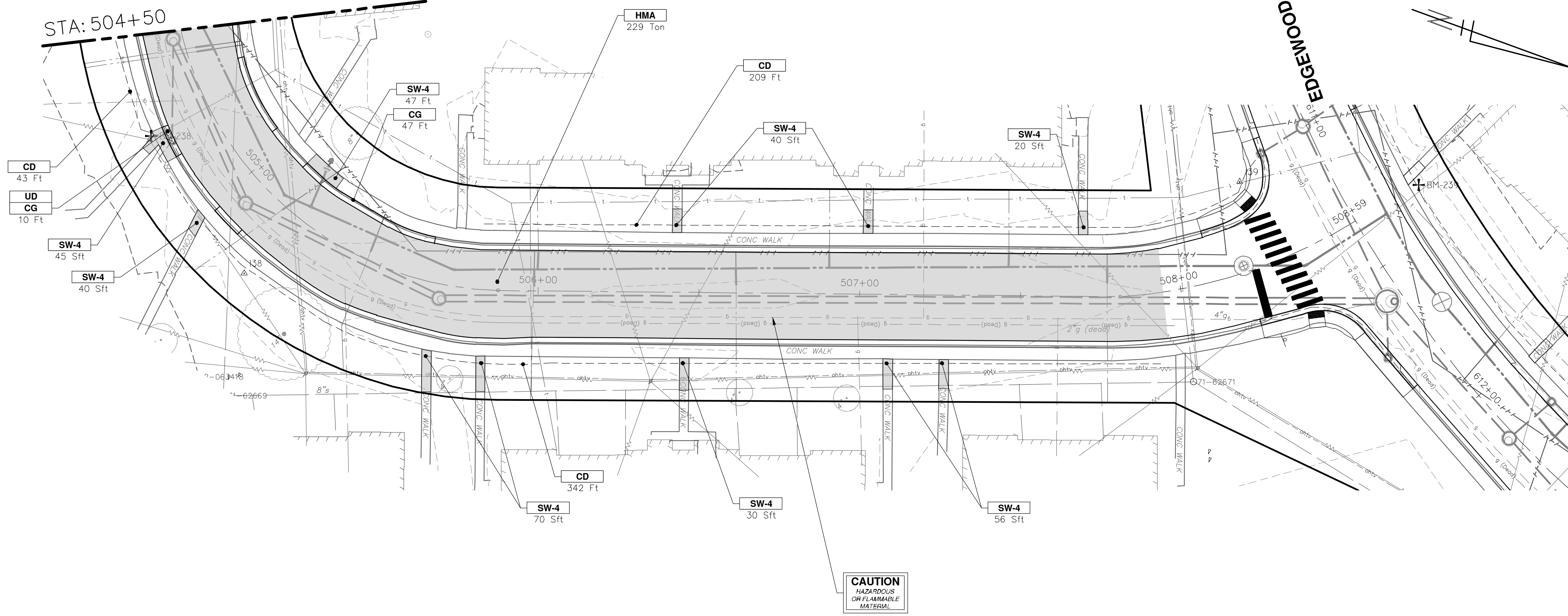
REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE

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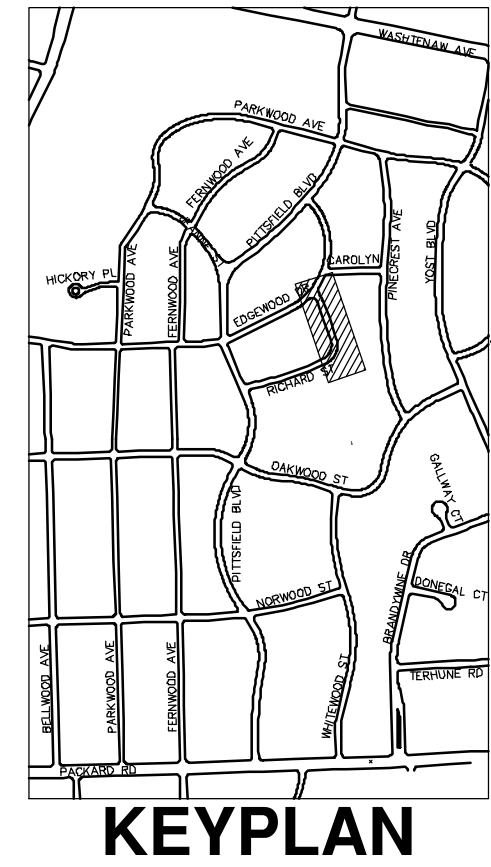
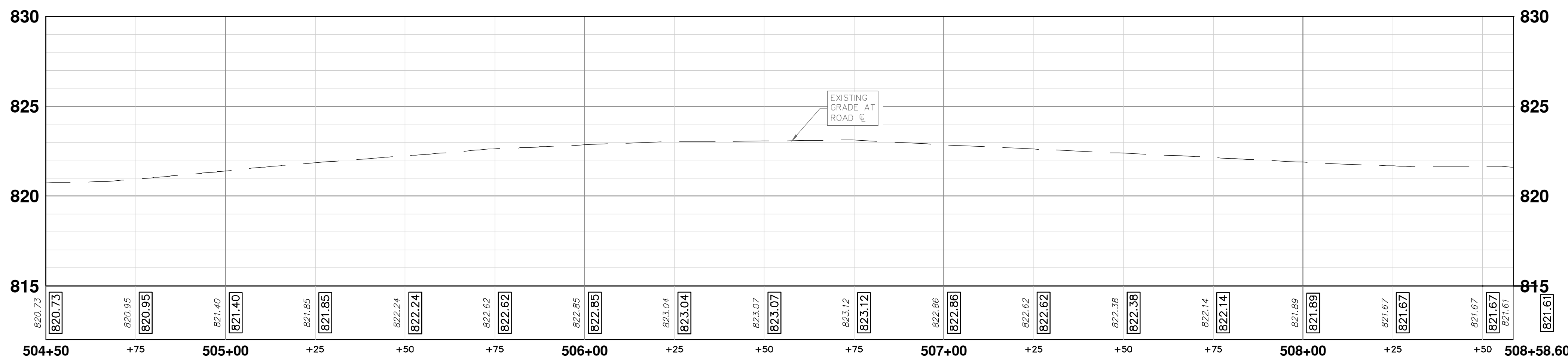
SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'
 DRAWING No. 2022-031-100
 SHEET No. 100 OF 161

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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



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. **2022-031-101**

SHEET No. **101 OF 161**

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

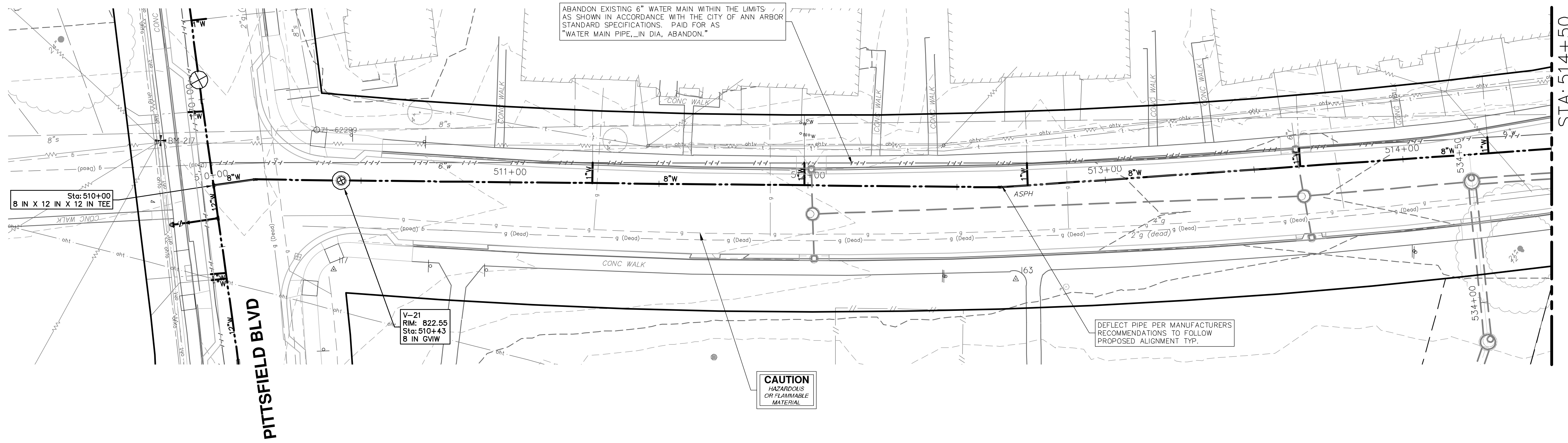
CITY OF ANN ARBOR
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ANN ARBOR MICHIGAN

REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE
	DRAWN			CHECKED

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: 19-Dec-24

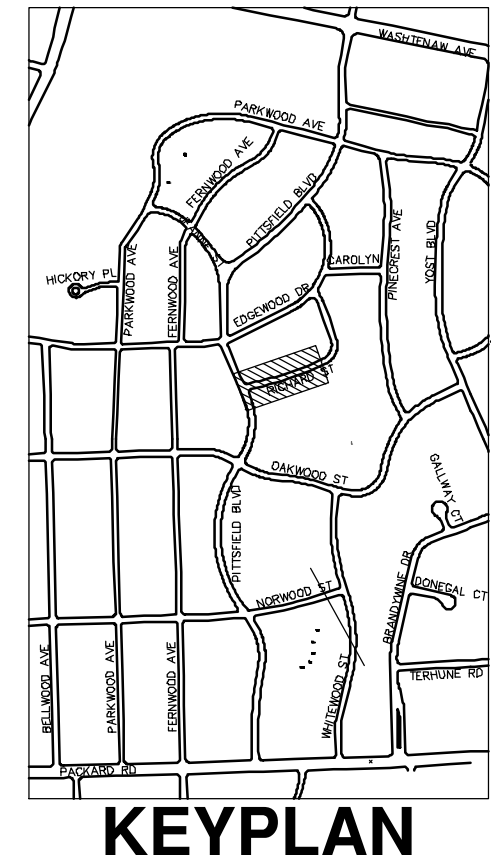
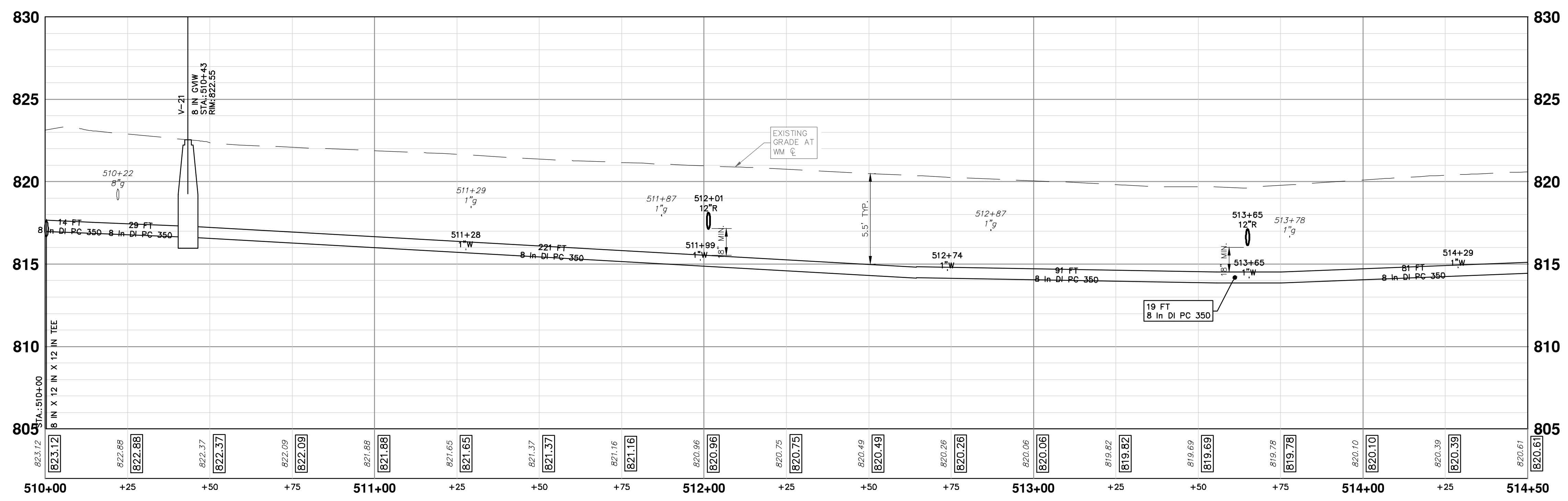
RICHARD STREET



WATER MAIN NOTES:

- 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"
- 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.
- 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 GWV	510+43	822.55	5.91



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00	BID SET	12-19-2024	SM	CE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
 RICHARD STREET
 WATER MAIN PLAN (STA 510+00 TO STA 514+50)

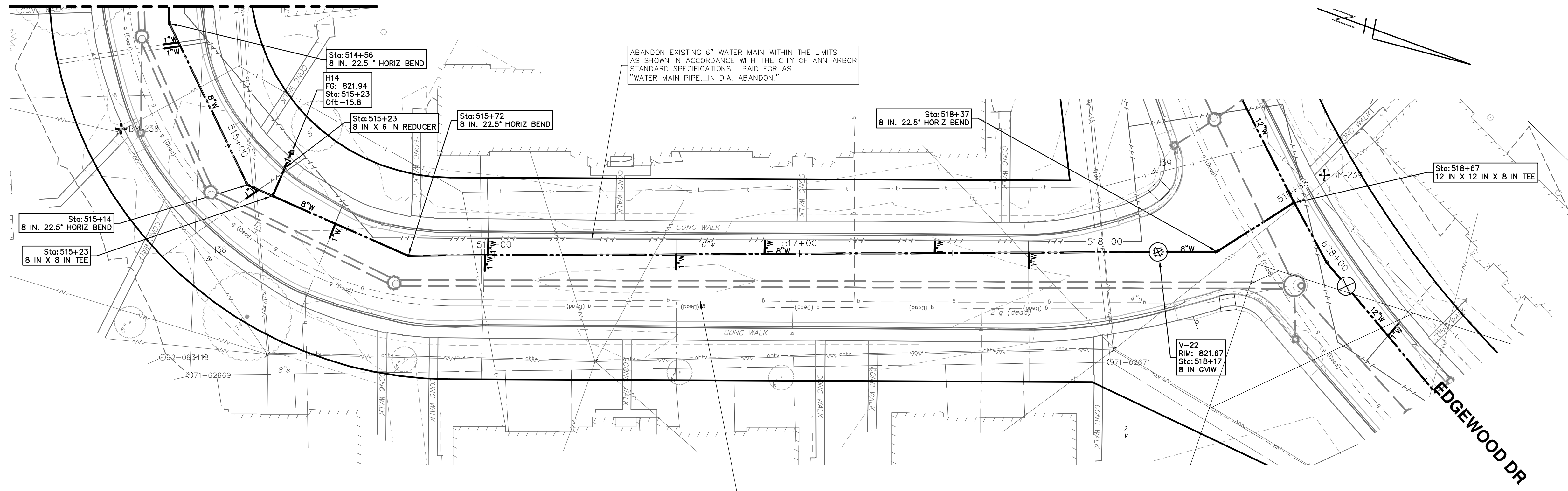
SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'

DRAWING NO:
2022-031-102

SHEET No.
102 OF 161

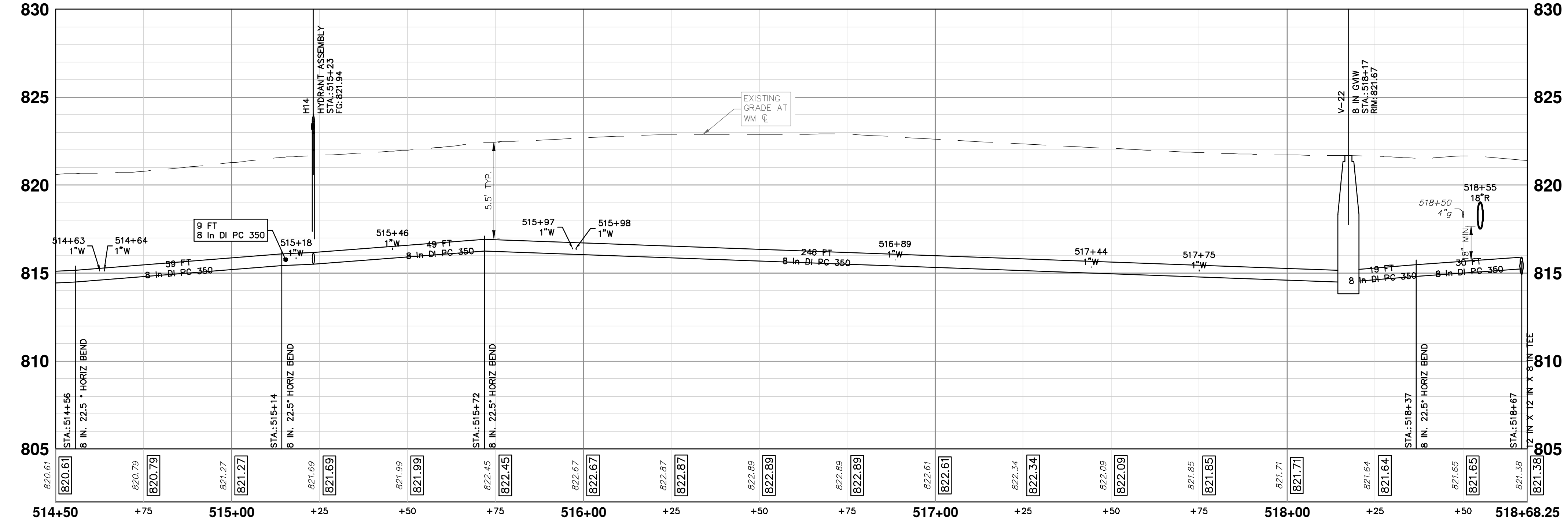
RICHARD STREET

STA: 514+50

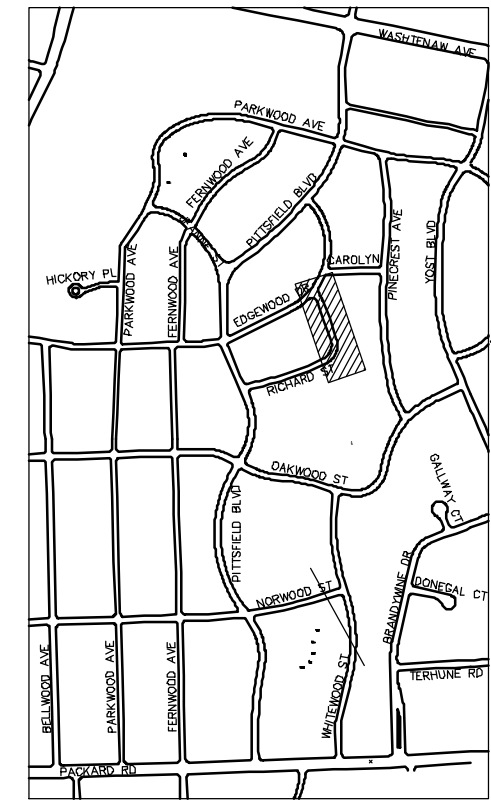


CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL


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



STRUCTURE	TYPE	STATION	RIM	DEPTH
H14	HYDRANT ASSEMBLY	515+23	821.94	6.39
V-22	8 in GVIW	518+17	821.67	7.19




KEYPLAN



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REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE
				CHECKED



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'

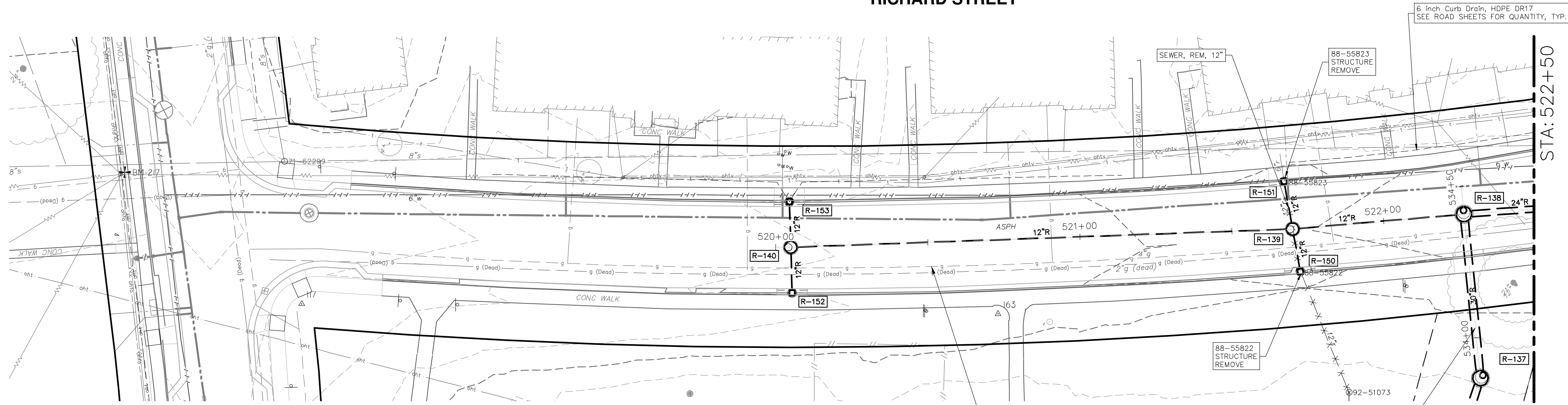
DRAWING No. 2022-031-103

SHEET No. 103 OF 161

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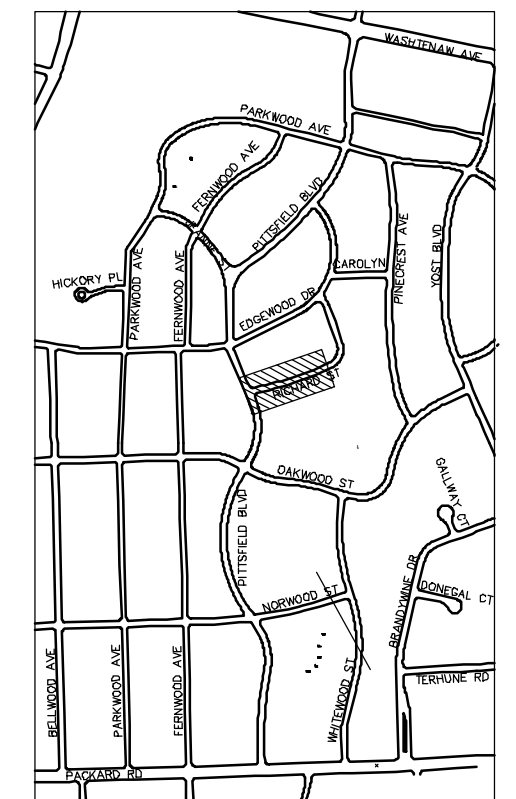
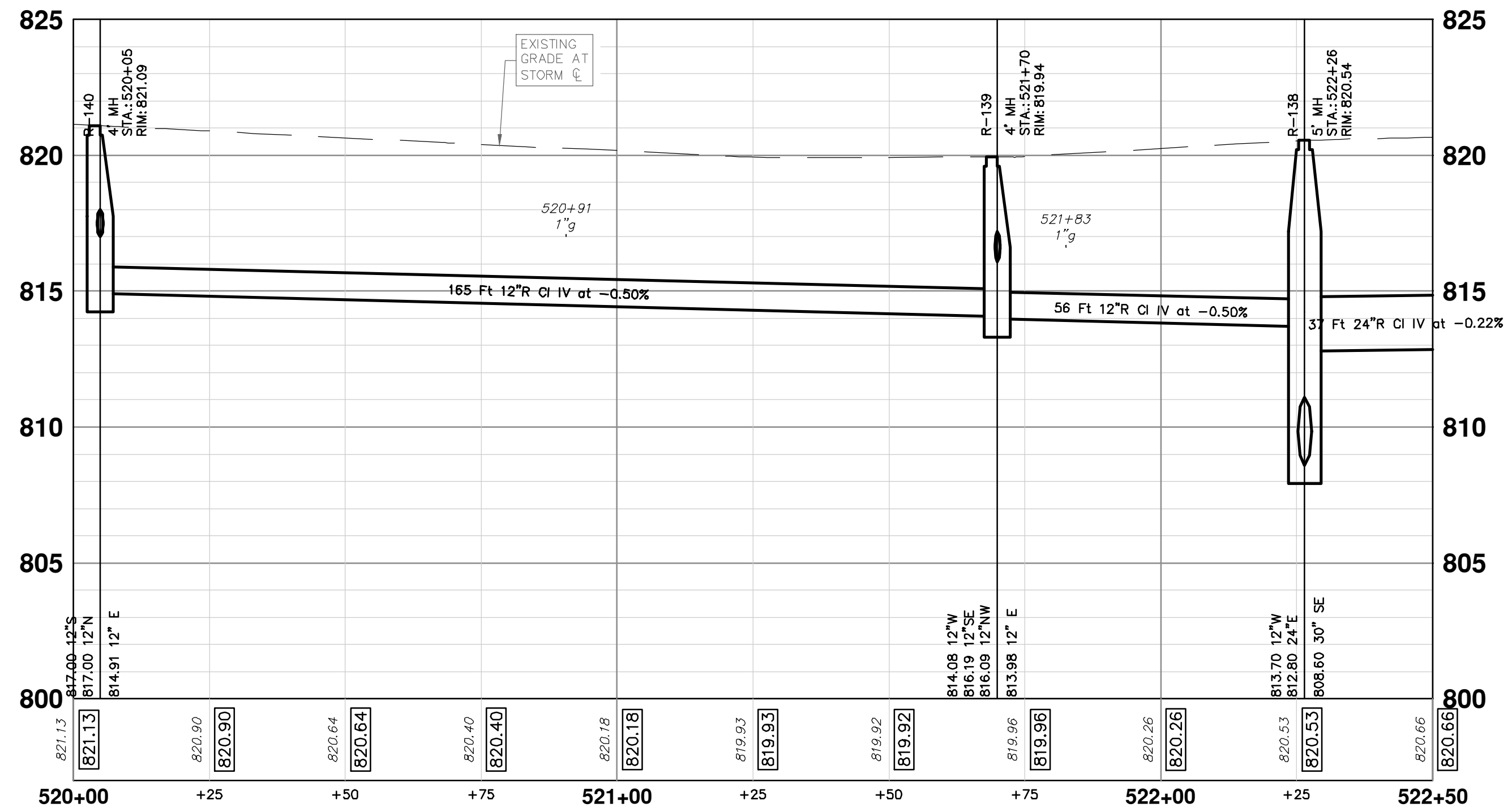
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RICHARD STREET



PITTSFIELD BLVD

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	11.94	0'
R-139	521+70	4' MH	819.94	12" E 813.98 12" W 814.08 12" SE 816.19 12" NW 816.09	5.96	0'
R-140	520+05	4' MH	821.09	12" E 814.91 12" S 817.00 12" N 817.00	6.18	0'
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'



KEYPLAN



REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE

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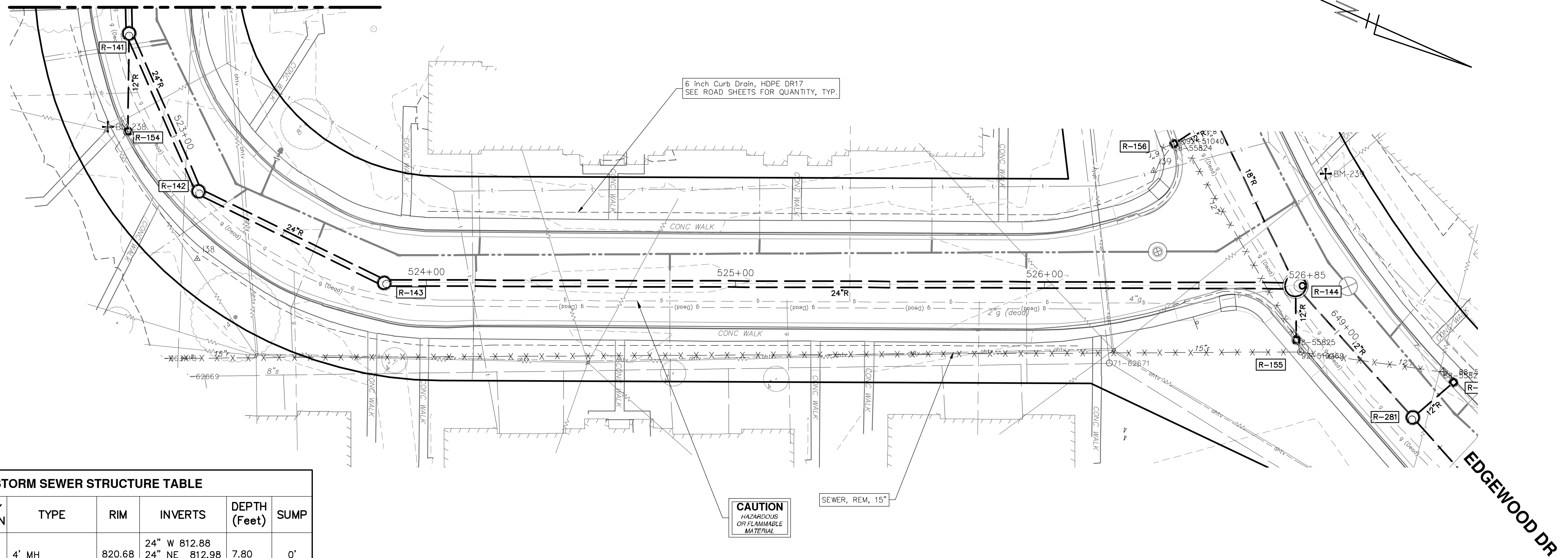
CITY OF ANN ARBOR - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
RICHARD STREET
STORM SEWER PLAN (STA 520+00. TO STA 522+50)

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-104

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050RICHARD_STM.dwg Dwg. Created: 27-Aug-24 - _a2_standard bw.stb - Plot Date: 18-Dec-24

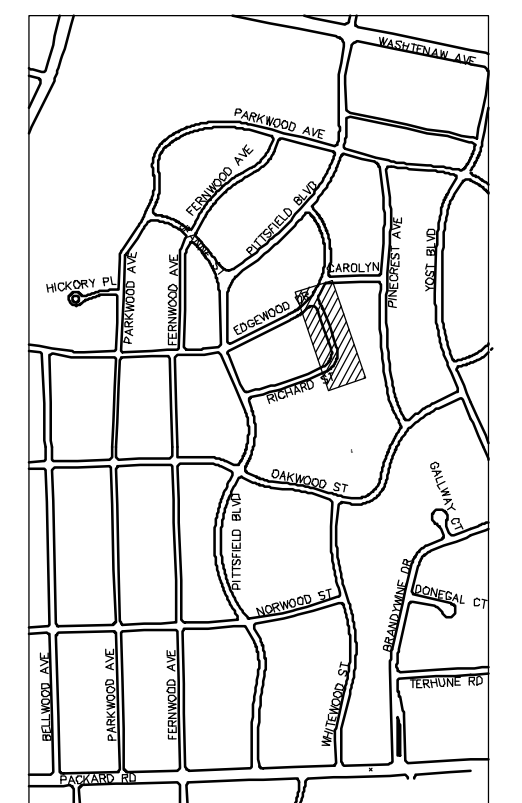
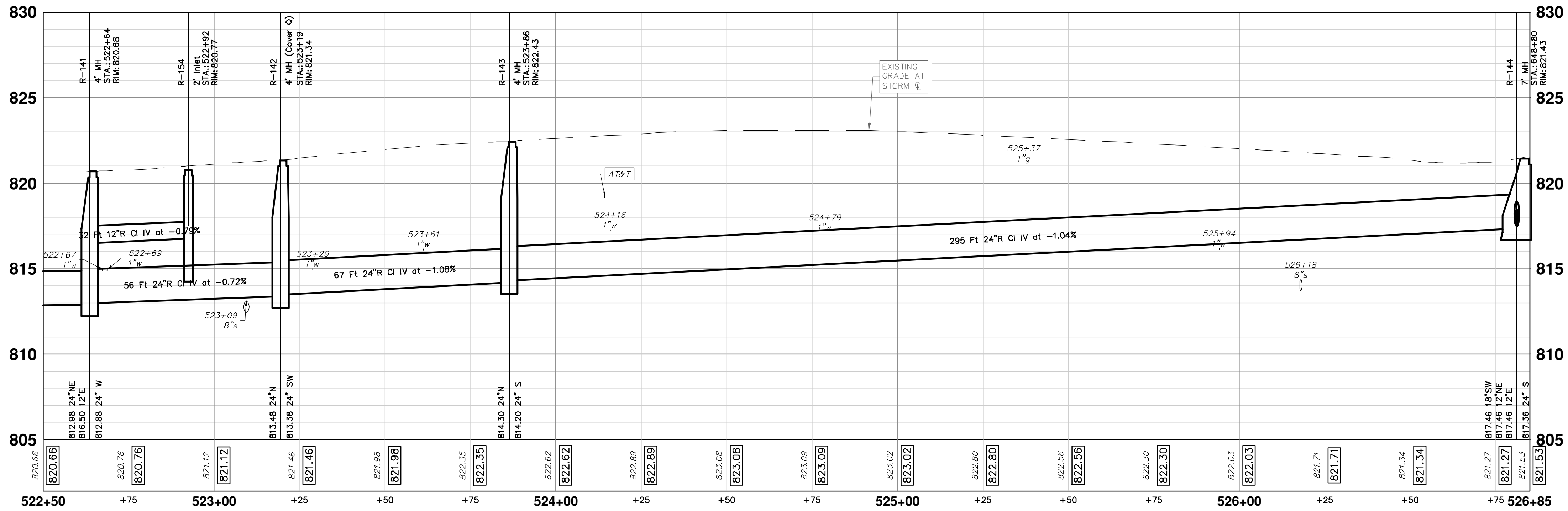
RICHARD STREET

STA: 522+50



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	7.80	0'
R-142	523+19	4' MH (Cover Q)	821.34	24" SW 813.38 24" N 813.48	7.96	0'
R-143	523+86	4' MH	822.43	24" S 814.20 24" N 814.30	8.23	0'
R-144	648+80	7' MH	821.43	24" S 817.36 18" SW 817.46 12" NE 817.46 12" E 817.46	4.07	0'
R-154	522+92	2' Inlet	820.77	12" W 816.75	6.02	2'
R-155	648+93	2' Inlet	821.00	12" W 816.94	6.06	2'



KEYPLAN



REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

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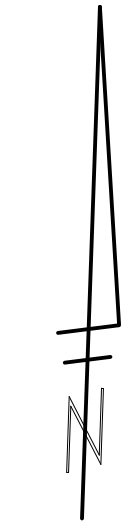
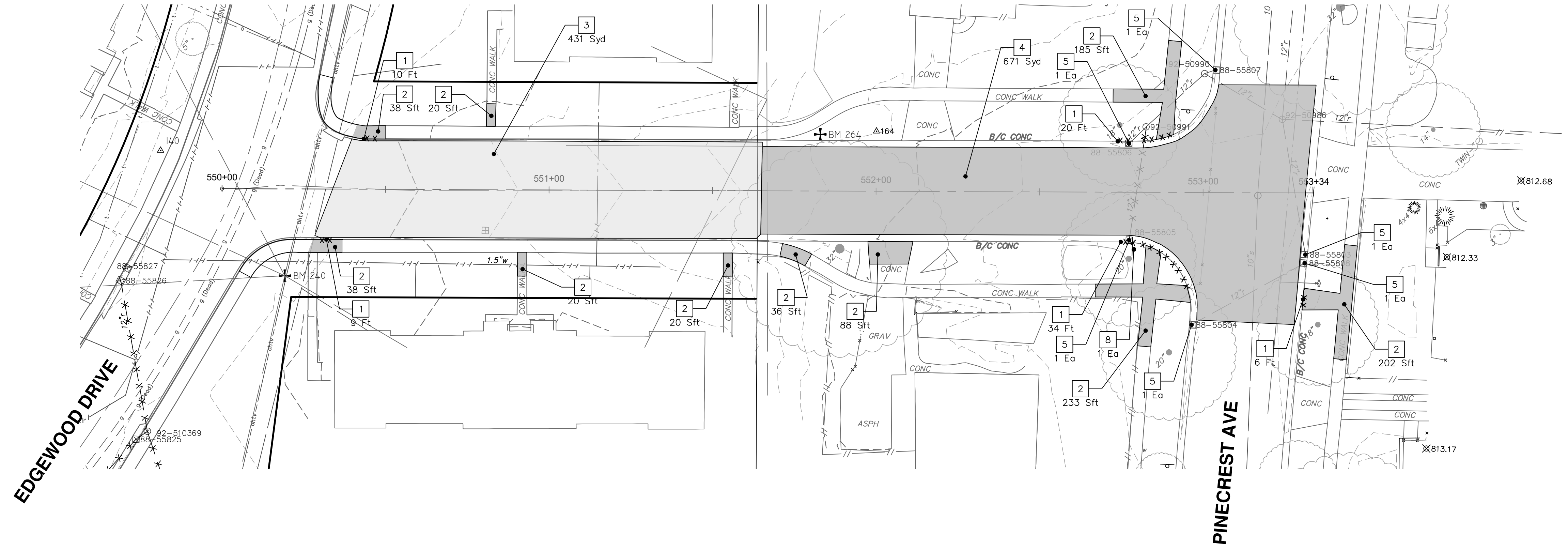


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
RICHARD STREET
STORM SEWER PLAN (STA 522+50 TO STA 526+85)

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No.: 2022-031-105

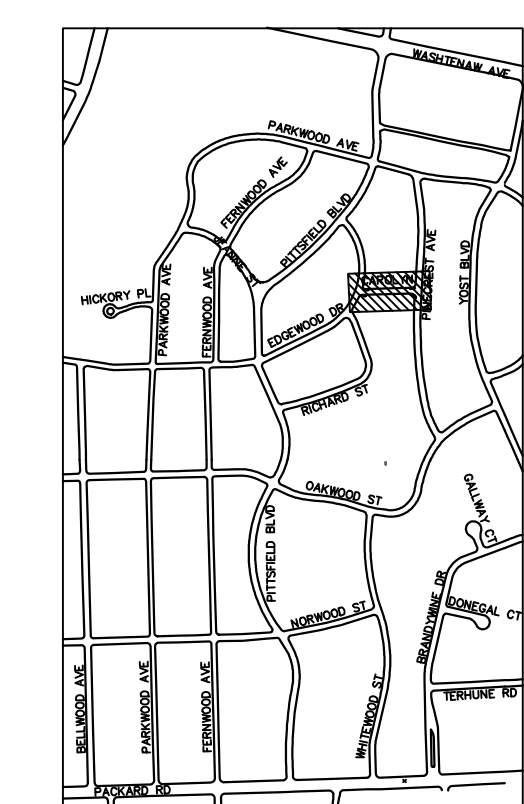
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CAROLYN STREET



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

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. 2022-031-106

SHEET No. 106 OF 161



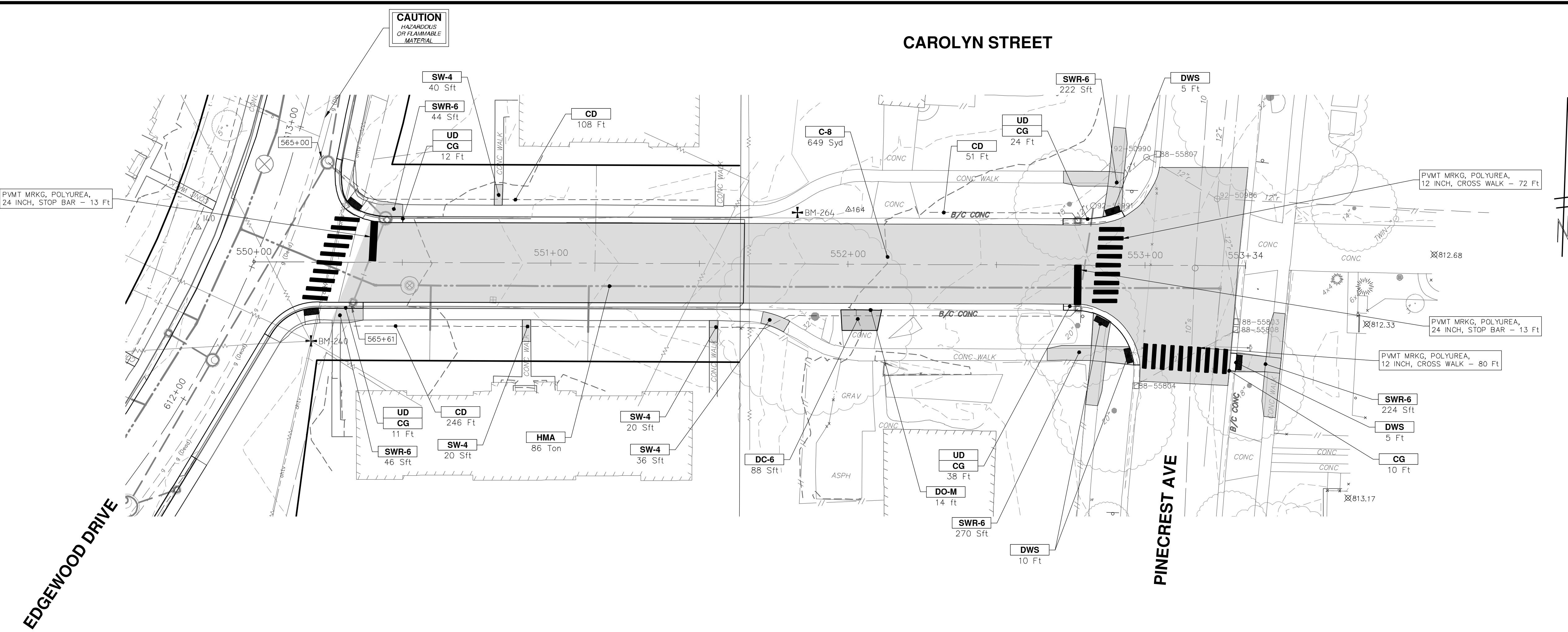
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PUBLIC SERVICES
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ANN ARBOR, MI 48106-8647
ANN ARBOR 734.794.4110
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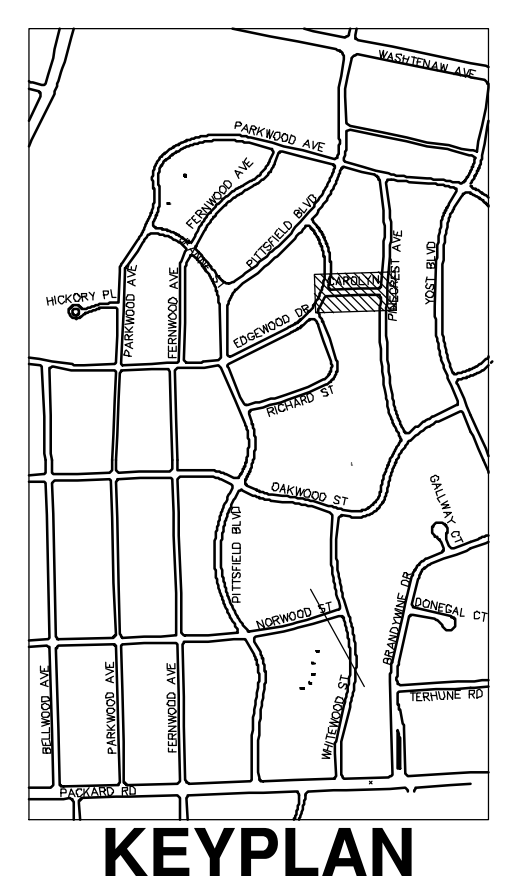
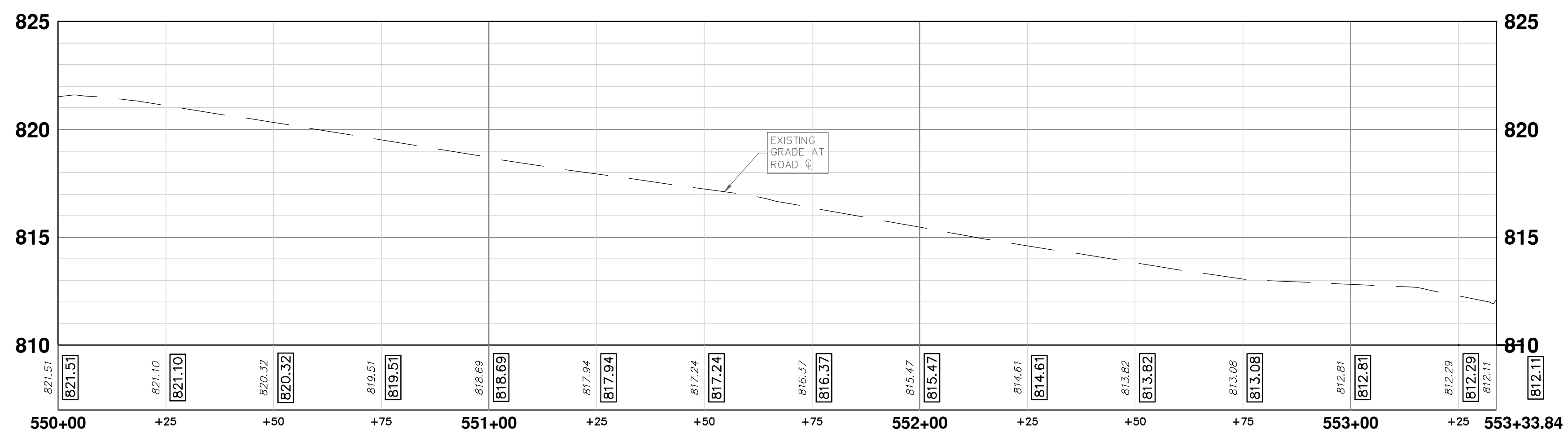



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CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, 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





Know what's below.
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PITTSFIELD VILLAGE IMPROVEMENTS
 CAROLYN STREET
 ROAD PLAN (STA 550+00 TO STA 553+34)

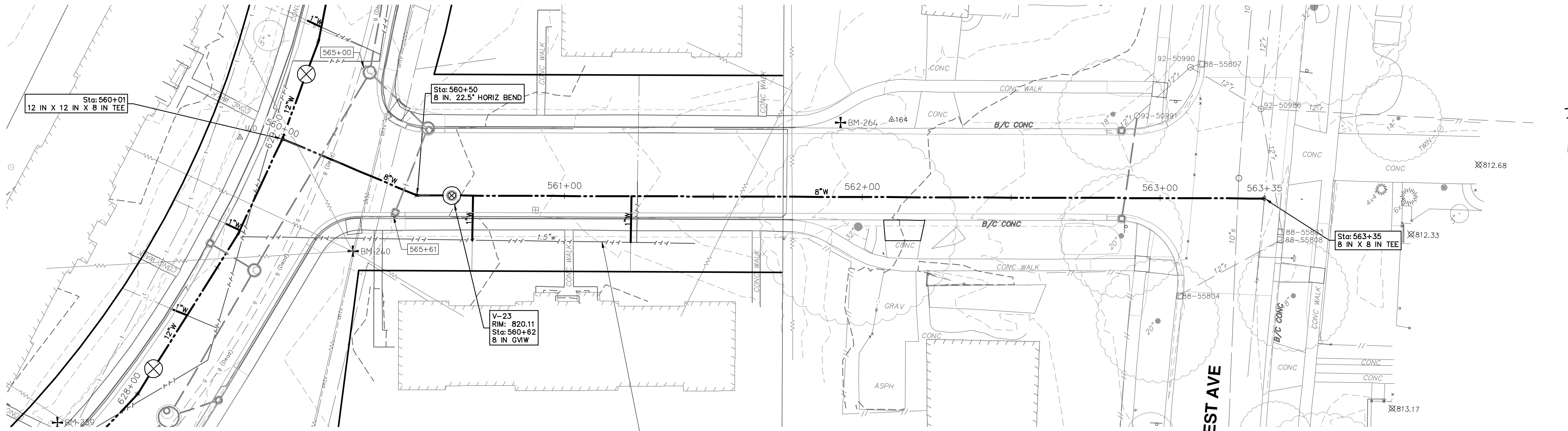
SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'

DRAWING No. **2022-031-107**

SHEET No. **107 OF 161**

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CAROLYN STREET

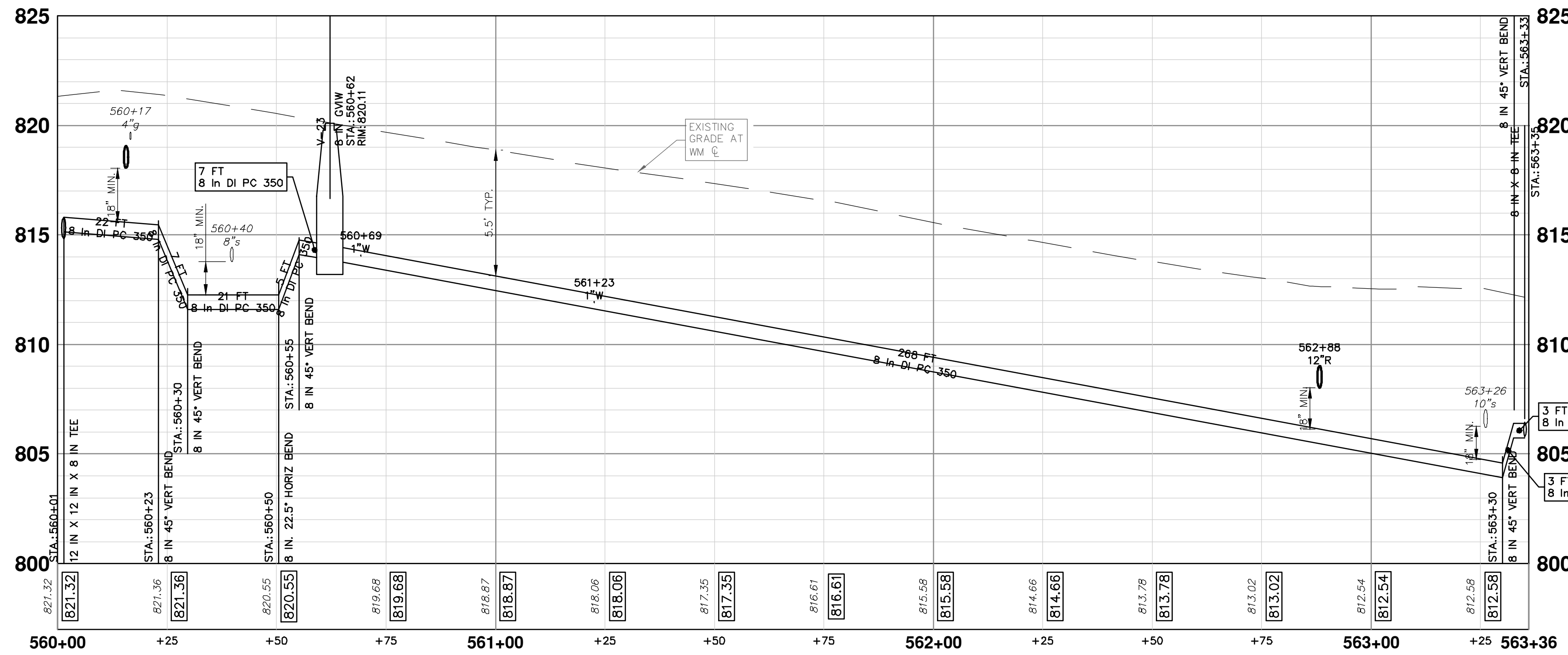


ABANDON EXISTING 1.5" WATER MAIN WITHIN THE LIMITS AS SHOWN IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS. PAID FOR AS "WATER MAIN PIPE, "IN. DIA, ABANDON"

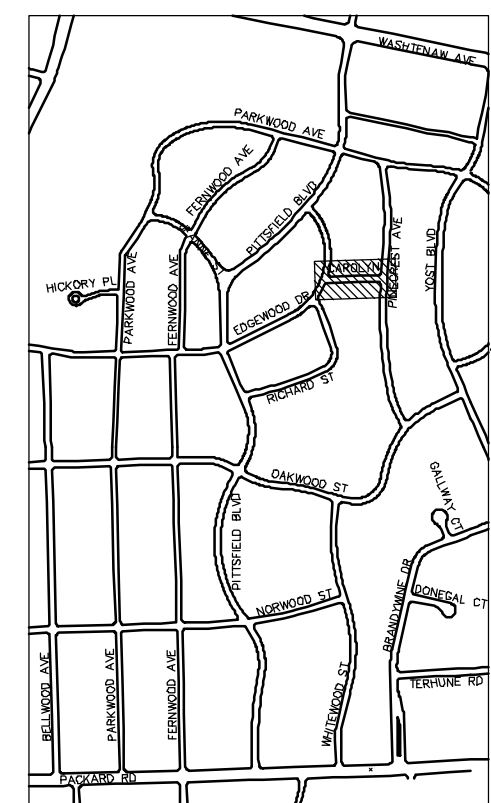
- WATER MAIN NOTES:**
- WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL 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"
 - 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.
 - THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

EDGEWOOD DRIVE

PINECREST AVE



WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V-23	8 in GWIW	560+62	820.11	6.24



KEYPLAN

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. 2022-031-108

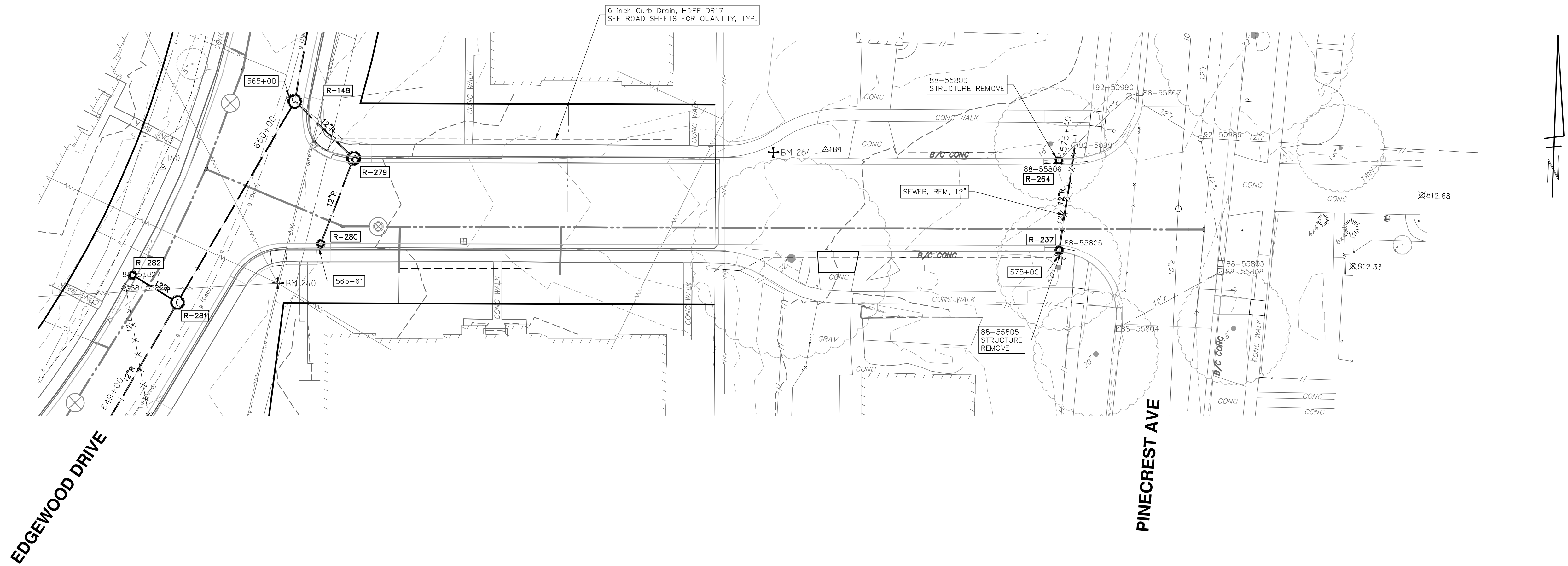
SHEET No. 108 OF 161

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00	12-19-2024	BID SET
01		DRAWN
02		CHECKED

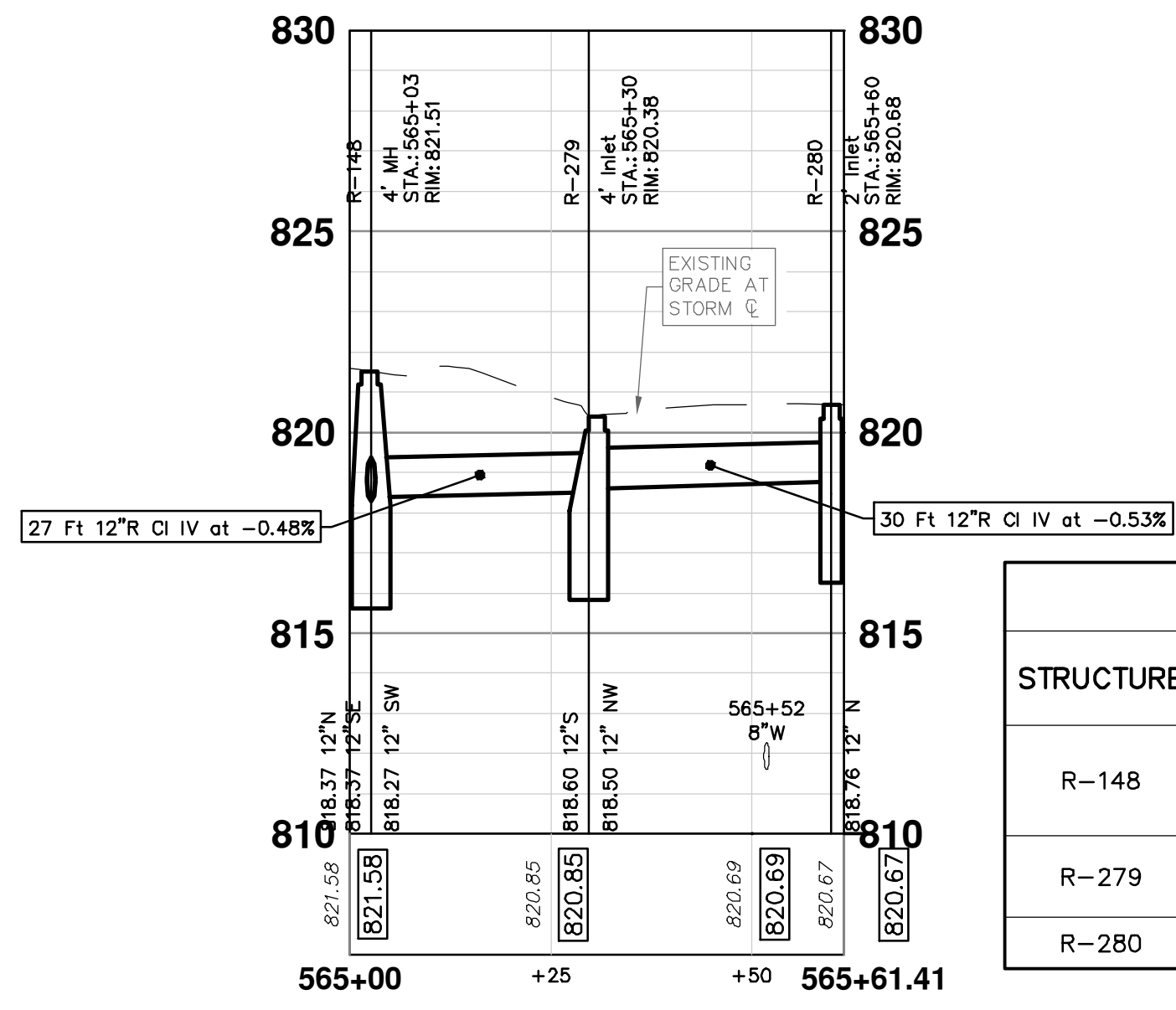
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CAROLYN STREET

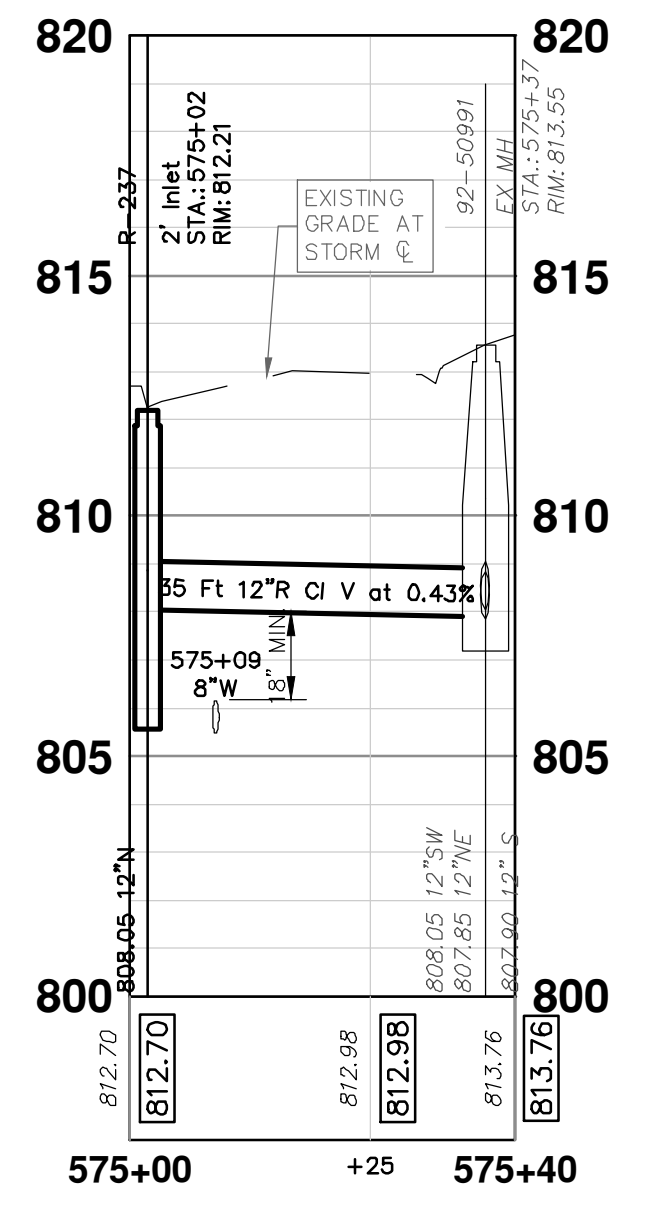


EDGEWOOD DRIVE

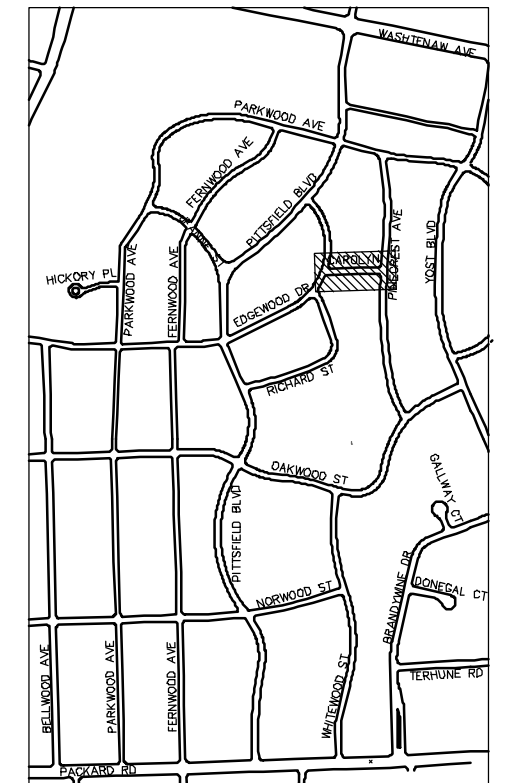
PINECREST AVE



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-148	565+03	4' MH	821.51	12" SW 818.27 12" N 818.37 12" SE 818.37	5.24	2'
R-279	565+30	4' Inlet	820.38	12" NW 818.50 12" S 818.60	3.88	2'
R-280	565+60	2' Inlet	820.68	12" N 818.76	3.92	2'



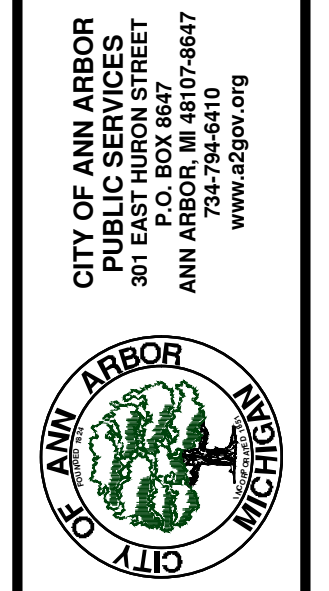
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-50991	575+37	EX MH	813.55	12" S 807.90 12" SW 808.05 12" NE 807.85	5.70	0'
R-237	575+02	2' Inlet	812.21	12" N 808.05	6.16	2'
R-264	575+31	2' Inlet	812.68	12" NE 808.28	6.40	2'



KEYPLAN

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. 2022-031-109
 SHEET No. 109 OF 161

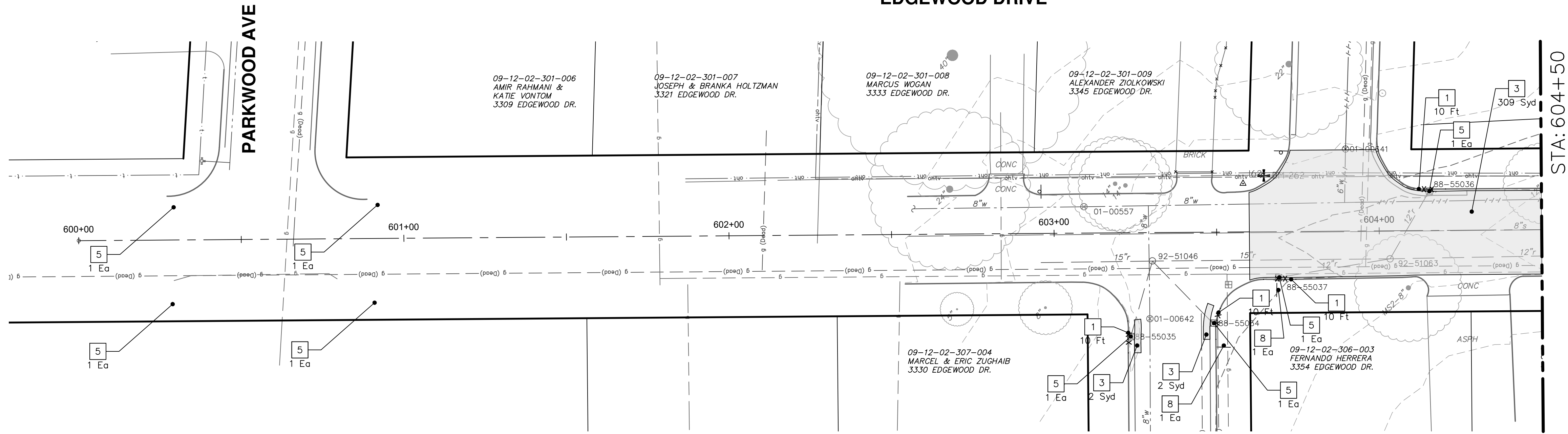


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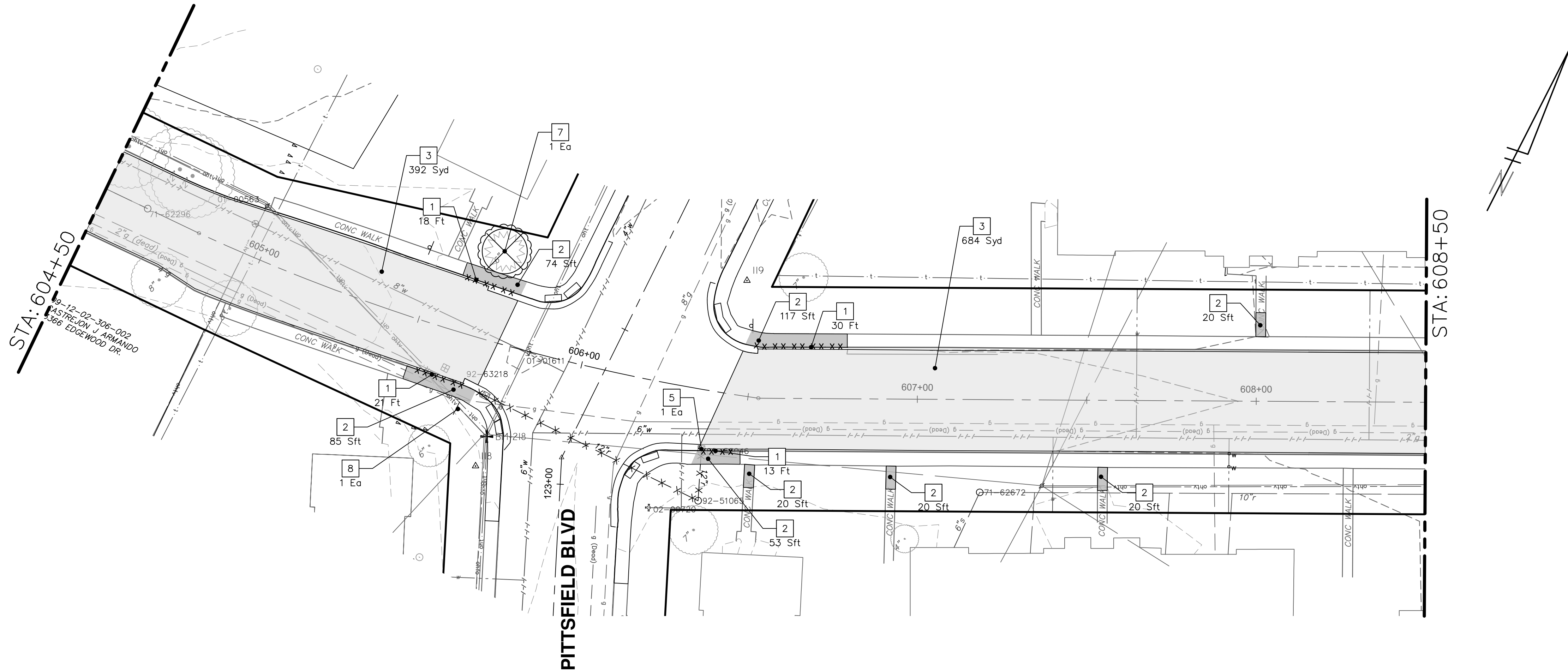
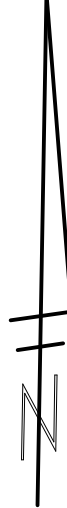
REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			



EDGEWOOD DRIVE



STA: 604+50

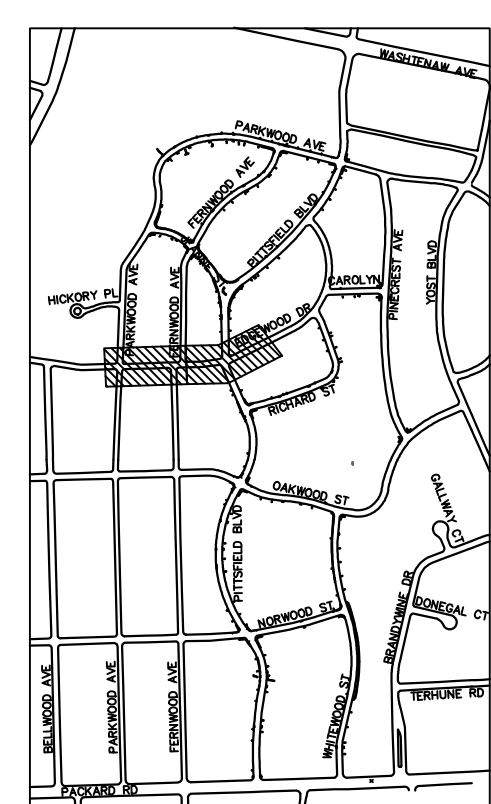


STA: 608+50

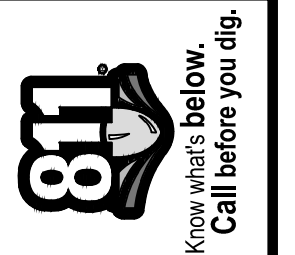
REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER - ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	SILT FENCE
7	REMOVE EXISTING TREE - SIZE VARIES
8	REMOVE AND SALVAGE SIGN

* 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).

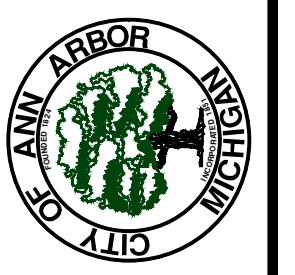


KEYPLAN



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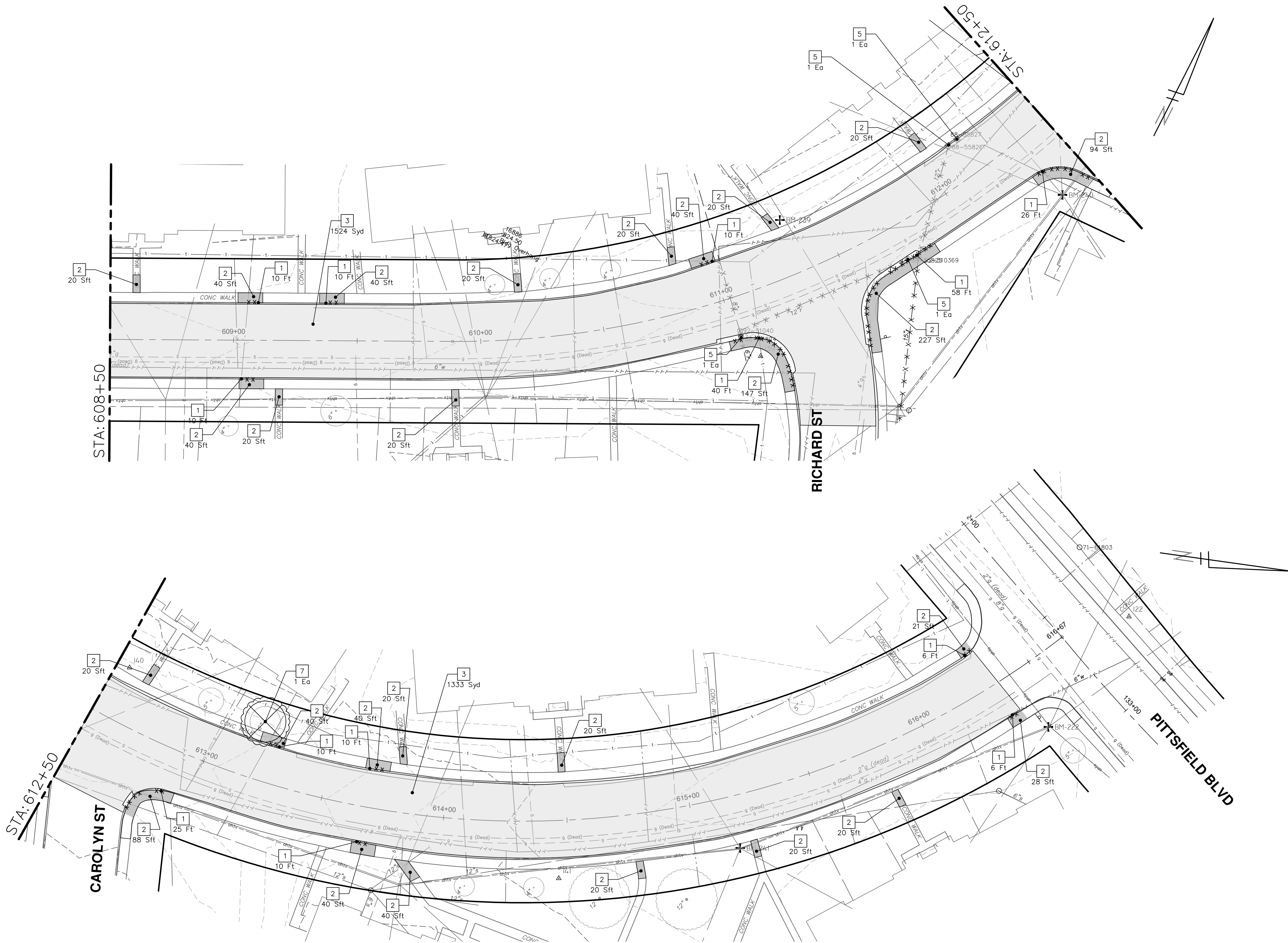


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 PITTSFIELD VILLAGE IMPROVEMENTS
 EDGEWOOD DRIVE
 REMOVAL PLAN (STA 600+00 TO STA 608+50)

SCALE PLAN: 1" = 20'
 DRAWING No. 2022-031-110

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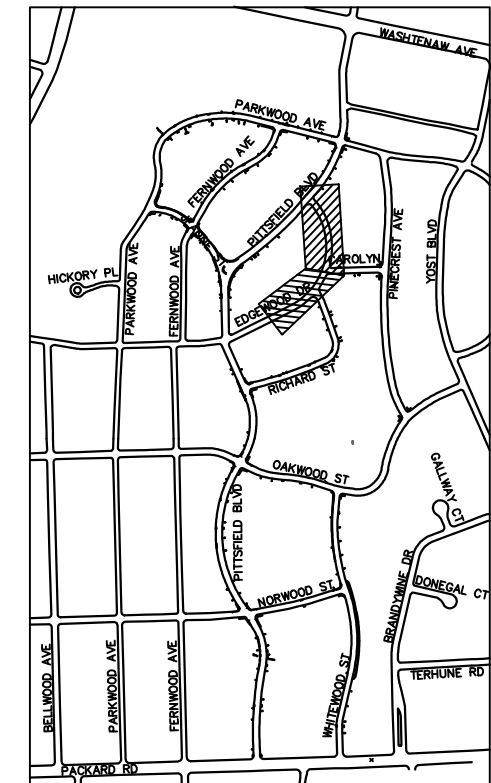
EDGEWOOD DRIVE



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

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. 2022-031-111

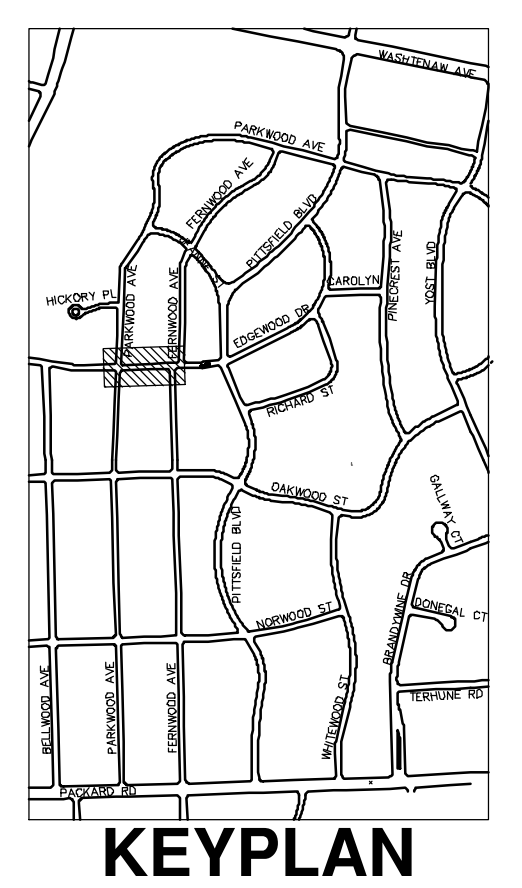
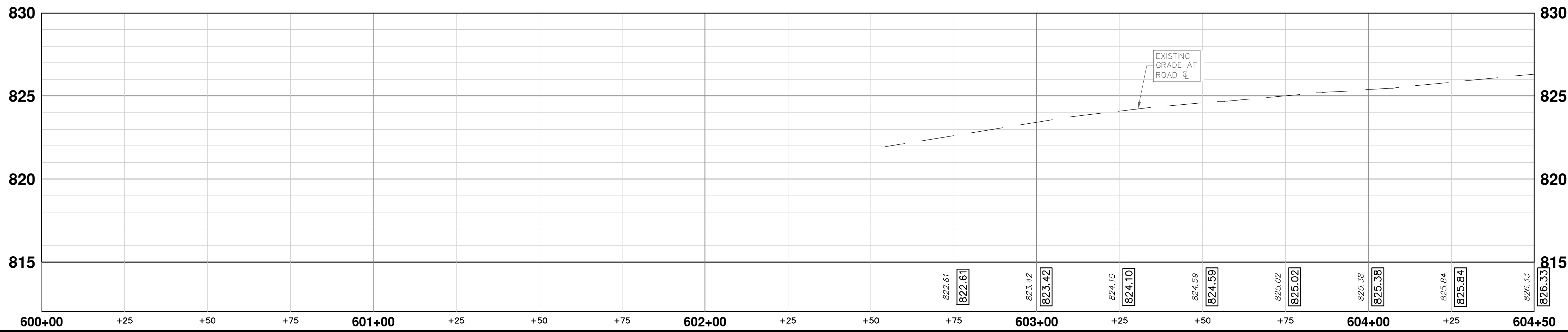
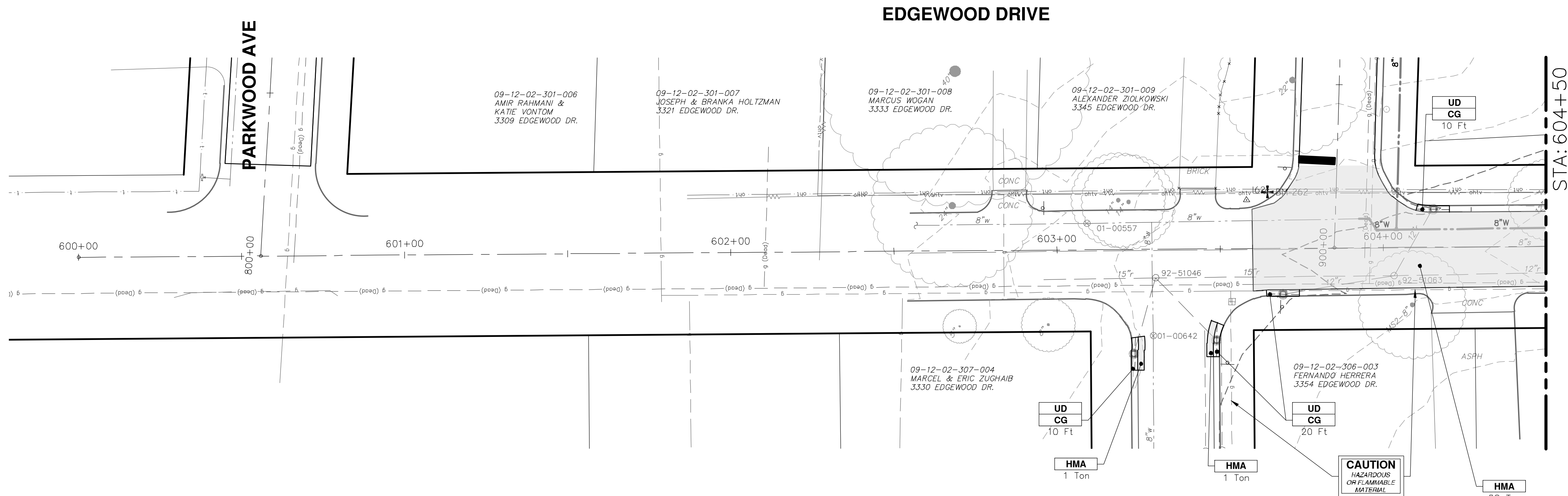
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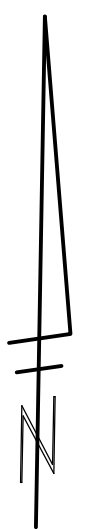
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CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, 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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PITTSFIELD VILLAGE IMPROVEMENTS
EDGEWOOD DRIVE

ROAD PLAN (STA 600+00 TO STA 604+50)

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

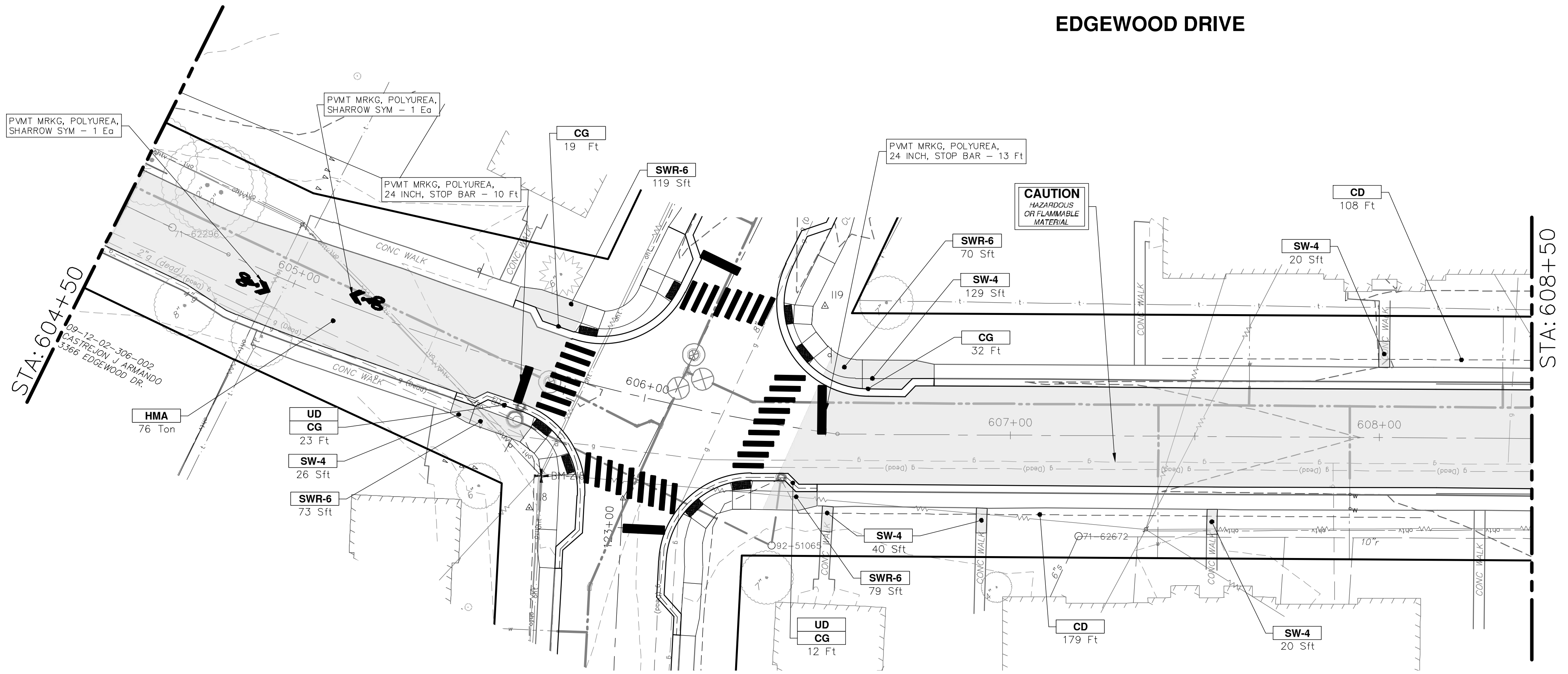
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SHEET No. 112 OF 161

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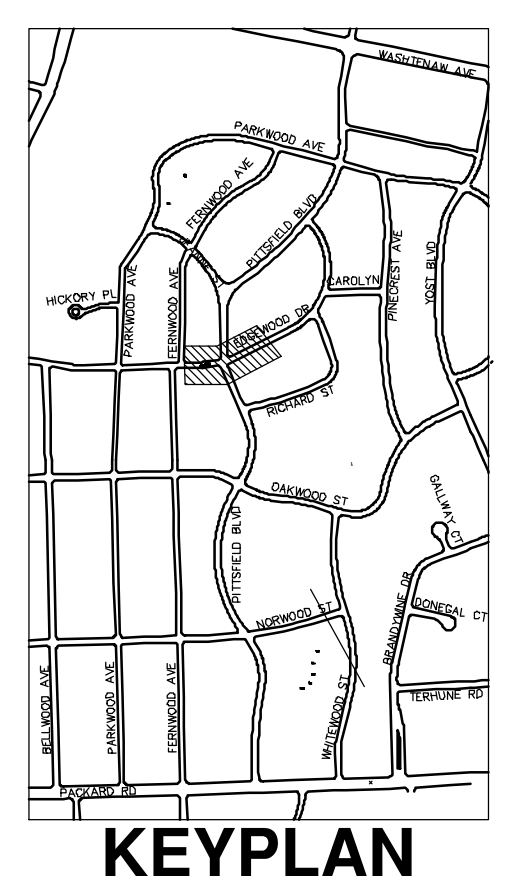
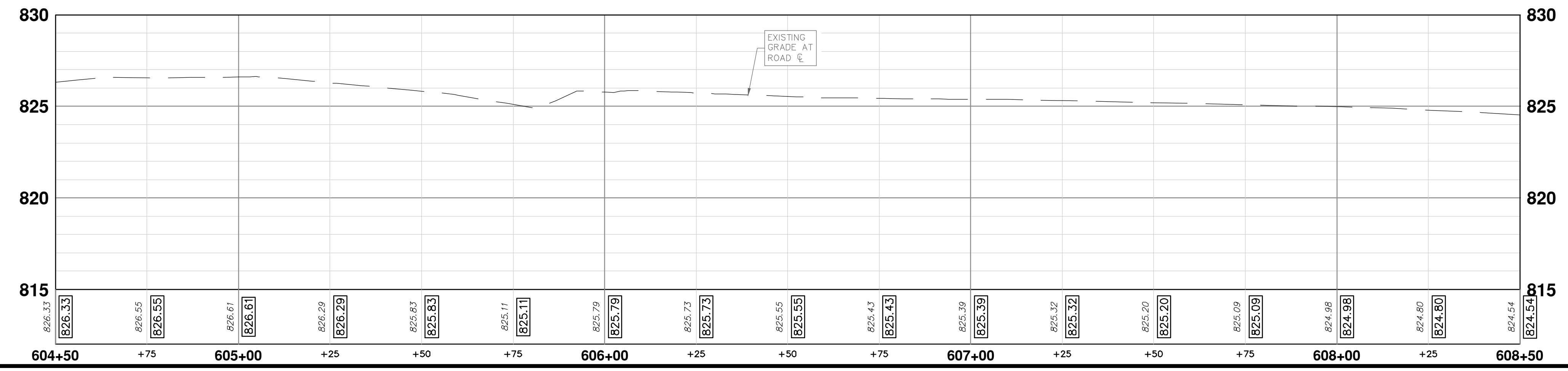
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EDGEWOOD DRIVE



PITTSFIELD BLVD

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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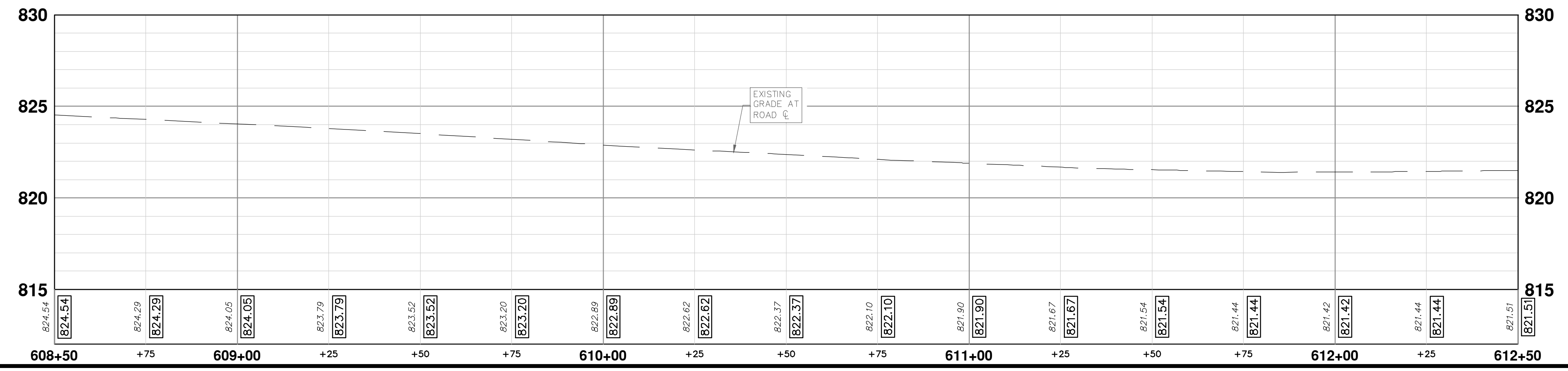
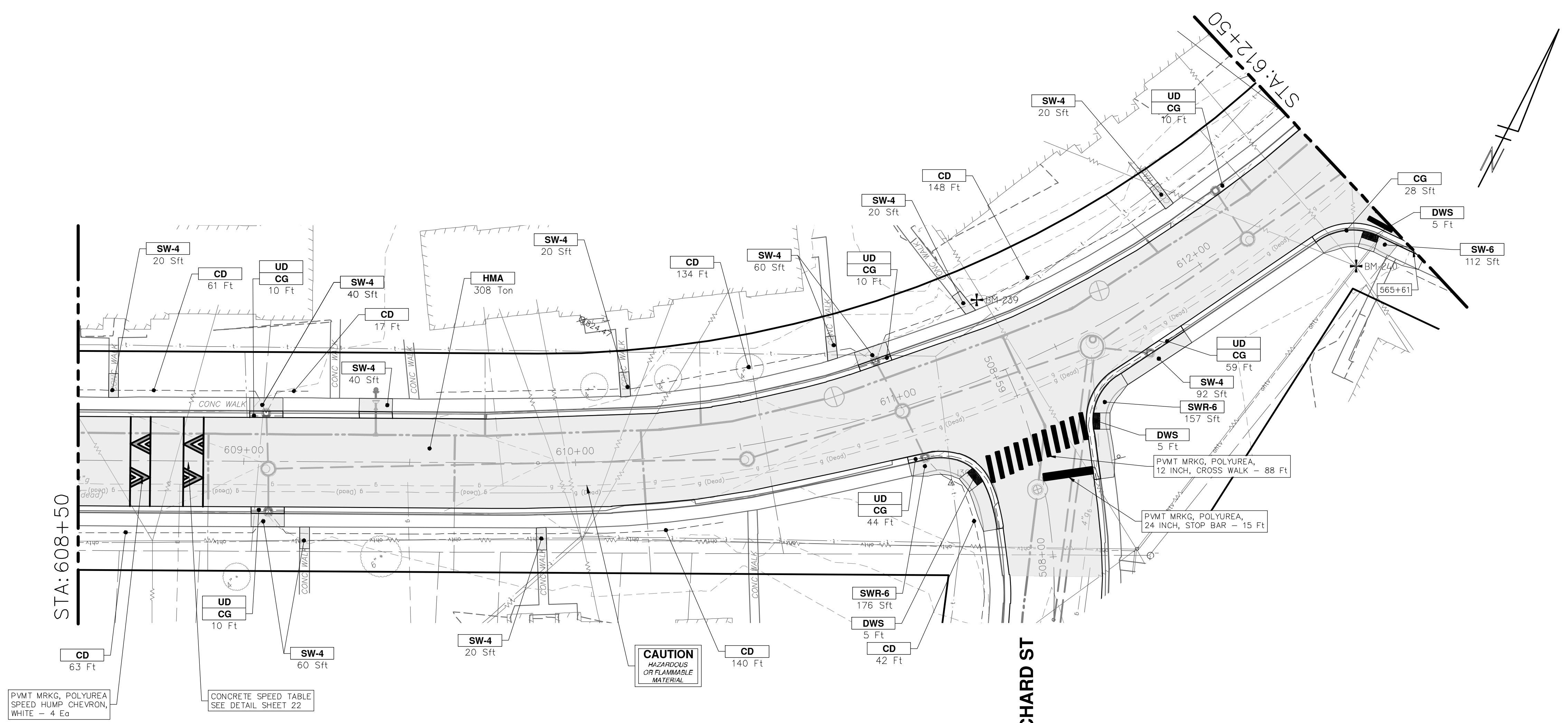
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
 EDGEWOOD DRIVE
 ROAD PLAN (STA 604+50 TO STA 608+50)

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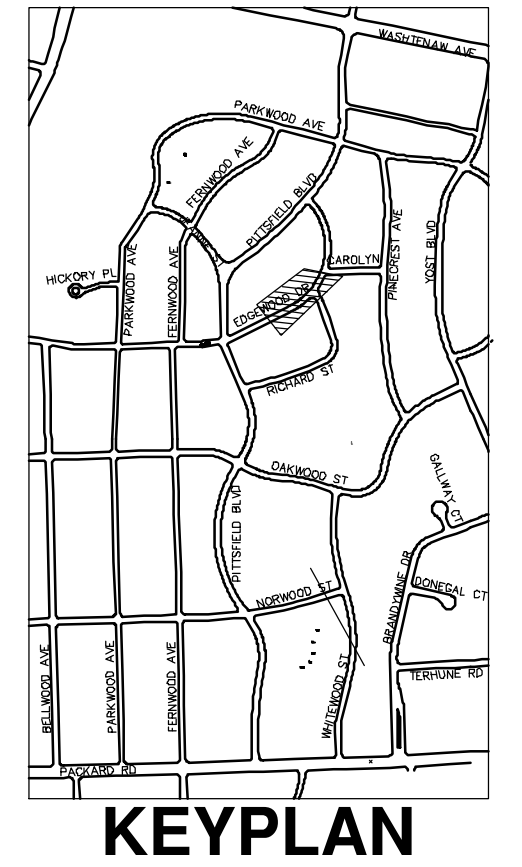
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 SCALE 1" = 20'
 PROFILE 1" = 4'
 DRAWING No. **2022-031-113**
 SHEET No. **113 OF 161**

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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
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DSC	STRUCTURE COVER
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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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PITTSFIELD VILLAGE IMPROVEMENTS
EDGEWOOD DRIVE
ROAD PLAN (STA 608+50 TO STA 612+50)

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

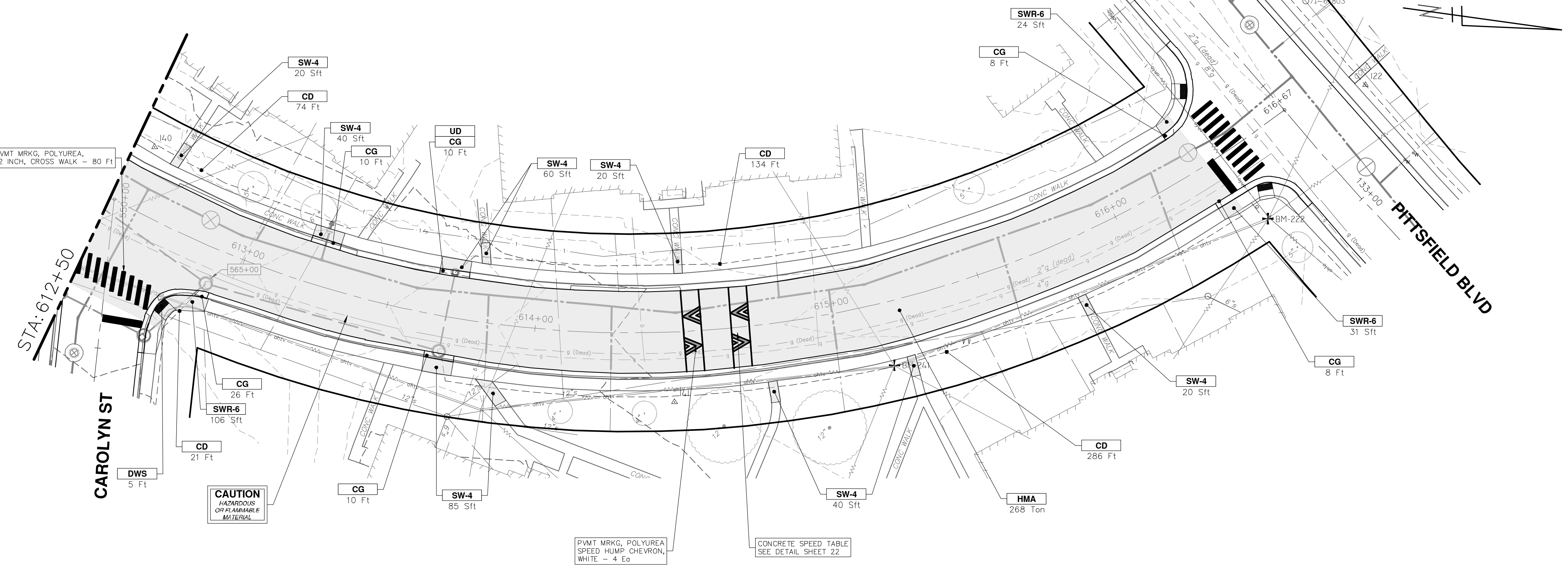
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2022-031-114

SHEET No.
114 OF 161

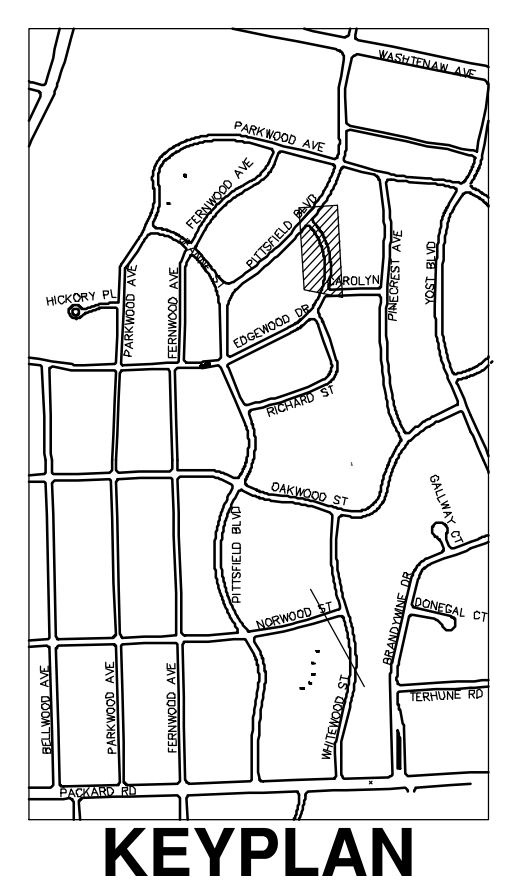
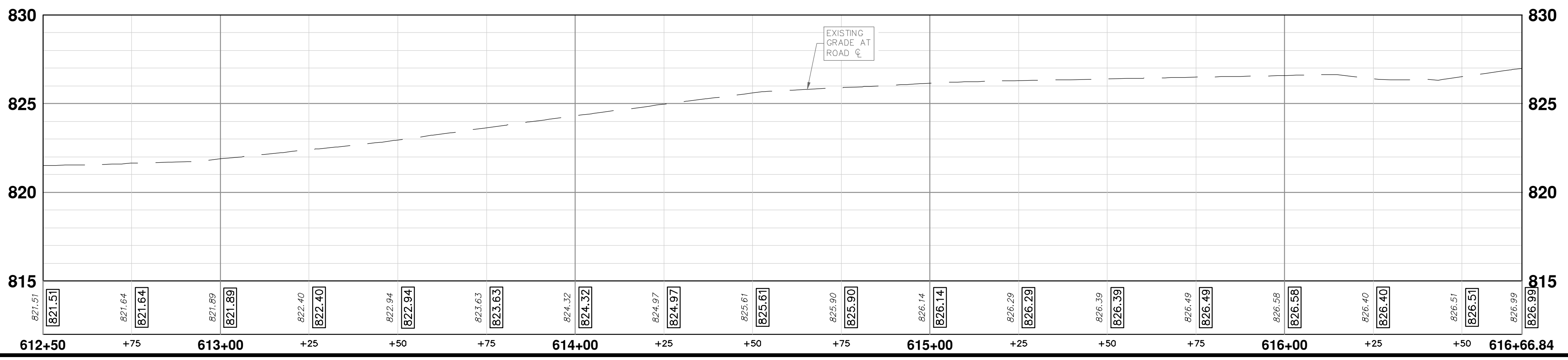
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EDGEWOOD DRIVE



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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PITTSFIELD VILLAGE IMPROVEMENTS
 EDGEWOOD DRIVE
 ROAD PLAN (STA 612+50 TO STA 616+67)

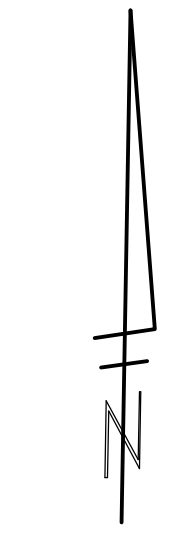
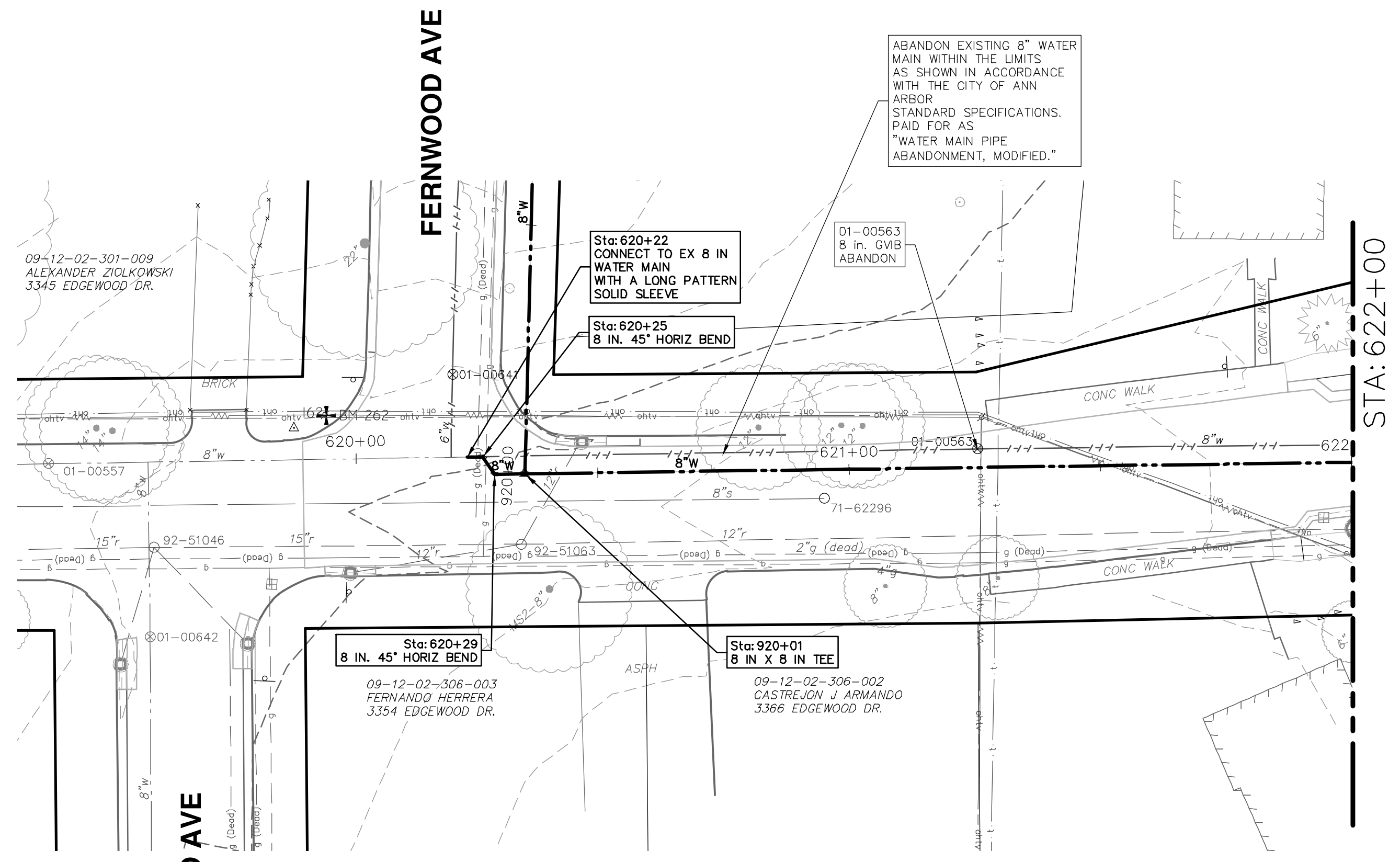
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'

DRAWING No. **2022-031-115**
 SHEET No. **115 OF 161**

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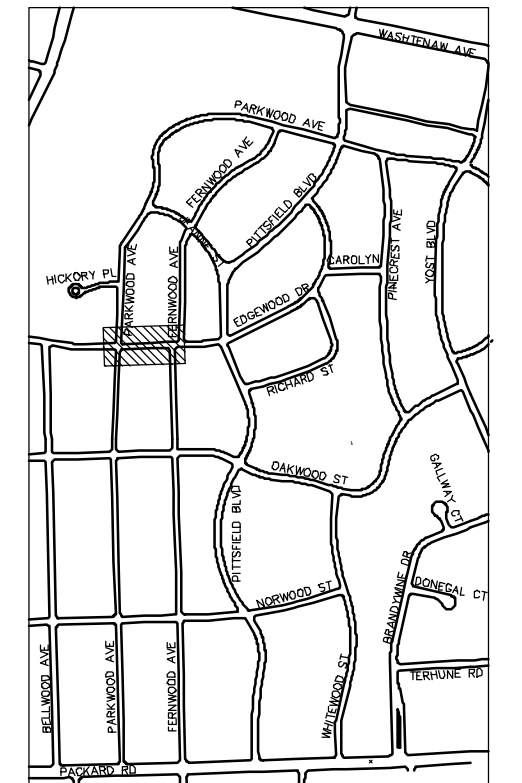
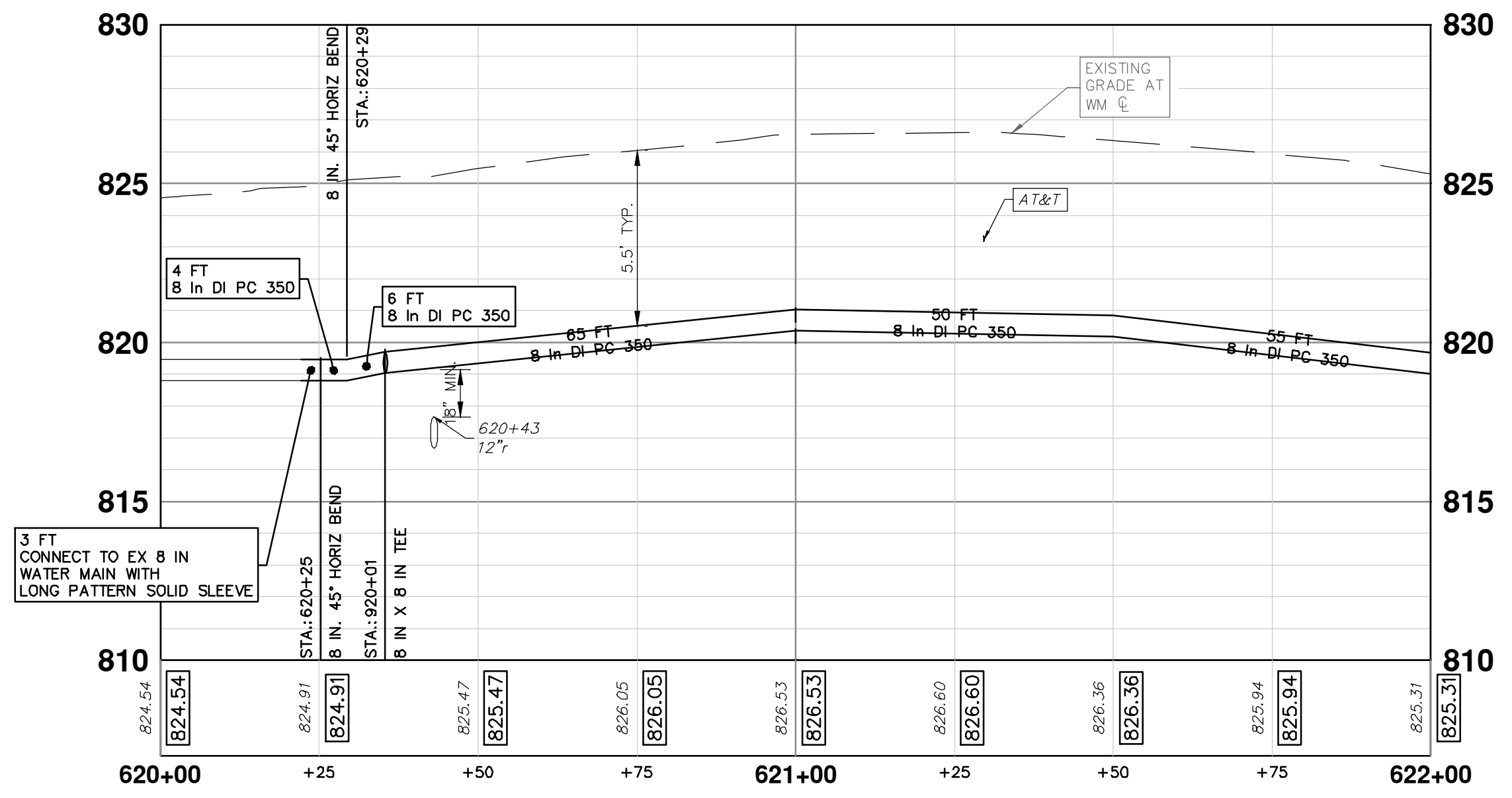
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EDGEWOOD DRIVE



WATER MAIN NOTES:

- 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".
- 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.
- 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

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73	DATE: 12-19-2024
74	DATE: 12-19-2024
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76	DATE: 12-19-2024
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79	DATE: 12-19-2024
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81	DATE: 12-19-2024
82	DATE: 12-19-2024
83	DATE: 12-19-2024
84	DATE: 12-19-2024
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89	DATE: 12-19-2024
90	DATE: 12-19-2024
91	DATE: 12-19-2024
92	DATE: 12-19-2024
93	DATE: 12-19-2024
94	DATE: 12-19-2024
95	DATE: 12-19-2024
96	DATE: 12-19-2024
97	DATE: 12-19-2024
98	DATE: 12-19-2024
99	DATE: 12-19-2024
100	DATE: 12-19-2024

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
 EDGEWOOD DRIVE
 WATER MAIN PLAN (STA 620+00 TO STA 622+00)

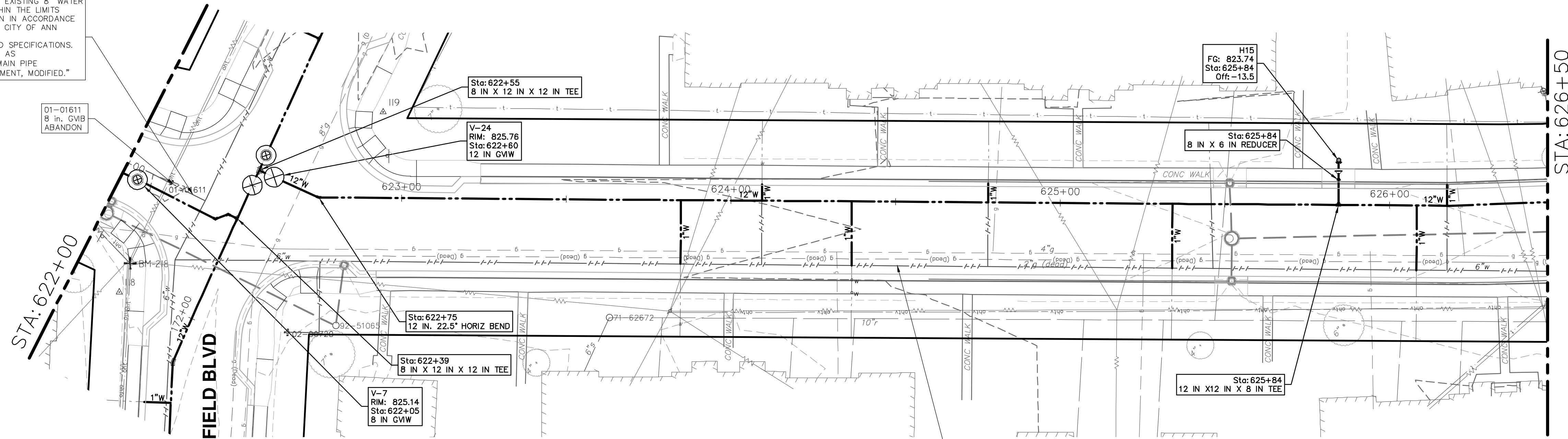
SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'
 DRAWING No.: 2022-031-116
 SHEET No.: 116 OF 161

CITY OF ANN ARBOR
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EDGEWOOD DRIVE

ABANDON EXISTING 8" WATER MAIN WITHIN THE LIMITS AS SHOWN IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS. PAID FOR AS "WATER MAIN PIPE ABANDONMENT, MODIFIED."

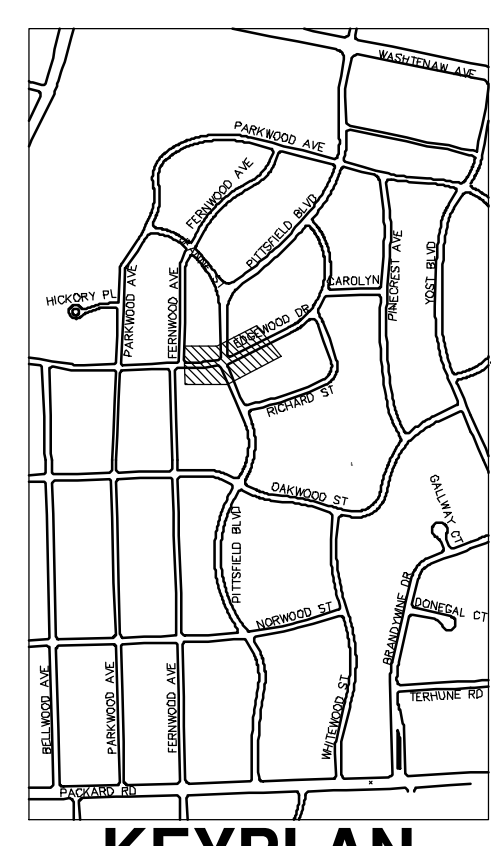
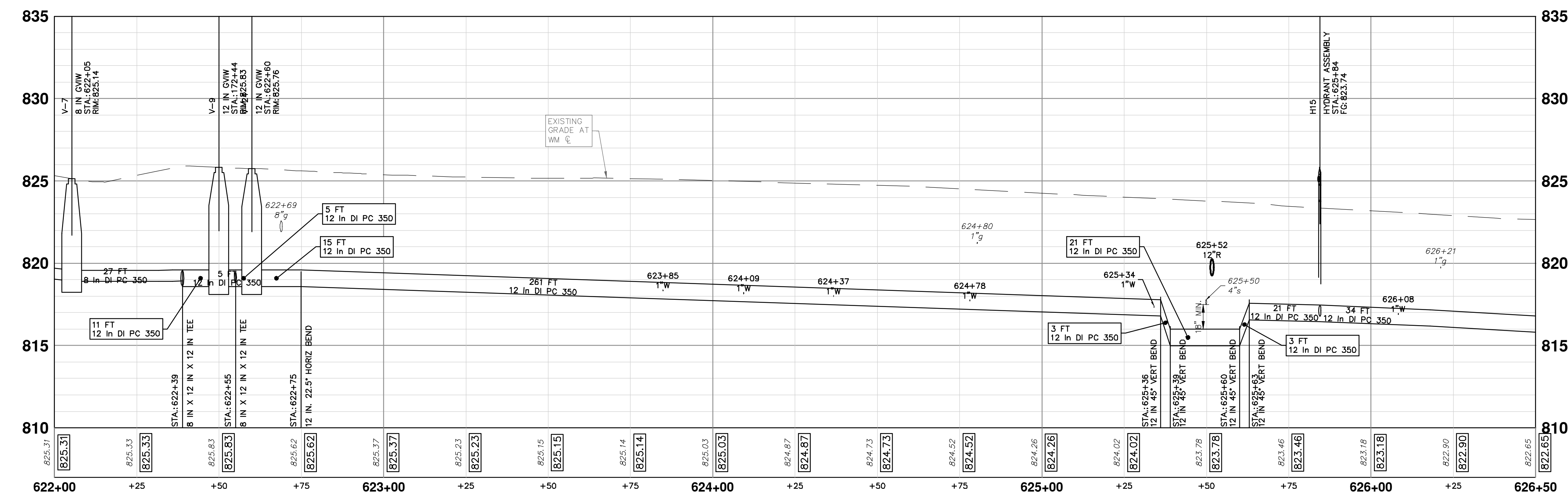
01-01611
8 in. GWB
ABANDON



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

ABANDON EXISTING 6" 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 STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V-25	12 in GVIW	627+24	821.84	6.75
V-26	12 in GVIW	628+10	821.27	6.59
V-27	12 in GVIW	629+22	821.58	6.49
H16	HYDRANT ASSEMBLY	629+61	822.81	6.73



P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050EDGEWOOD_WM.dwg Dwg Created: 17-Dec-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

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. 2022-031-117

SHEET No. 117 OF 161

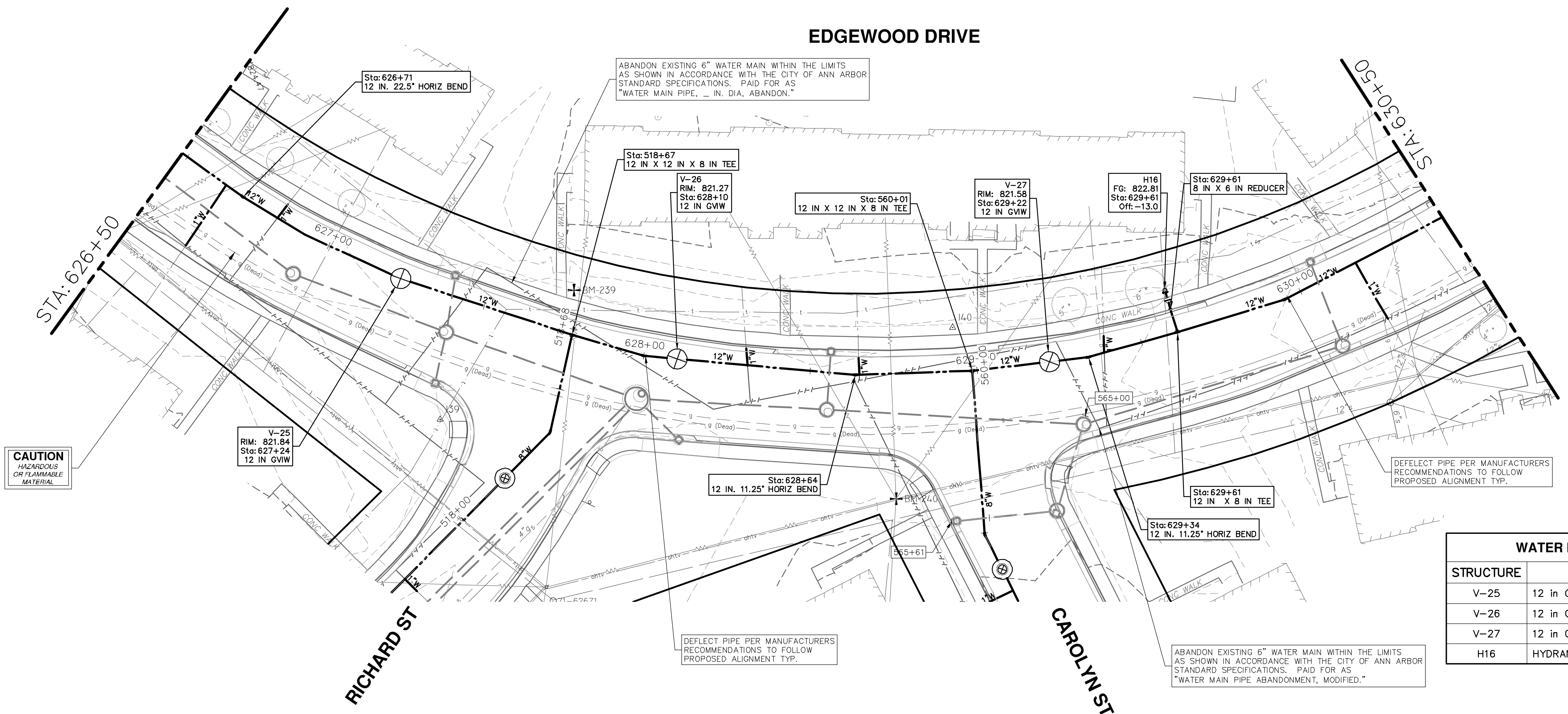
811
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01	BID SET	12-19-2024	SM	CE
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03	CHECKED			

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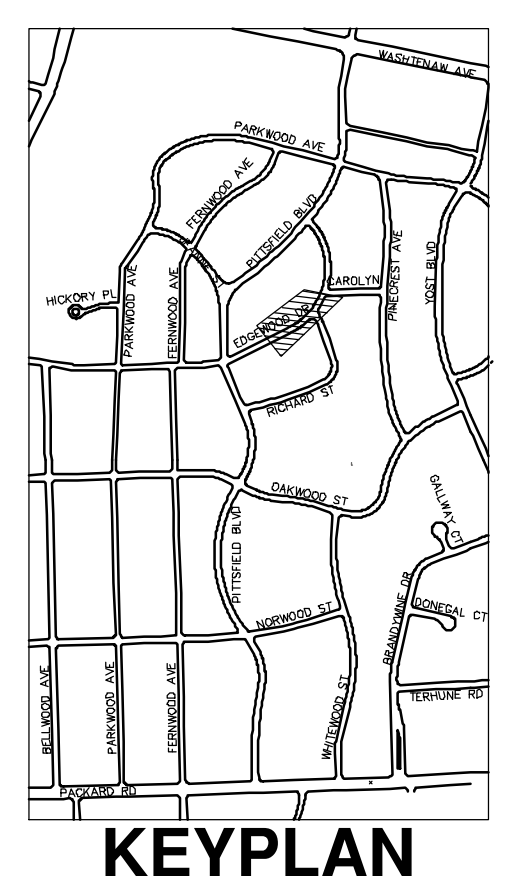
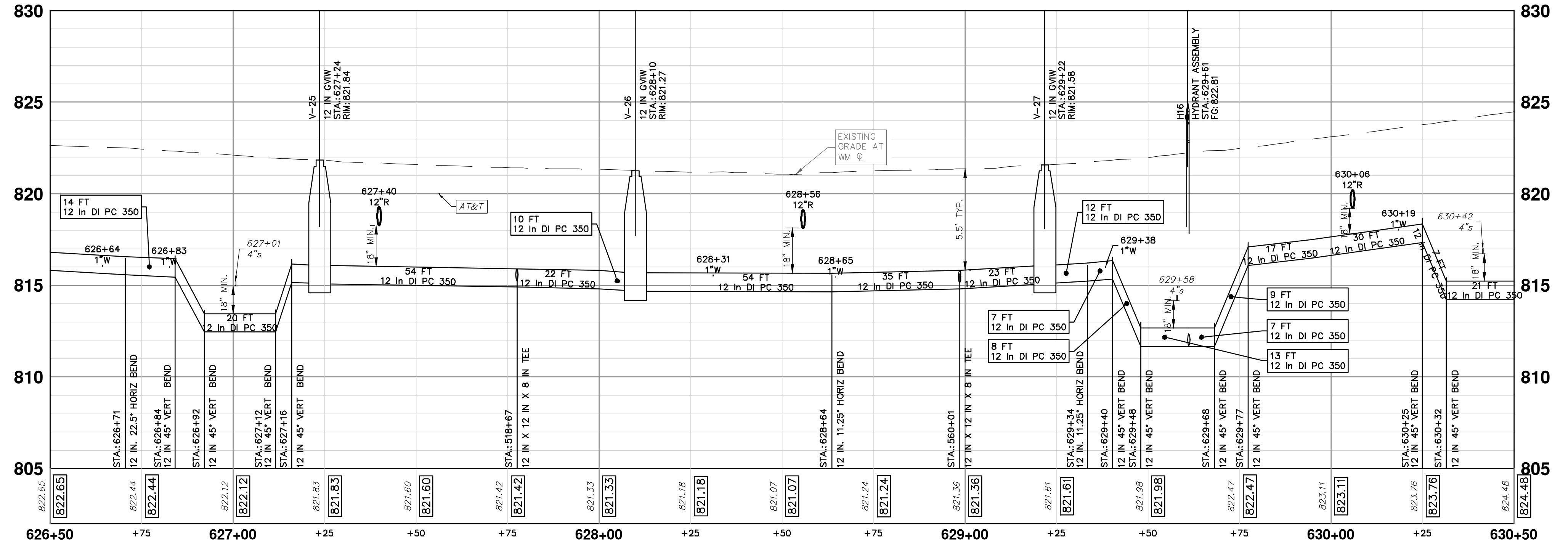
CITY OF ANN ARBOR MICHIGAN


P:\0000_01000_0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050EDGEWOOD_WM.dwg Dwg Created: 17-Dec-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24



STRUCTURE	TYPE	STATION	RIM	DEPTH
V-25	12 in GVIW	627+24	821.84	6.75
V-26	12 in GVIW	628+10	821.27	6.59
V-27	12 in GVIW	629+22	821.58	6.49
H16	HYDRANT ASSEMBLY	629+61	822.81	6.73


- WATER MAIN NOTES:
- 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"
 - 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.
 - 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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REV.	DESCRIPTION	DATE	BY	CHKD



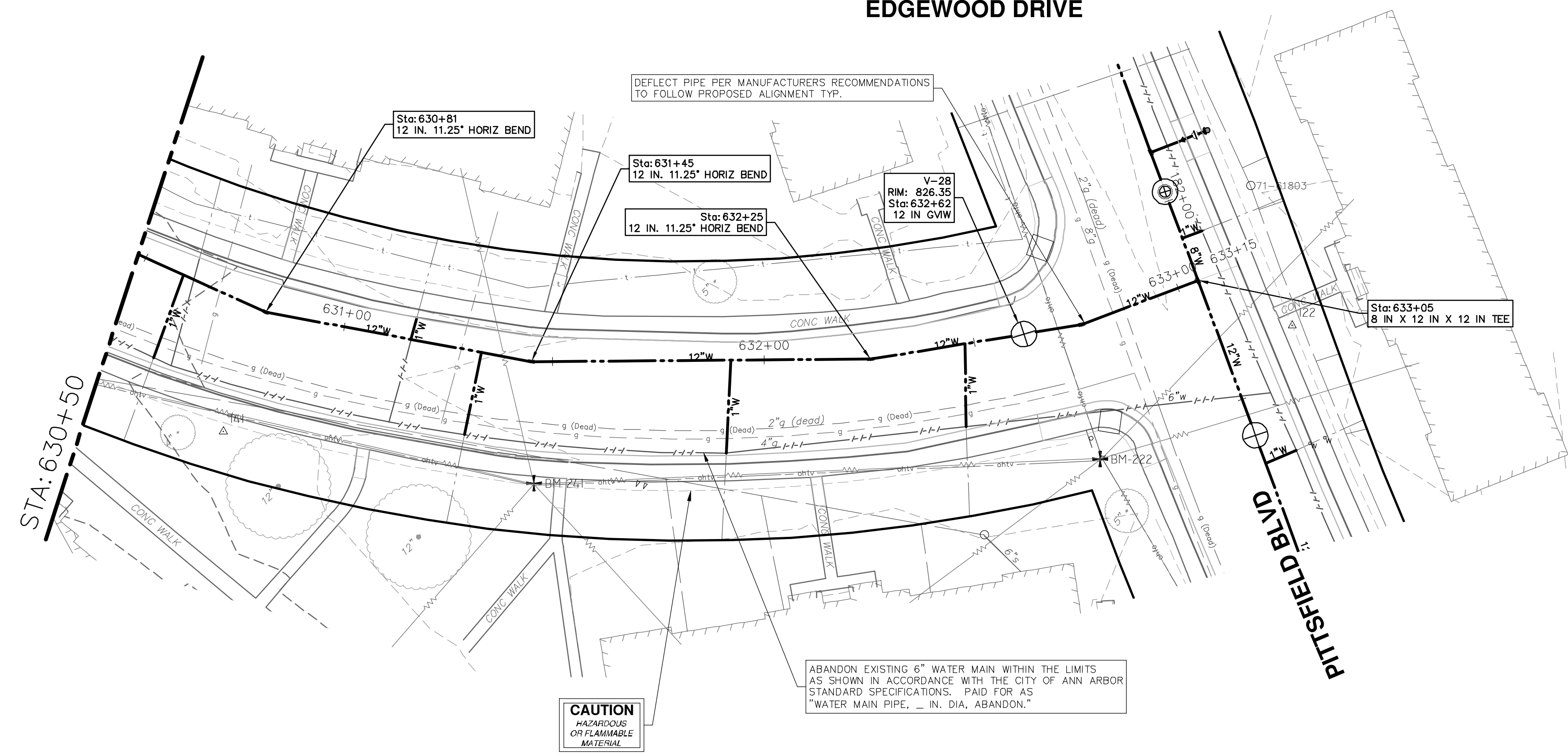
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
EDGEWOOD DRIVE
WATER MAIN PLAN (STA 626-50 TO STA 630-50)

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING NO: 2022-031-118
SHEET NO: 118 OF 161

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_WM.dwg Dwg Created: 17-Dec-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

EDGEWOOD DRIVE



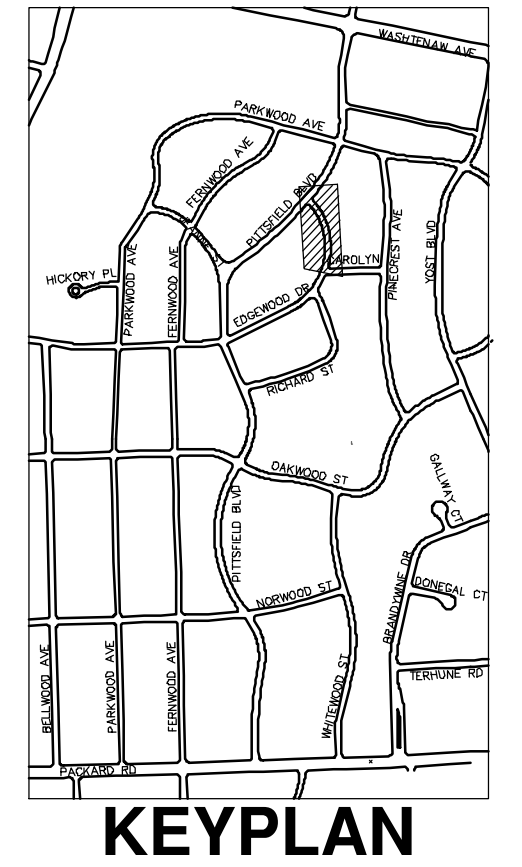
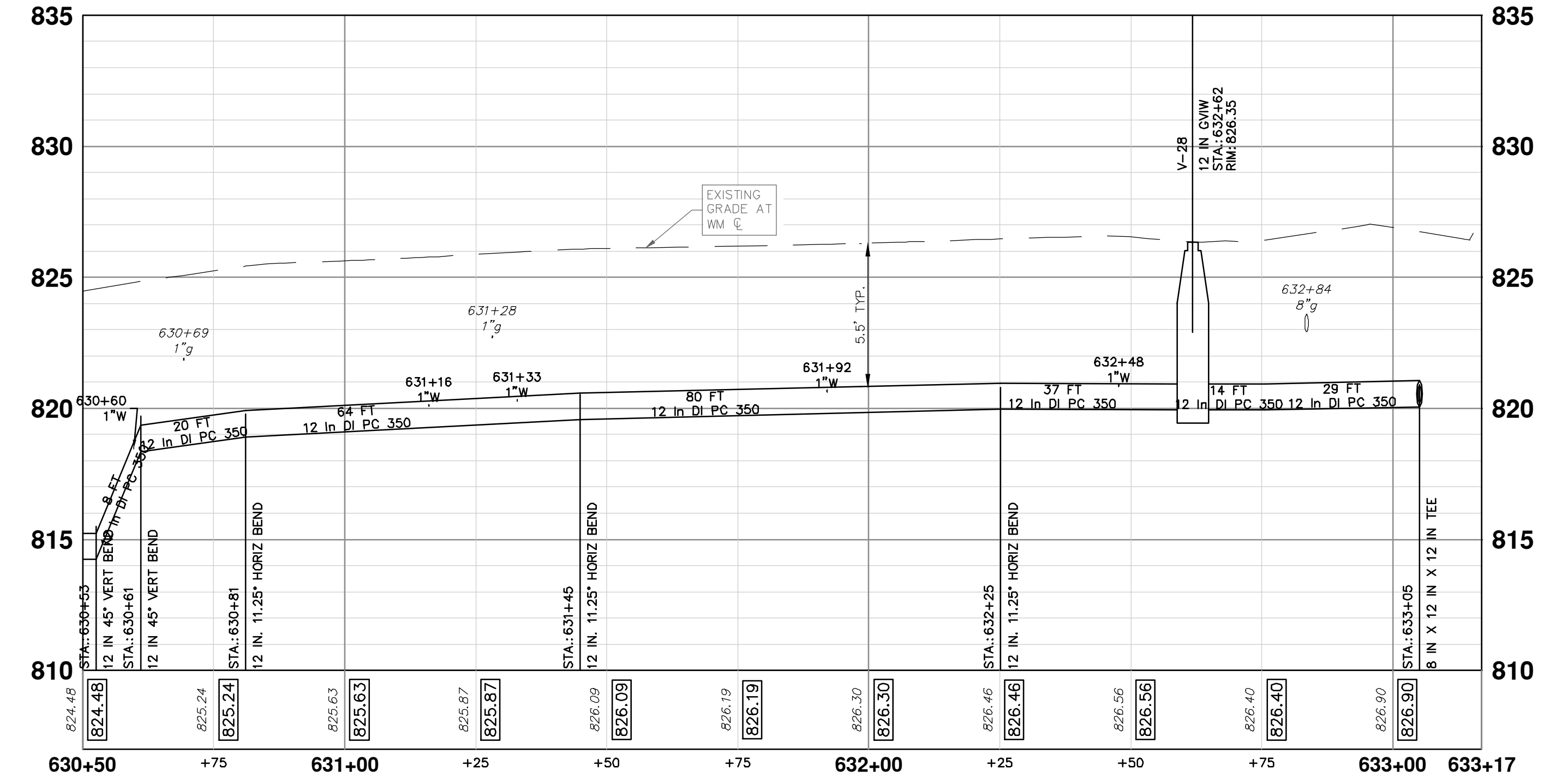
WATER MAIN NOTES:

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

CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL

ABANDON EXISTING 6" 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."

STRUCTURE	TYPE	STATION	RIM	DEPTH
V-28	12 in GVIW	632+62	826.35	6.42



811
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REV.	DATE	DESCRIPTION
00	BID SET	
01	12-19-2024	SM DRAWN
02		CE CHECKED

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
EDGEWOOD DRIVE
WATER MAIN PLAN (STA 630+50 TO STA 633+17)

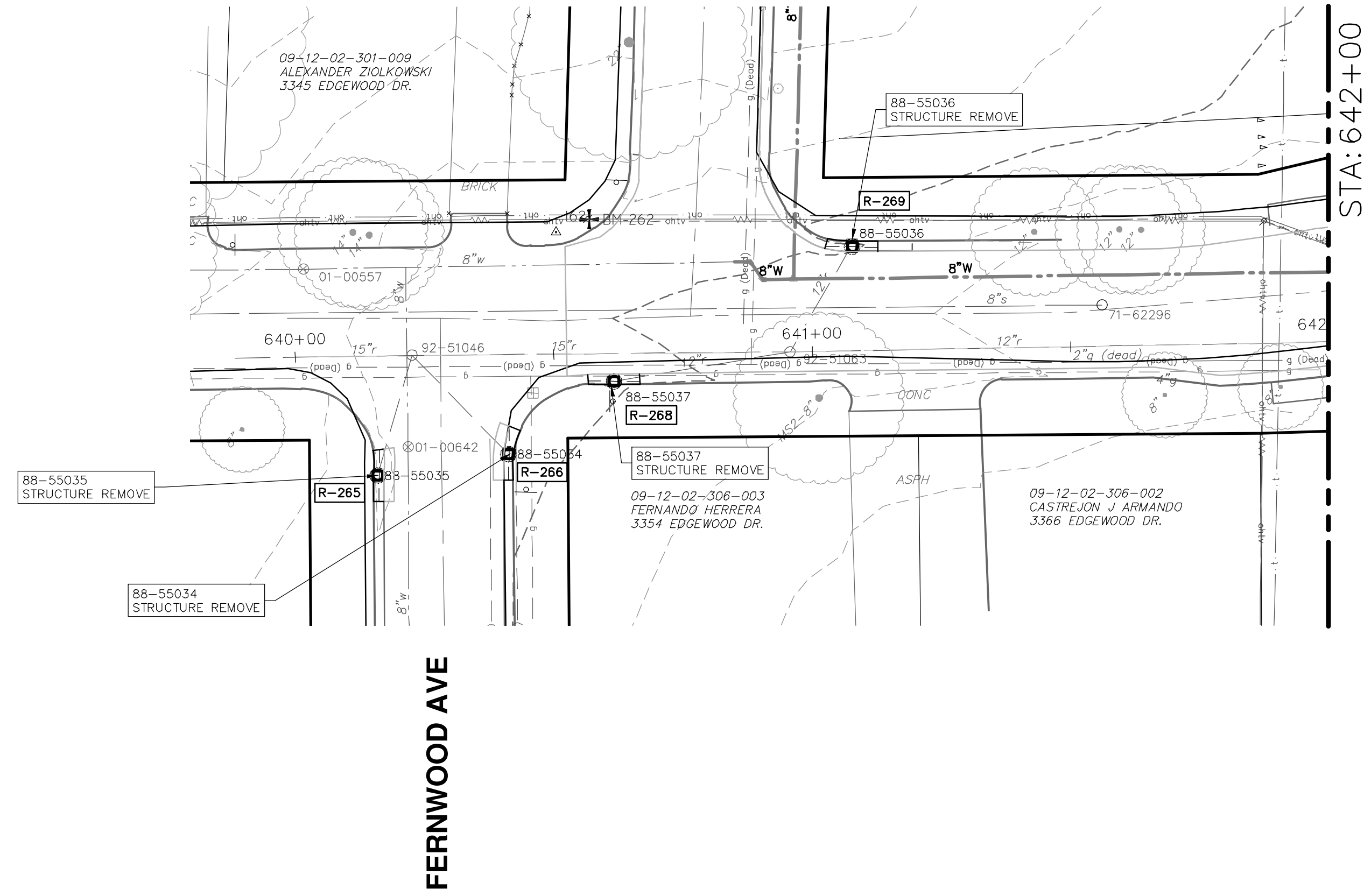
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ANN ARBOR, MI 48106-8647
ANN ARBOR PHONE: 734.794.4410
WWW.A2gov.org

SHEET No. **119 OF 161**

DRAWING No. **2022-031-119**

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050EDGEWOOD_STM.dwg Dwg Created: 17-Dec-24 - _02_standard bw.stb - Plot Date: 18-Dec-24

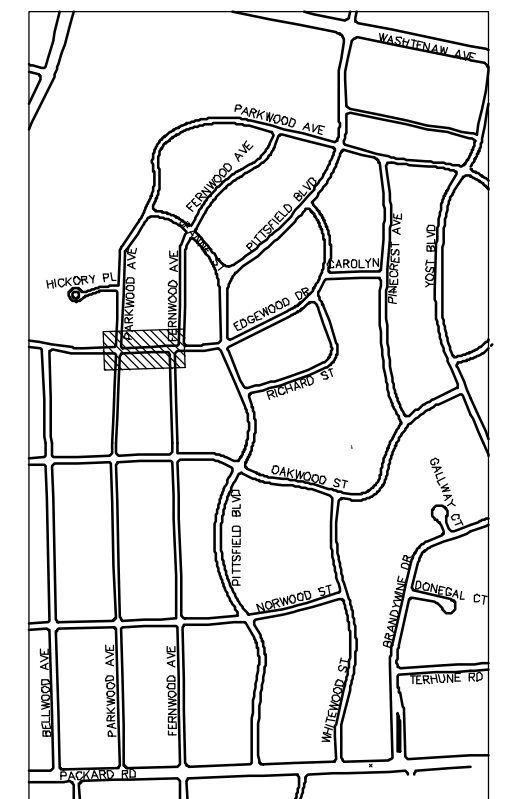
EDGEWOOD DRIVE



STA: 642+00



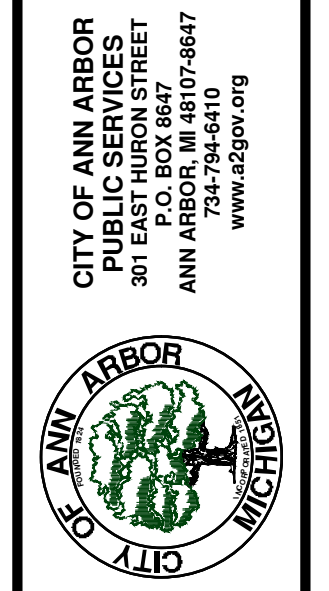
STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-51046	640+23	EX MH	824.34	15" W 815.79 12" S 819.87 12" SE 819.95 15" E 815.83	8.55	0'
92-51063	640+96	EX MH	825.46	12" E 816.50 15" W 816.56 12" W 818.95 12" NE 816.50	8.96	0'
R-265	640+16	2' Inlet	823.72	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

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 PITTSFIELD VILLAGE IMPROVEMENTS
 EDGEWOOD DRIVE
 STORM SEWER PLAN (STA 640+00 TO STA 642+00)

SHEET No. 120 OF 161
 SCALE PLAN: 1" = 20'
 DRAWING No. 2022-031-120



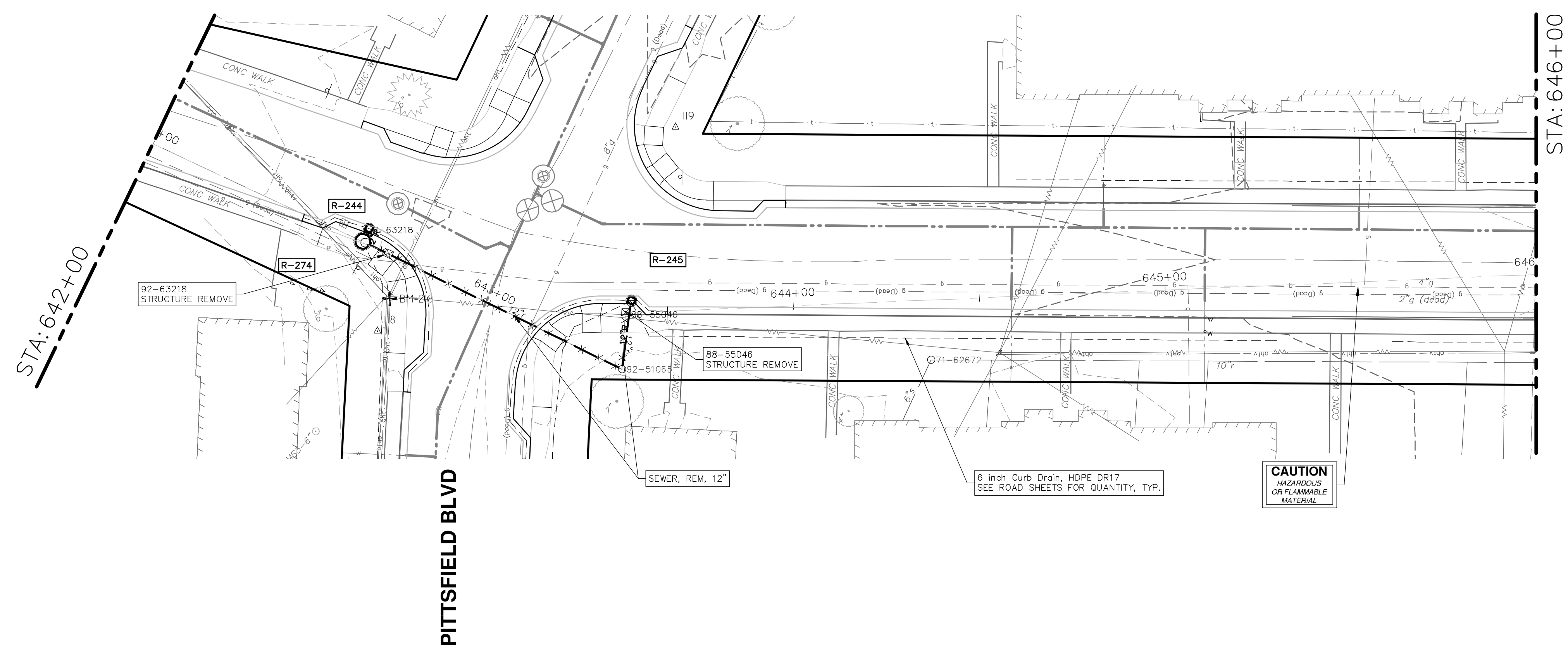
CITY OF ANN ARBOR
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REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

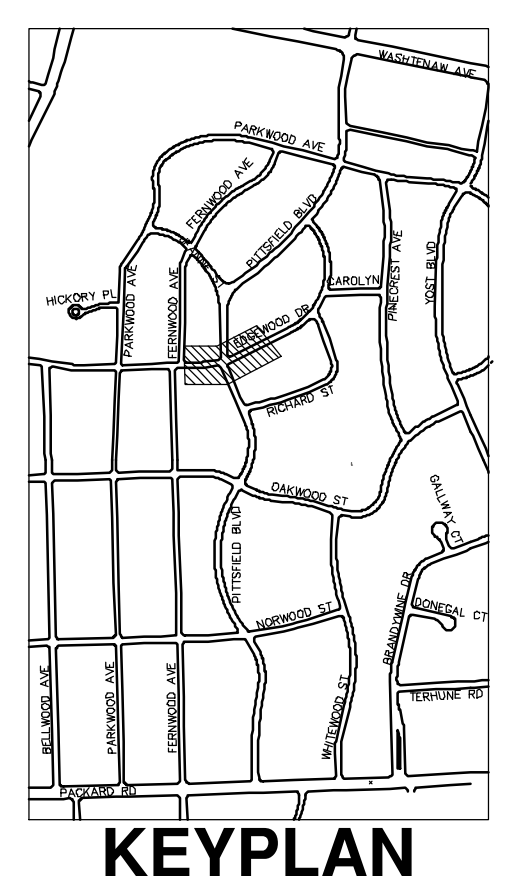
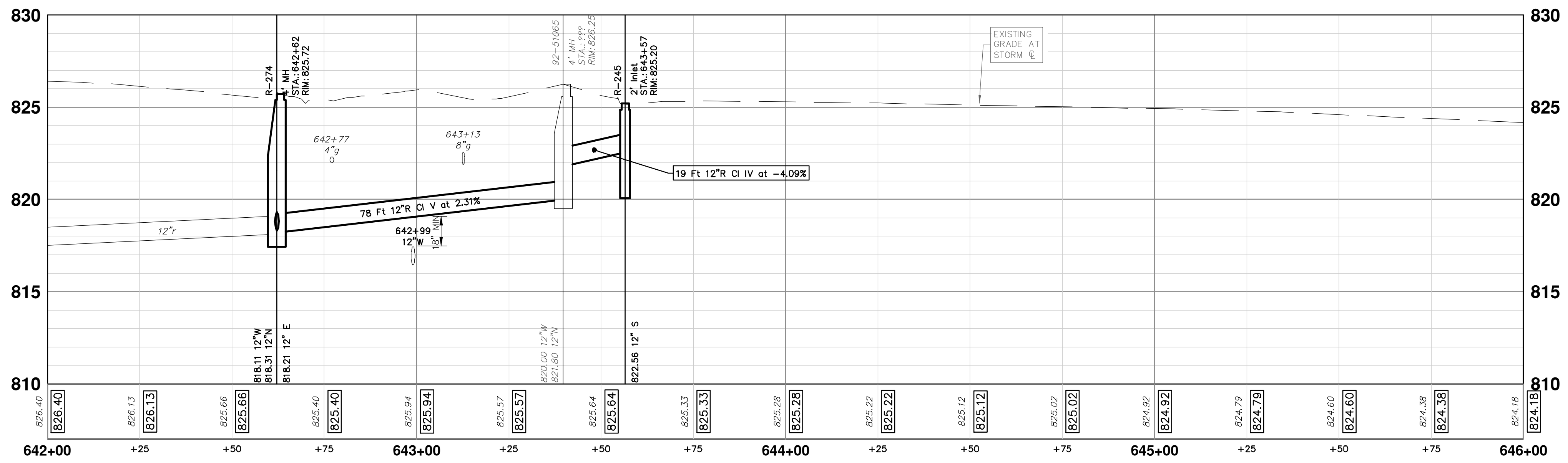


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EDGEWOOD DRIVE



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
92-51065	???	4' 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+57	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'



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. **2022-031-121**

SHEET No. **121 OF 161**

811
Know what's below.
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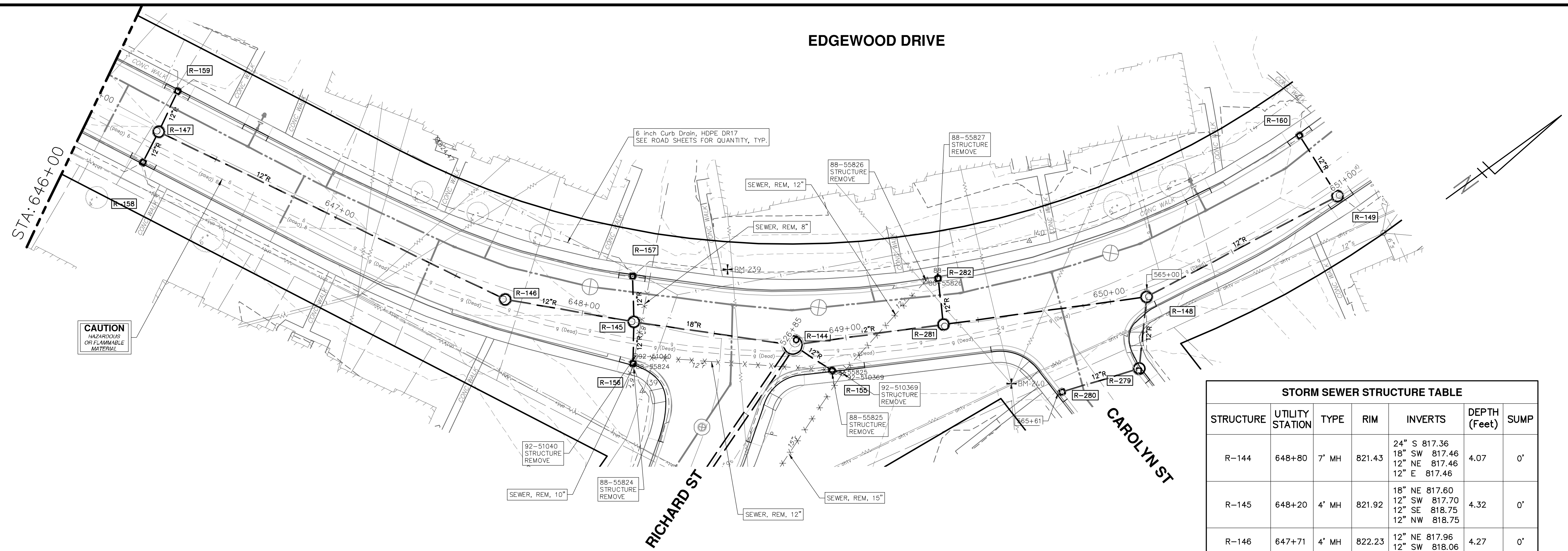
CITY OF ANN ARBOR
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CITY OF ANN ARBOR MICHIGAN

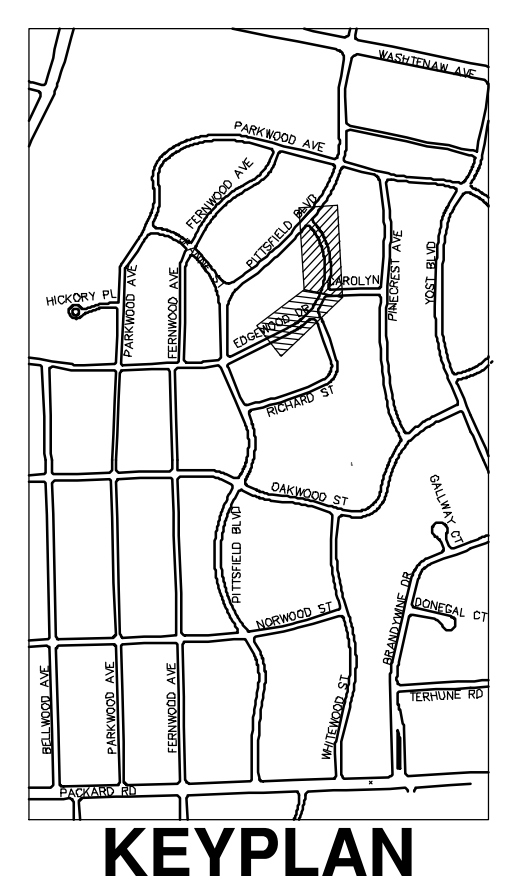
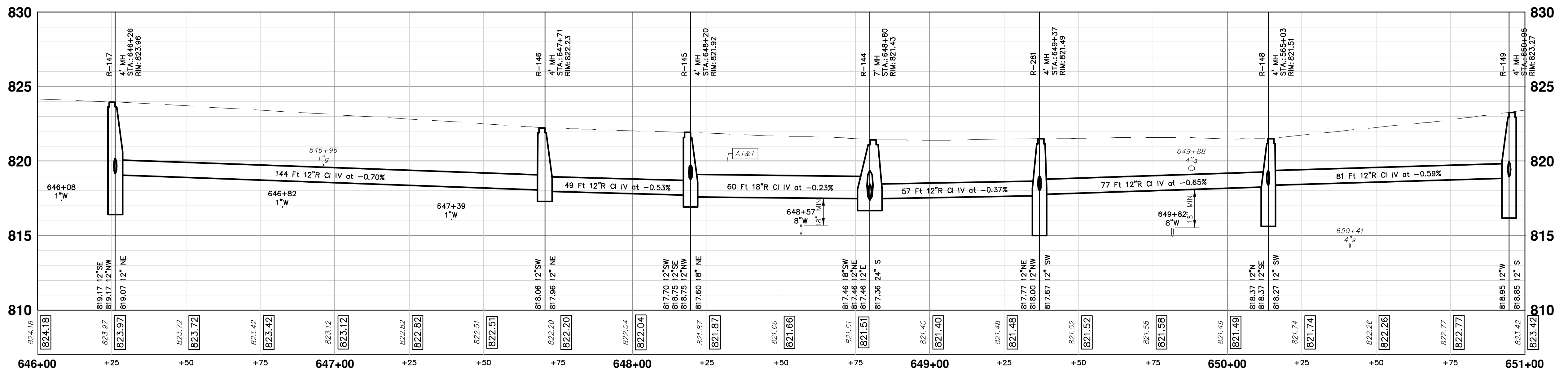
REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE
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	CHECKED			


P:\0000_01000_Pittsfield_Village_Improvements\Civil\Plans_Const\230050EDGEWOOD_STM.dwg Dwg Created: 17-Dec-24 - _02_standard bw.stb - Plot Date: 18-Dec-24

EDGEWOOD DRIVE




STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-144	648+80	7' MH	821.43	24" S 817.36 18" SW 817.46 12" NE 817.46 12" E 817.46	4.07	0'
R-145	648+20	4' MH	821.92	18" NE 817.60 12" SW 817.70 12" SE 818.75 12" NW 818.75	4.32	0'
R-146	647+71	4' MH	822.23	12" NE 817.96 12" SW 818.06	4.27	0'
R-147	646+26	4' MH	823.96	12" NE 819.07 12" SE 819.17 12" NW 819.17	6.89	2'
R-148	655+03	4' MH	821.51	12" SW 818.27 12" N 818.37 12" SE 818.37	5.24	2'
R-149	650+95	4' MH	823.27	12" S 818.85 12" W 818.95	6.42	2'
R-155	648+93	2' Inlet	821.00	12" W 816.94	6.06	2'
R-156	648+21	2' Inlet	820.87	12" NW 817.92	4.95	2'
R-157	648+16	2' Inlet	821.54	12" SE 818.03	5.51	2'
R-158	646+26	2' Inlet	823.62	12" NW 819.20	6.42	2'
R-159	646+26	2' Inlet	823.61	12" SE 819.30	6.31	2'
R-160	650+97	2' Inlet	823.11	12" E 819.30	5.81	2'





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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
EDGEWOOD DRIVE

STORM SEWER PLAN (STA 646+00 TO STA 651+00)

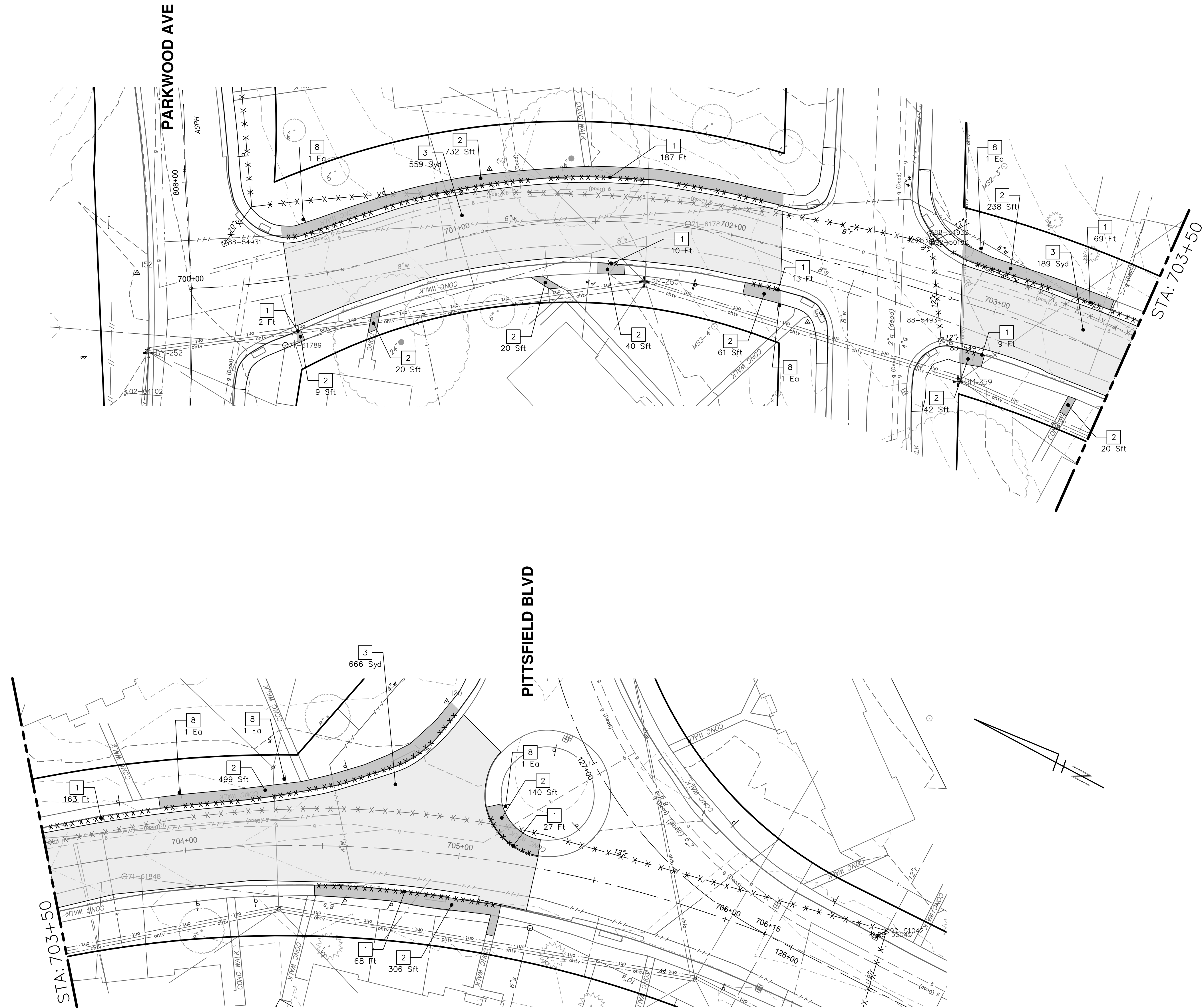
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'

DRAWING NO.:
2022-031-122

SHEET No.
122 OF 161

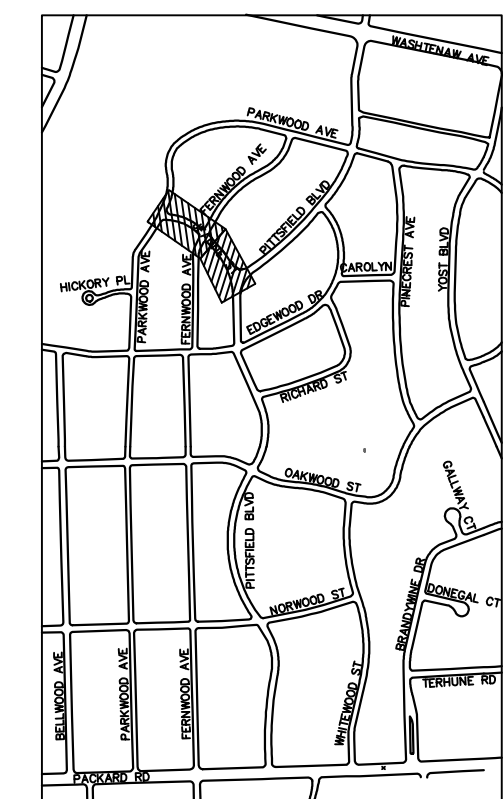
P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050JEANNE_REM.dwg Dwg Created: 1-Feb-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

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

CITY OF ANN ARBOR
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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)

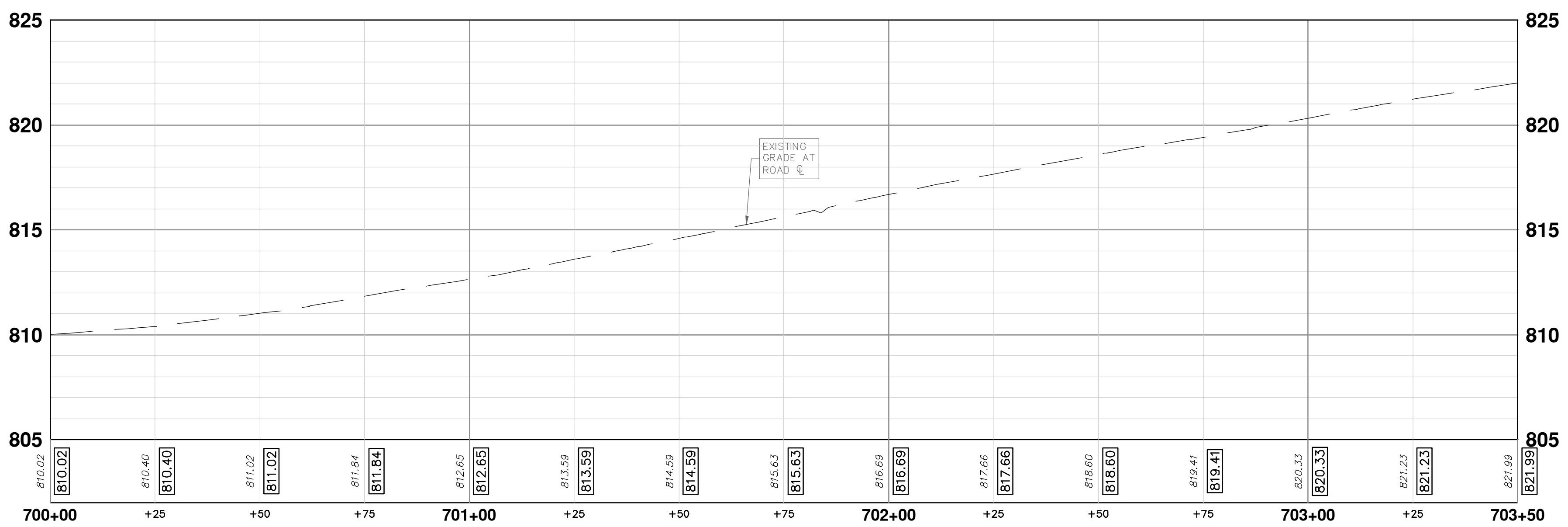
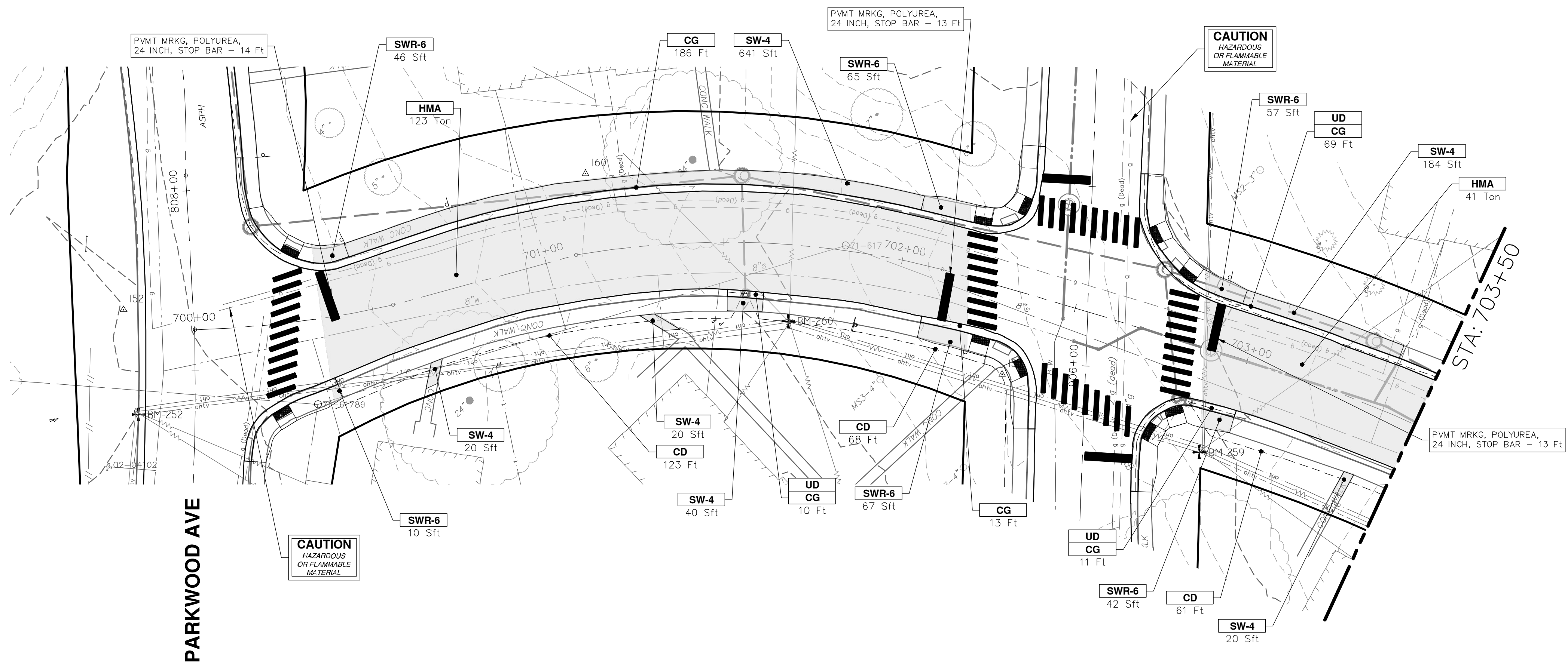
SCALE PLAN: 1" = 20'
 DRAWING No. 2022-031-123



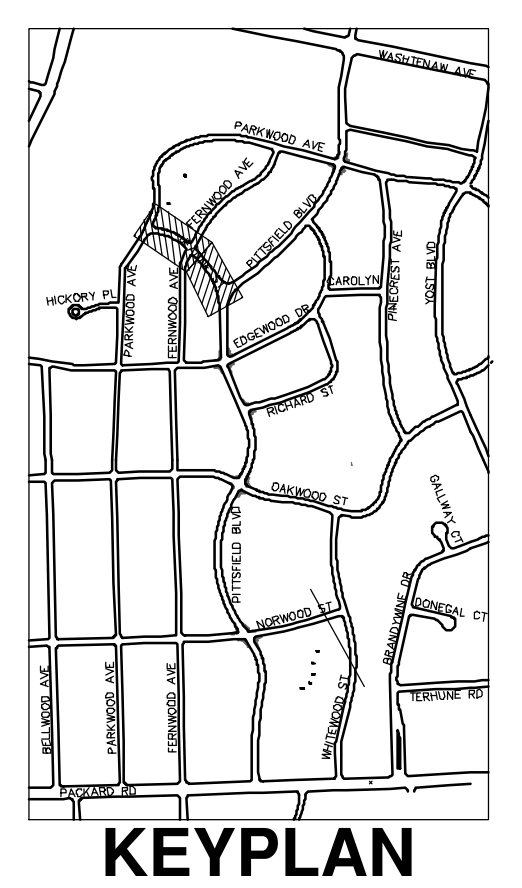
REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

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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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

JEANNE STREET

ROAD PLAN (STA 700+00 TO STA 703+50)

SHEET No. **124 OF 161**

ANN ARBOR MICHIGAN

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ANN ARBOR, MI 48106-8647
ANN ARBOR PHONE: 734-794-4410
WWW.ANARBOR.MI.GOV

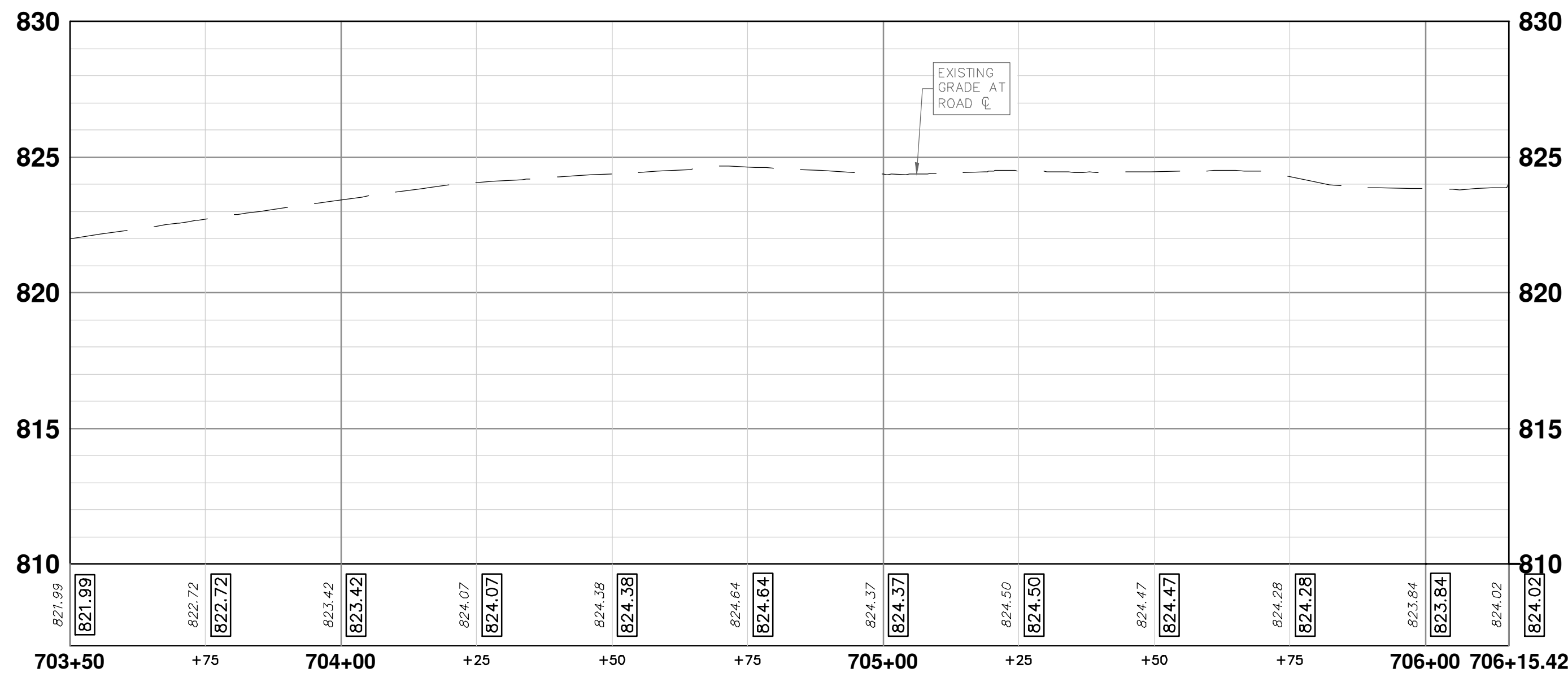
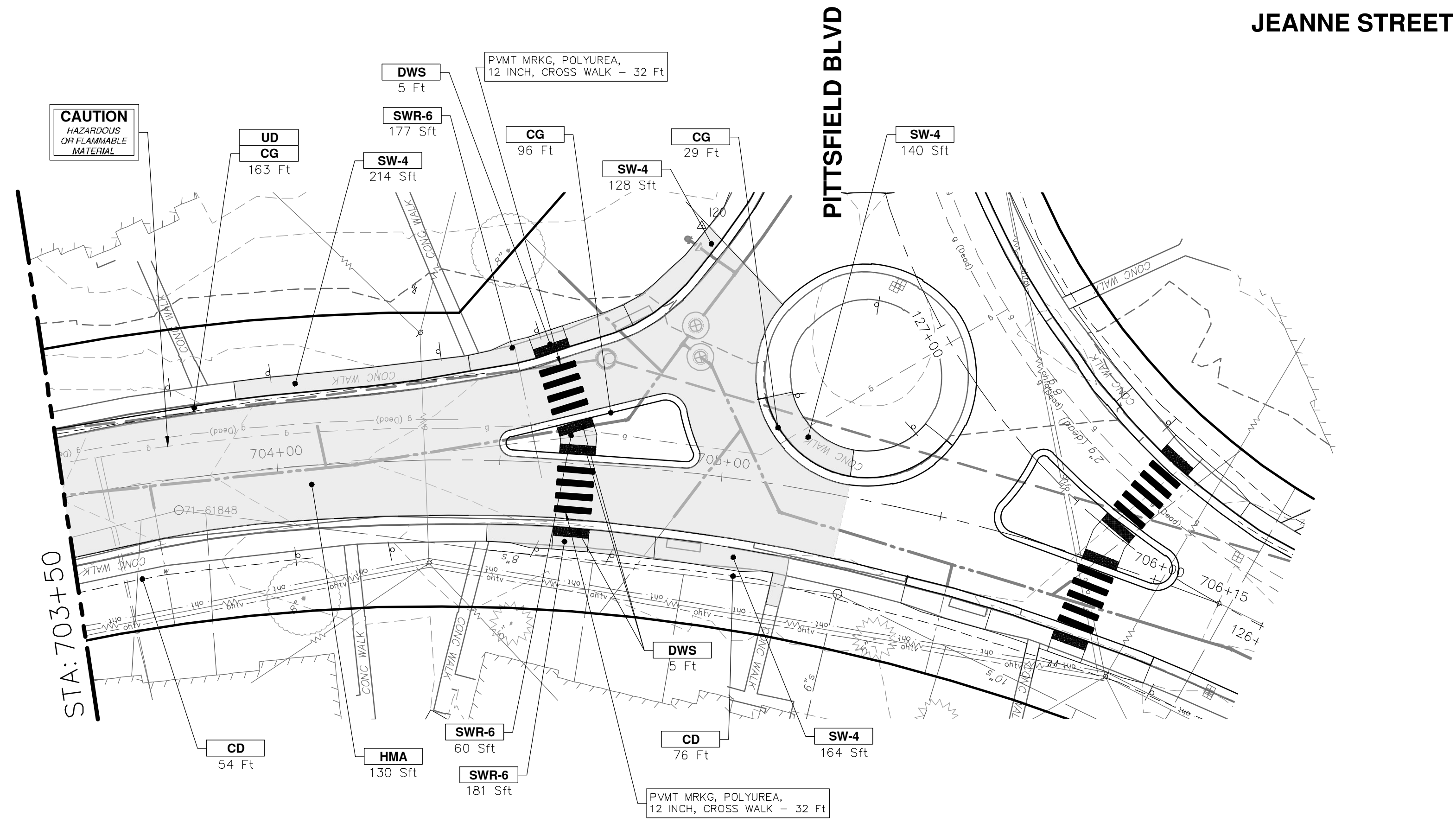
DATE: 12-19-2024
DRAWN: SM
CHECKED: CE

REV. DESCRIPTION

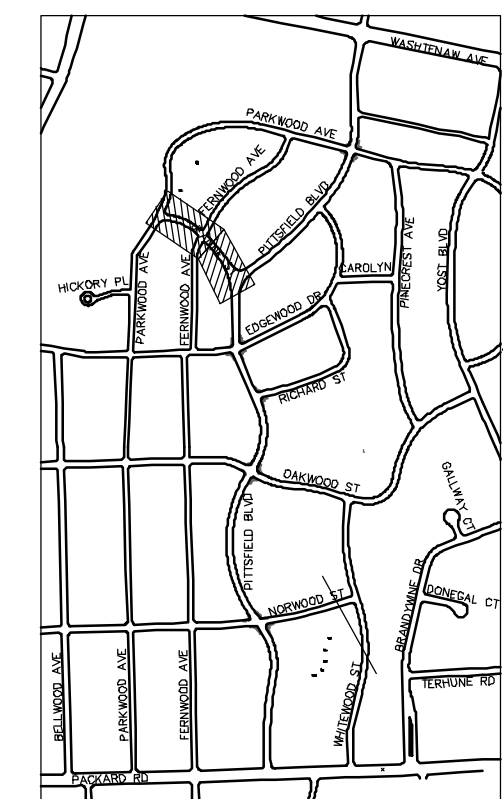
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CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, 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 - 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. 2022-031-125

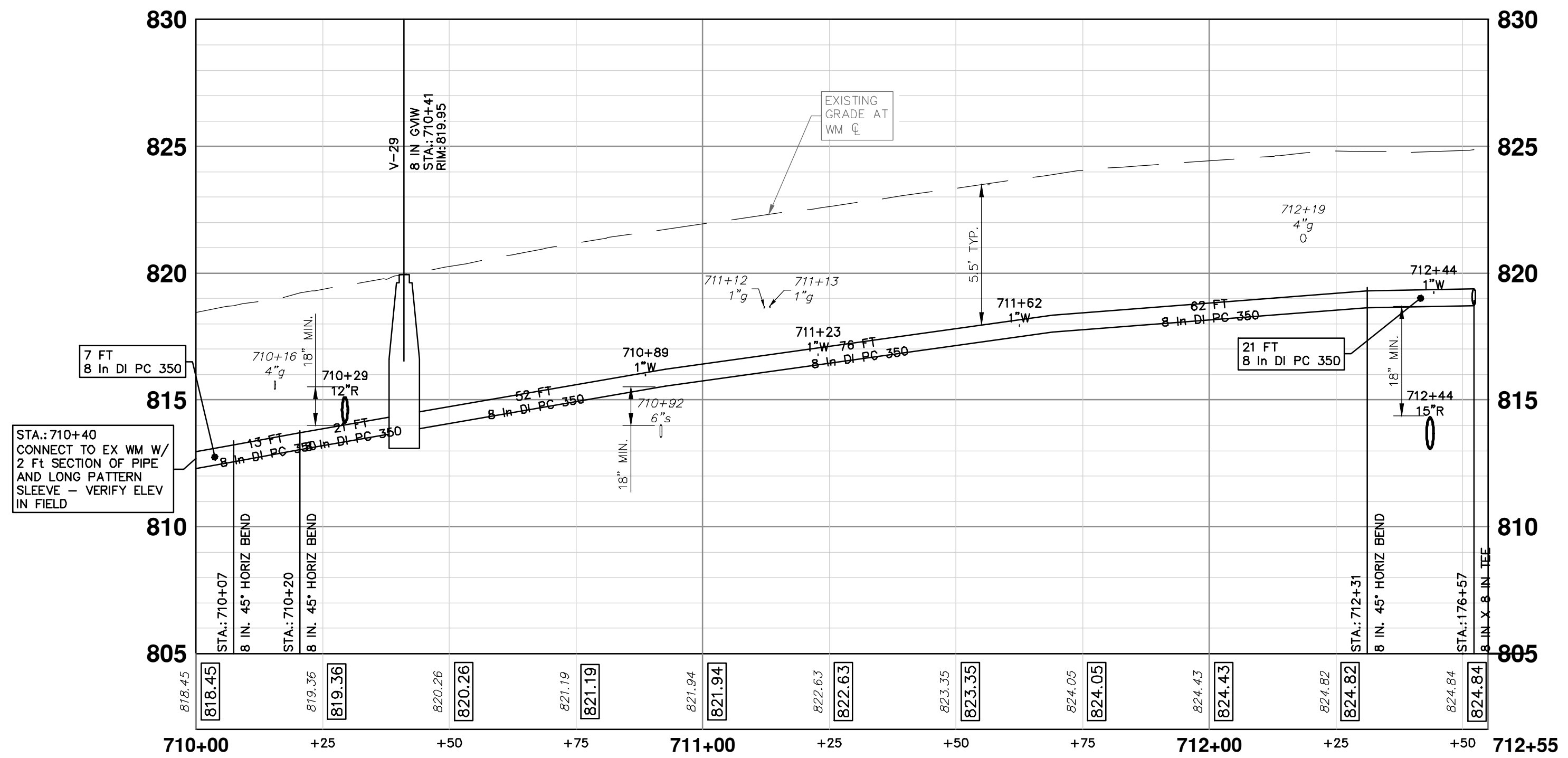
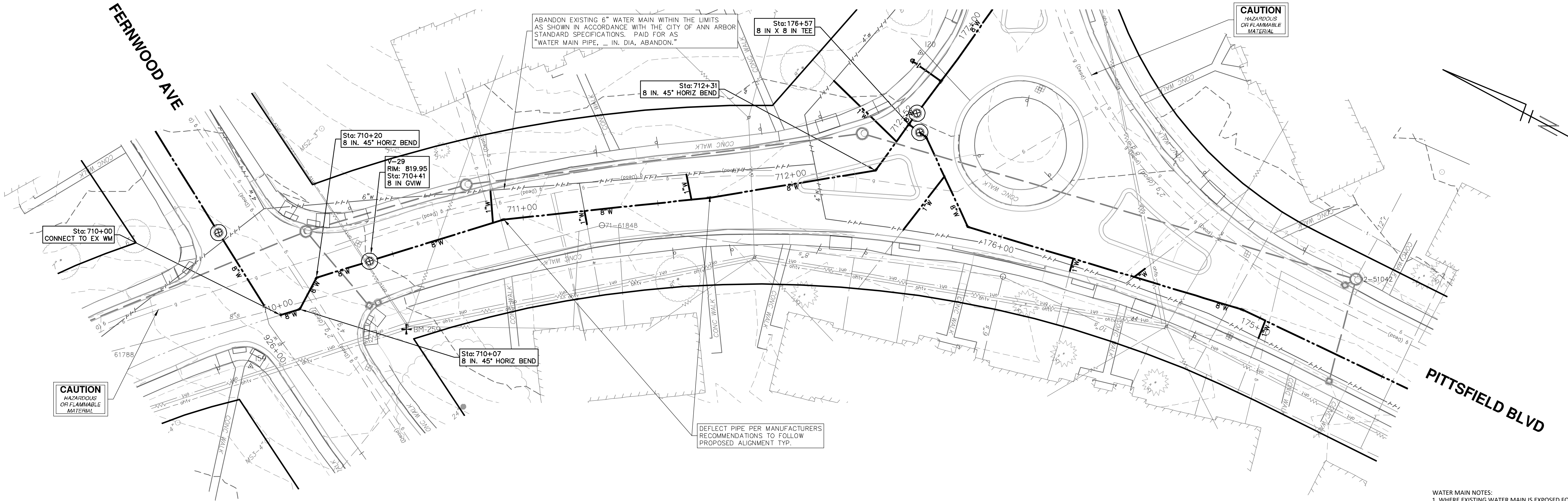
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00	BID SET	12-19-2024	SM	CE

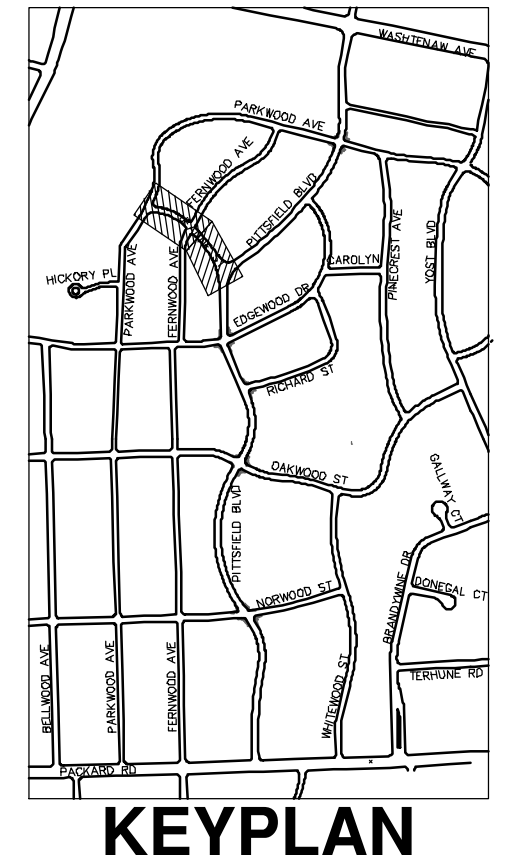


JEANNE STREET



WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH
V-29	8 in GWV	710+41	819.95	6.19

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



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: 18-Dec-24

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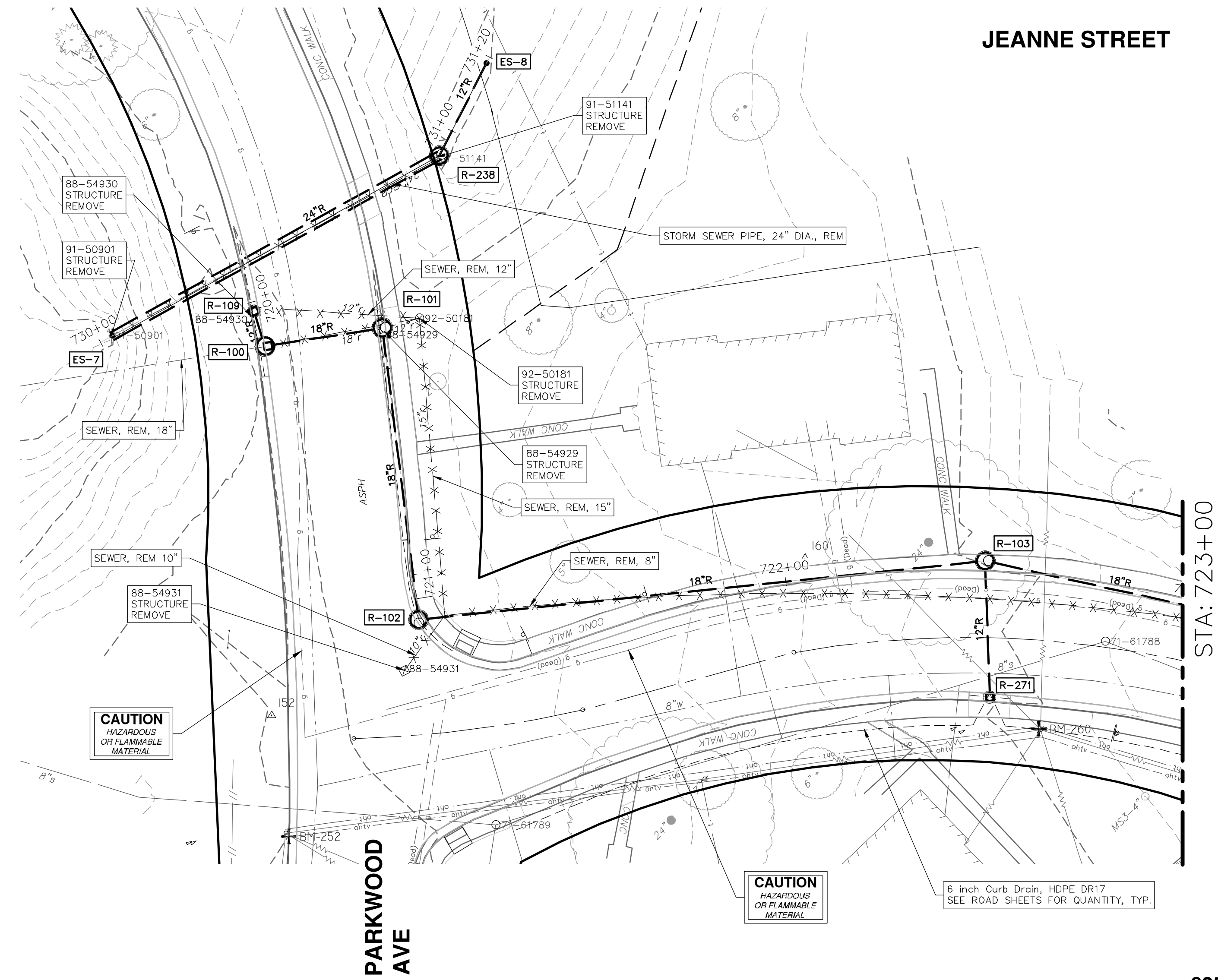
REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
JEANNE STREET
WATER MAIN PLAN (STA 710+00 TO STA 712+55)

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

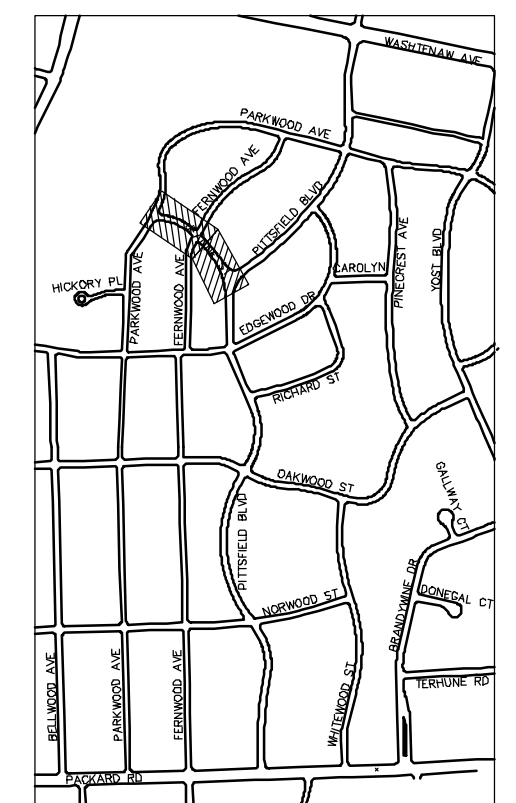
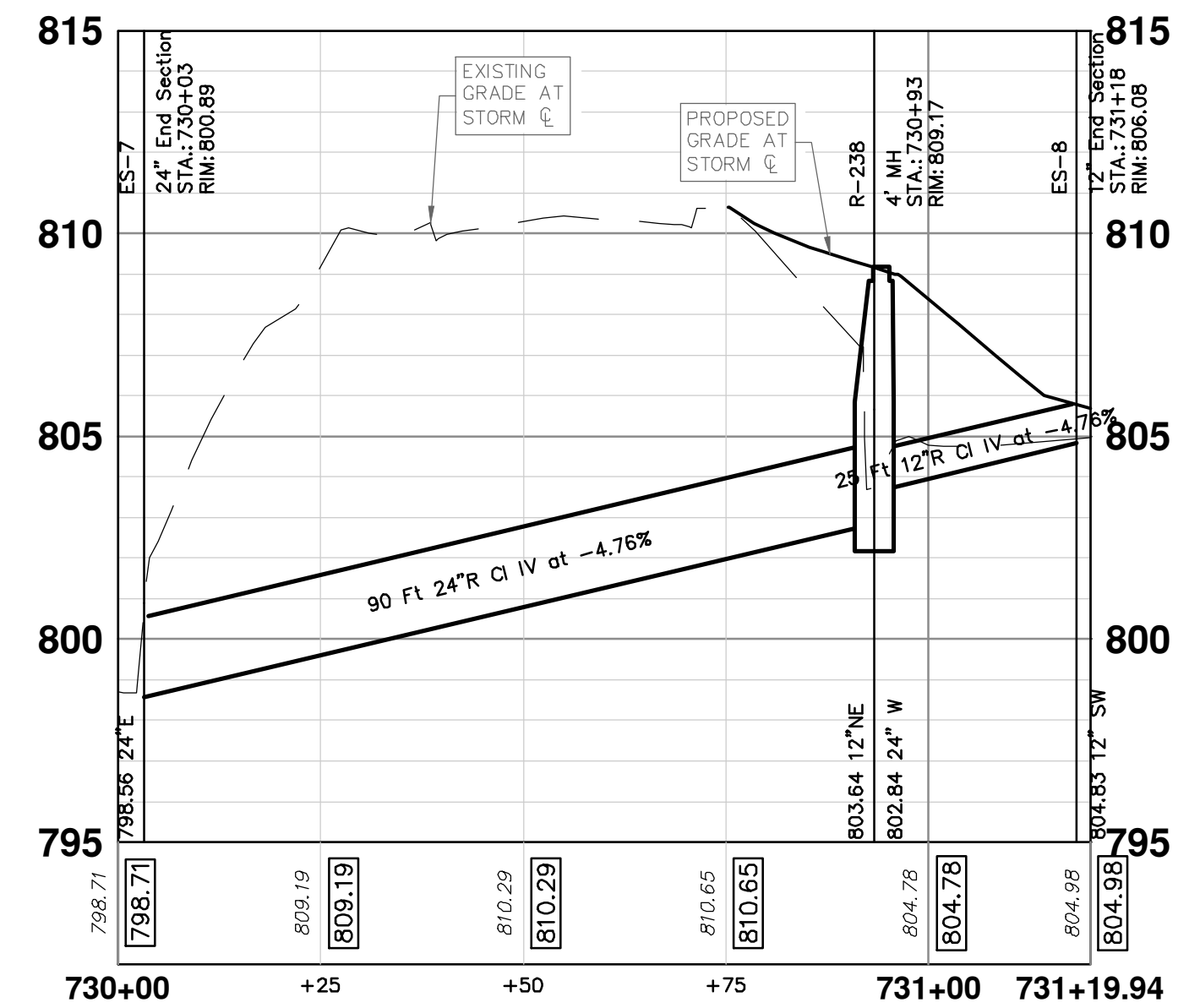
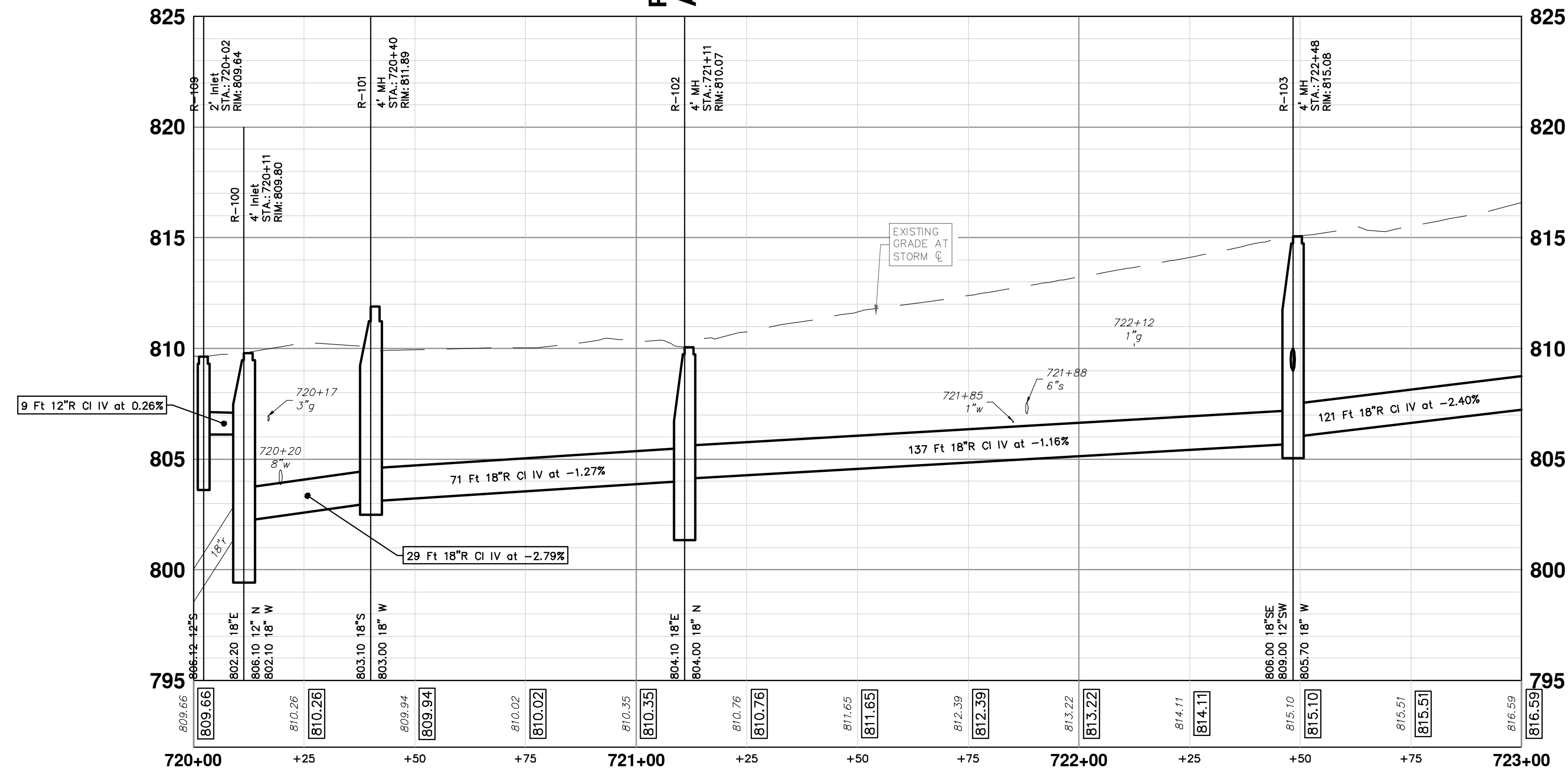
DRAWING No. 2022-031-126

SHEET No. 126 OF 161



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-100	720+11	4' Inlet	809.80	12" N 806.10 18" W 802.10 18" E 802.20	9.70	2'
R-101	720+40	4' MH	811.89	18" W 803.00 18" S 803.10	8.89	0'
R-102	721+11	4' MH	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	9.38	0'
R-109	720+02	2' Inlet	809.64	12" S 806.12	5.52	2'
R-238	730+93	4' MH	809.17	24" W 802.84 12" NE 803.64	6.33	0'
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%



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CHECKED: CE

REV. DESCRIPTION

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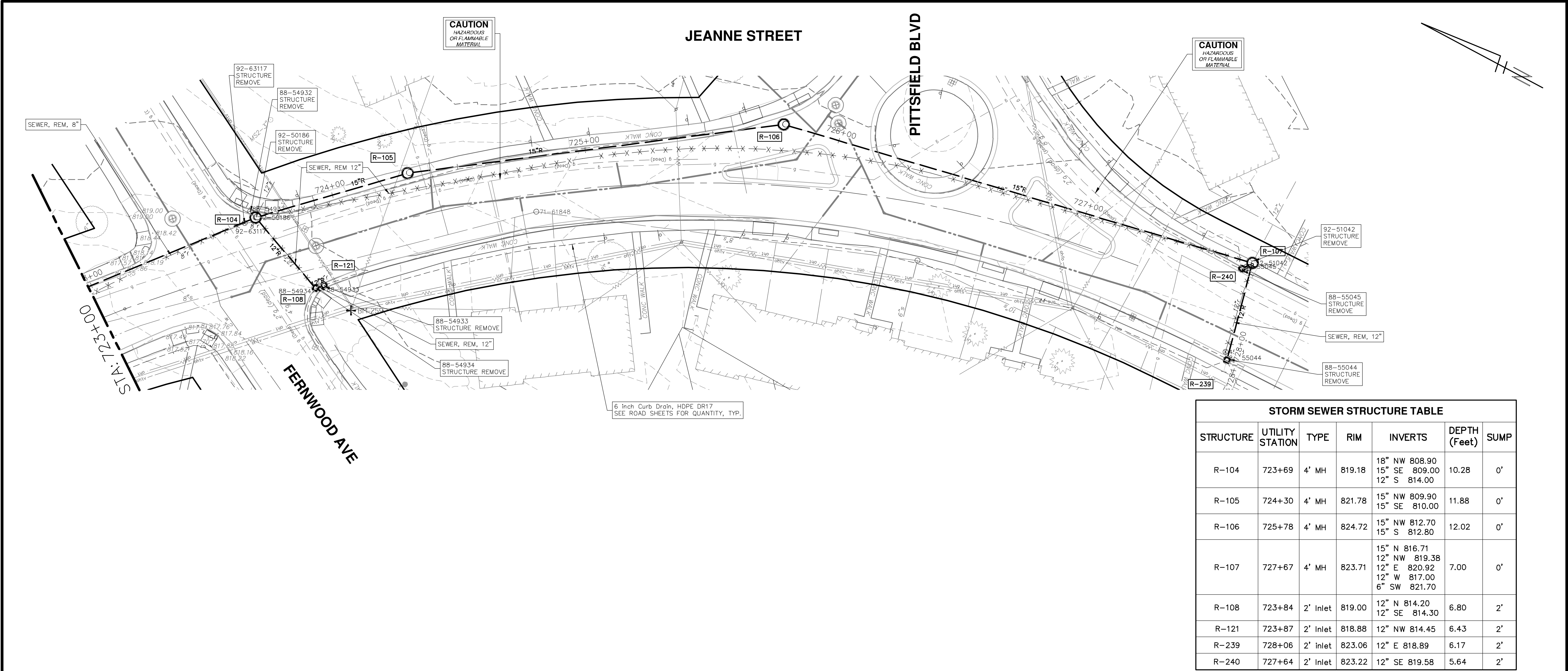
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JEANNE STREET

STORM SEWER PLAN (STA 720+00 TO STA 723+00)

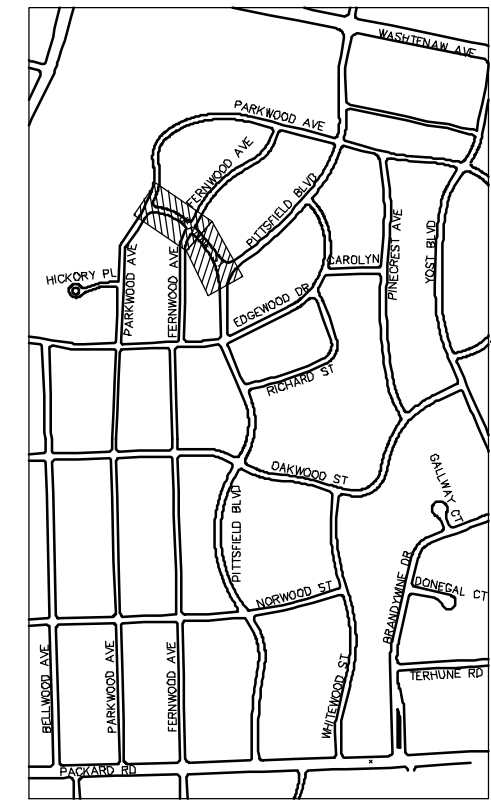
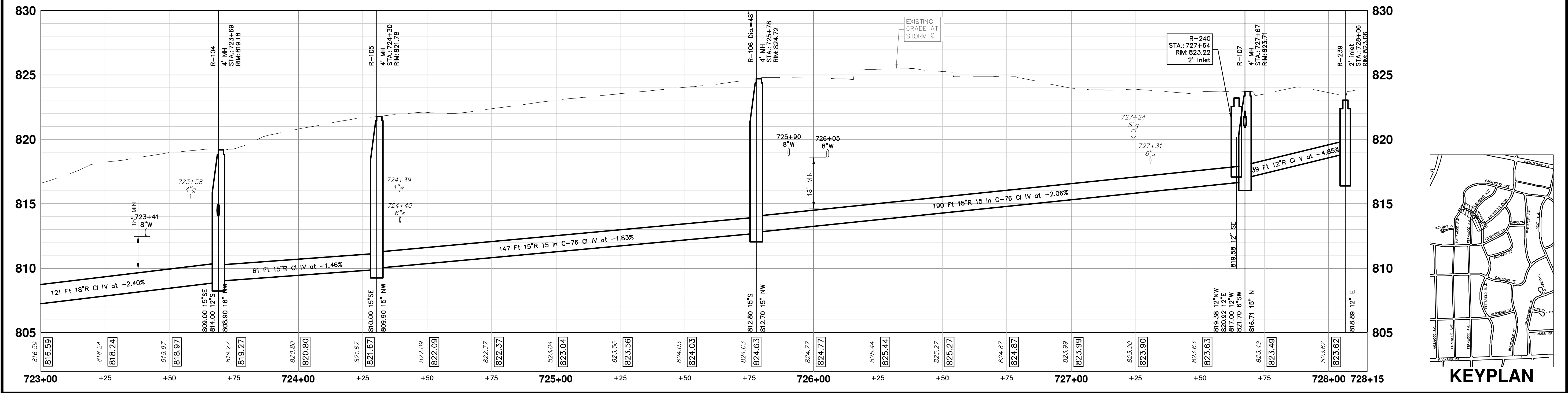
SCALE: 1" = 20'
PROFILE: 1" = 4'


DRAWING No.: 2022-031-127
SHEET No.: 127 OF 161

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050JEANNE_STM.dwg Dwg Created: 16-Dec-24 - a2_standard bw.stb - Plot Date: 18-Dec-24




STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
R-104	723+69	4' MH	819.18	18" NW 808.90 15" SE 809.00 12" S 814.00	10.28	0'
R-105	724+30	4' MH	821.78	15" NW 809.90 15" SE 810.00	11.88	0'
R-106	725+78	4' MH	824.72	15" NW 812.70 15" S 812.80	12.02	0'
R-107	727+67	4' MH	823.71	15" N 816.71 12" NW 819.38 12" E 820.92 12" W 817.00 6" SW 821.70	7.00	0'
R-108	723+84	2' Inlet	819.00	12" N 814.20 12" SE 814.30	6.80	2'
R-121	723+87	2' Inlet	818.88	12" NW 814.45	6.43	2'
R-239	728+06	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'





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01	12-19-2024	DATE
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03		CHECKED



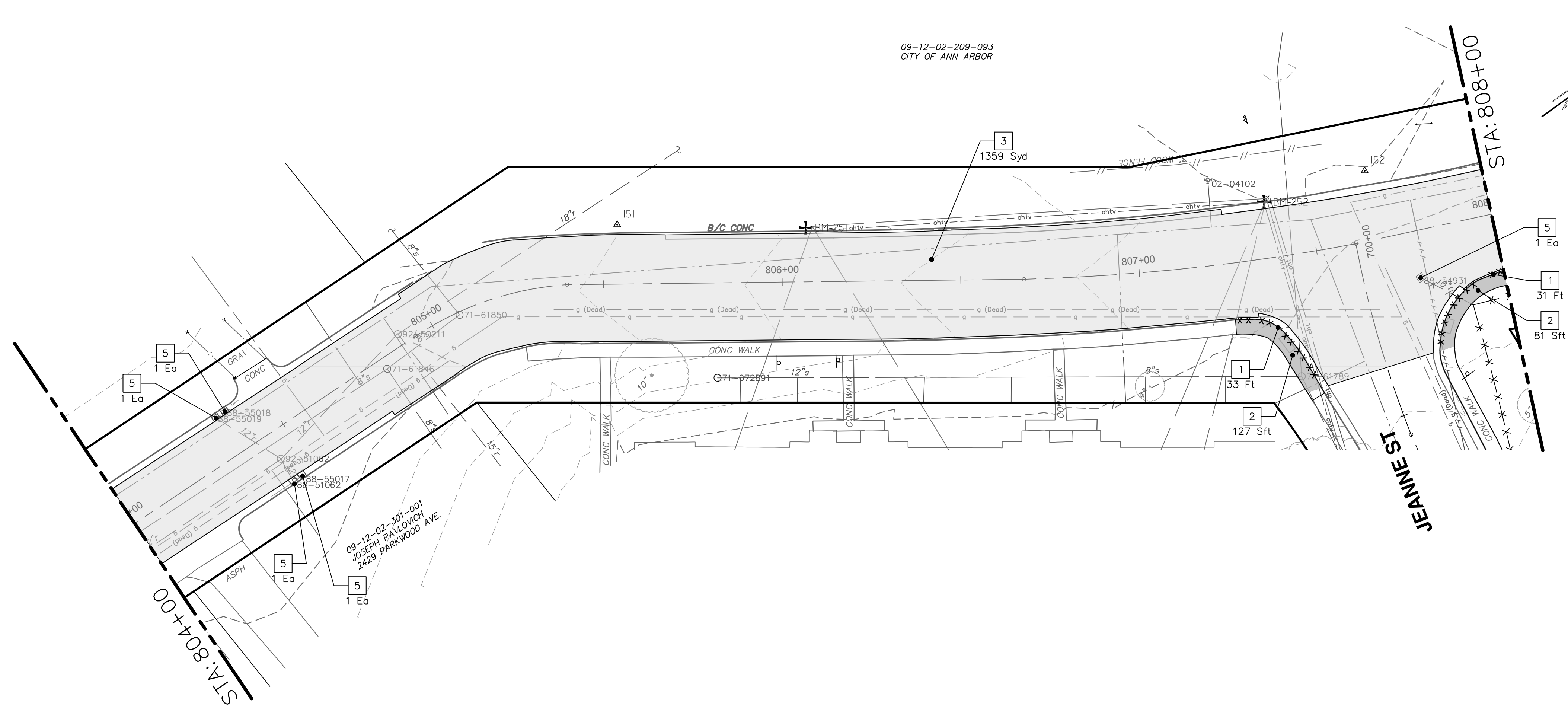
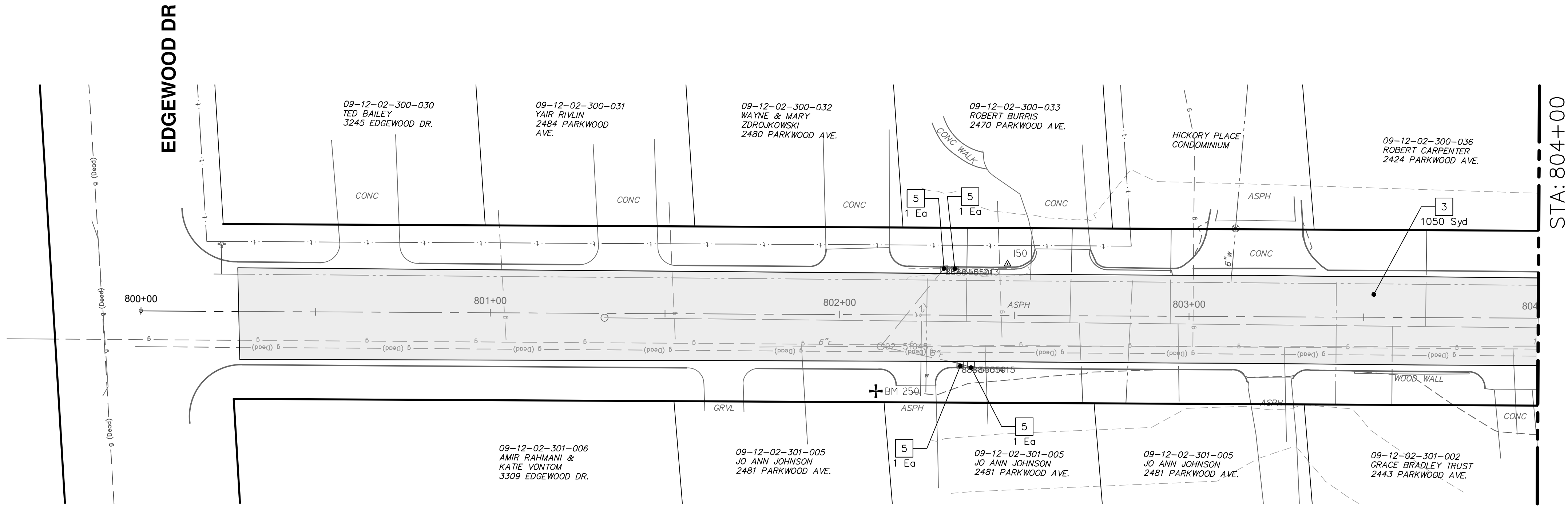
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 JEANNE STREET
 STORM SEWER PLAN (STA 723+00 TO STA 728+14)

SHEET No. **128 OF 161**
 SCALE PLAN: 1" = 20'
 PROFILE: 1" = 4'
 DRAWING No. **2022-031-128**

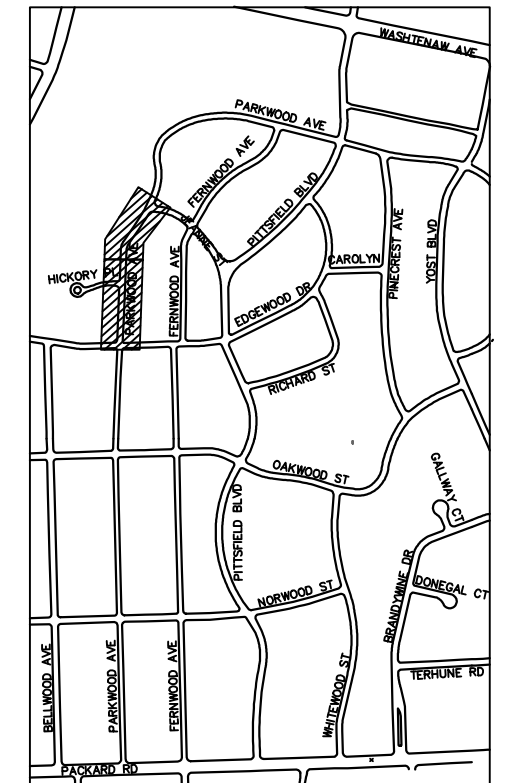
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PARKWOOD AVENUE



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


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
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 PARKWOOD AVENUE
 REMOVAL PLAN (STA 800+00 TO STA 808+00)

SCALE PLAN: 1" = 20'
 DRAWING No. 2022-031-129
 SHEET No. 129 OF 161



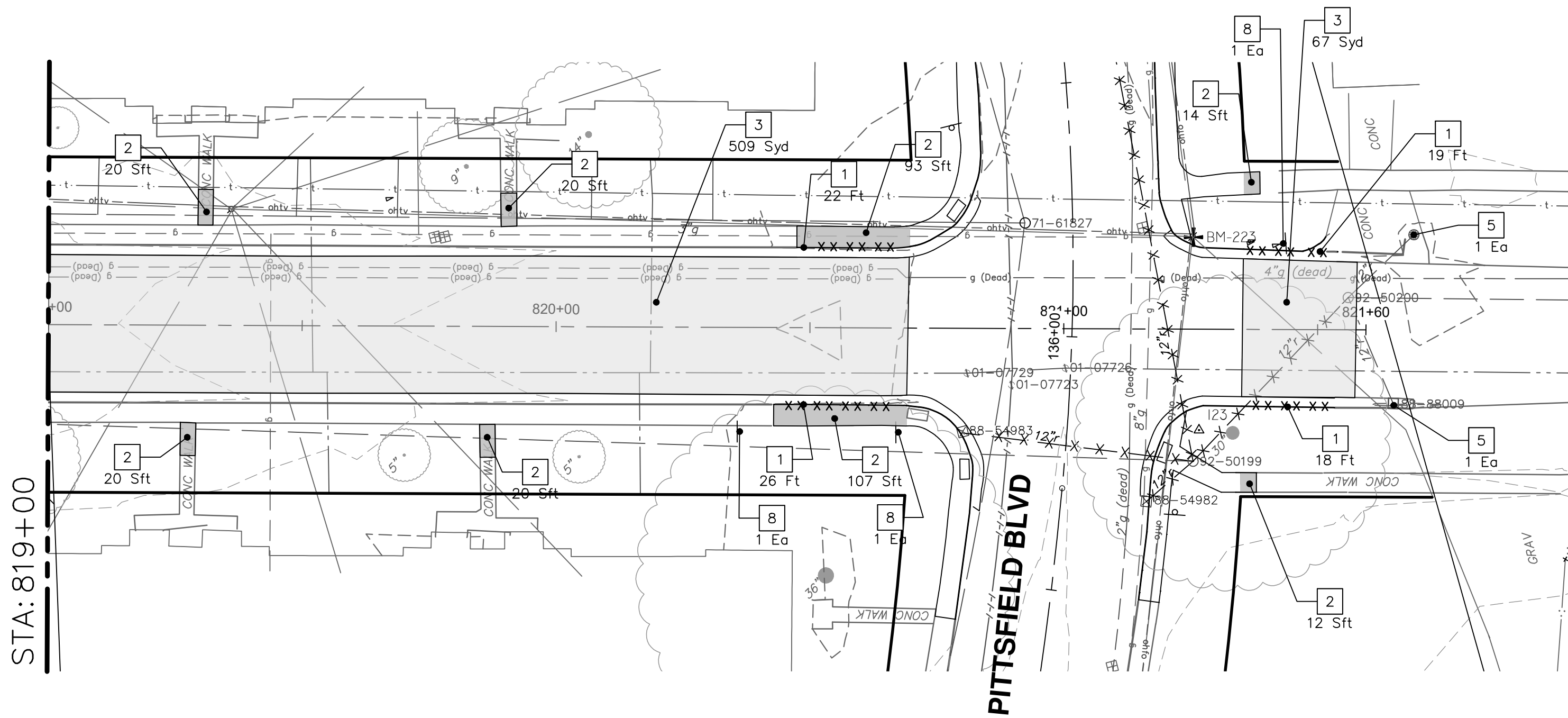
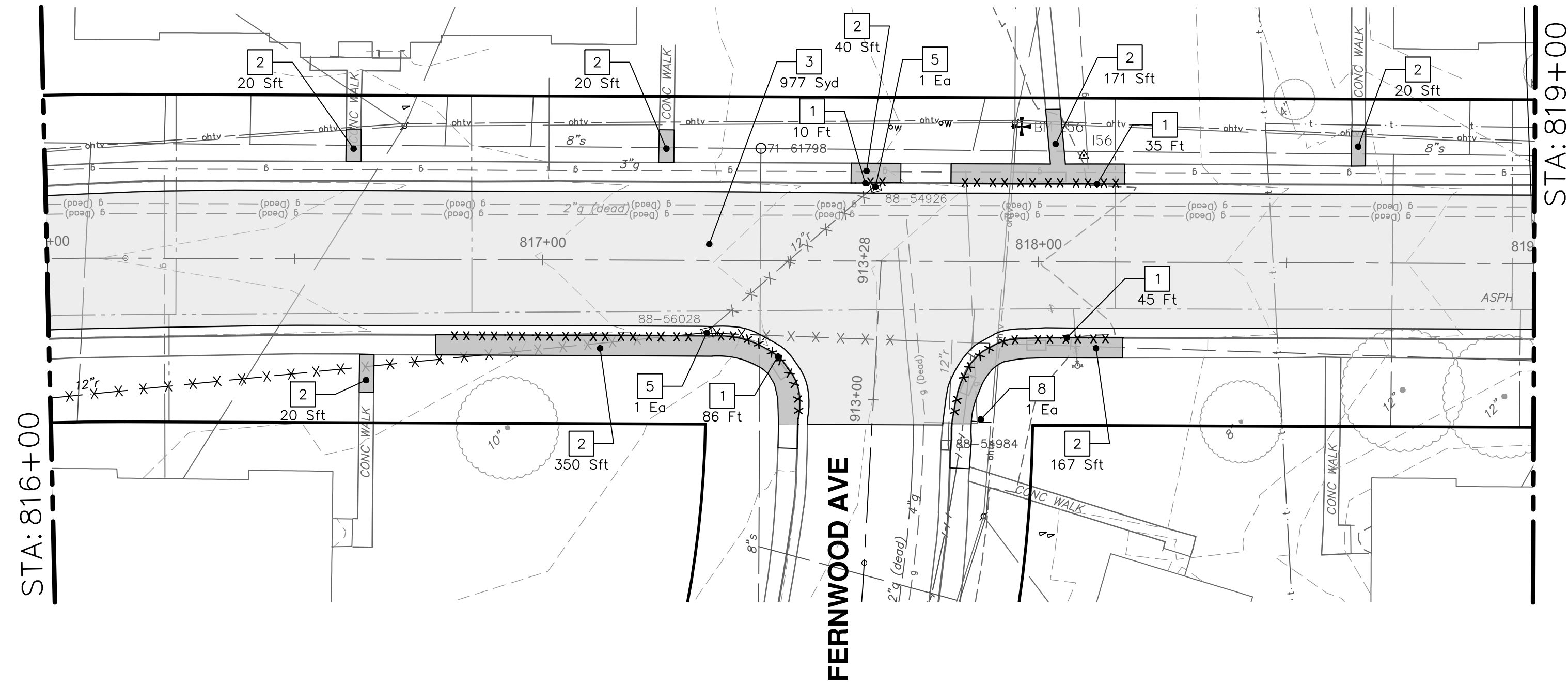
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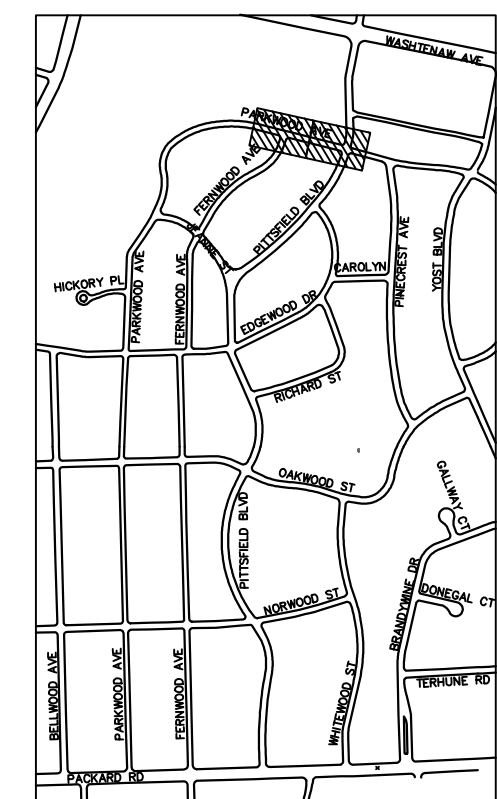
PARKWOOD AVENUE



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:
- 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.
 - UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

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PARKWOOD AVENUE

REMOVAL PLAN (STA 816+00 TO STA 821+50)

SCALE PLAN: 1" = 20'
DRAWING No. 2022-031-131

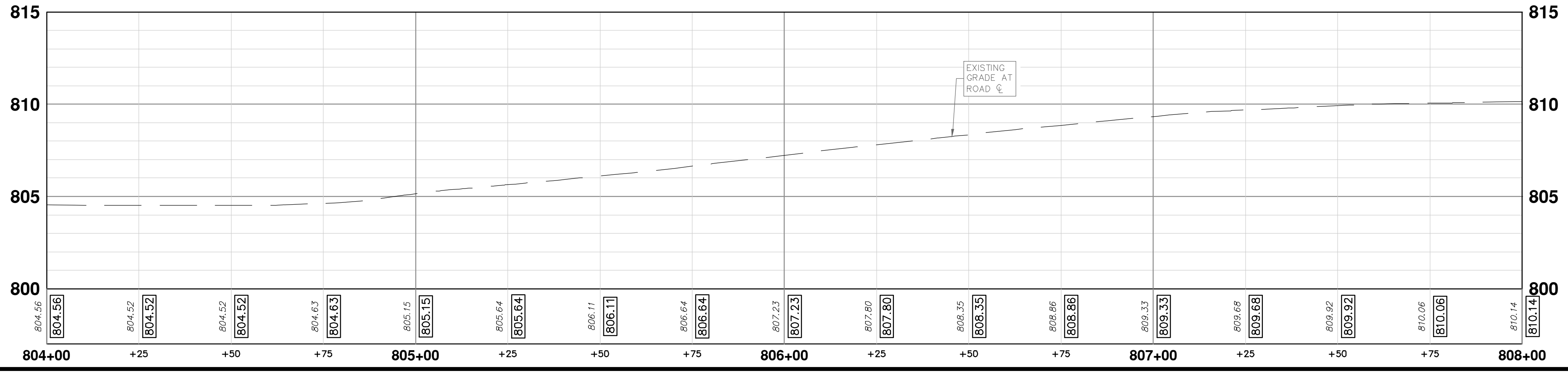
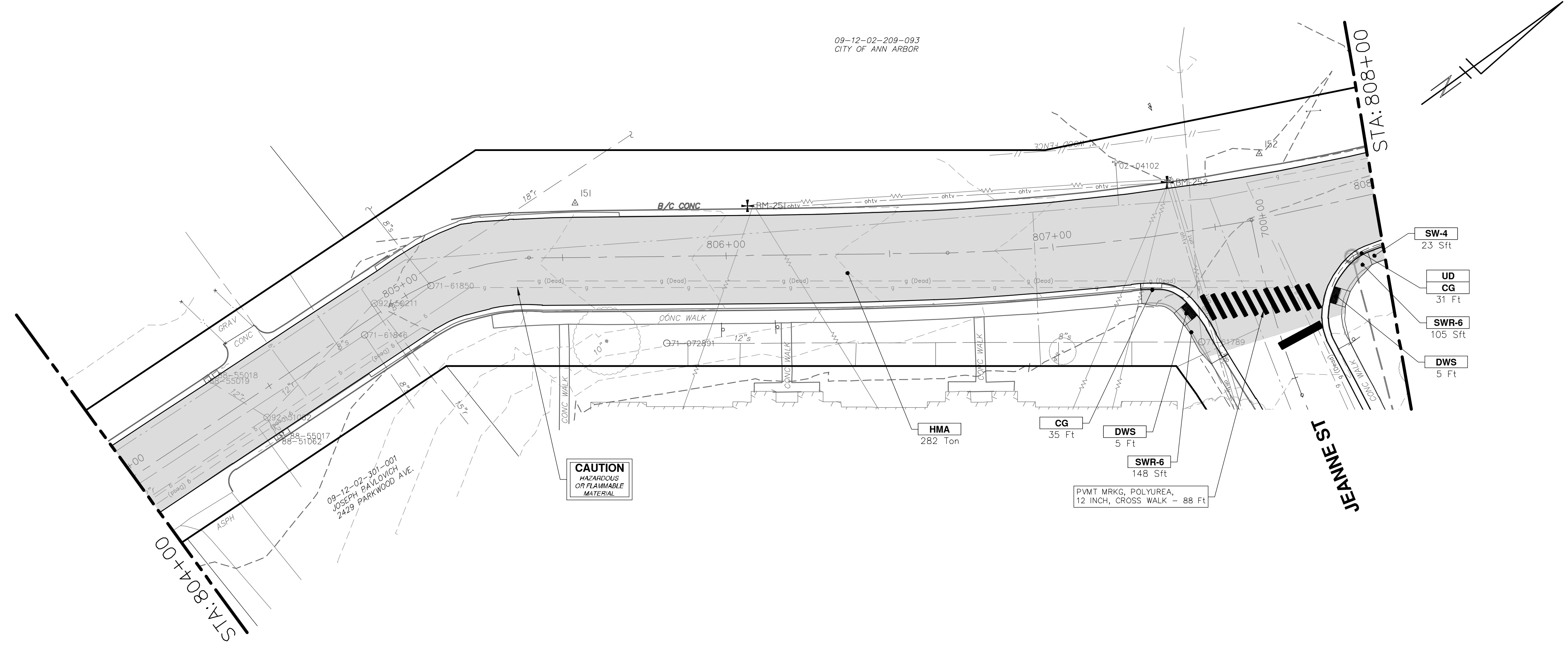
REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			



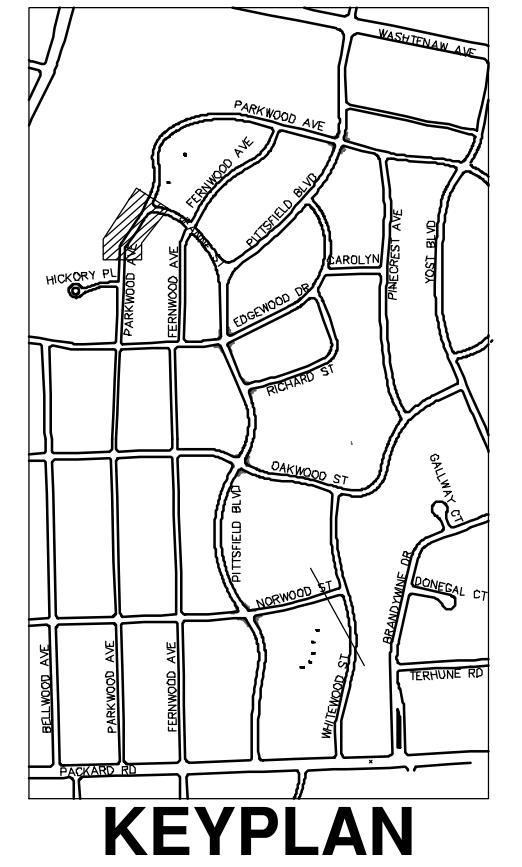
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PARKWOOD AVENUE

09-12-02-209-093
CITY OF ANN ARBOR



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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PITTSFIELD VILLAGE IMPROVEMENTS

PARKWOOD AVENUE

ROAD PLAN (STA 804+00 TO STA 808+00)

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

DRAWING No. **2022-031-133**

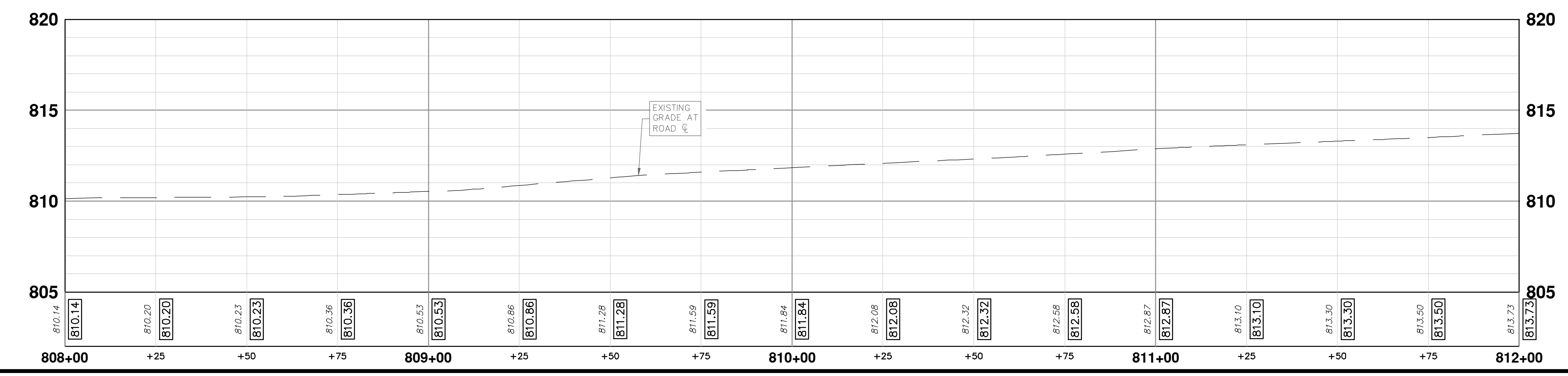
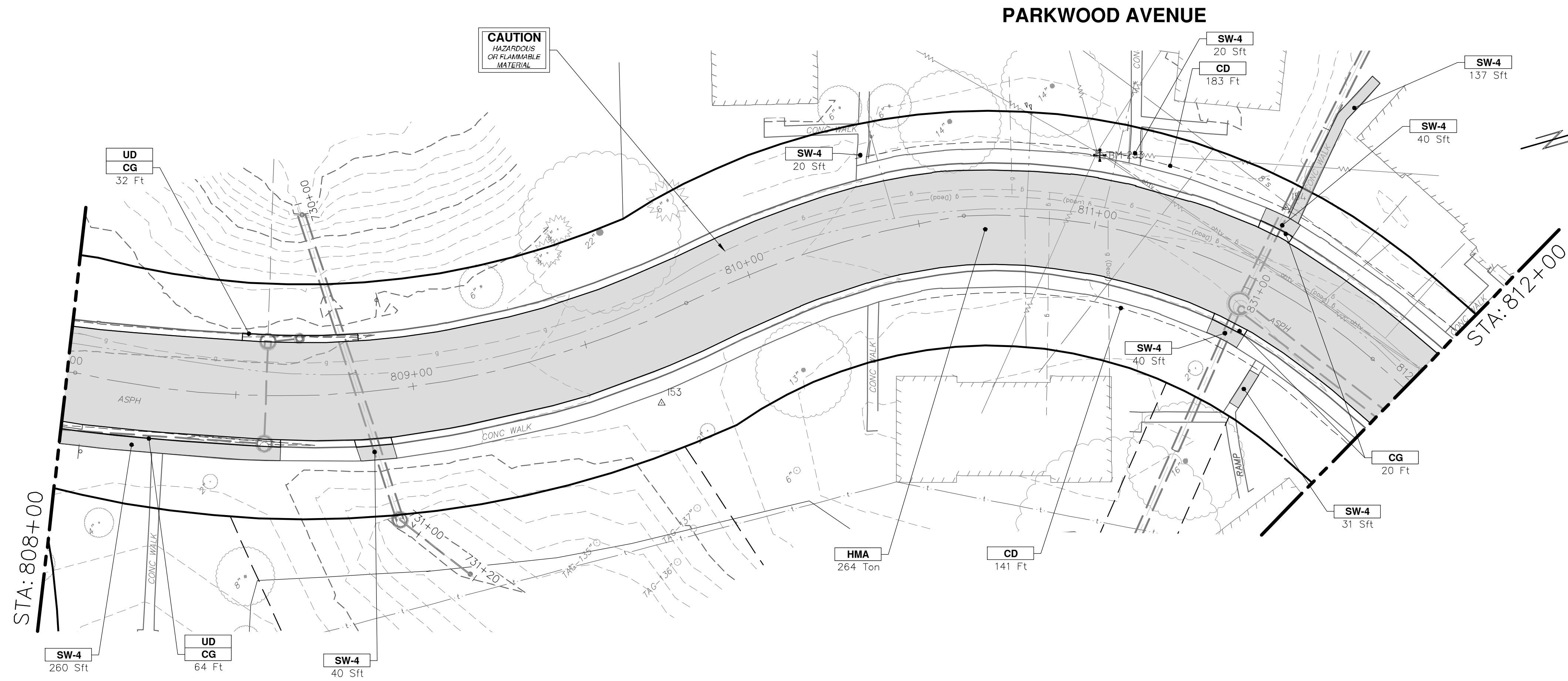
SHEET No. **133 OF 161**

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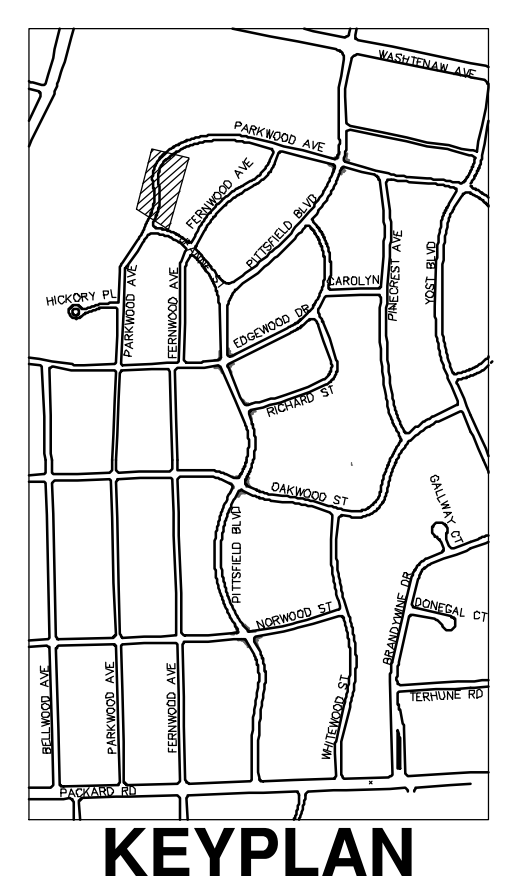
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CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, 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

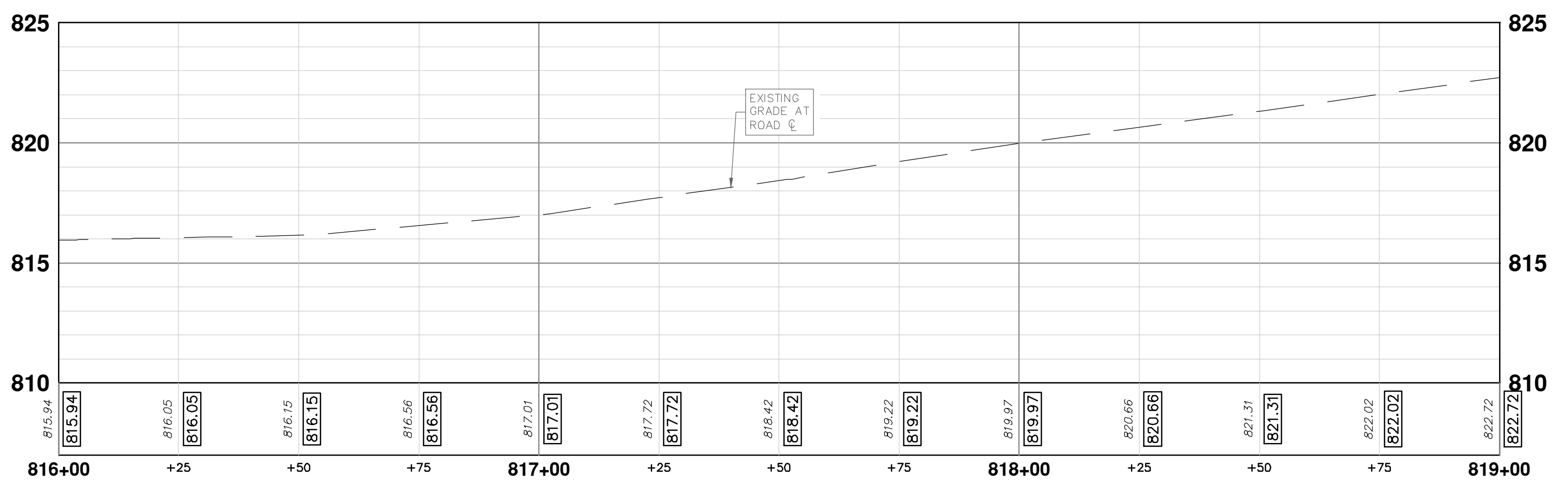
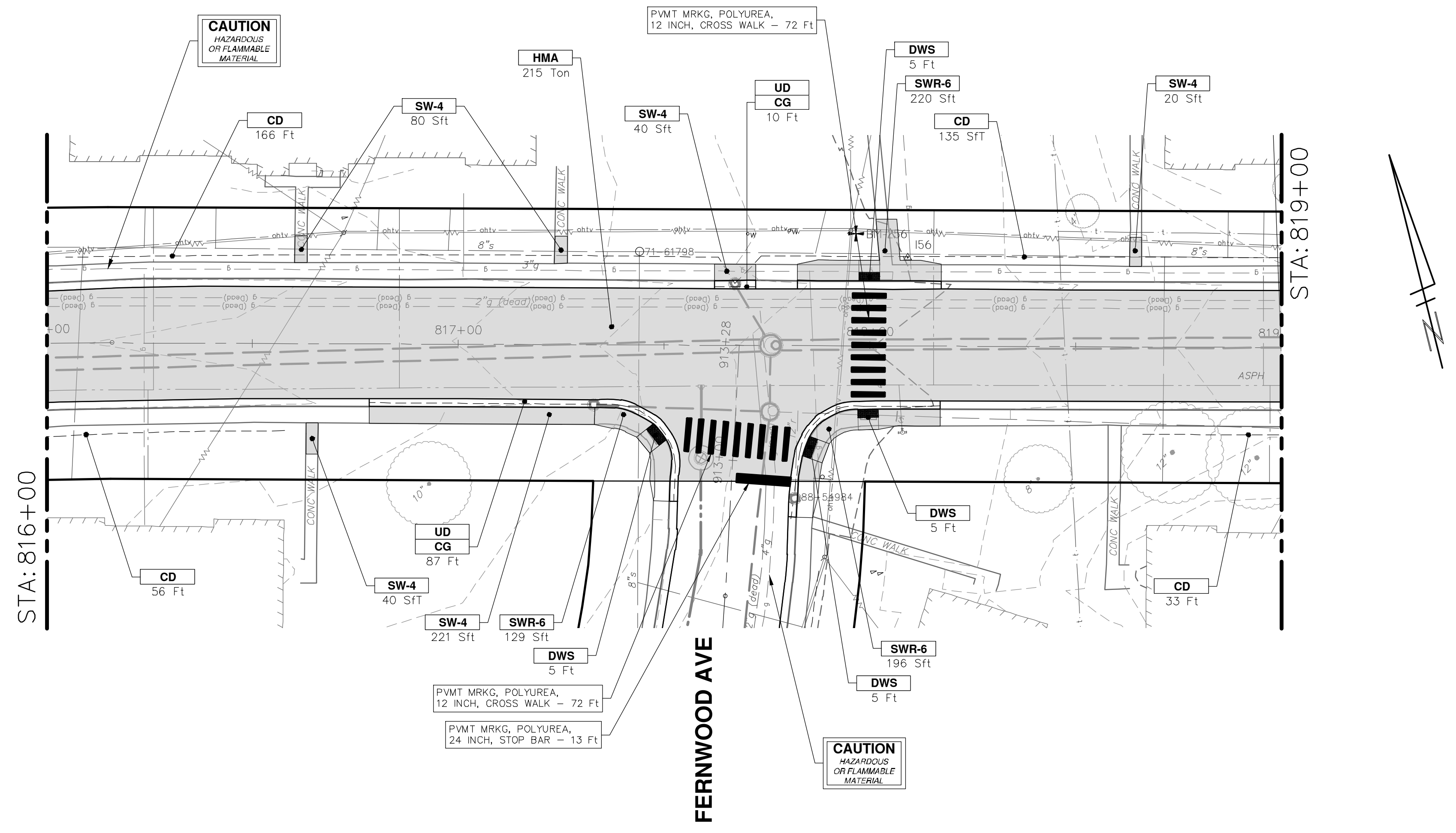
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 PARKWOOD AVENUE
 ROAD PLAN (STA 808+00 TO STA 812+00)

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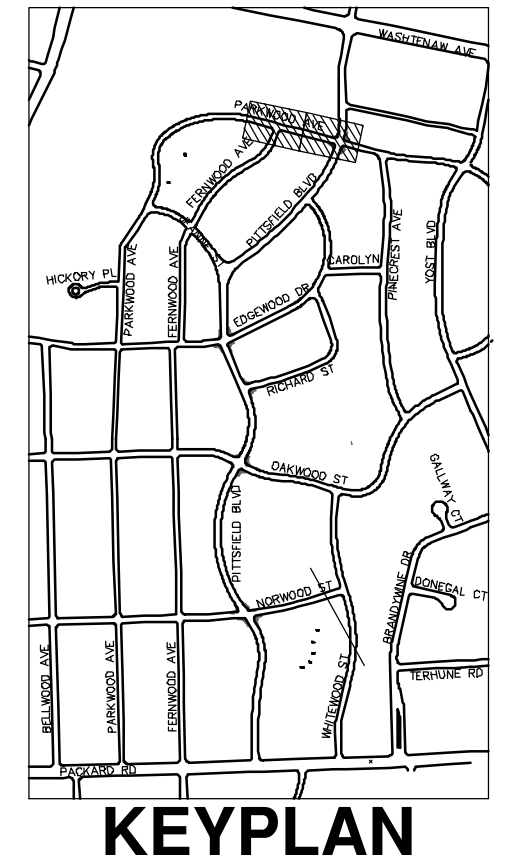
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 PROFILE: 1" = 4'
 DRAWING No.: 2022-031-134
 SHEET No.: 134 OF 161

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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



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. **2022-031-136**

SHEET No. **136 OF 161**

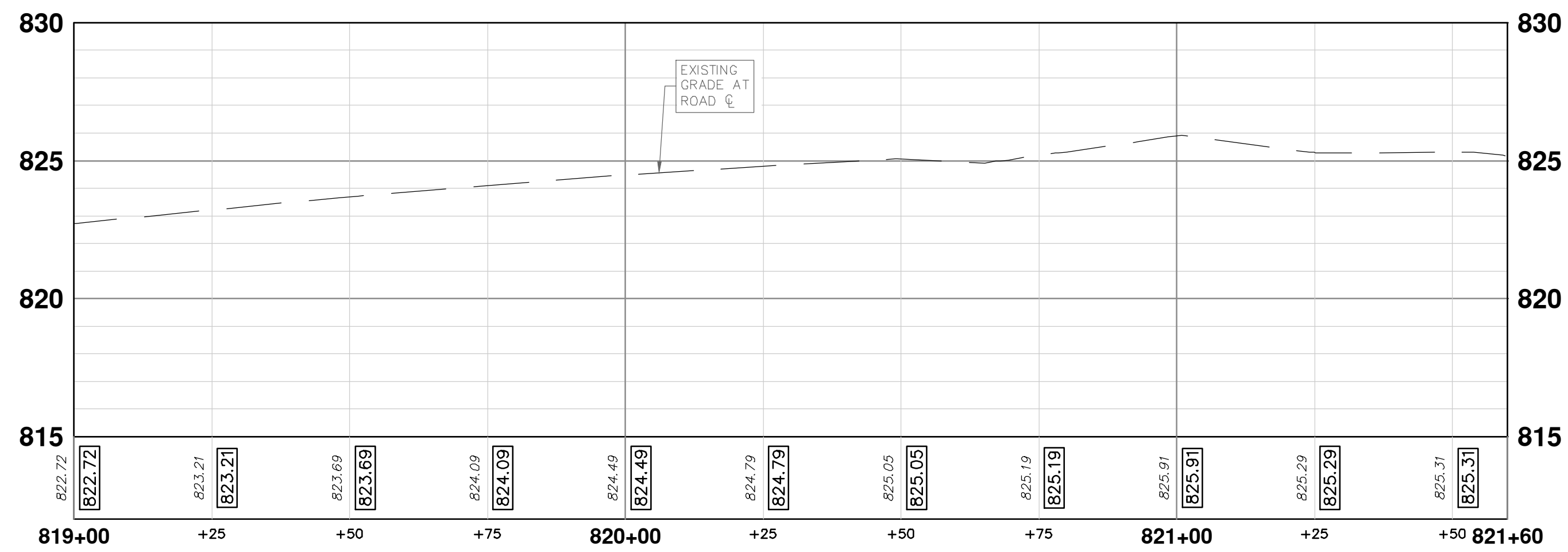
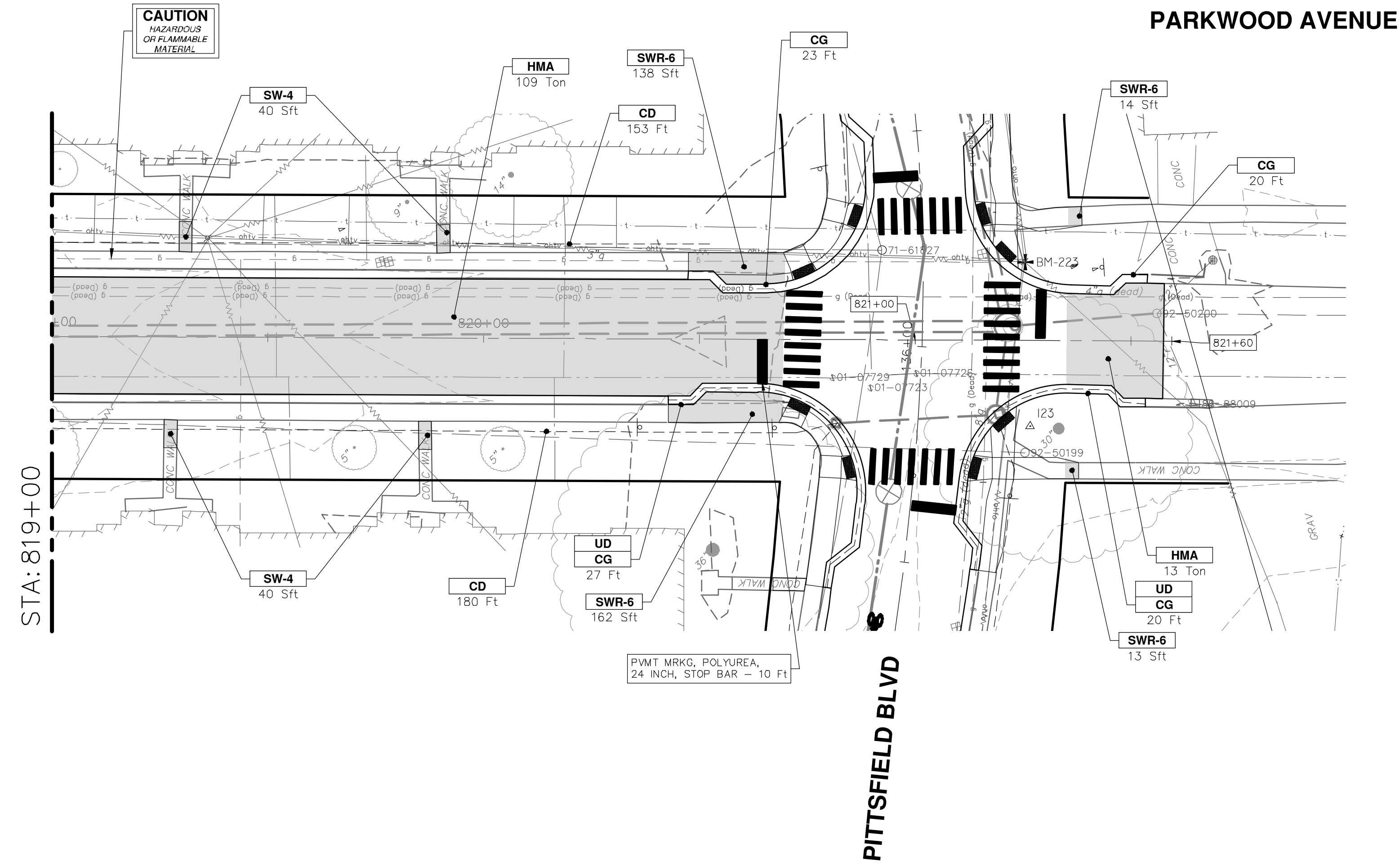


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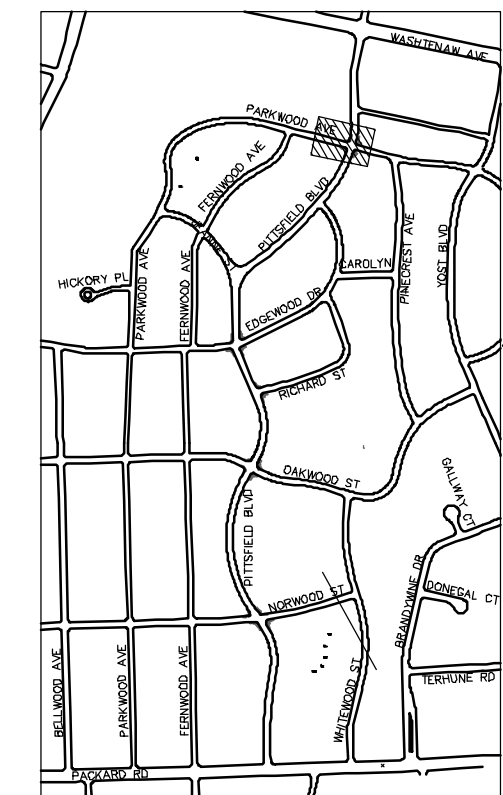
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CONSTRUCTION KEY	
KEY	DESCRIPTION
ABM	ADJUST MONUMENT BOX OR GATE VALVE BOX
ASC	ADJUST STRUCTURE COVER
CD	6 INCH CURB DRAIN, HDPE DR17
CG	CURB AND GUTTER, CONCRETE, F4, SPECIAL
C-8	8 INCH CONCRETE PAVEMENT
DSC	STRUCTURE COVER
DWS	DETECTABLE WARNING, 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



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. **2022-031-137**

SHEET No. **137 OF 161**

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			SM	CE

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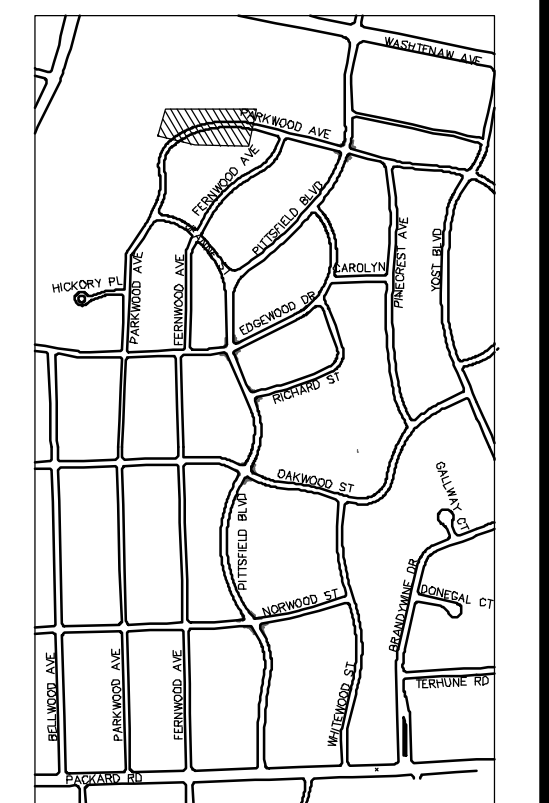
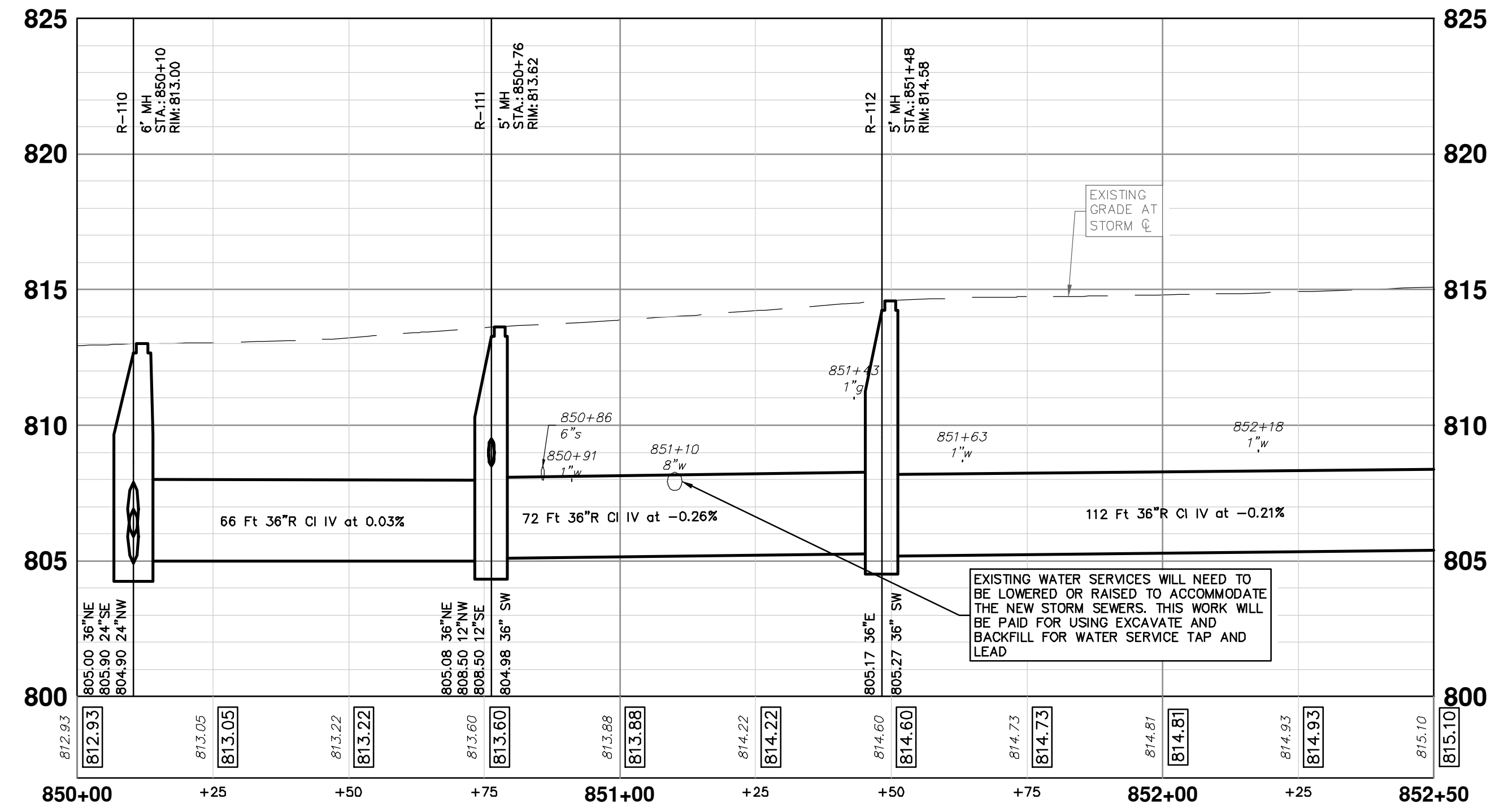
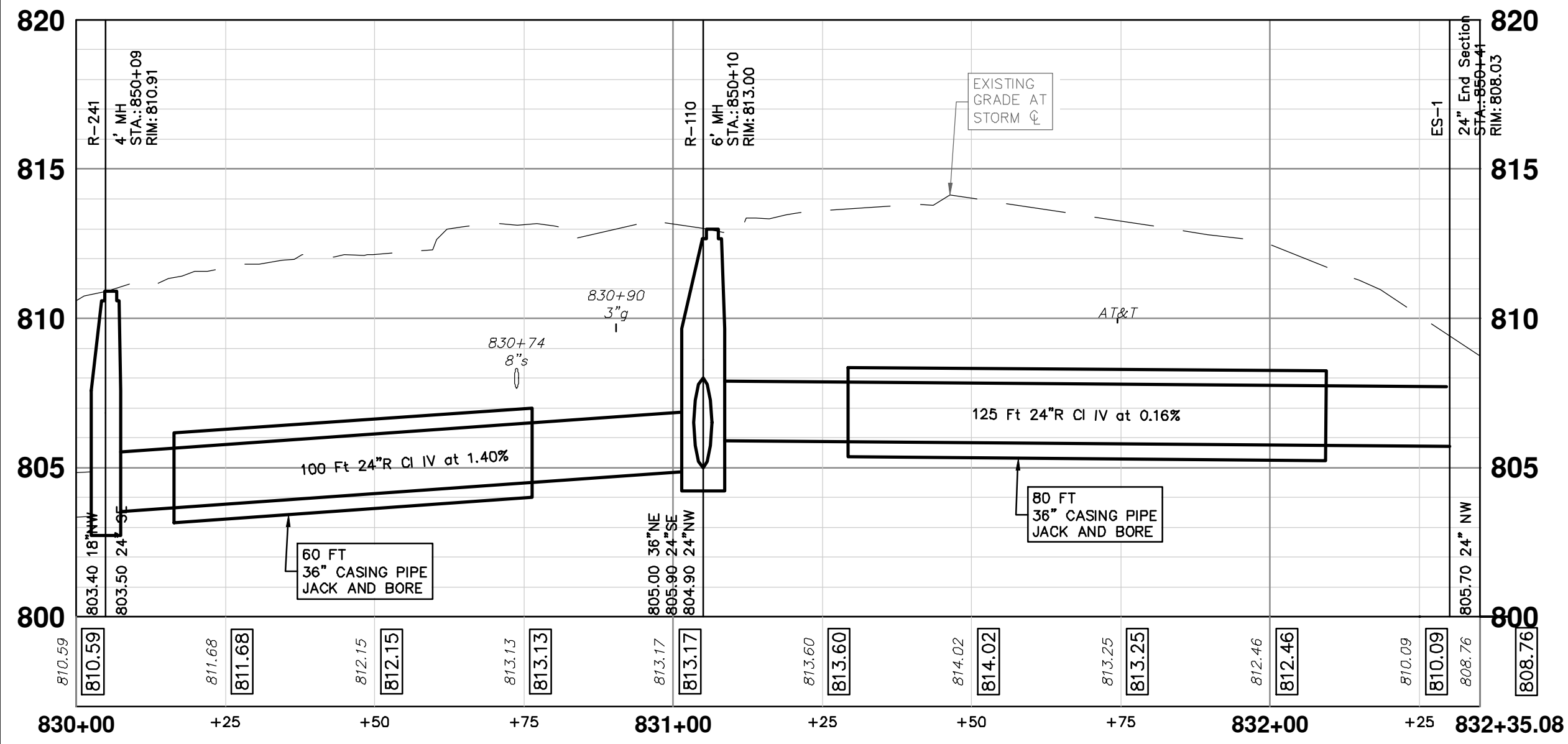
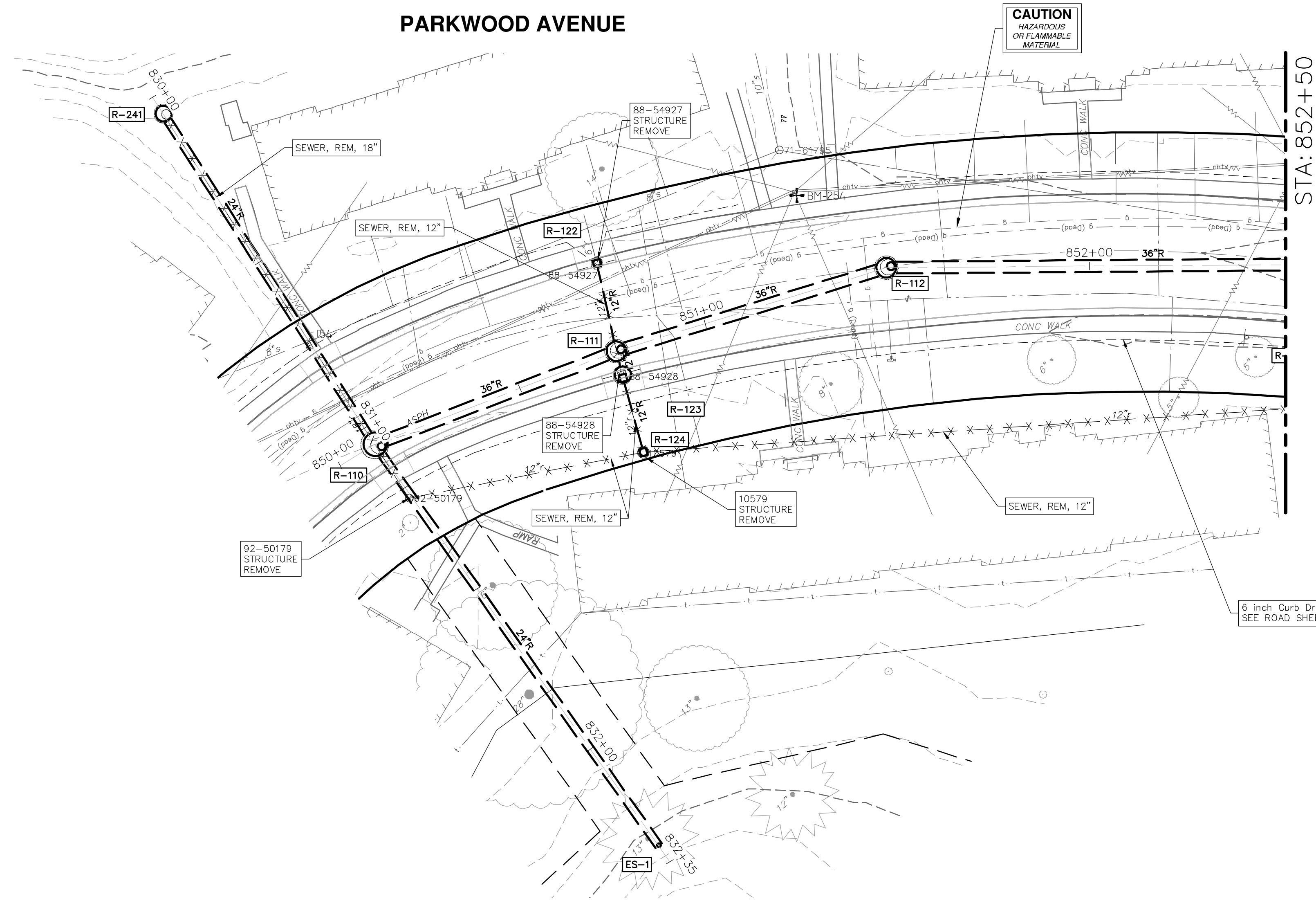
CITY OF ANN ARBOR MICHIGAN

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: 18-Dec-24

STORM SEWER STRUCTURE TABLE							
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP	
R-110	850+10	6' MH	813.00	36" NE 805.00 24" SE 805.90 24" NW 804.90	8.10	0'	
R-111	850+76	5' MH	813.62	36" SW 804.98 36" NE 805.08 12" NW 808.50 12" SE 808.50	8.64	0'	
R-112	851+48	5' MH	814.58	36" SW 805.27 36" E 805.17	9.41	0'	
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



REV.	DATE	DESCRIPTION
00	BID SET	
01	12-19-2024	

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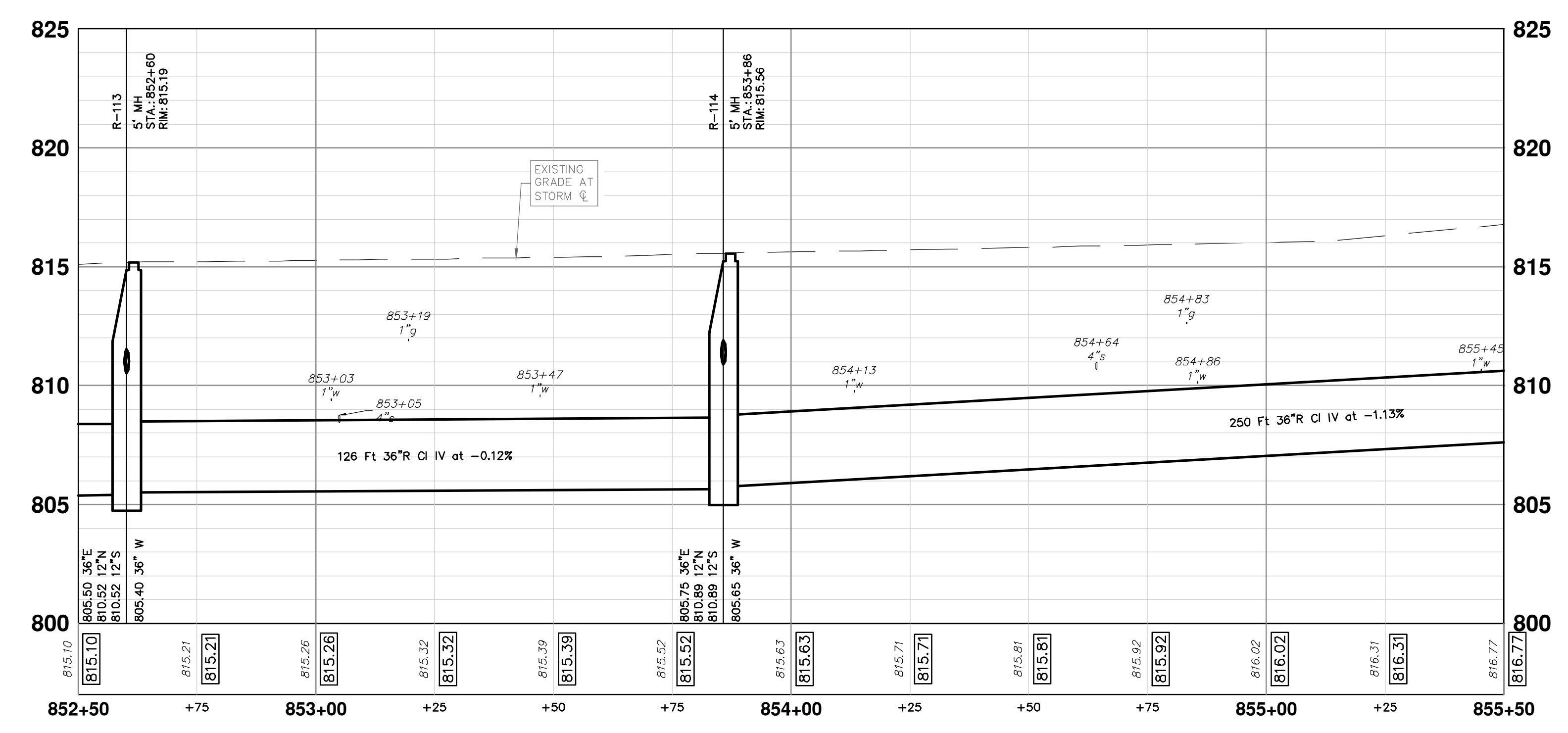
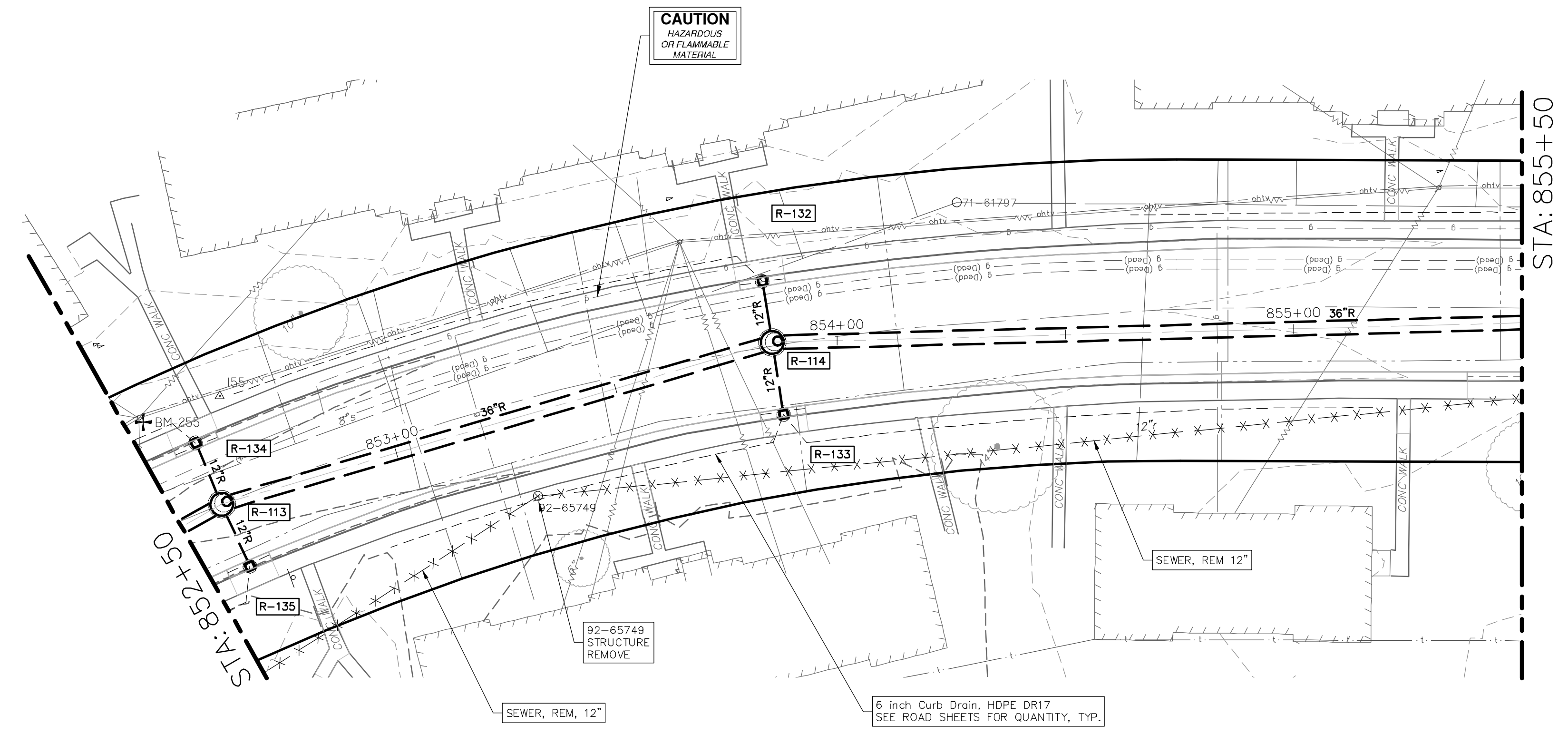


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
PARKWOOD AVENUE
STORM SEWER PLAN (STA 850+00 TO STA 852+50)

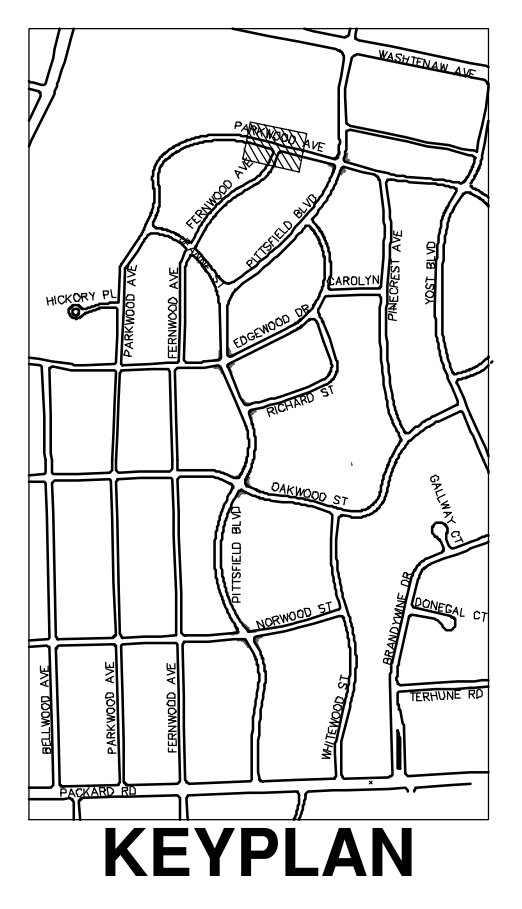
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No. 2022-031-138
SHEET No. 138 OF 161

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050PARKWOOD_STM.dwg Dwg Created: 10-Dec-24 --_a2_standard_bw.stb -- Plot Date: 18-Dec-24

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 805.40 36" E 805.50 12" N 810.52 12" S 810.52	9.79	0'
R-114	853+86	5' MH	815.56	36" W 805.65 36" E 805.75 12" N 810.89 12" S 810.89	9.91	0'
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'



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
 PARKWOOD AVENUE
 STORM SEWER PLAN (STA 852+50 TO 855+50)

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

DRAWING No. **2022-031-139**

SHEET No. **139 OF 161**

811
 Know what's below.
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REV. DESCRIPTION DATE DRAWN CHECKED

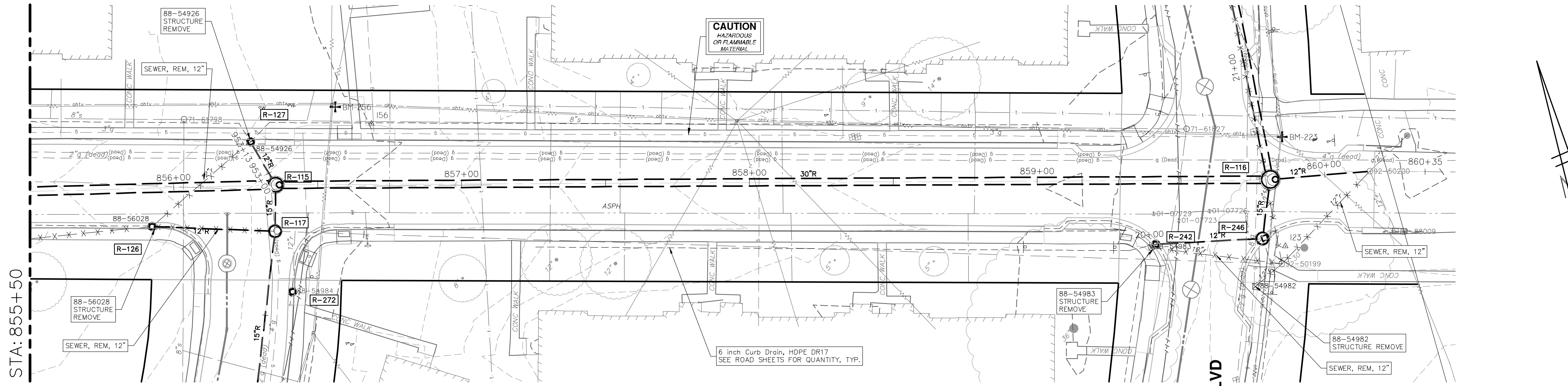
OD BID SET SM CE
 REV. DATE DESCRIPTION

12-19-2024 SM DRAWN CE

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CITY OF ANN ARBOR MICHIGAN

PARKWOOD AVENUE



STA: 855+50

FERNWOOD AVE

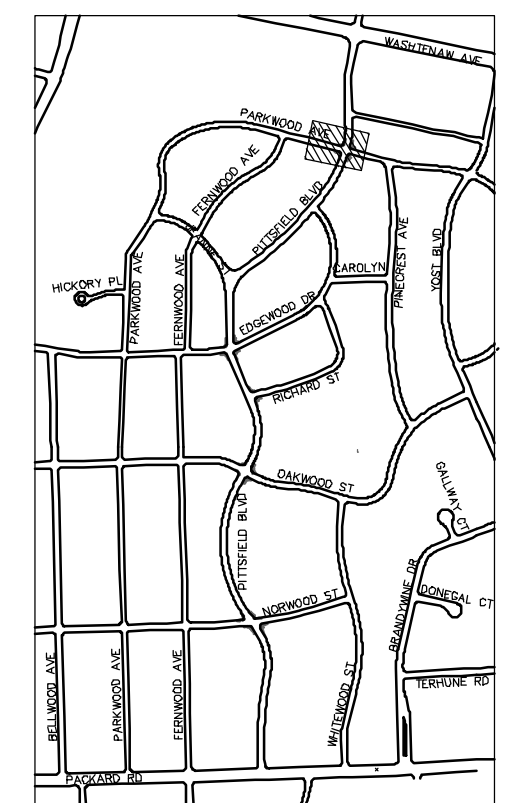
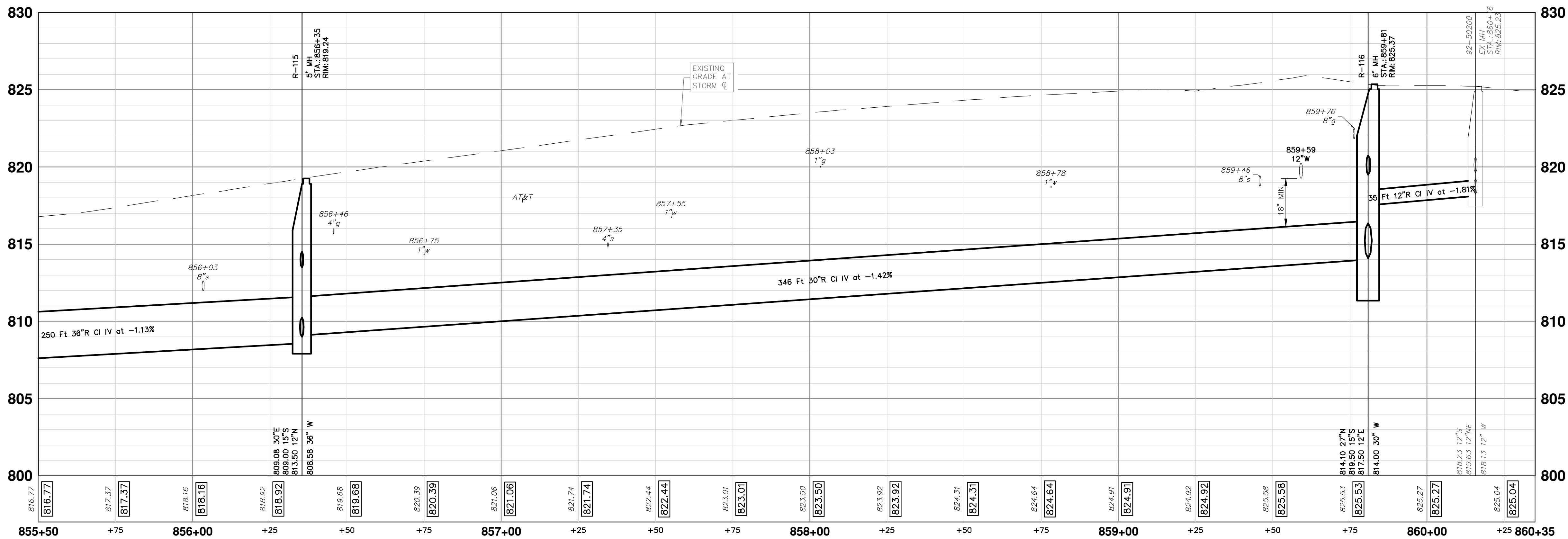
PITTSFIELD BLVD

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	10.66	0'
R-117	952+79	4' MH	819.18	12" E 809.75 15" N 809.06 15" S 809.16 12" W 812.00	10.12	0'
R-126	855+92	2' Inlet	817.36	12" E 812.96	4.40	0'
R-127	953+13	2' Inlet	818.37	12" S 813.87	6.50	2'
R-272	952+59	2' Inlet	819.00		4.00	2'

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'
R-116	859+81	6' MH	825.37	30" W 814.00 27" N 814.10 15" S 819.50 12" E 817.50	13.37	2'
R-242	859+41	2' Inlet	825.15	12" E 822.54	2.61	0'
R-246	20+39	4' Inlet	825.38	15" N 819.91 12" W 820.70	7.47	2'

CAUTION
HAZARDOUS
OF FLAMMABLE
MATERIAL

6 inch Curb Drain, HDPE DR17
SEE ROAD SHEETS FOR QUANTITY, TYP.



KEYPLAN



REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			
01					

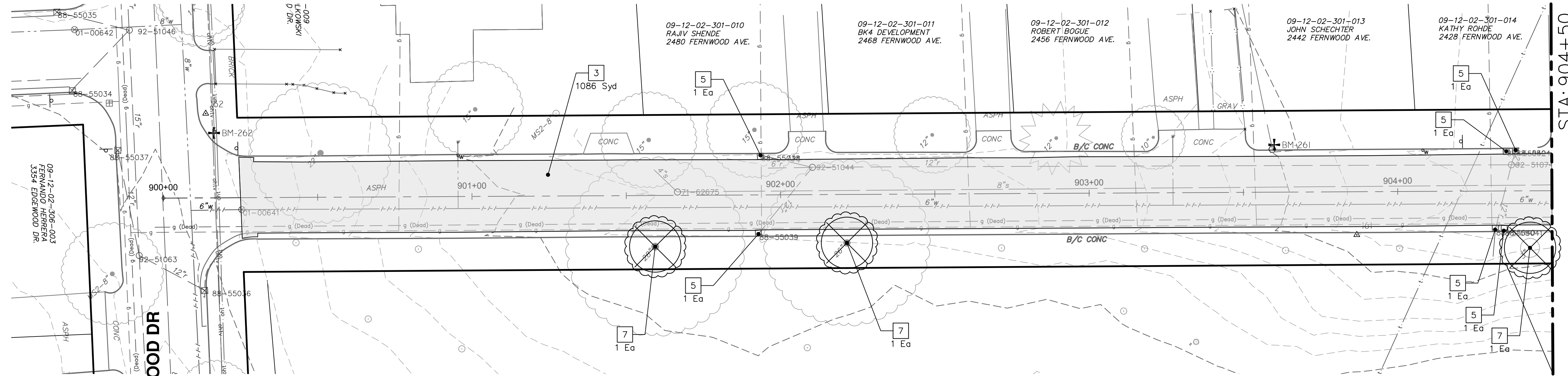
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ANN ARBOR FAX 734-794-4410
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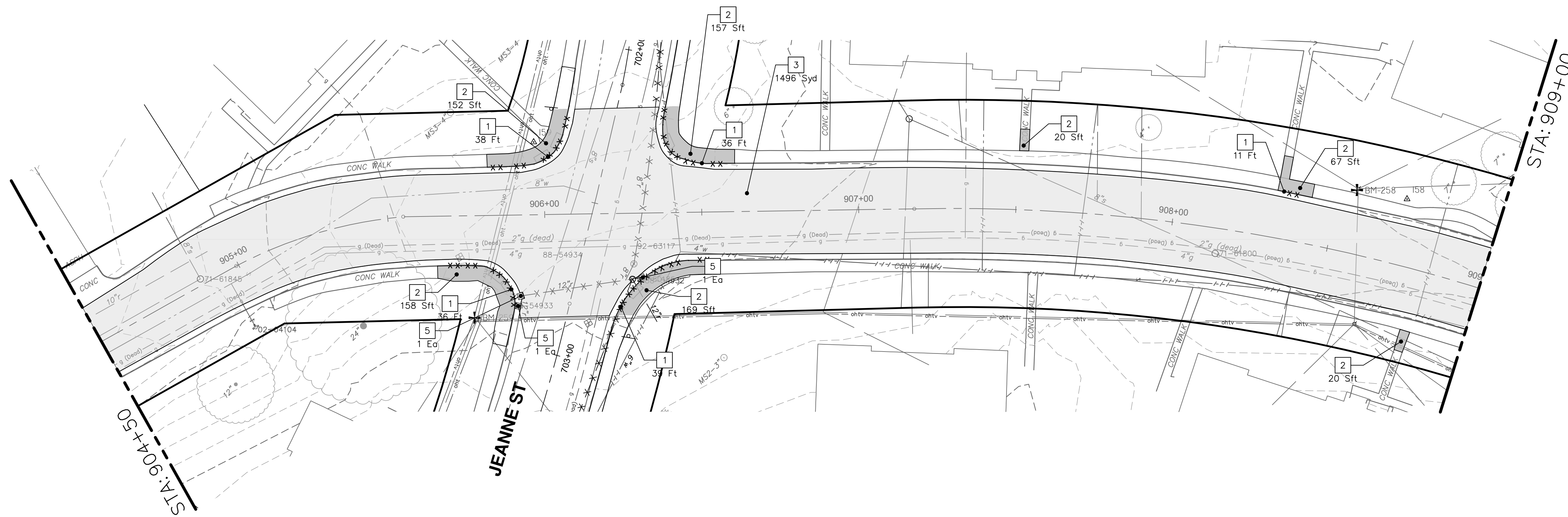
CITY OF ANN ARBOR - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
PARKWOOD AVENUE
STORM SEWER PLAN (STA 855+50 TO STA 860+00)

SCALE PLAN: 1" = 20'
PROFILE: 1" = 4'
DRAWING No.: 2022-031-140

FERNWOOD AVENUE



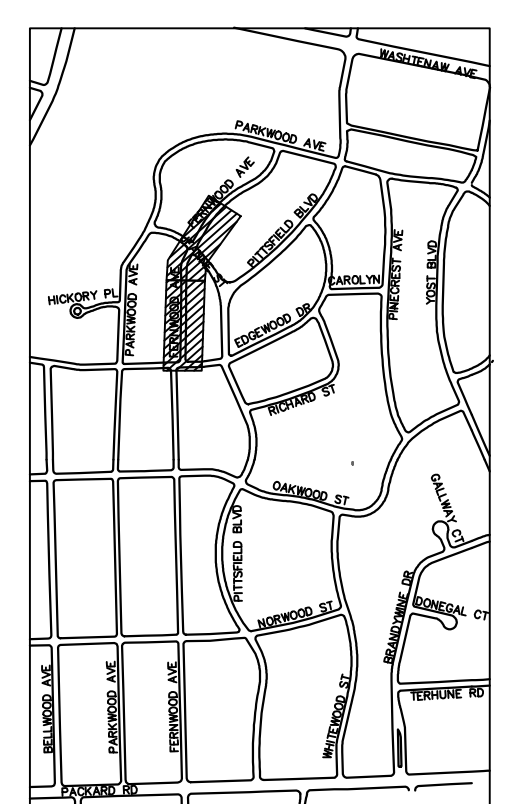
STA: 904+50



STA: 909+00

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
 FERNWOOD AVENUE
 REMOVAL PLAN (STA 900+00 TO STA 909+00)

SCALE PLAN: 1" = 20'
 DRAWING No. 2022-031-141

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00	BID SET	12-19-2024	SM	CE

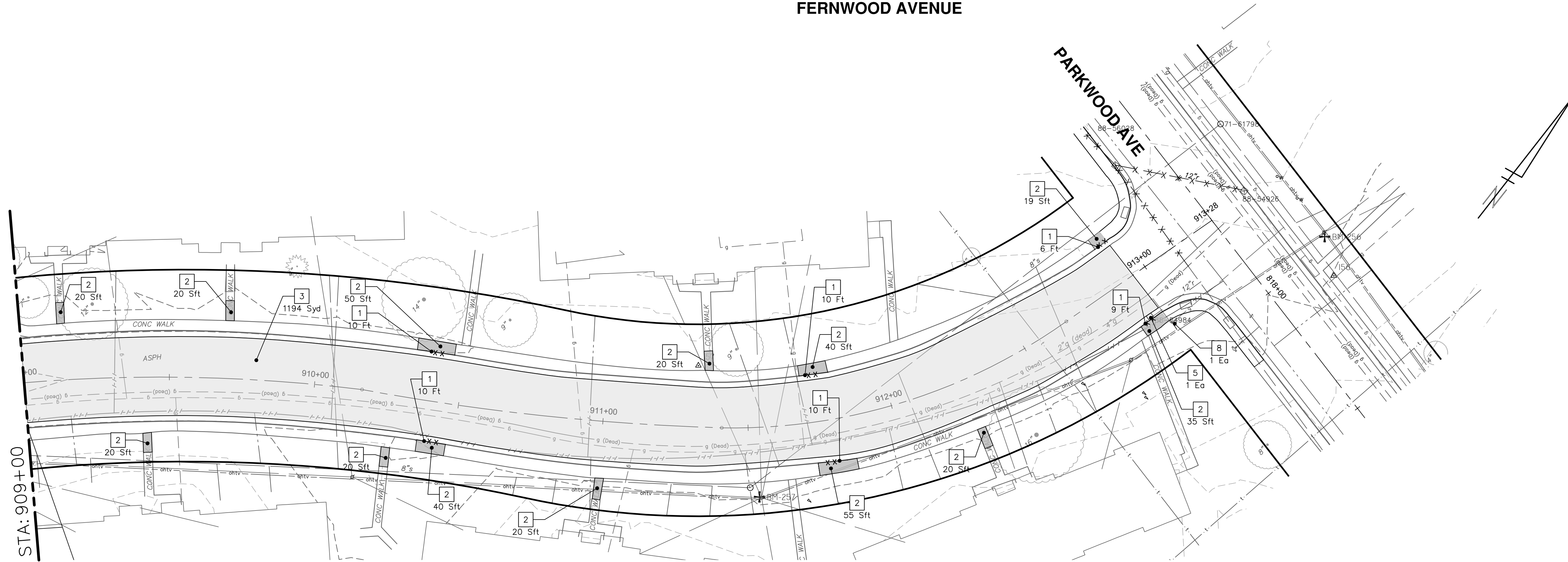
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CITY OF ANN ARBOR MICHIGAN

SHEET No. 141 OF 161

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Removal\230050FERNWOOD_REM.dwg Dwg Created: 31-Oct-24 - _a2_standard bw.stb - Plot Date: 18-Dec-24

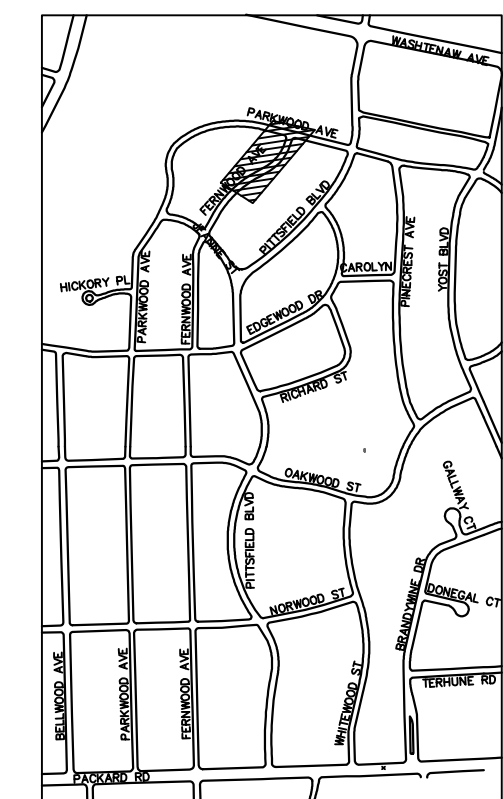
FERNWOOD AVENUE



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:
- 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.
 - UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).



KEYPLAN

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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)

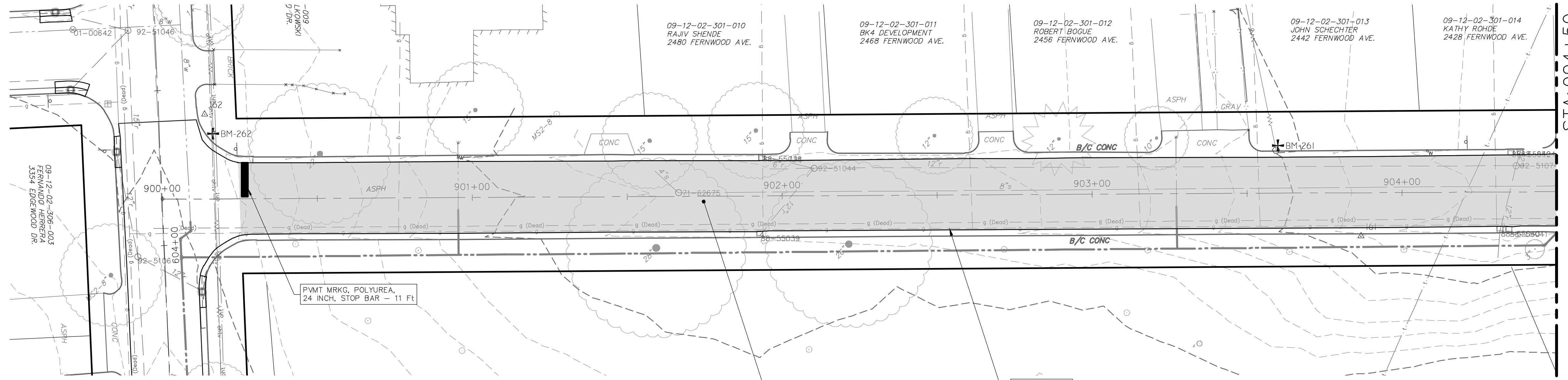
SCALE 1" = 20'
DRAWING No. 2022-031-142

SHEET No.



REV.	DESCRIPTION	DATE	SM	CE	CHECKED
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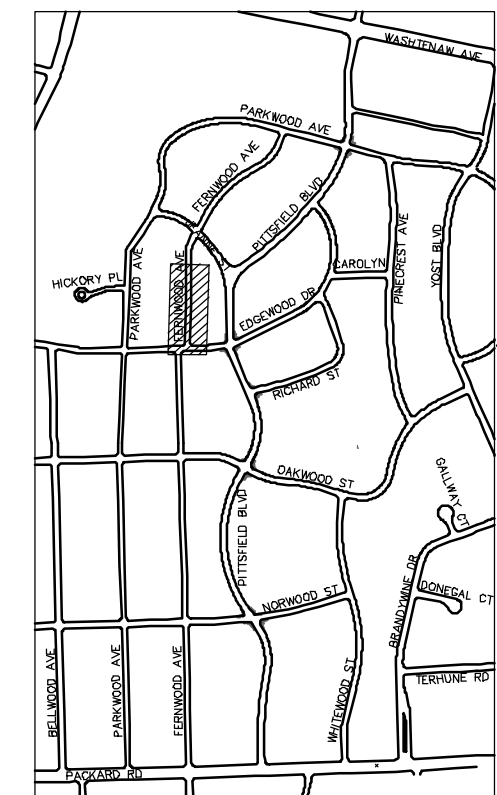
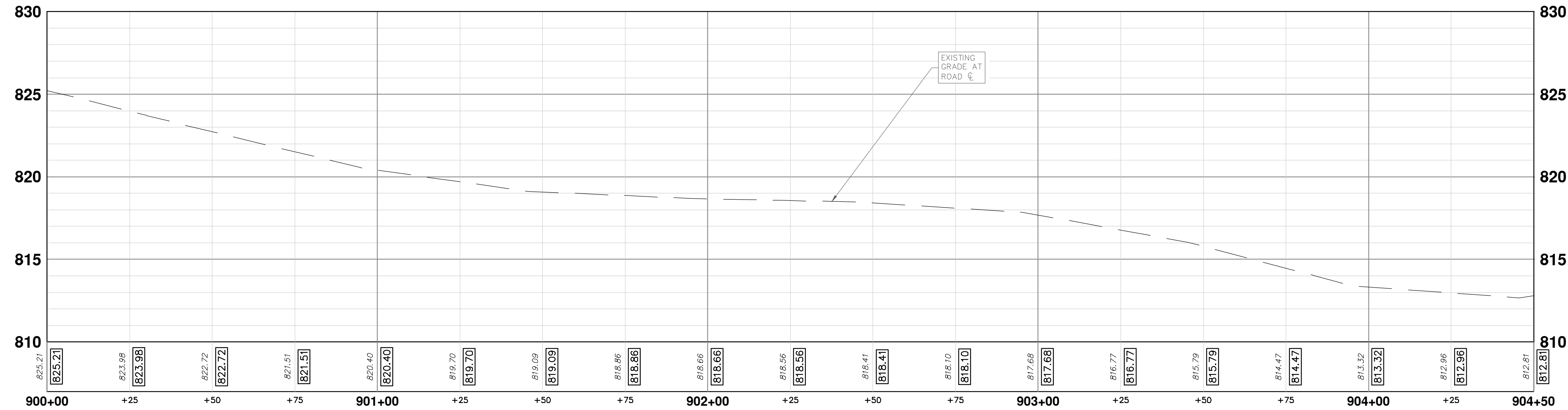
FERNWOOD AVENUE



EDGEWOOD DR

STA: 904+50

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 - 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. **2022-031-143**

SHEET No. **143 OF 161**



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ANN ARBOR PHONE: 734-794-4410
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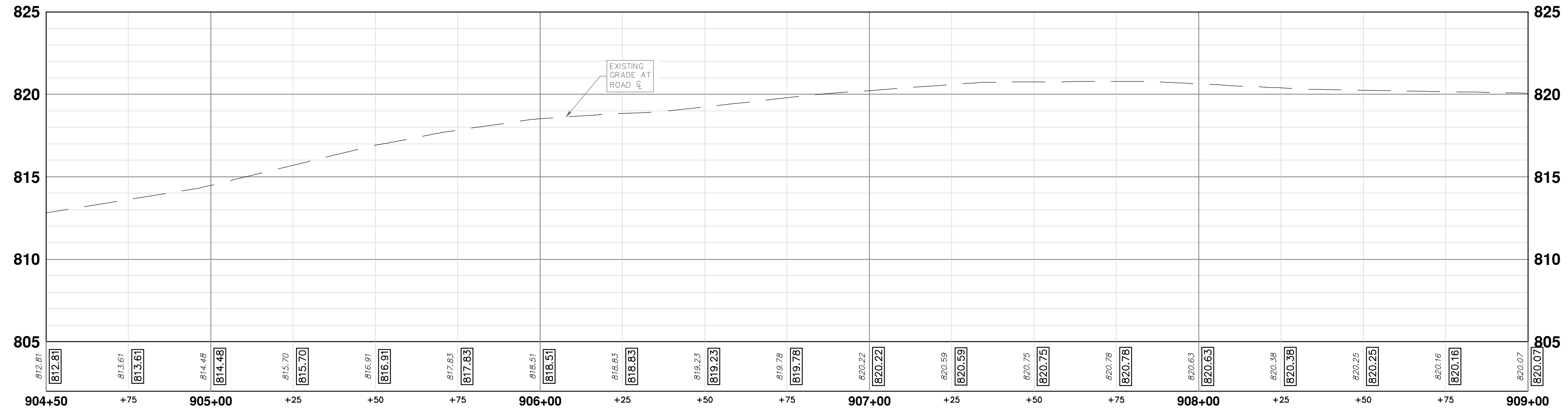
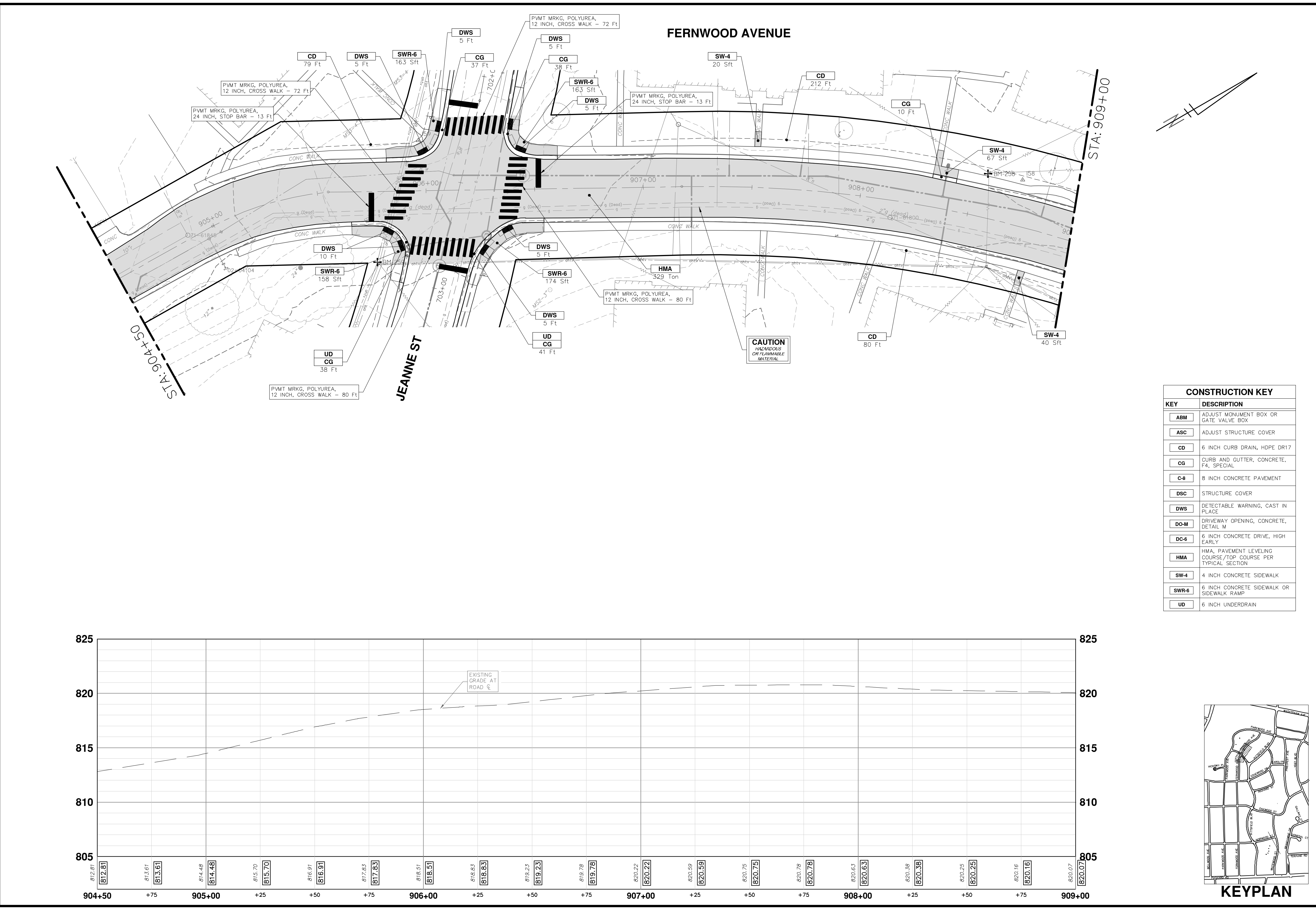
REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-19-2024			



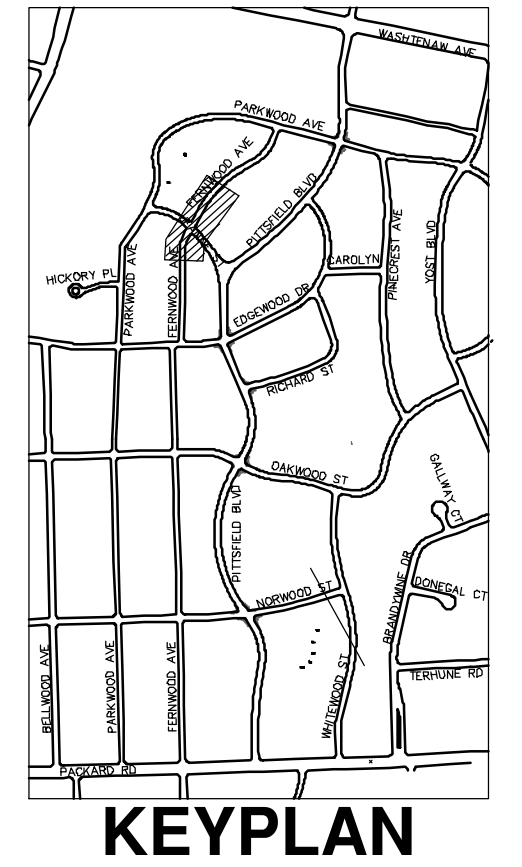
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P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_CON.dwg Dwg Created: 17-Dec-24 - _02_standard bw.stb - Plot Date: 18-Dec-24

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERWOOD_CON.dwg Dwg Created: 17-Dec-24 - _02_standard bw.stb - Plot Date: 19-Dec-24



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
FERNWOOD AVENUE
ROAD PLAN (STA 904+50 TO STA 909+00)

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

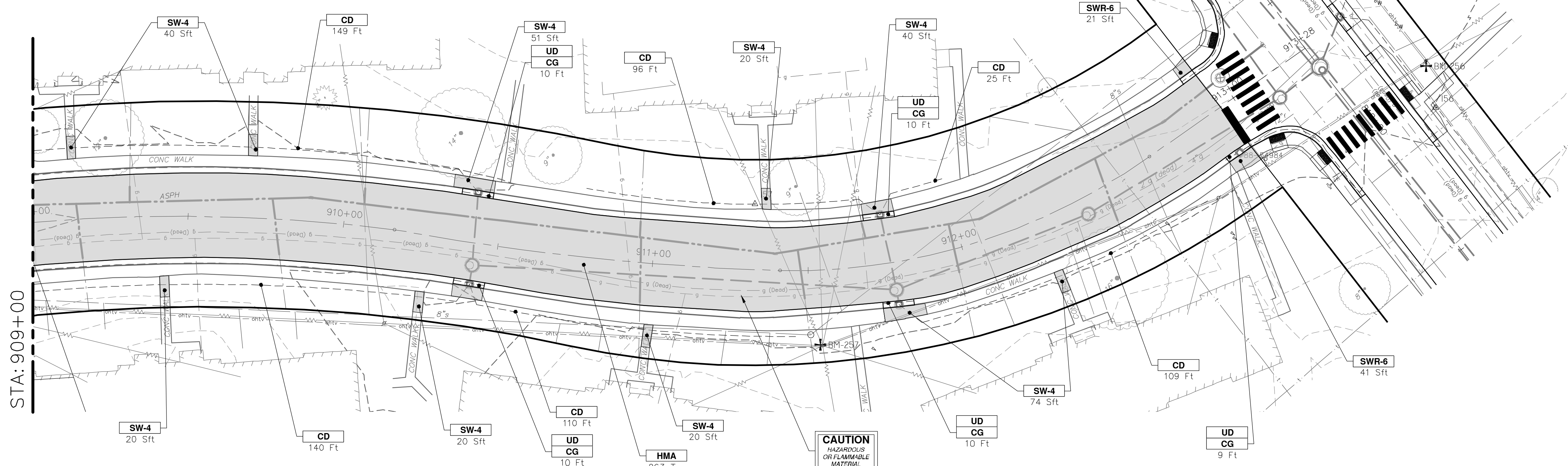
DRAWING No. 2022-031-144

SHEET No. 144 OF 161

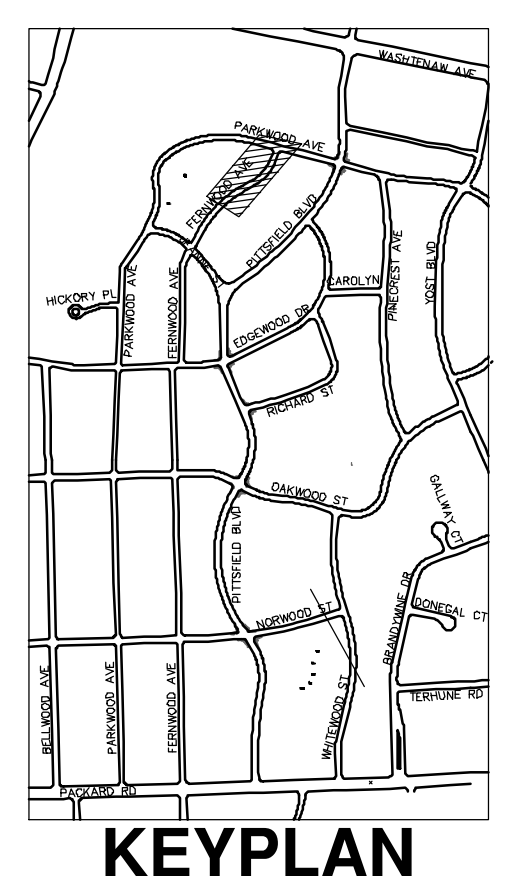
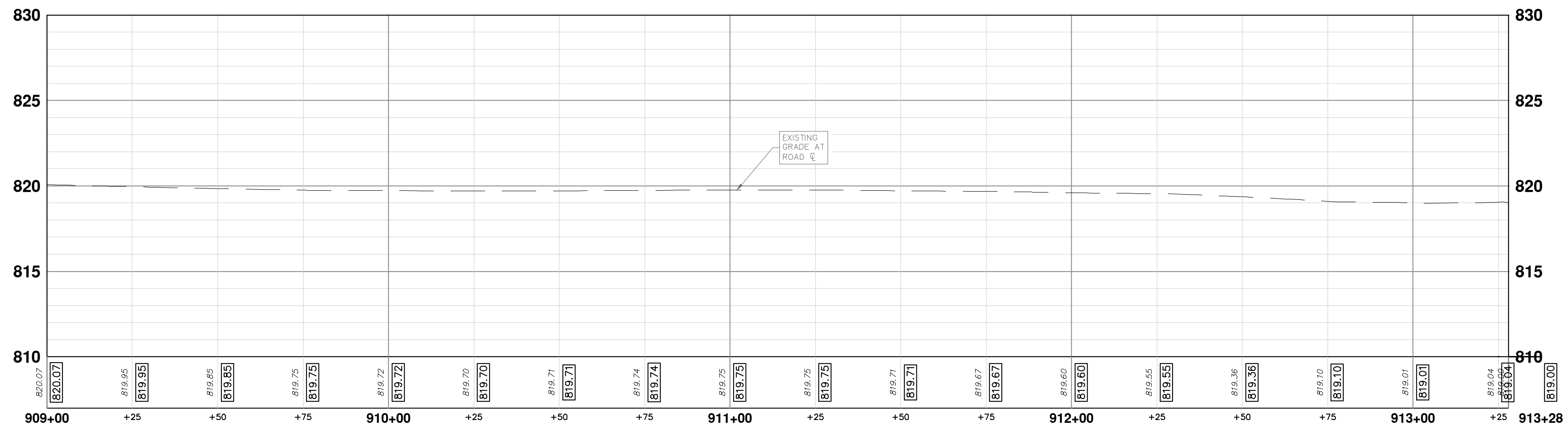
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FERNWOOD AVENUE

PARKWOOD 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



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. **2022-031-145**
 SHEET No. **145 OF 161**

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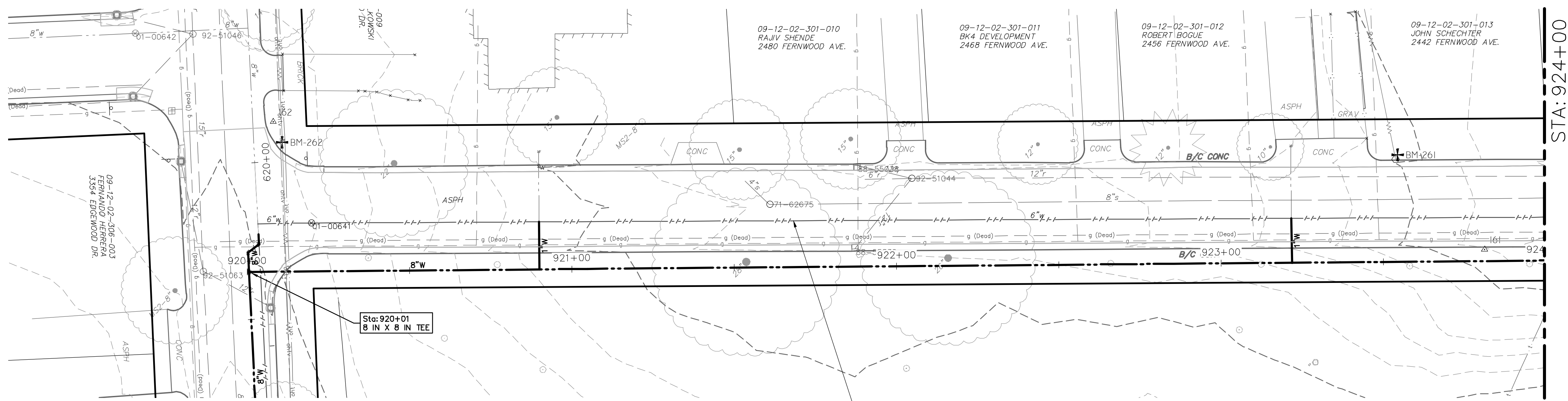
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REV. DESCRIPTION DATE DRAWN CHECKED

00 BID SET 12-19-2024 SM CE

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050FERNWOOD_WM.dwg Dwg Created: 19-Nov-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

FERNWOOD AVENUE

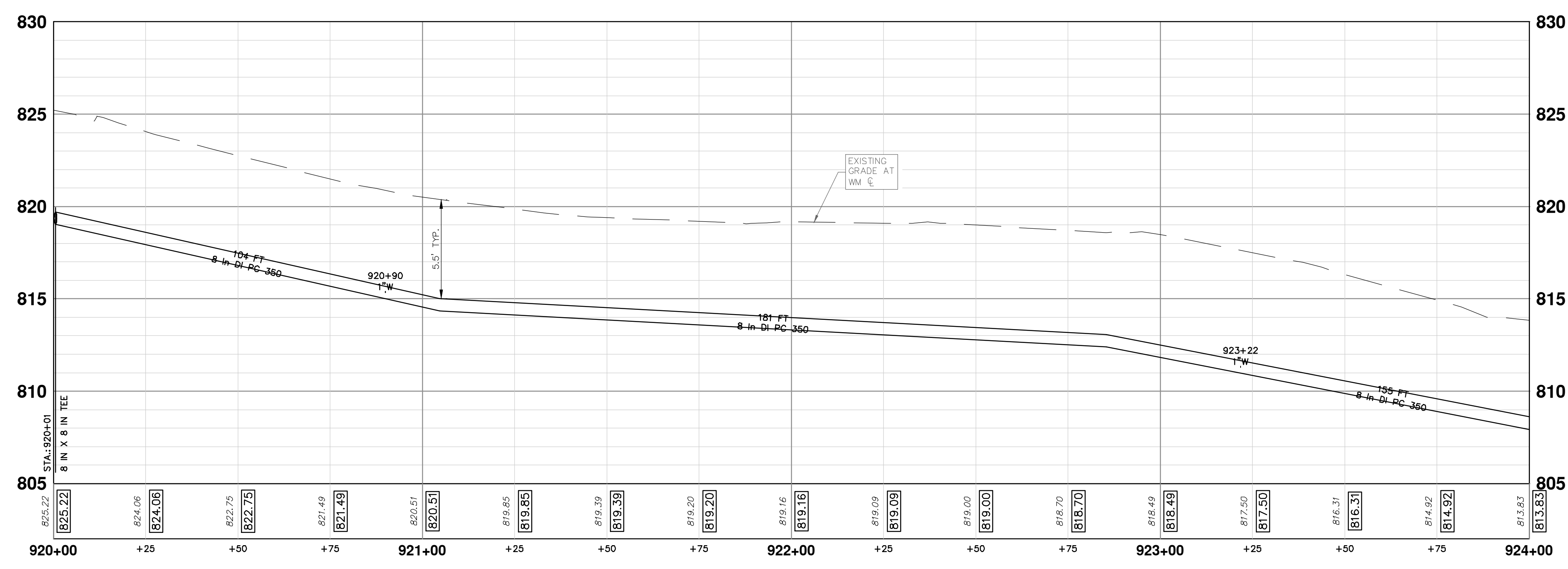


EDGEWOOD DR

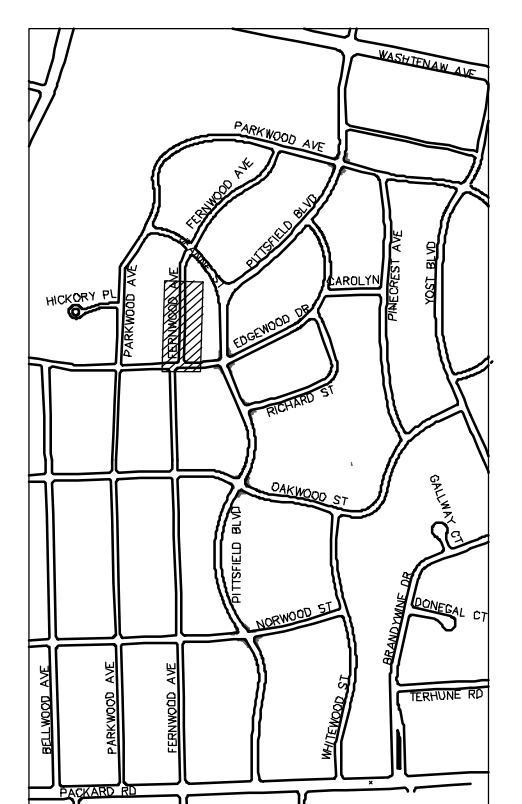
STA: 924+00

Sta: 920+01
8 IN X 8 IN TEE

ABANDON EXISTING 6" WATER MAIN WITHIN THE LIMITS AS SHOWN IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS. PAID FOR AS "WATER MAIN PIPE, 6 IN. DIA., ABANDON."



- WATER MAIN NOTES:**
- 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"
 - 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.
 - 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

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. **2022-031-146**

SHEET No. **146 OF 161**

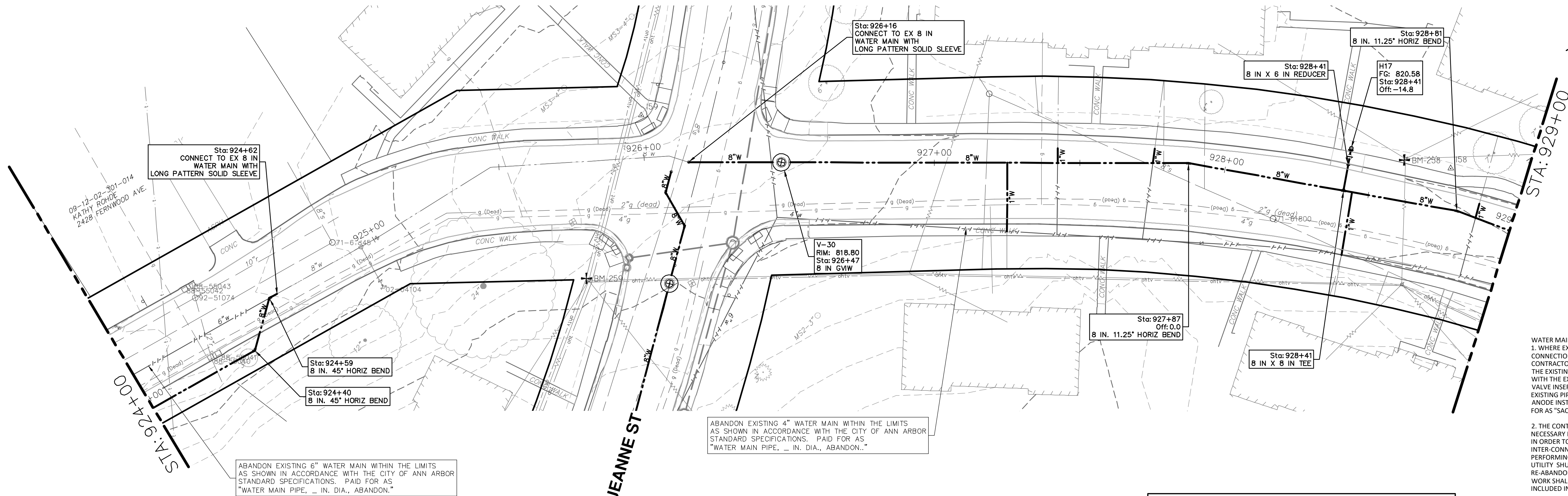


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00	BID SET	12-19-2024			
	DRAWN				

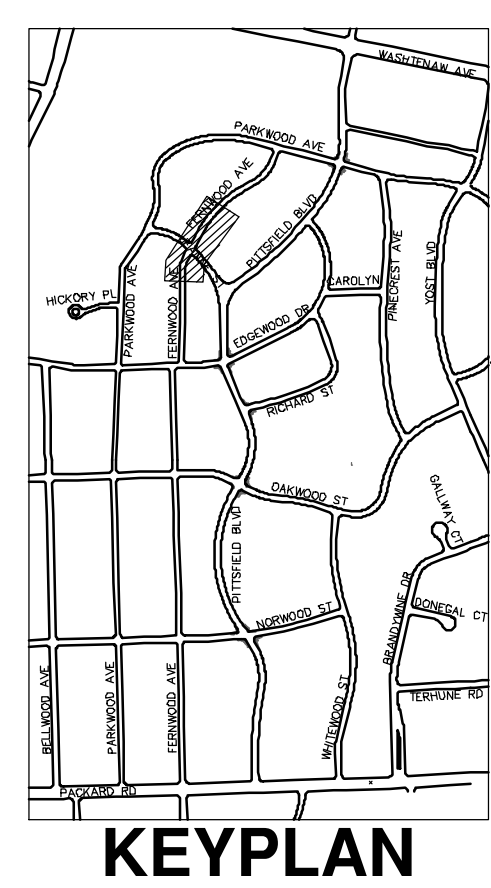
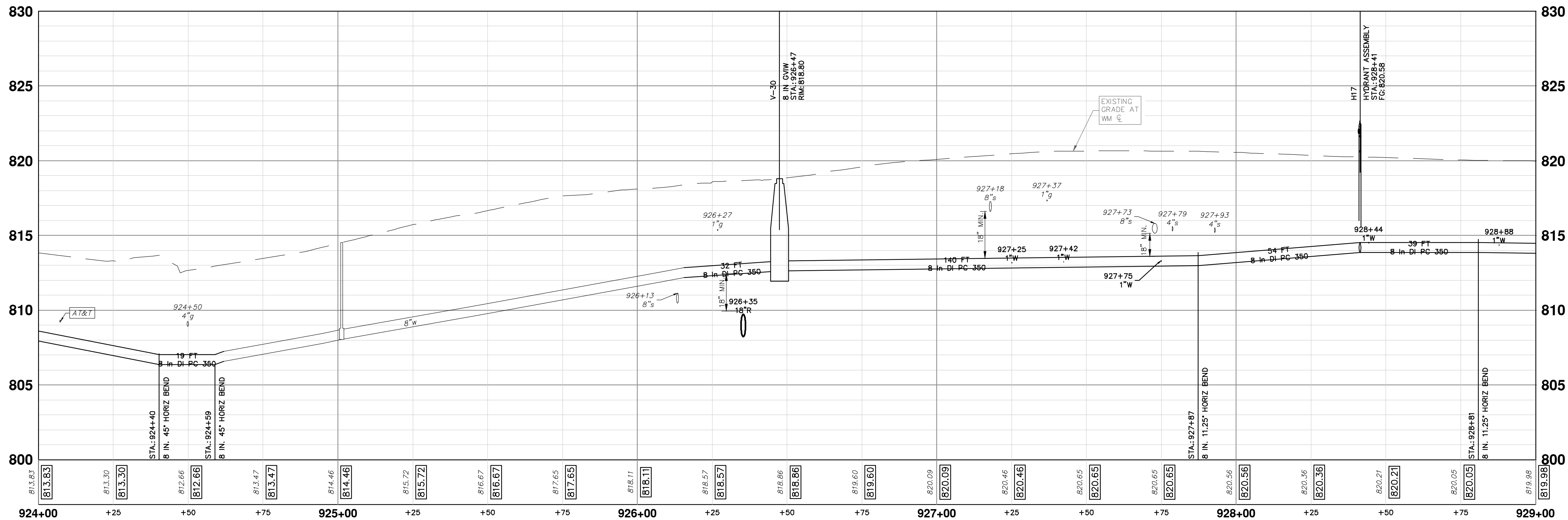
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301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
ANN ARBOR FAX 810-8647
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www.a2gov.org


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.


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	6.47





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Call before you dig.

REV.	DESCRIPTION	DATE	BY	CHKD
00	BID SET	12-19-2024	SM	CE
			SM	CE
			SM	CE



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.: 2022-031-147

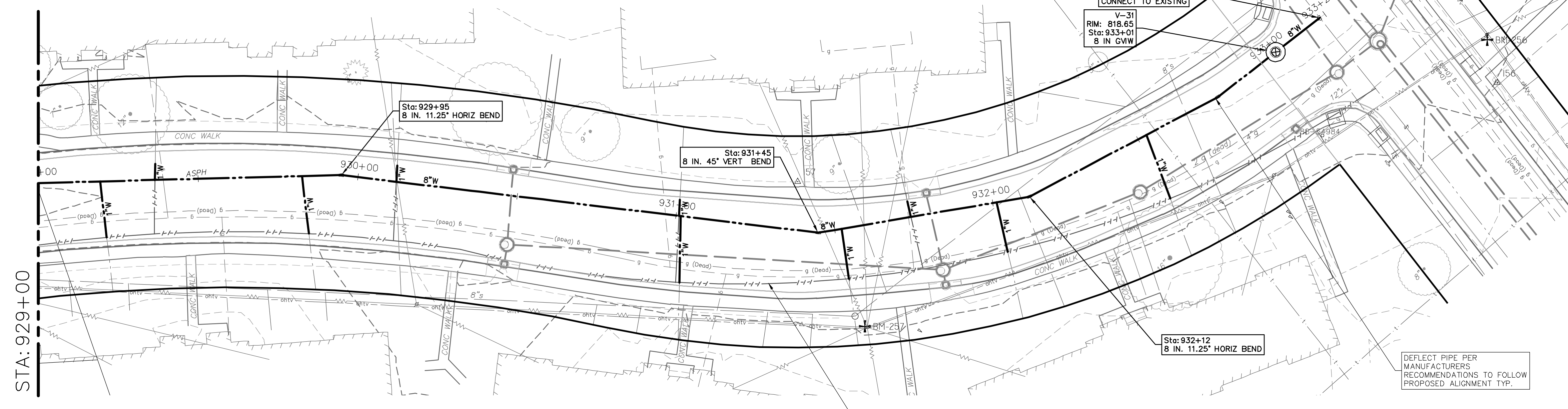
SHEET No. 147 OF 161

P:\0000_01000\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050\FERNWOOD_WM.dwg Dwg Created: 19-Nov-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

P:\0000_0100\0028230050_Pittsfield_Village_Improvements\Civil\Plans_Const\230050FERNWOOD_WM.dwg Dwg Created: 19-Nov-24 - _a2 standard bw.stb - Plot Date: 18-Dec-24

FERNWOOD AVENUE

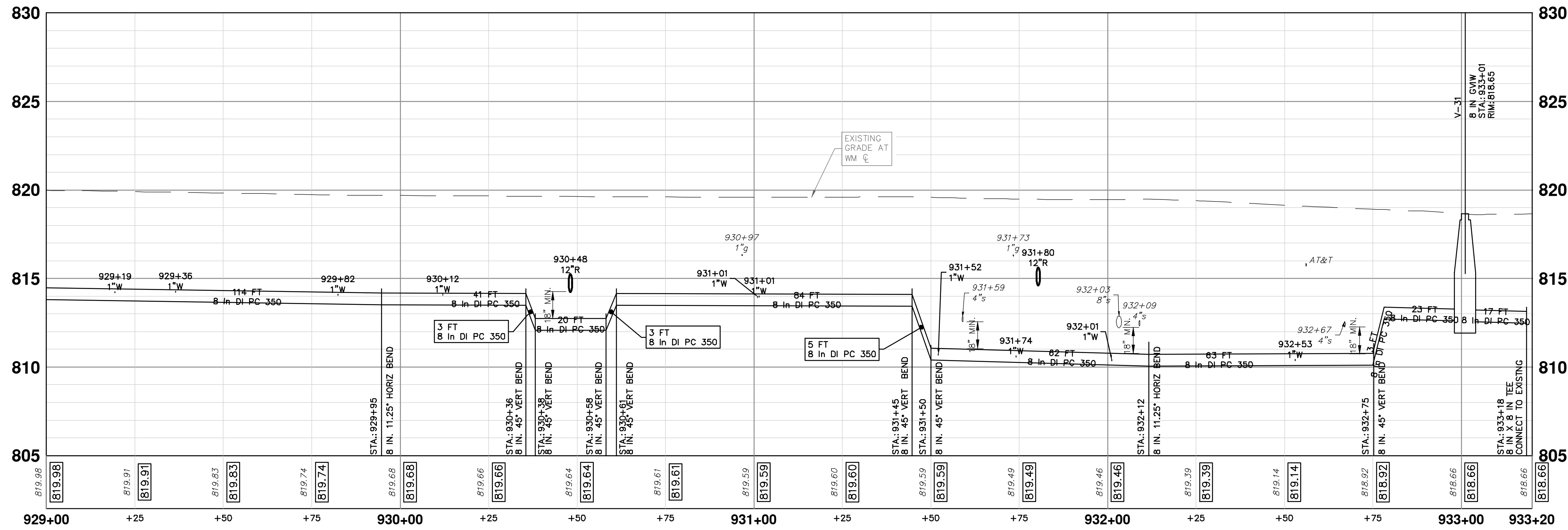
PARKWOOD AVE



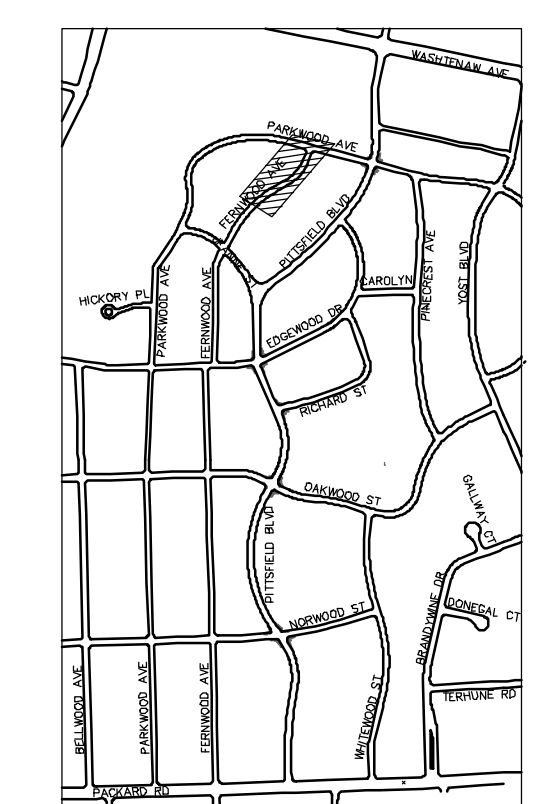
- WATER MAIN NOTES:**
- WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL 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"
 - 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.
 - THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOWER/RAISE EXISTING WATER SERVICES WHEN THEY ARE IN CONFLICT WITH PROPOSED STORM AND SANITARY SEWERS.

ABANDON EXISTING 4" 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."

DEFLECT PIPE PER MANUFACTURERS RECOMMENDATIONS TO FOLLOW PROPOSED ALIGNMENT TYP.



STRUCTURE	TYPE	STATION	RIM	DEPTH
V-31	8 in GVW	933+01	818.65	6.06



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. 2022-031-148

SHEET No. 148 OF 161

811
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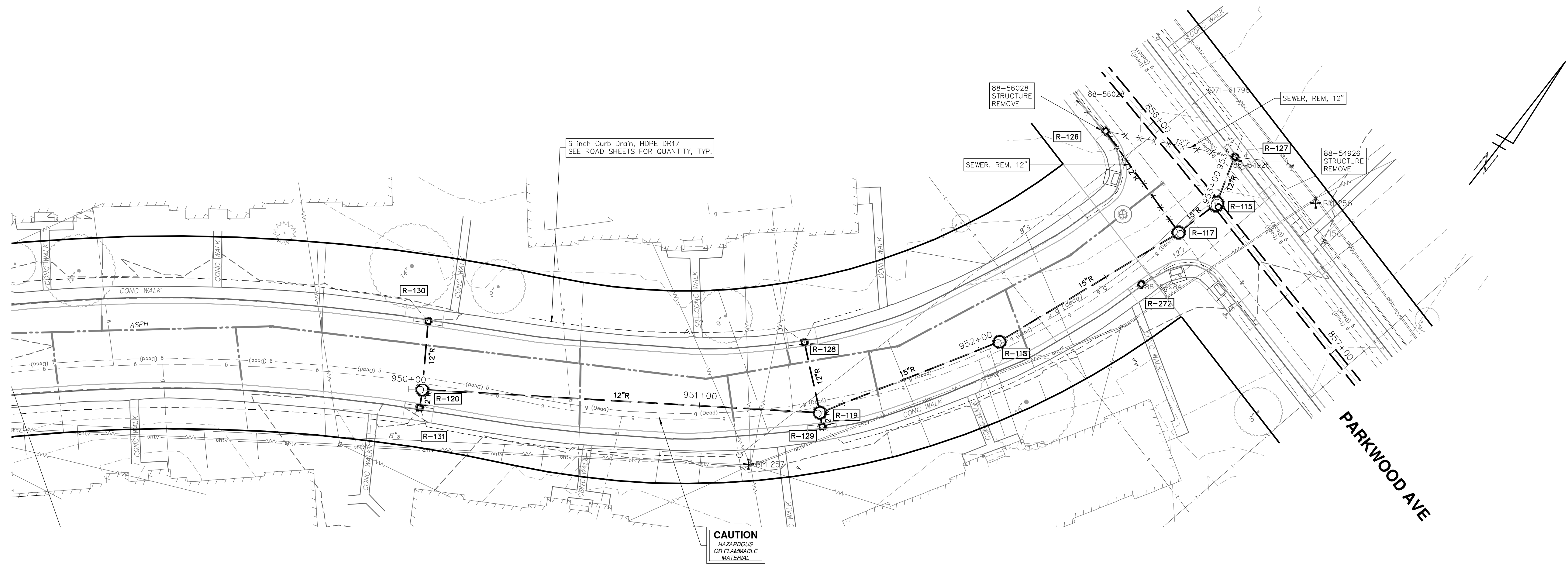
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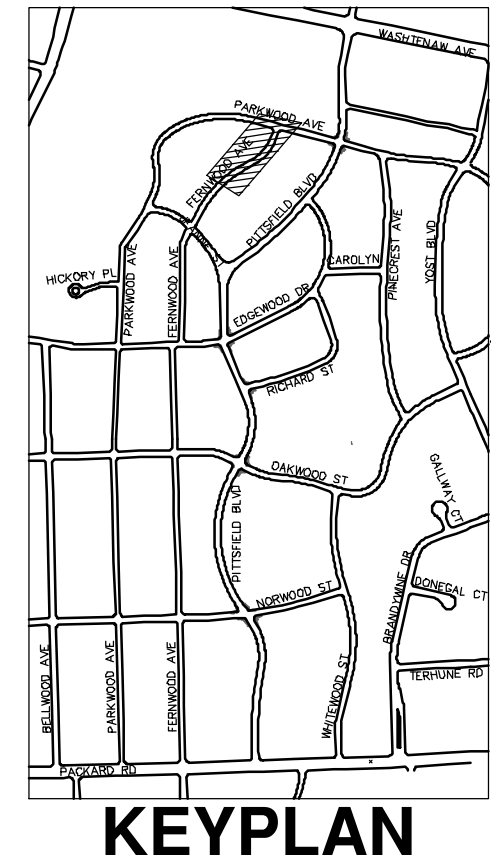
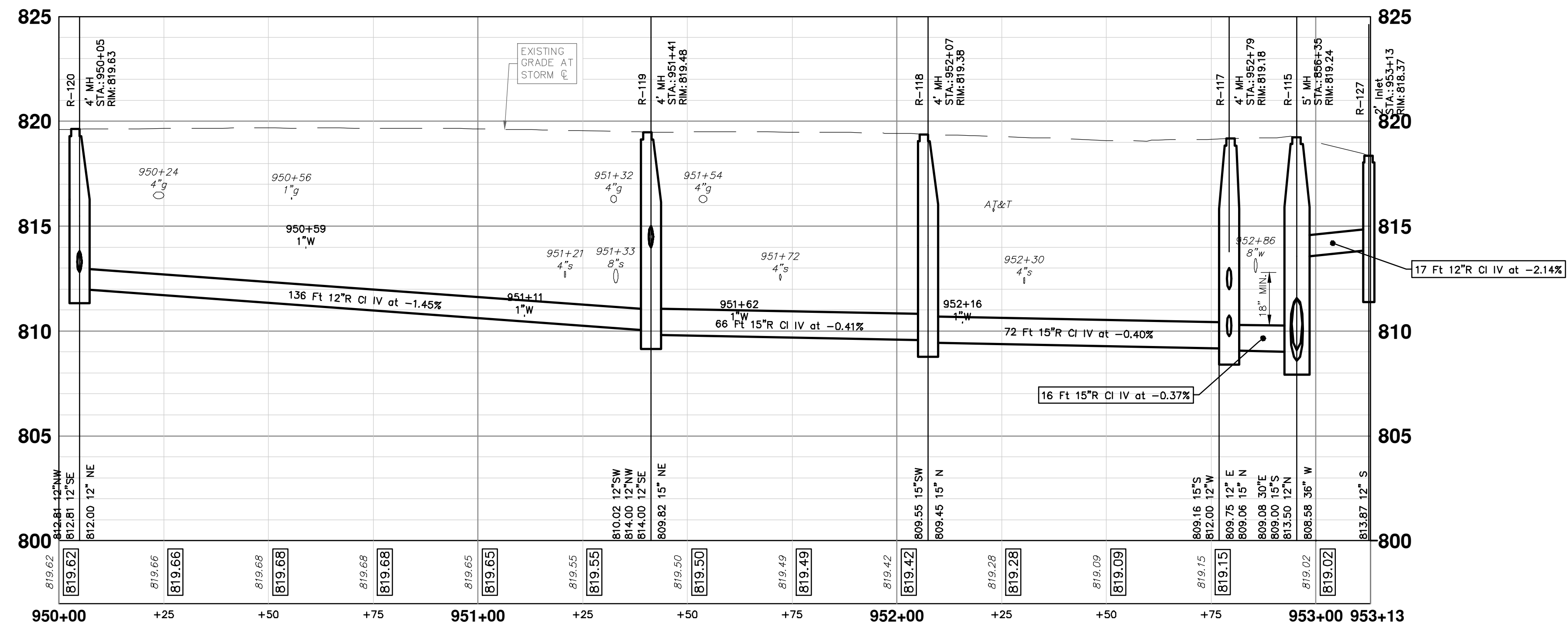
CITY OF ANN ARBOR
MICHIGAN

P:\0000_01000\0028230050_Pittsfield_Village_Improvements\Drawings\Civil\Plans_Const\230050FERNWOOD_STM.dwg Dwg Created: 6-Aug-24 -_a2 standard bw.stb - Plot Date: 18-Dec-24

FERNWOOD 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	10.66	0'
R-117	952+79	4' MH	819.18	12" E 809.75 15" N 809.06 15" S 809.16 12" W 812.00	10.12	0'
R-118	952+07	4' MH	819.38	15" N 809.45 15" SW 809.55	9.93	0'
R-119	951+41	4' MH	819.48	15" NE 809.82 12" SW 810.02 12" NW 814.00 12" SE 814.00	9.66	0'
R-120	950+05	4' MH	819.63	12" NE 812.00 12" NW 812.81 12" SE 812.81	7.63	0'
R-126	855+92	2' Inlet	817.36	12" E 812.96	4.40	0'
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'



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PITTSFIELD VILLAGE IMPROVEMENTS
 FERNWOOD AVENUE
 STORM SEWER PLAN (STA 950+00 TO STA 953+13)

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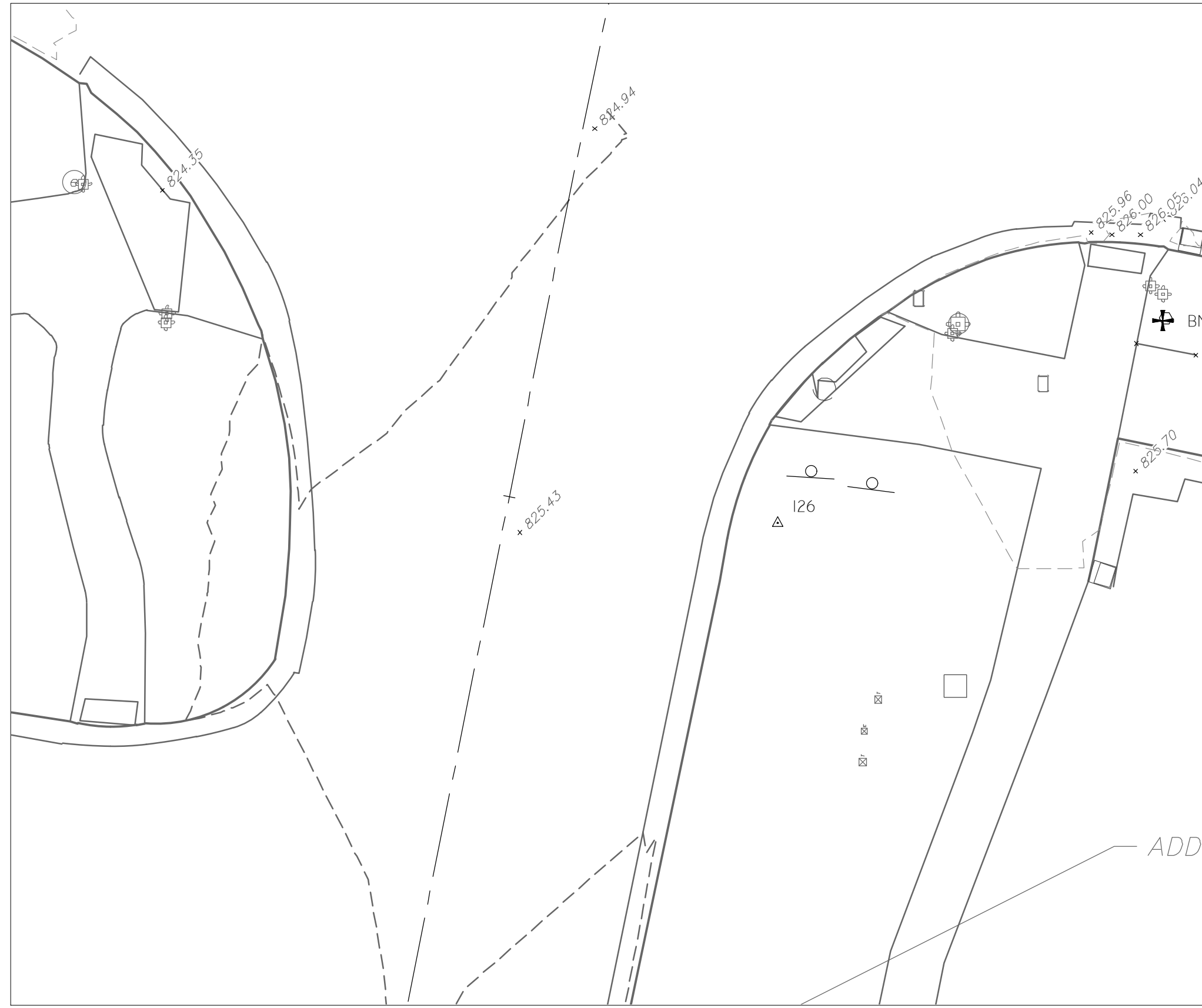
SCALE: 1" = 20'
PROFILE: 1" = 4'

DRAWING NO.
2022-031-149

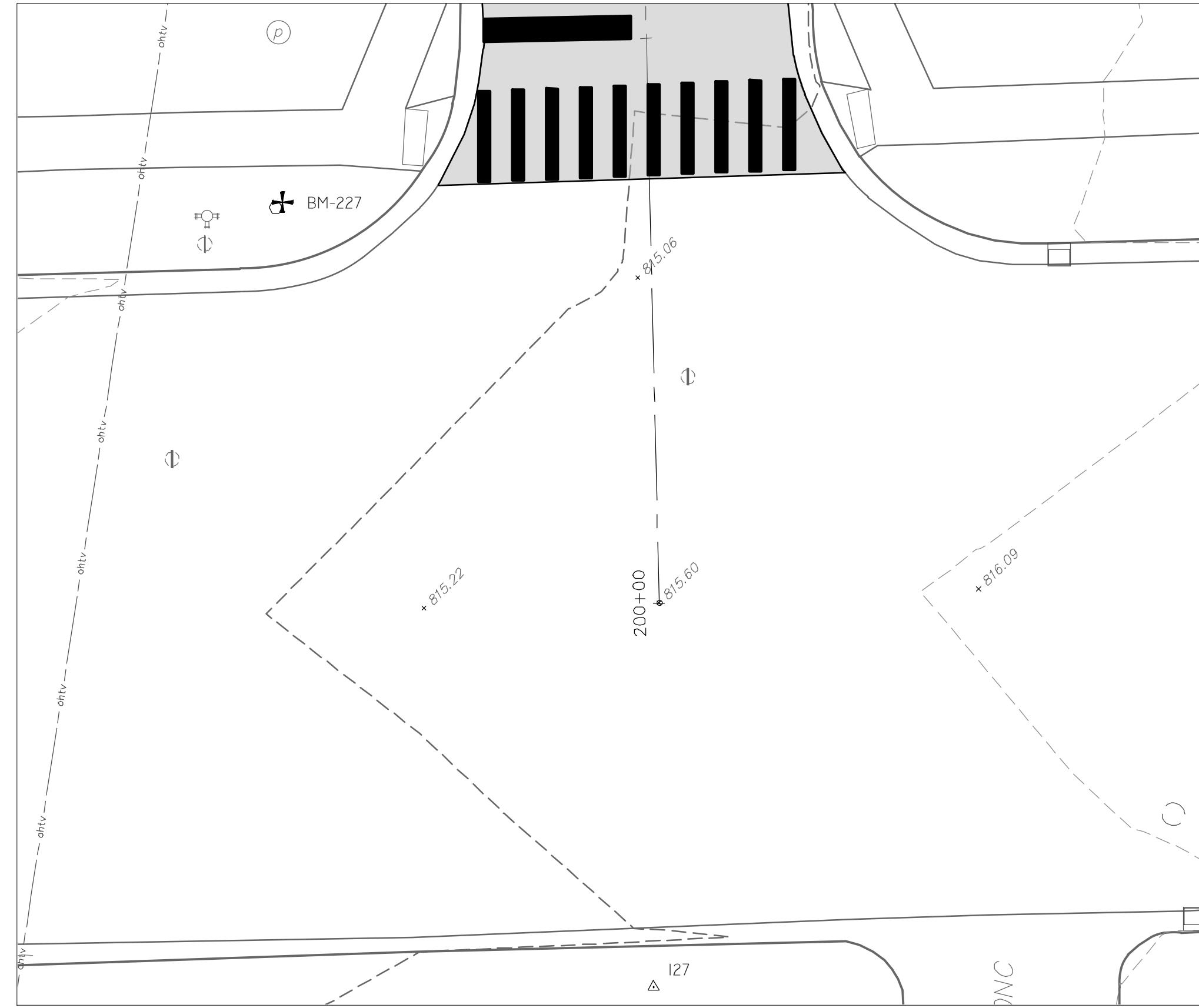
SHEET NO.
149 OF 161

DATE
12-19-2024

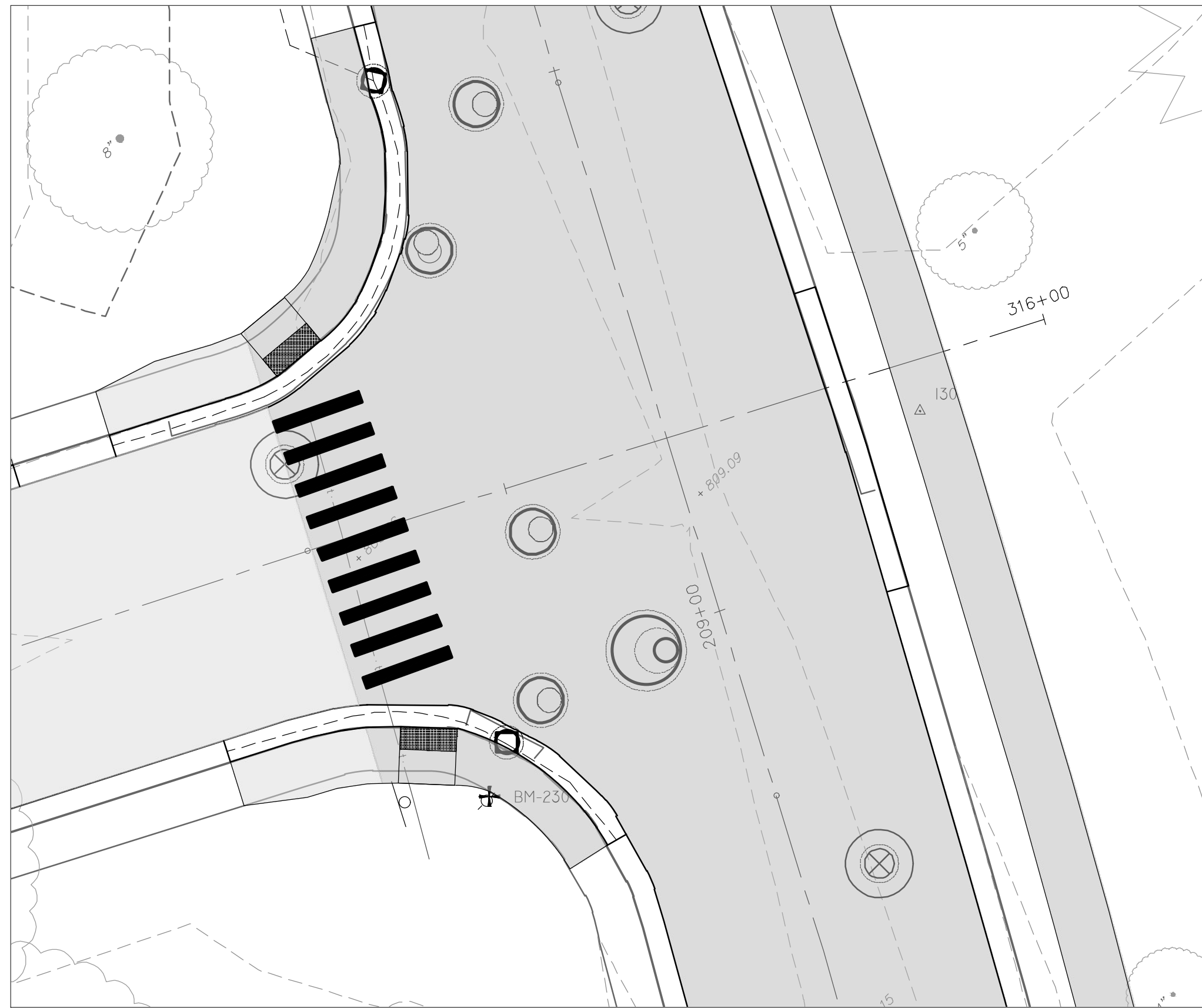
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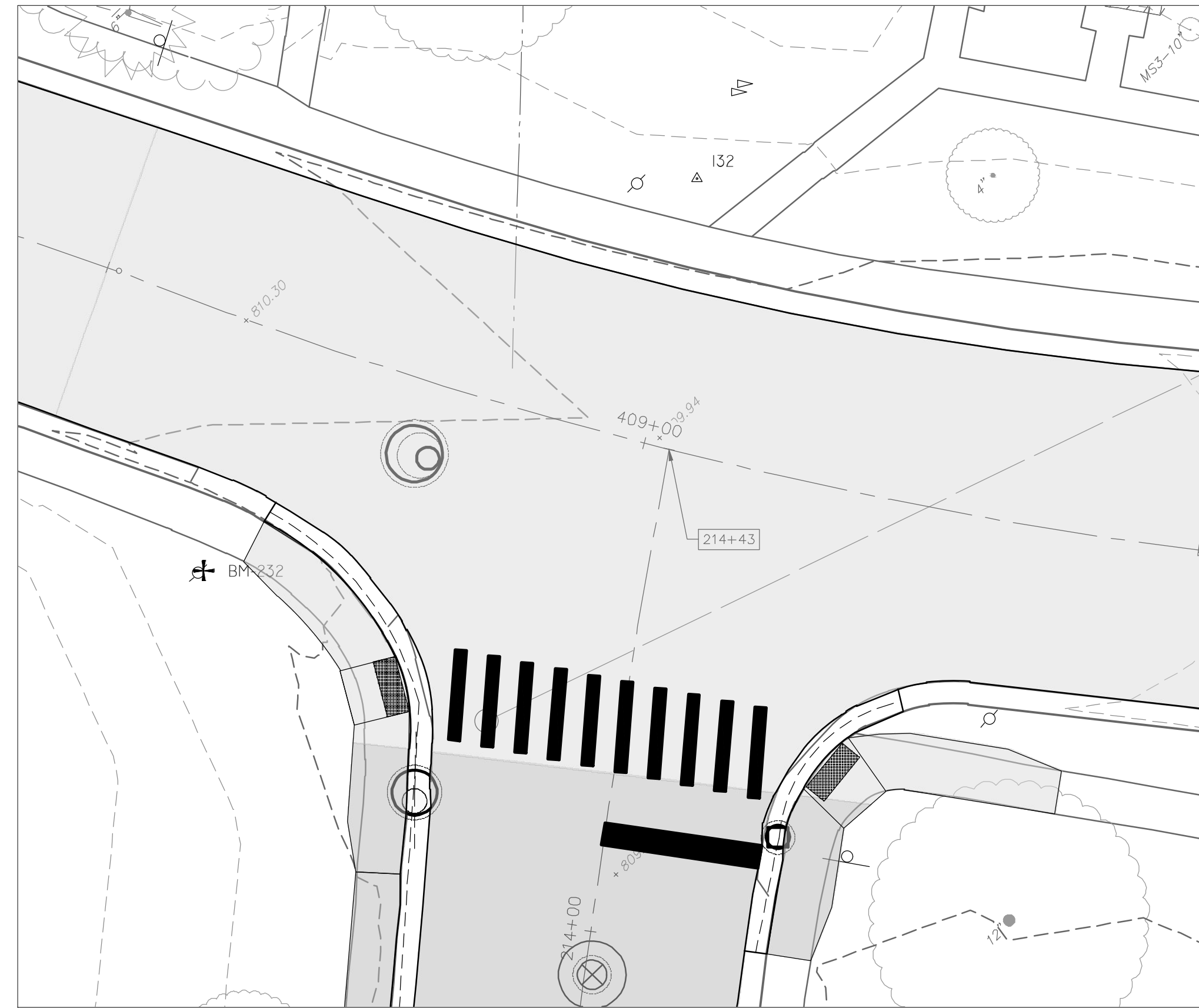
PITTSFIELD BLVD AND WASHTENAW AVE INTERSECTION



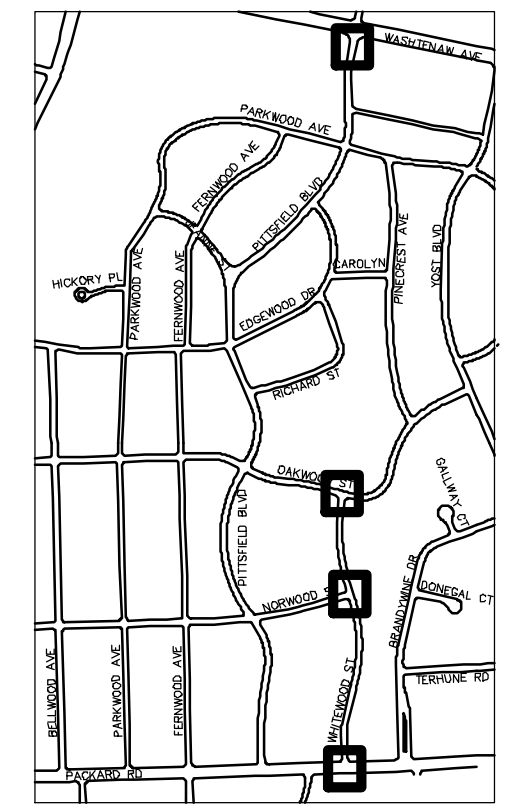
WHITEWOOD ST AND PACKARD ST INTERSECTION



WHITEWOOD ST AND NORWOOD ST INTERSECTION



WHITEWOOD ST AND OAKWOOD ST INTERSECTION




KEYPLAN



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 INTERSECTION GRADING

SCALE PLAN: 1" = 10'
 DRAWING No. 2022-031-152

SHEET No. 152 OF 161

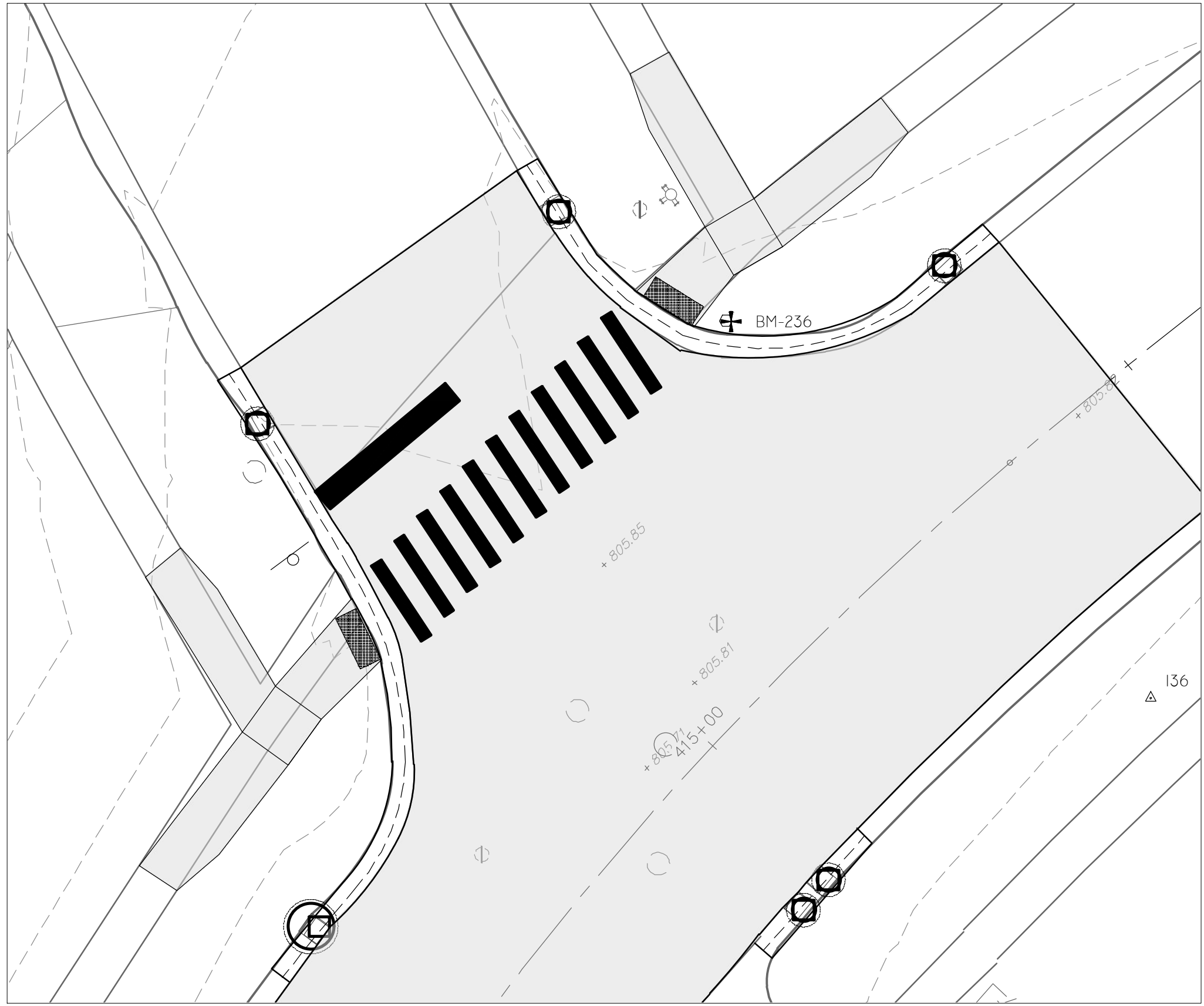


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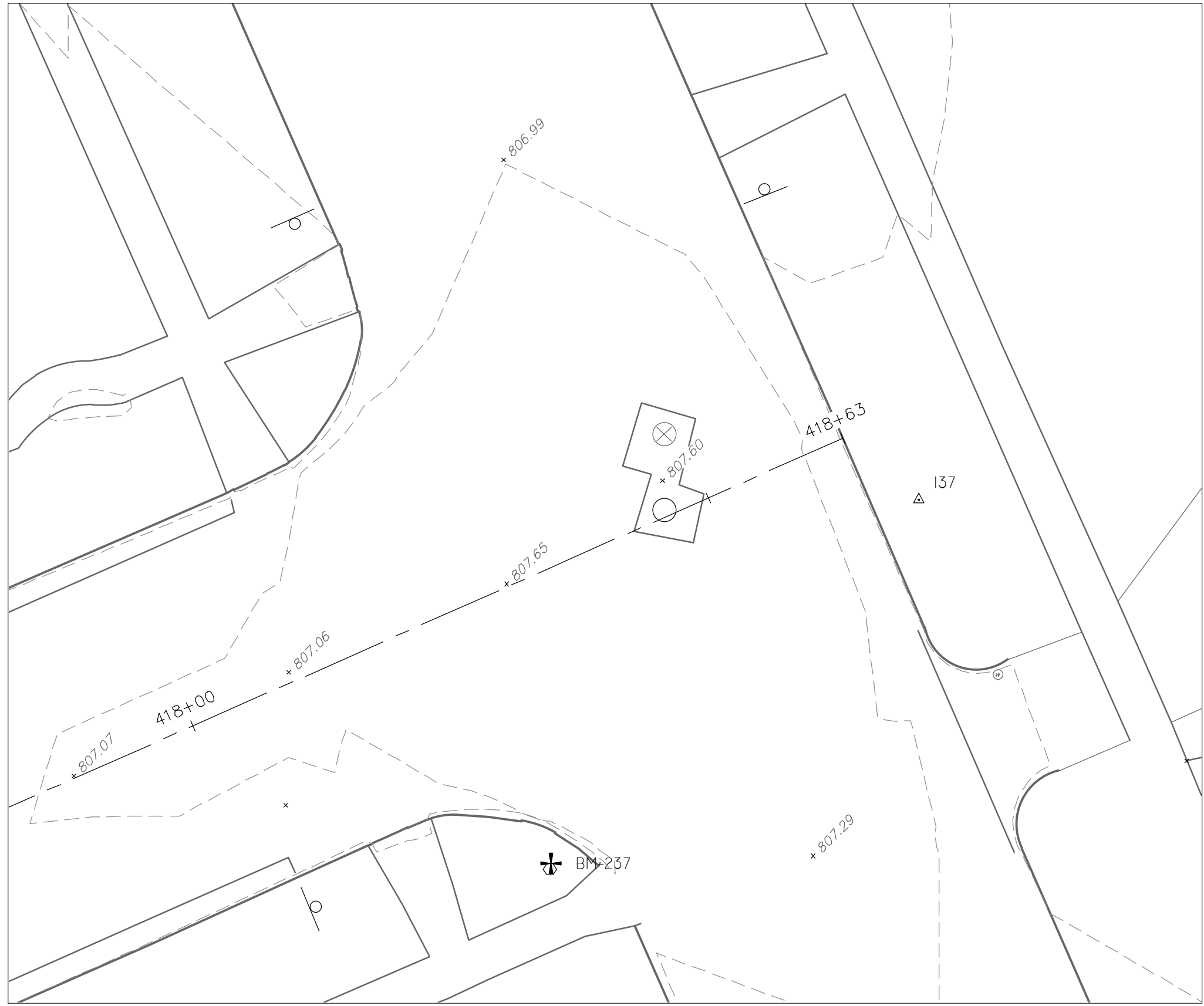
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00	BID SET	12-19-2024	SM	CE



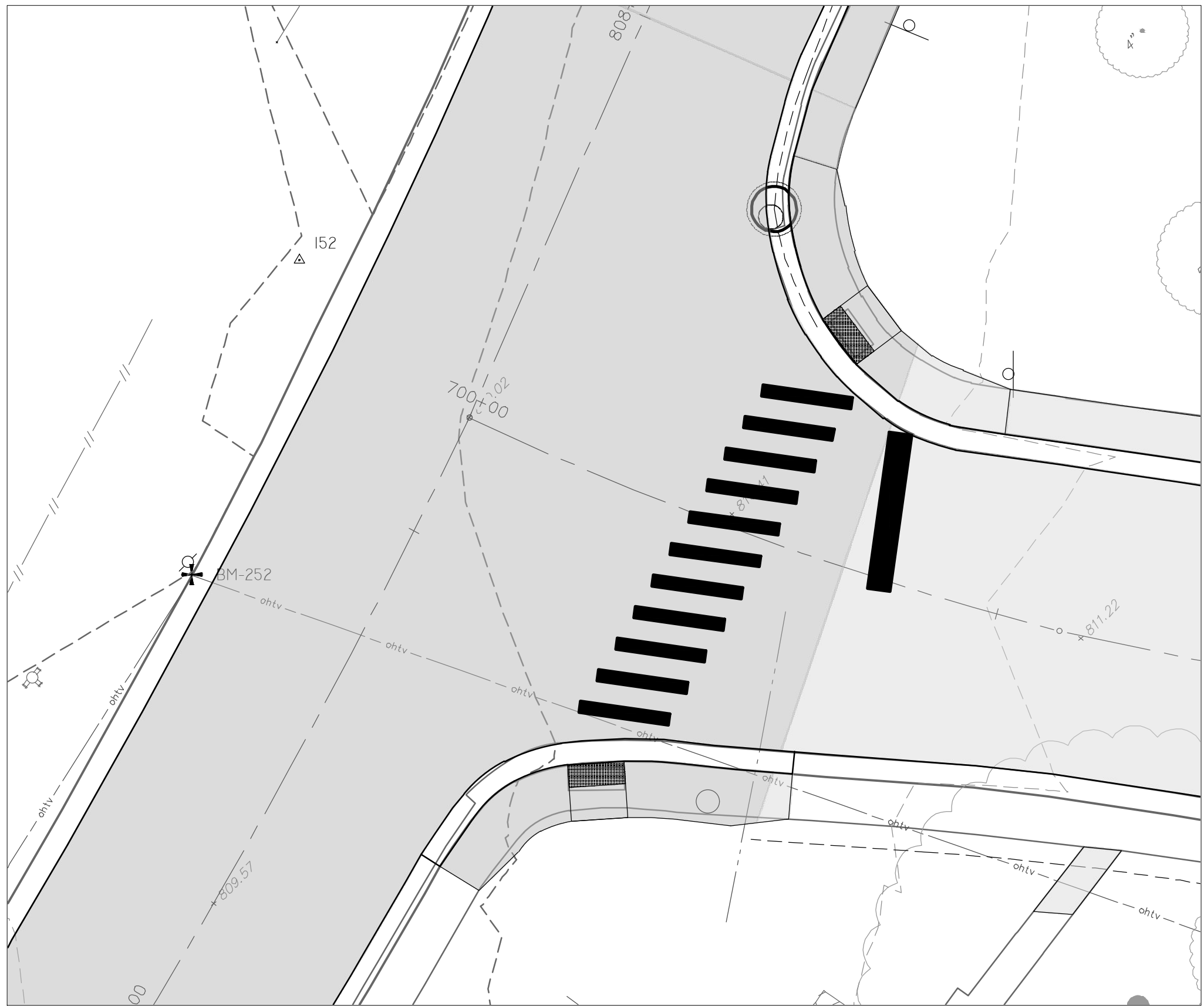
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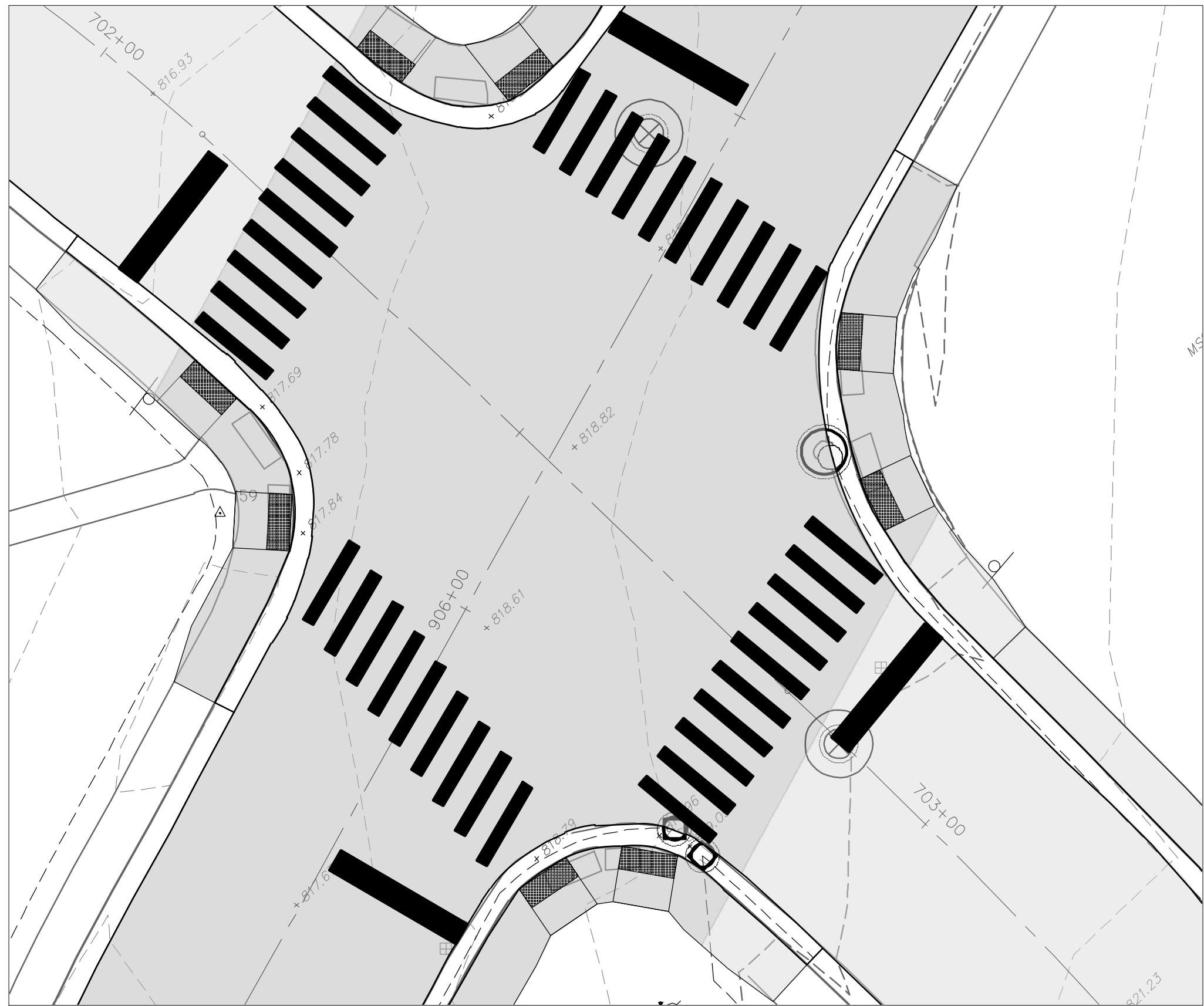
OAKWOOD ST AND PINECREST AVE INTERSECTION



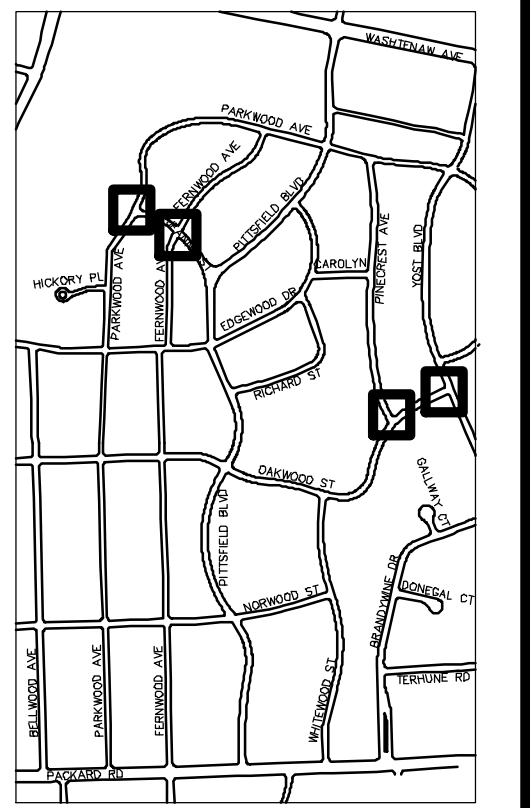
OAKWOOD ST AND YOST BLVD INTERSECTION



PARKWOOD DR AND JEANNE ST INTERSECTION



FERNWOOD AVE AND JEANNE ST INTERSECTION



KEYPLAN



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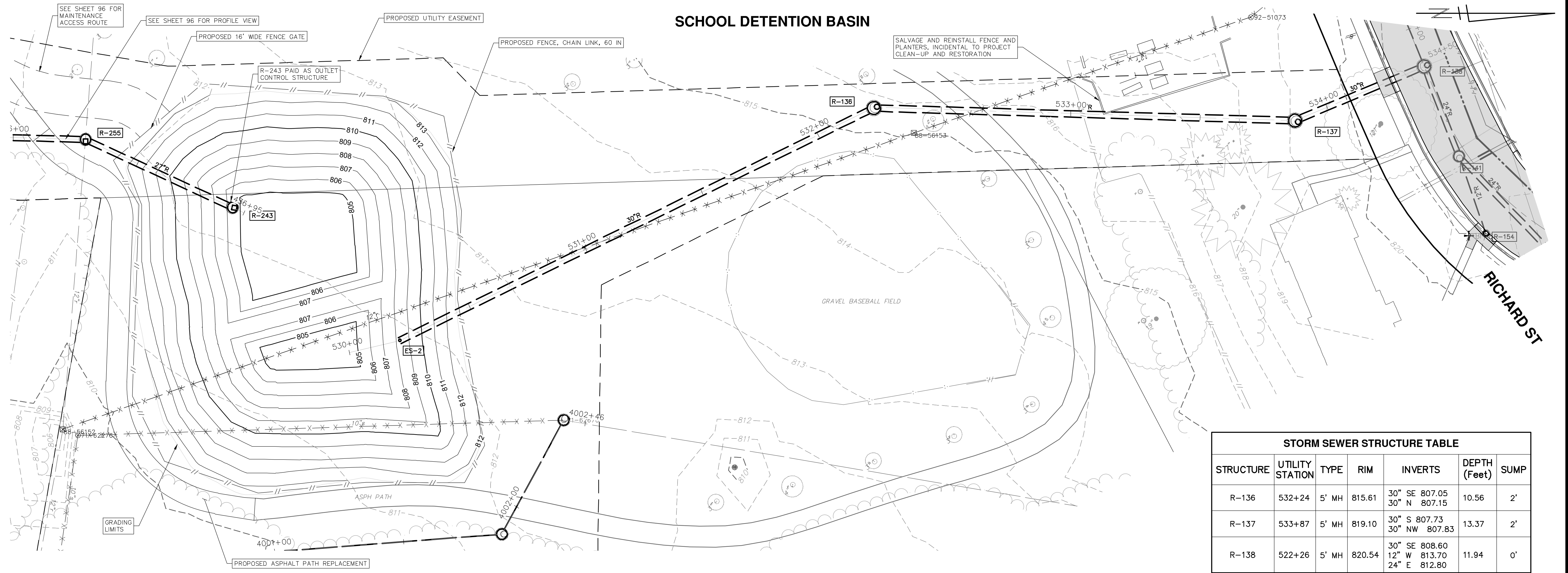
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DRAWING No. 2022-031-153

SHEET No. 153 OF 161

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00	BID SET	12-19-2024	SM	CE

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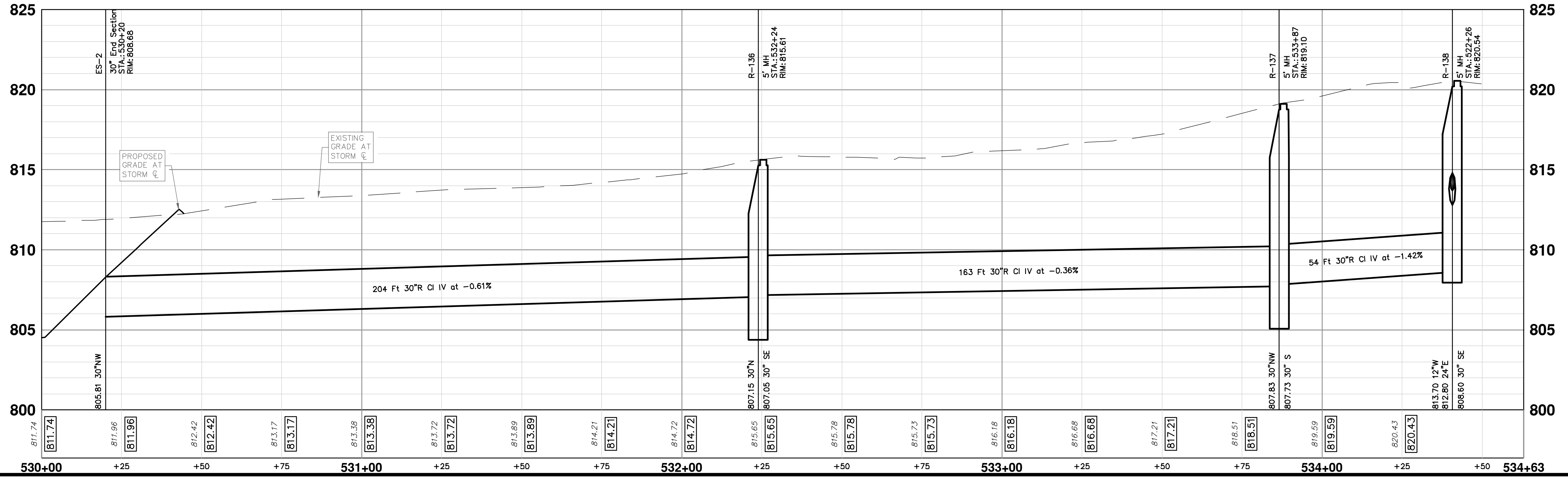
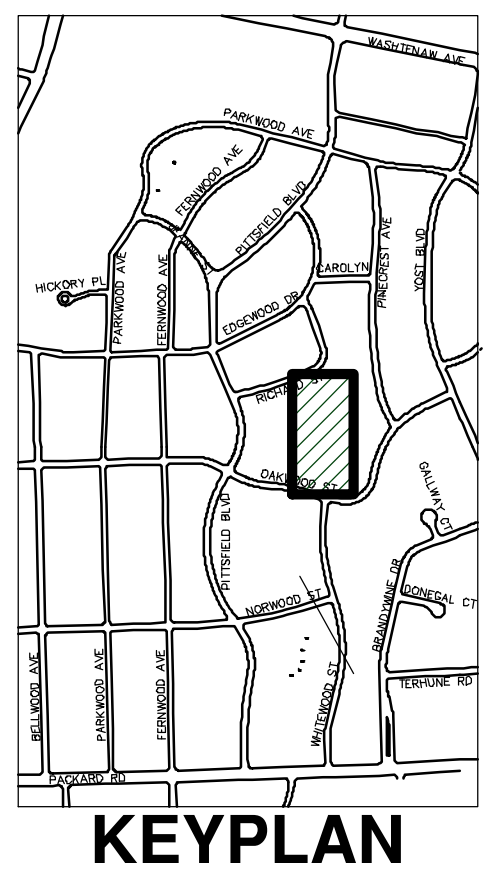
SCHOOL DETENTION BASIN



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	11.94	0'

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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 DETAILED GRADING
 SCHOOL DETENTION BASIN

SCALE PLAN: 1" = 20'
 DRAWING No. 2022-031-154
 SHEET No. 154 OF 161

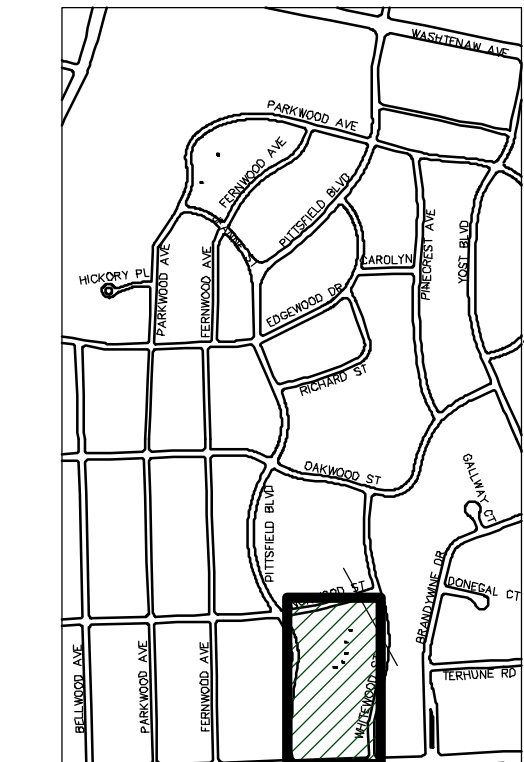
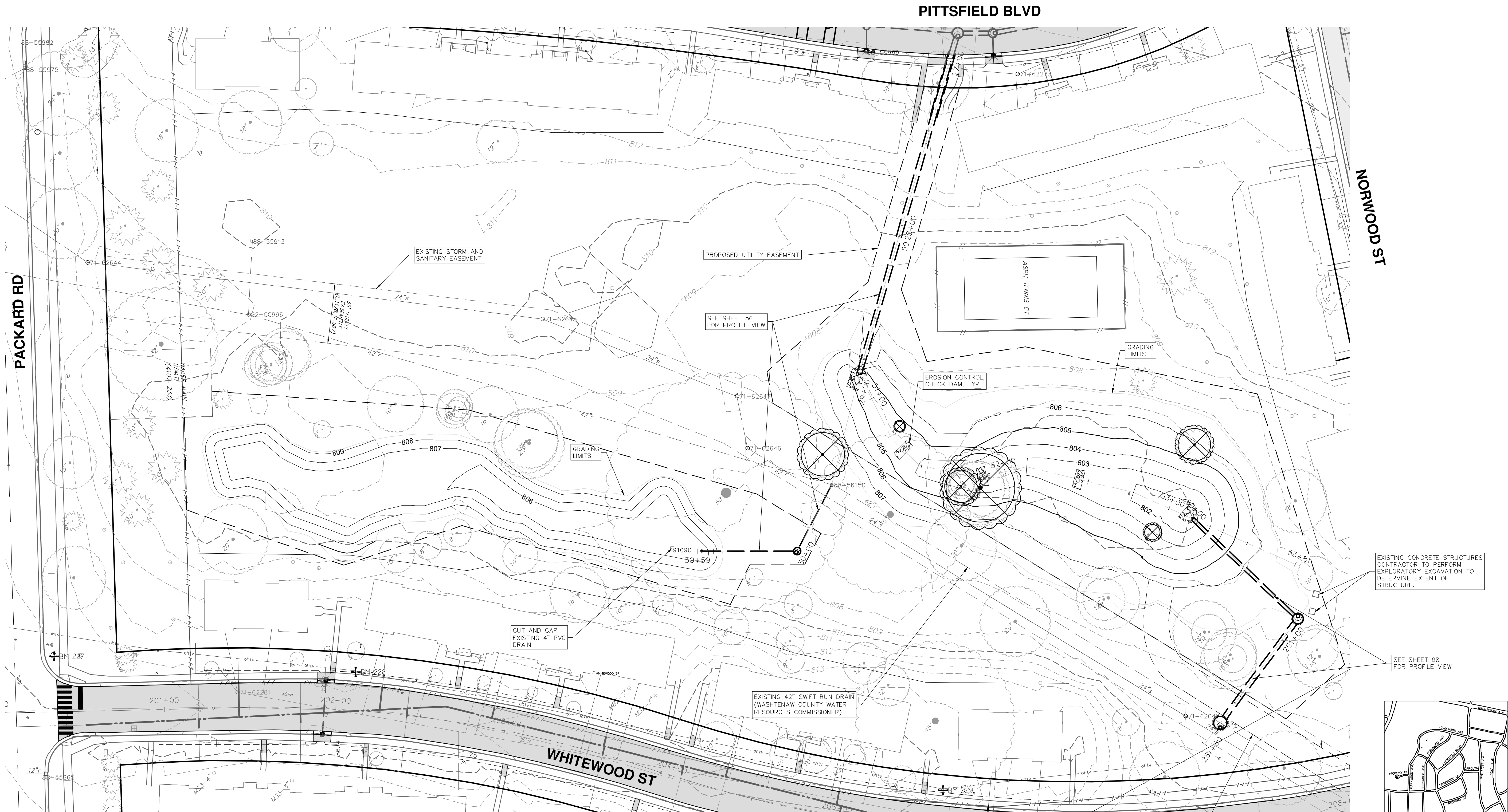
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SOUTH DETENTION BASIN



KEYPLAN

PROPOSED BASIN VOLUME SUMMARY	
NORTH BASIN	
CUT (PAID AS Earth Excavation)	788 CYD
FILL (PAID AS Embankment)	72 CYD
SOUTH BASIN	
CUT (PAID AS Earth Excavation)	885 CYD
FILL (PAID AS Embankment)	0 CYD

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DETAILED GRADING

SOUTH DETENTION BASIN

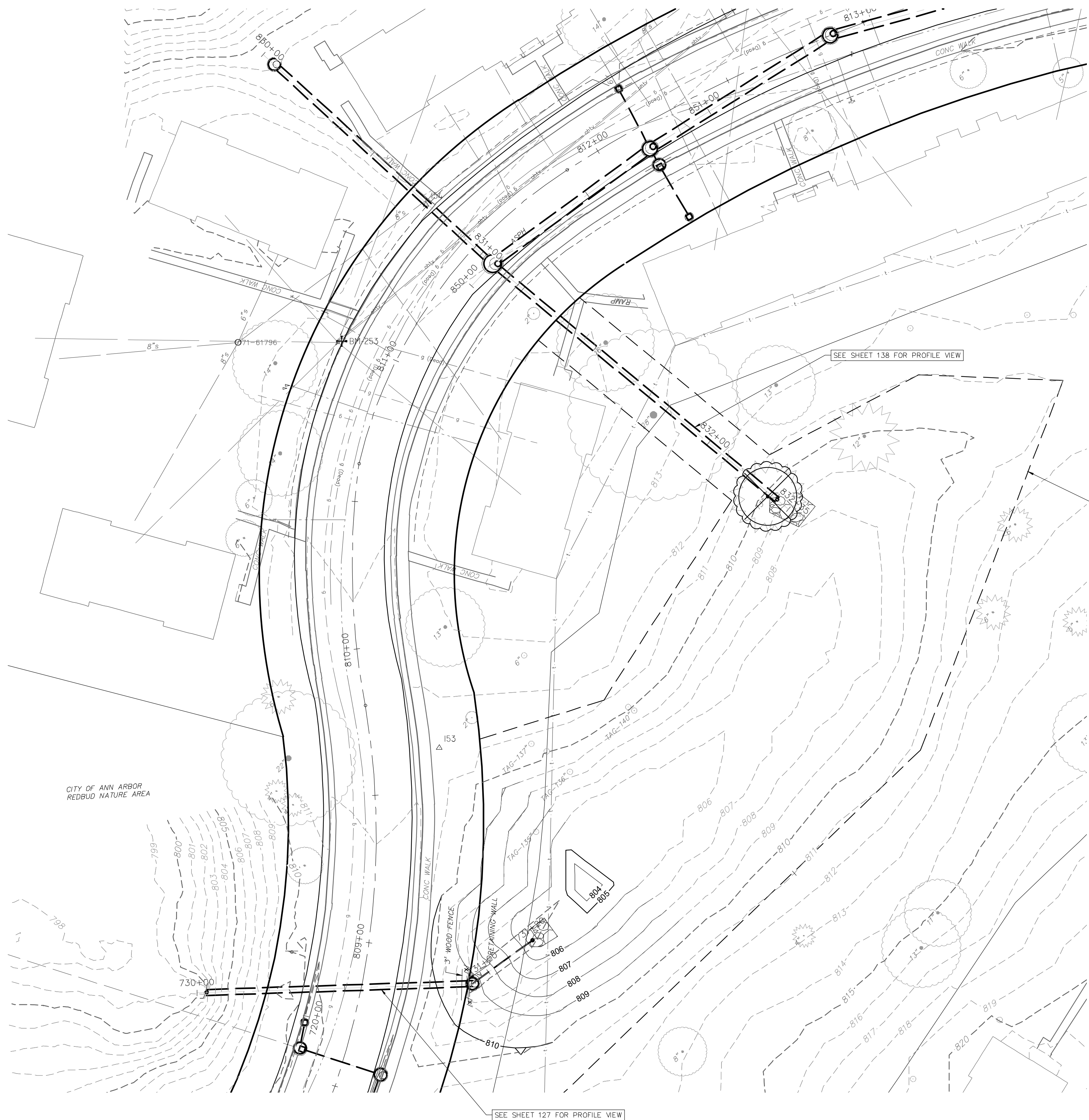
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DRAWING No. **2022-031-155**

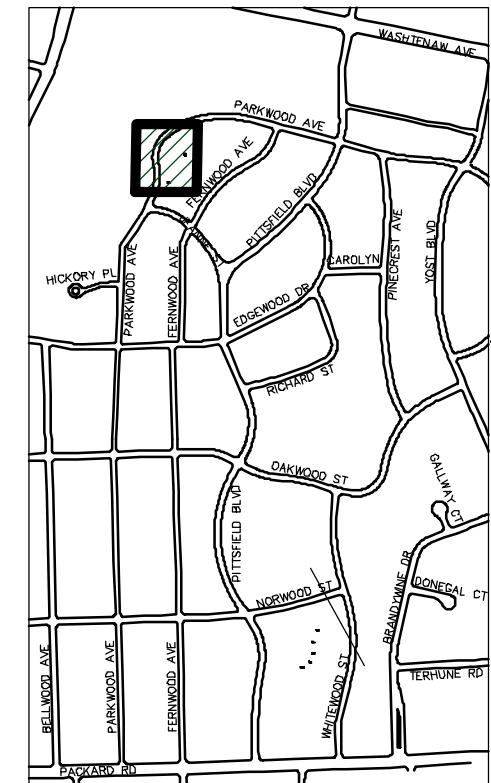
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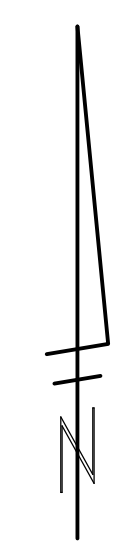
PARKWOOD DETENTION BASIN



PROPOSED BASIN VOLUME SUMMARY	
CUT (PAID AS Earth Excavation)	9 CYD
FILL (PAID AS Embankment)	93 CYD

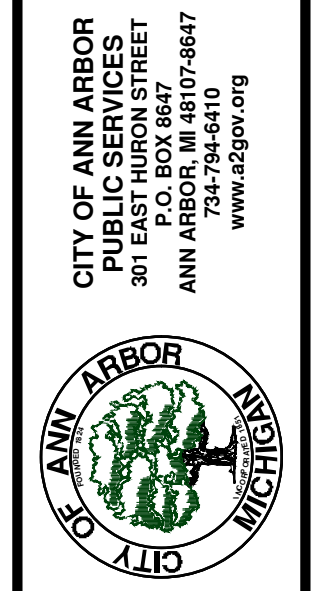


KEYPLAN



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 DETAILED GRADING
PARKWOOD DETENTION BASIN

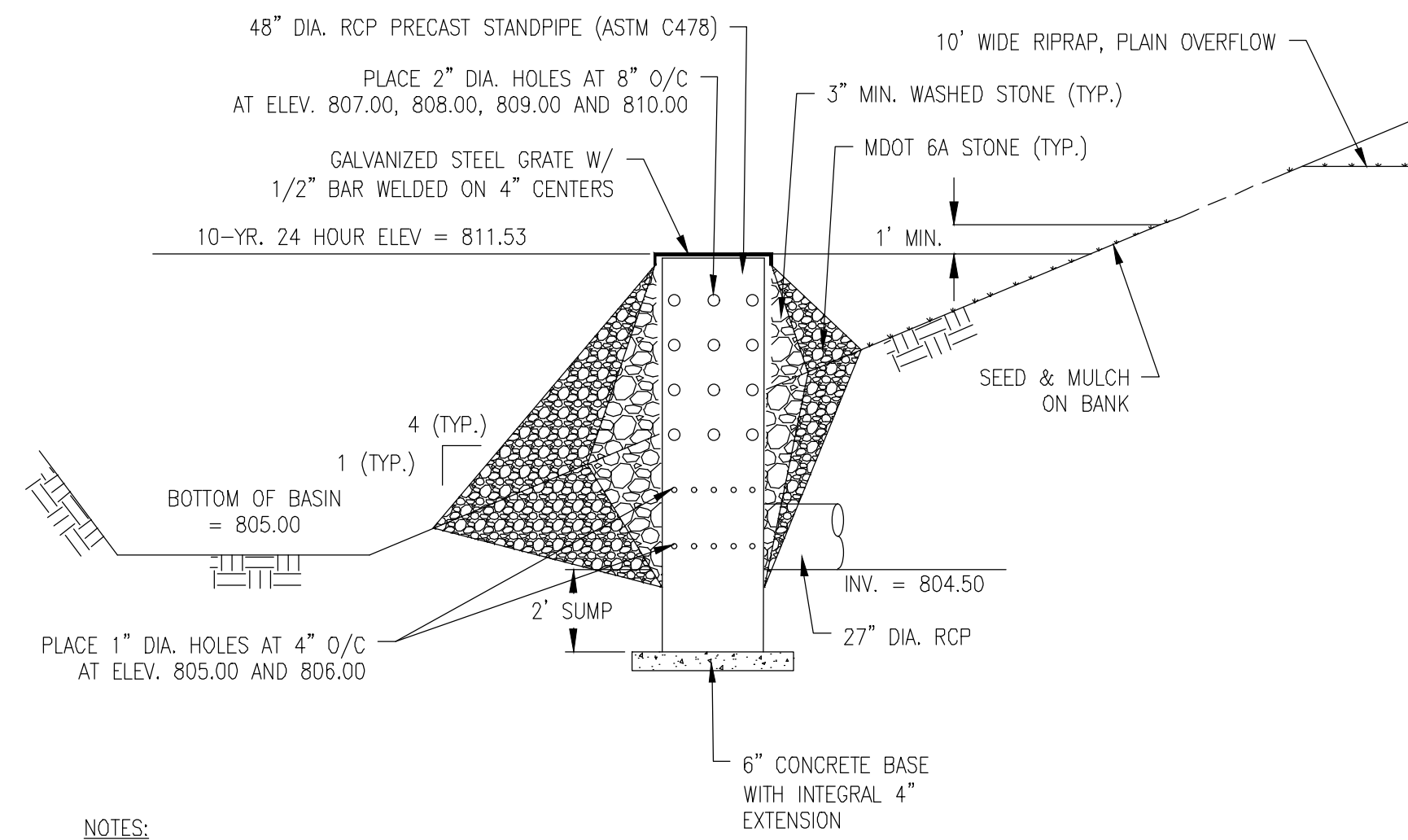
SCALE 1" = 20'
 DRAWING No. 2022-031-156



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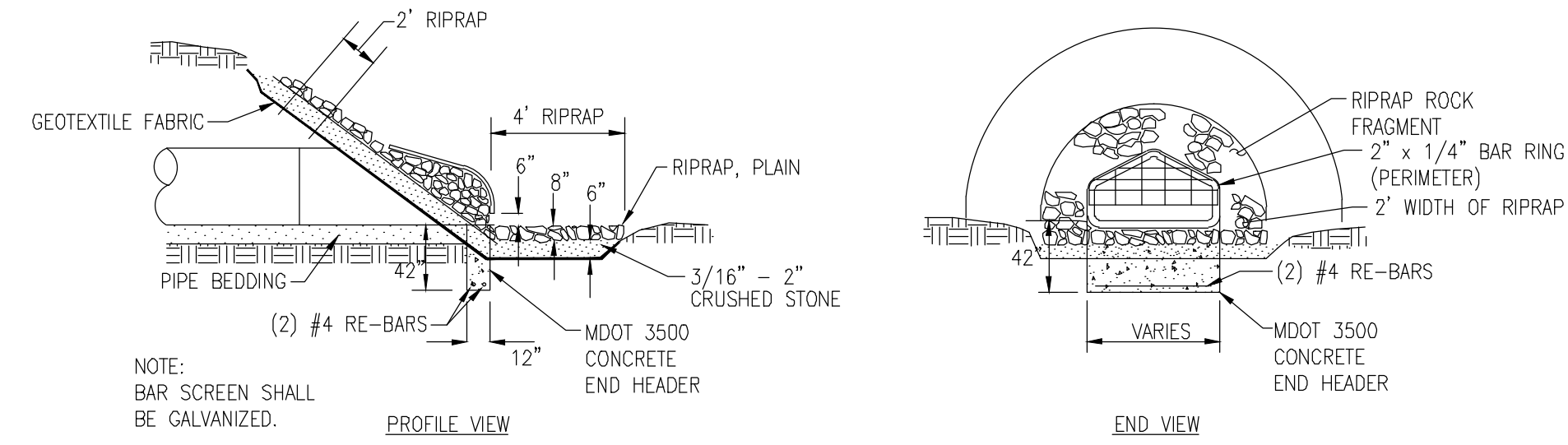
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NOTES:
 1. RISER HOLES MUST BE PRE-DRILLED BY PRE-CAST MANUFACTURER.

**PITTSFIELD ELEMENTARY SCHOOL DETENTION BASIN
 OUTLET CONTROL STRUCTURE R-243 DETAIL**



END SECTION AND BAR SCREEN DETAIL



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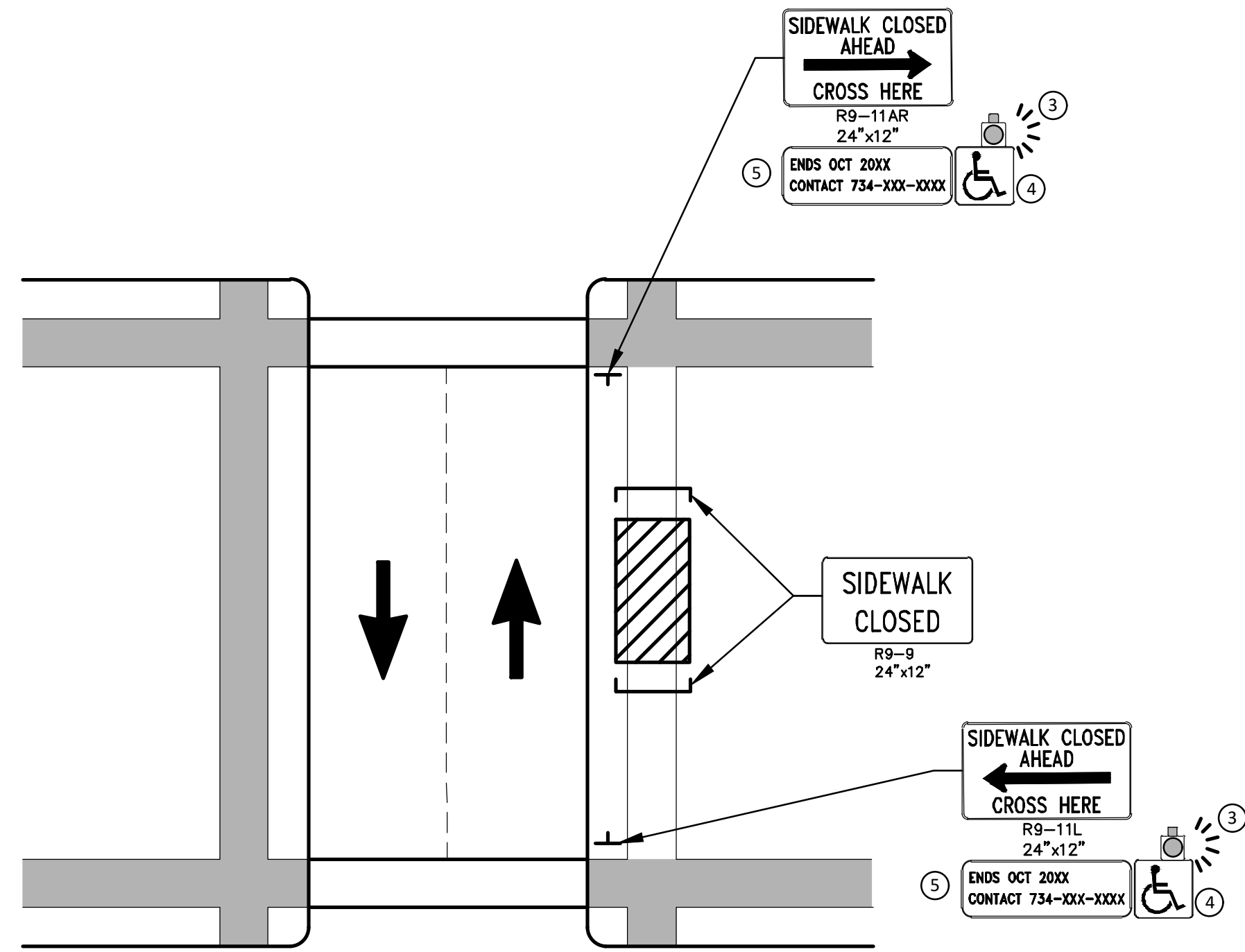
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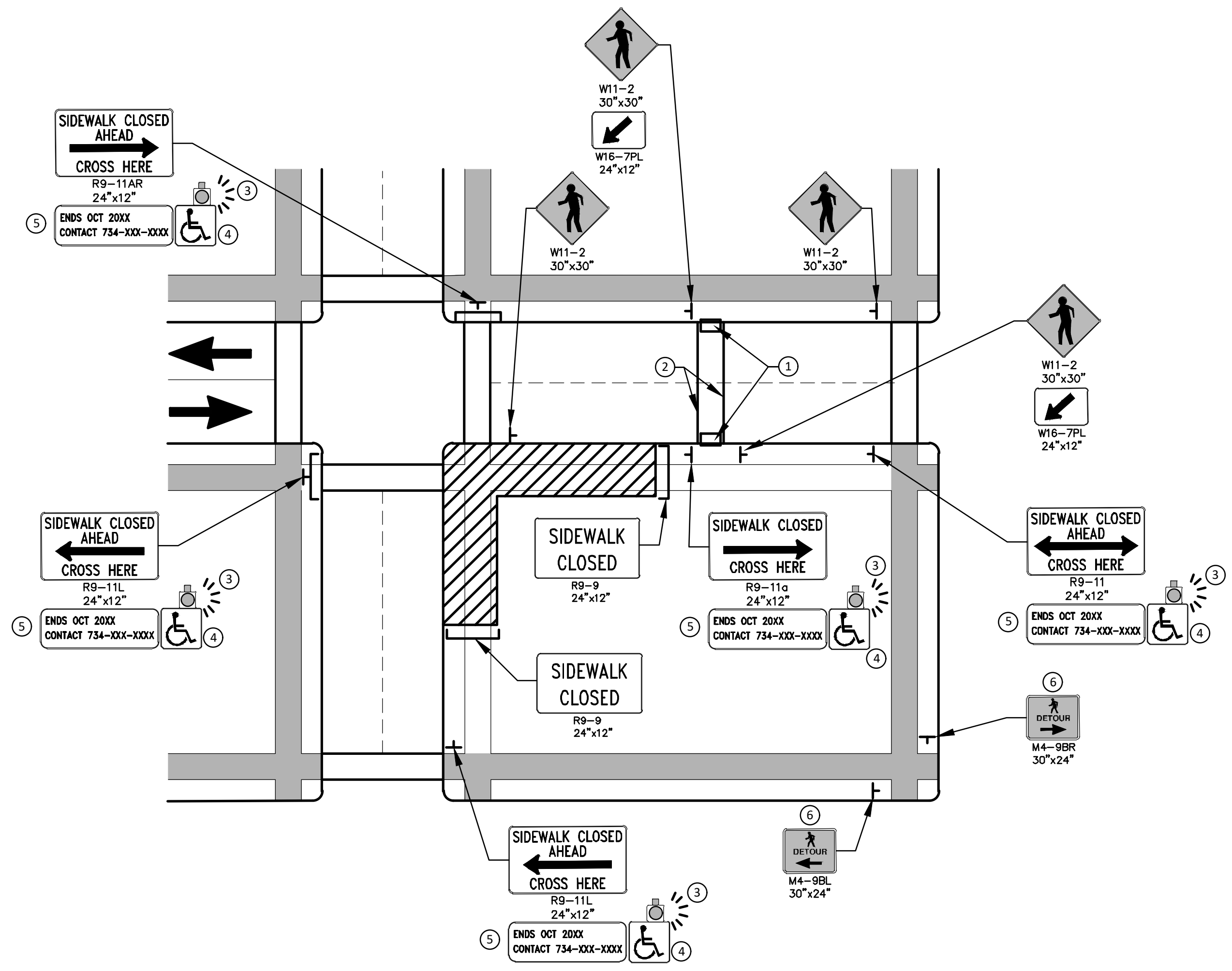
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 STORMWATER DETAILS

SCALE: NTS
 DRAWING No. 2022-031-157

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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

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : N.T.S.

DRAWING No. **2022-031-156**

SHEET No. **158 OF 45**

PITTSFIELD VILLAGE IMPROVEMENTS

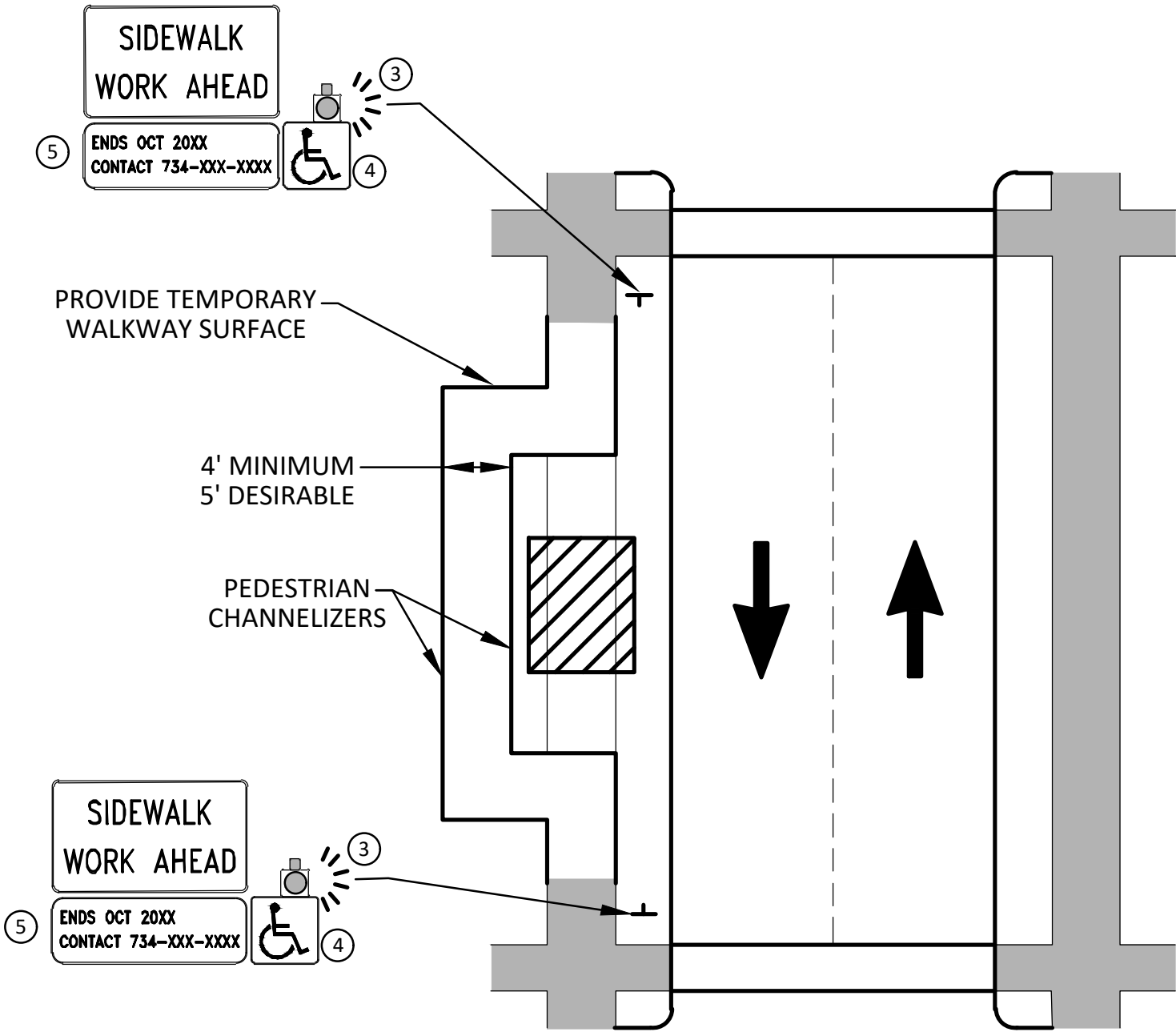
TAPR DETAILS - ALTERNATE PEDESTRIAN ROUTE (APR) DETOUR

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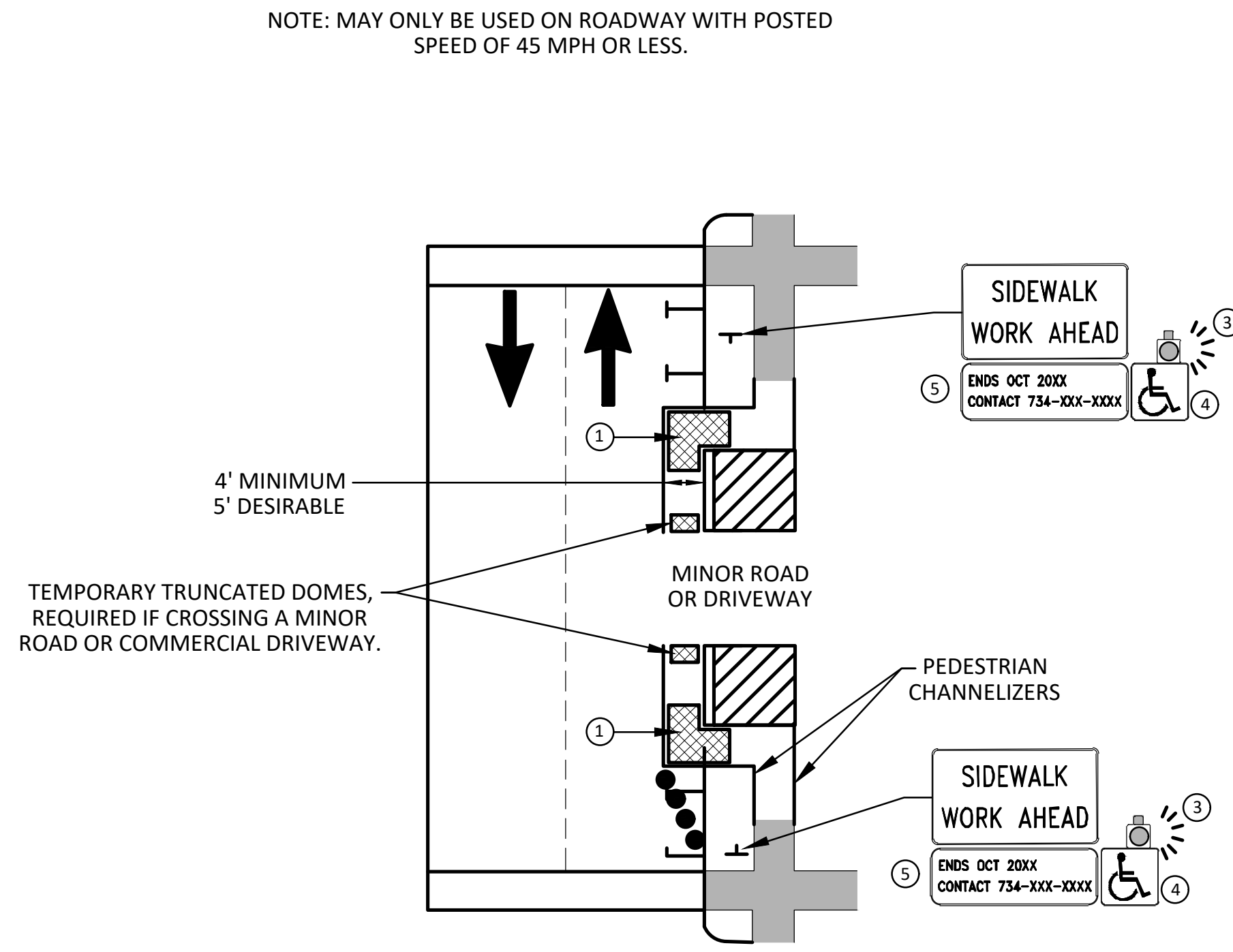
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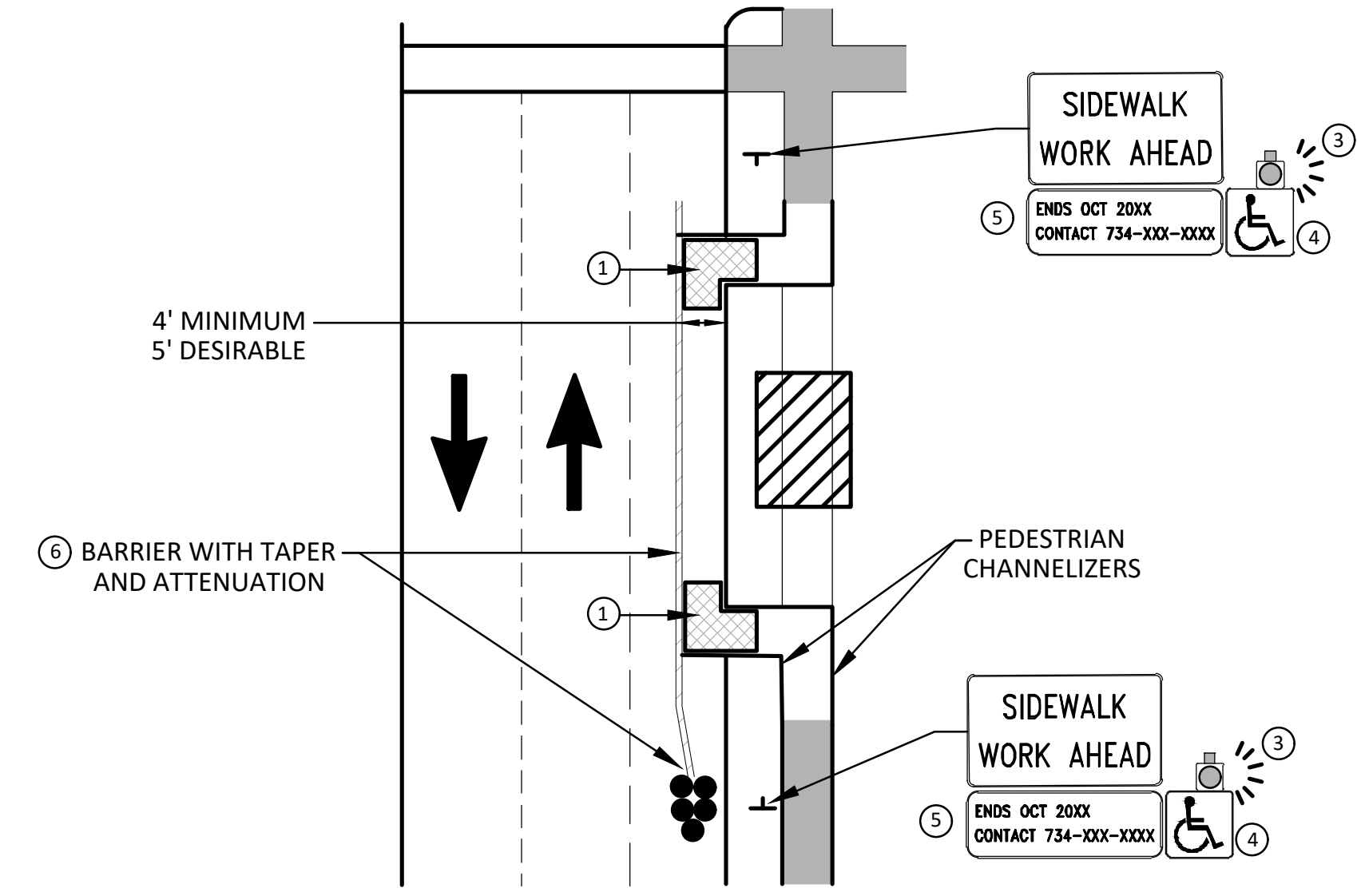
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**BYPASS ON ADJACENT AVAILABLE
RIGHT OF WAY
BYPASS TYPE A**



**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.

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 A TRAFFIC CONTROL DEVICE 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. 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.

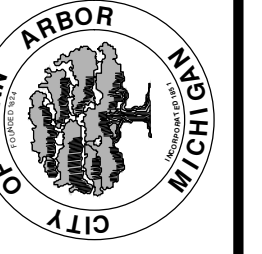
LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE



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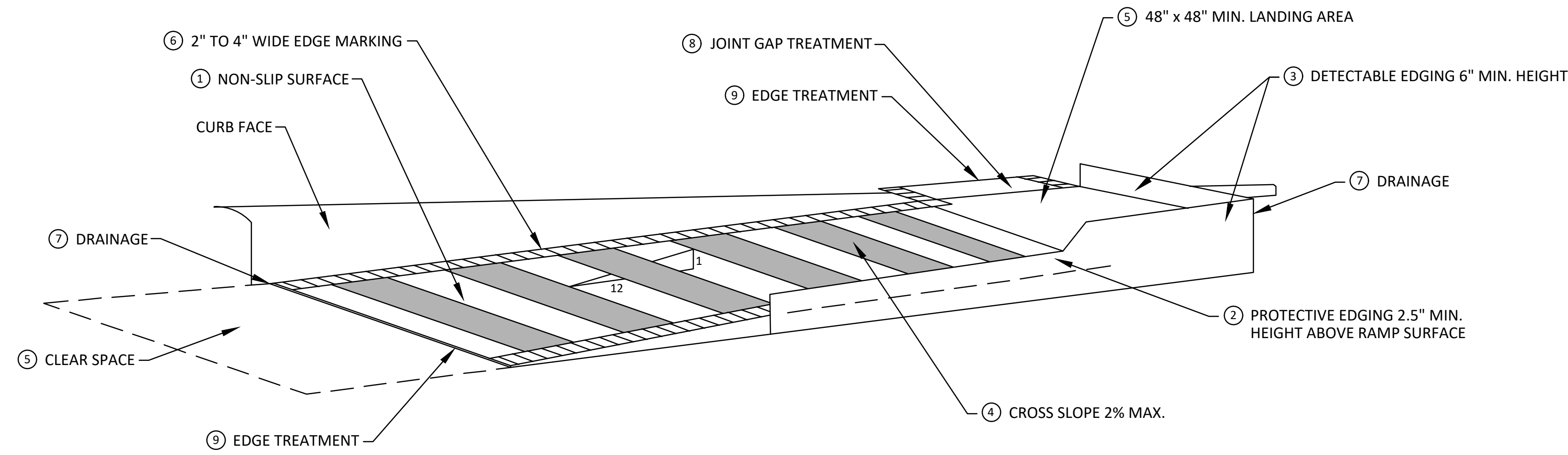
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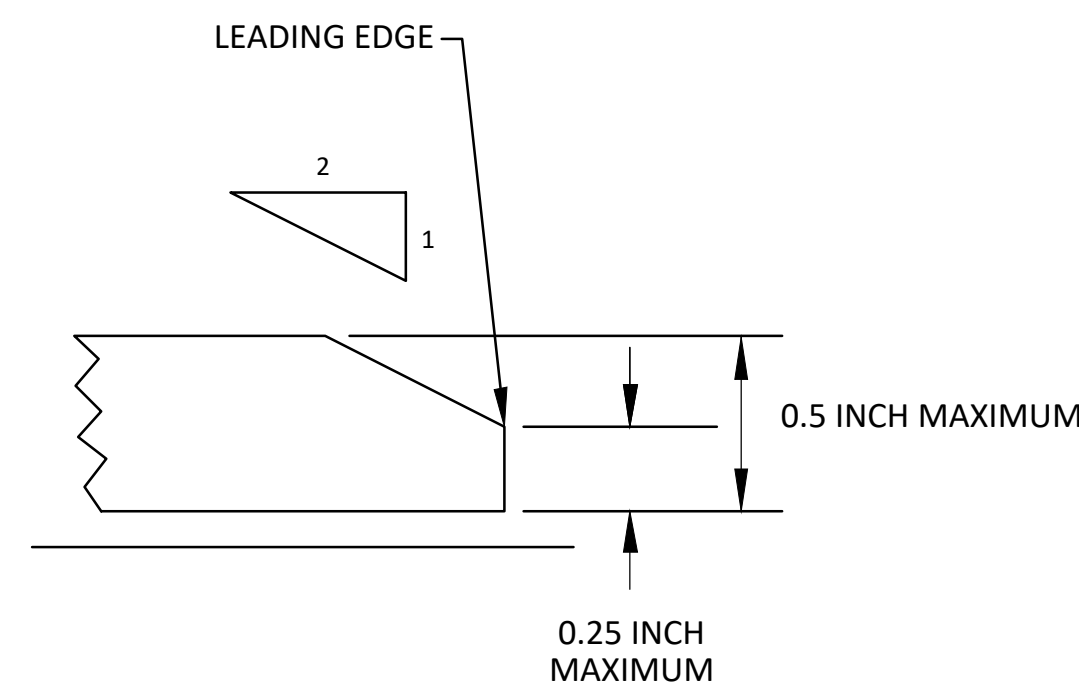
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
PITTSFIELD VILLAGE IMPROVEMENTS
TAPR DETAILS - ALTERNATE PEDESTRIAN ROUTE (APR) BYPASS

SCALE: N.T.S.
DRAWING No. 2022-031-159

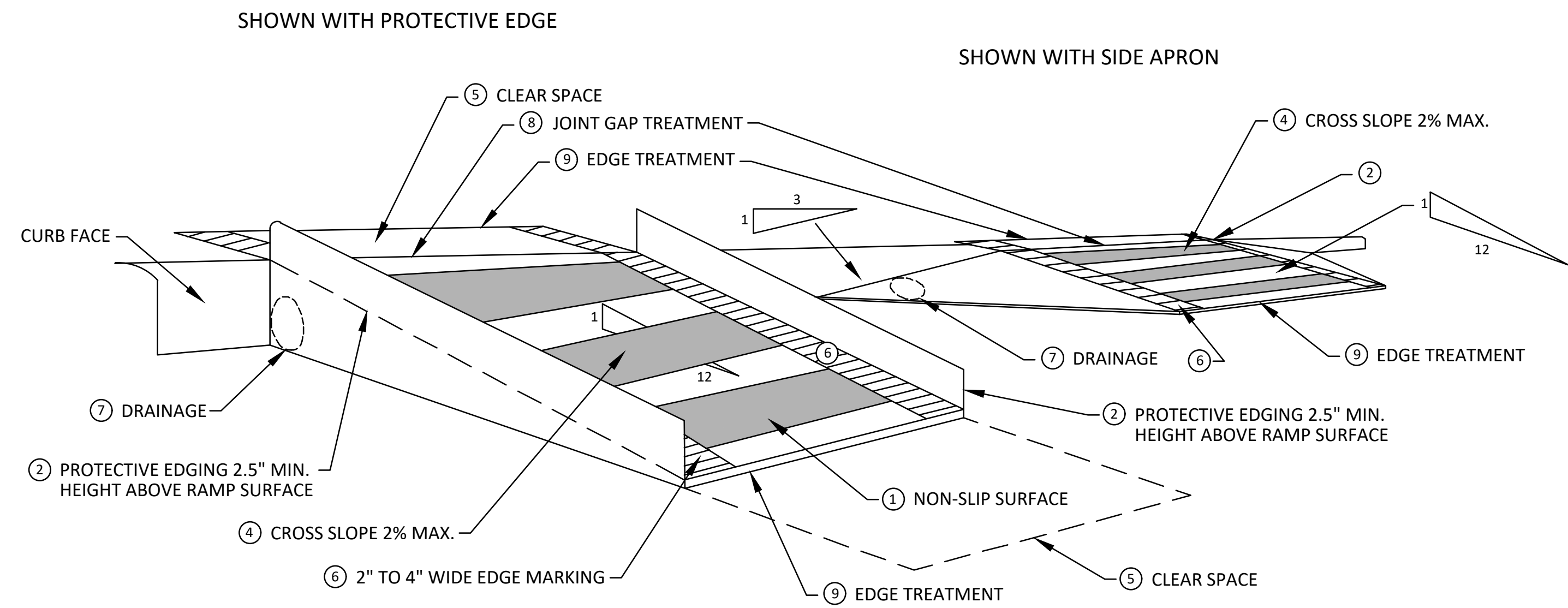
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**TEMPORARY CURB RAMP
PARALLEL TO CURB**



EDGE TREATMENT



**TEMPORARY CURB RAMP
PERPENDICULAR TO CURB**

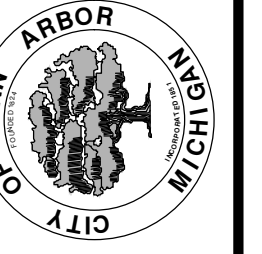
SPECIFIC NOTES

- 1 CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. 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.
- 2 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).
- 3 CURB RAMPS AND LANDINGS SHALL HAVE A 2% MAX. CROSS SLOPE.
- 4 CLEAR SPACE OF 48" x 48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- 5 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.
- 6 WATER FLOW IN THE GUTTER SYSTEM SHALL NOT BE IMPEDED.
- 7 LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
- 8 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.



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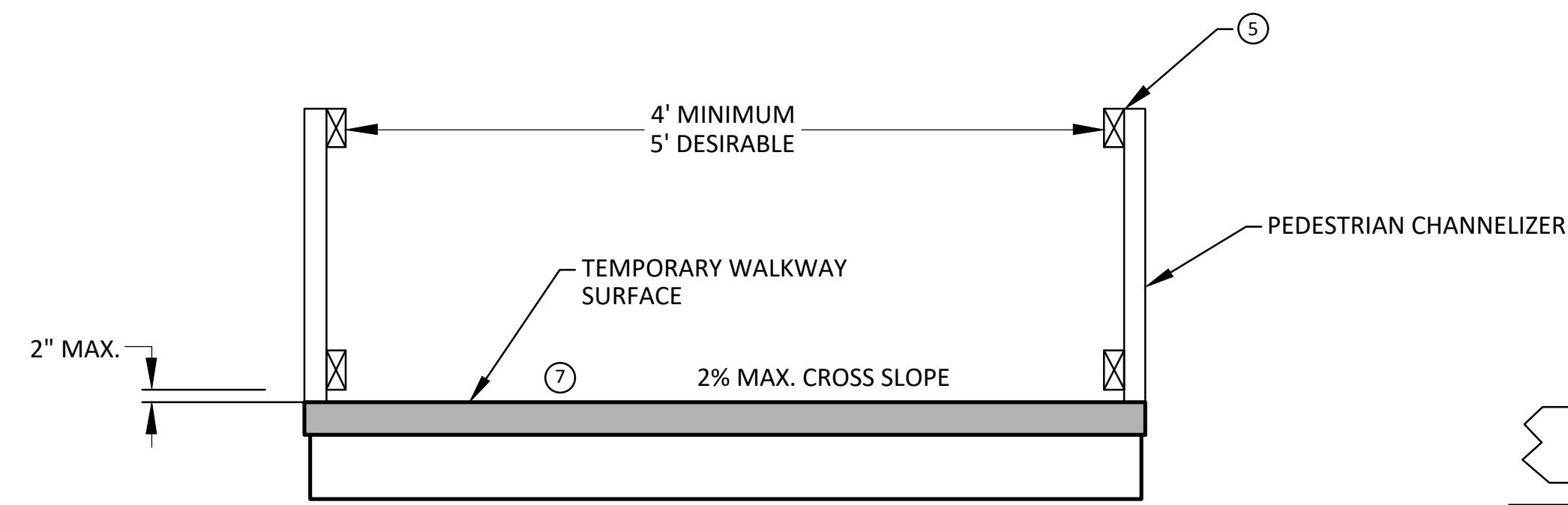
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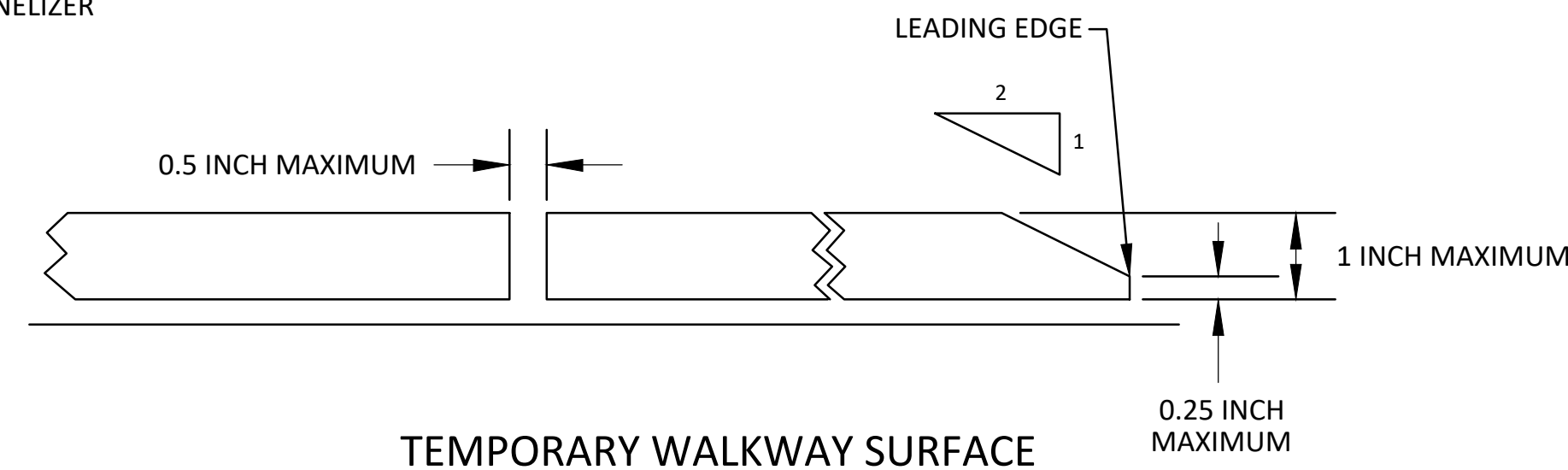
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TAPR DETAILS - TPAR RAMPS

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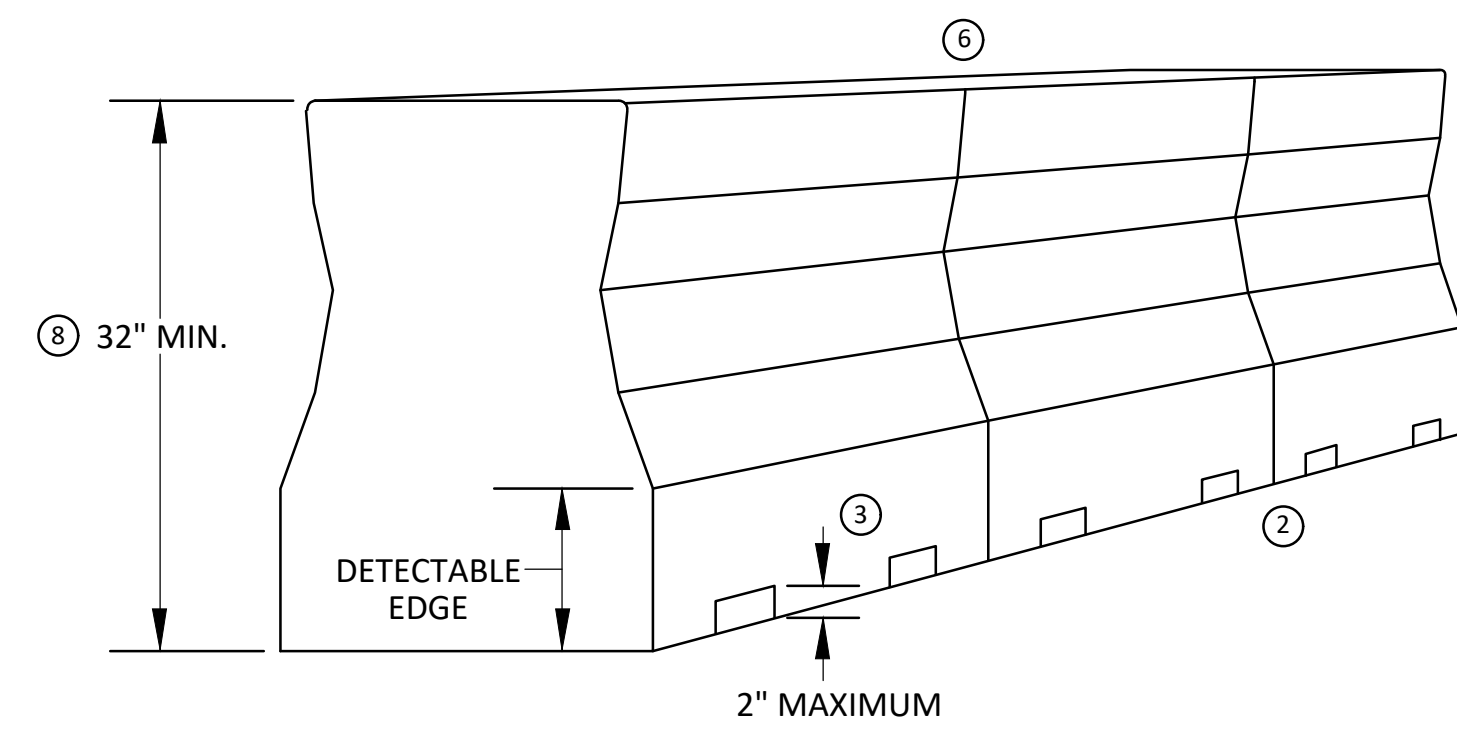
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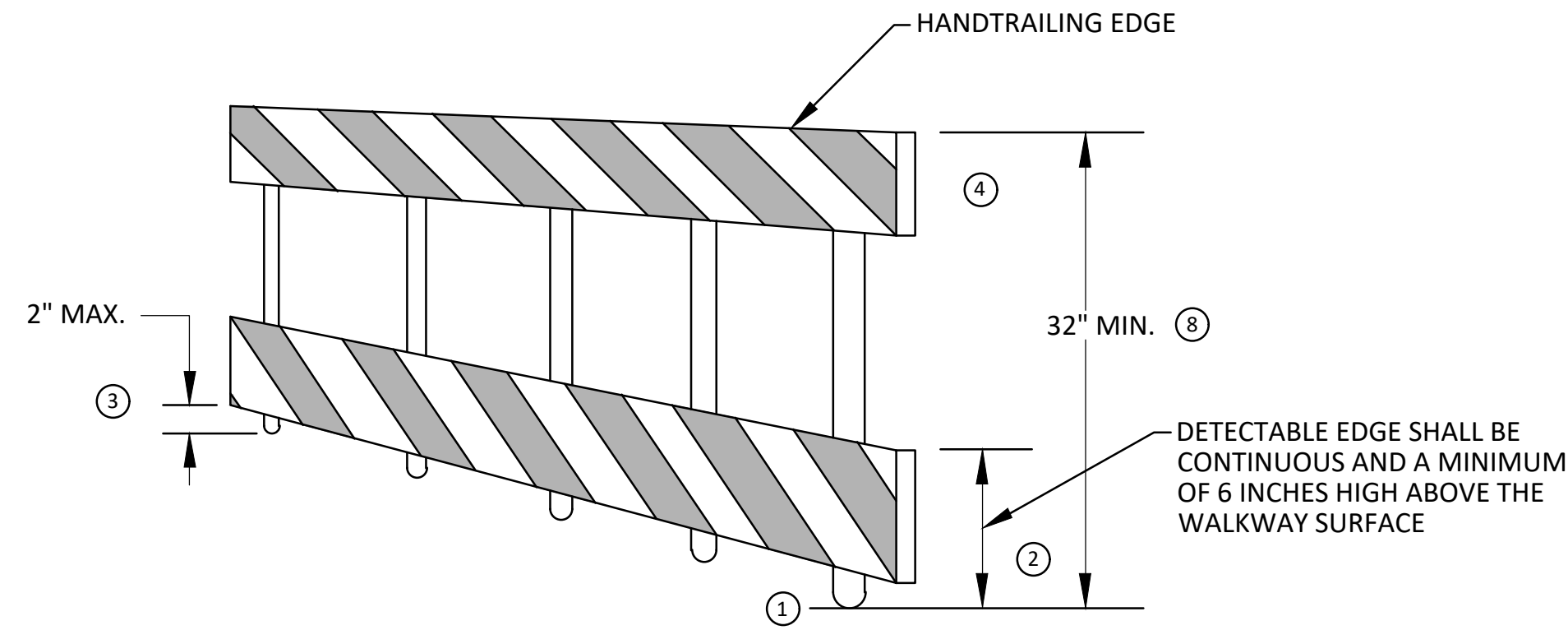
TEMPORARY PEDESTRIAN ACCESS



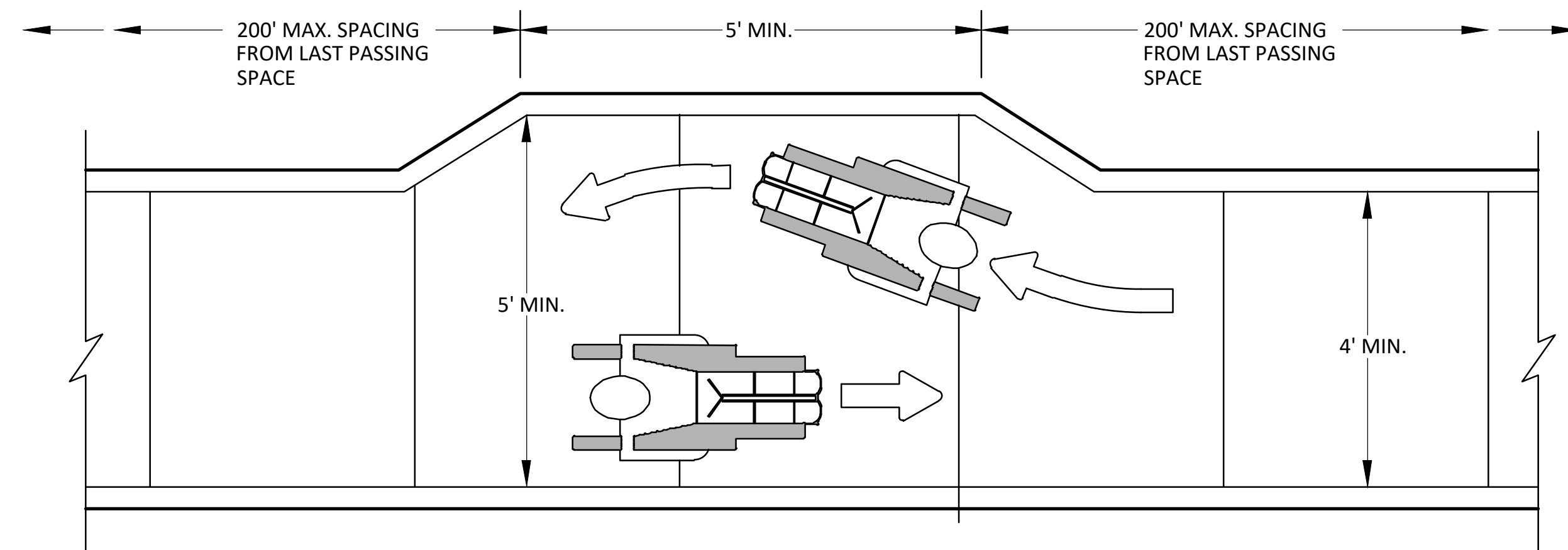
TEMPORARY WALKWAY SURFACE



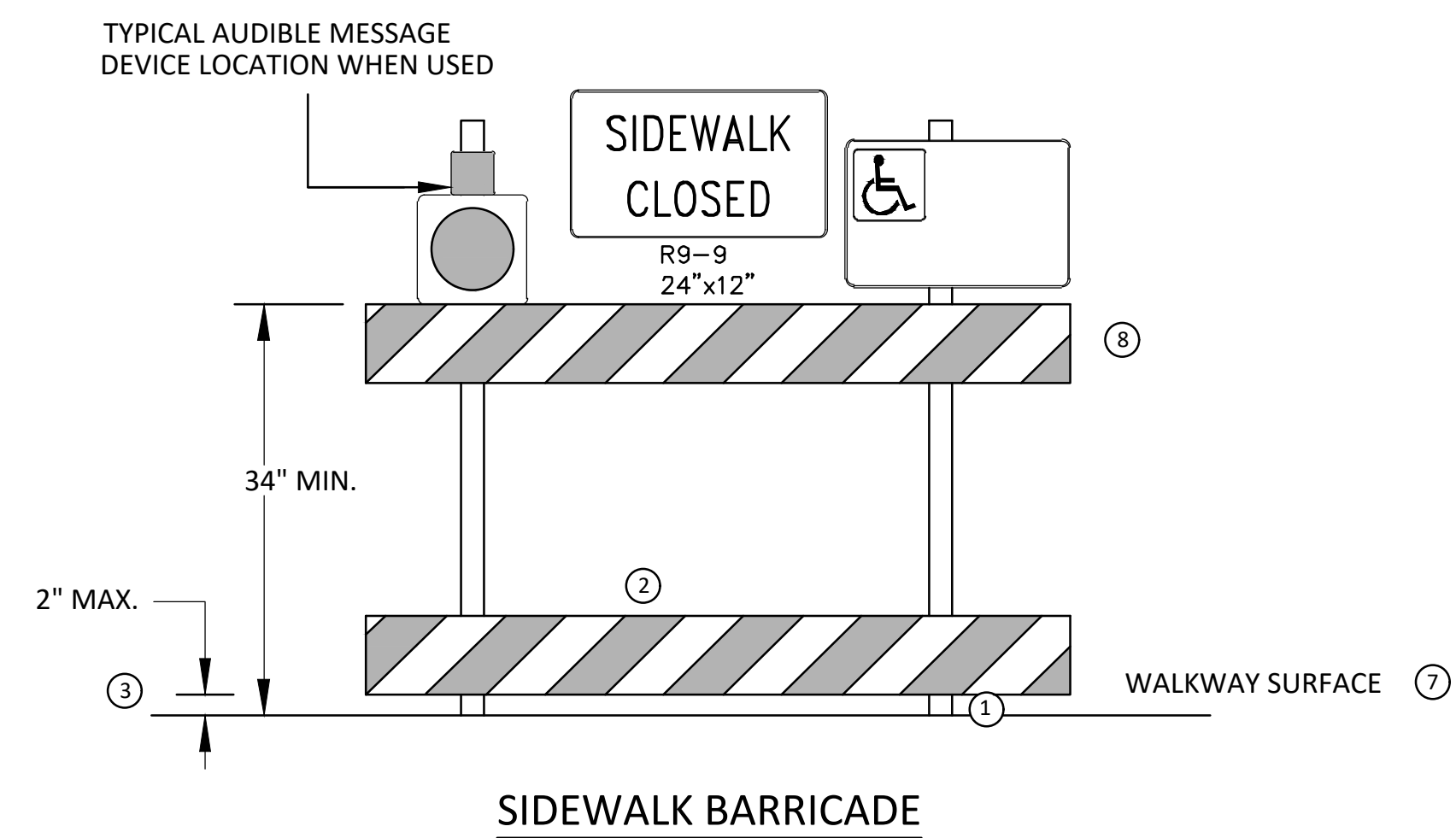
PEDESTRIAN CHANNELIZER USING A BARRIER
(MINIMUM REQUIREMENTS)



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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