PROPOSED

LEGEND

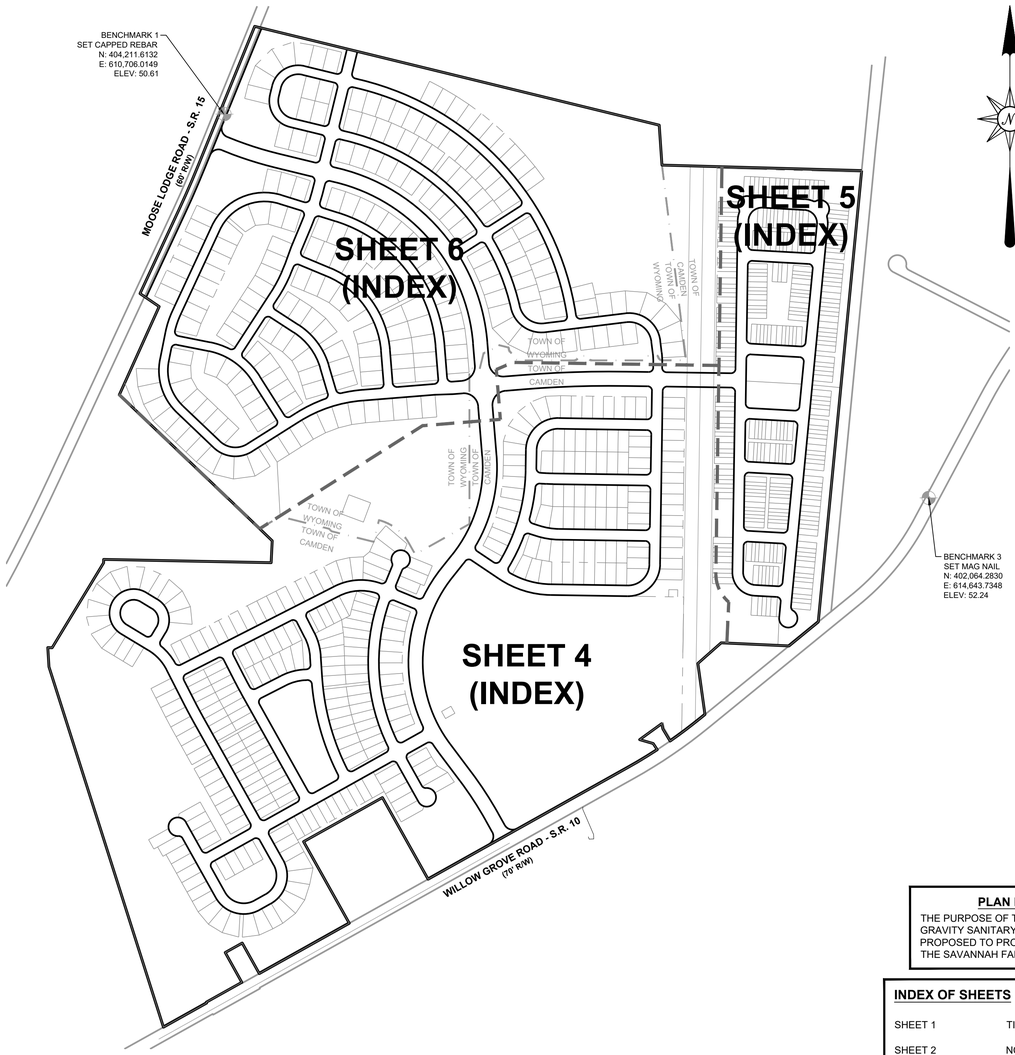
EXISTING

BOUNDARY
CENTERLINE
RIGHT OF WAY
EASEMENT
LOD — LIMITS OF DISTURBANCE
SIDEWALK
CURB
3 — LOT NUMBER
LOT LINES
SS — SANITARY SEWER LINE — SS
SANITARY MANHOLE
STORM SEWER PIPE — ST
CATCH BASIN
STORM SEWER MANHOLE
8"W — WATER LINE
FH — FIRE HYDRANT
WATER VALVE
TREES / TREELINE
TURF TRAIL

SANITARY SEWER CONSTRUCTION PLANS
FOR

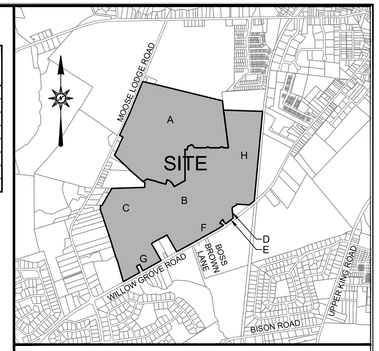
SAVANNAH FARMS

TOWNS OF CAMDEN & WYOMING - KENT COUNTY, DELAWARE



PARCEL INFORMATION TABLE

LOT	TAX PARCEL No.	OWNER	MUNICIPALITY	ZONE
A	7-20-09400-01-1000-00001	SAVANNAH FARMS, INC.	WYOMING	R1
B	7-02-09304-01-0100-00001	SAVANNAH FARMS, INC.	CAMDEN	R3
C	7-02-09304-01-0200-00001	SAVANNAH FARMS II, LLC	CAMDEN	R3
D	7-02-09400-01-3300-00001	SAVANNAH FARMS II, LLC	CAMDEN	R3
E	7-02-09400-01-3400-00001	SAVANNAH FARMS II, LLC	CAMDEN	R3
F	7-02-09400-01-3500-00001	SAVANNAH FARMS II, LLC	CAMDEN	R3
G	7-02-09304-01-0300-00001	SAVANNAH FARMS II, LLC	CAMDEN	R3
H	7-02-09400-01-2100-00001	SAVANNAH FARMS, INC.	CAMDEN	R3



LOCATION MAP 1"= 2,000'

SANITARY SEWER REFERENCE TABLE

STREET NAME	TOTAL NUMBER OF MANHOLES	TOTAL LINEAR FEET OF GRAVITY SANITARY SEWER PIPE						TOTAL LINEAR FEET OF FORCE MAIN (PVC DR-18)		PLAN SHEET(S)
		PVC SDR-26			DIP CL 50					
		8 INCH	10 INCH	12 INCH	8 INCH	10 INCH	12 INCH	6 INCH	8 INCH	
ABERCORN STREET	8	1,556	-	-	-	-	-	-	-	B07, B08
ALLYN CIRCLE	8	963	-	-	-	-	-	-	-	B19
BAIRD LANE	7	255	-	-	-	1,146	-	-	280	B31,B32
BARROW STREET	2	346	-	-	-	-	-	-	-	B36
BERNARD LANE	6	890	-	-	-	-	-	-	-	B16
BEVERLY COURT	2	239	-	-	-	-	-	-	-	B17
BOUHAN DRIVE	2	223	-	-	-	-	-	-	-	B38
BRANDLE WAY	6	843	-	-	-	-	-	-	-	B12
BROUGHTON STREET	16	1,242	996	-	-	56	-	-	-	B49, B50, B51
CAROLAN STREET	2	-	-	-	-	524	-	-	-	B56
CHARLTON LANE	5	817	-	-	-	-	-	-	-	B39
COMER STREET	2	301	-	-	-	-	-	-	-	B15
COYLE WAY	5	897	-	-	-	-	-	-	-	B18
CROSSBROOK PLACE	22	3,254	-	-	177	-	-	-	157	B33, B34, B35
DENSLER STREET	3	528	-	-	-	-	-	-	-	B48
DRAYTON DRIVE	2	386	-	-	-	-	-	-	-	B36
DUKE COURT	2	318	-	-	-	-	-	-	-	B11
GARY COURT	1	195	-	-	-	-	-	-	-	B13
GASTON STREET	2	275	-	-	-	-	-	-	-	B37
GWINNETT DRIVE	9	1,768	-	-	-	-	-	-	-	B53, B54
HABERSHAM WAY	8	797	-	-	-	-	-	-	-	B52
HARRIS STREET	4	533	-	-	-	-	-	-	-	B47
KRENSON LANE	2	512	-	-	-	-	-	-	-	B24
LEWDEN STREET	4	802	-	-	-	-	-	-	-	B14
MARIENE ROE BOULEVARD	1	123	-	-	-	-	-	2,702	-	B13
NORWOOD STREET	2	258	-	-	-	-	-	-	-	B37
OGLETHORPE AVENUE	9	1,190	-	-	303	-	-	-	-	B09, B10
PAULSEN WAY	5	889	-	-	-	-	-	-	-	B46
PERRY DRIVE	8	1,398	-	-	-	-	-	-	-	B22, B23
POUNDER STREET	3	549	-	-	-	-	-	-	-	B25
RIERDON WAY	7	-	-	-	1,362	-	-	-	-	B44, B45
SIGLER PLACE	7	893	-	-	-	-	-	-	-	B17
WALDBURG LANE	13	1,117	-	-	738	-	-	1,079	-	B22, B23
WEXLER AVENUE	23	3,232	-	-	-	-	-	-	-	B40, B41, B42, B43
WHITEFIELD LANE	3	-	352	-	-	-	-	-	-	B55
OFF-STREET	31	1,740	-	-	827	1,423	38	331	577	B8-A, B13, B26, B27, B28, B29, B38, B45
TOTAL	**242**	**29,329**	**1,348**	**-**	**3,407**	**3,149**	**38**	**4,112**	**1,014**	

NOTES:
1. ALL SANITARY SEWER MAIN AND SERVICE LATERAL PVC PIPE MATERIAL SHALL BE PVC SDR-26, EXCEPT WHERE DEPTH EXCEEDS 14 FEET, MAINS SHALL BE DIP CL-50.
2. ANY PORTION OF A GRAVITY SANITARY SEWER LATERAL LOCATED WITHIN A PUBLIC RIGHT-OF-WAY MUST BE 6" DIAMETER SDR-26 AND HAVE A MINIMUM SLOPE OF 2.0%.
3. SCHEDULE 40 PVC MAY BE PROVIDED FROM THE CLEANOUT TO THE HOUSE. REFER TO DETAIL S-3 ON SHEET 58.
4. ALL SEWER SERVICE CLEANOUTS LOCATED WITHIN PAVED AREAS (DRIVEWAY OR SIDEWALK) SHALL HAVE TRAFFIC LOAD RATED COVERS PROVIDED, INSTALLED IN ACCORDANCE WITH DETAIL S-11 ON SHEET 58.
5. FOR SANITARY FORCE MAIN DESIGN DATA, SEE PUMP STATION AND FORCE MAIN PLANS FOR SAVANNAH FARMS

PLAN PURPOSE NOTE

THE PURPOSE OF THIS PLAN IS TO DEPICT THE GRAVITY SANITARY SEWER MAIN CONSTRUCTION PROPOSED TO PROVIDE SEWER SERVICE FOR THE SAVANNAH FARMS SUBDIVISION

INDEX OF SHEETS

SHEET 1	TITLE SHEET
SHEET 2	NOTES & LEGEND
SHEET 3	PHASING PLAN
SHEETS 4-6	SHEET INDEX
SHEETS 7-56	SANITARY SEWER PLANS & PROFILES
SHEETS 57-58	SANITARY SEWER DETAILS
SHEETS 59-63	SANITARY LATERAL CHARTS

CWSWA APPROVAL BLOCK:

CERTIFICATION OF EQUITABLE OWNER

D.R. HORTON - DELAWARE DIVISION HEREBY CERTIFIES THAT IT IS THE EQUITABLE OWNER OF THE PROPERTY WHICH IS SUBJECT OF THIS PLAN AND THAT THIS PLAN IS MADE AT ITS DIRECTION.

3/18/26
TAVNER R. VANTREASE, JR. — DATE
D. R. HORTON INC, LLC - NEW JERSEY
671 S. CARTER ROAD, SUITE 6
SMYRNA, DE 19977

CERTIFICATION OF PLAN ACCURACY

I, MICHAEL J. KASZYSKI, JR., P.E., HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF DELAWARE AND THAT TO THE BEST OF MY KNOWLEDGE, THE INFORMATION ON THIS PLAN IS TRUE AND CORRECT TO THE ACCURACY REQUIRED BY ACCEPTED ENGINEERING STANDARDS AND PRACTICES AS REQUIRED BY THE APPLICABLE LAWS OF THE STATE OF DELAWARE.

09-02-2026
MICHAEL J. KASZYSKI, JR., P.E. — DATE
LICENSE NO. 15284

MICHAEL J. KASZYSKI, JR. No. 15284 DELAWARE PROFESSIONAL ENGINEER

CERTIFICATION OF PLAN APPROVAL

CAMDEN WYOMING SEWER AND WATER AUTHORITY ENGINEER

CAMDEN WYOMING SEWER AND WATER AUTHORITY SUPERINTENDENT

811 Know what's below. Call before you dig.
MISS UTILITY DELAWARE CALL 811
PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	6/23/2026	REVISED PER CWSWA COMMENTS 6/7
3	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO — DATE 9-12-2024
CHECKED BY MJK — SCALE 1"=400'

MICHAEL J. KASZYSKI, JR. No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B01-B06	1 OF 63

COVER SHEET
SANITARY SEWER CONSTRUCTION PLAN
FOR
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

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GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL MEASURES TO PROTECT STOCKPILE AREAS AND STORAGE AREAS. ALL AREAS USED BY THE CONTRACTOR FOR STAGING OPERATIONS SHALL BE FULLY RESTORED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT. IF THE STAGING AREA IS PAVED, IT SHALL BE RESTORED TO ITS ORIGINAL CONDITION. IF THE STAGING AREA IS UNPAVED, IT SHALL BE RE-GRADED, TOPSOILED, SEEDED AND MULCHED TO THE SATISFACTION OF THE ENGINEER. ALL COSTS ASSOCIATED WITH RESTORATION OF THE STAGING AREA SHALL BE AT THE CONTRACTOR'S EXPENSE. IF THE ENGINEER DETERMINES THAT A SATISFACTORY STAND OF GRASS DOES NOT EXIST AT THE TIME OF FINAL INSPECTION, ALL COSTS ASSOCIATED WITH RE-ESTABLISHING A SATISFACTORY STAND OF GRASS SHALL BE AT THE CONTRACTOR'S EXPENSE.

2. EQUIPMENT AND/OR STOCKPILE MATERIAL SHALL NOT BE STORED IN THE DRIPLINE AREA OF ANY TREE.

3. THE CONTRACTOR SHALL CONTACT CWSWA AT 302-697-6372 AT LEAST 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION.

4. THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELMARVA AT 1-800-282-8555 FOR UTILITY LOCATIONS WITHIN AND SURROUNDING CONSTRUCTION AREAS NOT LESS THAN 3 DAYS BEFORE PERFORMING ANY EXCAVATION.

5. THE CONTRACTOR SHALL ESTABLISH BENCHMARK ELEVATION DATUM IN ACCORDANCE WITH CWSWA .

6. THE CONTRACTOR SHALL PROVIDE TEMPORARY SEED AND MULCH FOR ALL AREAS WHERE SOIL IS EXPOSED AND SILT FENCE IS NOT SPECIFIED, BY THE CLOSE OF EACH BUSINESS DAY.

7. THE CONTRACTOR SHALL MAINTAIN PUBLIC ROADS AND STREETS IN A BROOM SWEPT CONDITION AT ALL TIMES.

8. PIPE JOINTS TO BE RESTRAINED ARE SHOWN ON THE DRAWINGS.

9. THE CONTRACTOR SHALL USE ONLY NEW MATERIALS, PARTS, AND PRODUCTS. ALL MATERIALS SHALL BE STORED SO AS TO ASSURE THE PRESERVATION OF THEIR QUALITY AND FITNESS FOR THE INTENDED WORK.

10. MAINTENANCE OF TRAFFIC - ALL WORK SHALL BE PERFORMED IN A MANNER THAT WILL ENSURE THE LEAST PRACTICABLE OBSTRUCTION TO TRAFFIC CONSISTENT WITH SAFETY AND SHALL COMPLY WITH THE DEPARTMENT MANUAL ENTITLED "TRAFFIC CONTROLS FOR STREETS AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY AND EMERGENCY OPERATIONS". THE MOST CURRENT VERSION OF THIS MANUAL IN EFFECT AT THE TIME OF CONSTRUCTION SHALL BE USED. HEREINAFTER, THIS MANUAL SHALL BE REFERRED TO AS THE "TRAFFIC CONTROL MANUAL". THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER BEFORE THE START OF THE PROJECT.

11. ALL UTILITIES PLOTTED ON THE DRAWINGS ARE FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR, PRIOR TO LAYING A RUN OF PIPE OR OTHER INVOLVED CONSTRUCTION, SHALL EXCAVATE WITHIN THE ALIGNMENT AT POINTS OF POSSIBLE CONFLICT TO DETERMINE IF A CONFLICT EXISTS. ANY CONFLICTS SHALL BE COORDINATED BY THE CONTRACTOR WITH THE ENGINEER AND THE UTILITY INVOLVED. THE ENGINEER SHALL DETERMINE THE SOLUTION. EXCAVATING, BACKFILLING AND RESTORATION OF THE TEST HOLES AS REQUIRED FOR UTILITY INVESTIGATIONS SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE UTILITIES AS SHOWN ON THE PLANS.

12. CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE EXECUTION OF THIS CONTRACT.

13. ALL CONSTRUCTION SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER, CWSWA DEPARTMENT OF PUBLIC WORKS (DPW), DELAWARE DEPARTMENT OF TRANSPORTATION (DELDOT) AND ALL RESPECTIVE UTILITY OWNER/S IN ACCORDANCE WITH ALL APPLICABLE CONTRACT DRAWINGS AND SPECIFICATIONS.

14. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY AND PROTECTION.

15. THE CONTRACTOR SHALL INSTALL THE PROPOSED SANITARY SEWER WITH A MINIMUM OF 12 INCHES (1 FT) OF VERTICAL CLEARANCE FROM OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 10 FT. BETWEEN WATER MAINS AND SANITARY SEWERS (BOTH EXISTING AND PROPOSED MAINS). IN CASES WHERE THIS MINIMUM HORIZONTAL CLEARANCE IS NOT SHOWN OR FEASIBLE, THE CONTRACTOR MAY INSTALL THE PROPOSED SANITARY SEWER LESS THAN 10 FT. FROM EXISTING WATER LINES, PROVIDED ALL EXISTING WATER MAINS REMAIN ON AN UNDISTURBED EARTH SHELF IN A SEPARATE TRENCH FROM THE PROPOSED SANITARY SEWER MAINS AND THERE IS AT LEAST 18 INCHES OF VERTICAL CLEARANCE WITH THE WATER MAIN HIGHER THAN THE SEWER. IF VERTICAL CLEARANCE BETWEEN PROPOSED SANITARY SEWER AND EXISTING WATER MAINS IS LESS THAN 18 INCHES, THE CONTRACTOR SHALL CONCRETE ENCASE THE SANITARY SEWER PIPING A MINIMUM OF 10 FT. ON EACH SIDE OF THE WATER MAIN CROSSING OR 10 FT. BEYOND THE LIMITS WHERE VERTICAL CLEARANCE IS NOT MAINTAINED.

16. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL MATERIALS FOR APPROVAL TO THE OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL MATERIALS ORDERED AND INSTALLED PRIOR TO THE OWNER'S REVIEW AND ACCEPTANCE WILL BE AT THE CONTRACTOR'S RISK.

17. THE CONTRACTOR SHALL OPEN ONLY THAT SECTION OF TRENCH OR ACCESS PITS WHICH CAN BE BACKFILLED AND STABILIZED AT THE END OF EACH WORKING DAY. STEEL PLATES SHALL BE USED ON ANY TRENCH OR ACCESS PITS WHICH MUST REMAIN OPEN OVERNIGHT. THIS REQUIREMENT DOES NOT APPLY TO AREAS COMPLETELY CLOSED AND SECURE FROM VEHICULAR OR PEDESTRIAN TRAFFIC.

18. "MANHOLE" SHALL INCLUDE PRECAST STRUCTURE, BEDDING, CONNECTION TO EXISTING AND PROPOSED SANITARY PIPING, FRAME AND COVER AND RELATED APPURTENANCES. SEE MANHOLE DETAILS AND APPLICABLE SPECIFICATIONS.

19. SANITARY SEWER PIPE AND FITTINGS SHALL BE TYPE PSM, POLYVINYL CHLORIDE (PVC) MATERIAL WITH A MINIMUM CELL CLASSIFICATION OF 12454B AND COMPLYING WITH ASTM D1784; INSIDE NOMINAL DIAMETER AS INDICATED ON THE DRAWINGS; BELL AND SPIGOT STYLE RUBBER RING SEALED ELASTOMERIC LOCKED-IN GASKET JOINT COMPLYING WITH ASTM F477.

    SANITARY SEWER PIPE AND FITTINGS - 4 INCHES THROUGH 15 INCHES,
    UP TO 14 FEET DEEP: ASTM D3034 - PVC SDR-26 PIPE ASTM F1336 - PVC SDR-26 FITTINGS
    OVER 14 FEET DEEP: ASTM A746 / ANSI C150 - DIP CL50 PIPE. AWWA C110/A21.10 FOR DIP FITTINGS

20. SANITARY SEWER COUPLINGS SHALL BE FULL, SOLID PIPING, FITTINGS, AND OTHER APPURTENANCES WITH INTEGRAL GASKETS, COMPATIBLE WITH THE EXISTING SDR 35 PVC PIPING IN AGREEMENT WITH CURRENT ASTM & AWWA STANDARDS.

21. SADDLES SHALL BE PVC CORRECTLY CONTOURED FOR OUTSIDE DIAMETER OF PIPE AND INCORPORATING RING GASKET BELL OUTLET.

22. PIPE PLUGS SHALL BE DESIGNED FOR PERMANENT INSTALLATION AND SHALL BE REMOVABLE. OBTAIN PLUGS FOR VARIOUS TYPES OF PIPE USED FROM THE RESPECTIVE PIPE MANUFACTURER.

23. ALL PVC SANITARY SEWER SHALL BE MARKED WITH LINEGUARD TYPE III DETECTABLE TAPE, AS MANUFACTURED BYT LINEGUARD, INC., WHEATON ILLINOIS, OR APPROVED EQUIVALENT. TAPE SHALL BE A MINIMUM OF 3 INCHES WIDE, GREEN IN COLOR, IMPRINTED WITH THE WORDS "CAUTION - SEWER LINE BELOW", AND BE CAPABLE OF BEING DETECTED BY INDUCTIVE METHODS. TAPE SHALL BE INSTALLED 18" ABOVE THE PIPE. ALL FORCE MAINS SHALL BE INSTALLED WITH A MINIMUM OF 12 GAUGE TRACER WIRE MANUFACTURED WITH A HIGH DENSITY POLYETHYLENE JACKET DESIGNED FOR DIRECT BURY, INSTALLED 18" ABOVE THE PIPE.

24. FINAL APPROVED SET OF PLANS AND SPECIFICATIONS SHALL BE MAINTAINED ON THE JOB SITE. FAILURE TO COMPLY WITH THIS PROVISION SHALL BE CONSIDERED CAUSE TO STOP THE WORK.

25. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF CONTRACT DRAWINGS ON WHICH HE SHALL NOTE, IN RED, THE ALIGNMENTS AND INVERTS OF ALL UNDERGROUND UTILITIES THAT ARE INSTALLED OR ENCOUNTERED DURING THE PROSECUTION OF THE WORK. ALL DISCREPANCIES BETWEEN THE PLAN LOCATIONS AND ELEVATIONS OF BOTH THE EXISTING AND PROPOSED UTILITIES SHALL BE SHOWN ON THE AS-BUILT DRAWINGS TO BE MAINTAINED BY THE CONTRACTOR IN THE FIELD.

26. ROUTINE PERIODIC INSPECTIONS DURING CONSTRUCTION WILL BE PROVIDED BY THE OWNER. THESE INSPECTIONS DO NOT RELIEVE THE CONTRACTOR FROM HIS OBLIGATION AND RESPONSIBILITY FOR CONSTRUCTING A SANITARY SEWER SYSTEM IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE OWNER.

27. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO LOCATE PROPERTY LINES AND RIGHT OF WAY LINES PRIOR TO CONSTRUCTION AND AVOID CONSTRUCTION ACTIVITIES ON PRIVATE PROPERTY AND/OR RIGHTS OF WAYS WHERE SAID CONSTRUCTION IS PROHIBITED. THE CONTRACTOR MAY CONDUCT CONSTRUCTION ACTIVITIES ON PRIVATE PROPERTY PROVIDED HE HAS OBTAINED PRIOR WRITTEN PERMISSION FROM THE PROPERTY OWNER AND HAS SUBMITTED A COPY OF SAID WRITTEN PERMISSION TO THE DIRECTOR OF THE CWSWA DEPARTMENT OF PUBLIC WORKS.

GENERAL NOTES CONTINUED

28. ANY REQUIRED EASEMENTS, PERMITS AND APPROVALS SHALL BE ACQUIRED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF SANITARY SEWER CONSTRUCTION.

29. STRUCTURES AND/OR THRUST BLOCKING HAVE BEEN DESIGNED BASED ON THE FOLLOWING.

    A. A MINIMUM 3,000 PSF PASSIVE SOIL BEARING CAPACITY.
    B. A MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH OF 3,500 PSI (EXCEPT FOR PRECAST CONCRETE).
    C. TEST PRESSURE (WORKING PLUS SURGE) IS 100 PSI.
    D. DEPTH FROM FINISHED GRADE TO TOP OF PIPE ASSUMED TO BE THREE (3) FEET OR DEEPER.
    E. EXISTING SOIL CONDITIONS ARE NOT SOFT OR ORGANIC.

    DIFFERING SITE CONDITIONS AND/OR DIFFERING MATERIAL PROPERTIES SHALL REQUIRE CWSWA DPW APPROVAL OF SPECIAL DESIGN DETAILS PREPARED BY THE DESIGN ENGINEER PRIOR TO INITIATING OR RESUMING CONSTRUCTION ACTIVITIES.

    THE CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOLLOWING EXCAVATIONS FOR INSPECTION AND EVALUATION OF EXISTING SOIL SUBGRADE CONDITIONS BY THE CONSTRUCTION ENGINEER (AGENT FOR CWSWA DPW). THE CONSTRUCTION ENGINEER SHALL INSPECT ALL STRUCTURE AND THRUST BLOCKING SUBGRADE AND PIPELINE SUBGRADE FOLLOWING EXCAVATION AND PRIOR TO CONSTRUCTION OF NEW WORK TO CONFIRM DESIGN CONDITIONS ARE MET AND SUBGRADE CONDITIONS ARE SUITABLE FOR CONSTRUCTION. IN THE EVENT THE SOIL BEARING CAPACITY IS LESS THAN THE MINIMUM DESIGN VALUE, THE CONSTRUCTION ENGINEER SHALL CAUSE AFFECTED CONSTRUCTION TO CEASE AND SHALL NOTIFY THE DESIGN ENGINEER FOR RE-DESIGN TO ACCOMMODATE THE REDUCED SOIL BEARING CAPACITY.

    IN THE EVENT THE SUBGRADE CONDITION IS UNSTABLE, DUE TO UNSUITABLE MATERIALS AND/OR GROUNDWATER INFILTRATION/INTRUSION INTO THE SURROUNDING SOILS, AS DETERMINED BY THE CONSTRUCTION ENGINEER, THE CONTRACTOR SHALL, AS DIRECTED BY THE CONSTRUCTION ENGINEER, REMOVE THE UNSUITABLE MATERIAL AND FILL WITH SUITABLE APPROVED GRANULAR FILL MATERIAL.

30. PVC PRESSURE SEWER PIPE 12" AND SMALLER NOMINAL PIPE SIZE DIAMETER SHALL CONFORM TO ANSI/AWWA C900-16 STANDARD. PIPE SHALL MEET ASTM D1784 CELL CLASS 12454. GASKETS SHALL MEET ASTM F477 AND INTEGRAL BELL JOINT ASTM D3139.

31. DUCTILE IRON PRESSURE SEWER FITTINGS 3 INCHES TO 24 INCHES NOMINAL PIPE SIZE DIAMETER SHALL CONFORM TO AWWA C153; INTERIOR DOUBLE CEMENT LINED IN ACCORDANCE WITH ANSI A21.4/AWWA C104; OUTSIDE SURFACE BITUMINOUS COATED PER AWWA C151; AND POLYETHYLENE ENCASED PER AWWA C105.

32. RUBBER GASKET JOINTS, LUBRICANTS, GLANDS, BOLTS AND NUTS FOR DUCTILE IRON PRESSURE PIPE AND FITTINGS SHALL CONFORM TO AWWA C111, WITH MECHANICAL JOINTS FOR BURIED FITTINGS AND MECHANICAL OR PUSH-ON JOINTS FOR BURIED PIPING.

33. ALL PRESSURE SEWER PIPE JOINTS AND FITTING JOINTS SHALL BE RESTRAINED.

34. PRESSURE SEWER PIPE AND FITTINGS LOCATED INSIDE STRUCTURES SHALL BE FLANGED (SPECIAL THICKNESS CLASS 53) CONFORMING TO AWWA C115; AND PROTECTO 401 LINED-CERAMIC EPOXY COATING, MINIMUM THICKNESS OF 40 MILS. PIPING SHALL BE COATED WITH AN EXTERIOR TWO COAT EPOXY PAINT SYSTEM, AFTER INSTALLATION.

35. CONTRACTOR SHALL AT ALL TIMES MAINTAIN A SAFE AND DRY EXCAVATION. AT A MINIMUM THAT INCLUDES SHEETING AND SHORING FOR TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS AND SUFFICIENT DE-WATERING FOR A DRY SUB-GRADE.

EXISTING UNDERGROUND UTILITIES COORDINATION NOTES

1. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER OR THE ARCHITECT/ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION SHOWN. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED THAT THE LOCATIONS, SIZE AND TYPE OF MATERIALS OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH UTILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER OF HIS OPERATIONAL PLANS. IN THE EVENT OF AN UNEXPECTED UTILITY INTERFERENCE DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE.

2. PRIOR TO PERFORMING ANY EXCAVATION GREATER THAN 6 INCHES, THE CONTRACTOR SHALL COORDINATE WITH CWSWA DEPARTMENT OF PUBLIC WORKS AND ALL PRIVATE UTILITY COMPANIES TO DETERMINE THE LOCATION OF UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL ORGANIZATIONS THAT CONTROL EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA OR WOULD BE AFFECTED BY CONSTRUCTION WORK AROUND THE EXISTING UTILITIES.

3. THE CONTRACTOR SHALL NOT START EXCAVATION UNTIL ALL UTILITY LINE LOCATIONS HAVE BEEN STAKED OR OTHERWISE CLEARLY MARKED AND DOCUMENTATION FURNISHED TO THE OWNER. ALL MARKINGS SHALL BE CONSIDERED APPROXIMATE, AND UTILITIES OTHER THAN THOSE SHOWN SHALL BE CONSIDERED TO EXIST.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEFINITE LOCATION OF EACH UTILITY WITHIN THE WORK AREA. CARE SHOULD BE EXERCISED DURING EXCAVATION WORK TO AVOID DAMAGING OR DISRUPTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING (AT CONTRACTOR'S EXPENSE) DAMAGE TO ANY UTILITY CAUSED BY THE CONTRACTOR'S WORK.

5. WHERE EXISTING UNDERGROUND UTILITIES OR OTHER CONSTRUCTION ARE EXPECTED TO BE IN PROXIMITY TO PROPOSED CONSTRUCTION, OR WHEN APPROACHING EXISTING UTILITIES OR STRUCTURES FOR CONNECTIONS, THE CONTRACTOR SHALL DIG TEST PITS TO DETERMINE THE EXACT LOCATION AND INVERTS OF THE EXISTING UTILITY TO ALLOW FOR POSSIBLE CHANGES TO THE PROPOSED UTILITY IN LINE AND/OR GRADE. THE CONTRACTOR SHALL ALSO DIG TEST PITS IN THE LOCATION OF THE PROPOSED CONNECTIONS TO EXISTING UTILITIES AND SHALL MAKE ALL MEASUREMENTS NECESSARY TO ENSURE PROPER CONNECTION. ANY NECESSARY CHANGES IN LINE OR GRADE OF WORK CAUSED BY FAILURE TO TAKE SUCH PRECAUTIONS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

6. WHEN IT IS NECESSARY TO EXCAVATE NEAR OR INTERFERE WITH ANY SEWER LINE, WATER SERVICES, DRAIN PIPE, CATCH BASIN, CULVERT, OR OTHER STRUCTURES, THE CONTRACTOR SHALL MAINTAIN THE SAME IN WORKING ORDER AND SHALL REPAIR AND MAKE GOOD ANY DAMAGE DONE DURING THE PROGRESS OF THE WORK.

7. WHERE EXISTING UTILITIES CROSS THE TRENCH EXCAVATION, THEY SHALL BE ADEQUATELY SUPPORTED AND PROTECTED FROM DAMAGE DUE TO CONSTRUCTION. ALL METHODS FOR SUPPORTING AND MAINTAINING THESE UTILITIES SHALL BE SUBJECT TO REVIEW BY OWNER. CARE SHALL BE TAKEN TO ENSURE THAT THE EXISTING UTILITY GRADES AND ALIGNMENT ARE MAINTAINED AND THE PIPE JOINTS ARE NOT DISTURBED. BACKFILL SHALL BE CAREFULLY PLACED AND TAMPED TO PREVENT DAMAGE OR FUTURE SETTLEMENT. ANY DAMAGE OR MISALIGNMENT OF THE UTILITIES DUE TO CONSTRUCTION OR SETTLEMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

8. ANY UNPROTECTED CABLE (DIRECT BURIED) ENCOUNTERED THAT IS VERIFIED AS NOT ABANDONED IN PLACE SHALL BE PROTECTED. THE UTILITY OWNER MAY DIRECT THE CABLE BE PLACED IN SPLIT DUCT OF APPROPRIATE SIZE AND CONCRETE ENCASED THROUGH THE AREA OF CONSTRUCTION. CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO AVOID HAVING TO CUT AND SPLICE DIRECT BURIED CABLE. THE CONTRACTOR SHALL NOTE SPLIT DUCT PORTIONS ON AS-BUILTS.

9. ALL EXCESS EXCAVATED MATERIALS SHALL BE DISPOSED OF OFF COUNTY/STATE PROPERTY, EXCEPT FOR CONTAMINATED SOILS OR LIQUIDS. ALL CONTAMINATED SOILS AND LIQUIDS SHALL BE TRANSPORTED TO AN APPROVED RECEIVING SITE AS DIRECTED BY THE ENGINEER, FOR FINAL DISPOSITION.

10. INTERRUPTION OF EXISTING UTILITIES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AT THE DIRECTION OF THE UTILITY OWNER/S.

SANITARY SEWER NOTES:

1. SEWER FLOW DATA:

SINGLE FAMILY DETACHED:		250 G.P.D. X 437 = 109,250
SINGLE FAMILY SEMI-DETACHED/TOWNHOMES:		250 G.P.D. X 365 = 91,250
APARTMENTS:		250 G.P.D. X 312 = 78,000
TOTAL:		1,114 = 278,500
PEAK FLOW - SITE:	278,500 G.P.D. = 193.4 G.P.M. X 3.5 = 676.9 G.P.M. PEAK	
FUTURE FIFER SINGLE FAMILY DETACHED:		250 G.P.D. X 297 = 74,250
FUTURE JENKINS SINGLE FAMILY DETACHED:		250 G.P.D. X 223 = 55,750
TOTAL FUTURE AVERAGE:		130,000 G.P.D.
SAVANNAH FARMS AVERAGE:		278,500 G.P.D.
SITE PLUS FUTURE AVERAGE:		418,500 G.P.D.
PEAK FLOW - FUTURE:	418,500 G.P.D. = 290.6 G.P.M. X 3.5 = 1,071.1 G.P.M. PEAK	
LENGTH OF PROPOSED 8" PVC GRAVITY =	29,329 LF	
LENGTH OF PROPOSED 10" PVC GRAVITY =	1,348 LF	
LENGTH OF PROPOSED 12" PVC GRAVITY =	0 LF	
LENGTH OF PROPOSED 8" DIP GRAVITY =	3,407 LF	
LENGTH OF PROPOSED 10" DIP GRAVITY =	3,149 LF	
LENGTH OF PROPOSED 12" DIP GRAVITY =	38 LF	
NO. OF PROPOSED MANHOLES =	242	

2. SANITARY SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT CAMDEN-WYOMING SEWER AND WATER AUTHORITY (CWSWA) STANDARD SPECIFICATIONS FOR CONSTRUCTION, SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS, STANDARD DETAILS, AND THE RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES OR STRICTER STANDARDS IDENTIFIED BY THE ENGINEER.

3. THE CONTRACTOR(S) SHALL BE RESPONSIBLE TO OBTAIN APPROVAL AND ACCEPTANCE OF THE SANITARY SEWER SYSTEM BY CWSWA UPON COMPLETION OF CONSTRUCTION. AS-BUILT PLANS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF DELAWARE MUST BE SUBMITTED TO CWSWA FOR APPROVAL BEFORE ACCEPTANCE.

4. DURING CONSTRUCTION, THE CONTRACTOR MUST HAVE IN HIS POSSESSION ON SITE, A SET OF CONSTRUCTION PLANS BEARING CWSWA'S STAMP OF APPROVAL.

5. THE CONTRACTOR SHALL NOT PLACE, PLANT, PUT OR SET ANY STRUCTURE WITHIN THE SANITARY SEWER EASEMENT.

6. A CONSTRUCTION PERMIT ISSUED BY THE STATE OF DELAWARE, DEPARTMENT OF TRANSPORTATION (DELDOT) IS REQUIRED BEFORE ANY WORK IS PERFORMED WITHIN A DELDOT RIGHT-OF-WAY. ALL WORK PERFORMED WITHIN DELDOT'S RIGHT-OF-WAY OR PROPERTY OWNED BY THE STATE OF DELAWARE SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST RECENT DELDOT STANDARD SPECIFICATIONS AND UTILITY MANUAL.

7. SANITARY SEWER MAIN IS TO BE PUBLICLY OWNED AND MAINTAINED.

8. CONSTRUCTION SHALL NOT DEVIATE FROM THE PLANS AND SPECIFICATIONS APPROVED BY CWSWA WITHOUT WRITTEN PERMISSION.

9. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK AND THE CWSWA DRAINAGE CODE, AS AMENDED.

10. TYPICAL SEQUENCE OF CONSTRUCTION:
    A. CONTACT CWSWA (TWO BUSINESS DAYS NOTICE AT 302-697-6372) PRIOR TO ANY EXCAVATION OR ACTIVITY INVOLVING SANITARY SEWER CONSTRUCTION, PUMP STATION CONSTRUCTION OR LATERAL TIE-IN'S TO EXISTING LINES.
    B. CONSTRUCT PROPOSED SANITARY SEWER SYSTEM AS APPROVED BY CWSWA.
    C. BACKFILL AND RE-GRADE AS REQUIRED.
    D. PERFORM AIR TEST, IF REQUIRED, IN ACCORDANCE WITH SECTION 32.01-3 OF THE CWSWA STANDARD SPECIFICATIONS FOR CONSTRUCTION, IN THE PRESENCE OF A CWSWA INSPECTOR.
    E. FOLLOWING A PASSING AIR TEST (IF APPLICABLE), A FINAL VISUAL INSPECTION (LAMP TEST) MUST BE PERFORMED PRIOR TO ACCEPTANCE BY CWSWA.
    F. BASED UPON THE RESULTS OF THE VISUAL INSPECTION, A MANDRAL TEST MAY BE REQUIRED FOLLOWING THE VISUAL INSPECTION.
    G. A HYDROSTATIC TEST MUST BE PERFORMED FOR ANY SANITARY FORCEMAIN IN ACCORDANCE WITH SECTION 32.03-3.4, OF THE CWSWA STANDARD SPECIFICATIONS FOR CONSTRUCTION AS AMENDED.
    H. LATERAL CONNECTIONS FROM NEW HOMES/APARTMENT BUILDINGS INTO THE SEWER LINE WILL NOT BE PERMITTED UNTIL AFTER FINAL ACCEPTANCE BY CWSWA.
    I. PRIOR TO CWSWA MAKING A FINAL INSPECTION, THE FOLLOWING ITEMS MUST BE COMPLETED:
        i. ALL MANHOLES MUST BE BROUGHT TO GRADE AND HAVE CONCRETE COLLARS INSTALLED.
        ii. CHANNELS MUST BE COMPLETED IN ALL MANHOLES.
        iii. ALL MANHOLES AND SEWER PIPES MUST BE CLEANED AND FLUSHED.
        iv. ANY INSIDE DROP PIPE AND APPURTENANCES INSTALLED.
        iv. AS-BUILT DRAWINGS (SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR OR PROFESSIONAL ENGINEER IN DELAWARE) MUST BE SUBMITTED TO CWSWA.
    J. CERTIFICATES OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE AS-BUILT DRAWINGS HAVE BEEN RECEIVED, REVIEWED, AND APPROVED AND THE SANITARY SEWER CONSTRUCTION (INCLUDING ALL APPURTENANCES HAS BEEN ACCEPTED BY CWSWA.

11. EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND ALLOW FOR THEIR LOCATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELMARVA.

12. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE DONE TO UTILITIES DUE TO NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT CONTRACTOR'S EXPENSE.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF DAMAGED OR DESTROYED LANDSCAPING.

14. SEPARATION FROM WATER MAINS TO BE PROVIDED PER RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES.

15. A CLEANOUT SHALL BE PROVIDED AT THE EDGE OF ROAD RIGHT OF WAY OR CWSWA SANITARY SEWER EASEMENT IN ACCORDANCE WITH CWSWA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND AMENDMENTS.

16. UNLESS OTHERWISE NOTED, ALL MANHOLES SHALL BE PRECAST CONCRETE, TYPE A-2 OR A-3, WITH A-LOK OR APPROVED EQUAL PIPE TO MANHOLE GASKET.

17. MANHOLES SHALL BE EQUIPPED WITH A HEAVY TRAFFIC MANHOLE FRAME AND COVER.

18. THE OWNER(S) OF THIS PROPERTY, VIA THE RECORD PLAN, HEREBY GRANT(S) AND CONVEY(S) TO CWSWA A 40' WIDE SANITARY SEWER EASEMENT(S) THAT PERPETUALLY CONVEY(S) THE RIGHT AND PRIVILEGE TO LAY, MAINTAIN, REPAIR, OPERATE, RELAY, AND REMOVE AT ANY TIME ITS PIPES AND APPURTENANCES, INCLUDING MANHOLES, LAMPHOLES AND CLEANOUTS, FOR THE SANITARY SEWER SYSTEM HEREINBEFORE MENTIONED, WITH THE RIGHT OF INGRESS AND EGRESS TO AND FROM THE SAME, ON, OVER AND THROUGH A STRIP OF LAND, DEPICTED ON THIS SANITARY SEWER CONSTRUCTION PLAN. THE GRANTOR(S), THE HEIRS, EXECUTORS, ADMINISTRATORS, GRANTEES AND ASSIGNS OF THIS PROPERTY, COVENANT(S) AND AGREE(S) THAT HE/SHE/THEY SHALL NOT PLANT, ERECT, OR CONSTRUCT ANY MANNER OF TREE, SHRUB, BUSH, FENCE, STRUCTURE OR OTHER MAN-MADE IMPROVEMENT, EXCLUDING PAVING, WITHIN THE PERPETUAL EASEMENT(S) DEPICTED ON THIS PLAN.

19. TOP OF MANHOLE ELEVATIONS ARE AT TOP OF MANHOLE FRAME AND COVER.

20. ALL WORK PERFORMED WITHIN THE STATE R-O-W AND PROPERTY SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE UTILITY DESIGN MANUAL AND STANDARD SPECIFICATIONS.

21. SANITARY SEWER MANHOLE FRAME AND COVER ELEVATIONS ARE TO BE VERIFIED TO MATCH THE FINAL ROAD ELEVATION PRIOR TO FINAL PAVING. UTILIZATION OF ADJUSTMENT RISERS OF ANY TYPE IN ORDER TO MATCH THE FINAL PAVING ELEVATION IS NOT ACCEPTABLE.

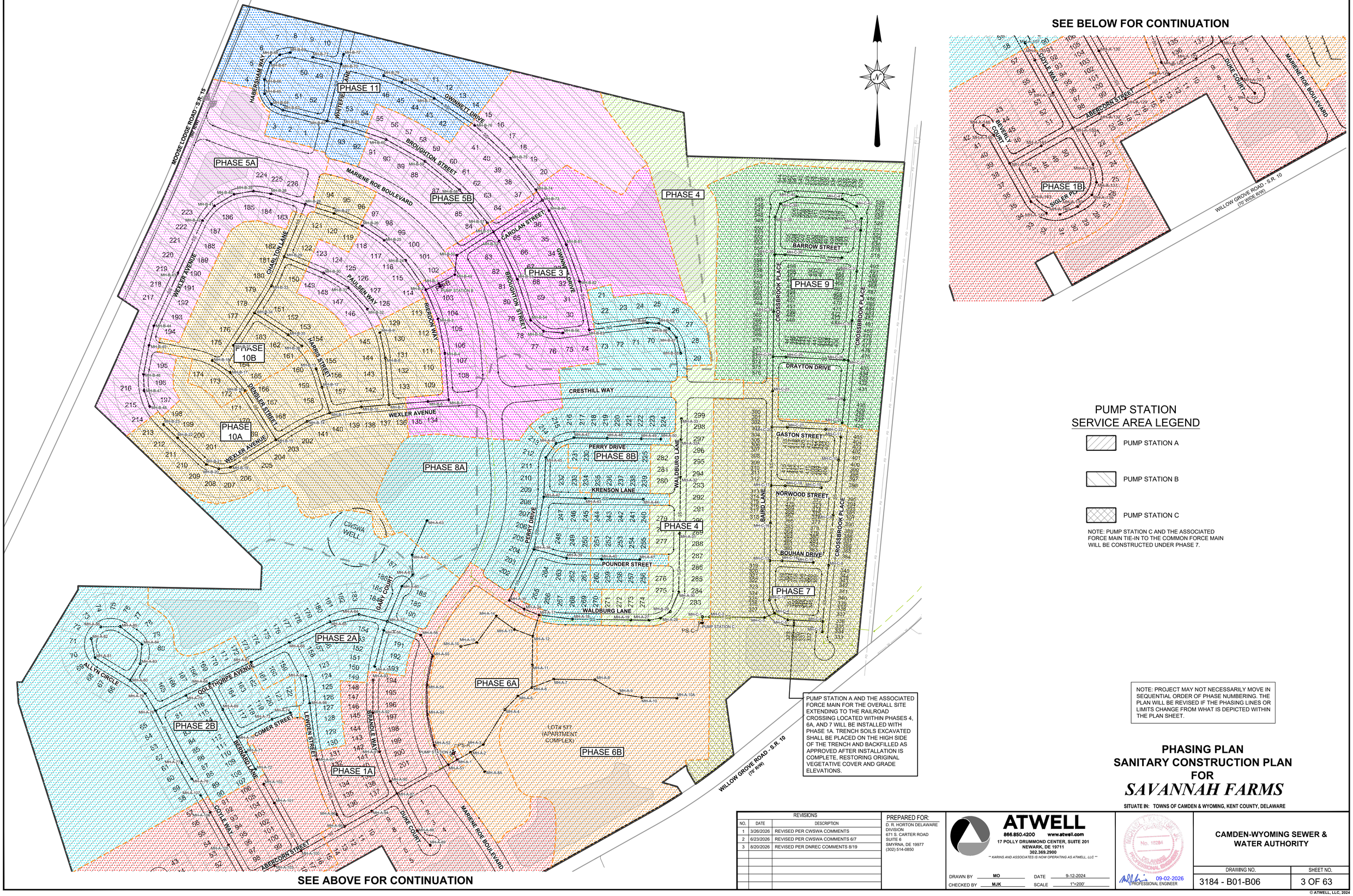
22. BACKFILLING OF ALL PIPE TRENCHES LOCATED WITHIN A DELDOT MAINTAINED RIGHT-OF-WAY SHALL CONFORM TO THE DELDOT STANDARD SPECIFICATIONS, DIVISION 200 "EARTHWORK". OTHERWISE, THE SOIL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY DETERMINED BY ASTM D698 - STANDARD PROCTOR DENSITY.

23. ANY SANITARY SEWER TO BE ABANDONED, THE PIPE MUST BE FILLED WITH FLOWABLE FILL AND THE PIPE ENDS PLUGGED (GROUT PLUG OPTIONAL).

24. WHERE A 6" LATERAL DISCHARGES DIRECTLY INTO A MANHOLE, THE MANHOLE CHANNEL SHALL BE PRECAST SUCH THAT THE INVERT ELEVATION OF THE 6" PIPE IS HIGHER THAN THE INVERT ELEVATION OF THE LARGER DOWNSTREAM PIPE. THE CROWN ELEVATIONS OF THE 6" PIPE AND THE LARGER DOWNSTREAM PIPE SHALL MATCH.

25. THE MINIMUM STANDARD DESIGN SLOPE FOR 8-INCH DIAMETER GRAVITY SANITARY SEWERS PROPOSED BY THE SANITARY SEWER CONSTRUCTION PLAN(S) IS **0.00450 FT/FT**, HOWEVER, AS-BUILT SLOPE FOR 8-INCH DIAMETER GRAVITY SANITARY SEWER NO LESS THAN **0.00400 FT/FT** MAY BE CONSIDERED.

SITE DATA



PUMP STATION SERVICE AREA LEGEND

- PUMP STATION A
- PUMP STATION B
- PUMP STATION C

NOTE: PUMP STATION C AND THE ASSOCIATED FORCE MAIN TIE-IN TO THE COMMON FORCE MAIN WILL BE CONSTRUCTED UNDER PHASE 7.

PUMP STATION A AND THE ASSOCIATED FORCE MAIN FOR THE OVERALL SITE EXTENDING TO THE RAILROAD CROSSING LOCATED WITHIN PHASES 4, 6A, AND 7 WILL BE INSTALLED WITH PHASE 1A. TRENCH SOILS EXCAVATED SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH AND BACKFILLED AS APPROVED AFTER INSTALLATION IS COMPLETE, RESTORING ORIGINAL VEGETATIVE COVER AND GRADE ELEVATIONS.

NOTE: PROJECT MAY NOT NECESSARILY MOVE IN SEQUENTIAL ORDER OF PHASE NUMBERING. THE PLAN WILL BE REVISED IF THE PHASING LINES OR LIMITS CHANGE FROM WHAT IS DEPICTED WITHIN THE PLAN SHEET.

PHASING PLAN
SANITARY CONSTRUCTION PLAN
FOR
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

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09-02-2026
PROFESSIONAL ENGINEER

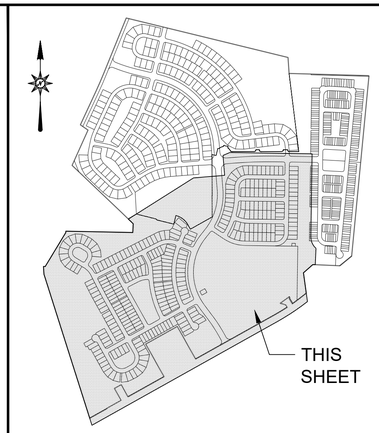
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KEY MAP SCALE: 1"=1,000'

SANITARY FORCE MAIN NOTE

FOR FORCE MAIN PLAN AND PROFILE, SEE PUMP STATION AND FORCE MAIN PLANS FOR SAVANNAH FARMS

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SANITARY CONSTRUCTION PLAN INDEX SHEET
FOR
SAVANNAH FARMS

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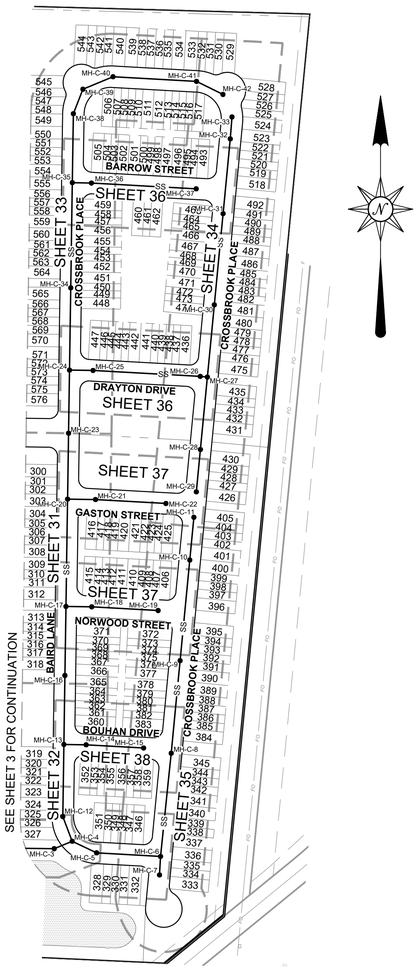
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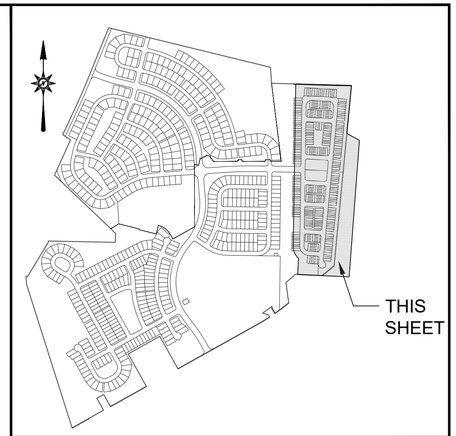
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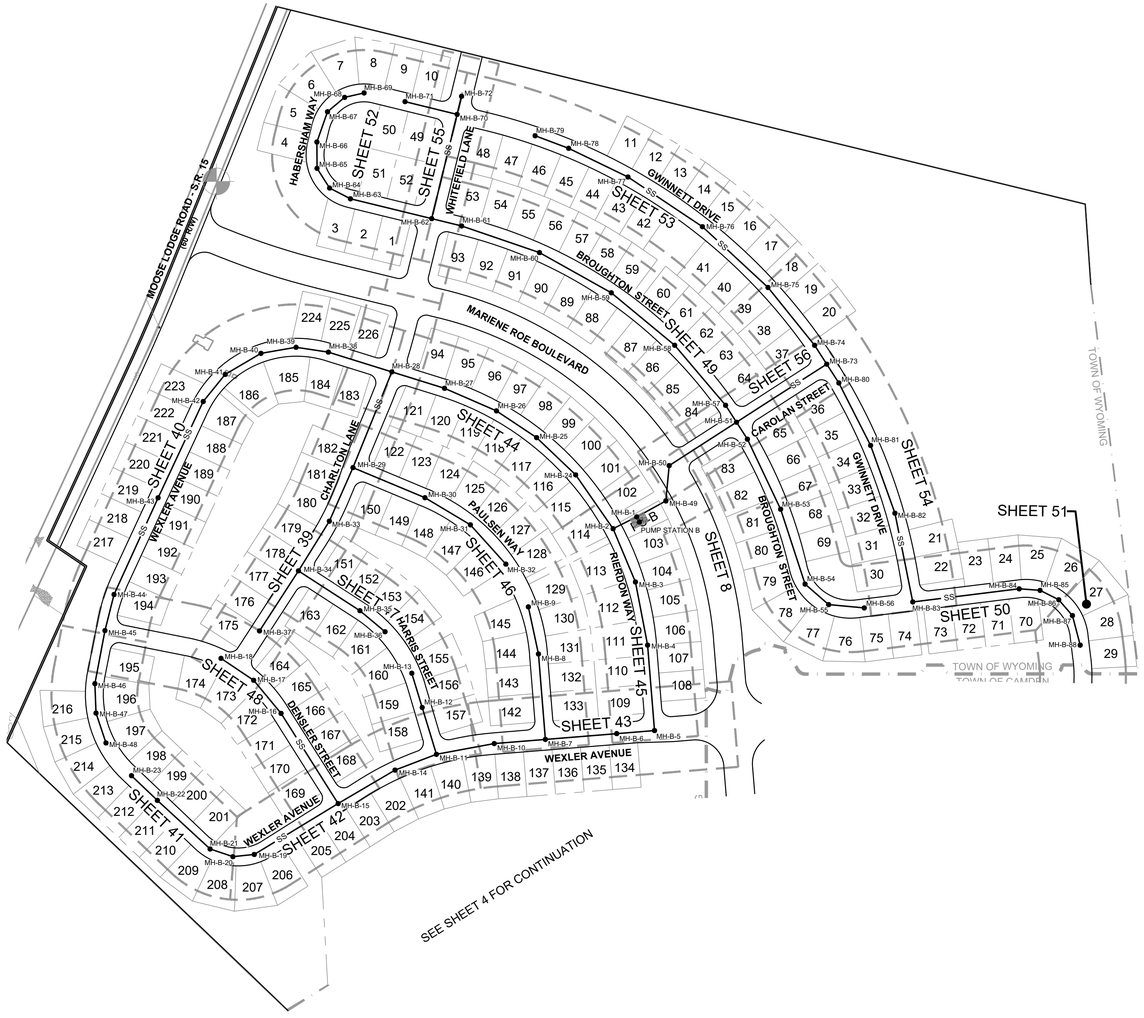
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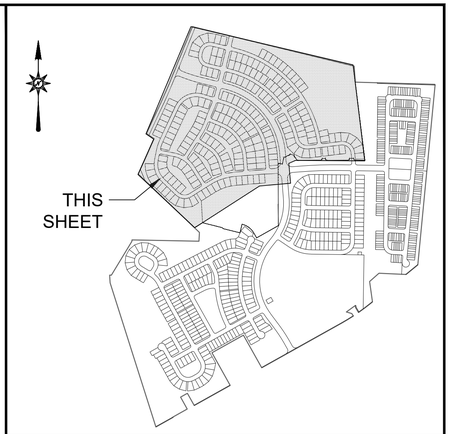
MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
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PROFESSIONAL ENGINEER

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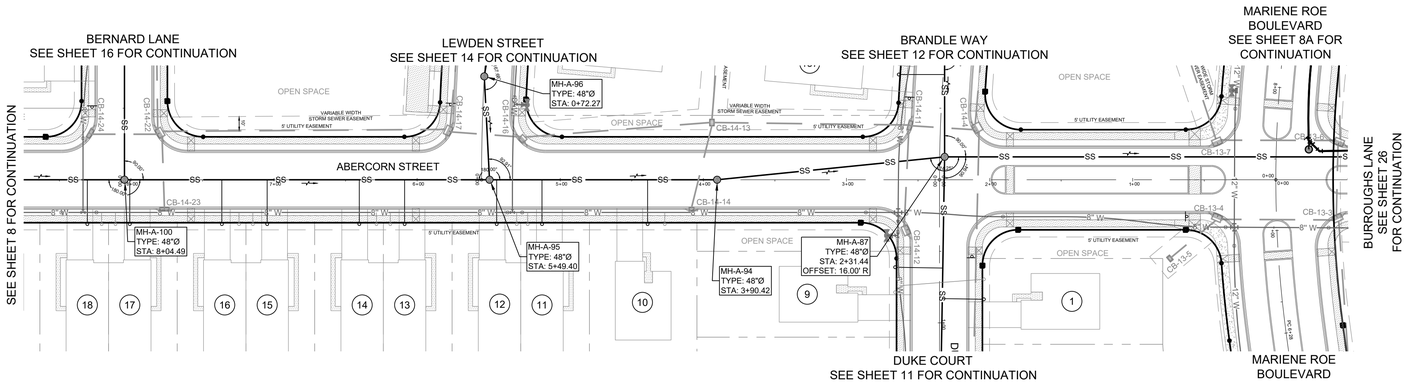
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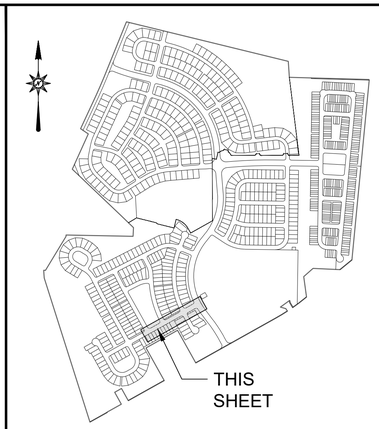
RICHARD T. KARINS, JR. No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

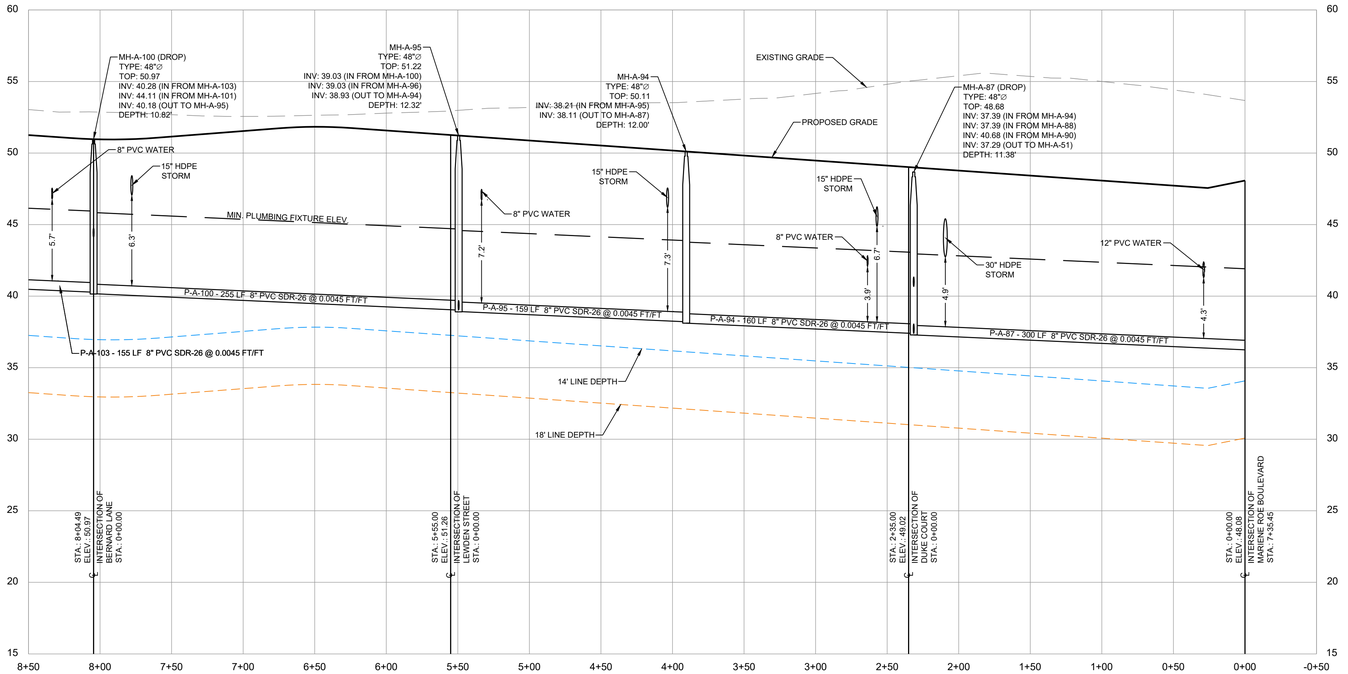
DRAWING NO.	SHEET NO.
3184 - B01-B06	6 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: ABERCORN STREET STATIONS 0+00 TO 8+50

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

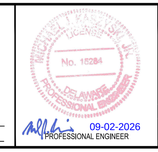
1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19
3	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
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302.369.2900
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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'



09-02-2026
PROFESSIONAL ENGINEER

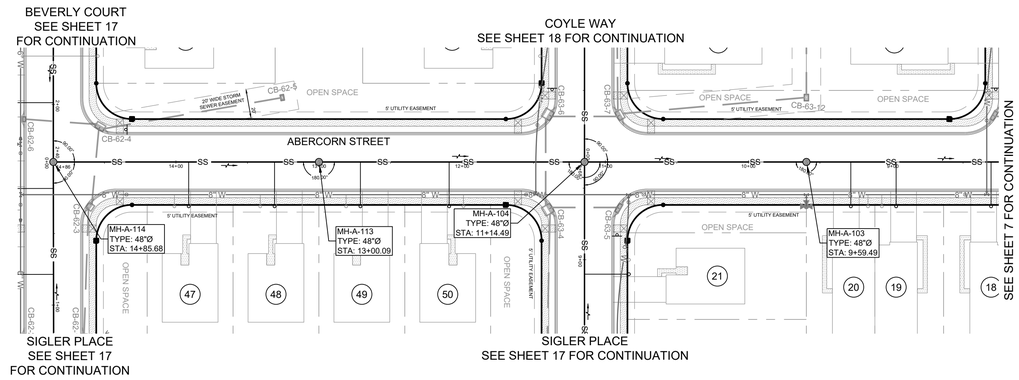
CAMDEN-WYOMING SEWER & WATER AUTHORITY

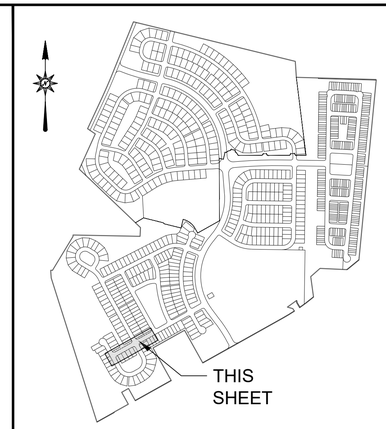
DRAWING NO.	SHEET NO.
3184 - B07-B16	7 OF 63

SANITARY SEWER PLAN & PROFILE
FOR
ABERCORN STREET 0+00 TO 8+50
IN
SAVANNAH FARMS

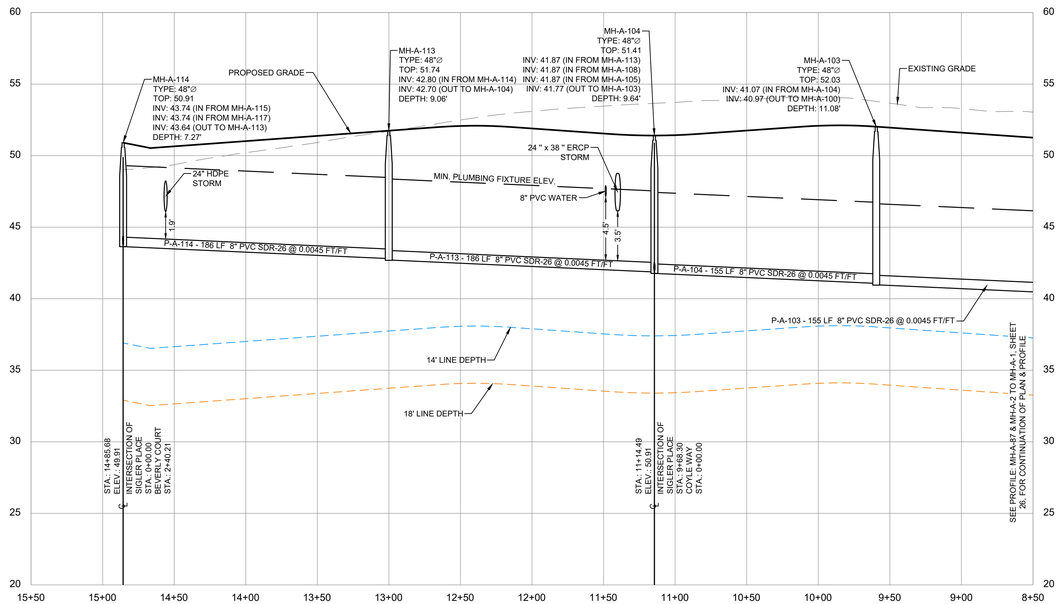
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: ABERCORN STREET STATIONS 8+50 TO 14+86

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
ABERCORN STREET 8+50 TO 14+86
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

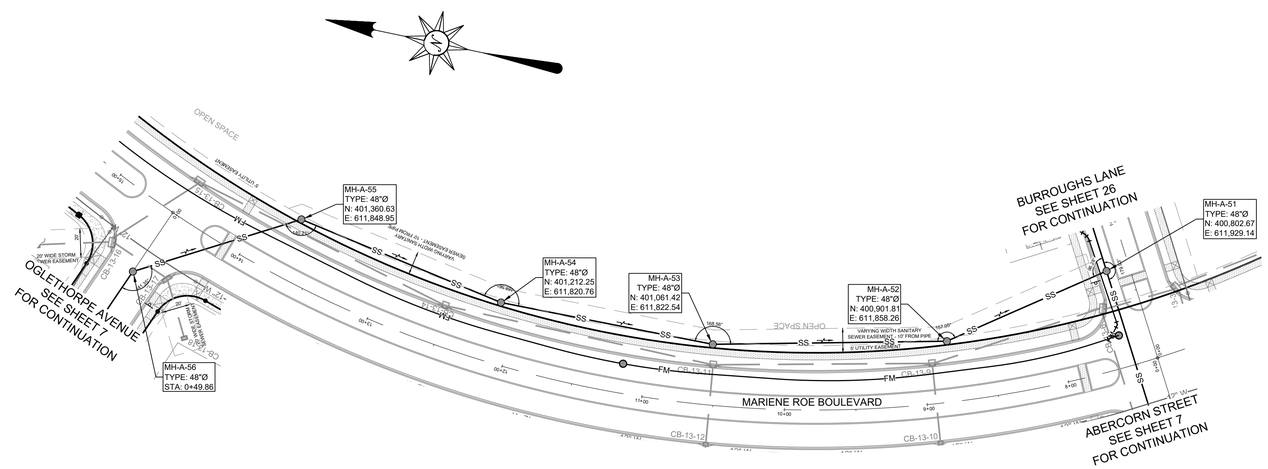
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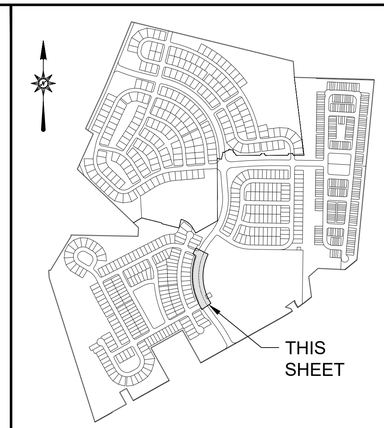
RICHARD J. KARINS, JR. No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

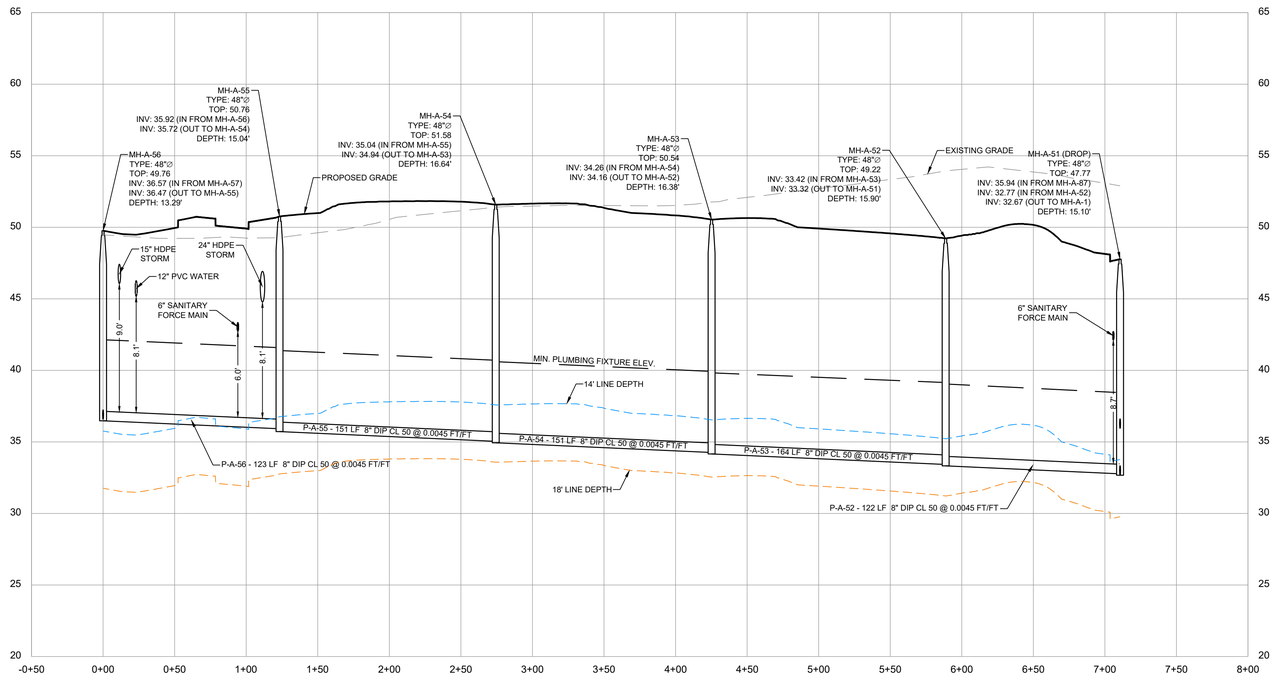
DRAWING NO.	SHEET NO.
3184 - B07-B16	8 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: MH-A-56 TO MH-A-51

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
3	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

09-02-2026
PROFESSIONAL ENGINEER

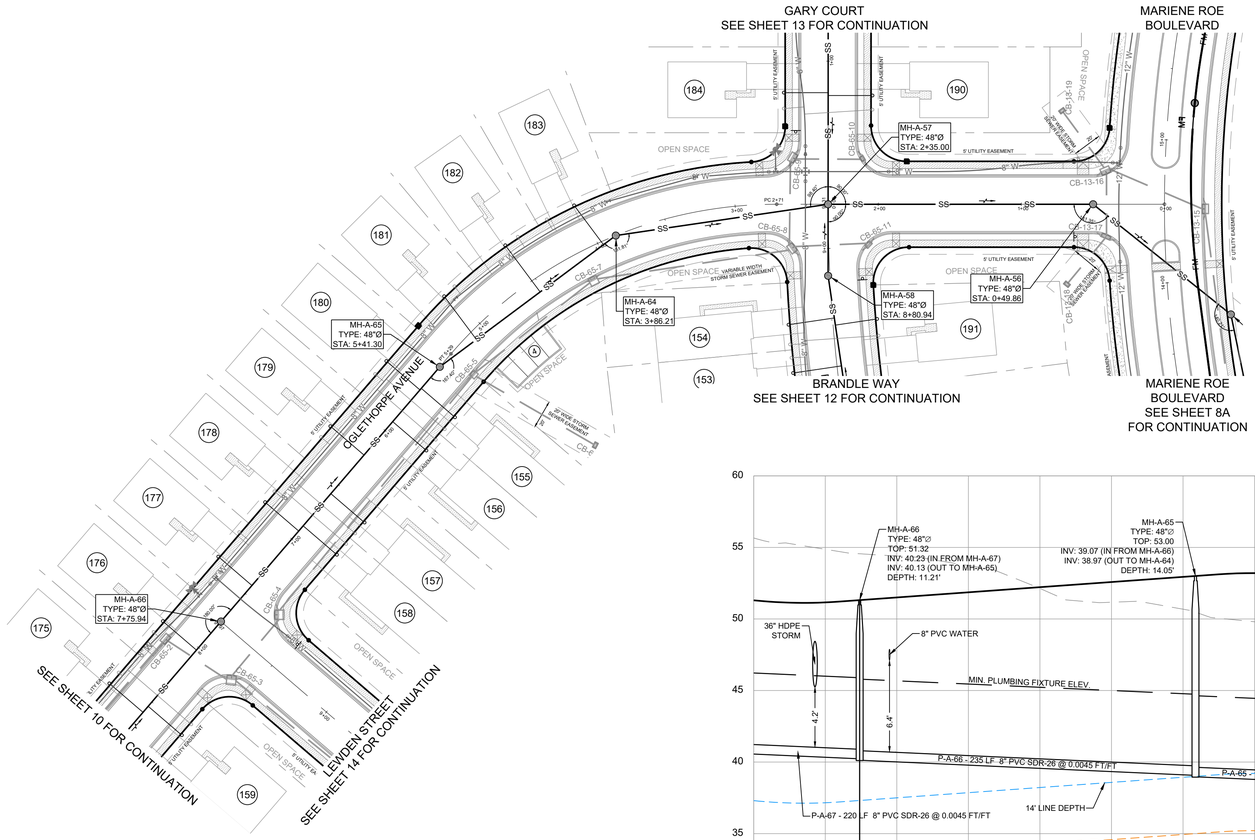
SANITARY SEWER PLAN & PROFILE
FOR
MH-A-56 TO MH-A-51
IN
SAVANNAH FARMS

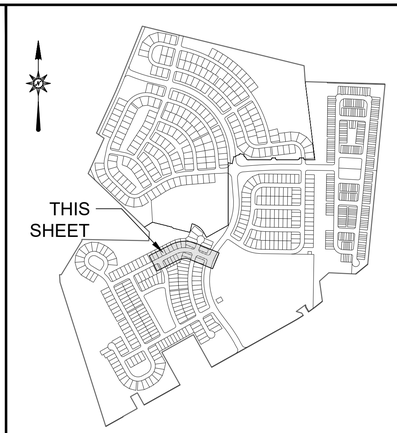
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

CAMDEN-WYOMING SEWER & WATER AUTHORITY

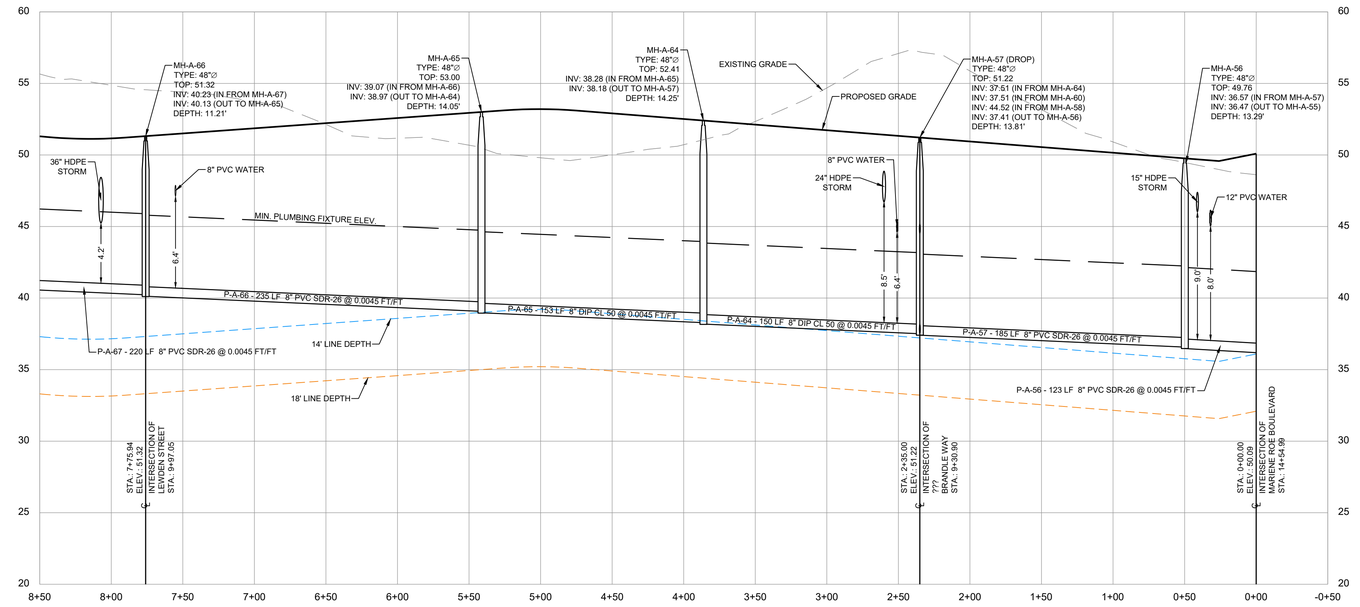
DRAWING NO.	SHEET NO.
3184 - B07-B16	8A OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: OGLETHORPE AVENUE STATION 0+00 TO 8+50

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
OGLETHORPE AVENUE 0+00 TO 8+50
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

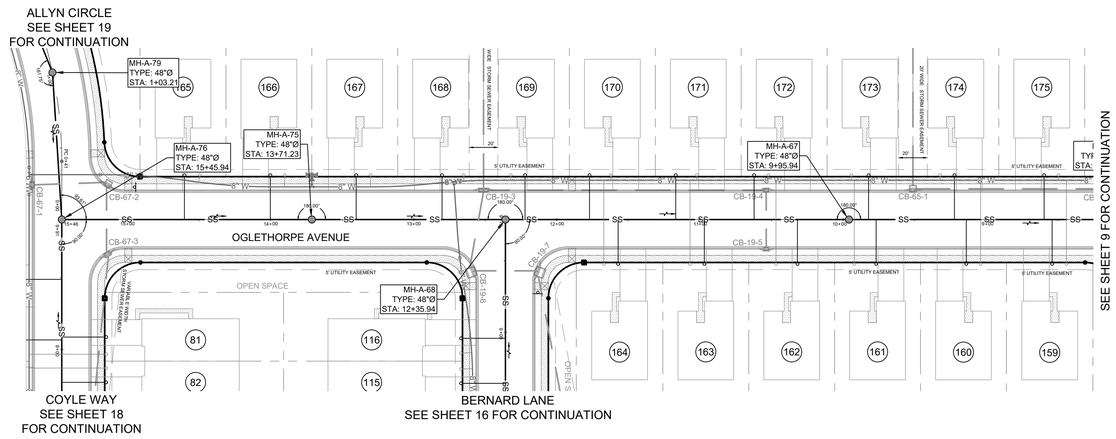
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CHECKED BY MJK SCALE 1"=50'

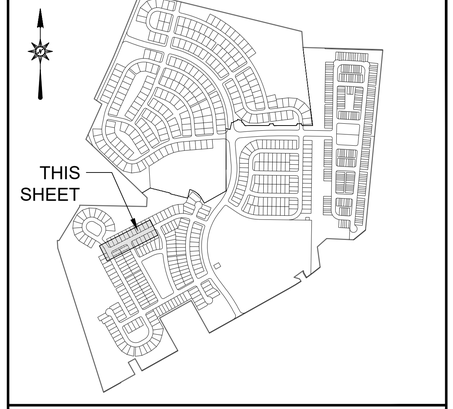
MICHELLE J. KARINS No. 18284 PROFESSIONAL ENGINEER DELAWARE
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

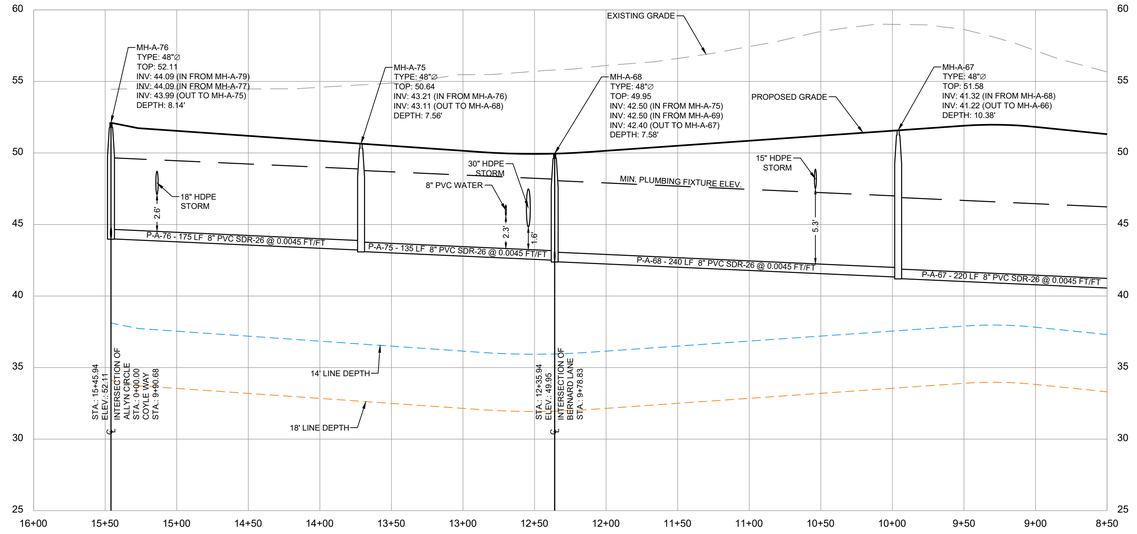
DRAWING NO.	SHEET NO.
3184 - B07-B16	9 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: OGLETHORPE AVENUE STATIONS 8+50 TO 15+46

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
OGLETHORPE AVENUE 8+50 TO 15+46
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

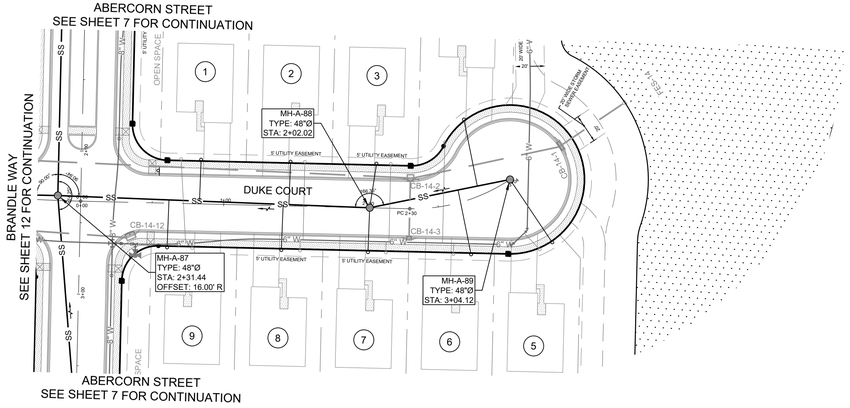
RACHEL J. KARINS No. 15284 PROFESSIONAL ENGINEER DELAWARE

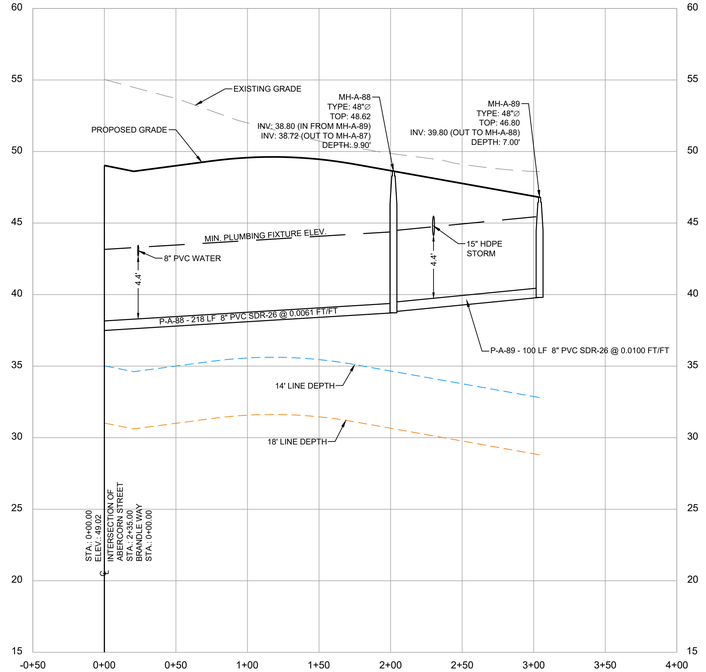
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B07-B16	10 OF 63

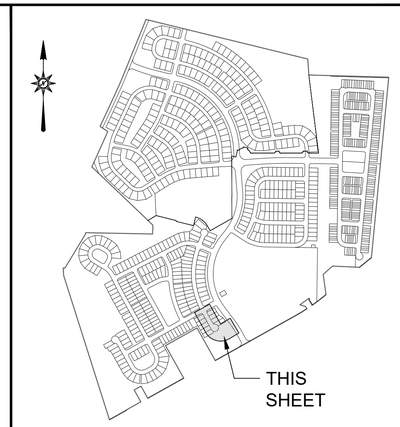
© ATWELL, LLC, 2024





PROFILE: DUKE COURT

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



LOCATION MAP SCALE: 1"=1,000'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
DUKE COURT
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

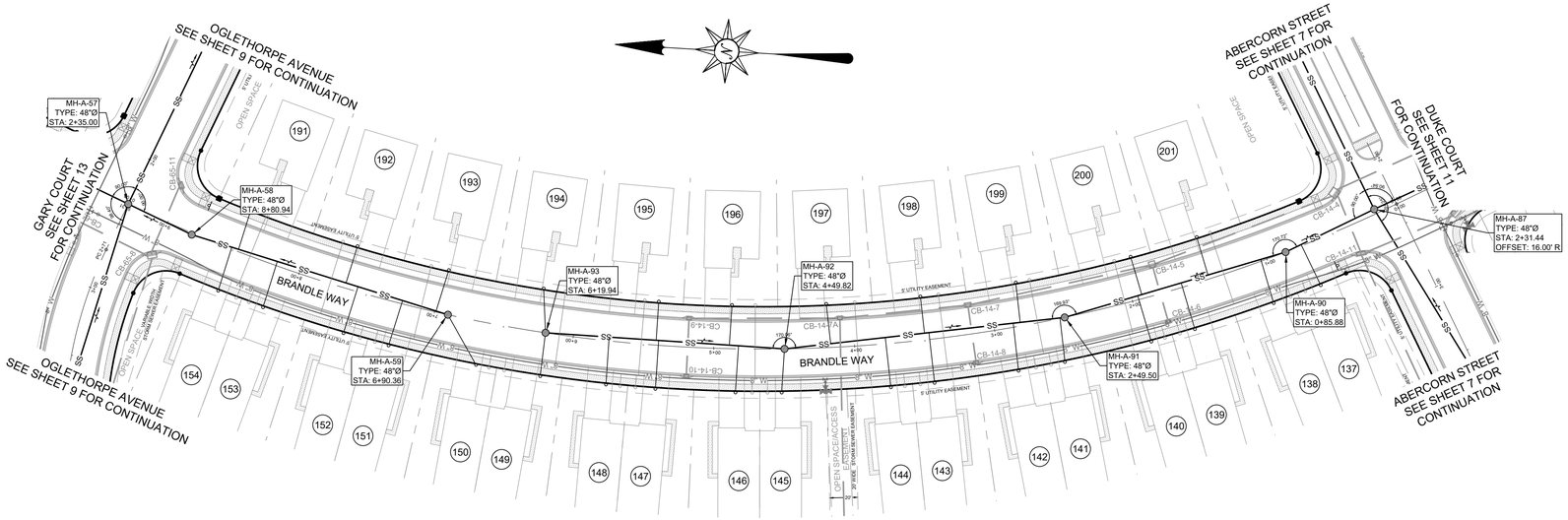
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CHECKED BY MJK SCALE 1"=50'

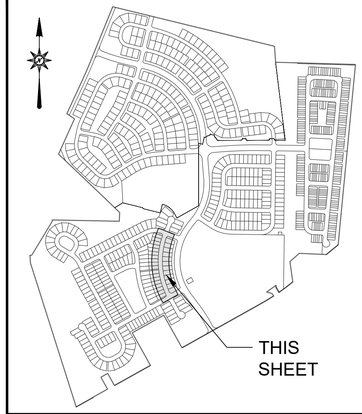
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

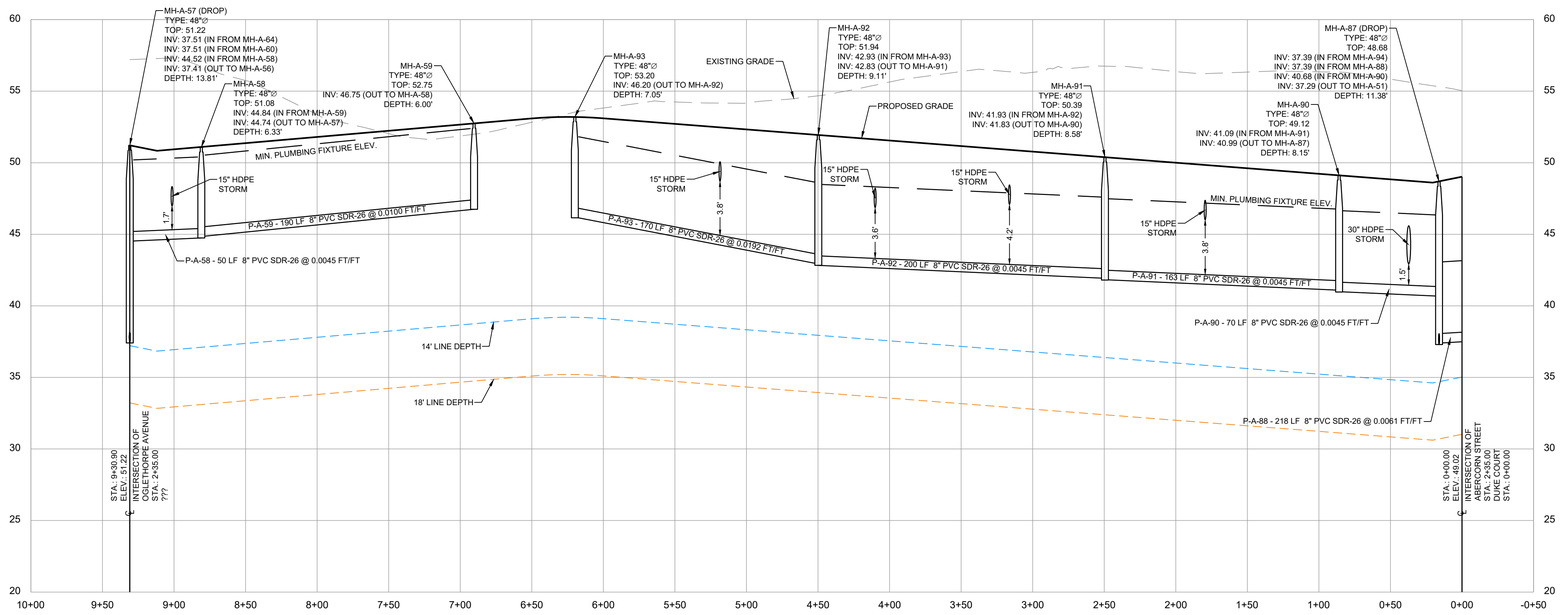
DRAWING NO.	SHEET NO.
3184 - B07-B16	11 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: BRANDLE WAY

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
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REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
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NEWARK, DE 19711
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** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

09-02-2026
PROFESSIONAL ENGINEER

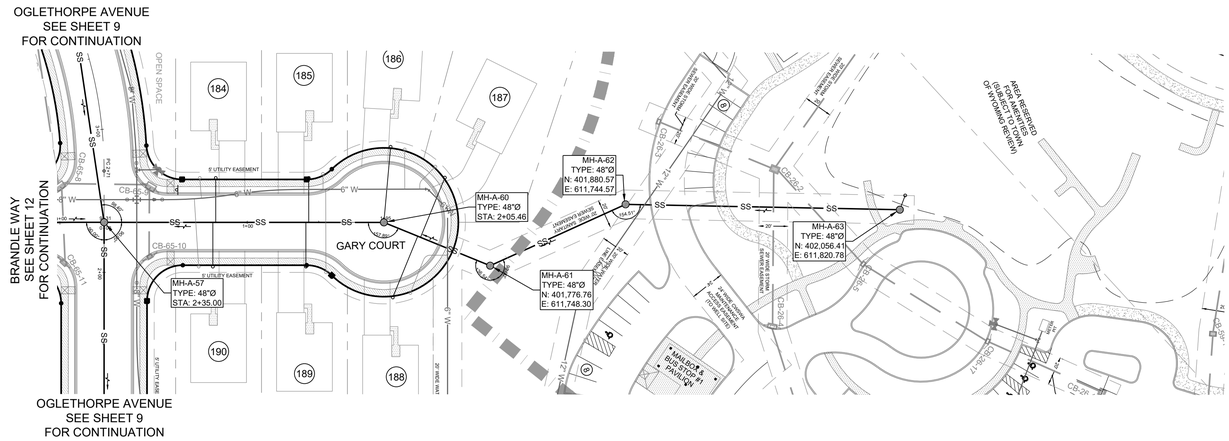
SANITARY SEWER PLAN & PROFILE
FOR
BRANDLE WAY
IN
SAVANNAH FARMS

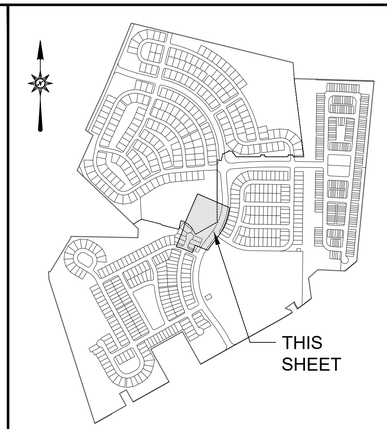
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B07-B16	12 OF 63

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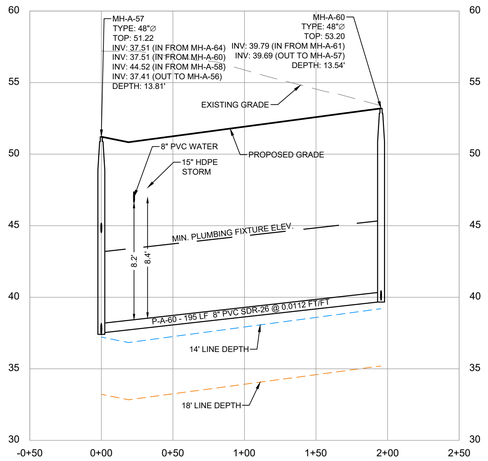




LOCATION MAP SCALE: 1"=1,000'

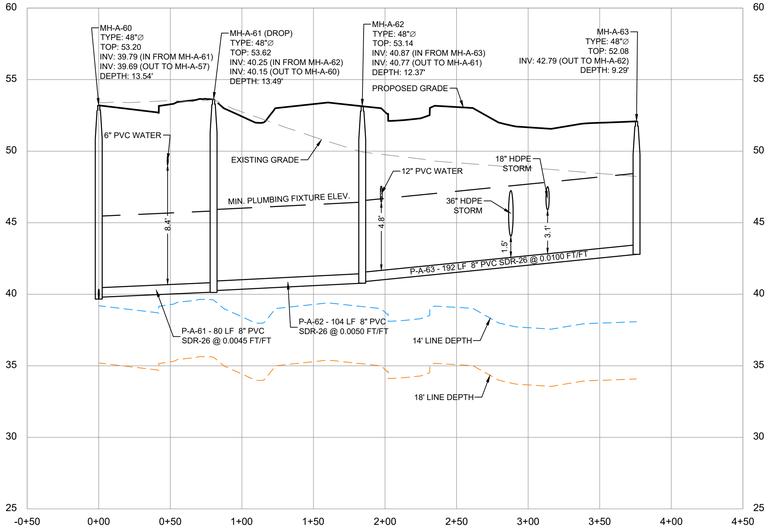
NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.



PROFILE: GARY COURT

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: MH-A-63 TO MH-A-60

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
GARY COURT AND MH-A-63 TO MH-A-60
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
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** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

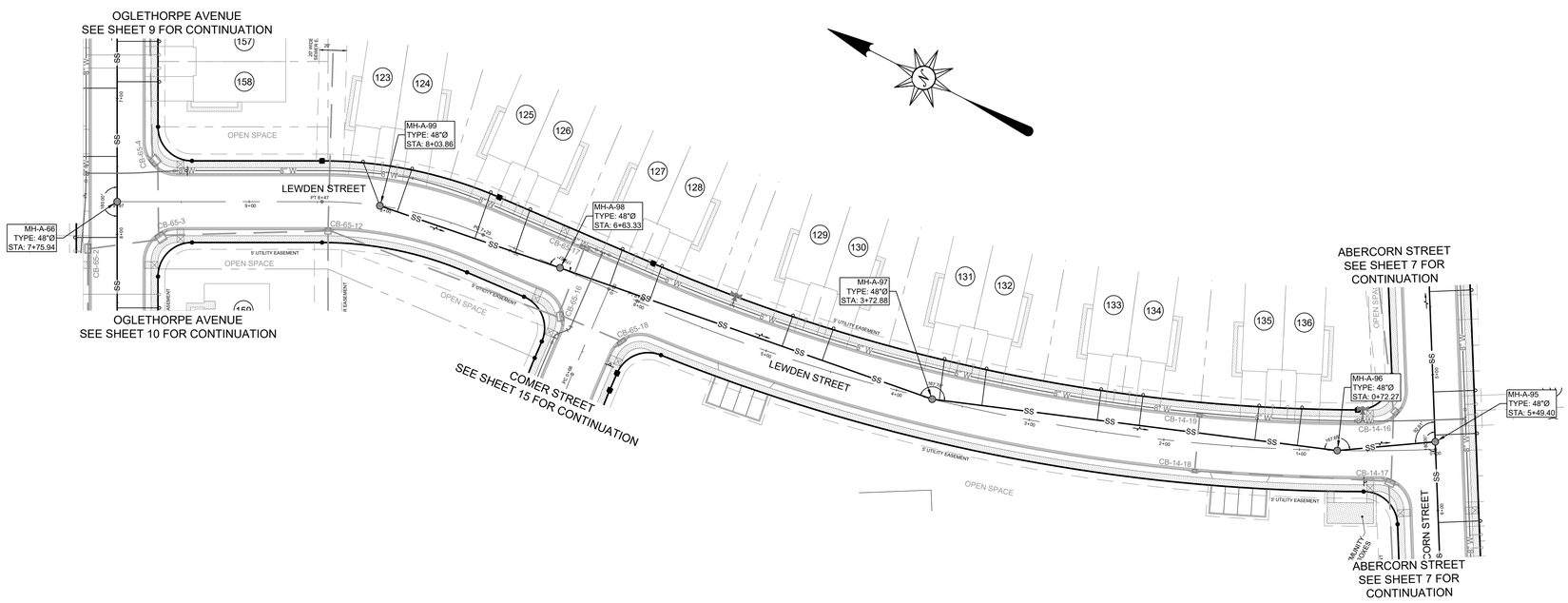
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CHECKED BY MJK SCALE 1"=50'

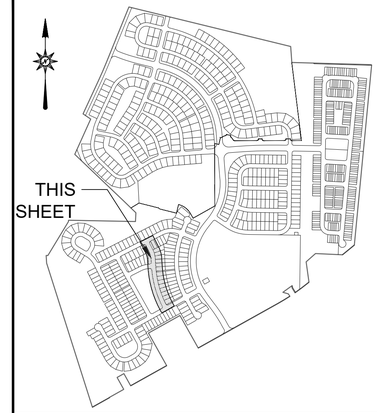
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

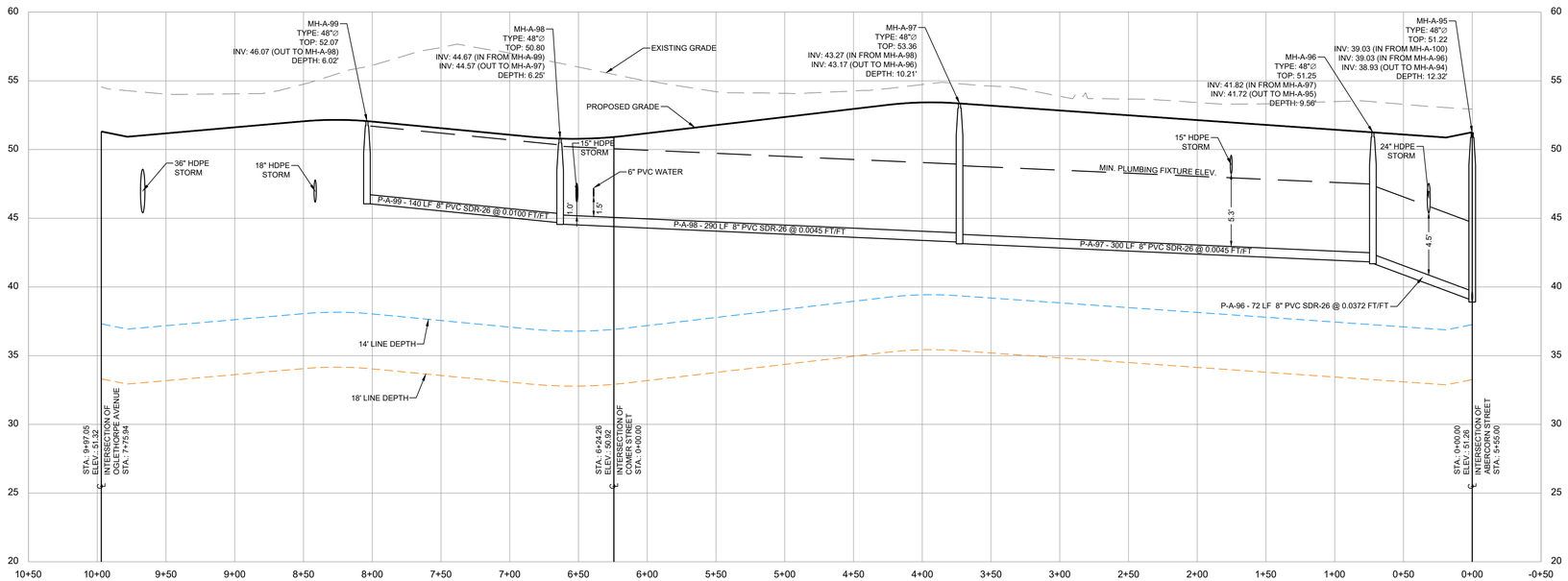
DRAWING NO.	SHEET NO.
3184 - B07-B16	13 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: LEWDEN STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

RACHEL M. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

SANITARY SEWER PLAN & PROFILE
FOR
LEWDEN STREET
IN
SAVANNAH FARMS

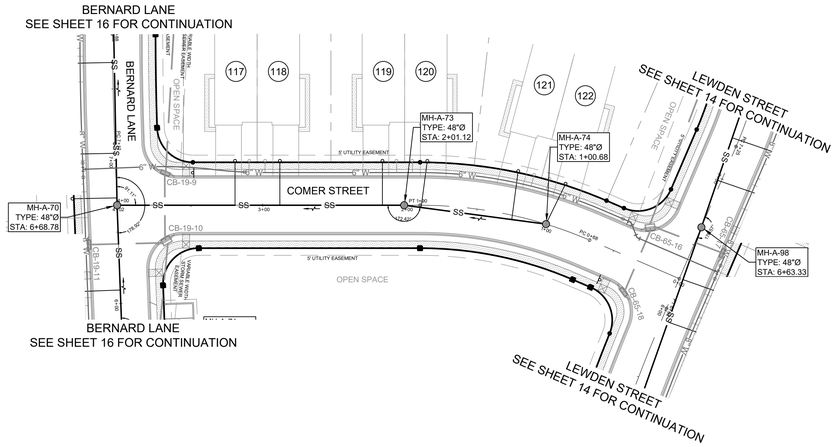
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

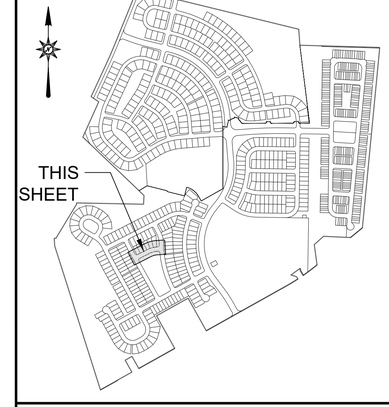
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B07-B16	14 OF 63

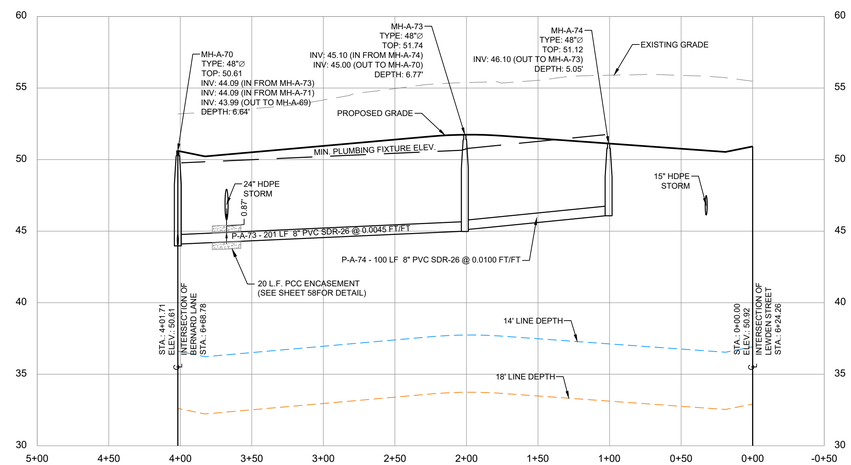
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B07-B16.dwg, B14 LEWDEN, 8/21/2026 8:12:51 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: COMER STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
COMER STREET
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

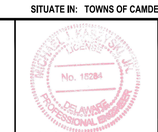
1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
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(302) 514-0850

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** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

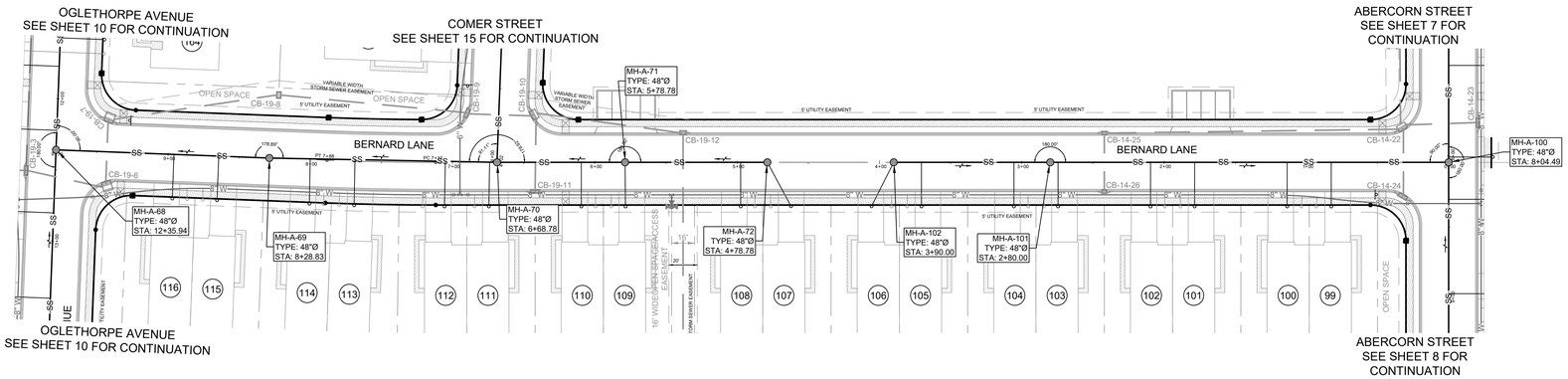


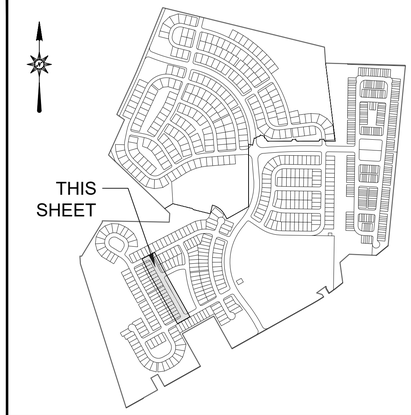
09-02-2026
PROFESSIONAL ENGINEER

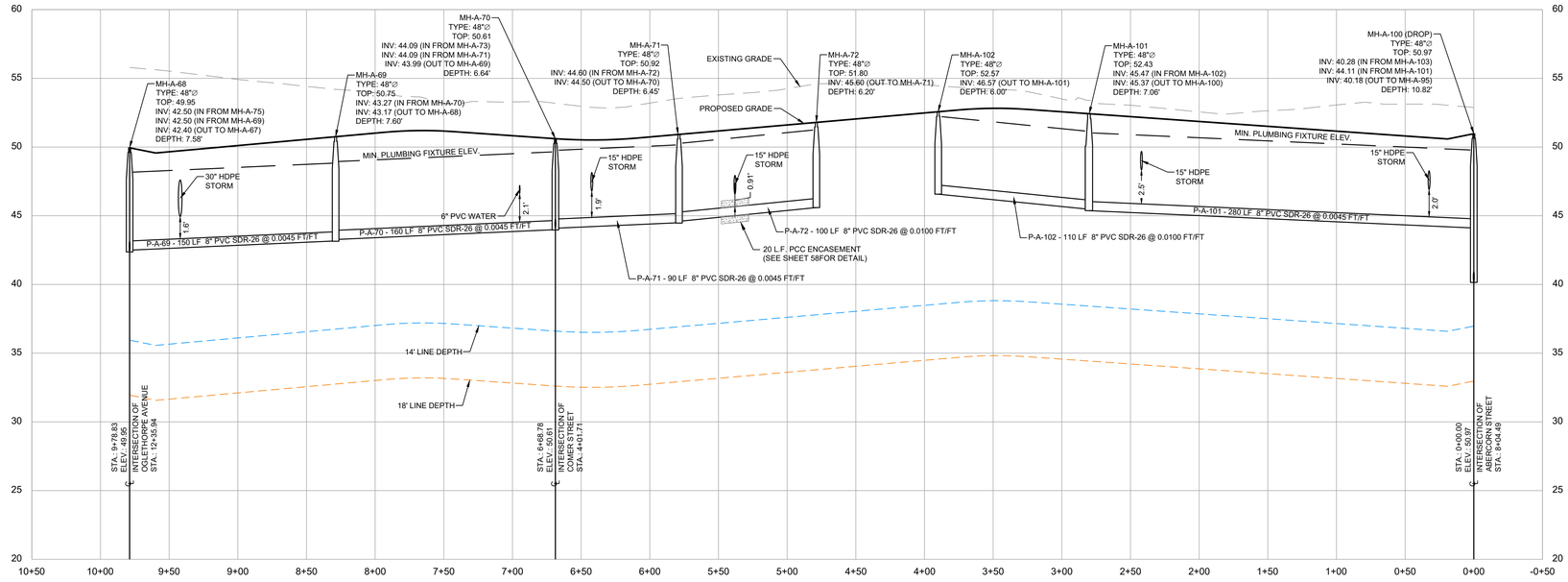
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B07-B16	15 OF 63

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PROFILE: BERNARD LANE

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
BERNARD LANE
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
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SMYRNA, DE 19977
(302) 514-0850

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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

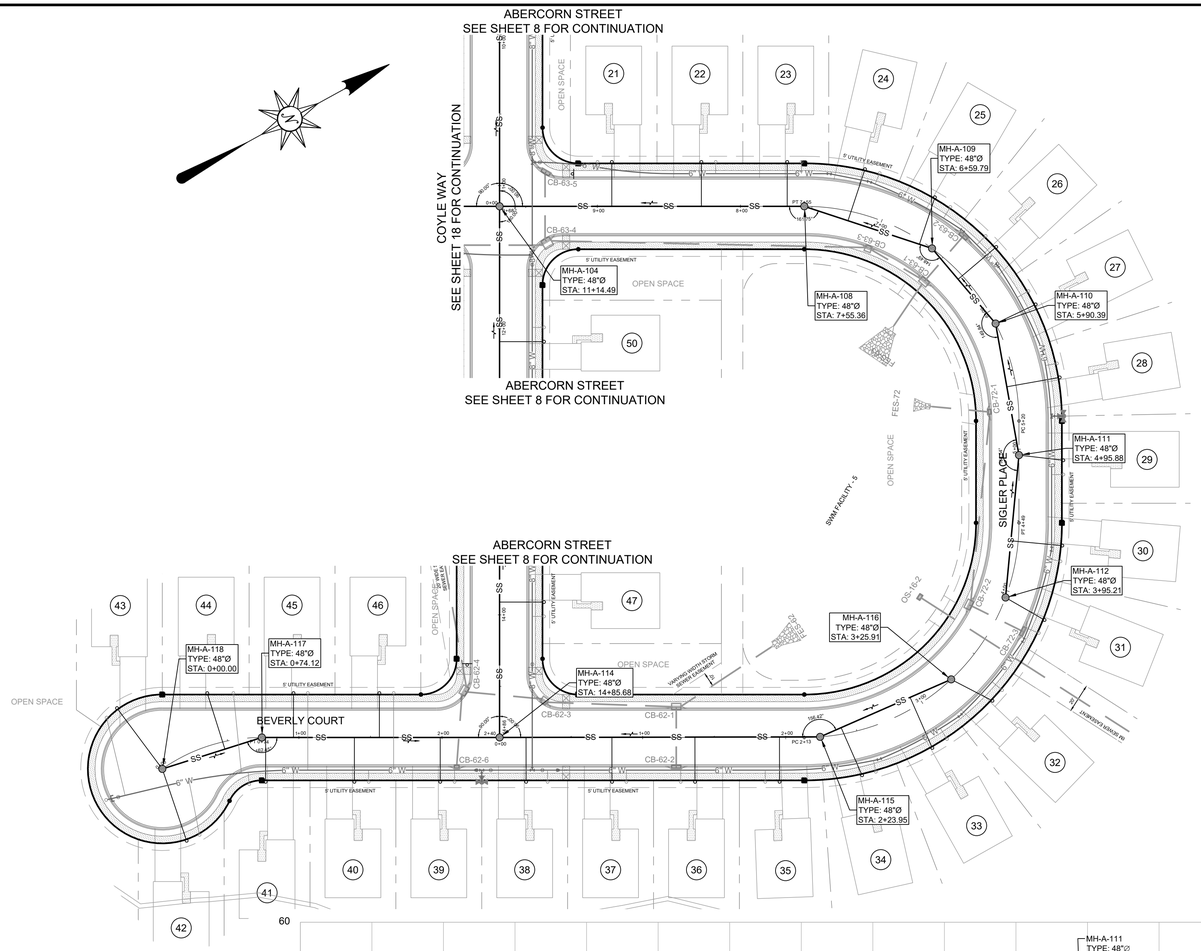
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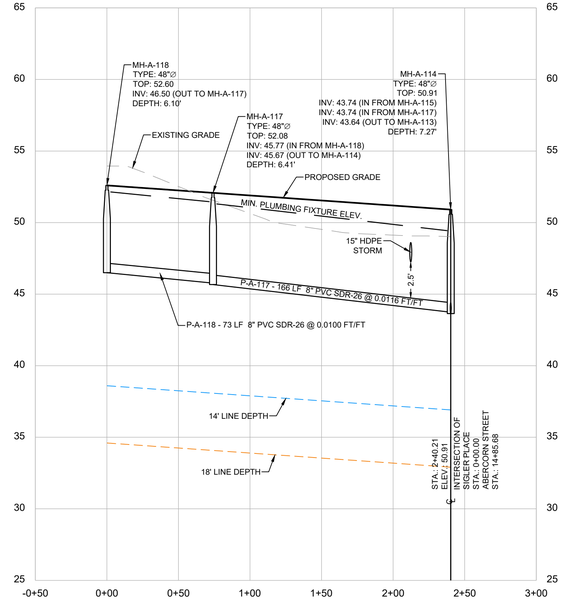
RACHEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B07-B16	16 OF 63

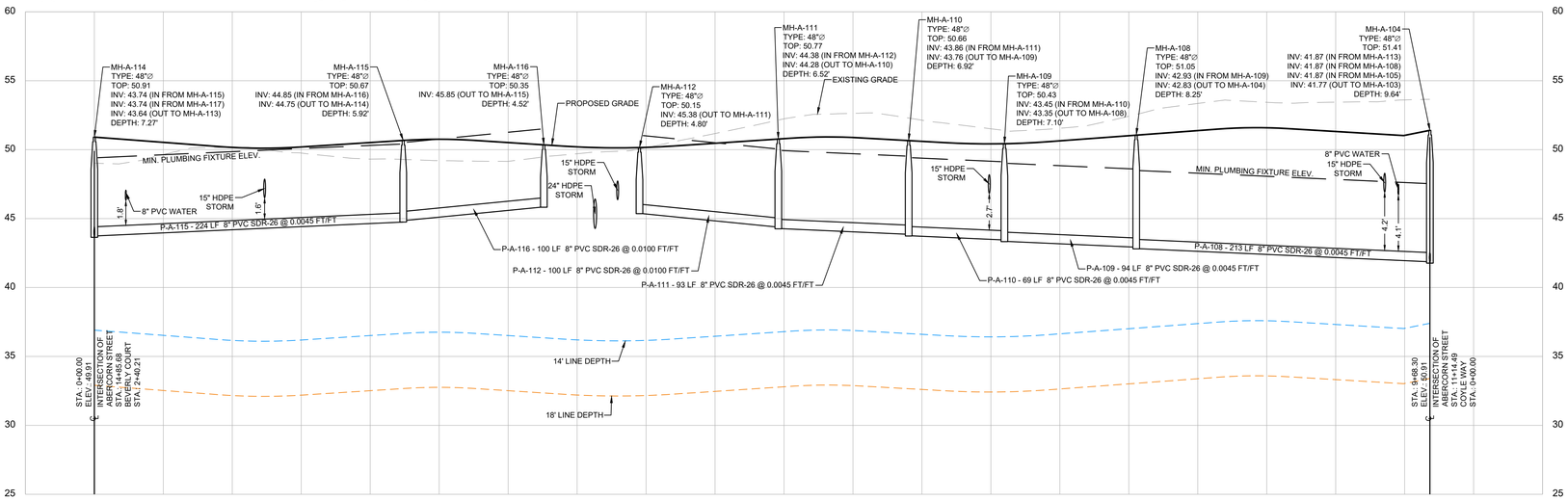
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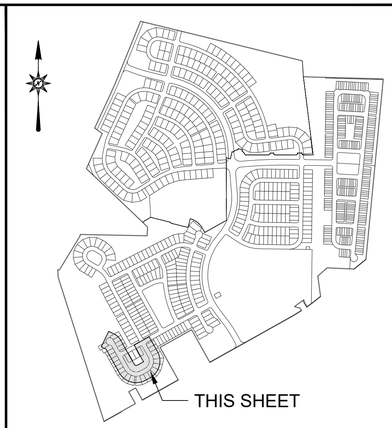
PROFILE: BEVERLY COURT

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: SIGLER PLACE

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



LOCATION MAP SCALE: 1"=1,000'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
BEVERLY COURT & SIGLER PLACE
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

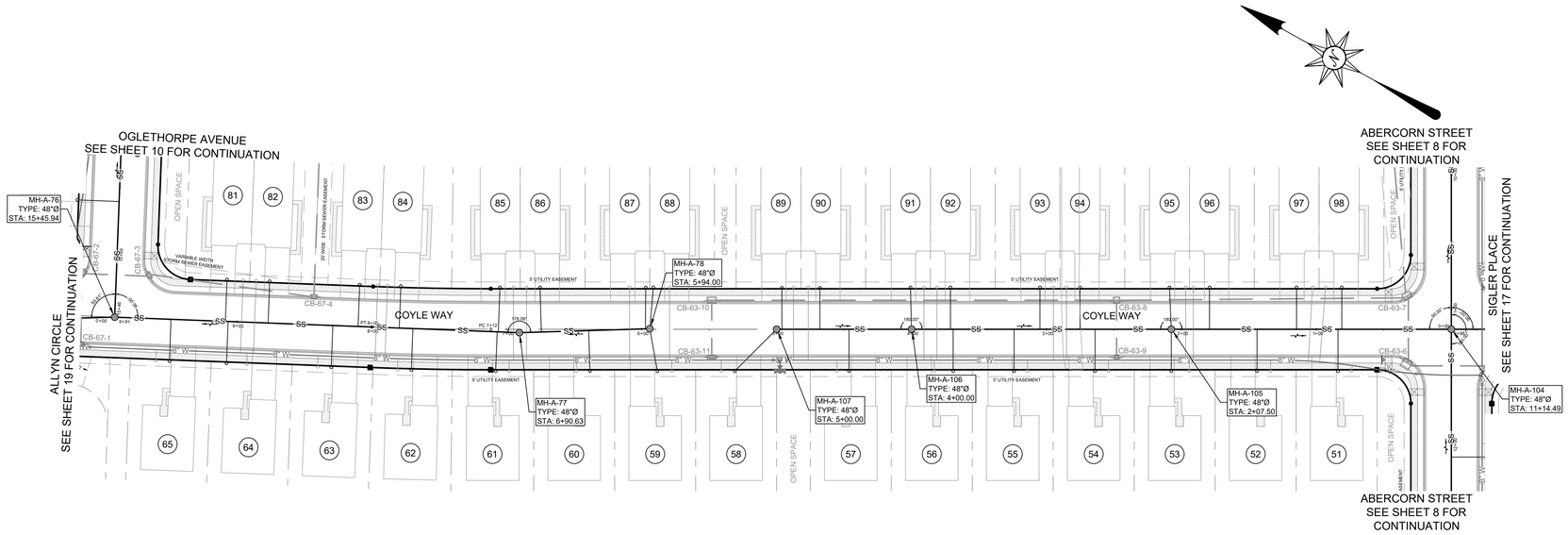
RACHELLE LYNN SHUE No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026 PROFESSIONAL ENGINEER

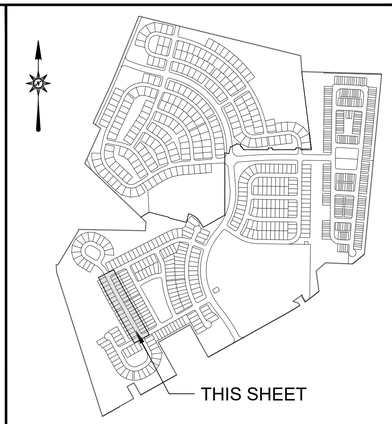
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B17-B30	17 OF 63

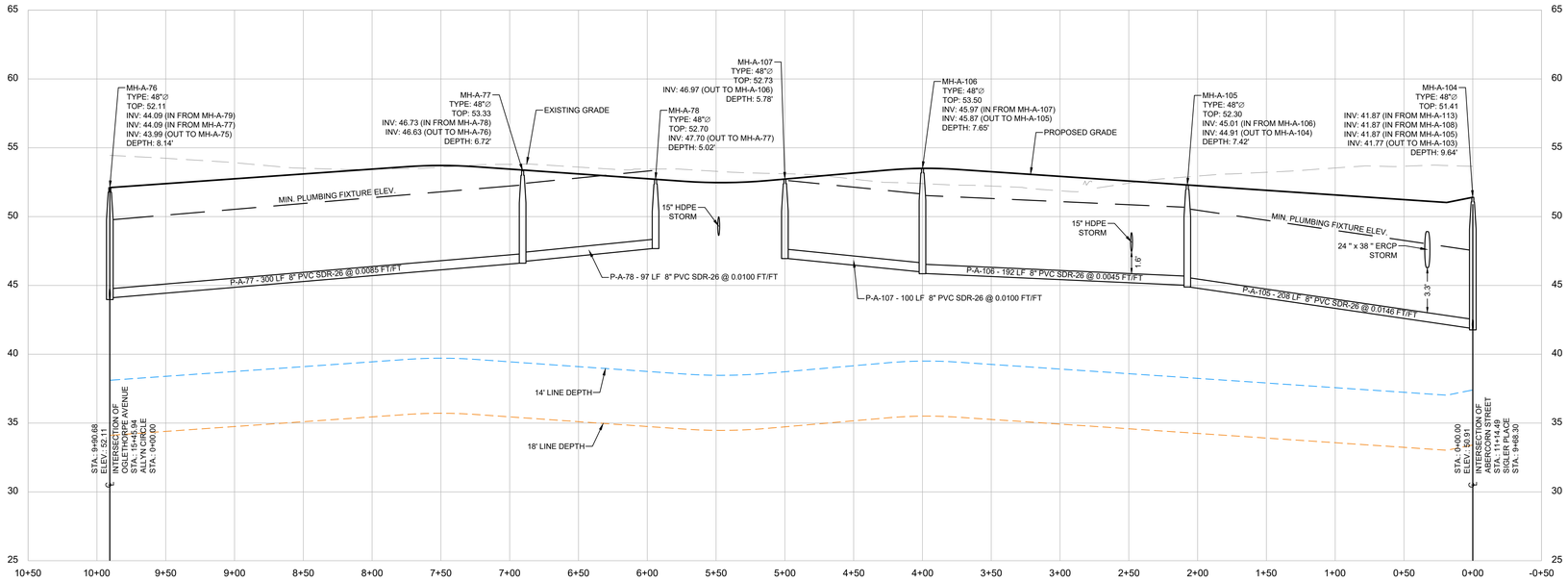
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B17-B30.dwg, B17 BEVERLY & SIGLER, 8/21/2026 8:14:04 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: COYLE WAY

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
COYLE WAY
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

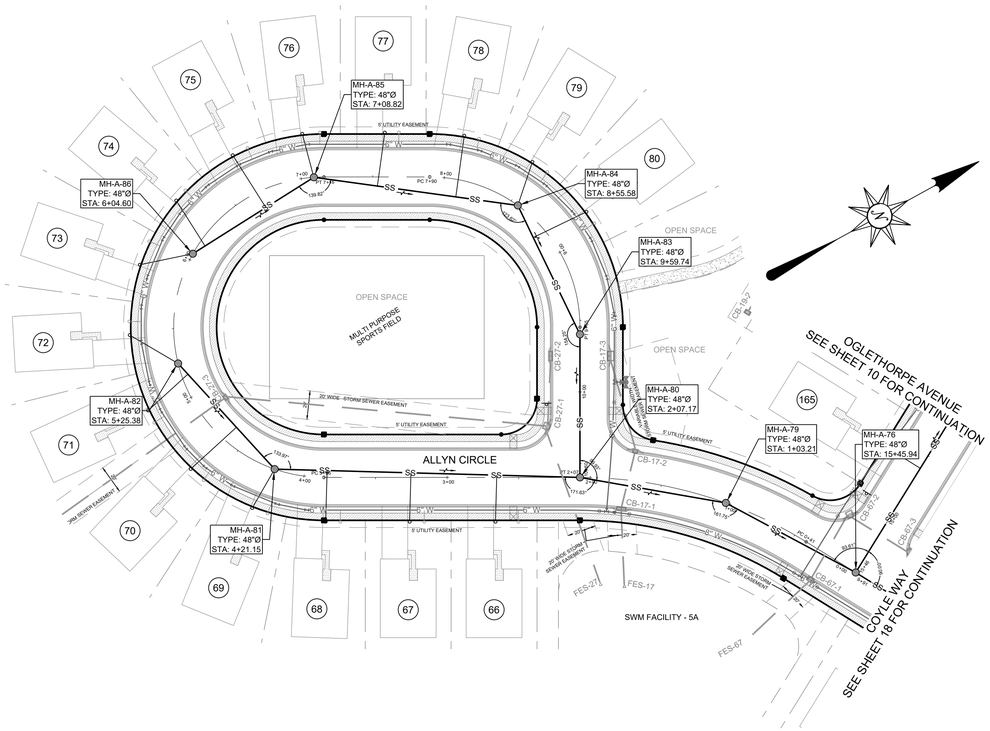
MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

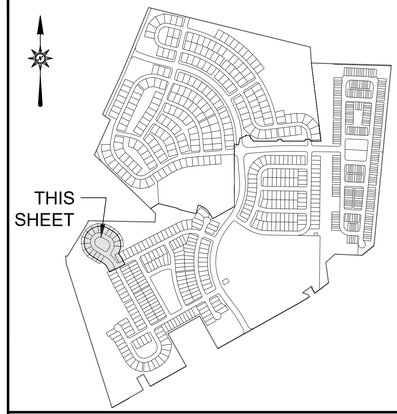
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B17-B30	18 OF 63

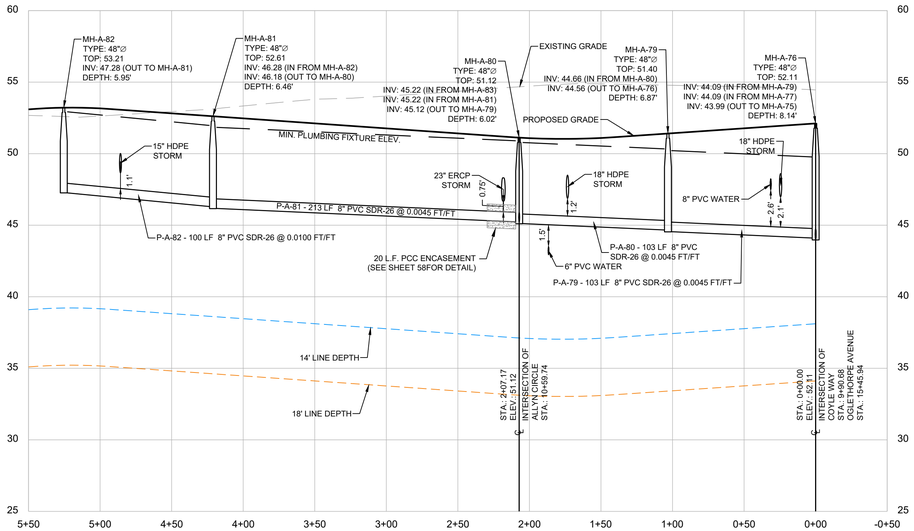
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B17-B30.dwg, B18 COYLE, 8/21/2026 8:14:33 AM



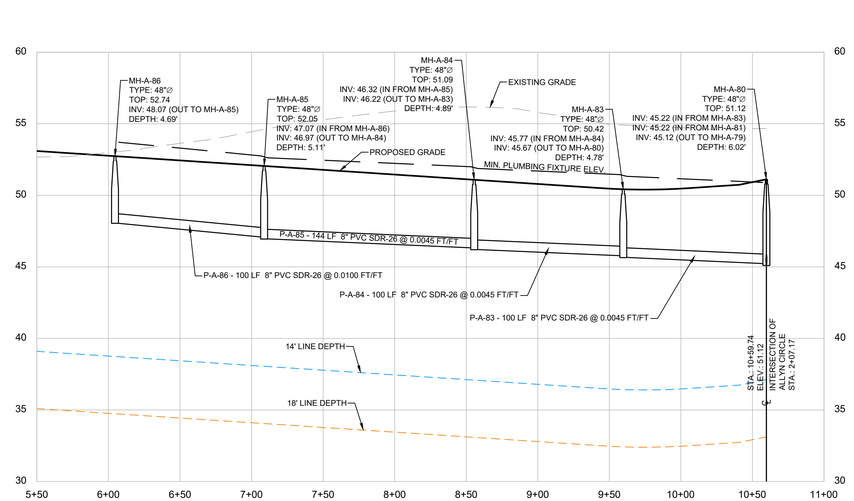


LOCATION MAP SCALE: 1"=1,000'



PROFILE: ALLYN CIRCLE STATIONS 0+00 TO 5+50

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: ALLYN CIRCLE STATIONS 5+50 TO 10+60

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
ALLYN CIRCLE
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

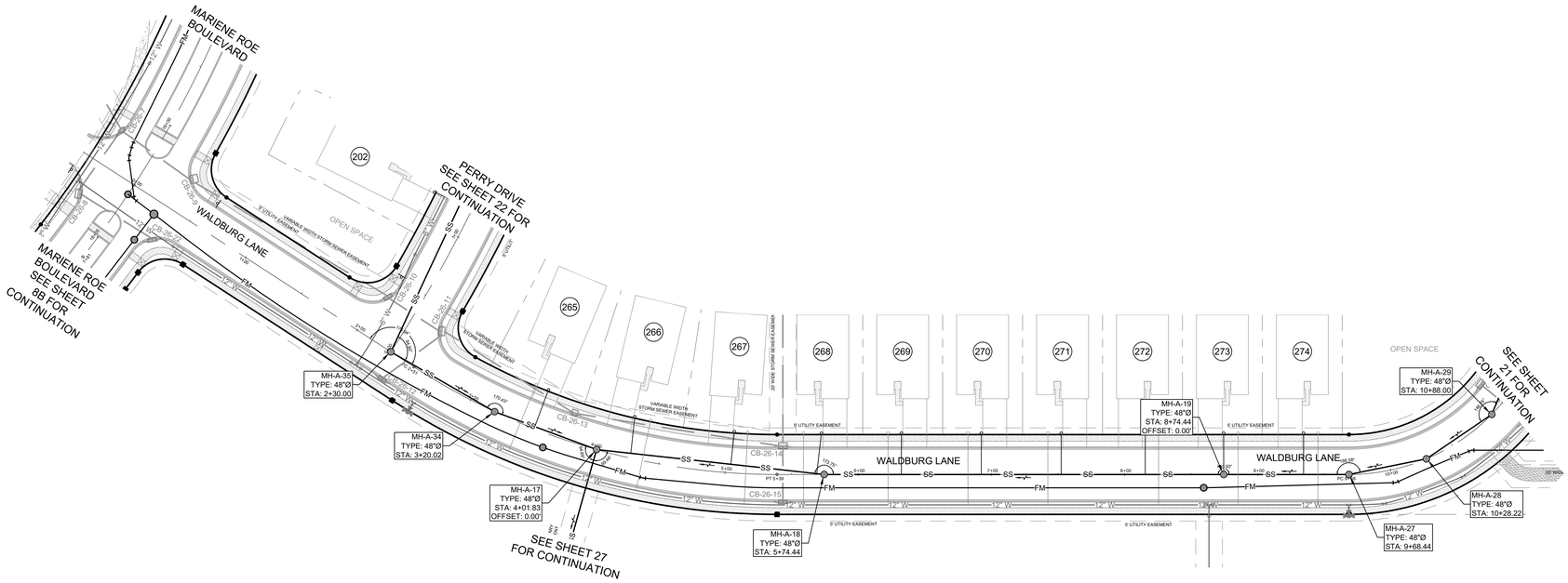
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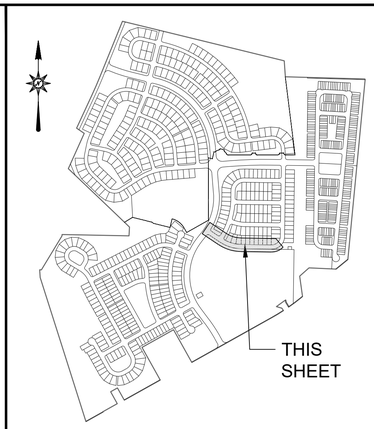
RACHEL M. JOHNSON No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

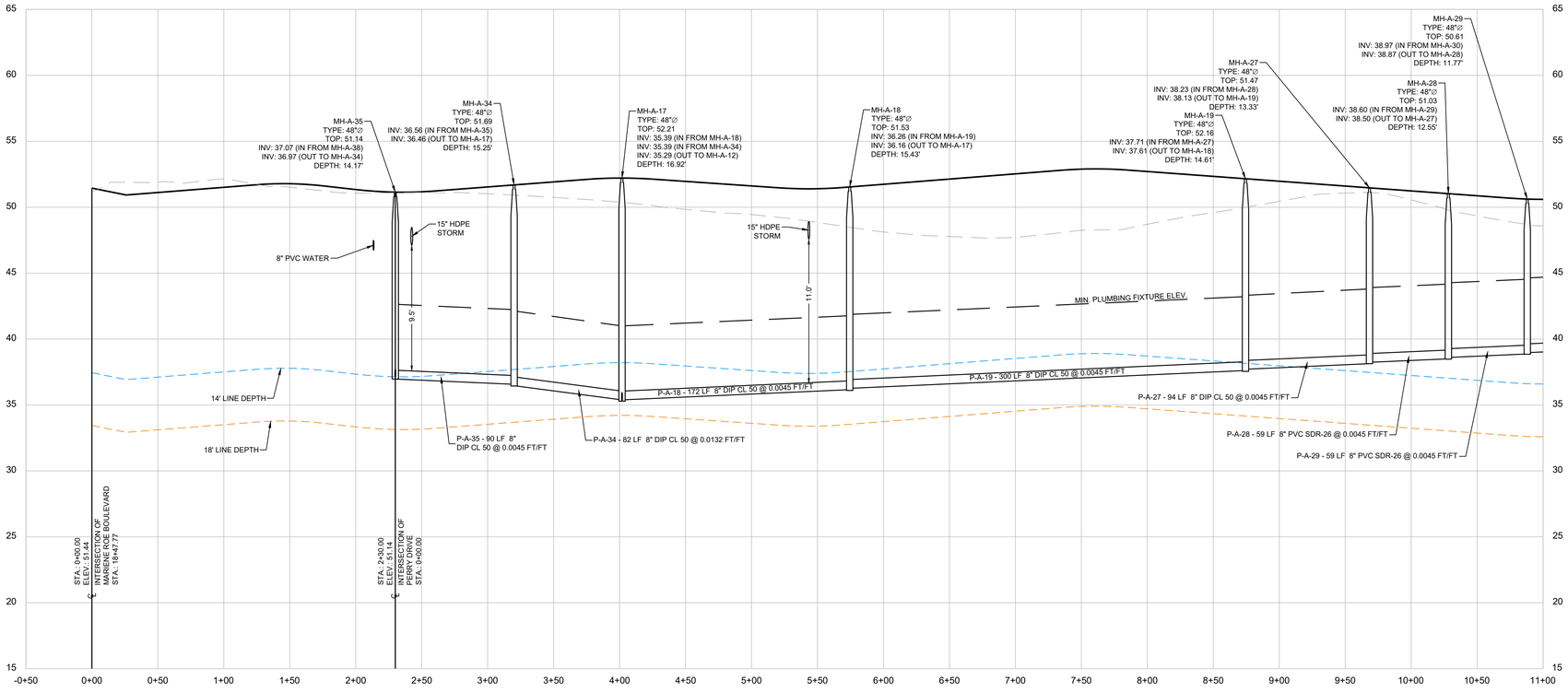
DRAWING NO.	SHEET NO.
3184 - B17-B30	19 OF 63

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LOCATION MAP SCALE: 1"=1,500'



PROFILE: WALDBURG LANE

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

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3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
WALBURG LANE 0+00 TO 10+75 & OFF-STREET MH-A-1 TO PUMPING STATION A
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

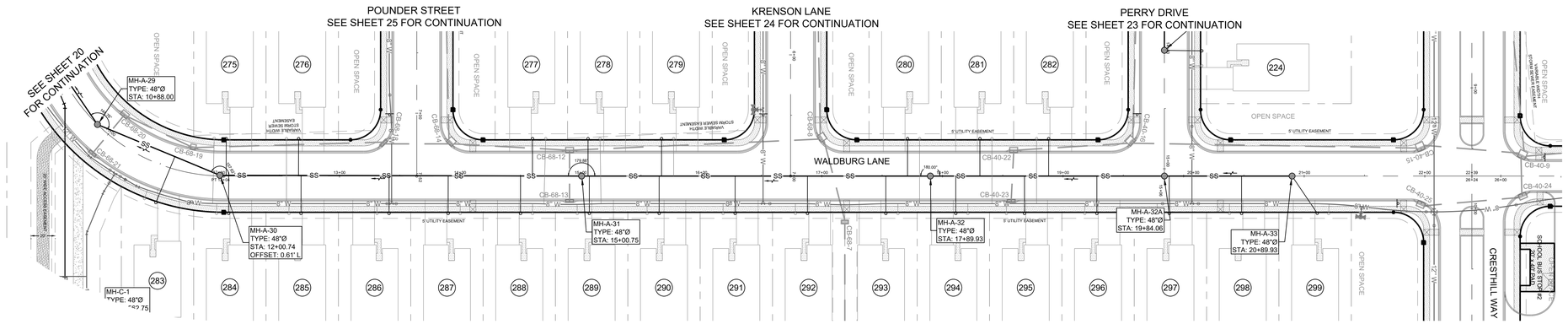
DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

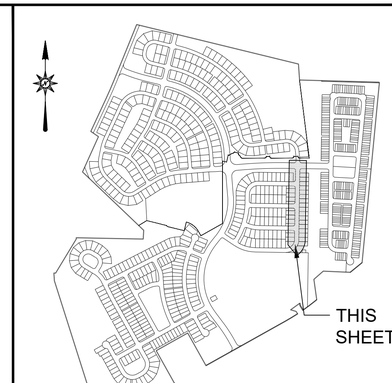
MICHAEL J. KARINS No. 15284 PROFESSIONAL ENGINEER DELAWARE
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

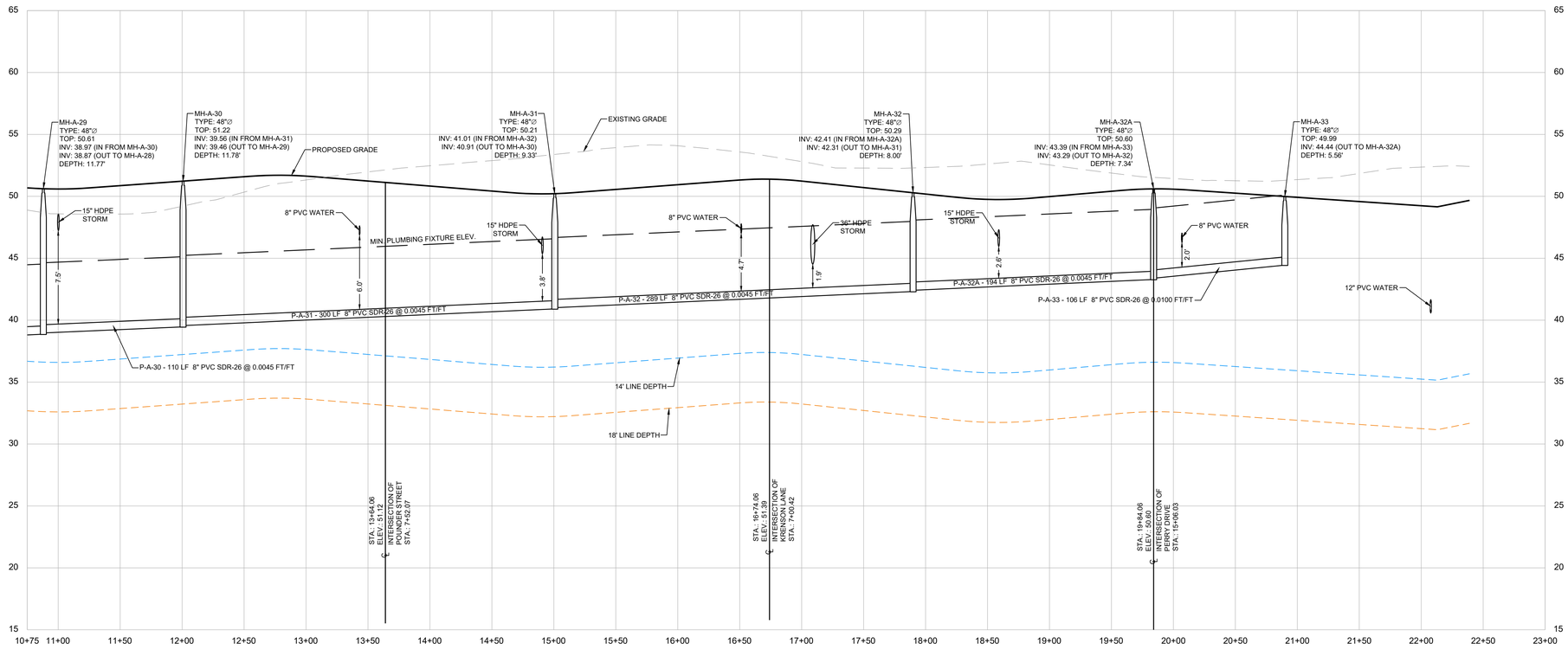
DRAWING NO.	SHEET NO.
3184 - B17-B30	20 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: WALDBURG LANE STATIONS 10+75 TO 22+39

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

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SANITARY SEWER PLAN & PROFILE
FOR
WALBURG LANE 10+50 TO 22+39
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
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302.369.2900
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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

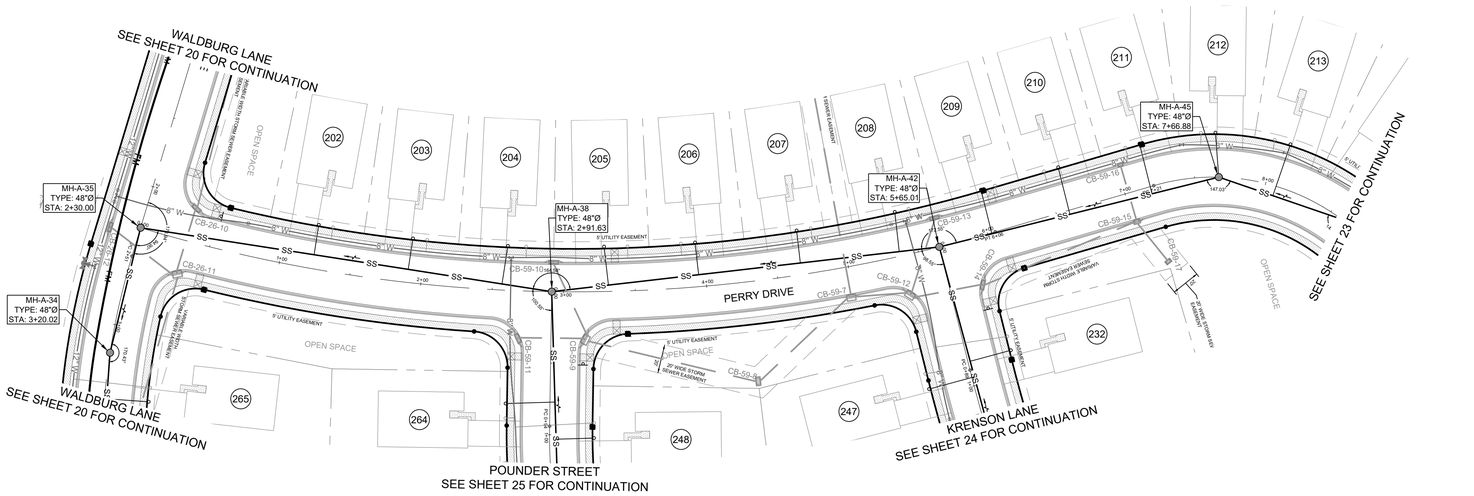
MICHELLE J. KARINS, P.E. No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

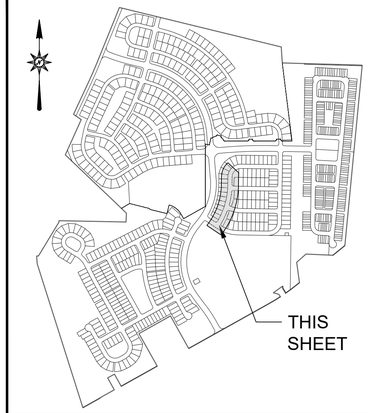
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B17-B30	21 OF 63

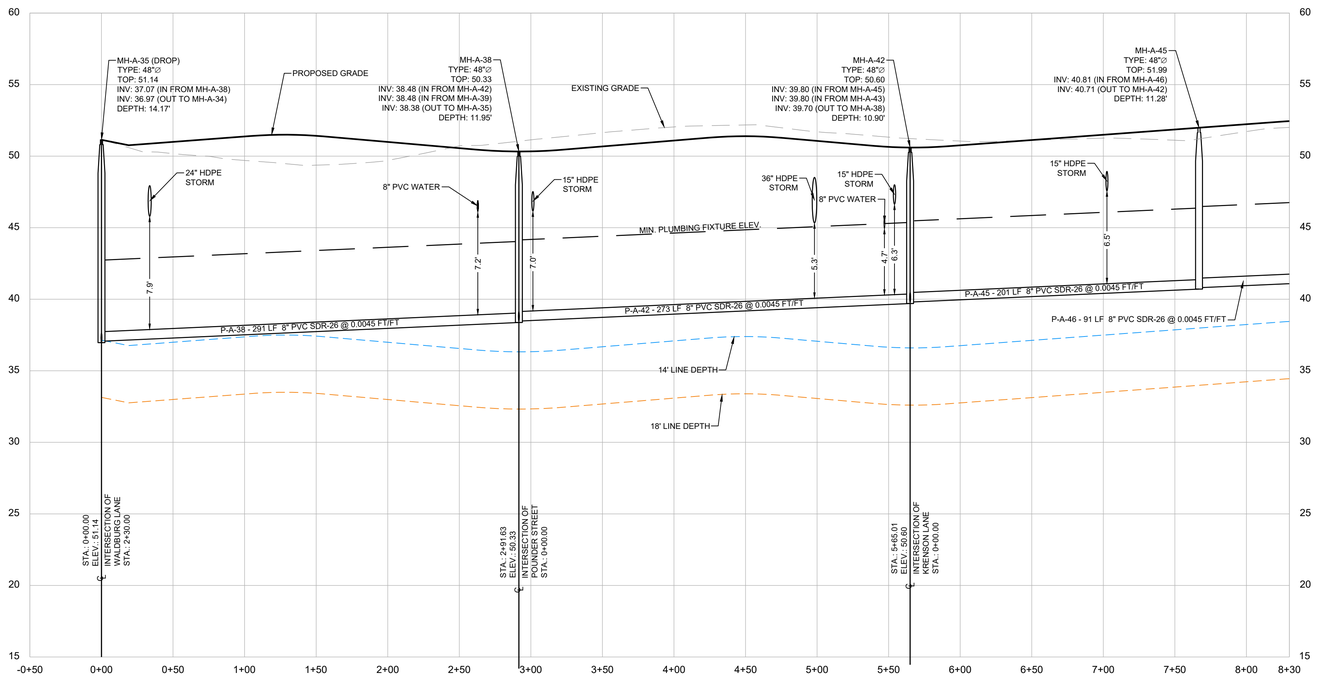
© ATWELL, LLC, 2024

S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B17-B30.dwg, B21 WALDBURG 10+75 TO 22+39, 8/21/2026 8:15:48 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: PERRY DRIVE STATIONS 0+00 TO 8+30

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
PERRY DRIVE 0+00 TO 8+30
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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866.850.4200 www.atwell.com
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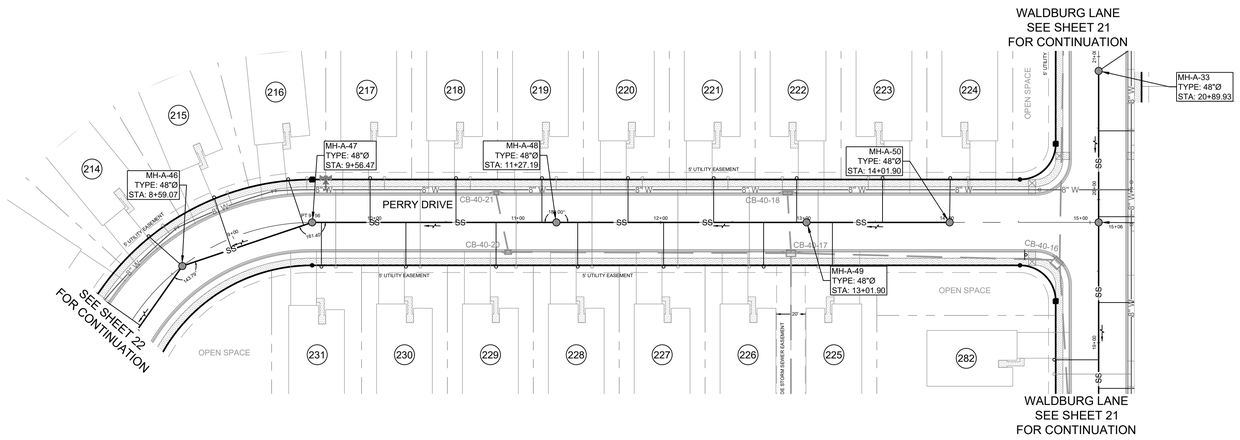
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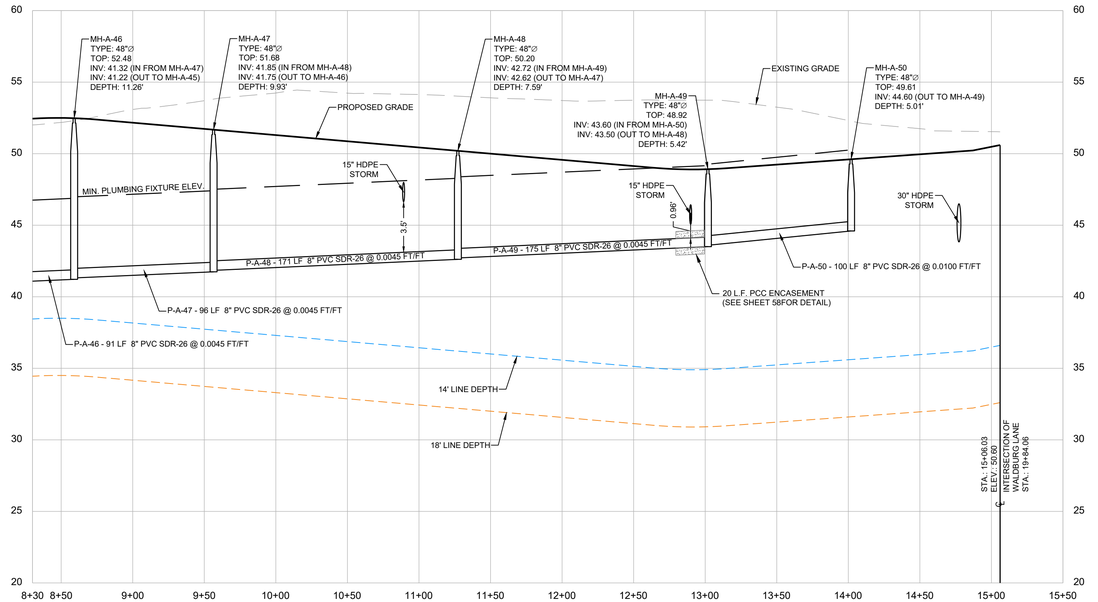
RACHEL J. CUOMO-GENNARO No. 15284 PROFESSIONAL ENGINEER DELAWARE
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B17-B30	22 OF 63

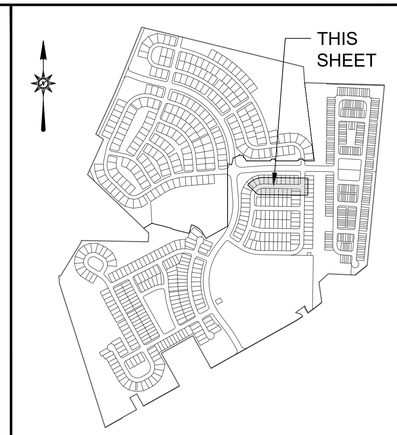
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PROFILE: PERRY DRIVE STATIONS 8+30 TO 15+06

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



LOCATION MAP SCALE: 1"=1,000'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE FOR
FOR
PERRY DRIVE 8+30 TO 15+06
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

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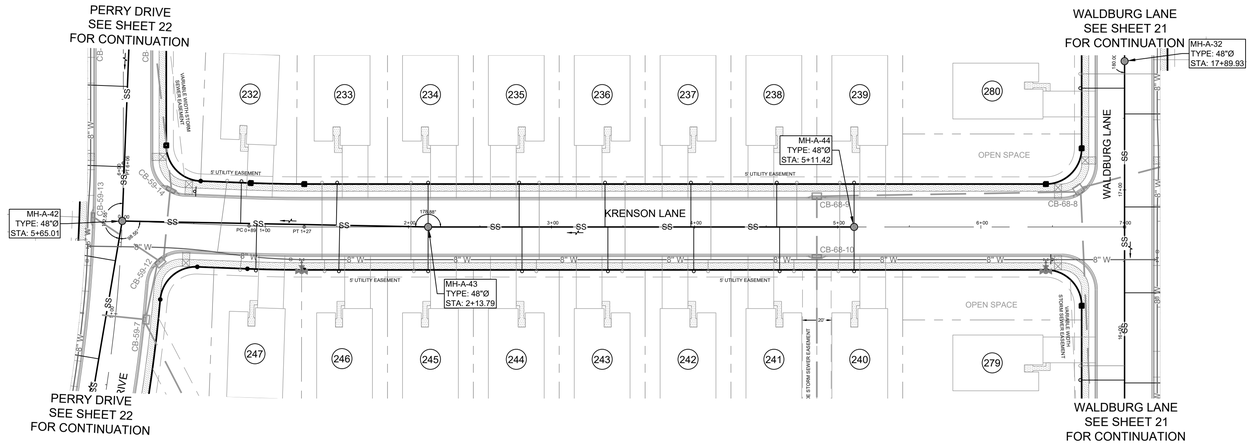
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CHECKED BY MJK SCALE 1"=50'

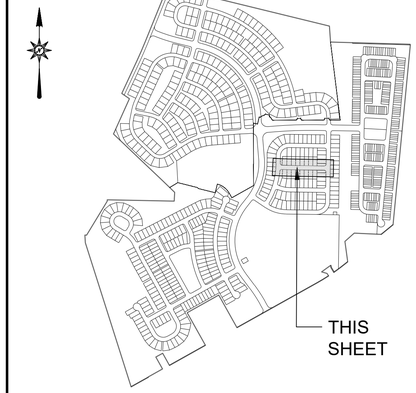
MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

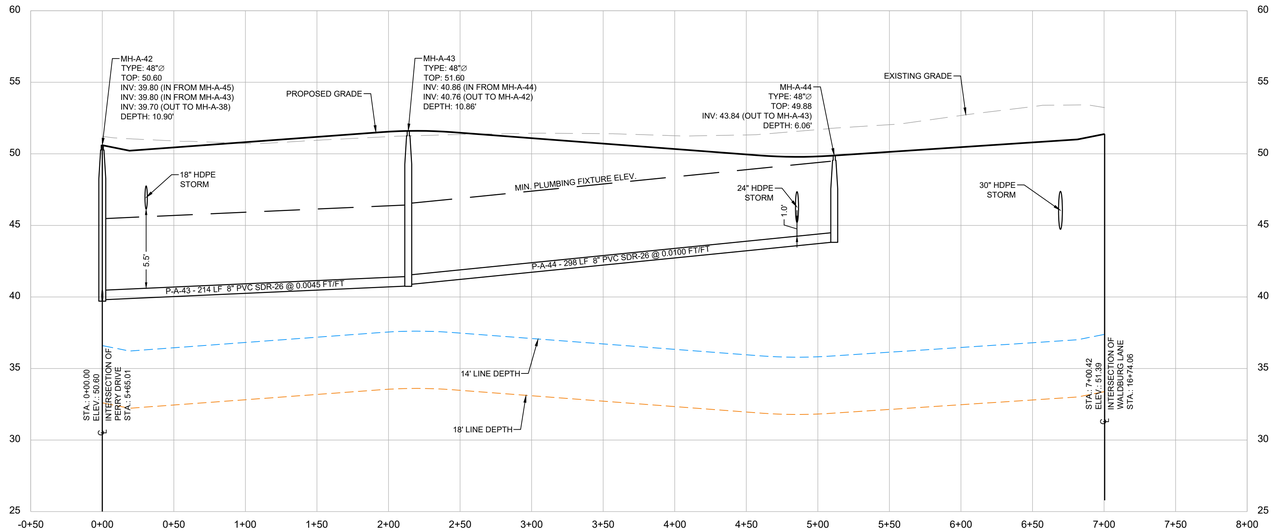
DRAWING NO.	SHEET NO.
3184 - B17-B30	23 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: KRENSON LANE

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

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2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
KRENSON LANE
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

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CHECKED BY MJK SCALE 1"=50'

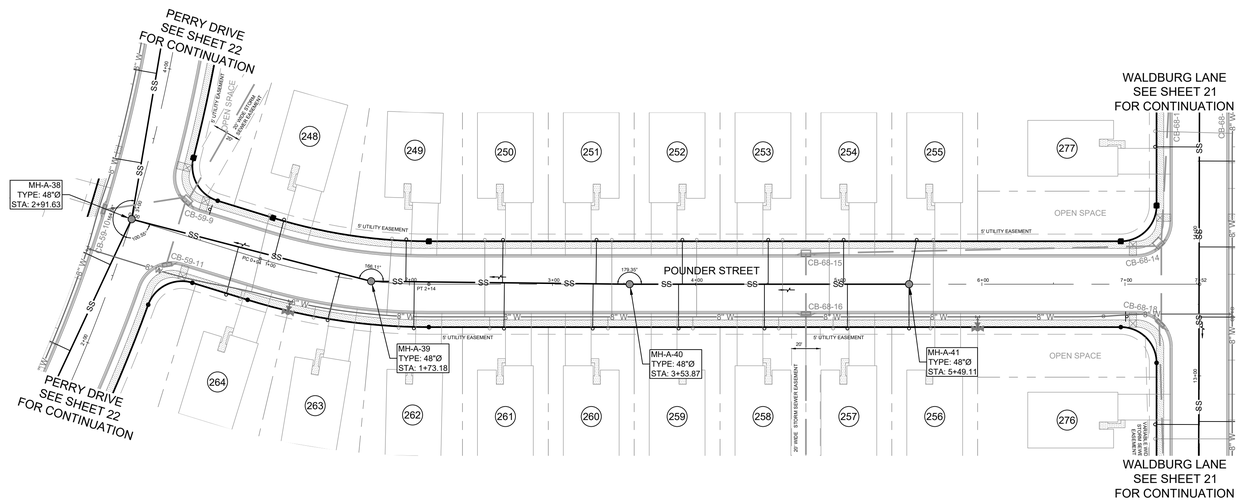
RICHARD T. KARINS, JR. No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

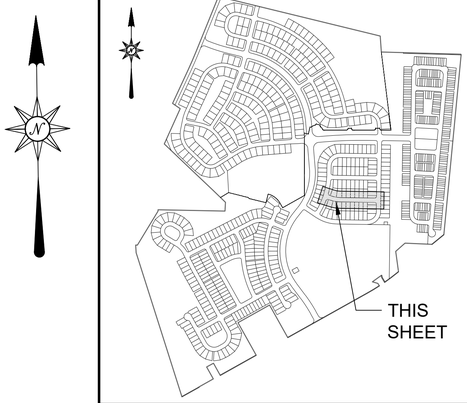
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B17-B30	24 OF 63

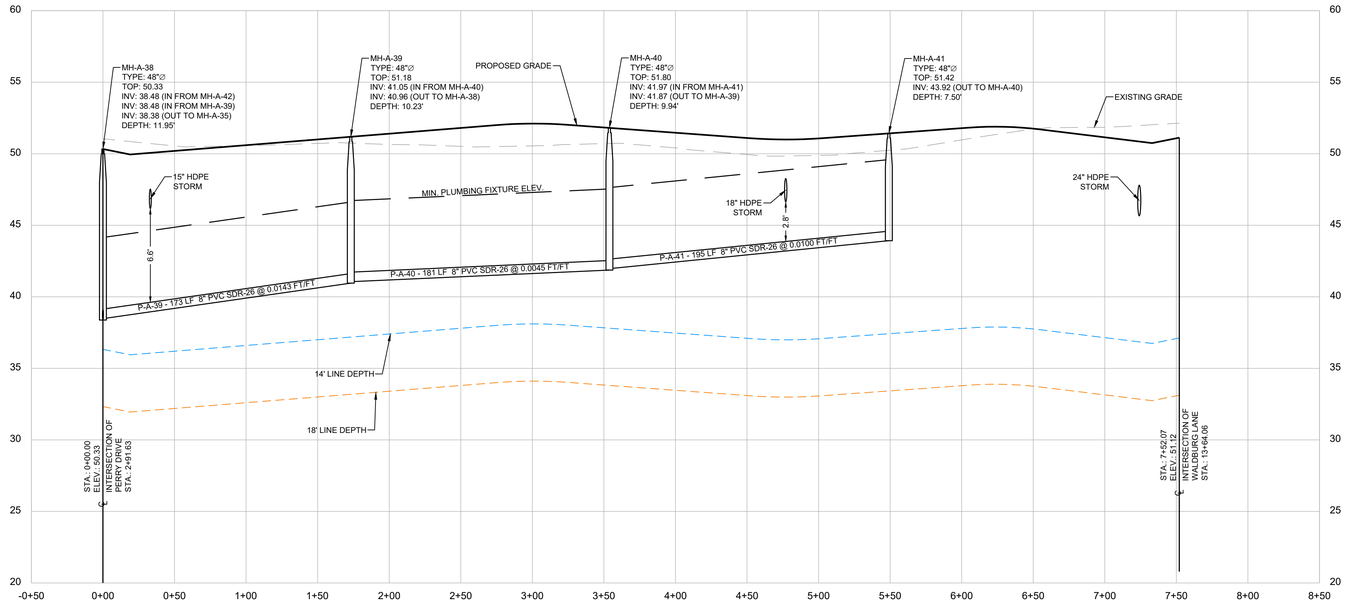
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B17-B30.dwg, B24 KRENSON, 8/21/2026 8:16:58 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: POUNDER STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
POUNDER STREET
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

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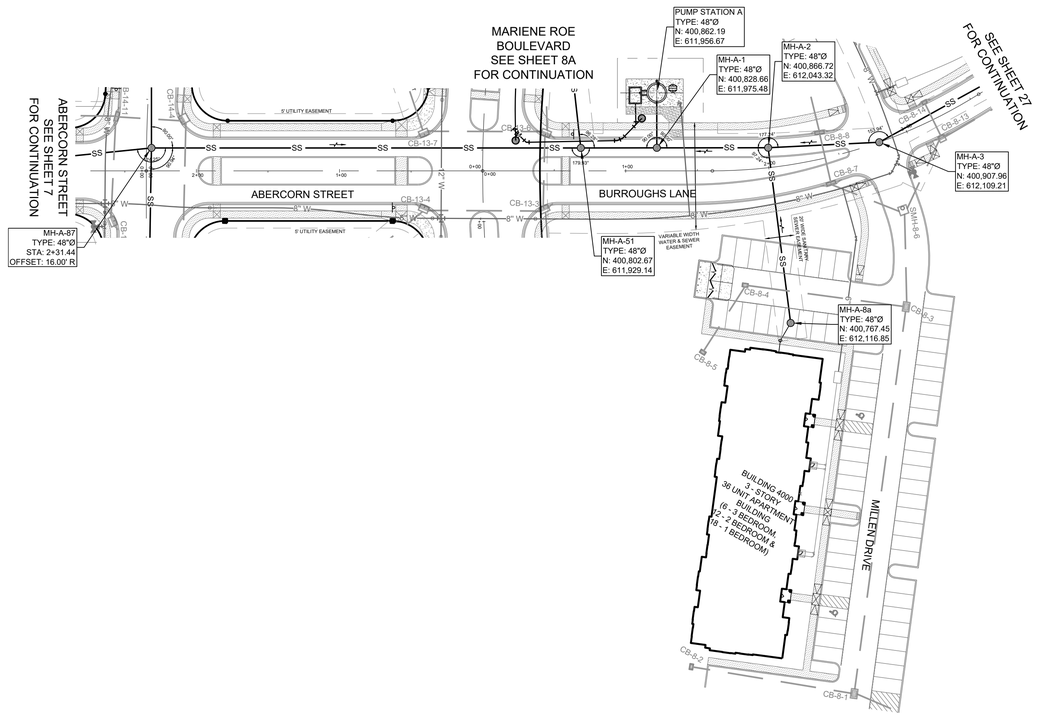
DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

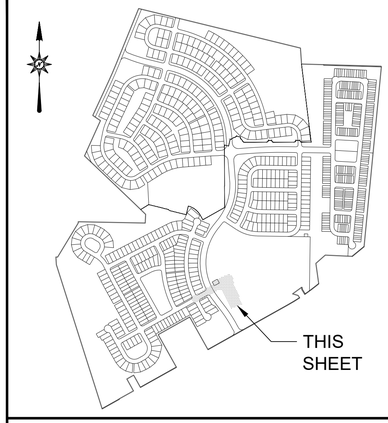
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B17-B30	25 OF 63

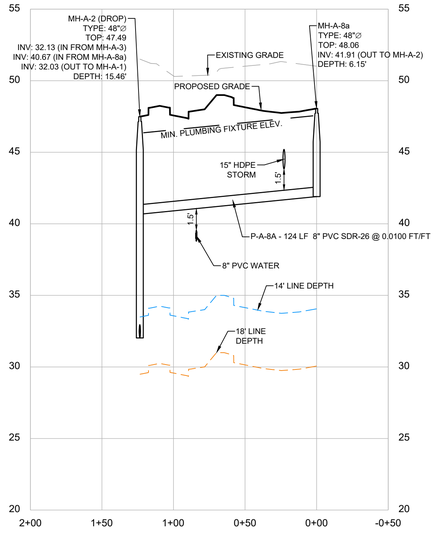
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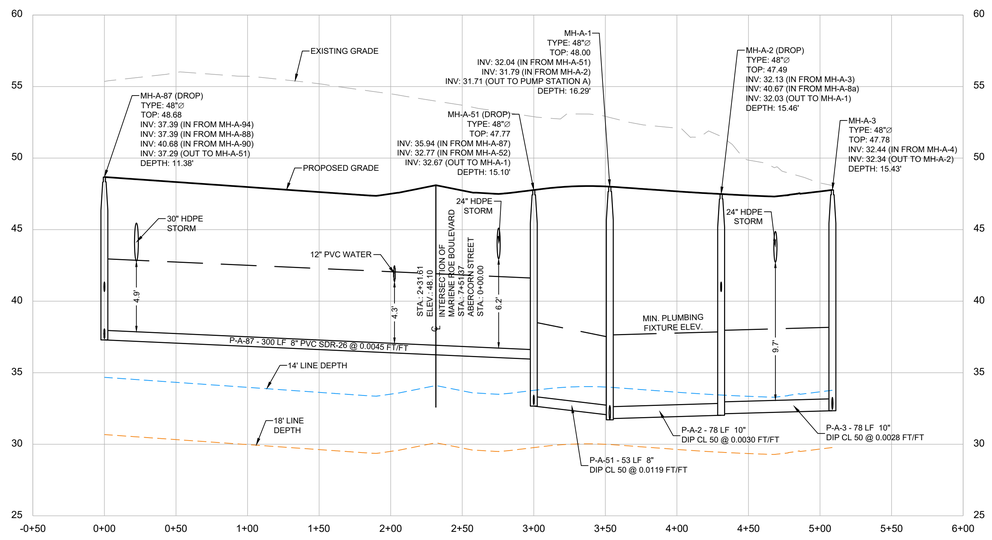


LOCATION MAP SCALE: 1"=1,000'



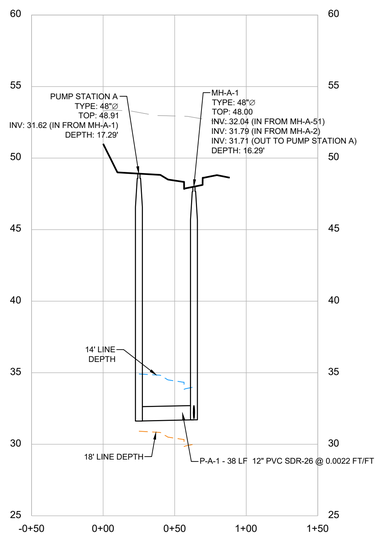
PROFILE: MH-A-8A TO MH-A-2

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: MH-A-87 & MH-A-2 TO MH-A-1

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: MH-A-1 TO PUMPING STATION A

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
MH-A-87 TO MH-A-3, MH-A-8A AND MH-A-2 AND MH-A-1 TO PUMPING STATION A
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19

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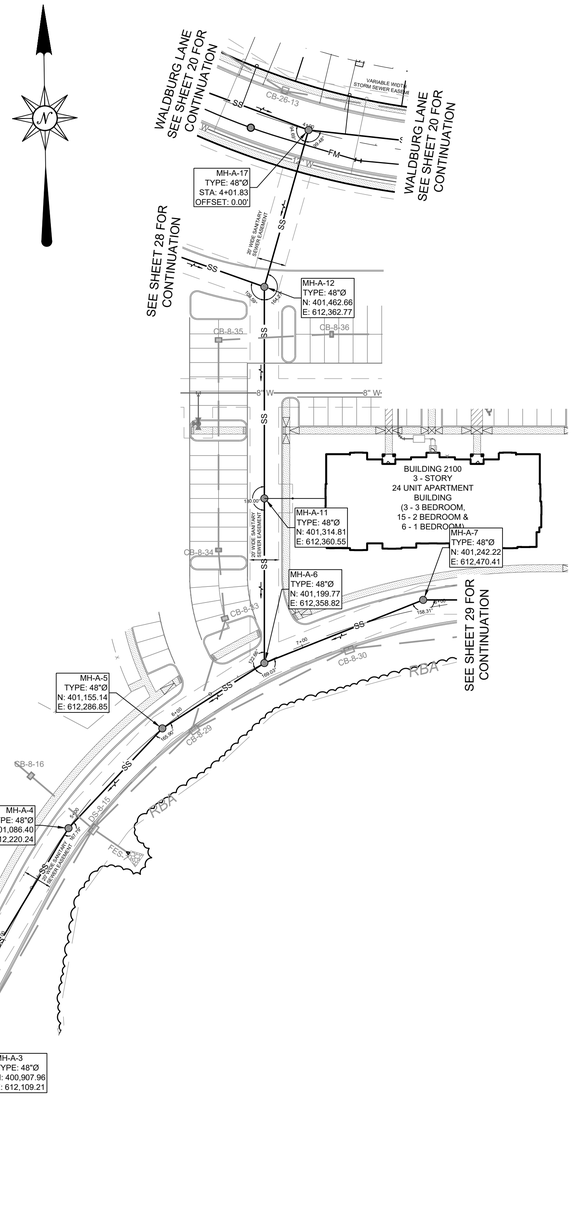
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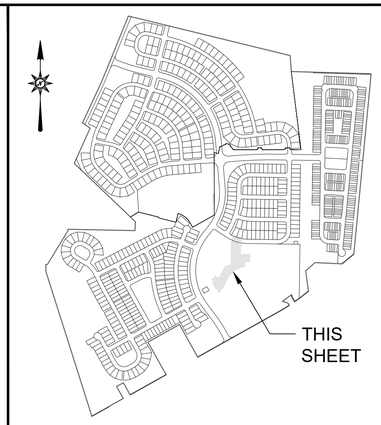
09-02-2026 PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

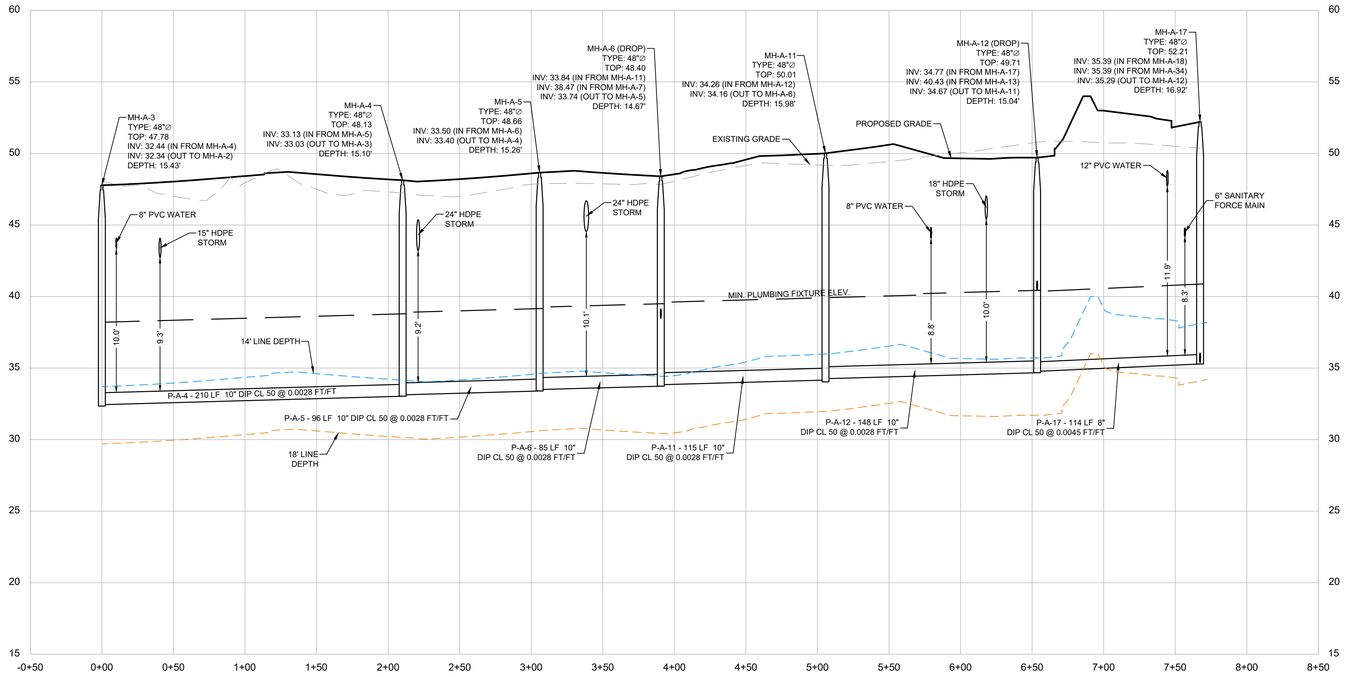
DRAWING NO.	SHEET NO.
3184 - B17-B30	26 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: MH-A-17 TO MH-A-3

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
MH-A-17 TO MH-A-2 AND MH-A-8 TO MH-A-7
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

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671 S. CARTER ROAD
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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

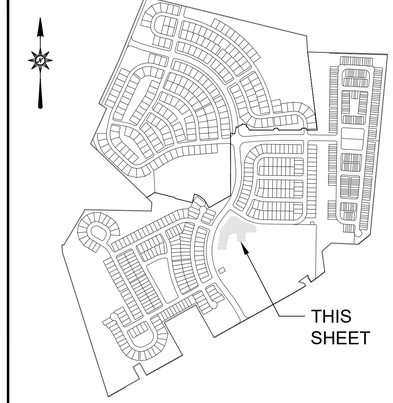
MICHELLE J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

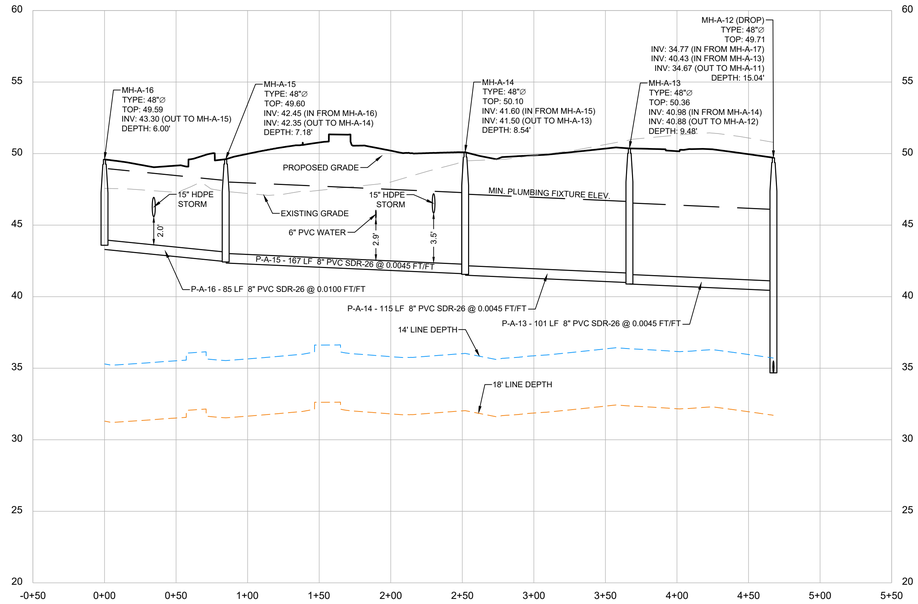
DRAWING NO.	SHEET NO.
3184 - B17-B30	27 OF 63

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LOCATION MAP SCALE: 1"=1,500'



PROFILE: MH-A-16 TO MH-A-12

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

SANITARY SEWER PLAN & PROFILE
FOR
OFF-STREET MH-A-16 TO MH-A-12
IN
SAVANNAH FARMS

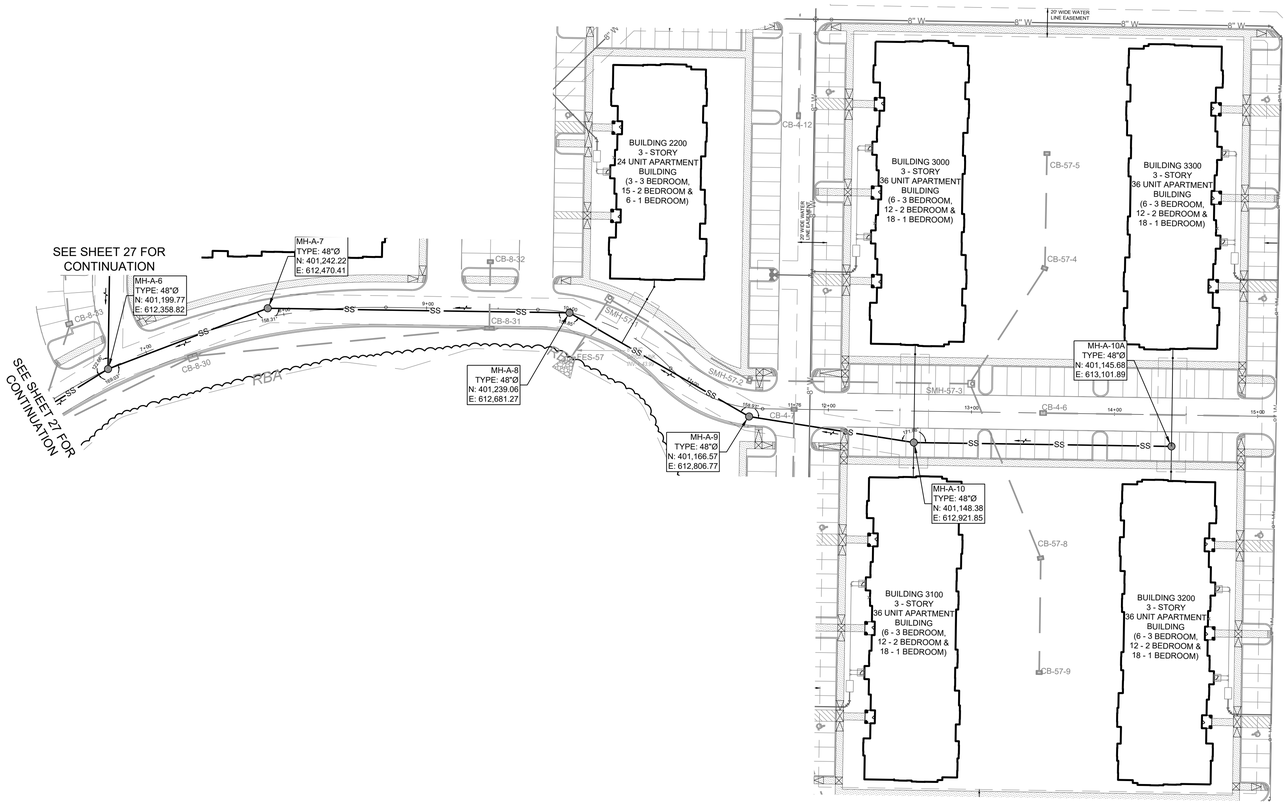
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

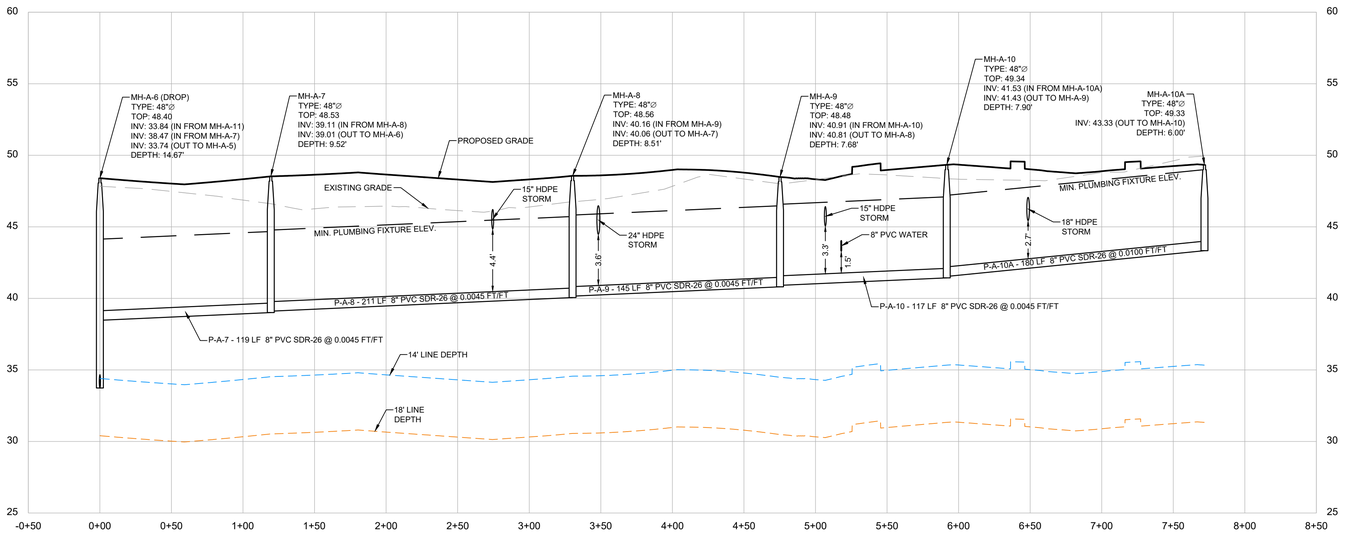
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B17-B30	28 OF 63

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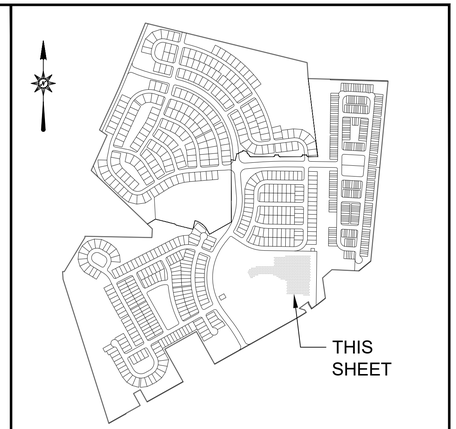






PROFILE: MH-A-10A TO MH-A-6

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



LOCATION MAP SCALE: 1"=1,000'

NOTES:

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2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
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REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

STATE OF DELAWARE No. 18284 PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B17-B30	29 OF 63

SANITARY SEWER PLAN & PROFILE
FOR
MH-A-10 TO MH-A-7
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

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NOTES:

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1	3/26/2026	REVISED PER CWSWA COMMENTS

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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

MICHAEL J. KARINS No. 18284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

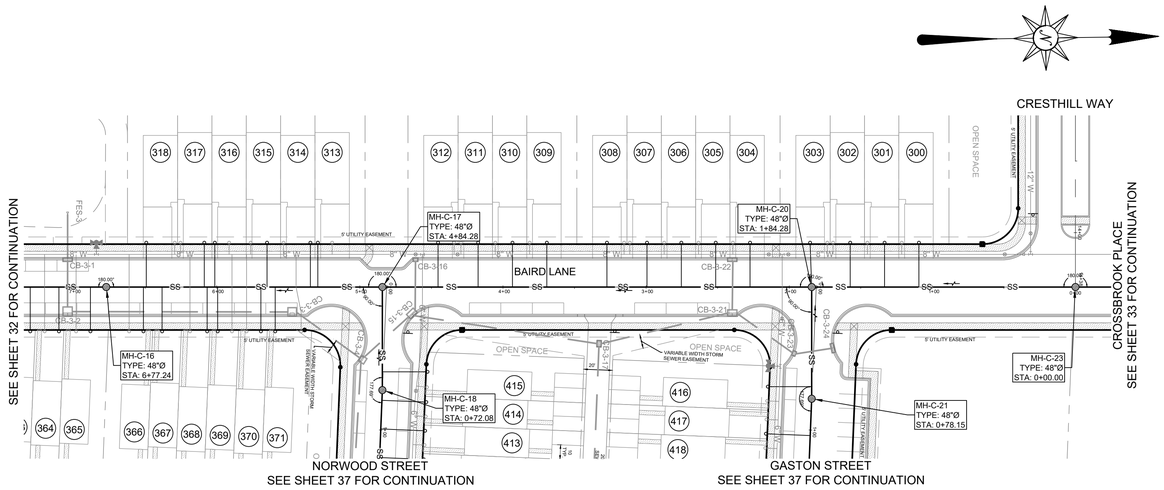
SANITARY SEWER PLAN & PROFILE
FOR
SAVANNAH FARMS

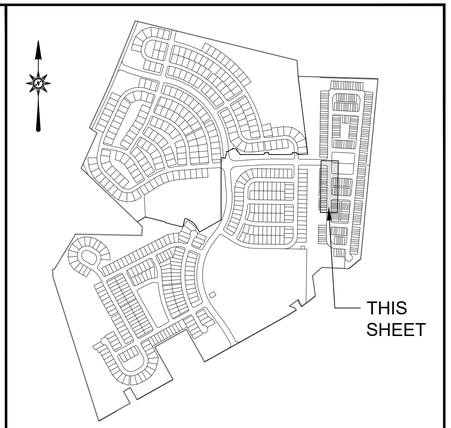
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

CAMDEN-WYOMING SEWER & WATER AUTHORITY

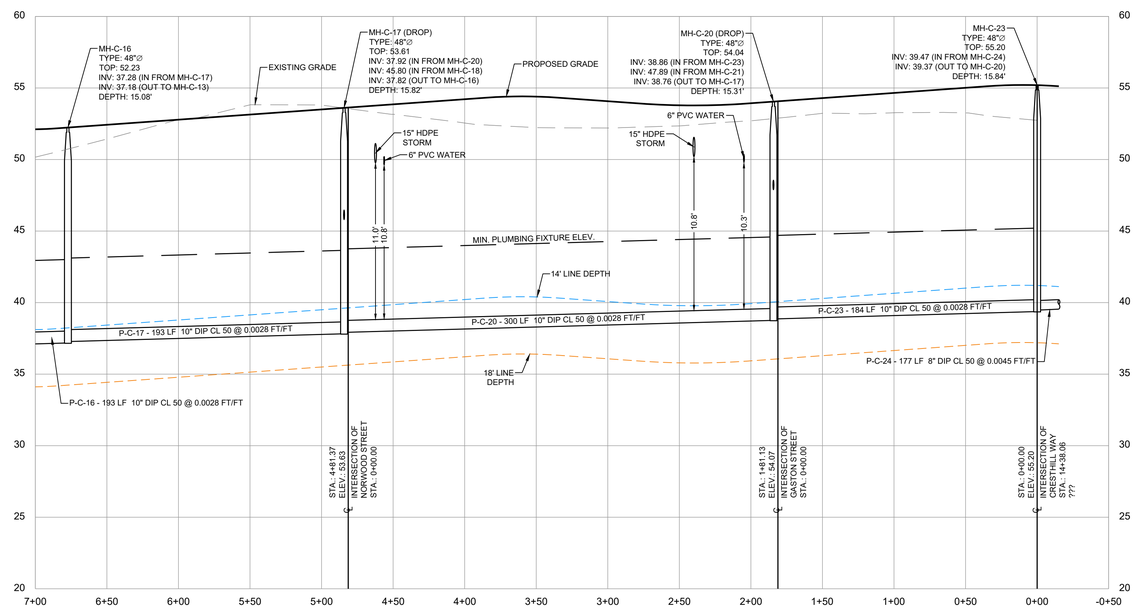
DRAWING NO.	SHEET NO.
3184 - B17-B30	30 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: BAIRD LANE STATIONS 0+00 TO 7+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

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SANITARY SEWER PLAN & PROFILE
FOR
BAIRD LANE 0+00 TO 7+00
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
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302.369.2900
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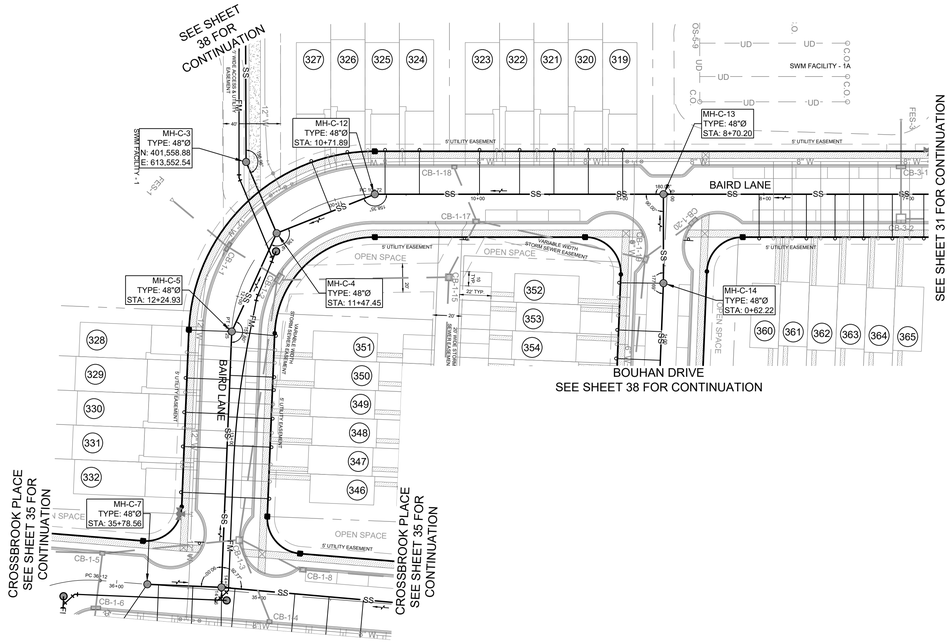
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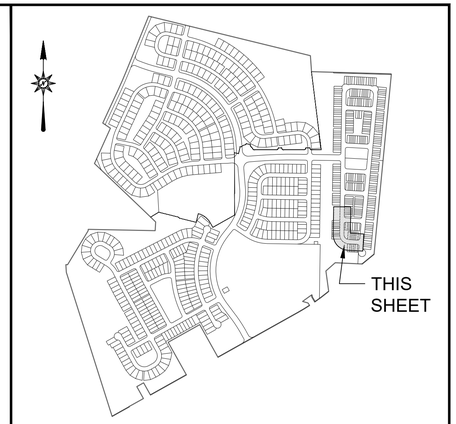
MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

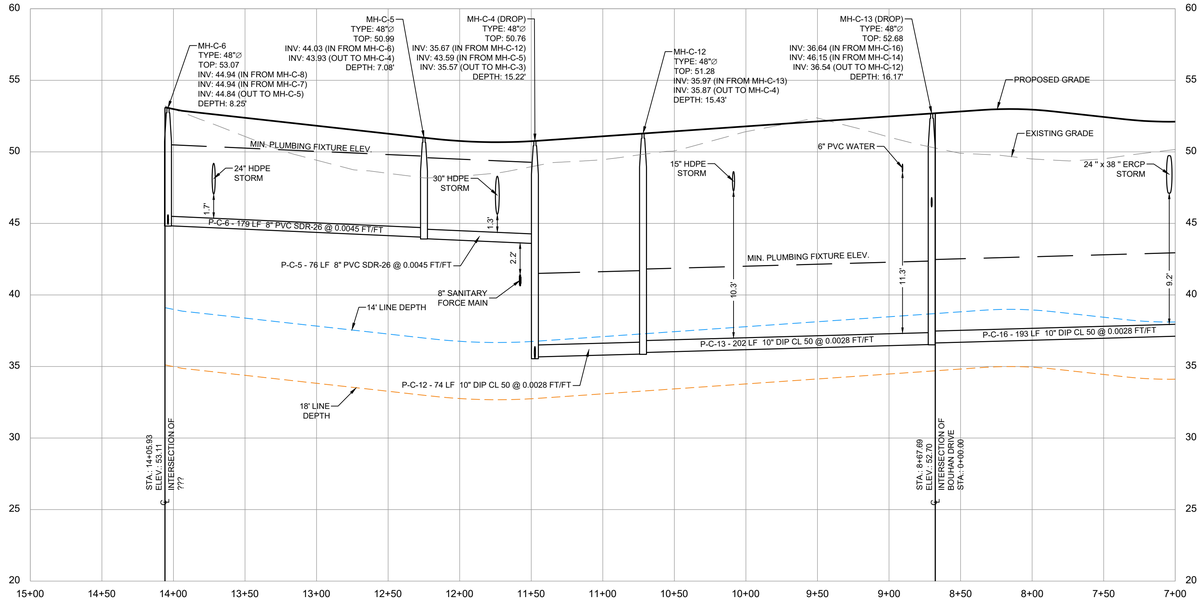
DRAWING NO.	SHEET NO.
3184 - B31-B44	31 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: BAIRD LANE STATIONS 7+00 TO 14+10

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
BAIRD LANE 7+00 TO 14+10
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
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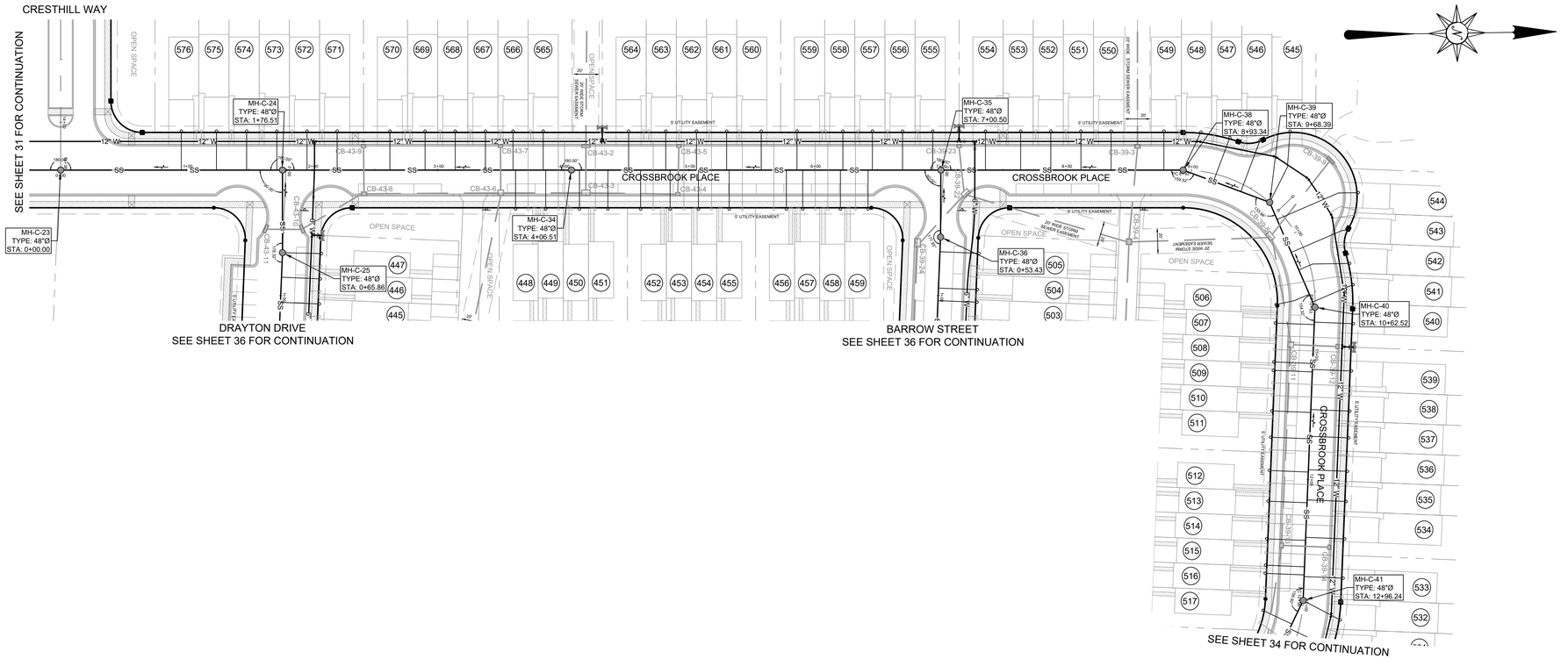
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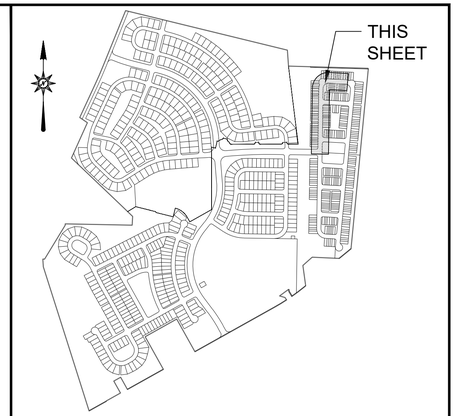
MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

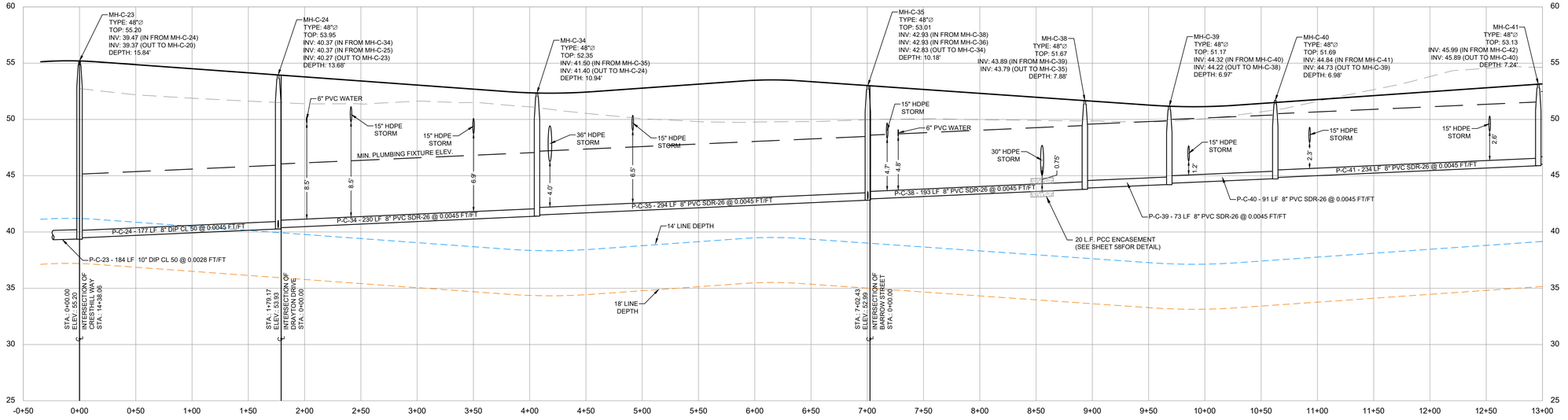
DRAWING NO.	SHEET NO.
3184 - B31-B44	32 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: CROSSBROOK PLACE STATIONS 0+00 TO 13+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

09-02-2026
PROFESSIONAL ENGINEER

SANITARY SEWER PLAN & PROFILE
FOR
CROSSBROOK PLACE 0+00 TO 13+00
IN
SAVANNAH FARMS

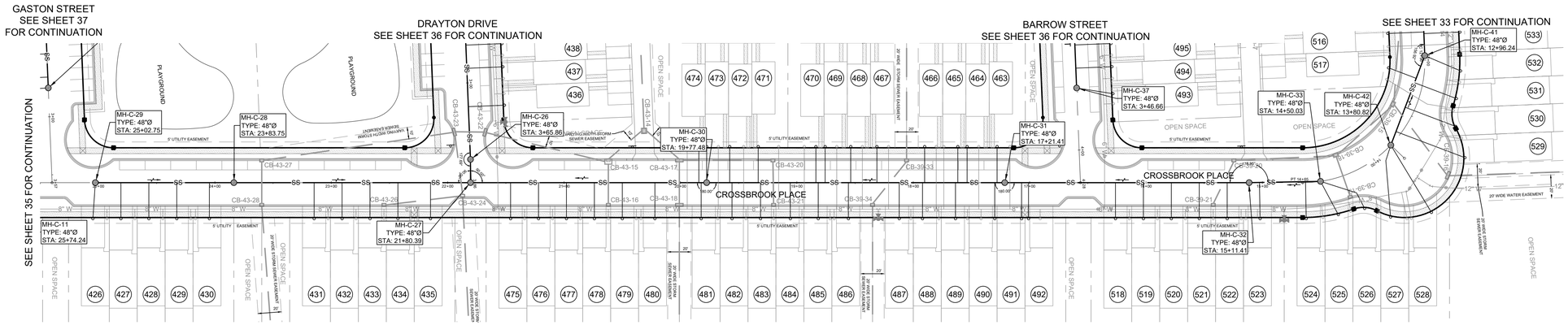
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

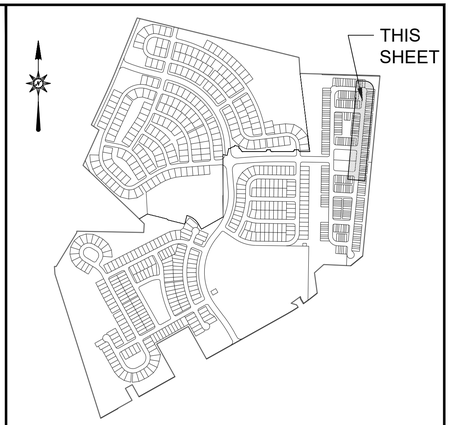
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B31-B44	33 OF 63

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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B31-B44.dwg, B33 CROSSBROOK 0+00 TO 13+00, 8/21/2026 8:20:22 AM





PROFILE: CROSSBROOK PLACE STATIONS 13+00 TO 26+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
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SMYRNA, DE 19977
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** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

RACHEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

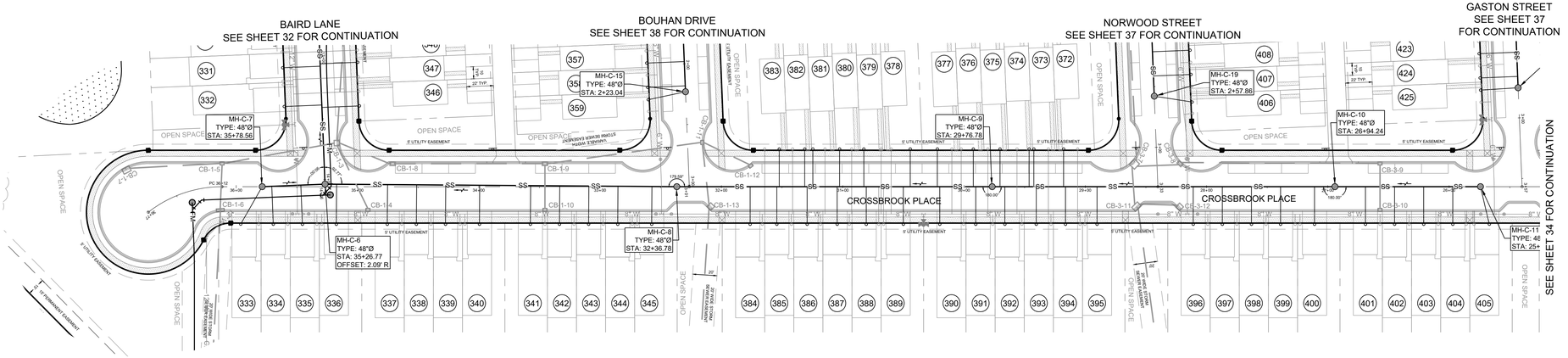
SANITARY SEWER PLAN & PROFILE
FOR
CROSSBROOK PLACE 13+00 TO 26+00
IN
SAVANNAH FARMS

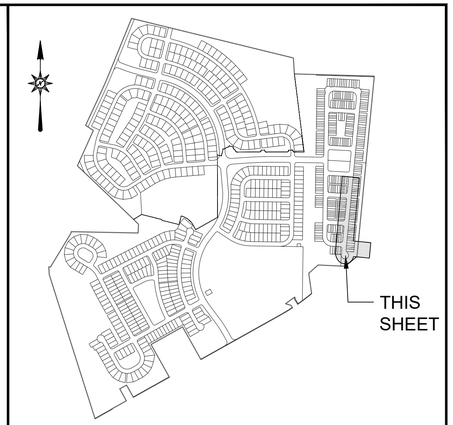
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

CAMDEN-WYOMING SEWER & WATER AUTHORITY

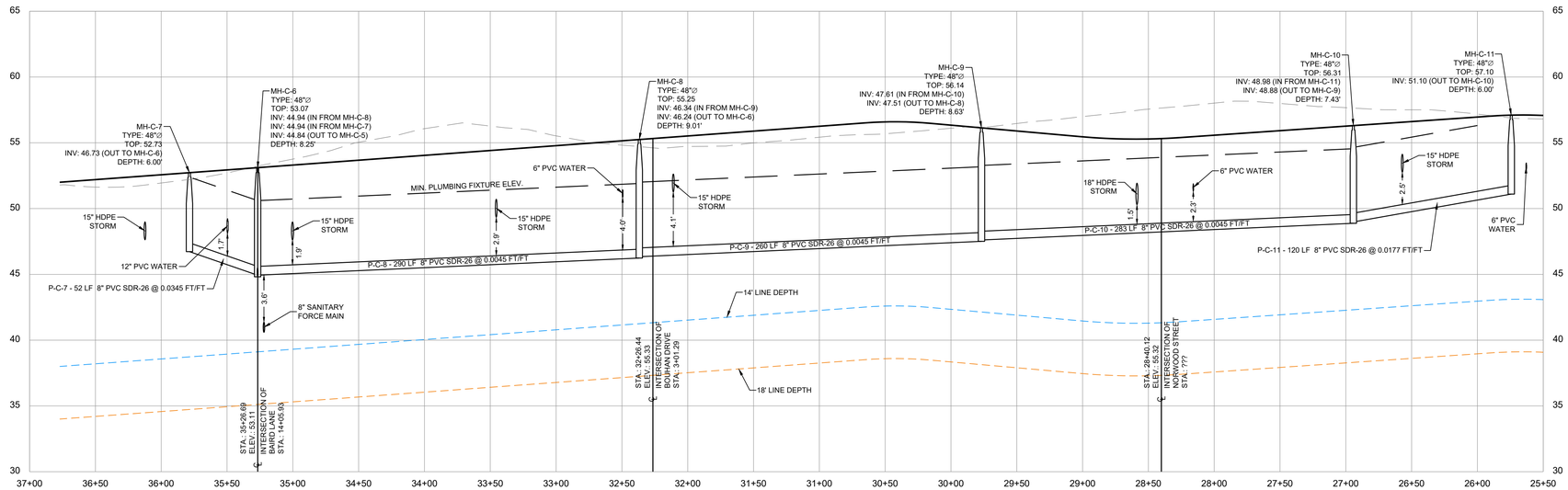
DRAWING NO.	SHEET NO.
3184 - B31-B44	34 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: CROSSBROOK PLACE 26+00 TO 36+77 (1)

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE AS SHOWN

No. 18284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

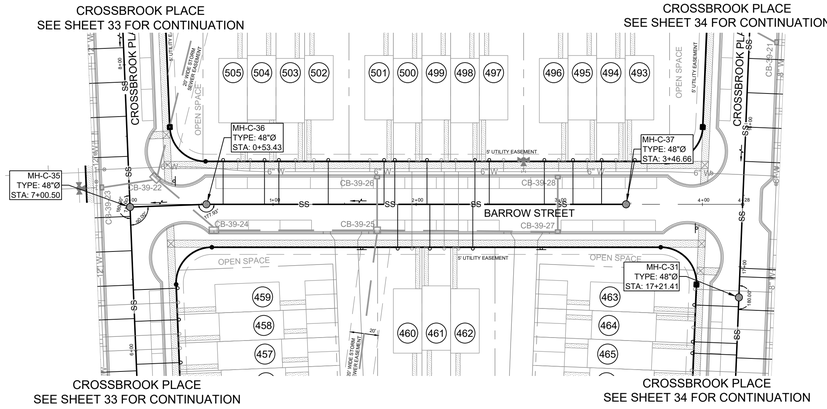
SANITARY SEWER PLAN & PROFILE
FOR
CROSSBROOK PLACE 26+00 TO 36+77
IN
SAVANNAH FARMS

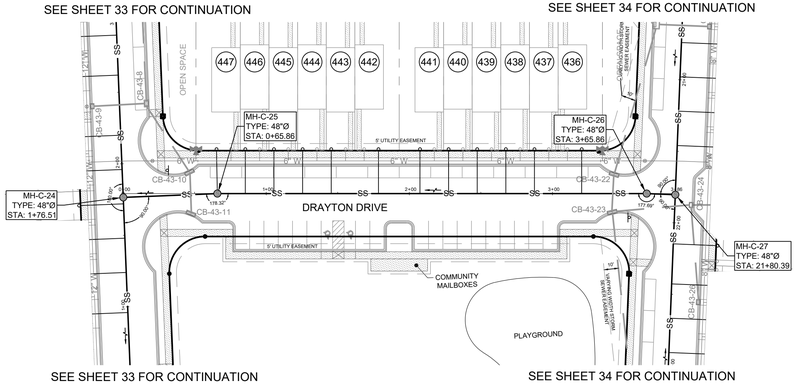
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

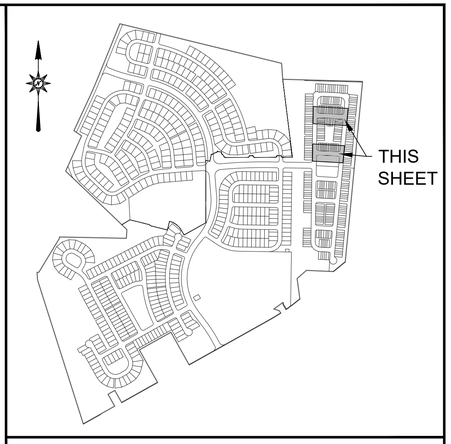
CAMDEN-WYOMING SEWER & WATER AUTHORITY

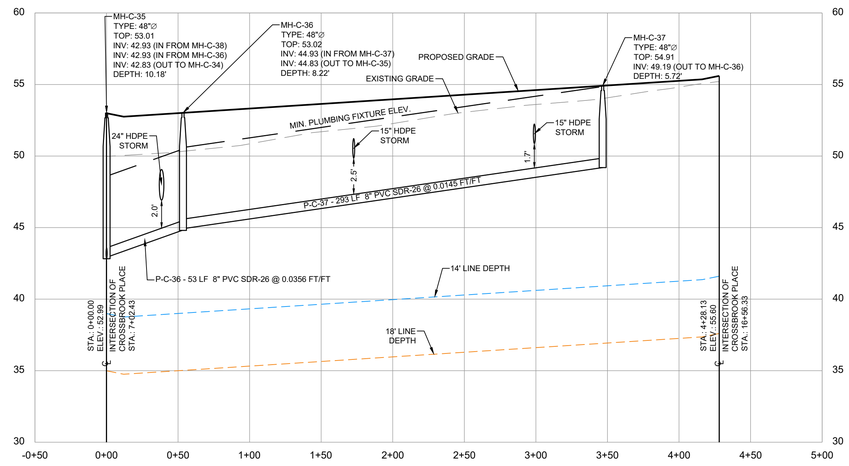
DRAWING NO.	SHEET NO.
3184 - B31-B44	35 OF 63

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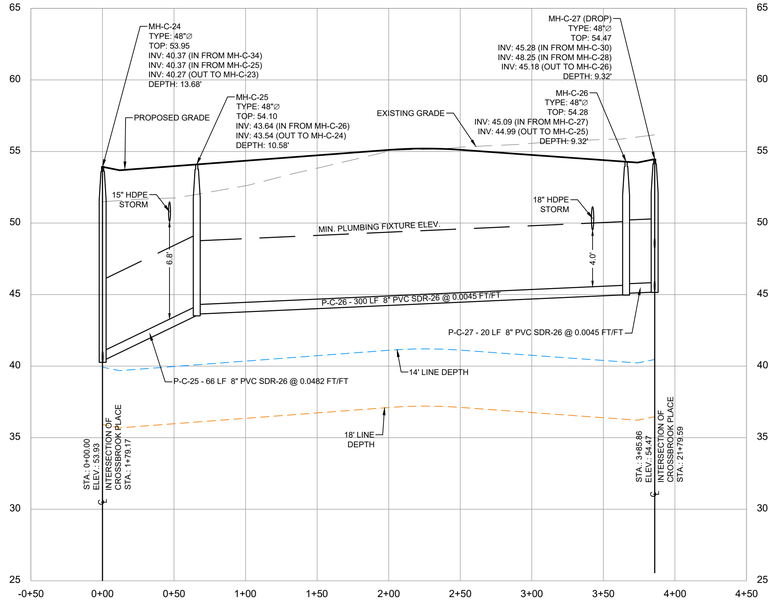






PROFILE: BARROW STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: DRAYTON DRIVE

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

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2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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17 POLLY DRUMMOND CENTER, SUITE 201
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302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

09-02-2026
PROFESSIONAL ENGINEER

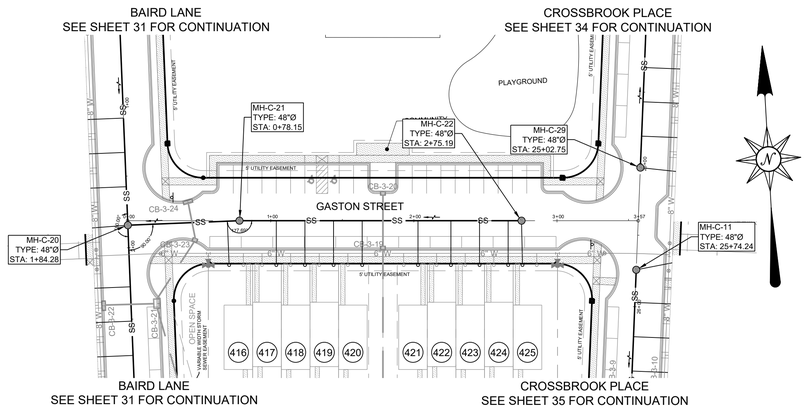
SANITARY SEWER PLAN & PROFILE
FOR
BARROW STREET & DRAYTON DRIVE
IN
SAVANNAH FARMS

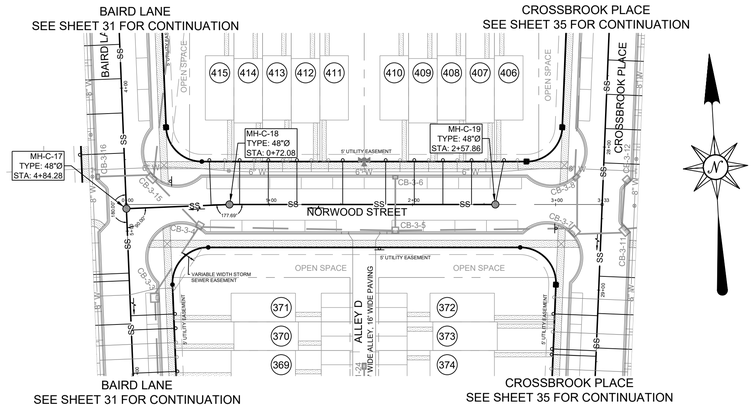
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

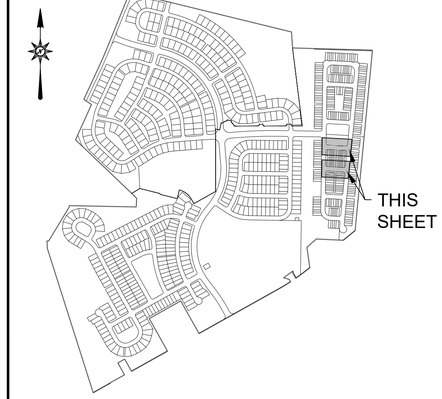
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B31-B44	36 OF 63

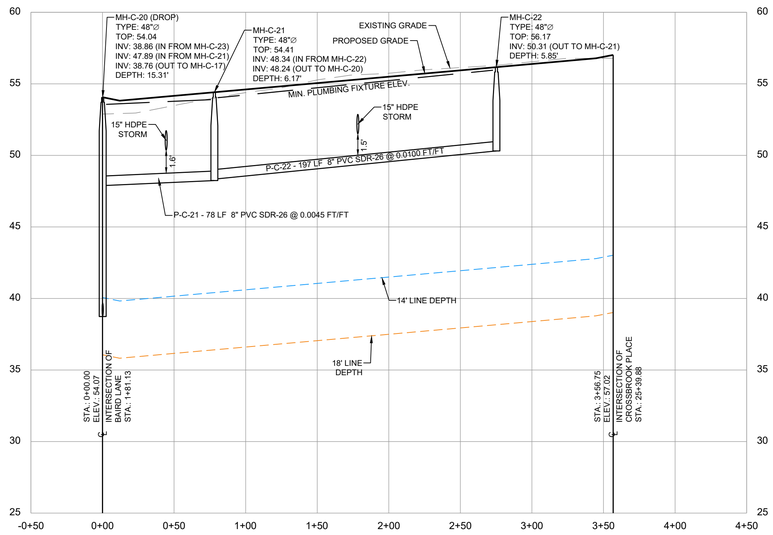
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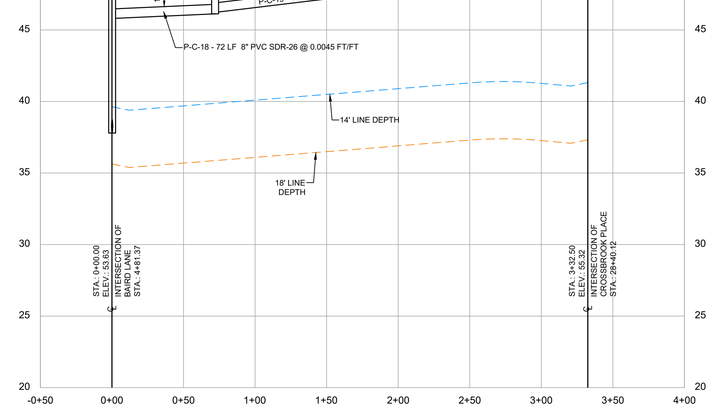


LOCATION MAP SCALE: 1"=1,000'



PROFILE: GASTON STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: NORWOOD STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
GASTON STREET & NORWOOD STREET
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
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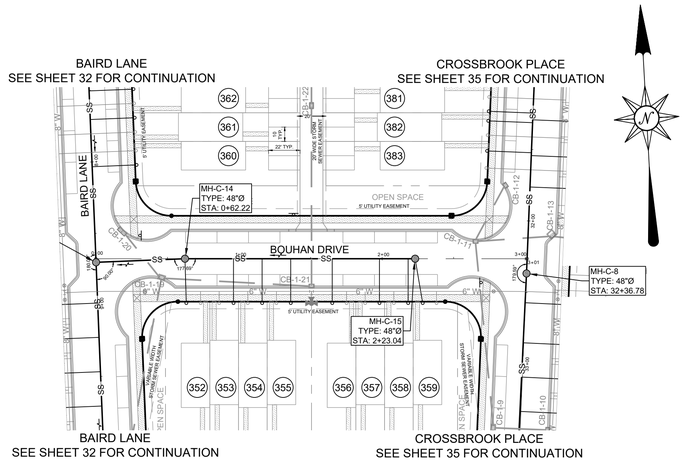
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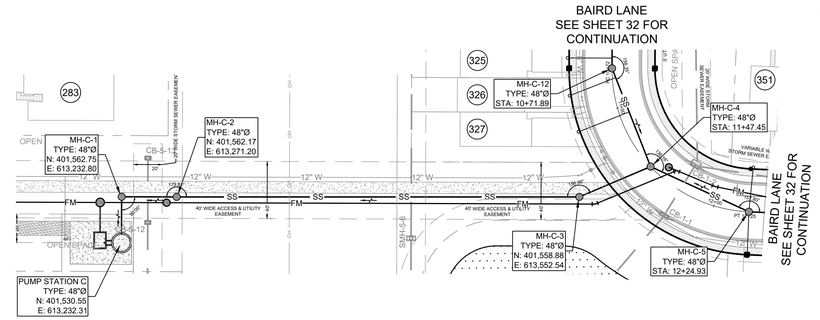
09-02-2026
PROFESSIONAL ENGINEER

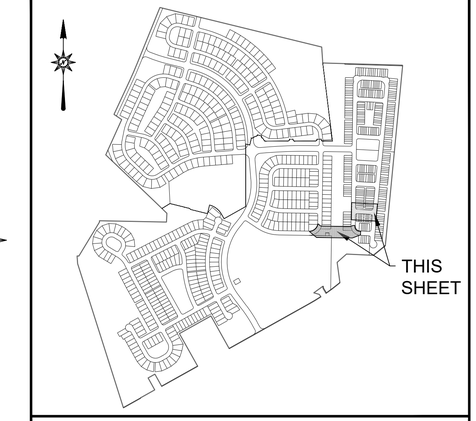
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B31-B44	37 OF 63

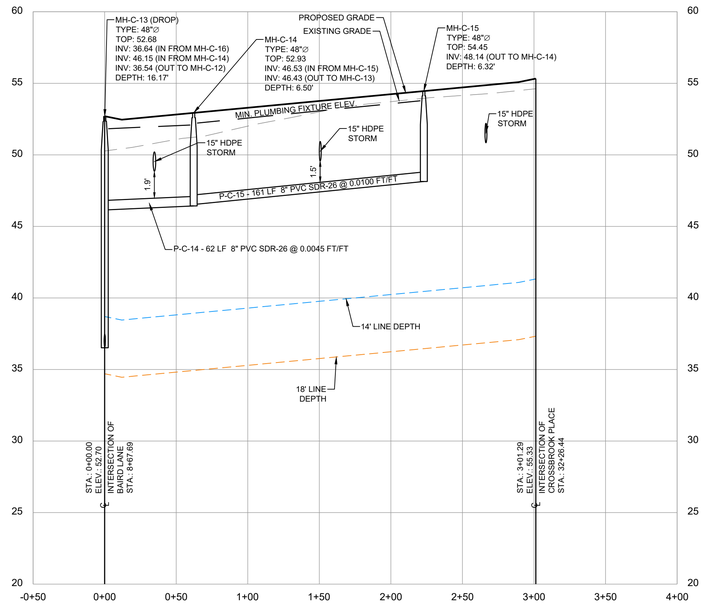
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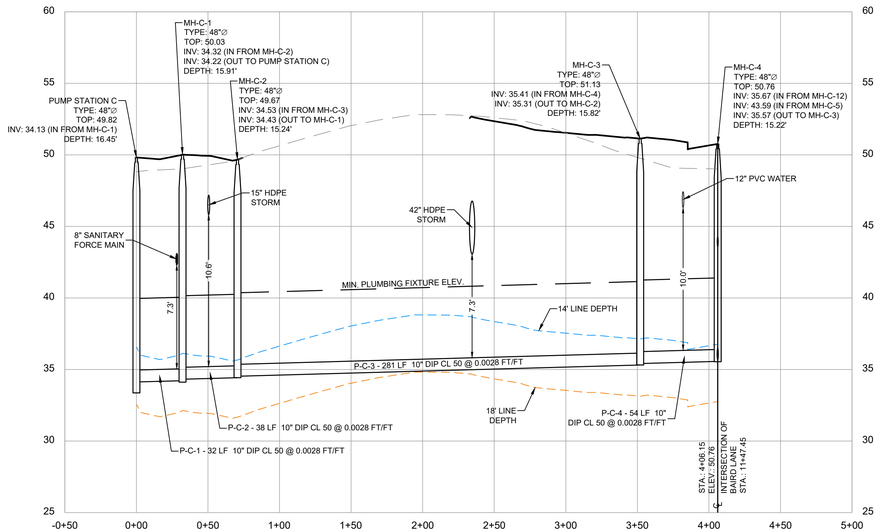


LOCATION MAP SCALE: 1"=1,000'



PROFILE: BOUHAN DRIVE

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: MH-C-4 TO PUMPING STATION C

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
BOUHAN DRIVE AND MH-C-4 TO PUMPING STATION C
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

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3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

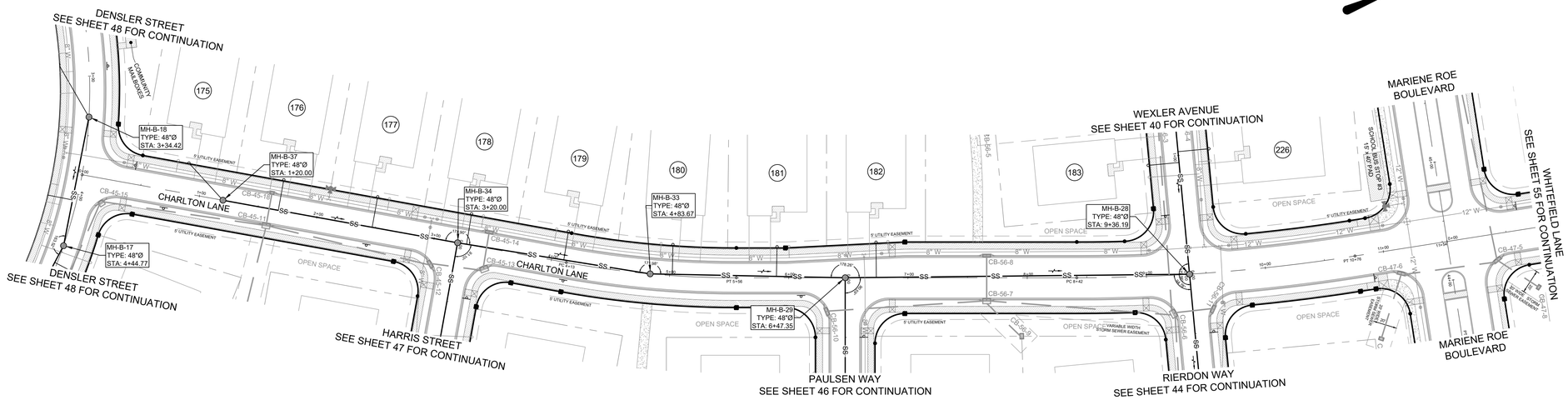
RACHEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

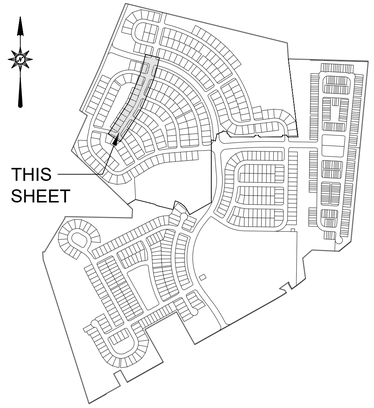
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B31-B44	38 OF 63

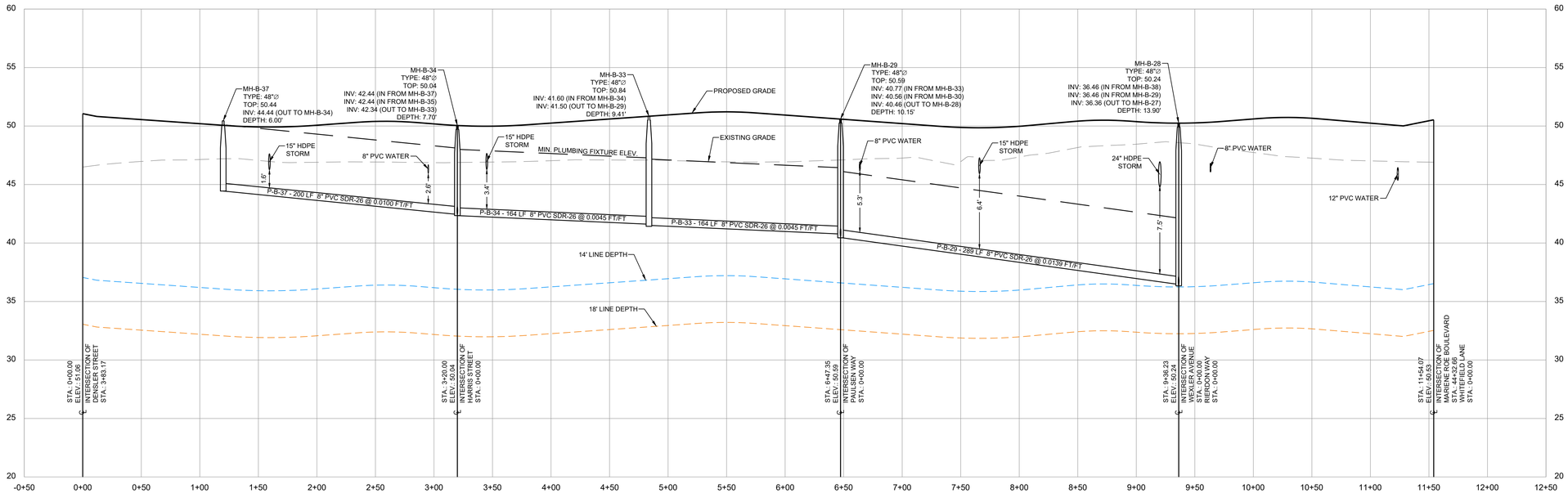
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B31-B44.dwg, B38 BOUHAN & MH-A-22 TO MH-A-14, 8/21/2026 8:23:13 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: CHARLTON LANE

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

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2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
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SANITARY SEWER PLAN & PROFILE
FOR
CHARLTON LANE
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
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SUITE 6
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(302) 514-0850

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302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

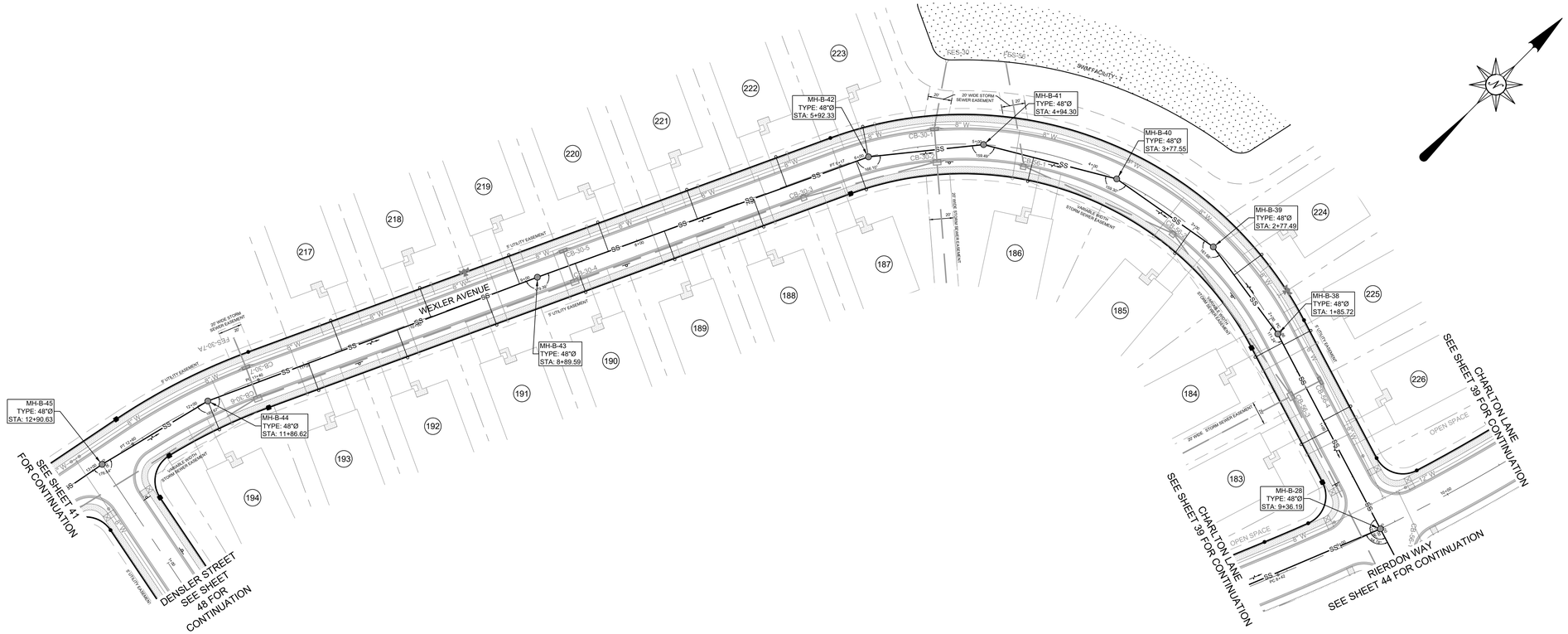
RACHELLE YVONNE SHELLENBERGER No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026 PROFESSIONAL ENGINEER

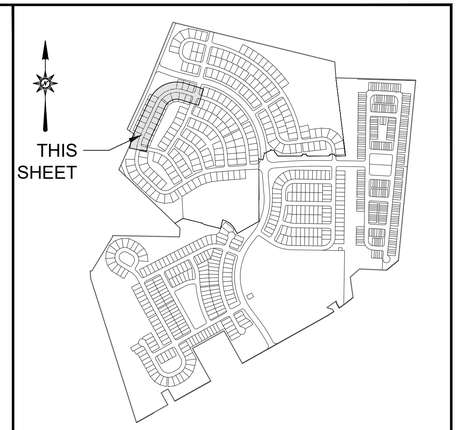
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B31-B44	39 OF 63

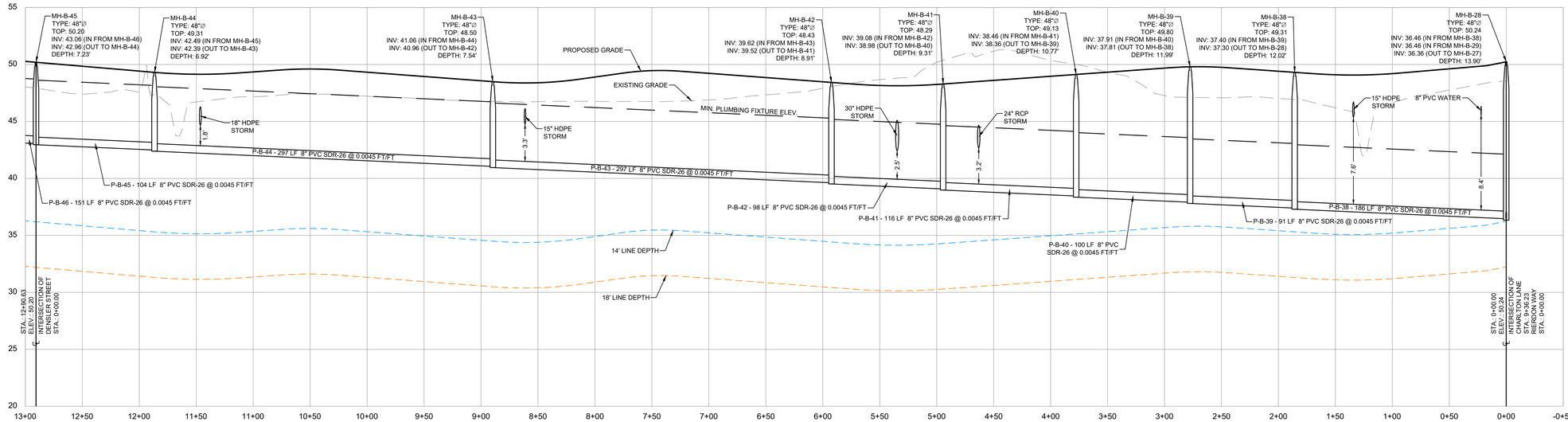
© ATWELL, LLC, 2024

S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B31-B44.dwg, B39 CHARLTON, 8/21/2026 8:23:57 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: WEXLER AVENUE STATIONS 0+00 TO 13+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
WEXLER AVENUE 0+00 TO 13+00
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

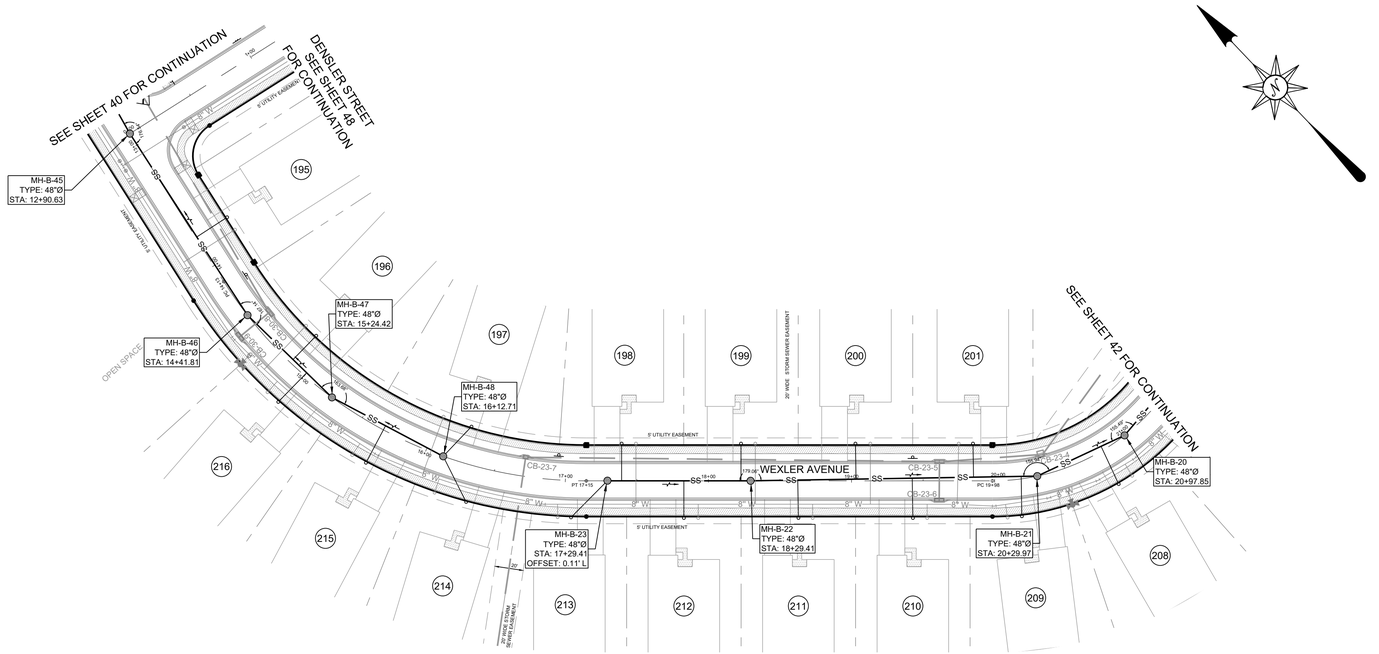
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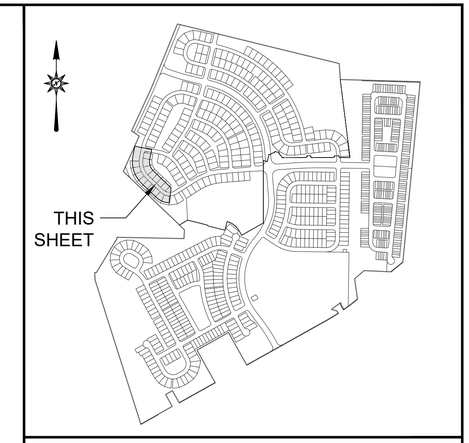
09-02-2026 PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

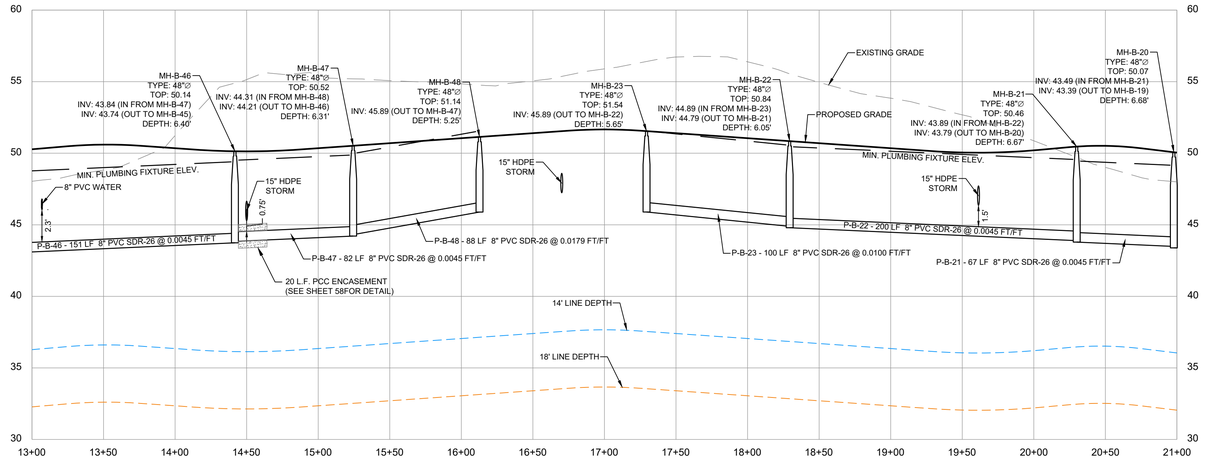
DRAWING NO.	SHEET NO.
3184 - B31-B44	40 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: WEXLER AVENUE STATIONS 13+00 TO 21+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
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(302) 514-0850

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** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

No. 15284 — DELAWARE — PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

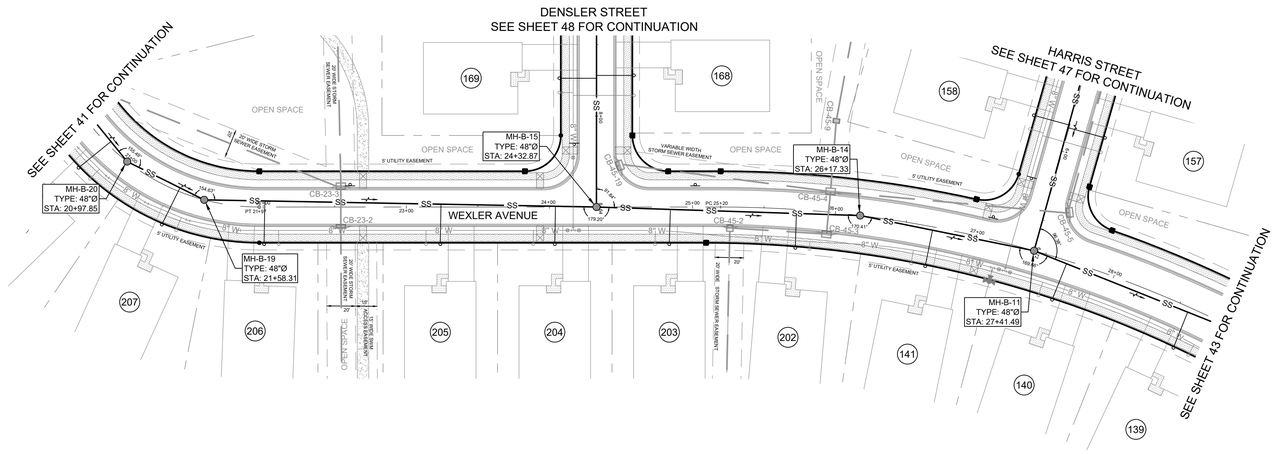
SANITARY SEWER PLAN & PROFILE
FOR
WEXLER AVENUE 13+00 TO 21+00
IN
SAVANNAH FARMS

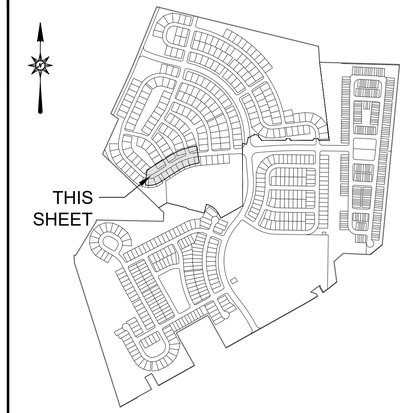
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B31-B44	41 OF 63

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LOCATION MAP SCALE: 1"=1,000'

PROFILE: WEXLER AVENUE STATIONS 21+00 TO 28+50

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

09-02-2026
PROFESSIONAL ENGINEER

SANITARY SEWER PLAN & PROFILE
FOR
WEXLER AVENUE 21+00 TO 28+50
IN
SAVANNAH FARMS

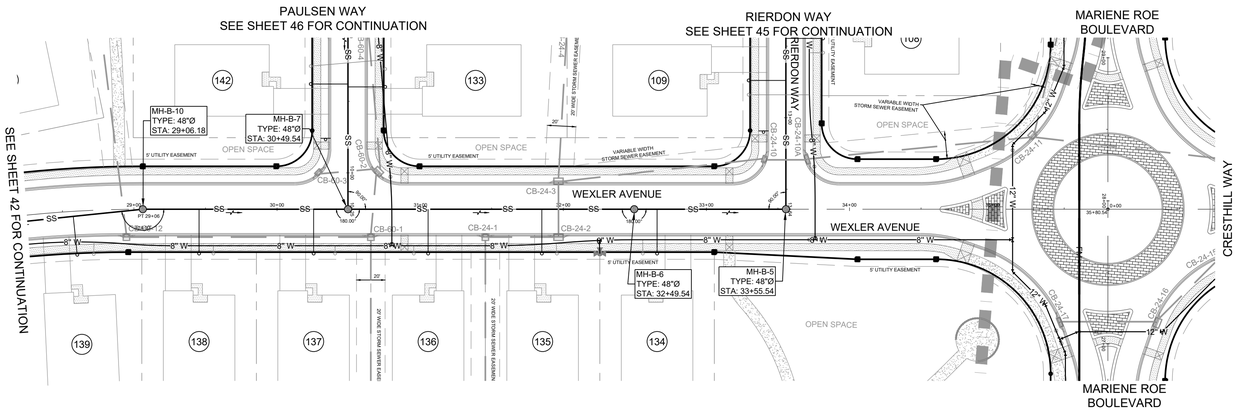
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

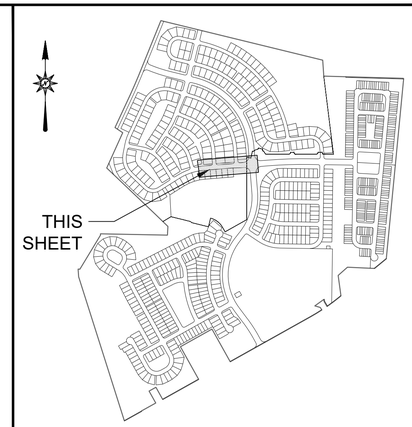
CAMDEN-WYOMING SEWER & WATER AUTHORITY

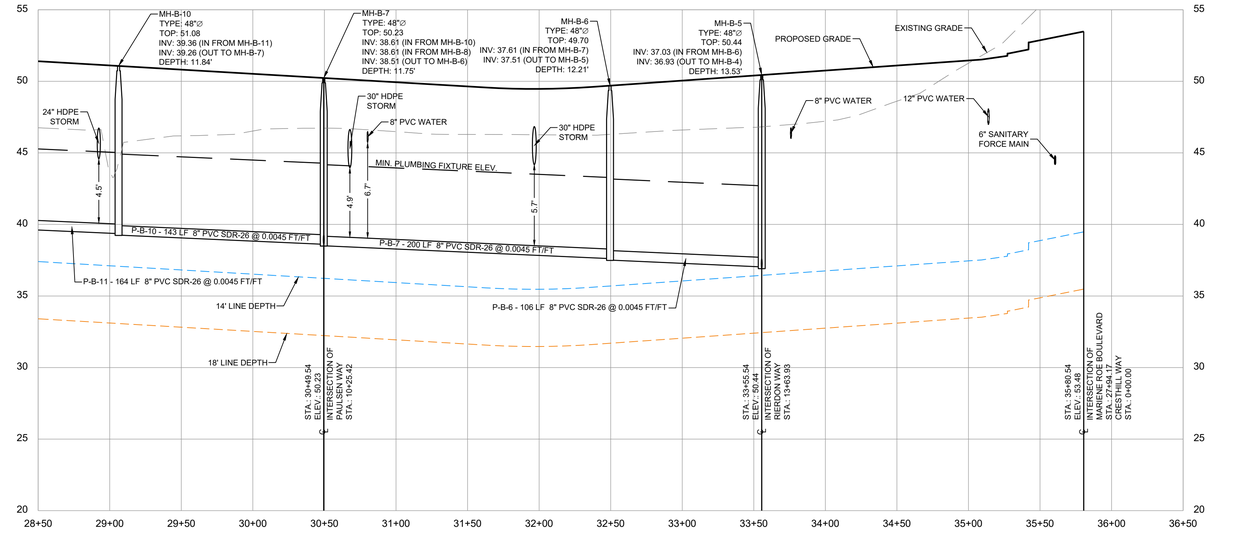
DRAWING NO.	SHEET NO.
3184 - B31-B44	42 OF 63

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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B31-B44.dwg, B42 WEXLER 21+00 TO 28+50, 8/21/2026 8:25:20 AM







PROFILE: WEXLER AVENUE STATIONS 28+50 TO 35+81

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
WEXLER AVENUE 28+50 TO 35+81
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
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NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

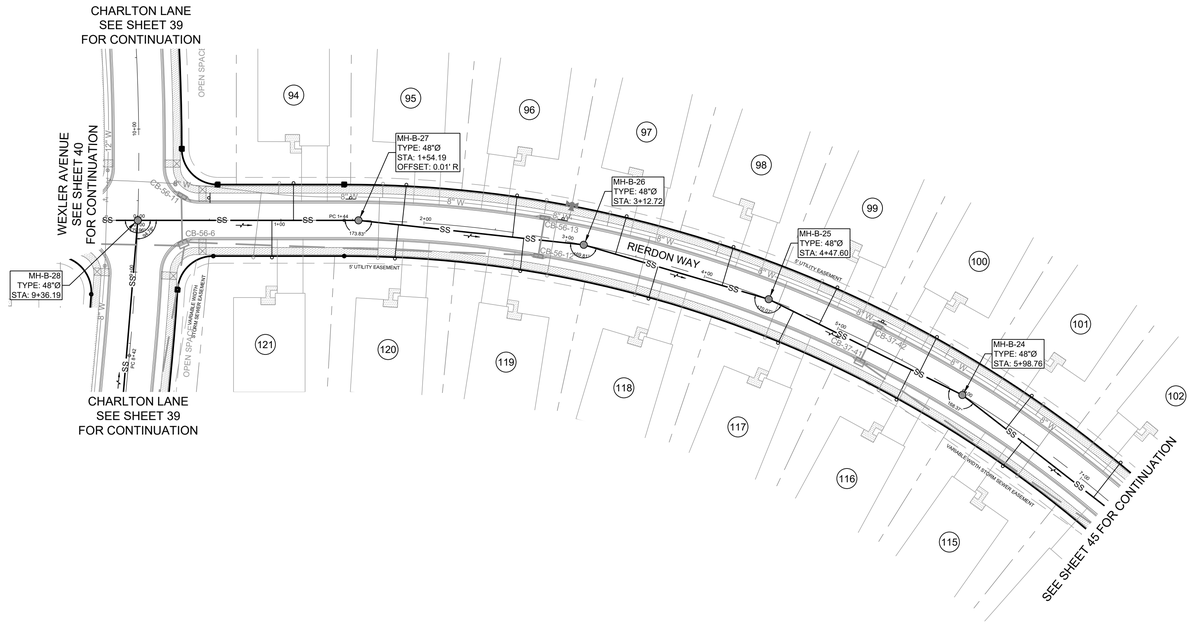
MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

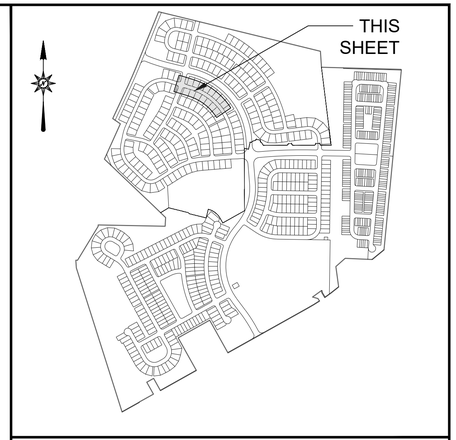
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B31-B44	43 OF 63

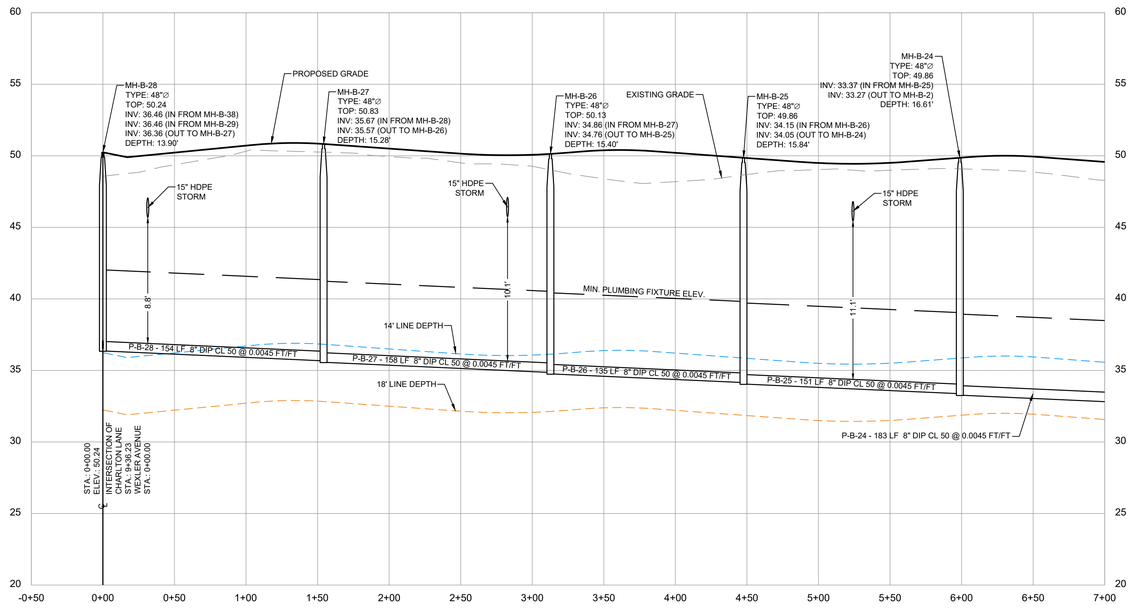
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B31-B44.dwg, B43 WEXLER 28+50 TO 35+81, 8/21/2026 8:25:45 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: RIERDON WAY STATIONS 0+00 TO 7+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
RIERDON WAY 0+00 TO 7+00
IN
SAVANNAH FARMS

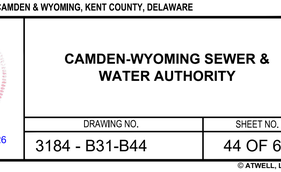
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
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NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'



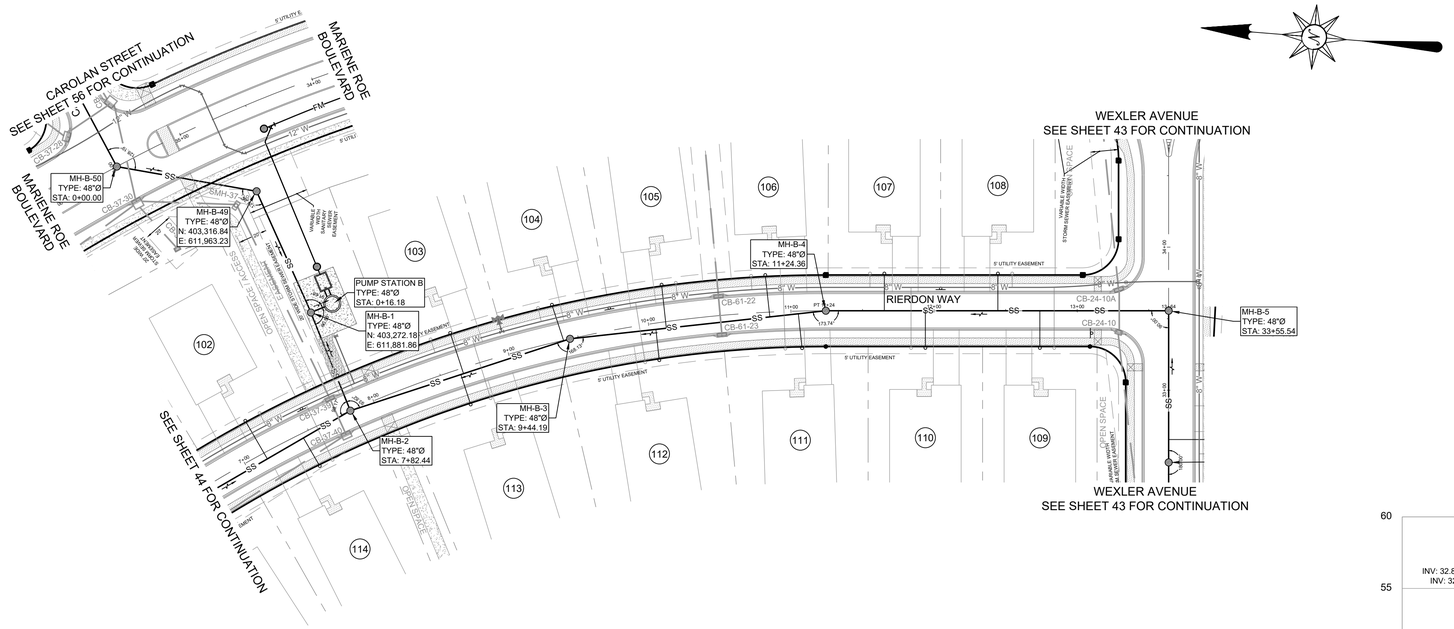
09-02-2026
PROFESSIONAL ENGINEER

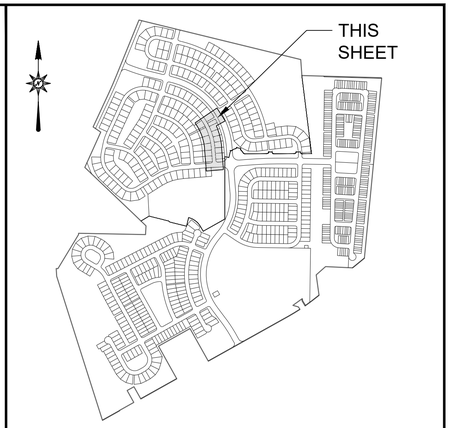
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B31-B44	44 OF 63

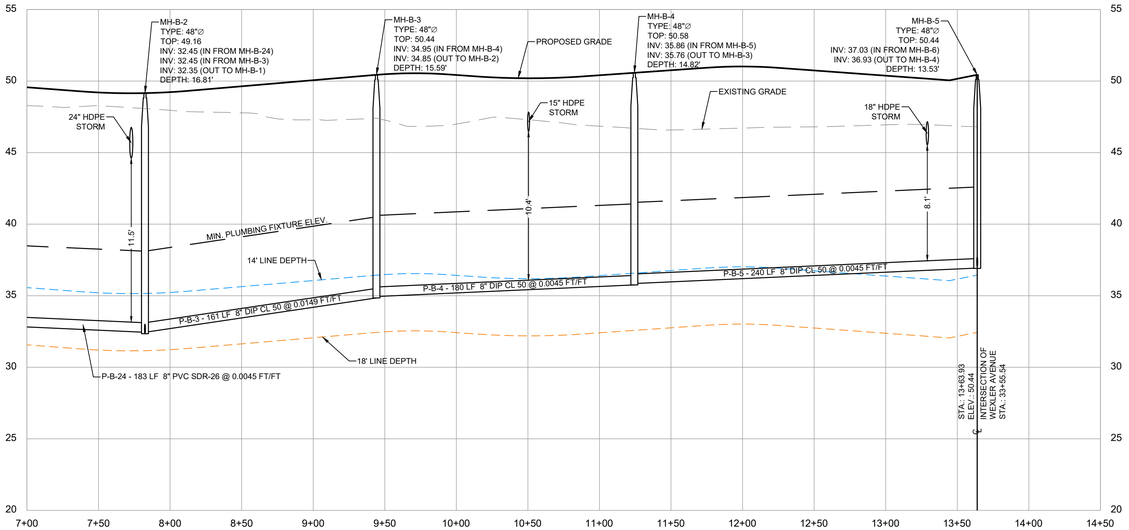
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B31-B44.dwg, B44 RIERDON 0+00 TO 7+00, 8/21/2026 8:26:09 AM



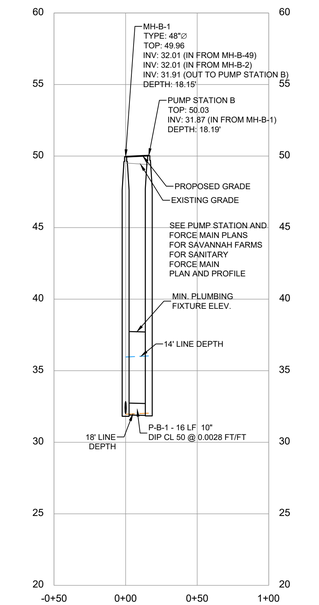


LOCATION MAP SCALE: 1"=1,000'



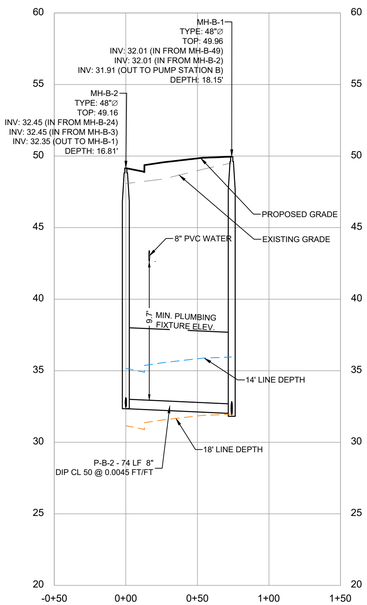
PROFILE: RIERDON WAY STATIONS 7+00 TO 15+64

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



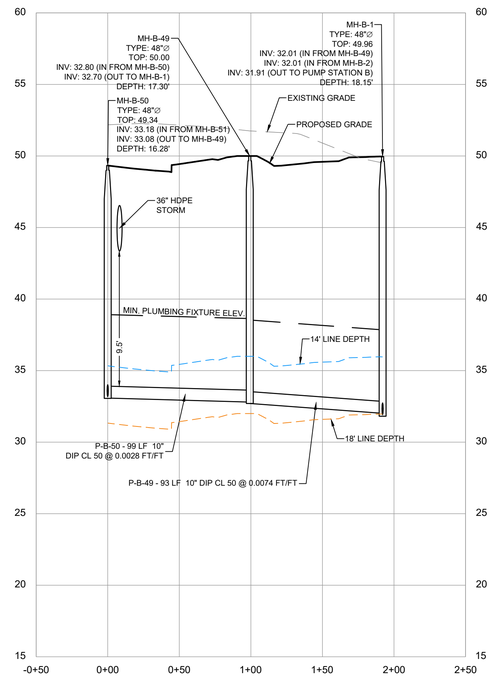
PROFILE: MH-B-1 TO PUMPING STATION B

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: MH-B-2 TO MH-B-1

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



PROFILE: MH-B-50 TO MH-B-1

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

SANITARY SEWER PLAN & PROFILE
FOR
RIERDON WAY AND MH-B-1 TO PUMPING STATION B AND MH-B-2 & MH-B-50 TO MH-B-1
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

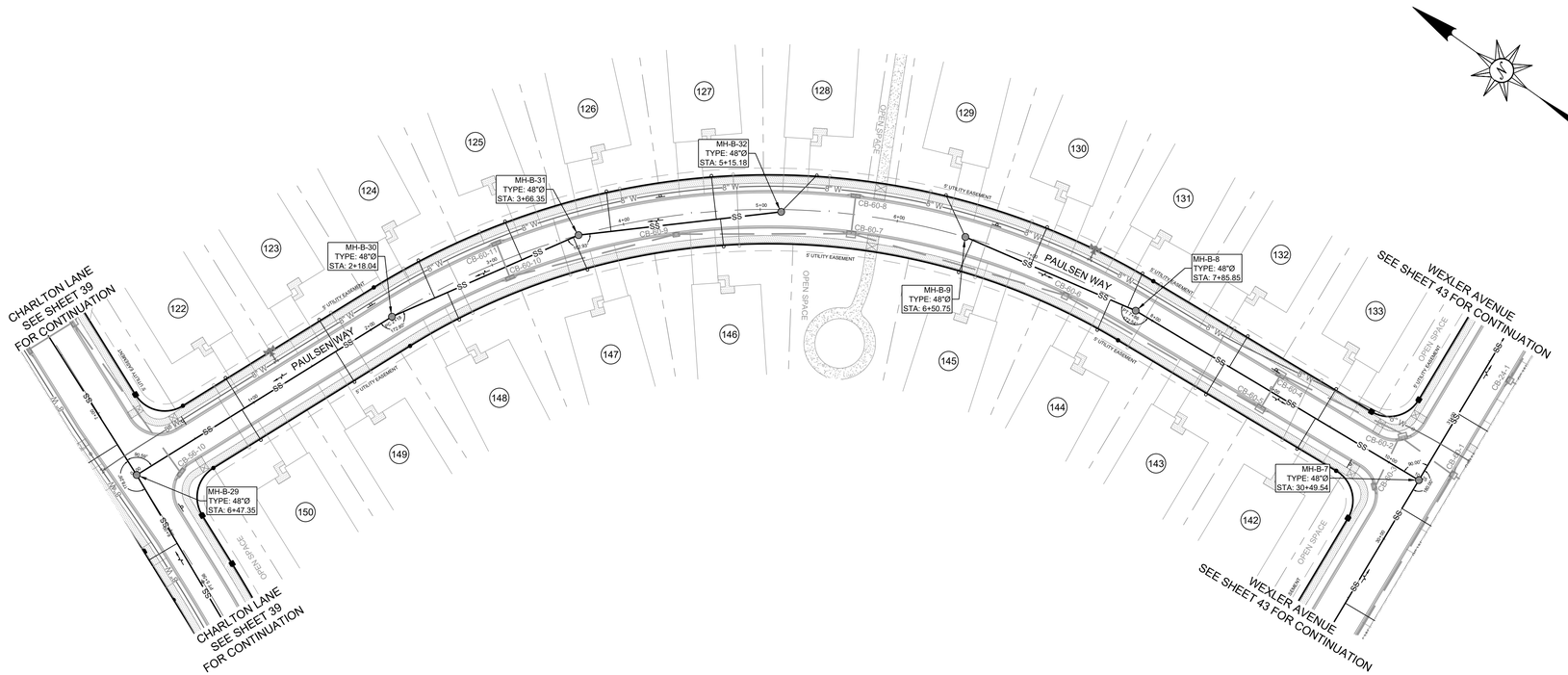
No. 15284 — DELAWARE — PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

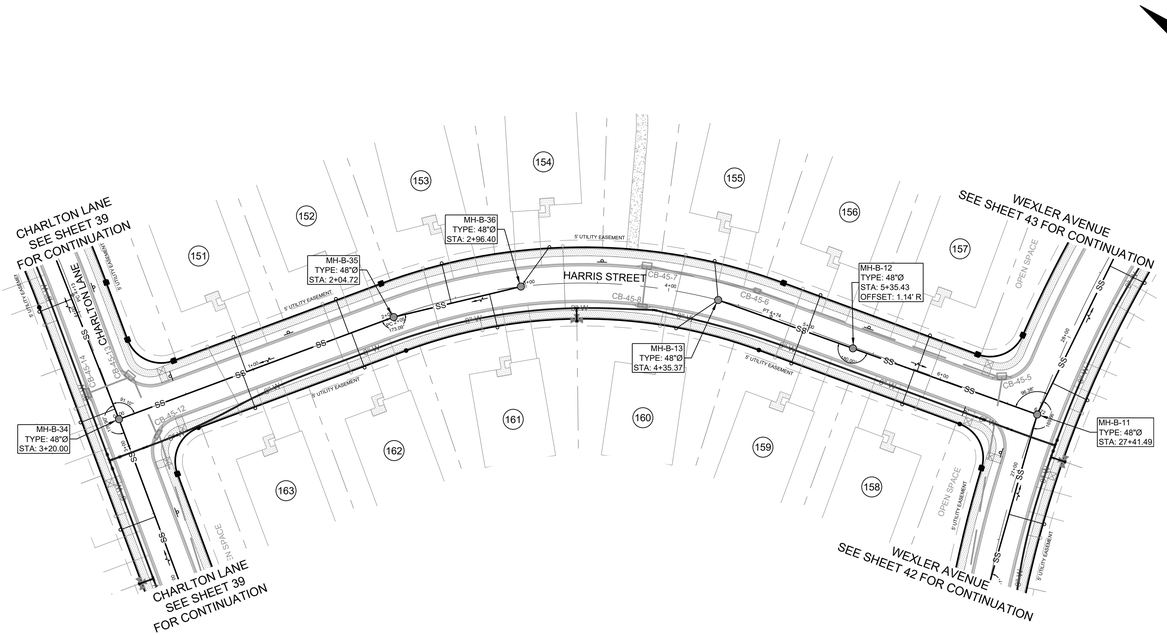
CAMDEN-WYOMING SEWER & WATER AUTHORITY

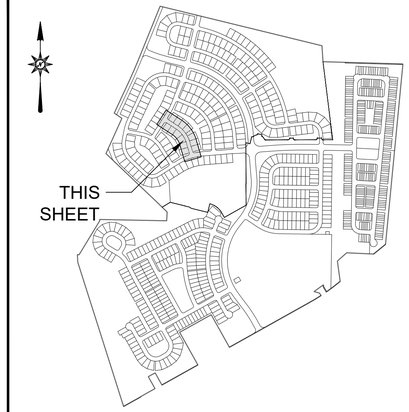
DRAWING NO.	SHEET NO.
3184 - B45-B56	45 OF 63

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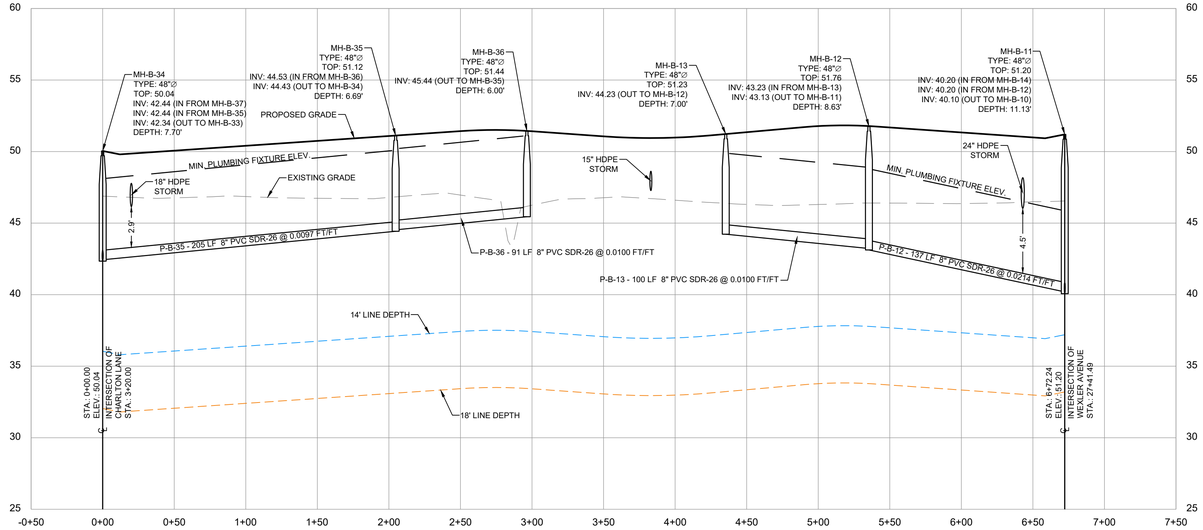
S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B45-B56.dwg, B45 RIERDON 7+00 TO 13+64 & MH-B-2 TO MH-B 50 & MH-B-1 TO PS B, 8/21/2026 8:26:27 AM


CHARLTON LANE
SEE SHEET 39
FOR CONTINUATION
PAULSEN WAY
WEXLER AVENUE
SEE SHEET 43 FOR CONTINUATION
MH-B-29
TYPE: 48"Ø
STA: 6+47.35
MH-B-30
TYPE: 48"Ø
STA: 2+18.04
MH-B-31
TYPE: 48"Ø
STA: 3+66.35
MH-B-32
TYPE: 48"Ø
STA: 5+15.18
MH-B-9
TYPE: 48"Ø
STA: 6+50.75
MH-B-8
TYPE: 48"Ø
STA: 7+85.85
MH-B-7
TYPE: 48"Ø
STA: 30+49.54
OPEN SPACE
5' UTILITY EASEMENT
8" W
SS
CB-60-10
CB-60-9
CB-60-8
CB-60-7
CB-60-6
CB-60-5
CB-60-4
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CB-241-37
CB-241-38
CB-241-39
CB-241-40





LOCATION MAP SCALE: 1"=1,000'



PROFILE: HARRIS STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
HARRIS STREET
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

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NO.	DATE	DESCRIPTION
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NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

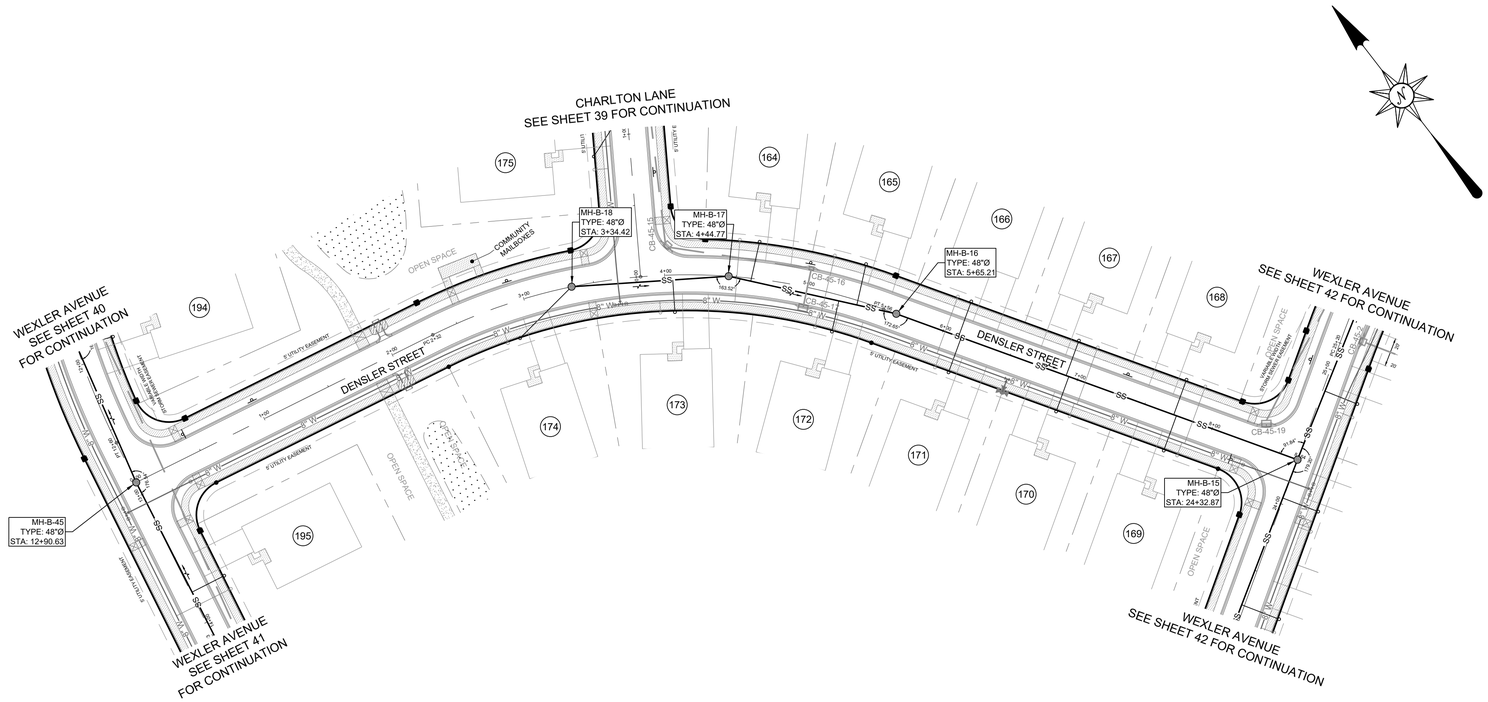
WILLIAM J. KARINS, JR. No. 15284 PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

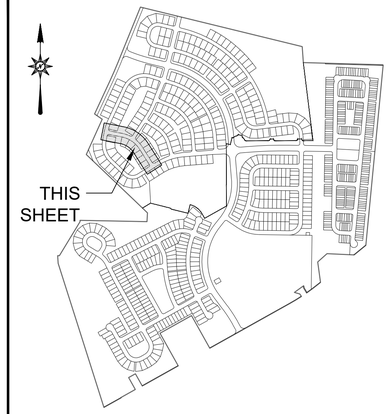
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B45-B56	47 OF 63

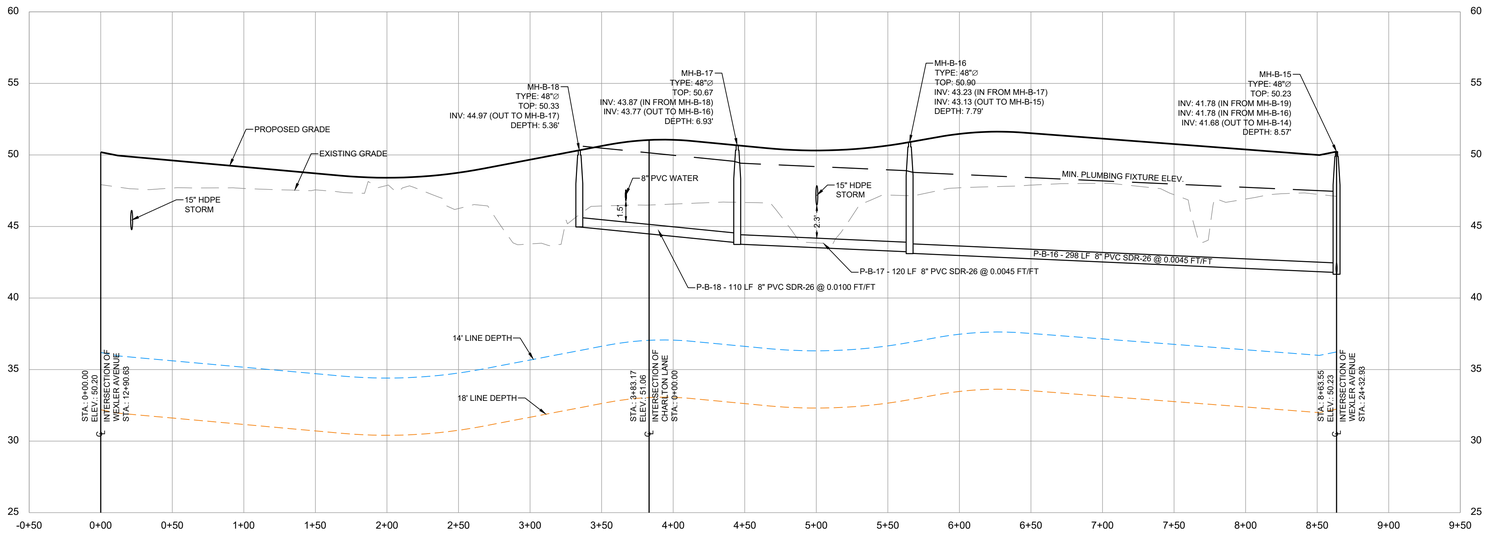
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B45-B56.dwg, B47 HARRIS, 8/21/2026 8:27:32 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: DENSLER STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
DENSLER STREET
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
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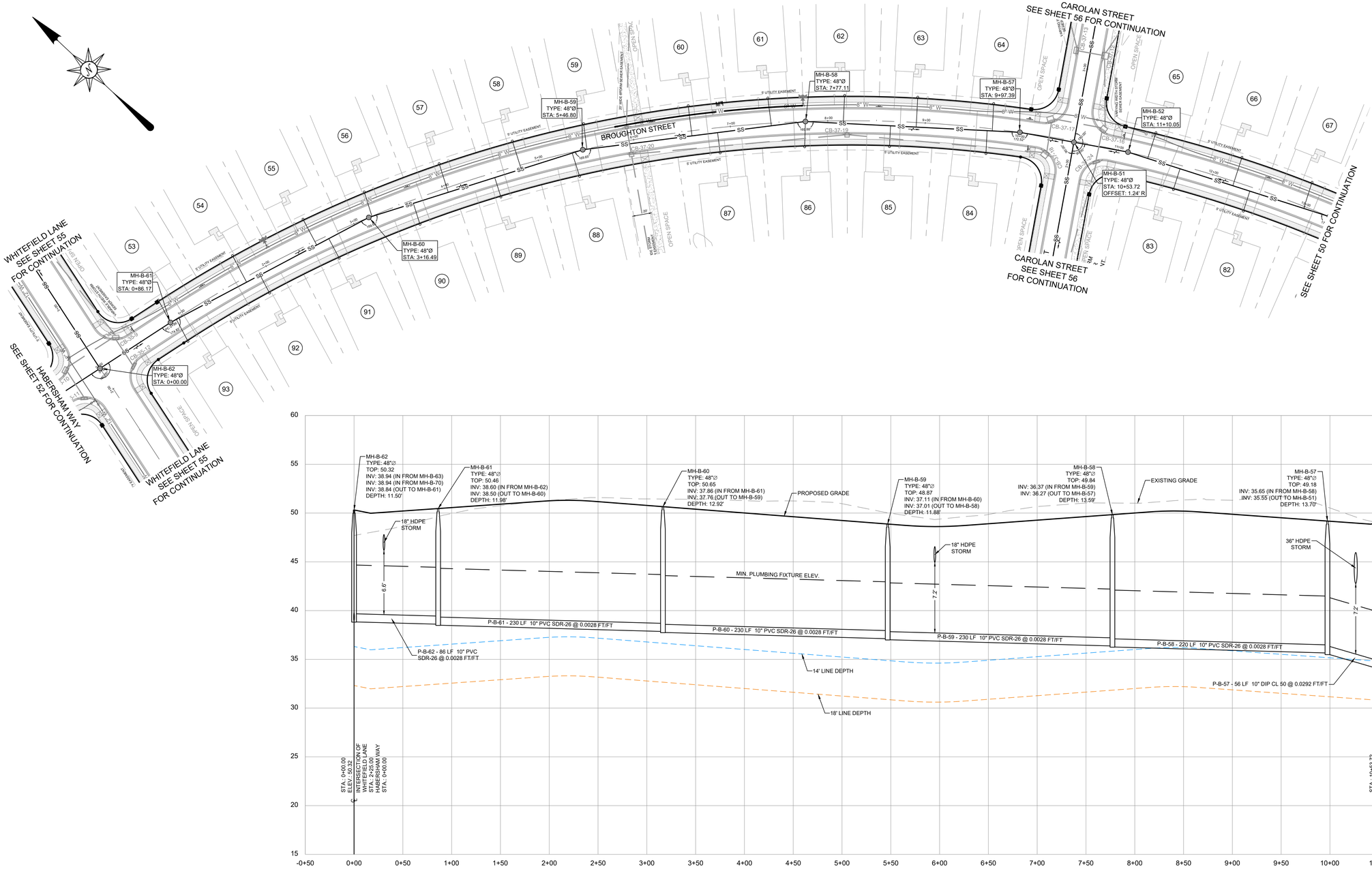
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CHECKED BY MJK SCALE 1"=50'

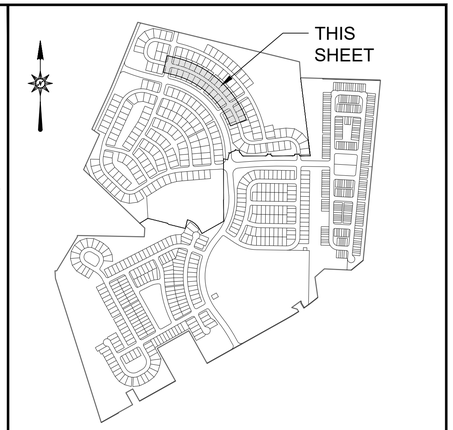
WILLIAM J. KARINS, JR. No. 15284 PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

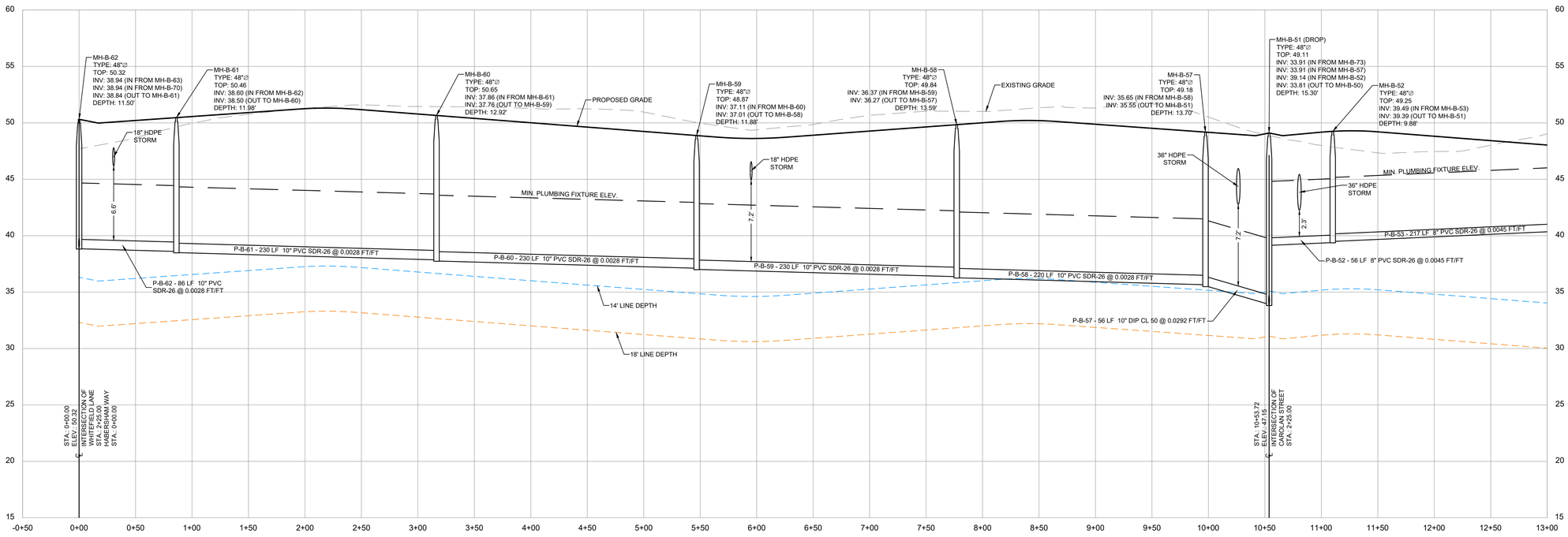
DRAWING NO.	SHEET NO.
3184 - B45-B56	48 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: BROUGHTON STREET STATIONS 0+00 TO 13+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
BROUGHTON STREET 0+00 TO 13+00
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
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SMYRNA, DE 19977
(302) 514-0850

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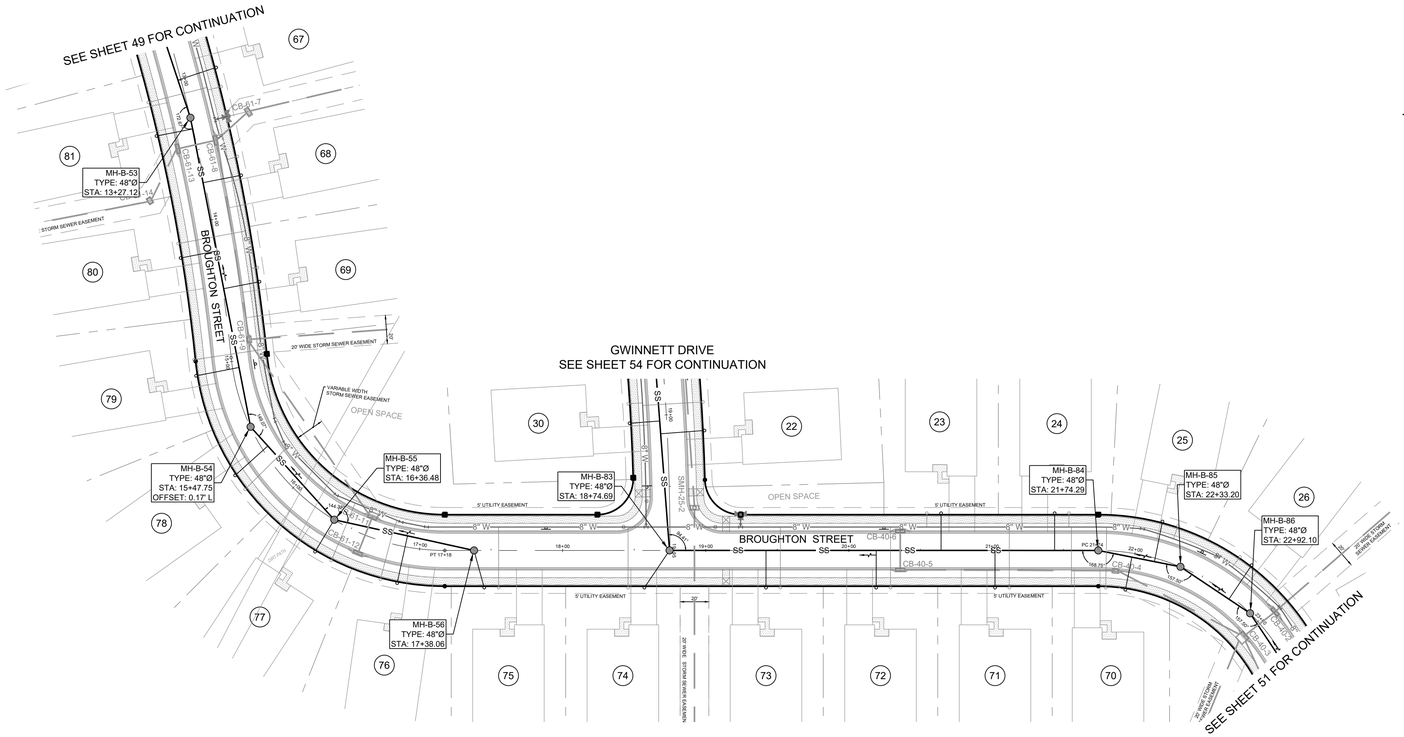
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CHECKED BY MJK SCALE 1"=50'

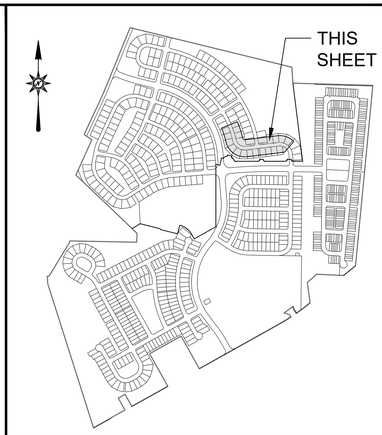
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

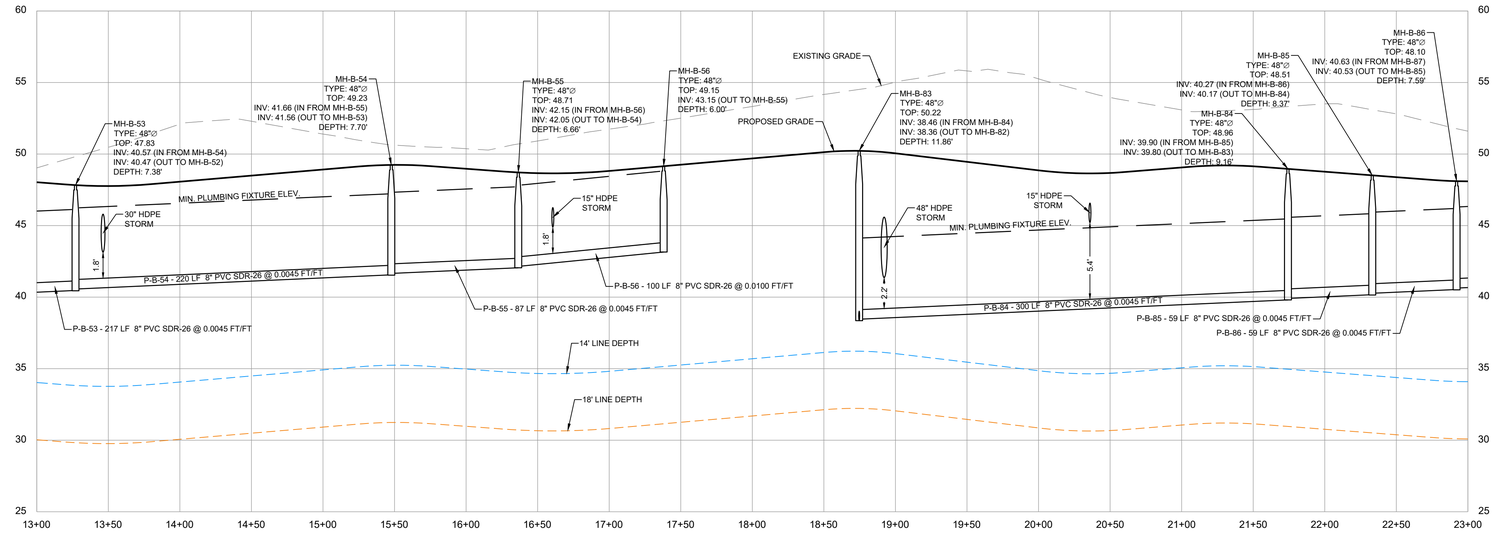
DRAWING NO.	SHEET NO.
3184 - B45-B56	49 OF 63

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: BROUGHTON STREET STATIONS 13+00 TO 23+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

No. 15284 — STATE OF DELAWARE — PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

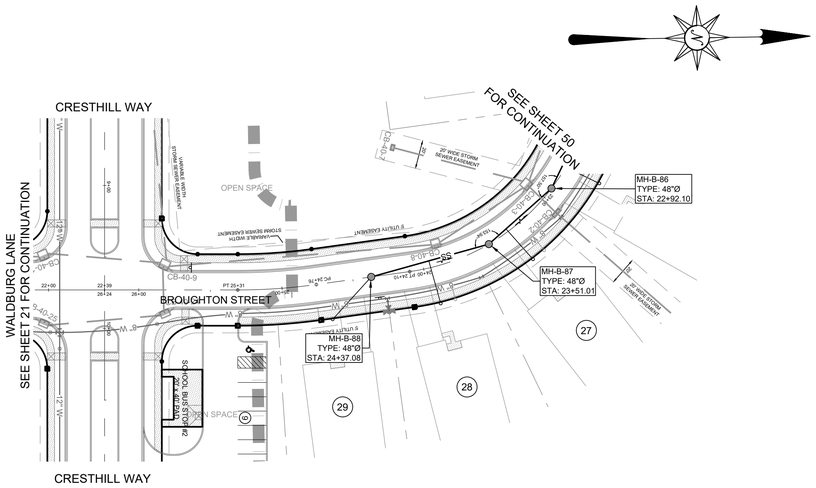
CAMDEN-WYOMING SEWER & WATER AUTHORITY

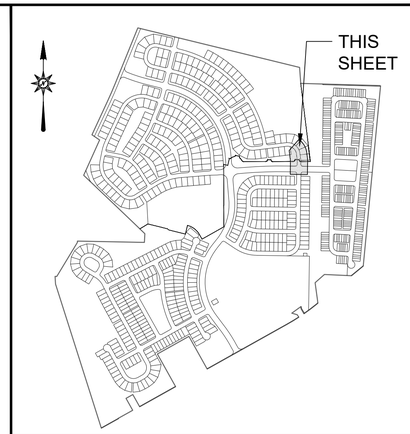
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3184 - B45-B56	50 OF 63

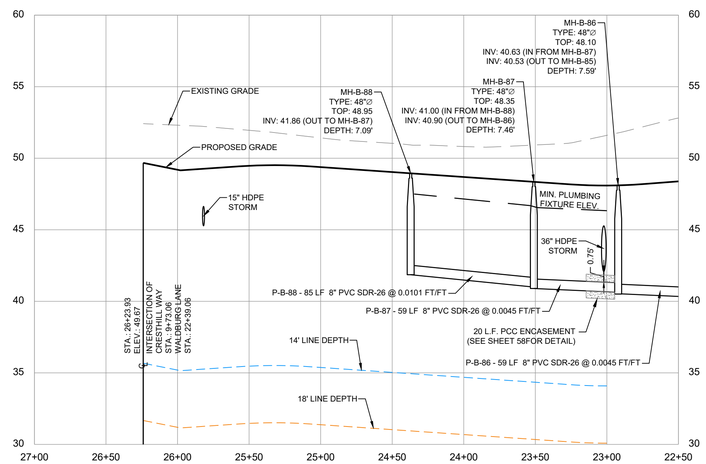
SANITARY SEWER PLAN & PROFILE
FOR
BROUGHTON STREET 13+00 TO 23+00
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

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PROFILE: BROUGHTON STREET STATIONS 23+00 TO 26+24

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
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REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

09-02-2026
PROFESSIONAL ENGINEER

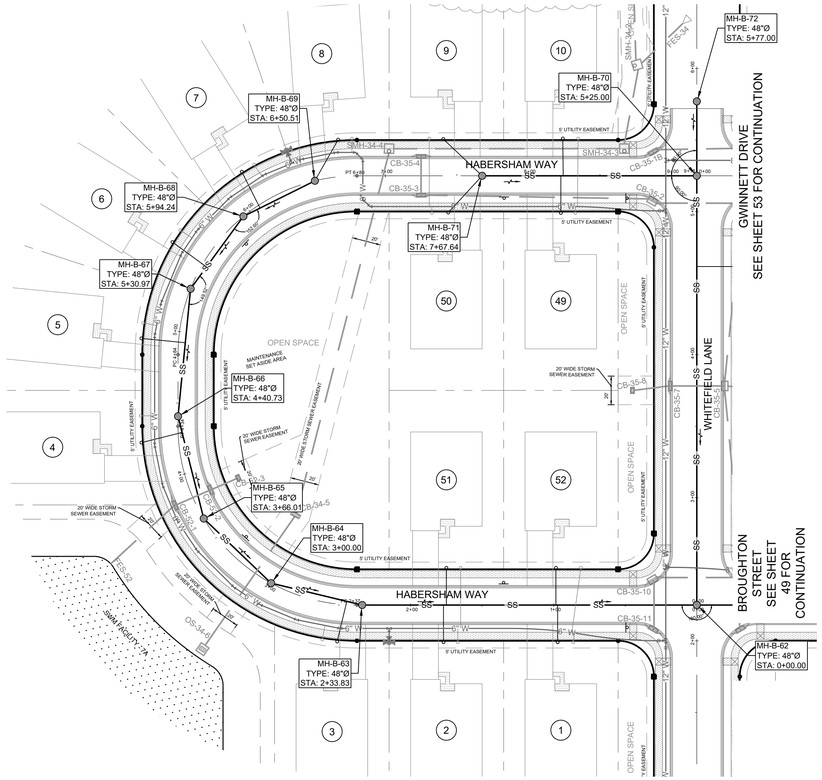
SANITARY SEWER PLAN & PROFILE
FOR
BROUGHTON STREET 23+00 TO 26+24
IN
SAVANNAH FARMS

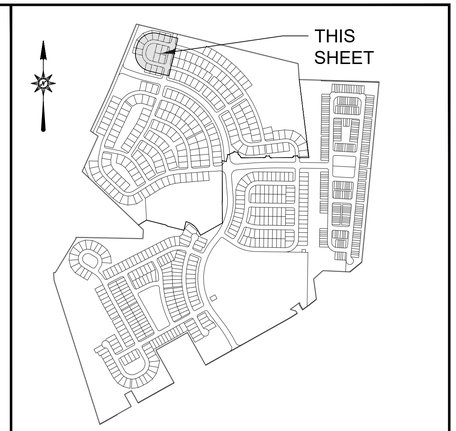
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

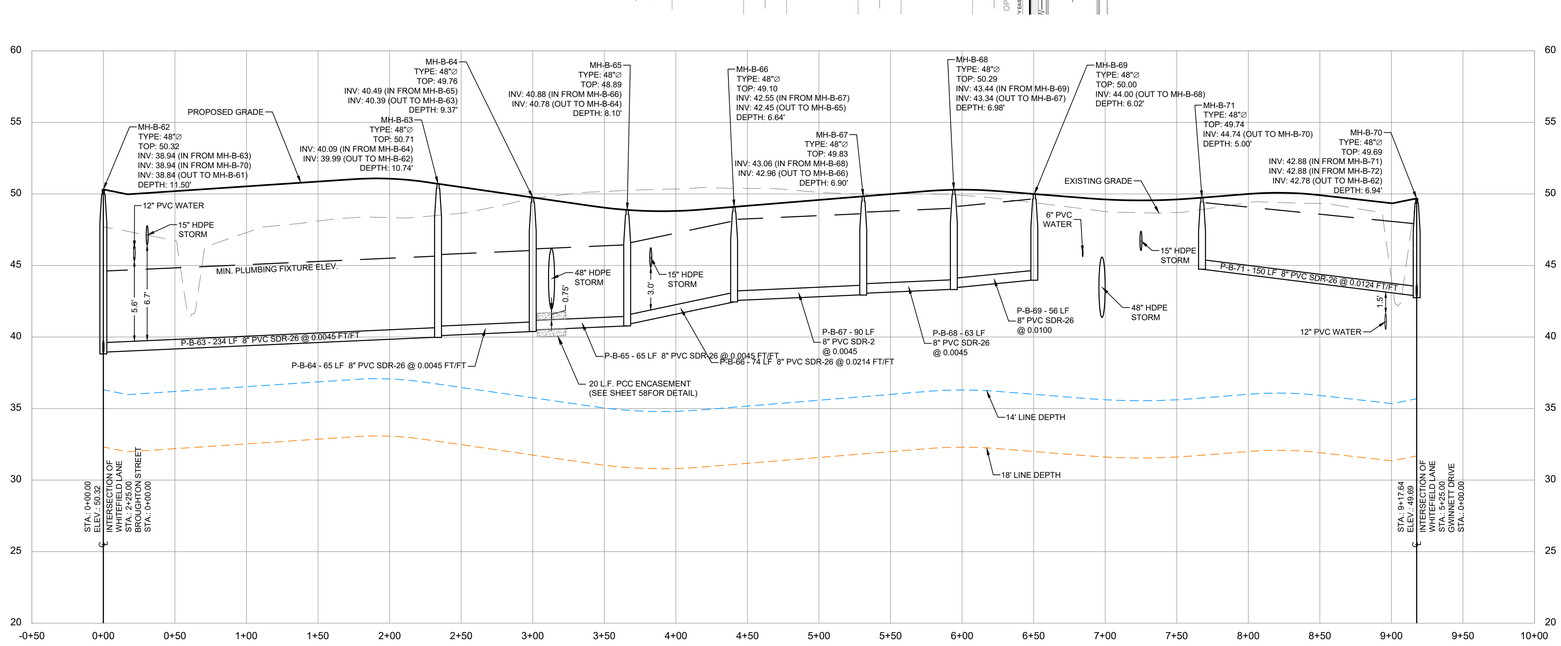
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B45-B56	51 OF 63

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PROFILE: HABERSHAM WAY

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
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671 S. CARTER ROAD
SUITE 6
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(302) 514-0850

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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

09-02-2026
PROFESSIONAL ENGINEER

SANITARY SEWER PLAN & PROFILE
FOR
HABERSHAM WAY
IN
SAVANNAH FARMS

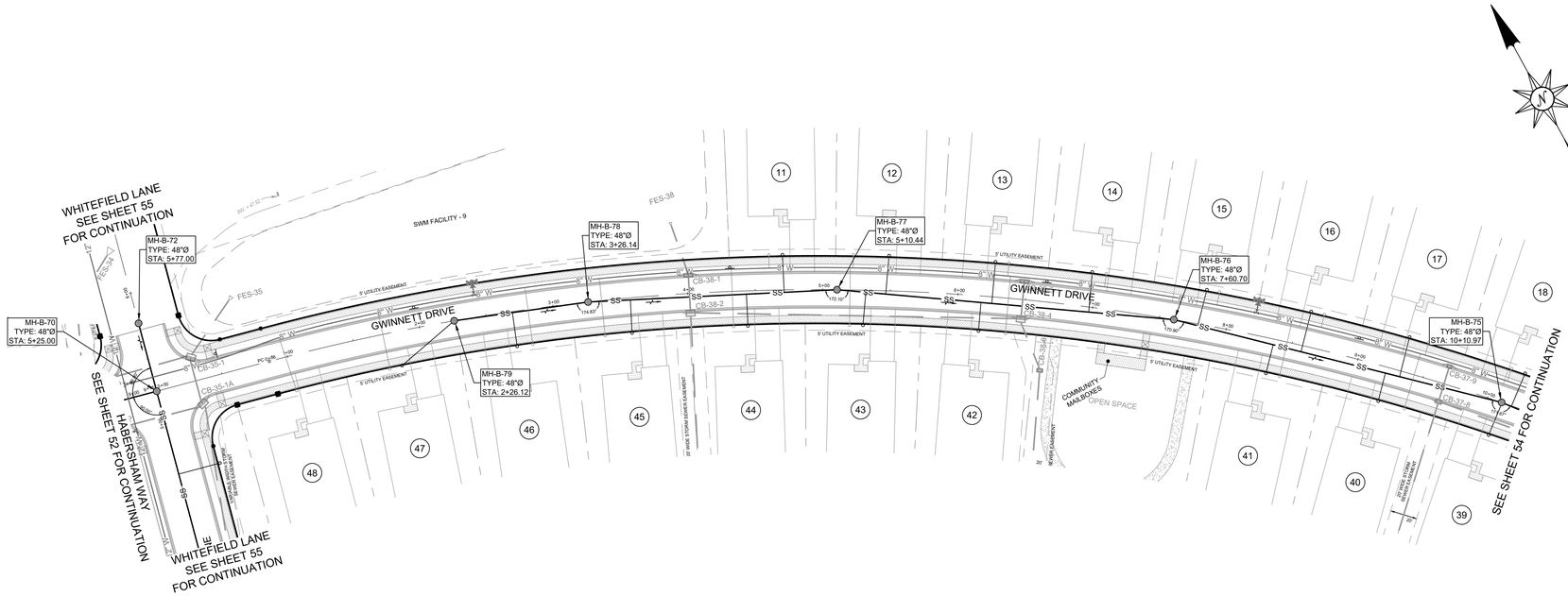
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

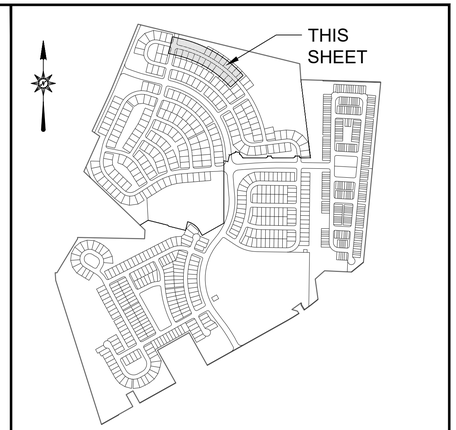
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B45-B56	52 OF 63

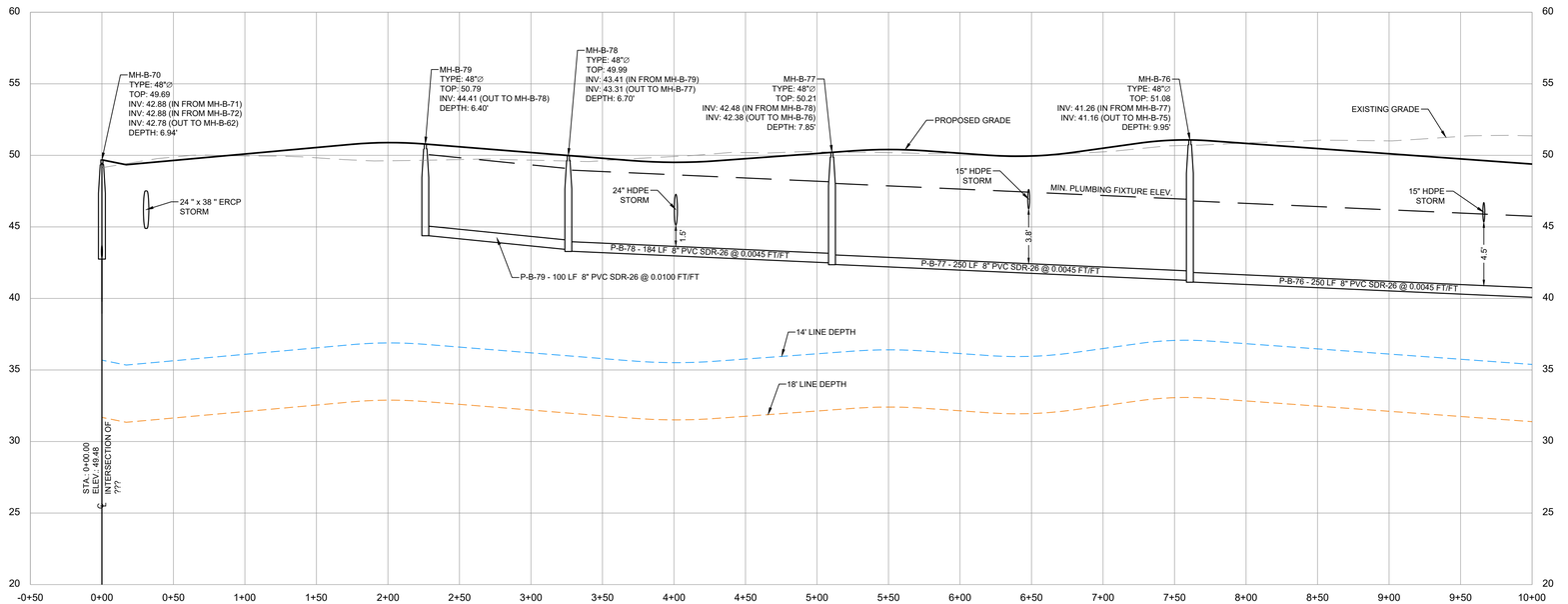
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S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B45-B56.dwg, B52 HABERSHAM, 8/21/2026 8:29:29 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: GWINNETT DRIVE STATIONS 0+00 TO 10+00

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

SANITARY SEWER PLAN & PROFILE
FOR
GWINNETT DRIVE 0+00 TO 10+00
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
3. LATERAL NUMBERS CORRESPOND TO THE LOT IT SERVES.

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

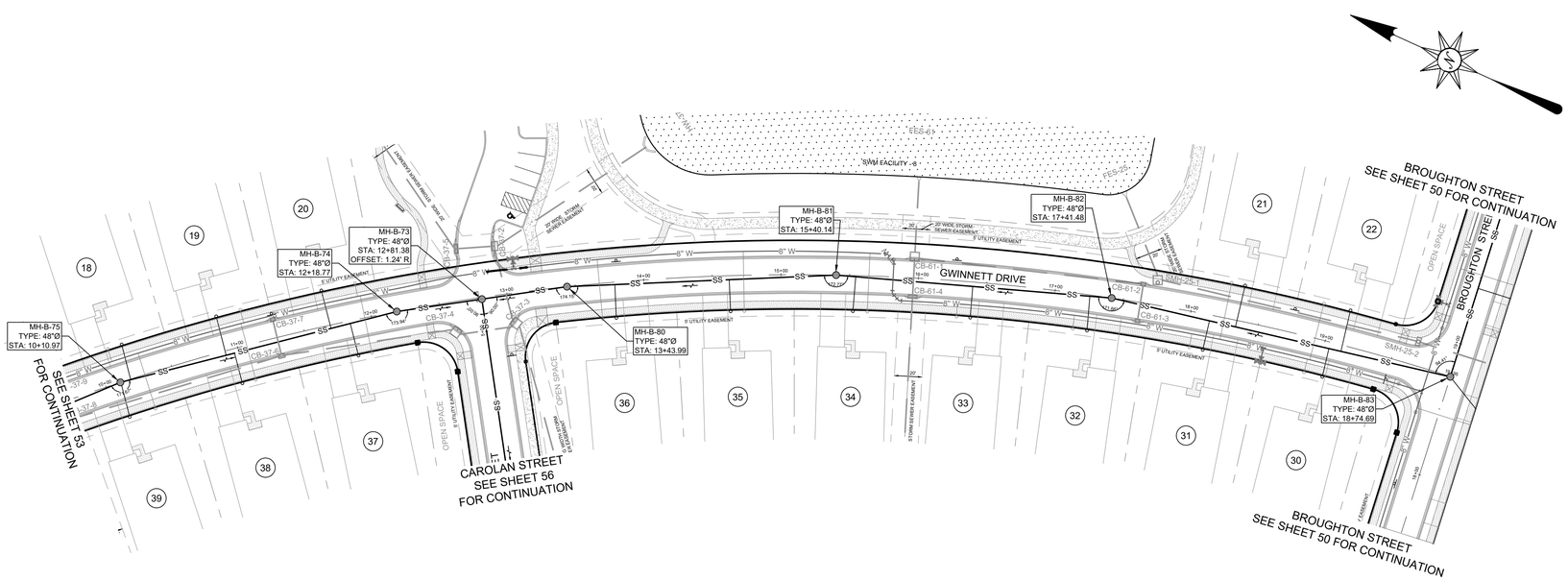
RACHEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

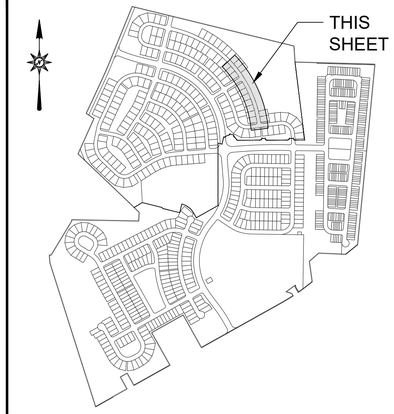
CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B45-B56	53 OF 63

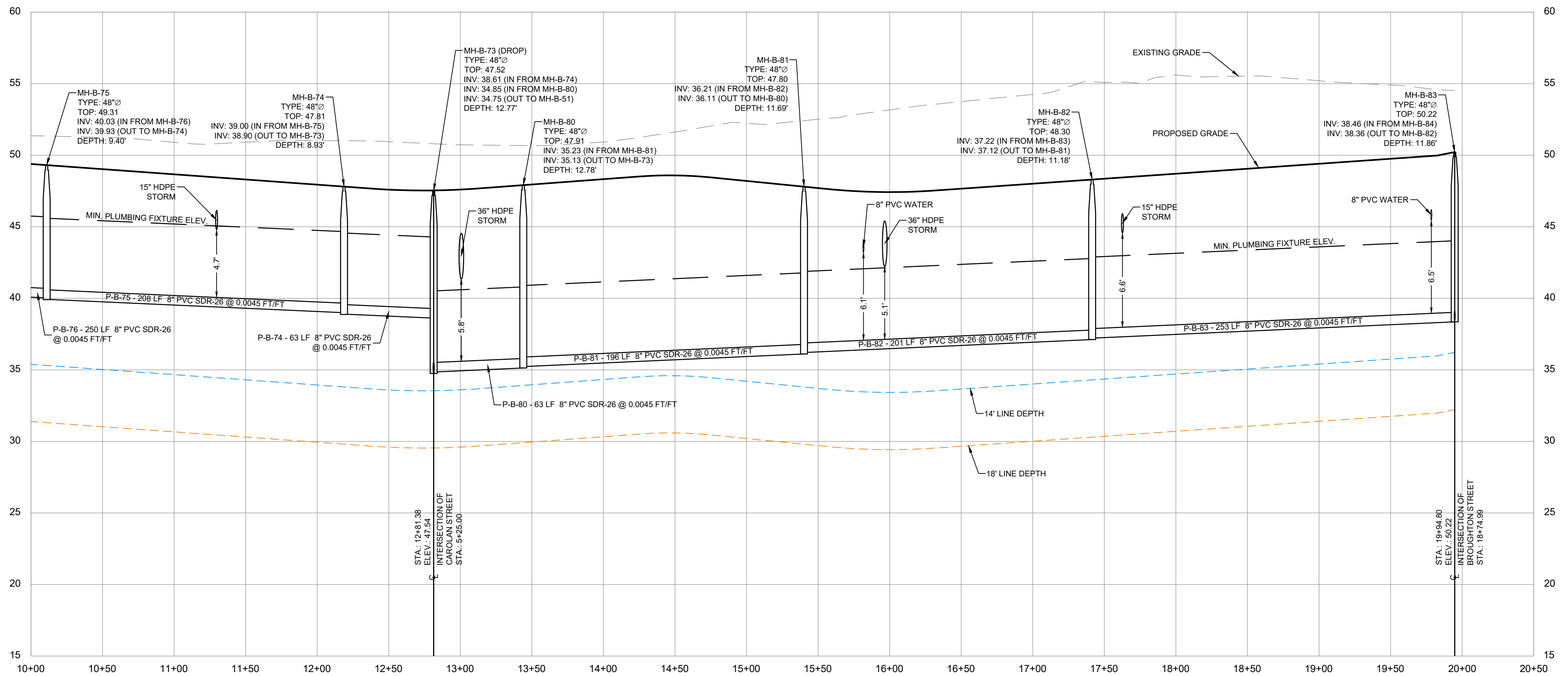
© ATWELL, LLC, 2024

S:\3184\Engineering\ACAD\B - Sanitary Sewer Plan\B45-B56.dwg, B53 GWINNETT 0+00 TO 10+00, 8/21/2026 8:29:52 AM





LOCATION MAP SCALE: 1"=1,000'



PROFILE: GWINNETT DRIVE STATIONS 10+00 TO 19+95

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
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REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
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671 S. CARTER ROAD
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CHECKED BY MJK SCALE 1"=50'

RACHELLE YVONNE SHUE No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

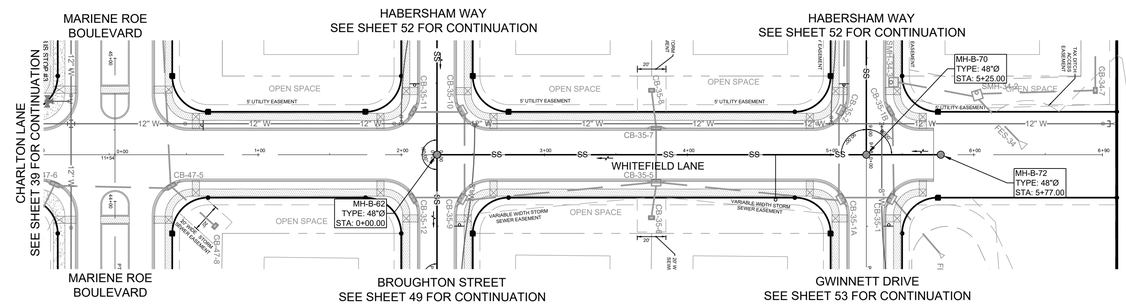
CAMDEN-WYOMING SEWER & WATER AUTHORITY

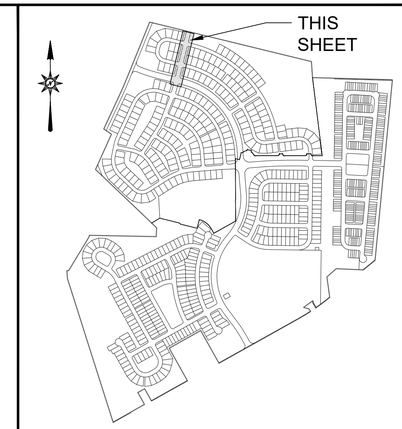
DRAWING NO.	SHEET NO.
3184 - B45-B56	54 OF 63

SANITARY SEWER PLAN & PROFILE
FOR
GWINNETT DRIVE 10+00 TO 19+95
IN
SAVANNAH FARMS

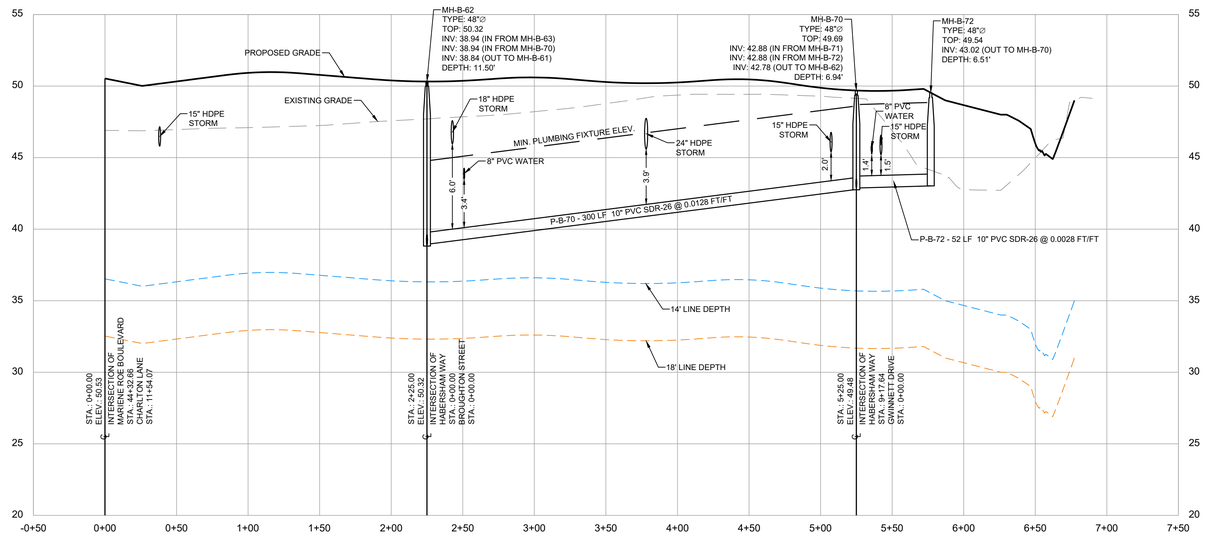
SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

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LOCATION MAP SCALE: 1"=1,000'



PROFILE: WHITEFIELD LANE

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'

NOTES:

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2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
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SANITARY SEWER PLAN & PROFILE
FOR
WHITEFIELD LANE
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
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(302) 514-0850

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302.369.2900
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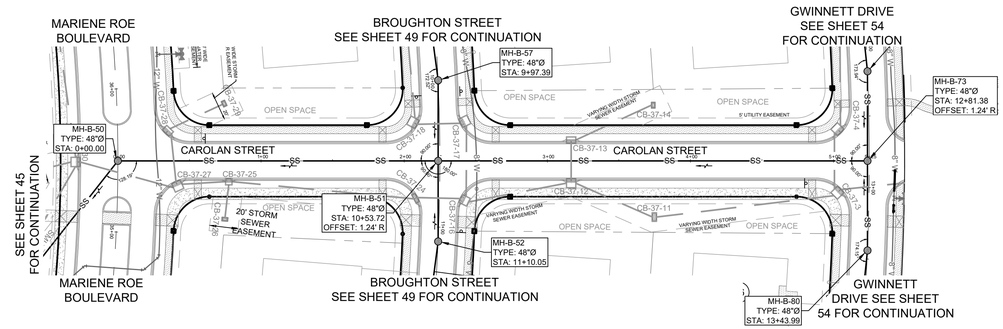
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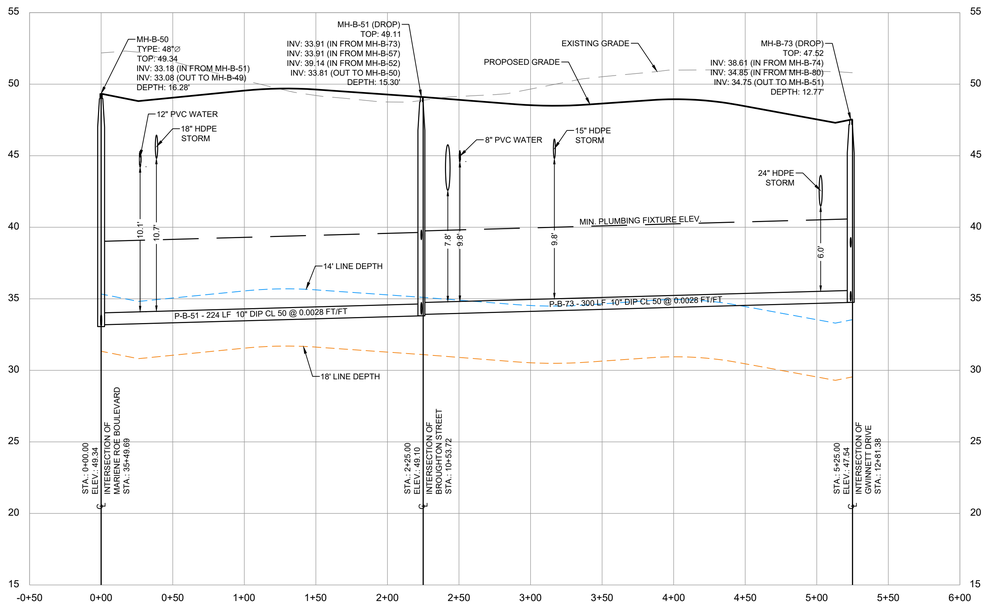
RICHARD J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B45-B56	55 OF 63

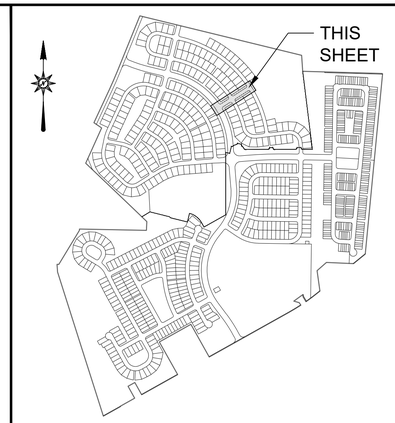
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PROFILE: CAROLAN STREET

SCALE: HORIZ. 1"= 50', VERT. 1"= 5'



NOTES:

1. FOR LATERAL INFORMATION, SEE LATERAL TABLES, SHEETS 59-63.
2. STATIONING OF SANITARY SEWER FACILITIES CORRESPONDS WITH ROAD CONSTRUCTION PLAN STATIONING WITH THE EXCEPTION OF OFF-STREET MANHOLES.
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DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE 1"=50'

09-02-2026
PROFESSIONAL ENGINEER

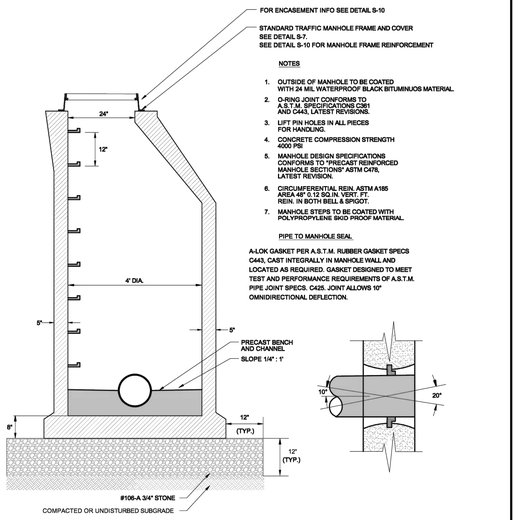
SANITARY SEWER PLAN & PROFILE
FOR
CAROLAN STREET
IN
SAVANNAH FARMS

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B45-B56	56 OF 63

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NOTES

1. OUTSIDE OF MANHOLE TO BE COATED WITH 24 MIL WATERPROOF BLACK BITUMINUOS MATERIAL.
2. O-RING JOINT CONFORMS TO A.S.T.M. SPECIFICATIONS C361 AND C443, LATEST REVISIONS.
3. LIFT PIN HOLES IN ALL PIECES FOR HANDLING.
4. CONCRETE COMPRESSION STRENGTH 4000 PSI
5. MANHOLE DESIGN SPECIFICATIONS CONFORMS TO "PRECAST REINFORCED MANHOLE SECTIONS" ASTM C478, LATEST REVISION.
6. CIRCUMFERENTIAL REIN. ASTM A185 AREA 49" 0.12 SQ.IN. VERT. FT. REIN. IN BOTH BELL & SPIGOT.
7. MANHOLE STEPS TO BE COATED WITH POLYPROPYLENE 8KID PROOF MATERIAL.

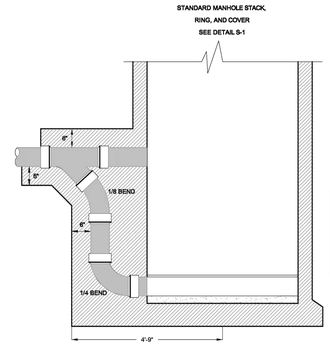
PIPE TO MANHOLE SEAL

A-LOK GASKET PER A.S.T.M. RUBBER GASKET SPECS C443, CAST INTEGRALLY IN MANHOLE WALL AND LOCATED AS REQUIRED. GASKET DESIGNED TO MEET TEST AND PERFORMANCE REQUIREMENTS OF A.S.T.M. PIPE JOINT SPECS. C425. JOINT ALLOWS 10° OMNIDIRECTIONAL DEFLECTION.

CAMDEN WYOMING
SEWER AND WATER AUTHORITY
P.O. BOX 405 CAMDEN, DE 19934

CONSTRUCTION DETAILS
PRE-CAST MANHOLE DETAIL
S-1

REV.	DATE	DESCRIPTION	BY	CHK
0	11/1/07	INITIAL RELEASE	CBA	SG/HS



NOTES:

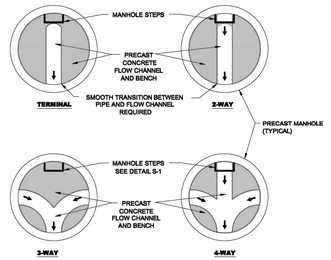
1. SEE DETAIL S-1 FOR PRE-CAST MANHOLE SPECIFICATIONS
2. ALL DROP MANHOLES TO BE PRE-CAST
3. BENDS AND FITTINGS FOR DROP TO BE SDR-35.
4. ALL DROP MANHOLES ARE TO BE OUTSIDE DROP CONFIGUARATION. NO INSIDE DROPS WILL BE PERMITTED.

DROP CONNECTION MINIMUM DROP	
8" SEWER	3'-0"
10" SEWER	4'-0"
12" SEWER	6'-0"
15" SEWER	6'-0"

CAMDEN WYOMING
SEWER AND WATER AUTHORITY
P.O. BOX 405 CAMDEN, DE 19934

CONSTRUCTION DETAILS
DROP MANHOLE DETAIL
S-2

REV.	DATE	DESCRIPTION	BY	CHK
0	11/1/07	INITIAL RELEASE	CBA	SG/HS



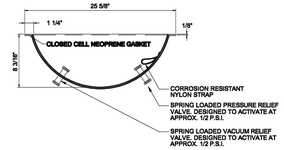
NOTES

1. FLOW CHANNELS SHALL BE 3500 PSI CONCRETE, MINIMUM 4" THICK.
2. CHANNEL WIDTH SHALL MATCH INSIDE DIAMETER OF INCOMING AND OUTGOING PIPES. BLEND CHANNEL WITH MORTAR FOR SMOOTH TRANSITION.
3. DOGHOUSE MANHOLE CHANNELS SHALL BE CAST IN PLACE 3500 PSI CONCRETE OR BRICK AND MORTAR.

CAMDEN WYOMING
SEWER AND WATER AUTHORITY
P.O. BOX 405 CAMDEN, DE 19934

CONSTRUCTION DETAILS
MANHOLE FLOW CHANNEL DETAIL
S-4

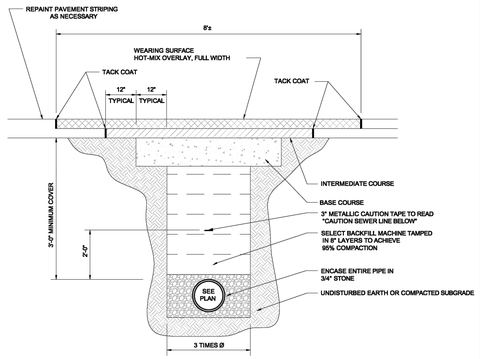
REV.	DATE	DESCRIPTION	BY	CHK
0	11/1/07	INITIAL RELEASE	CBA	SG/HS



CAMDEN WYOMING
SEWER AND WATER AUTHORITY
P.O. BOX 405 CAMDEN, DE 19934

CONSTRUCTION DETAILS
MANHOLE DRAIN INSERT DETAIL
S-5

REV.	DATE	DESCRIPTION	BY	CHK
0	11/1/07	INITIAL RELEASE	CBA	SG/HS



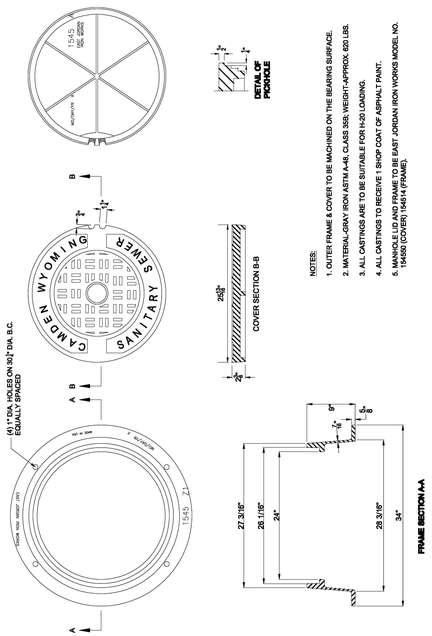
NOTE:
IN UNPAVED AREAS PROVIDE 4" OF TOPSOIL AND MULCH

RESTORATION	BASE COURSE	INTERMEDIATE COURSE	WEARING SURFACE/OVERLAY
CONCRETE PATCH REPAVING	8" INCHES HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE		2" INCHES HOT-MIX, HOT-LAID BITUMINOUS CONCRETE, TYPE C
HOT-MIX TRENCH REPAVING	8" INCHES GRADED AGGREGATE TYPE B	2" INCHES HOT-MIX, HOT-LAID BITUMINOUS CONCRETE, TYPE B OR C	2" INCHES HOT-MIX, HOT-LAID BITUMINOUS CONCRETE, TYPE C
TEMPORARY REPAVING	8" INCHES GRADED AGGREGATE TYPE B	2" INCHES HOT-MIX, HOT-LAID BITUMINOUS CONCRETE, TYPE B OR C OR 2" COLD LAID, BITUMINOUS CONCRETE	
LANDSCAPED/UNPAVED AREAS	COMPACTED SUBGRADE	4" GRADED TOPSOIL	SEEDING AND MULCHING OR STRAW AS REQUIRED

CAMDEN WYOMING
SEWER AND WATER AUTHORITY
P.O. BOX 405 CAMDEN, DE 19934

CONSTRUCTION DETAILS
TRENCH REPAIR DETAIL
S-6

REV.	DATE	DESCRIPTION	BY	CHK
0	11/1/07	INITIAL RELEASE	CBA	SG/HS

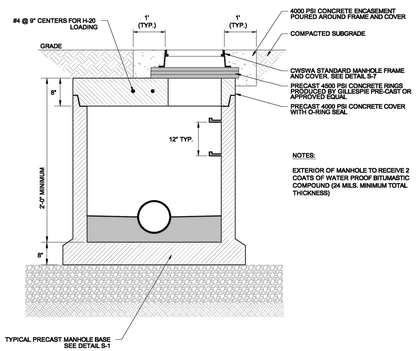


NOTES:
1. OUTER FRAME & COVER TO BE MACHINED ON THE BEARING SURFACE.
2. MATERIAL: GRAY IRON ASTM A-48, CLASS 35B, WEIGHT: APPROX. 650 LBS.
3. ALL CASTINGS ARE TO BE SUITABLE FOR H-20 LOADING.
4. ALL CASTINGS TO RECEIVE 1 SHOP COAT OF ASPHALT PAINT.
5. MANHOLE LID AND FRAME TO BE EAST JORDAN IRON WORKS MODEL NO. 154500 (COVER) 154514 (FRAME).

CAMDEN WYOMING
SEWER AND WATER AUTHORITY
P.O. BOX 405 CAMDEN, DE 19934

CONSTRUCTION DETAILS
MANHOLE FRAME AND COVER DETAIL
S-7

REV.	DATE	DESCRIPTION	BY	CHK
0	11/1/07	INITIAL RELEASE	CBA	SG/HS



NOTES:

EXTERIOR OF MANHOLE TO RECEIVE 2 COATS OF WATER PROOF BITUMASTIC COMPOUND (24 MILS. MINIMUM TOTAL THICKNESS)

CAMDEN WYOMING
SEWER AND WATER AUTHORITY
P.O. BOX 405 CAMDEN, DE 19934

CONSTRUCTION DETAILS
SHALLOW MANHOLE DETAIL
S-10

REV.	DATE	DESCRIPTION	BY	CHK
0	11/1/07	INITIAL RELEASE	CBA	SG/HS

SANITARY SEWER DETAILS FOR *SAVANNAH FARMS*

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE AS SHOWN

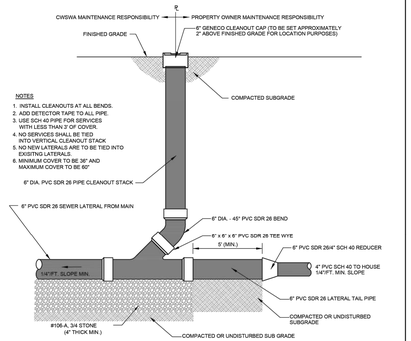
RACHEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B57-B58	57 OF 63

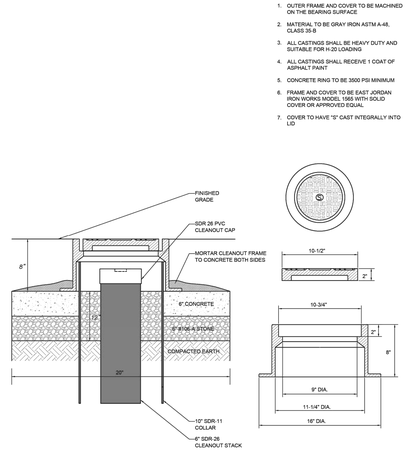
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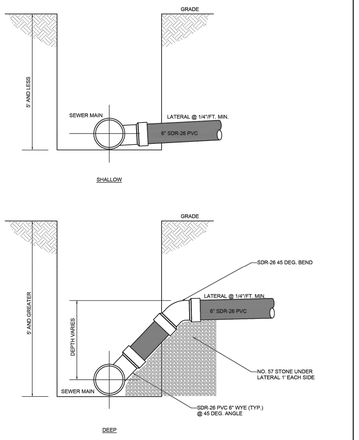
CAMDEN WYOMING SEWER AND WATER AUTHORITY P.O. BOX 405 CAMDEN, DE 19934	CONSTRUCTION DETAILS	
	SANITARY CLEANOUT DETAIL	
	S-3	

REV.	DATE	DESCRIPTION	BY	CHK
4	2/27/23	CHANGED PIPE FROM SDR 35 TO SDR 26	CSA	DAVID
3	6/1/06	ADJ. CAP HEIGHT FROM FINISHED GRADE	CSA	DAVID
2	11/1/07		CSA	DAVID
1	11/1/97	INITIAL RELEASE	CSA	DAVID



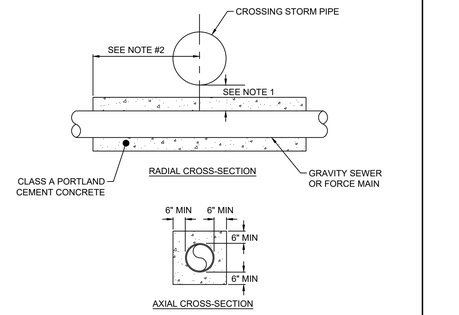
CAMDEN WYOMING SEWER AND WATER AUTHORITY P.O. BOX 405 CAMDEN, DE 19934	CONSTRUCTION DETAILS	
	TRAFFIC AREA CLEANOUT COVER DETAIL	
	S-11	

REV.	DATE	DESCRIPTION	BY	CHK
3	2/27/23	CHANGED PIPE FROM SDR 35 TO SDR 26	CSA	DAVID
2	11/1/07	INITIAL RELEASE	CSA	DAVID
1	11/1/97		CSA	DAVID



CAMDEN WYOMING SEWER AND WATER AUTHORITY P.O. BOX 405 CAMDEN, DE 19934	CONSTRUCTION DETAILS	
	MAIN LATERAL CONNECTION DETAIL	
	S-12	

REV.	DATE	DESCRIPTION	BY	CHK
2	2/27/23	CHANGED PIPE FROM SDR 35 TO SDR 26	CSA	DAVID
1	11/1/07	INITIAL RELEASE	CSA	DAVID



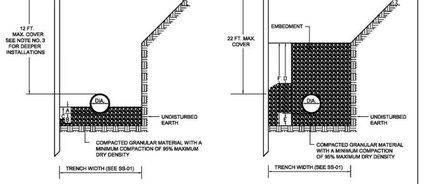
NOTES:

1. WHERE THE VERTICAL SEPARATION TO A CROSSING STORM PIPE IS LESS THAN 12", CONCRETE ENCASEMENT SHALL BE PROVIDED AROUND THE SANITARY SEWER MAIN.
2. CONCRETE ENCASEMENT SHALL SPAN A MINIMUM DISTANCE OF 10' TO EITHER SIDE OF THE CROSSING UTILITY.
3. ALL CONCRETE SHALL BE 4,000 P.S.I. MINIMUM.
4. VERTICAL SEPARATION SHALL NOT BE LESS THAN 6".

CONCRETE ENCASEMENT DETAIL
FOR SANITARY SEWER AND STORM PIPE CROSSING
(NTS)

NOTES:
1) ALL MAXIMUM DRY DENSITY REQUIREMENTS ARE BASED ON STANDARD PROCTOR IN UNPAVED AREAS AND MODIFIED PROCTOR IN PAVED AREAS.
2) BEDDING MATERIAL MAY BE ASTM C33 COURSE AGGREGATE, IN WET PLACEMENT CONDITIONS, MATERIAL IS OPEN GRADED AND NO COMPACTION REQUIREMENT APPLIES.

NOTES (CONTINUED):
3) WHEN DEPTH OF COVER MATERIAL IS GREATER THAN 12 FT. CONTRACTOR MAY ELECT TO EITHER UTILIZE TYPE B BEDDING OR INSTALL DUCTILE IRON PIPE OF EQUAL OR GREATER CONVEYANCE CAPACITY. SEE SPECIAL BEDDING DETAIL FOR DUCTILE IRON PIPE (SS-03).
4) PVC SDR 35 GRAVITY SEWER APPLICATIONS FROM 3 TO 15 FEET DEEP. PVC SDR 26 OR PVC SCH 21 FOR GRAVITY SANITARY SEWER APPLICATIONS FROM 2.5 TO 35 FEET DEEP (CORRUGATED PVC PIPE AS ACCEPTABLE ALT.) PVC SCH 21 FOR SANITARY SEWER FORCE MAIN (TYP.).



TYPE A BEDDING (12 FT. MAX. COVER)

TYPE A BEDDING-SEE BEDDING DEPTH NOTES

DIA.	A	B	C
6	3	4	7
8	5	5	9
10	9	4	13
12	9	5	14
15	9	4	13
18	11	5	16
21	12	7	19
24	13	8	21
27	16	5	21
30	16	13	29

TYPE B BEDDING (22 FT. MAX COVER)

TYPE B BEDDING-SEE BEDDING DEPTH NOTES

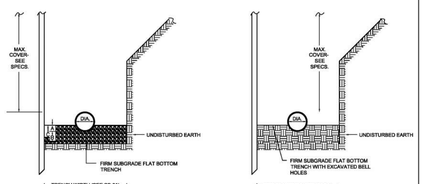
DIA.	D	E	F
6	24	6	30
8	28	6	34
10	32	6	38
12	36	6	42
15	37	6	43
18	40	6	46
21	44	6	50
24	48	8	56
27	52	8	60
30	56	10	66

BEDDING DEPTH NOTES:
1. "DIA." DENOTES NOMINAL DIAMETER OF PIPE.
2. ALL DIMENSIONS IN INCHES.

SPECIAL BEDDING AND EMBEDMENT
FOR PVC SANITARY SEWER PIPE
NOT TO SCALE

KENT COUNTY DELAWARE	APPROVAL	DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS SPECIAL BEDDING AND EMBEDMENT FOR PVC SANITARY SEWER PIPE	ISSUED: REVISED: 01/23/13 PLATE SS-02
	DIRECTOR OF PUBLIC WORKS DATE		

NOTES:
1) ALL MAXIMUM DRY DENSITY REQUIREMENTS ARE BASED ON STANDARD PROCTOR IN UNPAVED AREAS AND MODIFIED PROCTOR IN PAVED AREAS.
2) BEDDING MATERIAL MAY BE ASTM C33 COURSE AGGREGATE, IN WET PLACEMENT CONDITIONS, MATERIAL IS OPEN GRADED AND NO COMPACTION REQUIREMENT APPLIES.



TYPE 4 LAYING CONDITION
LARGER THAN 24" NOMINAL DIAMETER

TYPE 4 BEDDING-
SEE BEDDING DEPTH NOTES BELOW

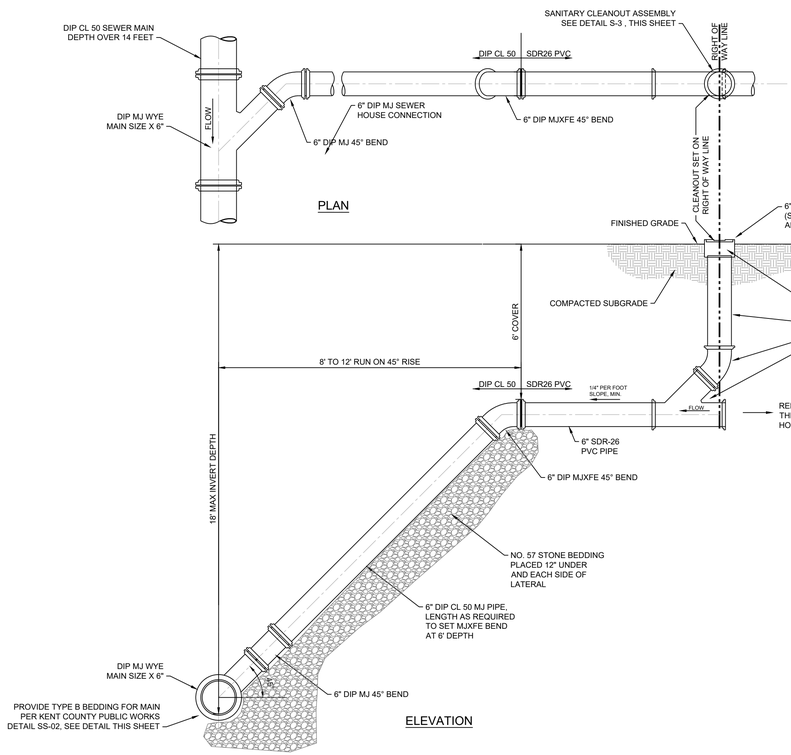
DIA.	A	B	C
30	9	6	15
36	10	6	16
42	13	6	19
48	15	6	21
54	16	6	22

TYPE 2 LAYING CONDITION
24" AND SMALLER NOMINAL DIAMETER

BEDDING DEPTH NOTES:
1.) "DIA." DENOTES NOMINAL DIAMETER OF PIPE.
2.) ALL DIMENSIONS IN INCHES.

SPECIAL BEDDING FOR DUCTILE IRON PIPE
NOT TO SCALE

KENT COUNTY DELAWARE	APPROVAL	DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS SPECIAL BEDDING FOR DUCTILE IRON PIPE	ISSUED: REVISED: 01-17-13 PLATE SS-03
	DIRECTOR OF PUBLIC WORKS DATE		



DETAIL: SEWER LATERAL CONNECTION TO DIP DEEP SEWER

SANITARY SEWER DETAILS FOR *SAVANNAH FARMS*

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	6/23/2026	REVISED PER CWSWA COMMENTS 6/7

PREPARED FOR:
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** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE AS SHOWN

09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B57-B58	58 OF 63

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CAMDEN SINGLE FAMILY DETACHED & DUPLEX LOTS 1-201 AND PUBLIC OPEN SPACE 40

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE		DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
1	38.00	43.00	44.30	51.30	N	48.62	MH-A-88	N		MH-A-87	0+99
2	38.38	43.38	44.30	51.30	N	48.62	MH-A-88	N		MH-A-87	1+62
3	38.99	43.99	43.80	50.80	N	48.62	MH-A-88	N		MH-A-87	2+18
4	39.57	44.57	42.90	49.90	N	46.80	MH-A-89	N		MH-A-88	0+77
5	40.07	45.07	42.70	49.70	N	46.80	MH-A-89	N		MH-A-88	1+00
6	39.43	44.43	43.30	50.30	N	46.80	MH-A-89	N		MH-A-88	0+63
7	38.99	43.99	44.10	51.10	N	48.62	MH-A-88	N		MH-A-87	2+18
8	38.36	43.36	44.60	51.60	N	48.62	MH-A-88	N		MH-A-87	1+58
9	37.87	42.87	44.60	51.60	N	48.62	MH-A-88	N		MH-A-87	0+78
10	38.43	43.43	39.05	43.60	Y	51.22	MH-A-95	Y	*	MH-A-94	0+49
11	38.76	43.76	39.38	44.20	Y	51.22	MH-A-95	Y	*	MH-A-94	1+22
12	38.91	43.91	39.53	44.20	Y	51.22	MH-A-95	Y	*	MH-A-94	1+54
13	39.30	44.30	39.92	44.30	Y	50.97	MH-A-100	Y	*	MH-A-95	0+59
14	39.44	44.44	46.30	53.30	N	50.97	MH-A-100	N		MH-A-95	0+91
15	39.73	44.73	46.30	53.30	N	50.97	MH-A-100	N		MH-A-95	1+55
16	39.87	44.87	46.30	53.30	N	50.97	MH-A-100	N		MH-A-95	1+87
17	40.16	45.16	46.40	53.40	N	50.97	MH-A-100	N		MH-A-95	2+51
18	40.39	45.39	46.40	53.40	N	52.03	MH-A-103	N		MH-A-100	0+26
19	40.69	45.69	46.40	53.40	N	52.03	MH-A-103	N		MH-A-100	0+92
20	40.83	45.83	46.40	53.40	N	52.03	MH-A-103	N		MH-A-100	1+24
21	42.22	47.22	46.70	53.70	N	51.05	MH-A-108	N		MH-A-104	0+78
22	42.50	47.50	46.30	53.30	N	51.05	MH-A-108	N		MH-A-104	1+41
23	42.77	47.77	46.10	53.10	N	51.05	MH-A-108	N		MH-A-104	2+01
24	43.07	48.07	45.70	52.70	N	50.43	MH-A-109	N		MH-A-108	0+32
25	43.31	48.31	45.40	52.40	N	50.43	MH-A-109	N		MH-A-108	0+85
26	43.58	48.58	45.30	52.30	N	50.66	MH-A-110	N		MH-A-109	0+28
27	44.03	49.03	45.50	52.50	N	50.66	MH-A-110	N		MH-A-109	0+69
28	44.06	49.06	45.60	52.60	N	50.77	MH-A-111	N		MH-A-110	0+45
29	44.55	49.55	45.60	52.60	N	50.77	MH-A-111	N		MH-A-110	0+93
30	44.98	49.98	45.70	52.30	N	50.15	MH-A-112	N		MH-A-111	0+60
31	45.65	50.65	46.28	52.10	N	50.15	MH-A-112	N		MH-A-111	1+00
32	46.12	51.12	46.77	52.20	N	50.35	MH-A-116	N		MH-A-115	1+00
33	45.54	50.54	46.31	52.40	N	50.35	MH-A-116	N		MH-A-115	0+69
34	45.01	50.01	45.74	52.50	N	50.35	MH-A-116	N		MH-A-115	0+16
35	44.62	49.62	45.40	52.40	N	50.67	MH-A-115	N		MH-A-114	1+96
36	44.36	49.36	45.00	52.00	N	50.67	MH-A-115	N		MH-A-114	1+37
37	44.09	49.09	45.30	52.30	N	50.67	MH-A-115	N		MH-A-114	0+79
38	43.82	48.82	45.70	52.70	N	50.67	MH-A-115	N		MH-A-114	0+19
39	44.22	49.22	46.10	53.10	N	52.08	MH-A-117	N		MH-A-114	0+41
40	44.92	49.92	46.60	53.60	N	52.08	MH-A-117	N		MH-A-114	1+01
41	45.64	50.64	47.30	54.30	N	52.08	MH-A-117	N		MH-A-114	1+63
42	46.77	51.77	47.83	54.40	N	52.60	MH-A-118	N		MH-A-117	0+73
43	46.77	51.77	47.83	54.20	N	52.60	MH-A-118	N		MH-A-117	0+73
44	46.04	51.04	46.90	53.90	N	52.60	MH-A-118	N		MH-A-117	0+27
45	45.41	50.41	46.50	53.50	N	52.08	MH-A-117	N		MH-A-116	1+44
46	44.72	49.72	46.10	53.10	N	52.08	MH-A-117	N		MH-A-116	0+84
47	43.21	48.21	46.10	53.10	N	50.91	MH-A-114	N		MH-A-113	0+91
48	42.94	47.94	46.50	53.50	N	50.91	MH-A-114	N		MH-A-113	0+31
49	42.57	47.57	46.80	53.80	N	51.74	MH-A-113	N		MH-A-104	1+57
50	42.30	47.30	46.80	53.80	N	51.74	MH-A-113	N		MH-A-104	0+95
51	43.10	48.10	46.80	53.80	N	52.30	MH-A-105	N		MH-A-104	0+84
52	43.98	48.98	46.90	53.90	N	52.30	MH-A-105	N		MH-A-104	1+44
53	45.17	50.17	47.20	54.20	N	52.30	MH-A-105	N		MH-A-104	2+08
54	45.26	50.26	47.60	54.60	N	53.50	MH-A-106	N		MH-A-105	0+56
55	45.53	50.53	48.00	55.00	N	53.50	MH-A-106	N		MH-A-105	1+16
56	45.73	50.73	48.20	55.20	N	53.50	MH-A-106	N		MH-A-105	1+62
57	46.44	51.44	48.20	55.20	N	52.73	MH-A-107	N		MH-A-106	0+46
58	47.24	52.24	48.10	54.30	N	52.73	MH-A-107	N		MH-A-106	1+00
59	47.97	52.97	48.60	54.70	N	52.70	MH-A-78	N		MH-A-77	0+97
60	47.25	52.25	48.00	55.00	N	52.70	MH-A-78	N		MH-A-77	0+51
61	46.49	51.49	48.40	55.40	N	53.34	MH-A-77	N		MH-A-76	2+84
62	45.97	50.97	48.40	55.40	N	53.34	MH-A-77	N		MH-A-76	2+21
63	45.46	50.46	48.20	55.20	N	53.34	MH-A-77	N		MH-A-76	1+62
64	44.81	49.81	47.80	54.80	N	53.34	MH-A-77	N		MH-A-76	0+84
65	44.45	49.45	47.40	54.40	N	53.34	MH-A-77	N		MH-A-76	0+42
66	45.48	50.48	47.40	54.40	N	52.61	MH-A-81	N		MH-A-80	0+58
67	45.75	50.75	47.10	54.10	N	52.61	MH-A-81	N		MH-A-80	1+18
68	46.02	51.02	47.40	54.40	N	52.61	MH-A-81	N		MH-A-80	1+77
69	46.45	51.45	47.80	54.80	N	52.61	MH-A-81	N		MH-A-80	2+13
70	46.68	51.68	47.80	54.80	N	53.21	MH-A-82	N		MH-A-81	0+40
71	47.18	52.18	48.10	55.10	N	53.21	MH-A-82	N		MH-A-81	0+90
72	47.55	52.55	48.33	55.10	N	53.21	MH-A-82	N		MH-A-81	1+00
73	48.34	53.34	49.09	55.20	N	52.74	MH-A-86	N		MH-A-85	1+00
74	47.97	52.97	48.72	55.20	N	52.74	MH-A-86	N		MH-A-85	0+90
75	47.46	52.46	48.33	54.60	N	52.74	MH-A-86	N		MH-A-85	0+40
76	47.24	52.24	47.86	53.90	N	52.05	MH-A-85	N		MH-A-84	1+44
77	46.77	51.77	47.52	53.70	N	52.05	MH-A-85	N		MH-A-84	0+99
78	46.52	51.52	47.38	53.30	N	52.05	MH-A-85	N		MH-A-84	0+44
79	46.49	51.49	47.13	53.00	N	51.09	MH-A-84	N		MH-A-83	1+00
80	46.11	51.11	46.93	52.80	N	51.09	MH-A-84	N		MH-A-83	0+75
81	44.79	49.79	47.40	54.40	N	53.34	MH-A-77	N		MH-A-76	0+82
82	45.06	50.06	47.40	54.40	N	53.34	MH-A-77	N		MH-A-76	1+14
83	45.62	50.62	48.10	55.10	N	53.34	MH-A-77	N		MH-A-76	1+81
84	45.88	50.88	48.10	55.10	N	53.34	MH-A-77	N		MH-A-76	2+11
85	46.50	51.50	48.00	55.00	N	53.34	MH-A-77	N		MH-A-76	2+84
86	46.90	51.90	48.00	55.00	N	52.70	MH-A-78	N		MH-A-77	0+16
87	47.67	52.67	48.28	54.30	N	52.70	MH-A-78	N		MH-A-77	0+93
88	47.97	52.97	48.58	54.30	N	52.70	MH-A-78	N		MH-A-77	0+97
89	46.93	51.93	47.55	54.50	N	52.73	MH-A-107	N		MH-A-106	0+96
90	46.65	51.65	47.50	54.50	N	52.73	MH-A-107	N		MH-A-106	0+68
91	46.14	51.14	48.00	55.00	N	53.50	MH-A-106	N		MH-A-105	1+93
92	45.74	50.74	48.00	55.00	N	53.50	MH-A-106	N		MH-A-105	1+64
93	45.44	50.44	48.00	55.00	N	53.50	MH-A-106	N		MH-A-105	0+97
94	45.31	50.31	48.00	55.00	N	53.50	MH-A-106	N		MH-A-105	0+68
95	45.17	50.17	46.80	53.80	N	52.30	MH-A-105	N		MH-A-104	2+08
96	44.49	49.49	46.80	53.80	N	52.30	MH-A-105	N		MH-A-104	1+79
97	43.55	48.55	46.40	53.40	N	52.30	MH-A-105	N		MH-A-104	1+15
98	43.06	48.06	46.40	53.40	N	52.30	MH-A-105	N		MH-A-104	0+81
99	44.48	49.48	46.50	53.50	N	52.43	MH-A-101	N		MH-A-100	0+82
100	44.62	49.62	46.50	53.50	N	52.43	MH-A-101	N		MH-A-100	1+14
101	44.91	49.91	46.80	53.80	N	52.43	MH-A-101	N		MH-A-100	1+78
102	45.05	50.05	46.80	53.80	N	52.43	MH-A-101	N		MH-A-100	2+10
103	45.35	50.35	47.60	54.60	N	52.43	MH-A-101	N		MH-A-100	2+74
104	45.73	50.73	47.60	54.60	N	52.57	MH-A-102	N		MH-A-101	0+26
105	46.38	51.38	47.60	54.60	N	52.57	MH-A-102	N		MH-A-101	0+90
106	46.84	51.84	47.60	54.60	N	52.57	MH-A-102	N		MH-A-101	1+10
107	45.87	50.87	47.00	54.00	N	51.80	MH-A-72	N		MH-A-71	1+00
108	45.41	50.41	47.00	54.00	N	51.80	MH-A-72	N		MH-A-71	0+81
109	44.77	49.77	46.20	53.20	N	50.92	MH-A-71	N		MH-A-70	0+90

CAMDEN SINGLE FAMILY DETACHED & DUPLEX LOTS 1-201 AND PUBLIC OPEN SPACE 40

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE		DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
110	44.36	49.36	46.20	53.20	N	50.92	MH-A-71	N		MH-A-70	0+59
111	43.97	48.97	46.20	53.20	N	50.61	MH-A-70	N		MH-A-69	1+55
112	43.83	48.83	46.20	53.20	N	50.61	MH-A-70	N		MH-A-69	1+24
113	43.54	48.54	45.90	52.90	N	50.61	MH-A-70	N		MH-A-69	0+60
114	43.40	48.40	45.90	52.90	N	50.61	MH-A-70	N		MH-A-69	0+29
115	43.01	48.01	45.80	52.80	N	50.75	MH-A-69	N		MH-A-68	1+14
116	42.87	47.87	45.80	52.80	N	50.75	MH-A-69	N		MH-A-68	0+83
117	44.46	49.46	46.20	53.20	N	51.74	MH-A-73	N		MH-A-70	0+82
118	44.61	49.61	46.20	53.20	N	51.74	MH-A-73	N		MH-A-70	1+14
119	44.93	49.93	46.20	53.20	N	51.74	MH-A-73	N		MH-A-70	1+85
120	45.22	50.22	46.20	53.20	N	51.13	MH-A-74	N		MH-A-73	0+12
121	45.85	50.85	46.54	53.20	N	51.13	MH-A-74	N		MH-A-73	0+76
122	46.36	51.36	46.99	53.20	N	51.13	MH-A-74	N		MH-A-73	1+00
123	46.34	51.34	47.04	54.00	N	52.07	MH-A-99	N		MH-A-98	1+40
124	45.94	50.94	47.00	54.00	N	52.07	MH-A-99	N		MH-A-98	1+26
125	45.33	50.33	46.50	53.50	N	52.07	MH-A-99	N		MH-A-98	0+66
126	45.02	50.02	46.50	53.50	N	52.07	MH-A-99	N		MH-A-98	0+35
127	44.40	49.40	46.00	53.00	N	50.80	MH-A-98	N		MH-A-97	2+51
128	44.26	49.26	46.00	53.00	N	50.80	MH-A-98	N		MH-A-97	2+20
129	43.79	48.79	47.40	54.40	N	50.80	MH-A-98	N		MH-A-97	1+17
130	43.65	48.65	47.40	54.40	N	50.80	MH-A-98	N		MH-A-97	0+86
131	43.14	48.14	47.90	54.90	N	53.36	MH-A-97	N		MH-A-96	2+95
132	43.00	48.00	47.90	54.90	N	53.36	MH-A-97	N		MH-A-96	2+63
133	42.62	47.62	47.20	54.20	N	53.36	MH-A-97	N		MH-A-96	1+78
134	42.48	47.48	47.20	54.20	N	53.36	MH-A-97	N		MH-A-96	1+47
135	42.09	47.09	46.50	53.50	N	53.36	MH-A-97	N		MH-A-96	0+61
136	41.95	46.95	46.50	53.50	N	53.36	MH-A-97	N		MH-A-96	0+30
137	40.94	45.94	44.30	51.30	N	49.12	MH-A-90	N		MH-A-87	0+58
138	41.17	46.17	44.30	51.30	N	50.39	MH-A-91	N		MH-A-90	0+18
139	41.44	46.44	45.20	52.20	N	50.39	MH-A-91	N		MH-A-90	0+77
140	41.58	46.58	45.20	52.20	N	50.39	MH-A-91	N		MH-A-90	1+09
141	41.94	46.94	46.10	53.10	N	51.94	MH-A-92	N		MH-A-91	0+03
142	42.09	47.09	46.10	53.10	N	51.94	MH-A-92	N		MH-A-91	0+37
143	42.36	47.36	46.10	53.10	N	51.94	MH-A-92	N		MH-A-91	0+97
144	42.50	47.50	46.10	53.10	N	51.94	MH-A-92	N		MH-A-91	1+28
145	43.09	48.09	46.70	53.70	N	51.94	MH-A-92	N		MH-A-91	2+00
146	43.56	48.56	46.70	53.70	N	53.20	MH-A-93	N		MH-A-92	0+33
147	44.65	49.65	47.40	54.40	N	53.20	MH-A-93	N		MH-A-92	0+89
148	45.33	50.33	47.40	54.40	N	53.20	MH-A-93	N		MH-A-92	1+25
149	46.47	51.47	47.70	54.70	N	53.20	MH-A-93	N		MH-A-92	1+70
150	47.02	52.02	47.83	54.70	N	52.75	MH-A-59	N		MH-A-58	1+90
151	46.41	51.41	47.20	54.20	N	52.75	MH-A-59	N		MH-A-58	1+57
152	46.08	51.08	47.20	54.20	N	52.75	MH-A-59	N		MH-A-58	1+24
153	45.48	50.48	46.80	53.80	N	52.75	MH-A-59	N		MH-A-58	0+64
154	45.14	50.14	46.80	53.80	N	52.75	MH-A-59	N		MH-A-58	0+30
155	39.16	44.16	39.78	45.40	Y	51.32	MH-A-66	Y	*	MH-A-65	0+20
156	39.30	44.30	39.92	45.40	Y	51.32	MH-A-66	Y	*	MH-A-65	0+50
157	39.60	44.60	40.22	45.00	Y	51.32	MH-A-66	Y	*	MH-A-65	1+17
158	39.73	44.73	40.35	45.00	Y	51.32	MH-A-66	Y	*	MH-A-65	1+46
159	40.58	45.58	46.40	53.40	N	51.58	MH-A-67	N		MH-A-66	0+78
160	40.85	45.85	46.70	53.70	N	51.58	MH-A-67	N		MH-A-66	1+38
161	41.13	46.13	46.70	53.70	N	51.58	MH-A-67	N		MH-A-66	2+01
162	41.48	46.48	46.50	53.50	N	49.95	MH-A-68	N		MH-A-67	0+36
163	41.77	46.77	46.10	53.10	N	49.95	MH-A-68	N		MH-A-67	1+01
164	42.04	47.04	45.50	52.50	N	49.95	MH-A-68	N		MH-A-67	1+61
165	43.61	48.61	45.90	52.90	N	52.11	MH-A-76	N		MH-A-75	0+89
166	43.34	48.34	45.80	52.80	N	52.11	MH-A-76	N		MH-A-75	0+29
167	42.97	47.97	45.40	52.40	N	50.65	MH-A-75	N		MH-A-68	1+04
168	42.70	47.70	45.00	52.00	N	50.65	MH-A-75	N		MH-A-68	0+44
169	42.34	47.34	45.00	52.00	N	49.95	MH-A-68	N		MH-A-67	2+26
170	42.13	47.13	45.50	52.50	N	49.95	MH-A-68	N		MH-A-67	1+81
171	41.86	46.86	45.90	52.90	N	49.95	MH-A-68	N		MH-A-67	1+21
172	41.62	46.62	46.20	53.20	N	49.95	MH-A-68	N		MH-A-67	0+66
173	41.16	46.16	46.60	53.60	N	51.58	MH-A-67	N		MH-A-66	2+06
174	40.89	45.89	46.60	53.60	N	51.58	MH-A-67	N		MH-A-66	1+46
175	40.60	45.60	46.50	53.50	N	51.58	MH-A-67	N		MH-A-66	0+84
176	40.35	45.35	46.10	53.10	N	51.58	MH-A-67	N		MH-A-66	0+26
177	39.98	44.98	46.50	53.50	N	51.32	MH-A-66	N		MH-A-65	2+01
178	39.75	44.75	40.37	44.90	Y	51.32	MH-A-66	Y	*	MH-A-65	1+51
179	39.44	44.44	40.06	45.50	Y	51.32	MH-A-66	Y	*	MH-A-65	0+81
180	39.17	44.17	39.79	45.80	Y	51.32	MH-A-66	Y	*	MH-A-65	0+21
181	38.83	43.83	39.58	45.90	Y	53.00	MH-A-65	Y	*	MH-A-64	1+21
182	38.58	43.58	39.39	45.90	Y	53.00	MH-A-65	Y	*	MH-A-64	0+66
183	38.33	43.33	39.02	45.50	Y	53.00	MH-A-65	Y	*	MH-A-64	0+11
184	38.38	43.38	39.00	45.10	Y	53.20	MH-A-60	Y	*	MH-A-57	0+78
185	39.11	44.11	39.73	45.40	Y	53.20	MH-A-60	Y	*	MH-A-57	1+43
186	39.96	44.96	41.02	45.80	Y	53.20	MH-A-60	Y	*	MH-A-57	1+95
187	39.92	44.92	40.82	45.90	Y	53.62	MH-A-61	Y	*	MH-A-60	0+28
188	39.91	44.91	40.83	46.00	Y	53.62	MH-A-93	Y	*	MH-A-90	0+26
189	39.09	44.09	39.71	45.50	Y	53.20	MH-A-93	Y	*	MH-A-90	1+41
190	38.36	43.36	38.98	44.90	Y	53.20	MH-A-60	Y	*	MH-A-57	0+76
191	45.19	50.19	46.60	53.60	N	52.75	MH-A-59	N		MH-A-58	0+35
192	45.99	50.99	47.20	54.20	N	52.75	MH-A-59	N		MH-A-58	1+15
193	46.66	51.66	47.80	54.80	N	52.75	MH-A-59	N		MH-A-58	1+82
194	46.47	51.47	47.90	54.90	N	53.20	MH-A-93	N		MH-A-92	1+70
195	44.63	49.63	47.90	54.90	N	53.20	MH-A-93	N		MH-A-92	0+88
196	45.63	50.63	47.30	54.30	N	53.20	MH-A-93	N		MH-A-92	1+40
197	42.68	47.68	46.80	53.80	N	51.94	MH-A-92	N		MH-A-91	1+67
198	42.38	47.38	46.30	53.30	N	51.94	MH-A-92	N		MH-A-91	1+00
199	42.07	47.07	45.70	52.70	N	51.94	MH-A-92	N		MH-A-91	0+32
200	41.57	46.57	45.20	52.20	N	50.39	MH-A-91	N		MH-A-90	1+06
201	41.35	46.35	44.70	51.70	N	50.39	MH-A-91	N		MH-A-90	0+57
CLUB-HOUSE	43.06	48.06	46.00	53.00	N	52.08	MH-A-63	N		MH-A-62	1+92

NOTES:
1. ALL SANITARY SEWER MAIN AND SERVICE LATERAL PVC PIPE MATERIAL SHALL BE PVC SDR-26, EXCEPT WHERE DEPTH EXCEEDS 14 FEET, MAINS SHALL BE DIP CL-50.
2. ANY PORTION OF A GRAVITY SANITARY SEWER LATERAL LOCATED WITHIN A PUBLIC RIGHT-OF-WAY MUST BE 6" DIAMETER SDR-26 AND HAVE A MINIMUM SLOPE OF 2.0%.
3. SCHEDULE 40 PVC MAY BE PROVIDED FROM THE CLEANOUT TO THE HOUSE. REFER TO DETAIL S-3 ON SHEET 58.
4. ALL SEWER SERVICE CLEANOUTS LOCATED WITHIN PAVED AREAS (DRIVEWAY OR SIDEWALK) SHALL HAVE TRAFFIC LOAD RATED COVERS PROVIDED, INSTALLED IN ACCORDANCE WITH DETAIL S-11 ON SHEET 58.

SANITARY SEWER LATERAL TABLES FOR *SAVANNAH FARMS*

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS

NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
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17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE AS SHOWN

09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B59-B63	59 OF 63

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CAMDEN SINGLE FAMILY DETACHED - LOTS 202-299

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE	DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
202	37.62	42.62	38.04	44.30	Y	50.33	MH-A-38	Y *	MH-A-35	1+23
203	37.92	42.92	38.36	44.20	Y	50.33	MH-A-38	Y *	MH-A-35	1+89
204	38.22	43.22	38.75	43.90	Y	50.33	MH-A-38	Y *	MH-A-35	2+56
205	38.65	43.65	39.20	44.10	Y	50.60	MH-A-42	Y *	MH-A-38	0+40
206	38.94	43.94	39.39	44.40	Y	50.60	MH-A-42	Y *	MH-A-38	1+03
207	39.26	44.26	39.72	44.40	Y	50.60	MH-A-42	Y *	MH-A-38	1+75
208	39.58	44.58	46.20	53.20	N	50.60	MH-A-42	N	MH-A-38	2+44
209	39.97	44.97	46.20	53.20	N	51.99	MH-A-45	N	MH-A-42	0+38
210	40.23	45.23	40.90	45.40	Y	51.99	MH-A-45	Y *	MH-A-42	0+94
211	40.49	45.49	46.50	53.50	N	51.99	MH-A-45	N	MH-A-42	1+53
212	40.98	45.98	47.00	54.00	N	51.99	MH-A-45	N	MH-A-42	2+01
213	40.99	45.99	47.60	54.60	N	52.48	MH-A-46	N	MH-A-45	0+40
214	41.48	46.48	47.60	54.60	N	52.48	MH-A-46	N	MH-A-45	0+91
215	41.48	46.48	47.10	54.10	N	51.68	MH-A-47	N	MH-A-46	0+36
216	41.72	46.72	46.70	53.70	N	51.68	MH-A-47	N	MH-A-46	0+89
217	42.03	47.03	46.60	53.60	N	50.20	MH-A-48	N	MH-A-47	0+41
218	42.30	47.30	46.10	53.10	N	50.20	MH-A-48	N	MH-A-47	1+01
219	42.57	47.57	45.60	52.60	N	50.20	MH-A-48	N	MH-A-47	1+61
220	42.94	47.94	45.00	52.00	N	48.91	MH-A-49	N	MH-A-48	0+50
221	43.21	48.21	44.90	51.90	N	48.91	MH-A-49	N	MH-A-48	1+10
222	43.47	48.47	44.90	51.90	N	48.91	MH-A-49	N	MH-A-48	1+68
223	44.17	49.17	44.90	51.90	N	48.91	MH-A-50	N	MH-A-49	0+57
224	44.87	49.87	45.49	51.90	N	48.91	MH-A-50	N	MH-A-49	1+00
225	43.82	48.82	45.00	52.00	N	48.91	MH-A-50	N	MH-A-49	0+22
226	43.37	48.37	45.00	52.00	N	48.91	MH-A-49	N	MH-A-48	1+45
227	43.05	48.05	45.30	52.30	N	48.91	MH-A-49	N	MH-A-48	0+75
228	42.78	47.78	45.50	52.50	N	48.91	MH-A-49	N	MH-A-48	0+15
229	42.43	47.43	46.10	53.10	N	50.20	MH-A-48	N	MH-A-47	1+29
230	42.14	47.14	46.60	53.60	N	50.20	MH-A-48	N	MH-A-47	0+66
231	41.88	46.88	46.70	53.70	N	50.20	MH-A-48	N	MH-A-47	0+07
232	40.17	45.17	46.10	53.10	N	51.60	MH-A-43	N	MH-A-42	0+83
233	40.48	45.48	46.60	53.60	N	51.60	MH-A-43	N	MH-A-42	1+50
234	41.03	46.03	46.60	53.60	N	51.60	MH-A-43	N	MH-A-42	2+14
235	41.50	46.50	46.40	53.40	N	49.88	MH-A-44	N	MH-A-43	0+64
236	42.10	47.10	45.90	52.90	N	49.88	MH-A-44	N	MH-A-43	1+24
237	42.70	47.70	45.50	52.50	N	49.88	MH-A-44	N	MH-A-43	1+84
238	43.30	48.30	45.30	52.30	N	49.88	MH-A-44	N	MH-A-43	2+44
239	44.11	49.11	45.30	52.30	N	49.88	MH-A-44	N	MH-A-43	2+98
240	44.11	49.11	45.40	52.40	N	49.88	MH-A-44	N	MH-A-43	2+98
241	43.32	48.32	45.40	52.40	N	49.88	MH-A-44	N	MH-A-43	2+46
242	42.72	47.72	45.70	52.70	N	49.88	MH-A-44	N	MH-A-43	1+86
243	42.12	47.12	46.10	53.10	N	49.88	MH-A-44	N	MH-A-43	1+26
244	41.52	46.52	46.60	53.60	N	49.88	MH-A-44	N	MH-A-43	0+66
245	41.03	46.03	46.60	53.60	N	51.60	MH-A-43	N	MH-A-42	2+14
246	40.49	45.49	46.30	53.30	N	51.60	MH-A-43	N	MH-A-42	1+52
247	40.23	45.23	45.80	52.80	N	51.60	MH-A-43	N	MH-A-42	0+94
248	39.95	44.95	45.90	52.90	N	51.18	MH-A-39	N	MH-A-38	1+03
249	41.16	46.16	46.60	53.60	N	51.80	MH-A-40	N	MH-A-39	0+24
250	41.47	46.47	46.90	53.90	N	51.80	MH-A-40	N	MH-A-39	0+92
251	41.76	46.76	46.90	53.90	N	51.80	MH-A-40	N	MH-A-39	1+57
252	42.34	47.34	46.50	53.50	N	51.42	MH-A-41	N	MH-A-40	0+37
253	42.94	47.94	46.10	53.10	N	51.42	MH-A-41	N	MH-A-40	0+97
254	43.46	48.46	46.10	53.10	N	51.42	MH-A-41	N	MH-A-40	1+50
255	44.19	49.19	46.10	53.10	N	51.42	MH-A-41	N	MH-A-40	1+95
256	44.19	49.19	46.60	53.60	N	51.42	MH-A-41	N	MH-A-40	1+95
257	43.49	48.49	46.30	53.30	N	51.42	MH-A-41	N	MH-A-40	1+52
258	42.91	47.91	46.30	53.30	N	51.42	MH-A-41	N	MH-A-40	0+94
259	42.31	47.31	46.60	53.60	N	51.42	MH-A-41	N	MH-A-40	0+34
260	41.75	46.75	46.80	53.80	N	51.80	MH-A-40	N	MH-A-39	1+55
261	41.47	46.47	46.80	53.80	N	51.80	MH-A-40	N	MH-A-39	0+93
262	41.19	46.19	46.40	53.40	N	51.80	MH-A-40	N	MH-A-39	0+30
263	40.63	45.63	46.40	53.40	N	51.18	MH-A-39	N	MH-A-38	1+50
264	39.58	44.58	46.10	53.10	N	51.18	MH-A-39	N	MH-A-38	0+77
265	36.04	41.04	38.00	45.00	Y	51.69	MH-A-34	Y *	MH-A-17	0+49
266	35.51	40.51	38.00	45.00	Y	51.53	MH-A-18	Y *	MH-A-17	0+26
267	35.84	40.84	37.70	44.70	Y	51.53	MH-A-18	Y *	MH-A-17	1+01
268	36.13	41.13	37.50	44.50	Y	51.53	MH-A-18	Y *	MH-A-17	1+66
269	36.52	41.52	38.00	45.00	Y	52.16	MH-A-19	Y *	MH-A-18	0+58
270	36.79	41.79	38.40	45.40	Y	52.16	MH-A-19	Y *	MH-A-18	1+18
271	37.06	42.06	38.60	45.60	Y	52.16	MH-A-19	Y *	MH-A-18	1+78
272	37.34	42.34	38.60	45.60	Y	52.16	MH-A-19	Y *	MH-A-18	2+41
273	37.88	42.88	38.50	45.10	Y	52.16	MH-A-19	Y *	MH-A-18	3+00
274	37.98	42.98	38.60	44.80	Y	51.47	MH-A-27	Y *	MH-A-19	0+60
275	39.58	44.58	40.19	44.70	Y	50.21	MH-A-31	Y *	MH-A-30	0+05
276	39.85	44.85	40.46	44.90	Y	50.21	MH-A-31	Y *	MH-A-30	0+65
277	40.73	45.73	46.00	53.00	N	50.21	MH-A-31	N	MH-A-30	2+59
278	41.03	46.03	45.60	52.60	N	50.29	MH-A-32	N	MH-A-31	0+05
279	41.31	46.31	45.60	52.60	N	50.29	MH-A-32	N	MH-A-31	0+66
280	42.23	47.23	45.60	52.60	N	50.29	MH-A-32	N	MH-A-31	2+70
281	42.60	47.60	45.40	52.40	N	50.60	MH-A-32A	N	MH-A-32	0+41
282	42.85	47.85	45.20	52.20	N	50.60	MH-A-32A	N	MH-A-32	0+98
283	39.28	44.28	45.90	52.90	N	51.22	MH-A-30	N	MH-A-29	0+70
284	39.59	44.59	46.40	53.40	N	50.21	MH-A-31	N	MH-A-30	0+07
285	39.86	44.86	46.70	53.70	N	50.21	MH-A-31	N	MH-A-30	0+67
286	40.19	45.19	46.70	53.70	N	50.21	MH-A-31	N	MH-A-30	1+40
287	40.41	45.41	46.20	53.20	N	50.21	MH-A-31	N	MH-A-30	1+89
288	40.68	45.68	45.70	52.70	N	50.21	MH-A-31	N	MH-A-30	2+49
289	41.04	46.04	45.70	52.70	N	50.29	MH-A-32	N	MH-A-31	0+06
290	41.30	46.30	45.90	52.90	N	50.29	MH-A-32	N	MH-A-31	0+64
291	41.58	46.58	46.10	53.10	N	50.29	MH-A-32	N	MH-A-31	1+27
292	41.85	46.85	46.10	53.10	N	50.29	MH-A-32	N	MH-A-31	1+87
293	42.15	47.15	45.90	52.90	N	50.29	MH-A-32	N	MH-A-31	2+52
294	42.51	47.51	45.60	52.60	N	50.60	MH-A-32A	N	MH-A-32	0+21
295	42.76	47.76	45.50	52.50	N	50.60	MH-A-32A	N	MH-A-32	0+78
296	43.03	48.03	45.60	52.60	N	50.60	MH-A-32A	N	MH-A-32	1+38
297	43.43	48.43	45.90	52.90	N	49.99	MH-A-33	N	MH-A-32A	0+04
298	44.03	49.03	45.90	52.90	N	49.99	MH-A-33	N	MH-A-32A	0+64
299	44.71	49.71	45.46	52.40	N	49.99	MH-A-33	N	MH-A-32A	1+06

CAMDEN APARTMENTS

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE	DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
APARTMENT 1100	43.57	48.57	44.70	51.70	N	49.70	MH-A-16	N	MH-A-15	0+85
APARTMENT 1200	41.77	46.77	44.90	51.90	N	49.91	MH-A-14	N	MH-A-13	1+15
APARTMENT 2000	41.15	46.15	45.20	52.20	N	50.79	MH-A-8	N	MH-A-7	1+01
APARTMENT 2100	34.43	39.43	36.20	43.20	Y	50.83	MH-A-9	Y *	MH-A-7	1+15
APARTMENT 2200	42.89	47.89	45.20	52.20	N	50.84	MH-A-10	N	MH-A-9	0+42
APARTMENT 3000	41.70	46.70	44.20	51.20	N	49.22	MH-A-21	N	MH-A-20	1+17
APARTMENT 3100	41.70	46.70	44.00	51.00	N	49.56	MH-A-22	N	MH-A-21	1+17
APARTMENT 3200	43.60	48.60	44.00	51.00	N	49.57	MH-A-26	N	MH-A-25	1+80
APARTMENT 3300	43.60	48.60	44.83	51.20	N	48.93	MH-A-25	N	MH-A-24	1+80
APARTMENT 4000	42.17	47.17	42.70	49.70	N	48.20	MH-A-3	N	MH-A-2	1+24
APT. CLUBHOUSE	32.71	37.71	34.30	41.30	Y	48.13	MH-A-4	Y *	MH-A-2	0+93

NOTES:
1. ALL SANITARY SEWER MAIN AND SERVICE LATERAL PVC PIPE MATERIAL SHALL BE PVC SDR-26, EXCEPT WHERE DEPTH EXCEEDS 14 FEET, MAINS SHALL BE DIP CL-50.
2. ANY PORTION OF A GRAVITY SANITARY SEWER LATERAL LOCATED WITHIN A PUBLIC RIGHT-OF-WAY MUST BE 6" DIAMETER SDR-26 AND HAVE A MINIMUM SLOPE OF 2.0%.
3. SCHEDULE 40 PVC MAY BE PROVIDED FROM THE CLEANOUT TO THE HOUSE. REFER TO DETAIL S-3 ON SHEET 58.
4. ALL SEWER SERVICE CLEANOUTS LOCATED WITHIN PAVED AREAS (DRIVEWAY OR SIDEWALK) SHALL HAVE TRAFFIC LOAD RATED COVERS PROVIDED, INSTALLED IN ACCORDANCE WITH DETAIL S-11 ON SHEET 58.

SANITARY SEWER LATERAL TABLES FOR *SAVANNAH FARMS*

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE AS SHOWN

MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B59-B63	60 OF 63

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CAMDEN TOWNHOMES - LOTS 300-576

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE	DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
300	39.07	44.07	40.50	47.50	Y	55.20	MH-C-23	Y *	MH-C-20	0+75
301	39.00	44.00	40.50	47.50	Y	55.20	MH-C-23	Y *	MH-C-20	0+51
302	38.93	43.93	39.80	46.80	Y	55.20	MH-C-23	Y *	MH-C-20	0+27
303	39.03	44.03	39.80	46.80	Y	54.04	MH-C-20	Y *	MH-C-17	3+00
304	38.64	43.64	39.80	46.80	Y	54.04	MH-C-20	Y *	MH-C-17	2+57
305	38.57	43.57	39.80	46.80	Y	54.04	MH-C-20	Y *	MH-C-17	2+33
306	38.50	43.50	39.80	46.80	Y	54.04	MH-C-20	Y *	MH-C-17	2+09
307	38.44	43.44	39.80	46.80	Y	54.04	MH-C-20	Y *	MH-C-17	1+85
308	38.36	43.36	39.80	46.80	Y	54.04	MH-C-20	Y *	MH-C-17	1+57
309	38.24	43.24	39.90	46.90	Y	54.04	MH-C-20	Y *	MH-C-17	1+15
310	38.17	43.17	39.90	46.90	Y	54.04	MH-C-20	Y *	MH-C-17	0+91
311	38.11	43.11	39.90	46.90	Y	54.04	MH-C-20	Y *	MH-C-17	0+67
312	38.03	43.03	39.90	46.90	Y	54.04	MH-C-20	Y *	MH-C-17	0+39
313	37.69	42.69	38.90	45.90	Y	53.61	MH-C-17	Y *	MH-C-16	1+48
314	37.68	42.68	38.90	45.90	Y	53.61	MH-C-17	Y *	MH-C-16	1+43
315	37.59	42.59	38.90	45.90	Y	53.61	MH-C-17	Y *	MH-C-16	1+12
316	37.49	42.49	38.90	45.90	Y	53.61	MH-C-17	Y *	MH-C-16	0+76
317	37.47	42.47	38.20	45.20	Y	53.61	MH-C-17	Y *	MH-C-16	0+69
318	37.36	42.36	38.20	45.20	Y	53.61	MH-C-17	Y *	MH-C-16	0+28
319	36.46	41.46	38.00	45.00	Y	52.68	MH-C-13	Y *	MH-A-12	1+73
320	36.39	41.39	38.00	45.00	Y	52.68	MH-C-13	Y *	MH-A-12	1+49
321	36.32	41.32	38.00	45.00	Y	52.68	MH-C-13	Y *	MH-A-12	1+25
322	36.26	41.26	38.00	45.00	Y	52.68	MH-C-13	Y *	MH-A-12	1+01
323	36.18	41.18	38.00	45.00	Y	52.68	MH-C-13	Y *	MH-A-12	0+73
324	36.06	41.06	37.70	44.70	Y	52.68	MH-C-13	Y *	MH-A-12	0+31
325	35.99	40.99	37.70	44.70	Y	52.68	MH-C-13	Y *	MH-A-12	0+07
326	35.85	40.85	37.70	44.70	Y	51.28	MH-C-12	Y *	MH-C-4	0+67
327	35.78	40.78	37.70	44.70	Y	51.28	MH-C-12	Y *	MH-C-4	0+41
328	44.20	49.20	46.10	53.10	N	50.99	MH-C-5	N	MH-C-4	0+76
329	44.18	49.18	46.10	53.10	N	53.07	MH-C-6	N	MH-C-5	0+34
330	44.29	49.29	46.10	53.10	N	53.07	MH-C-6	N	MH-C-5	0+58
331	44.40	49.40	46.80	53.80	N	53.07	MH-C-6	N	MH-C-5	0+82
332	44.54	49.54	46.80	53.80	N	53.07	MH-C-6	N	MH-C-5	1+14
333	46.99	51.99	47.71	54.70	N	52.73	MH-C-7	N	MH-C-6	0+52
334	46.45	51.45	47.70	54.70	N	52.73	MH-C-7	N	MH-C-6	0+44
335	45.63	50.63	47.70	54.70	N	52.73	MH-C-7	N	MH-C-6	0+20
336	44.98	49.98	48.10	55.10	N	55.25	MH-C-8	Y	MH-C-6	0+10
337	45.17	50.17	48.60	55.60	N	55.25	MH-C-8	N	MH-C-6	0+52
338	45.28	50.28	48.60	55.60	N	55.25	MH-C-8	N	MH-C-6	0+76
339	45.38	50.38	49.30	56.30	N	55.25	MH-C-8	N	MH-C-6	1+00
340	45.51	50.51	49.30	56.30	N	55.25	MH-C-8	N	MH-C-6	1+28
341	45.70	50.70	49.60	56.60	N	55.25	MH-C-8	N	MH-C-6	1+70
342	45.81	50.81	49.60	56.60	N	55.25	MH-C-8	N	MH-C-6	1+94
343	45.92	50.92	49.60	56.60	N	55.25	MH-C-8	N	MH-C-6	2+18
344	46.02	51.02	49.60	56.60	N	55.25	MH-C-8	N	MH-C-6	2+42
345	46.15	51.15	50.30	57.30	N	55.25	MH-C-8	N	MH-C-6	2+70
346	44.55	49.55	49.00	56.00	N	53.07	MH-C-6	N	MH-C-5	1+16
347	44.39	49.39	49.00	56.00	N	53.07	MH-C-6	N	MH-C-5	0+80
348	44.30	49.30	48.30	55.30	N	53.07	MH-C-6	N	MH-C-5	0+60
349	44.21	49.21	48.30	55.30	N	53.07	MH-C-6	N	MH-C-5	0+40
350	44.17	49.17	48.30	55.30	N	53.07	MH-C-6	N	MH-C-5	0+31
351	44.20	49.20	47.60	54.60	N	50.99	MH-C-5	N	MH-C-3	0+76
352	46.69	51.69	47.80	54.80	N	52.93	MH-C-14	N	MH-C-13	0+62
353	46.87	51.87	47.80	54.80	N	54.45	MH-C-15	N	MH-C-14	0+34
354	47.07	52.07	48.50	55.50	N	54.45	MH-C-15	N	MH-C-14	0+54
355	47.27	52.27	48.50	55.50	N	54.45	MH-C-15	N	MH-C-14	0+74
356	47.56	52.56	48.70	55.70	N	54.45	MH-C-15	N	MH-C-14	1+03
357	47.89	52.89	48.70	55.70	N	54.45	MH-C-15	N	MH-C-14	1+36
358	48.09	53.09	49.40	56.40	N	54.45	MH-C-15	N	MH-C-14	1+56
359	48.40	53.40	49.40	56.40	N	54.45	MH-C-15	N	MH-C-14	1+61
360	36.83	41.83	39.90	46.90	Y	52.23	MH-C-16	Y *	MH-C-13	0+67
361	36.92	41.92	39.90	46.90	Y	52.23	MH-C-16	Y *	MH-C-13	1+00
362	36.97	41.97	39.90	46.90	Y	52.23	MH-C-16	Y *	MH-C-13	1+20
363	37.03	42.03	39.90	46.90	Y	52.23	MH-C-16	Y *	MH-C-13	1+40
364	37.09	42.09	39.90	46.90	Y	52.23	MH-C-16	Y *	MH-C-13	1+60
365	37.15	42.15	39.90	46.90	Y	52.23	MH-C-16	Y *	MH-C-13	1+82
366	37.35	42.35	40.20	47.20	Y	53.61	MH-C-17	Y *	MH-C-16	0+26
367	37.39	42.39	40.20	47.20	Y	53.61	MH-C-17	Y *	MH-C-16	0+39
368	37.48	42.48	40.20	47.20	Y	53.61	MH-C-17	Y *	MH-C-16	0+71
369	37.50	42.50	40.90	47.90	Y	53.61	MH-C-17	Y *	MH-C-16	0+78
370	37.58	42.58	40.90	47.90	Y	53.61	MH-C-17	Y *	MH-C-16	1+08
371	37.61	42.61	40.90	47.90	Y	53.61	MH-C-17	Y *	MH-C-16	1+18
372	47.88	52.88	51.40	58.40	N	56.31	MH-C-10	N	MH-C-9	0+59
373	47.77	52.77	51.40	58.40	N	56.31	MH-C-10	N	MH-C-9	0+34
374	47.75	52.75	51.40	58.40	N	56.31	MH-C-10	N	MH-C-9	0+30
375	47.64	52.64	51.40	58.40	N	56.31	MH-C-10	N	MH-C-9	0+06
376	47.44	52.44	51.40	58.40	N	56.14	MH-C-9	N	MH-C-8	2+44
377	47.31	52.31	51.40	58.40	N	56.14	MH-C-9	N	MH-C-8	2+15
378	47.21	52.21	51.40	58.40	N	56.14	MH-C-9	N	MH-C-8	1+92
379	47.04	52.04	51.40	58.40	N	56.14	MH-C-9	N	MH-C-8	1+54
380	46.95	51.95	51.40	58.40	N	56.14	MH-C-9	N	MH-C-8	1+34
381	46.85	51.85	51.40	58.40	N	56.14	MH-C-9	N	MH-C-8	1+12
382	46.82	51.82	50.70	57.70	N	56.14	MH-C-9	N	MH-C-8	1+05
383	46.72	51.72	50.70	57.70	N	56.14	MH-C-9	N	MH-C-8	0+84
384	46.61	51.61	50.30	57.30	N	56.14	MH-C-9	N	MH-C-8	0+60
385	46.71	51.71	50.30	57.30	N	56.14	MH-C-9	N	MH-C-8	0+82
386	46.83	51.83	51.00	58.00	N	56.14	MH-C-9	N	MH-C-8	1+07
387	46.94	51.94	51.00	58.00	N	56.14	MH-C-9	N	MH-C-8	1+32
388	47.04	52.04	51.00	58.00	N	56.14	MH-C-9	N	MH-C-8	1+56
389	47.18	52.18	51.70	58.70	N	56.14	MH-C-9	N	MH-C-8	1+87
390	47.32	52.32	51.80	58.80	N	56.14	MH-C-9	N	MH-C-8	2+17
391	47.45	52.45	51.10	58.10	N	56.14	MH-C-9	N	MH-C-8	2+46
392	47.66	52.66	51.10	58.10	N	56.31	MH-C-10	N	MH-C-9	0+10
393	47.77	52.77	51.10	58.10	N	56.31	MH-C-10	N	MH-C-9	0+36
394	47.88	52.88	50.40	57.40	N	56.31	MH-C-10	N	MH-C-9	0+60
395	48.00	53.00	50.40	57.40	N	56.31	MH-C-10	N	MH-C-9	0+86
396	48.36	53.36	50.40	57.40	N	56.31	MH-C-10	N	MH-C-9	1+66
397	48.47	53.47	50.40	57.40	N	56.31	MH-C-10	N	MH-C-9	1+90
398	48.57	53.57	50.40	57.40	N	56.31	MH-C-10	N	MH-C-9	2+14
399	48.68	53.68	51.10	58.10	N	56.31	MH-C-10	N	MH-C-9	2+38

CAMDEN TOWNHOMES - LOTS 300-576

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE	DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
400	48.81	53.81	51.10	58.10	N	56.31	MH-C-10	N	MH-C-9	2+66
401	49.43	54.43	51.30	58.30	N	57.10	MH-C-11	N	MH-C-10	0+25
402	49.85	54.85	51.30	58.30	N	57.10	MH-C-11	N	MH-C-10	0+49
403	50.28	55.28	51.30	58.30	N	57.10	MH-C-11	N	MH-C-10	0+73
404	50.70	55.70	52.00	59.00	N	57.10	MH-C-11	N	MH-C-10	0+97
405	51.37	56.37	52.01	59.00	N	57.10	MH-C-11	N	MH-C-10	1+20
406	48.74	53.74	51.50	58.50	N	55.35	MH-C-19	N	MH-C-18	1+86
407	48.27	53.27	51.50	58.50	N	55.35	MH-C-19	N	MH-C-18	1+69
408	48.03	53.03	51.50	58.50	N	55.35	MH-C-19	N	MH-C-18	1+49
409	47.79	52.79	50.80	57.80	N	55.35	MH-C-19	N	MH-C-18	1+29
410	47.54	52.54	50.80	57.80	N	55.35	MH-C-19	N	MH-C-18	1+09
411	47.18	52.18	50.60	57.60	N	55.35	MH-C-19	N	MH-C-18	0+79
412	46.79	51.79	50.60	57.60	N	55.35	MH-C-19	N	MH-C-18	0+47
413	46.55	51.55	50.60	57.60	N	55.35	MH-C-19	N	MH-C-18	0+27
414	46.31	51.31	49.90	56.90	N	55.35	MH-C-19	N	MH-C-18	0+07
415	46.07	51.07	49.90	56.90	N	53.87	MH-C-18	N	MH-C-17	0+59
416	48.20	53.20	49.90	56.90	N	54.41	MH-C-21	N	MH-C-20	0+70
417	48.60	53.60	49.90	56.90	N	56.17	MH-C-22	N	MH-C-21	0+26
418	48.80	53.80	49.90	56.90	N	56.17	MH-C-22	N	MH-C-21	0+46
419	49.00	54.00	50.60	57.60	N	56.17	MH-C-22	N	MH-C-21	0+66
420	49.20	54.20	50.60	57.60	N	56.17	MH-C-22	N	MH-C-21	0+86
421	49.59	54.59	51.10	58.10	N	56.17	MH-C-22	N	MH-C-21	1+25
422	49.82	54.82	51.10	58.10	N	56.17	MH-C-22	N	MH-C-21	1+48
423	50.02	55.02	51.10	58.10	N	56.17	MH-C-22	N	MH-C-21	1+68
424	50.22	55.22	51.10	58.10	N	56.17	MH-C-22	N	MH-C-21	1+88
425	50.58	55.58	51.80	58.80	N	56.17	MH-C-22	N	MH-C-21	1+97
426	50.73	55.73	51.90	58.90	N	56.76	MH-C-29	N	MH-C-28	1+19
427	50.24	55.24	51.90	58.90	N	56.76	MH-C-29	N	MH-C-28	0+97
428	50.00	55.00	51.20	58.20	N	56.76	MH-C-29	N	MH-C-28	0+73
429	49.76	54.76	51.20	58.20	N	56.76	MH-C-29	N	MH-C-28	0+49
430	49.48	54.48	51.20	58.20	N	56.76	MH-C-29	N	MH-C-28	0+21
431	48.86	53.86	50.80	57.80	N	55.91	MH-C-28	N	MH-C-27	1+34
432	48.75	53.75	50.10	57.10	N	55.91	MH-C-28	N	MH-C-27	1+10
433	48.64	53.64	50.10	57.10	N	55.91	MH-C-28	N	MH-C-27	0+86
434	48.54	53.54	49.40	56.40	N	55.91	MH-C-28	N	MH-C-27	0+62
435	48.41	53.41	49.40	56.40	N	55.91	MH-C-28	N	MH-C-27	0+34
436	44.78	49.78	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	2+55
437	44.64	49.64	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	2+22
438	44.55	49.55	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	2+02
439	44.46	49.46	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	1+82
440	44.37	49.37	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	1+62
441	44.28	49.28	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	1+42
442	44.15	49.15	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	1+13
443	44.00	49.00	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	0+80
444	43.91	48.91	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	0+60
445	43.82	48.82	49.80	56.80	N	54.28	MH-C-26	N	MH-C-25	0+40
446	43.73	48.73	49.10	56.10	N	54.28	MH-C-26	N	MH-C-25	0+20
447	43.81	48.81	49.10	56.10	N	54.10	MH-C-25	N	MH-C-24	0+66
448	41.20	46.20	48.10	55.10	N	52.35	MH-C-34	N	MH-C-24	1+85
449	41.31	46.31	48.10	55.10	N	52.35	MH-C-34	N	MH-C-24	2+09
450	41.53	46.53	48.10	55.10	N	53.01	MH-C-35	N	MH-C-34	0+06
451	41.63	46.63	48.10	55.10	N	53.01	MH-C-35	N	MH-C-34	0+29
452	41.75	46.75	48.20	55.20	N	53.01	MH-C-35	N	MH-C-34	0+55
453	41.86	46.86	48.20	55.20	N	53.01	MH-C-35	N	MH-C-34	0+79
454	41.96	46.96	48.20	55.20	N	53.01	MH-C-35	N	MH-C-34	1+01
455	42.07	47.07	48.20	55.20	N	53.01	MH-C-35	N	MH-C-34	1+25
456	42.27	47.27	48.70	55.70	N	53.01	MH-C-35	N	MH-C-34	1+71
457	42.33	47.33	48.70	55.70	N	53.01	MH-C-35	N	MH-C-34	1+84
458	42.47	47.47	48.70	55.70	N	53.01	MH-C-35	N	MH-C-34	2+14
459	42.57	47.57	48.70	55.70	N	53.01	MH-C-35	N	MH-C-34	2+36
460	46.87	51.87	49.10	56.10	N	54.91	MH-C-37	N	MH-C-36	1+34
461	47.20	52.20	49.10	56.10	N	54.91	MH-C-37	N	MH-C-36	1+56
462	47.64	52.64	49.10	56.10	N	54.91	MH-C-37	N	MH-C-36	1+86
463	47.41	52.41	50.00	57.00	N	55.28	MH-C-31	N	MH-C-30	2+49
464	47.30	52.30	50.00	57.00	N	55.28	MH-C-31	N	MH-C-30	2+24
465	47.26	52.26	50.00	57.00	N	55.28	MH-C-31	N	MH-C-30	2+16
466	47.13	52.13	50.00	57.00	N	55.28	MH-C-31	N	MH-C-30	1+87
467	46.95	51.95	49.50	56.50	N	55.28	MH-C-31	N	MH-C-30	1+46
468	46.85	51.85	49.50	56.50	N	55.28	MH-C-31	N	MH-C-30	1+24
469	46.75	51.75	49.50	56.50	N	55.28	MH-C-31	N	MH-C-30	1+02
470	46.71	51.71	49.50	56.50	N	55.28	MH-C-31	N	MH-C-30	0+94
471	46.49	51.49	48.80	55.80	N	55.28	MH-C-31	N	MH-C-30	0+44
472	46.38	51.38	48.80	55.80	N	55.28	MH-C-31	N	MH-C-30	0+20
473	47.44	52.44	48.80	55.80	N	53.38	MH-C-30	N	MH-C-26	2+03
474	46.16	51.16	48.80	55.80	N	53.38	MH-C-30	N	MH-C-26	1+96
475	45.43	50.43	49.40	56.40	N	53.38	MH-C-30	N	MH-C-26	0+34
476	45.54	50.54	49.40	56.40	N	53.38	MH-C-30	N	MH-C-26	0+58
477	45.65	50.65	48.70	55.70	N	53.38	MH-C-30	N	MH-C-26	0+82
478	45.76	50.76	48.70	55.70	N	53.38	MH-C-30	N	MH-C-26	1+06
479	45.87	50.87	48.70	55.70	N	53.38	MH-C-30	N	MH-C-26	1+30
480	45.99	50.99	48.70	55.70	N	53.38	MH-C-30	N	MH-C-26	1+58
481	46.17	51.17	48.80	55.80	N	53.38	MH-C-30	N	MH-C-26	1+98
482	46.39	51.39	49.10	56.10	N	55.28	MH-C-31	N	MH-C-30	0+22
483	46.50	51.50	49.10	56.10	N	55.28	MH-C-31	N	MH-C-30	0+46
484	46.62	51.62	49.10	56.10	N	55.28	MH-C-31	N	MH-C-30	0+72
485	46.72	51.72	49.10	56.10	N	55.28	MH-C-31	N	MH-C-30	0+96
486	46.84	51.84	49.10	56.10	N	55.28	MH-C-31	N	MH-C-30	1+22
487	47.04	52.04	49.10	56.10	N	55.28	MH-C-31	N	MH-C-30	1+65
488	47.13	52.13	49.80	56.80	N	55.28	MH-C-31	N	MH-C-30	1+85
489	47.25	52.25	49.80	56.80	N	55.28	MH-C-31	N	MH-C-30	2+14
490	47.41	52.41	49.80	56.80	N	55.28	MH-C-31	N	MH-C-30	2+48
491	47.61	52.61	49.80	56.80	N	54.63	MH-C-32	N	MH-C-31	0+15
492	47.64	52.64	50.50	57.50	N	54.63	MH-C-32	N	MH-C-31	0+20
493	49.46	54.46	50.10	57.10	N	54.91	MH-C-37	N	MH-C-36	2+93
494	48.95	53.95	50.10	57.10	N	54.91	MH-C-37	N	MH-C-36	2+76
495	48.65	53.65	49.40	56.40	N	54.91	MH-C-37	N	MH-C-36	2+56
496	48.36	53.36	49.40	56.40	N	54.91	MH-C-37	N	MH-C-36	2+36
497	47.80	52.80	49.30	56.30	N	54.91	MH-C-37	N	MH-C-36	1+98
498	47.66	52.66	49.30	56.30	N	54.91	MH-C-37	N	MH-C-36	1+88
499	47.17	52.17	49.30	56.30	N	54.91	MH-C-37	N	MH-C-36	1+54

NOTES:
1. ALL SANITARY SEWER MAIN AND SERVICE LATERAL PVC PIPE MATERIAL SHALL BE PVC SDR-26, EXCEPT WHERE DEPTH EXCEEDS 14 FEET, MAINS SHALL BE DIP CL-50.
2. ANY PORTION OF A GRAVITY SANITARY SEWER LATERAL LOCATED WITHIN A PUBLIC RIGHT-OF-WAY MUST BE 6" DIAMETER SDR-26 AND HAVE A MINIMUM SLOPE OF 2.0%.
3. SCHEDULE 40 PVC MAY BE PROVIDED FROM THE CLEANOUT TO THE HOUSE. REFER TO DETAIL S-3 ON SHEET 58.
4. ALL SEWER SERVICE CLEANOUTS LOCATED WITHIN PAVED AREAS (DRIVEWAY OR SIDEWALK) SHALL HAVE TRAFFIC LOAD RATED COVERS PROVIDED, INSTALLED IN ACCORDANCE WITH DETAIL S-11 ON SHEET 58.

SANITARY SEWER LATERAL TABLES FOR *SAVANNAH FARMS*

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
SUITE 6
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(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE AS SHOWN

MICHAEL J. KARINS No. 15284 DELAWARE PROFESSIONAL ENGINEER
09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B59-B63	61 OF 63

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CAMDEN TOWNHOMES - LOTS 300-576

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE		DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
500	46.84	51.84	48.60	55.60	N	54.91	MH-C-37	N		MH-C-36	1+32
501	46.82	51.82	48.60	55.60	N	54.91	MH-C-37	N		MH-C-36	1+30
502	46.17	51.17	48.50	55.50	N	54.91	MH-C-37	N		MH-C-36	0+85
503	45.67	50.67	48.50	55.50	N	54.91	MH-C-37	N		MH-C-36	0+51
504	45.52	50.52	48.50	55.50	N	54.91	MH-C-37	N		MH-C-36	0+41
505	45.10	50.10	47.80	54.80	N	54.91	MH-C-37	Y		MH-C-36	0+12
506	44.68	49.68	47.50	54.50	N	51.69	MH-C-40	N		MH-C-39	0+80
507	44.90	49.90	47.50	54.50	N	53.13	MH-C-41	N		MH-C-40	0+14
508	45.04	50.04	47.50	54.50	N	53.13	MH-C-41	N		MH-C-40	0+45
509	45.07	50.07	48.20	55.20	N	53.13	MH-C-41	N		MH-C-40	0+52
510	45.21	50.21	48.20	55.20	N	53.13	MH-C-41	N		MH-C-40	0+84
511	45.31	50.31	48.20	55.20	N	53.13	MH-C-41	N		MH-C-40	1+05
512	45.43	50.43	48.60	55.60	N	53.13	MH-C-41	N		MH-C-40	1+31
513	45.54	50.54	48.60	55.60	N	53.13	MH-C-41	N		MH-C-40	1+56
514	45.67	50.67	48.60	55.60	N	53.13	MH-C-41	N		MH-C-40	1+86
515	45.77	50.77	49.30	56.30	N	53.13	MH-C-41	N		MH-C-40	2+07
516	45.80	50.80	49.30	56.30	N	53.13	MH-C-41	N		MH-C-40	2+13
517	46.20	51.20	49.30	56.30	N	53.72	MH-C-42	N		MH-C-41	0+21
518	47.97	52.97	50.70	57.70	N	54.63	MH-C-32	N		MH-C-31	0+95
519	48.08	53.08	50.00	57.00	N	54.63	MH-C-32	N		MH-C-31	1+19
520	48.19	53.19	50.00	57.00	N	54.63	MH-C-32	N		MH-C-31	1+43
521	48.30	53.30	50.00	57.00	N	54.63	MH-C-32	N		MH-C-31	1+67
522	48.40	53.40	49.30	56.30	N	54.63	MH-C-32	N		MH-C-31	1+91
523	48.68	53.68	49.30	56.30	N	54.20	MH-C-33	N		MH-C-32	0+09
524	49.07	54.07	49.71	56.20	N	54.20	MH-C-33	N		MH-C-32	0+48
525	49.47	54.47	50.12	56.20	N	54.20	MH-C-33	N		MH-C-32	0+61
526	49.47	54.47	50.42	56.20	N	54.20	MH-C-33	N		MH-C-32	0+61
527	47.08	52.08	49.20	56.20	N	53.72	MH-C-42	N		MH-C-41	0+82
528	47.08	52.08	48.60	55.60	N	53.72	MH-C-42	N		MH-C-41	0+82
529	46.68	51.68	48.20	55.20	N	53.72	MH-C-42	N		MH-C-41	0+70
530	46.46	51.46	48.20	55.20	N	53.72	MH-C-42	N		MH-C-41	0+48
531	46.24	51.24	48.20	55.20	N	53.72	MH-C-42	N		MH-C-41	0+25
532	46.15	51.15	48.20	55.20	N	53.13	MH-C-41	N		MH-C-40	2+34
533	45.80	50.80	48.20	55.20	N	53.13	MH-C-41	N		MH-C-40	2+15
534	45.66	50.66	47.80	54.80	N	53.13	MH-C-41	N		MH-C-40	1+83
535	45.53	50.53	47.10	54.10	N	53.13	MH-C-41	N		MH-C-40	1+54
536	45.42	50.42	47.10	54.10	N	53.13	MH-C-41	N		MH-C-40	1+30
537	45.30	50.30	47.10	54.10	N	53.13	MH-C-41	N		MH-C-40	1+03
538	45.20	50.20	47.10	54.10	N	53.13	MH-C-41	N		MH-C-40	0+82
539	45.06	50.06	46.40	53.40	N	53.13	MH-C-41	N		MH-C-40	0+50
540	44.89	49.89	46.40	53.40	N	53.13	MH-C-41	N		MH-C-40	0+12
541	44.71	49.71	46.40	53.40	N	51.69	MH-C-40	N		MH-C-39	0+87
542	44.59	49.59	46.40	53.40	N	51.69	MH-C-40	N		MH-C-39	0+59
543	44.52	49.52	45.71	52.70	N	51.69	MH-C-40	N		MH-C-39	0+43
544	44.39	49.39	45.77	52.70	N	51.69	MH-C-40	N		MH-C-39	0+15
545	44.49	49.49	45.69	52.60	N	51.17	MH-C-39	N		MH-C-38	0+73
546	44.11	49.11	46.30	53.30	N	51.17	MH-C-39	N		MH-C-38	0+49
547	44.01	49.01	46.30	53.30	N	51.17	MH-C-39	N		MH-C-38	0+26
548	44.06	49.06	46.30	53.30	N	51.67	MH-C-38	N		MH-C-35	1+93
549	43.72	48.72	46.30	53.30	N	51.67	MH-C-38	N		MH-C-35	1+78
550	43.54	48.54	46.60	53.60	N	51.67	MH-C-38	N		MH-C-35	1+36
551	43.43	48.43	47.30	54.30	N	51.67	MH-C-38	N		MH-C-35	1+12
552	43.32	48.32	47.30	54.30	N	51.67	MH-C-38	N		MH-C-35	0+88
553	43.21	48.21	47.30	54.30	N	51.67	MH-C-38	N		MH-C-35	0+64
554	43.09	48.09	47.30	54.30	N	51.67	MH-C-38	N		MH-C-35	0+36
555	42.80	47.80	48.00	55.00	N	53.01	MH-C-35	N		MH-C-34	2+87
556	42.69	47.69	48.00	55.00	N	53.01	MH-C-35	N		MH-C-34	2+63
557	42.58	47.58	48.00	55.00	N	53.01	MH-C-35	N		MH-C-34	2+39
558	42.48	47.48	48.00	55.00	N	53.01	MH-C-35	N		MH-C-34	2+16
559	42.31	47.31	48.00	55.00	N	53.01	MH-C-35	N		MH-C-34	1+79
560	42.18	47.18	47.60	54.60	N	53.01	MH-C-35	N		MH-C-34	1+51
561	42.06	47.06	47.60	54.60	N	53.01	MH-C-35	N		MH-C-34	1+23
562	41.95	46.95	47.60	54.60	N	53.01	MH-C-35	N		MH-C-34	0+99
563	41.84	46.84	47.60	54.60	N	53.01	MH-C-35	N		MH-C-34	0+75
564	41.71	46.71	46.90	53.90	N	53.01	MH-C-35	N		MH-C-34	0+45
565	41.30	46.30	47.40	54.40	N	52.35	MH-C-34	N		MH-C-24	2+07
566	41.19	46.19	47.40	54.40	N	52.35	MH-C-34	N		MH-C-24	1+83
567	41.09	46.09	47.40	54.40	N	52.35	MH-C-34	N		MH-C-24	1+61
568	40.99	45.99	47.40	54.40	N	52.35	MH-C-34	N		MH-C-24	1+37
569	40.88	45.88	41.50	46.10	Y	52.35	MH-C-34	Y	*	MH-C-24	1+13
570	40.75	45.75	41.37	46.10	Y	52.35	MH-C-34	Y	*	MH-C-24	0+85
571	40.56	45.56	41.18	46.60	Y	52.35	MH-C-34	Y	*	MH-C-24	0+43
572	40.46	45.46	41.08	46.60	Y	52.35	MH-C-34	Y	*	MH-C-24	0+19
573	40.25	45.25	40.87	46.60	Y	53.95	MH-C-24	Y	*	MH-C-23	1+72
574	40.14	45.14	40.76	46.60	Y	53.95	MH-C-24	Y	*	MH-C-23	1+48
575	40.03	45.03	40.65	47.30	Y	53.95	MH-C-24	Y	*	MH-C-23	1+24
576	39.91	44.91	40.53	47.30	Y	53.95	MH-C-24	Y	*	MH-C-23	0+96

WYOMING SINGLE FAMILY DETACHED - LOTS 1-93

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE		DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
1	39.38	44.38	45.90	52.90	N	50.71	MH-B-63	N		MH-B-62	0+97
2	39.74	44.74	46.00	53.00	N	50.71	MH-B-63	N		MH-B-62	1+77
3	40.14	45.14	46.00	53.00	N	49.76	MH-B-64	N		MH-B-63	0+11
4	42.20	47.20	43.60	50.60	N	49.10	MH-B-66	N		MH-B-65	0+62
5	42.79	47.79	44.10	51.10	N	49.84	MH-B-67	N		MH-B-66	0+52
6	43.14	48.14	44.60	51.60	N	50.29	MH-B-68	N		MH-B-67	0+19
7	43.57	48.57	45.00	52.00	N	50.00	MH-B-69	N		MH-B-68	0+13
8	44.26	49.26	44.90	51.60	N	50.00	MH-B-69	N		MH-B-68	0+56
9	45.01	50.01	45.74	51.90	N	49.74	MH-B-71	N		MH-B-70	1+50
10	44.04	49.04	44.90	51.90	N	49.74	MH-B-71	N		MH-B-70	0+93
11	42.66	47.66	45.20	52.20	N	49.99	MH-B-78	N		MH-B-77	0+39
12	42.22	47.22	45.40	52.40	N	50.21	MH-B-77	N		MH-B-76	2+14
13	41.86	46.86	45.40	52.40	N	50.21	MH-B-77	N		MH-B-76	1+35
14	41.54	46.54	46.00	53.00	N	50.21	MH-B-77	N		MH-B-76	0+63
15	41.07	46.07	46.00	53.00	N	51.08	MH-B-76	N		MH-B-75	2+32
16	40.72	45.72	45.70	52.70	N	51.08	MH-B-76	N		MH-B-75	1+53
17	40.38	45.38	45.10	52.10	N	51.08	MH-B-76	N		MH-B-75	0+78
18	39.90	44.90	44.80	51.80	N	49.31	MH-B-75	N		MH-B-74	2+00
19	39.57	44.57	44.20	51.20	N	49.31	MH-B-75	N		MH-B-74	1+28
20	39.22	44.22	43.50	50.50	N	49.31	MH-B-75	N		MH-B-74	0+49
21	37.63	42.63	44.50	51.50	N	50.22	MH-B-83	N		MH-B-82	0+93
22	37.99	42.99	44.60	51.60	N	50.22	MH-B-68	N		MH-B-67	1+71
23	39.31	44.31	44.10	51.10	N	48.96	MH-B-84	N		MH-B-83	1+90
24	39.67	44.67	44.10	51.10	N	48.96	MH-B-84	N		MH-B-83	2+69
25	40.08	45.08	43.90	50.90	N	48.51	MH-B-85	N		MH-B-84	0+40
26	40.45	45.45	43.50	50.50	N	48.10	MH-B-86	N		MH-B-85	0+41
27	40.82	45.82	43.50	50.50	N	48.35	MH-B-87	N		MH-B-86	0+43
28	41.44	46.44	44.10	51.10	N	48.95	MH-B-88	N		MH-B-87	0+44
29	42.12	47.12	44.70	51.70	N	48.95	MH-B-88	N		MH-B-87	0+85
30	37.95	42.95	44.40	51.40	N	50.22	MH-B-83	N		MH-B-82	1+62
31	37.55	42.55	44.10	51.10	N	50.22	MH-B-83	N		MH-B-82	0+73
32	37.05	42.05	43.90	50.90	N	48.30	MH-B-82	N		MH-B-81	1+85
33	36.66	41.66	43.40	50.40	N	48.30	MH-B-82	N		MH-B-81	1+00
34	36.28	41.28	36.78	41.70	Y	48.30	MH-B-82	Y	*	MH-B-81	0+14
35	35.76	40.76	36.22	41.80	Y	47.80	MH-B-81	Y	*	MH-B-80	1+18
36	35.39	40.39	35.87	41.80	Y	47.80	MH-B-81	Y	*	MH-B-80	0+35
37	39.15	44.15	43.70	50.70	N	49.31	MH-B-75	N		MH-B-74	0+35
38	39.54	44.54	44.40	51.40	N	49.31	MH-B-75	N		MH-B-74	1+22
39	40.20	45.20	44.60	51.60	N	49.31	MH-B-75	N		MH-B-74	2+08
40	40.43	45.43	45.30	52.30	N	51.08	MH-B-76	N		MH-B-75	0+89
41	40.81	45.81	45.40	52.40	N	51.08	MH-B-76	N		MH-B-75	1+74
42	41.90	46.90	45.30	52.30	N	50.21	MH-B-77	N		MH-B-76	1+43
43	42.28	47.28	45.50	52.50	N	50.21	MH-B-77	N		MH-B-76	2+29
44	42.70	47.70	45.50	52.50	N	49.99	MH-B-78	N		MH-B-77	0+67
45	42.99	47.99	45.50	52.50	N	49.99	MH-B-78	N		MH-B-77	1+53
46	43.98	48.98	46.20	53.20	N	50.79	MH-B-79	N		MH-B-78	0+57
47	44.68	49.68	46.20	53.20	N	50.79	MH-B-79	N		MH-B-78	1+00
48	41.96	46.96	45.40	52.40	N	49.69	MH-B-70	N		MH-B-62	2+37
49	44.06	49.06	45.20	52.20	N	49.74	MH-B-71	N		MH-B-70	0+95
50	45.01	50.01	45.71	52.20	N	49.74	MH-B-71	N		MH-B-70	1+50
51	38.98	43.98	39.50	44.00	Y	50.71	MH-B-63	Y	*	MH-B-62	1+75
52	38.96	43.96	45.80	52.80	N	50.71	MH-B-63	N		MH-B-62	0+98
53	38.77	43.77	39.29	43.80	Y	50.46	MH-B-61	Y	*	MH-B-60	2+30
54	38.25	43.25	38.87	44.30	Y	50.46	MH-B-61	Y	*	MH-B-60	1+42
55	38.29	43.29	38.81	44.30	Y	50.46	MH-B-61	Y	*	MH-B-60	0+60
56	37.75	42.75	38.27	43.90	Y	50.65	MH-B-60	Y	*	MH-B-59	2+27
57	37.52	42.52	38.13	43.30	Y	50.65	MH-B-60	Y	*	MH-B-59	1+45
58	37.30	42.30	37.90	43.10	Y	50.65	MH-B-60	Y	*	MH-B-59	0+66
59	37.00	42.00	37.53	42.50	Y	48.87	MH-B-59	Y	*	MH-B-58	2+26
60	36.70	41.70	37.32	42.60	Y	48.87	MH-B-59	Y	*	MH-B-58	1+17
61	36.47	41.47	37.04	42.80	Y	48.87	MH-B-59	Y	*	MH-B-58	0+35
62	36.16	41.16	36.74	43.20	Y	49.84	MH-B-58	Y	*	MH-B-57	1+81
63	35.95	40.95	36.56	43.20	Y	49.84	MH-B-58	Y	*	MH-B-57	1+06
64	35.73	40.73	36.29	42.70	Y	49.84	MH-B-58	Y	*	MH-B-57	0+28
65	36.88	41.88	37.43	42.10	Y	47.83	MH-B-53	Y	*	MH-B-52	0+21
66	38.56	43.56	44.10	51.10	N	47.83	MH-B-53	N		MH-B-52	1+13
67	39.96	44.96	43.80	50.80	N	47.83	MH-B-53	N		MH-B-52	1+89
68	40.77	45.77	43.80	50.80	N	49.24	MH-B-54	N		MH-B-53	0+46
69	41.11	46.11	43.80	50.80	N	49.24	MH-B-54	N		MH-B-53	1+22
70	40.01	45.01	44.20	51.20	N	48.51	MH-B-85	N		MH-B-84	0+24
71	39.48	44.48	44.20	51.20	N	48.96	MH-B-84	N		MH-B-83	2+27
72	39.11	44.11	44.60	51.60	N	48.96	MH-B-84	N		MH-B-83	1+44
73	38.76	43.76	45.70	52.70	N	48.96	MH-B-84	N		MH-B-83	0+67
74	38.62	43.62	39.25	43.70	Y	50.22	MH-B-83	Y	*	MH-B-82	2+53
75	43.42	48.42	45.20	52.20	N	49.15	MH-B-56	N		MH-B-55	1+00
76	42.67	47.67	44.40	51.40	N	49.15	MH-B-56	N		MH-B-55	0+52
77	42.32	47.32	44.30	51.30	N	48.71	MH-B-55	N		MH-B-54	0+87
78	41.74	46.74	44.70	51.70	N	48.71	MH-B-55	N		MH-B-54	0+18
79	41.37	46.37	44.70	51.70	N	49.24	MH-B-54	N		MH-B-53	1+78
80	40.99	45.99	44.10	51.10	N	49.24	MH-B-54	N		MH-B-53	0+95
81	40.60	45.60	44.10	51.10	N	49.24	MH-B-54	N		MH-B-53	0+08
82	40.08	45.08	44.10	51.10	N	47.83	MH-B-53	N		MH-B-52	1+31
83	39.74	44.74	44.10	51.10	N	47.83	MH-B-53	N		MH-B-52	0+56
84	35.75	40.75	36.22	42.80	Y	49.84	MH-B-58	Y	*	MH-B-57	0+34
85	36.02	41.02	36.50	43.50	Y	49.84	MH-B-58	Y	*	MH-B-57	1+33
86	36.54	41.54	37.06	43.50	Y	49.84	MH-B-58	Y	*	MH-B-57	2+20
87	36.62	41.62	37.04	42.90	Y	48.87	MH-B-59	Y	*	MH-B-58	0+91
88	37.14	42.14	37.65	42.90	Y	50.65	MH-B-60	Y	*	MH-B-59	0+11
89	37.38	42.38	37.80	42.90	Y	50.65	MH-B-60	Y	*	MH-B-59	0+95
90	37.62	42.62	38.07	43.60	Y	50.65	MH-B-60	Y	*	MH-B-59	1+82
91	37.99	42.99	38.44	44.30	Y	50.46	MH-B-61	Y	*	MH-B-60	0+46
92	38.21	43.21	38.63	44.30	Y	50.46	MH-B-61	Y	*	MH-B-60	1+26
93	38.48	43.48	38.99	43.80	Y	50.46	MH-B-61	Y	*	MH-B-60	2+23

NOTES:
1. ALL SANITARY SEWER MAIN AND SERVICE LATERAL PVC PIPE MATERIAL SHALL BE PVC SDR-26, EXCEPT WHERE DEPTH EXCEEDS 14 FEET, MAINS SHALL BE DIP CL-50.
2. ANY PORTION OF A GRAVITY SANITARY SEWER LATERAL LOCATED WITHIN A PUBLIC RIGHT-OF-WAY MUST BE 6" DIAMETER SDR-26 AND HAVE A MINIMUM SLOPE OF 2.0%.
3. SCHEDULE 40 PVC MAY BE PROVIDED FROM THE CLEANOUT TO THE HOUSE. REFER TO DETAIL S-3 ON SHEET 58.
4. ALL SEWER SERVICE CLEANOUTS LOCATED WITHIN PAVED AREAS (DRIVEWAY OR SIDEWALK) SHALL HAVE TRAFFIC LOAD RATED COVERS PROVIDED, INSTALLED IN ACCORDANCE WITH DETAIL S-11 ON SHEET 58.

SANITARY SEWER LATERAL TABLES FOR *SAVANNAH FARMS*

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
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SMYRNA, DE 19977
(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE AS SHOWN

No. 15284 — DELAWARE — PROFESSIONAL ENGINEER

09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B59-B63	62 OF 63

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WYOMING SINGLE FAMILY DETACHED - LOTS 94-226

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE	DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
94	35.87	40.87	37.00	44.00	Y	50.25	MH-B-28	Y *	MH-B-27	0+45
95	35.43	40.43	37.00	44.00	Y	50.83	MH-B-27	Y *	MH-B-26	1+28
96	35.08	40.08	36.30	43.30	Y	50.83	MH-B-27	Y *	MH-B-26	0+50
97	34.65	39.65	36.40	43.40	Y	50.13	MH-B-26	Y *	MH-B-25	1+12
98	34.30	39.30	36.40	43.40	Y	50.13	MH-B-26	Y *	MH-B-25	0+34
99	33.87	38.87	35.80	42.80	Y	49.86	MH-B-25	Y *	MH-B-24	1+12
100	33.52	38.52	36.00	43.00	Y	49.86	MH-B-25	Y *	MH-B-24	0+34
101	33.10	38.10	36.00	43.00	Y	49.86	MH-B-24	Y *	MH-B-2	1+45
102	32.75	37.75	35.70	42.70	Y	49.86	MH-B-24	Y *	MH-B-2	0+67
103	33.68	38.68	36.10	43.10	Y	50.44	MH-B-3	Y *	MH-B-2	0+83
104	34.78	39.78	36.50	43.50	Y	50.44	MH-B-3	Y *	MH-B-2	1+57
105	35.25	40.25	36.50	43.50	Y	50.58	MH-B-4	Y *	MH-B-3	0+68
106	35.58	40.58	36.60	43.60	Y	50.58	MH-B-4	Y *	MH-B-3	1+40
107	36.04	41.04	37.00	44.00	Y	50.44	MH-B-5	Y *	MH-B-4	0+41
108	36.40	41.40	37.20	44.20	Y	50.44	MH-B-5	Y *	MH-B-4	1+20
109	36.53	41.53	37.05	43.90	Y	50.44	MH-B-5	Y *	MH-B-4	1+50
110	36.17	41.17	36.90	43.90	Y	50.44	MH-B-5	Y *	MH-B-4	0+70
111	35.67	40.67	36.90	43.90	Y	50.58	MH-B-4	Y *	MH-B-3	1+61
112	35.22	40.22	36.50	43.50	Y	50.58	MH-B-4	Y *	MH-B-3	0+60
113	33.65	38.65	36.50	43.50	Y	50.44	MH-B-3	Y *	MH-B-2	0+81
114	32.62	37.62	35.70	42.70	Y	49.86	MH-B-24	Y *	MH-B-2	0+38
115	33.03	38.03	35.90	42.90	Y	49.86	MH-B-24	Y *	MH-B-2	1+30
116	33.55	38.55	35.90	42.90	Y	49.86	MH-B-25	Y *	MH-B-24	0+40
117	33.96	38.96	36.10	43.10	Y	49.86	MH-B-25	Y *	MH-B-24	1+32
118	34.51	39.51	36.40	43.40	Y	50.13	MH-B-26	Y *	MH-B-25	0+81
119	35.05	40.05	36.80	43.80	Y	50.83	MH-B-27	Y *	MH-B-26	0+42
120	35.44	40.44	36.90	43.90	Y	50.83	MH-B-27	Y *	MH-B-26	1+30
121	35.94	40.94	36.90	43.90	Y	50.25	MH-B-28	Y *	MH-B-27	0+60
122	40.98	45.98	46.50	53.50	N	50.92	MH-B-30	N	MH-B-29	0+92
123	41.34	46.34	46.50	53.50	N	50.92	MH-B-30	N	MH-B-29	1+72
124	41.80	46.80	46.10	53.10	N	50.46	MH-B-31	N	MH-B-30	0+34
125	42.11	47.11	45.40	52.40	N	50.46	MH-B-31	N	MH-B-30	1+03
126	42.65	47.65	45.40	52.40	N	49.39	MH-B-32	N	MH-B-31	0+24
127	43.42	48.42	45.40	52.40	N	49.39	MH-B-32	N	MH-B-31	1+01
128	44.16	49.16	44.90	51.80	N	49.39	MH-B-32	N	MH-B-31	1+48
129	43.82	48.82	44.70	51.70	N	49.56	MH-B-9	N	MH-B-8	1+35
130	43.04	48.04	45.10	52.10	N	49.56	MH-B-9	N	MH-B-8	0+83
131	42.27	47.27	45.20	52.20	N	49.56	MH-B-9	N	MH-B-8	0+06
132	40.95	45.95	45.00	52.00	N	49.94	MH-B-8	N	MH-B-7	1+60
133	39.86	44.86	44.70	51.70	N	49.94	MH-B-8	N	MH-B-7	0+86
134	37.44	42.44	38.06	43.20	Y	49.70	MH-B-6	Y *	MH-B-5	0+90
135	37.90	42.90	44.80	51.80	N	50.23	MH-B-7	N	MH-B-6	0+65
136	38.26	43.26	45.00	52.00	N	50.23	MH-B-7	N	MH-B-6	1+44
137	38.72	43.72	45.00	52.00	N	51.08	MH-B-10	N	MH-B-7	0+24
138	39.08	44.08	45.50	52.50	N	51.08	MH-B-10	N	MH-B-7	1+04
139	39.58	44.58	46.00	53.00	N	51.20	MH-B-11	N	MH-B-10	0+49
140	39.99	44.99	46.10	53.10	N	51.20	MH-B-11	N	MH-B-10	1+40
141	40.52	45.52	45.40	52.40	N	50.23	MH-B-14	N	MH-B-11	0+72
142	39.89	44.89	45.30	52.30	N	49.94	MH-B-8	N	MH-B-7	0+88
143	41.01	46.01	45.30	52.30	N	49.94	MH-B-8	N	MH-B-7	1+65
144	42.41	47.41	45.30	52.30	N	49.56	MH-B-9	N	MH-B-8	0+20
145	43.50	48.50	45.20	52.20	N	49.56	MH-B-9	N	MH-B-8	1+29
146	39.95	44.95	45.60	52.60	N	49.39	MH-B-32	N	MH-B-31	1+04
147	42.29	47.29	45.60	52.60	N	50.46	MH-B-31	N	MH-B-30	1+44
148	41.84	46.84	46.30	53.30	N	50.46	MH-B-31	N	MH-B-30	0+44
149	41.33	46.33	46.50	53.50	N	50.92	MH-B-30	N	MH-B-29	1+70
150	40.97	45.97	46.50	53.50	N	50.92	MH-B-30	N	MH-B-29	0+90
151	43.36	48.36	45.70	52.70	N	51.12	MH-B-35	N	MH-B-34	0+95
152	44.11	49.11	46.20	53.20	N	51.12	MH-B-35	N	MH-B-34	1+71
153	44.94	49.94	46.50	53.50	N	51.45	MH-B-36	N	MH-B-35	0+41
154	45.71	50.71	46.50	53.50	N	51.45	MH-B-36	N	MH-B-35	0+91
155	44.49	49.49	46.50	53.50	N	51.23	MH-B-13	N	MH-B-12	1+00
156	43.57	48.57	46.70	53.70	N	51.23	MH-B-13	N	MH-B-12	0+34
157	42.11	47.11	46.70	53.70	N	51.76	MH-B-12	N	MH-B-11	0+89
158	42.15	47.15	46.90	53.90	N	51.76	MH-B-12	N	MH-B-11	0+91
159	43.60	48.60	46.90	53.90	N	51.23	MH-B-13	N	MH-B-12	0+37
160	44.49	49.49	46.50	53.50	N	51.23	MH-B-13	N	MH-B-12	1+00
161	45.22	50.22	46.40	53.40	N	51.45	MH-B-36	N	MH-B-35	0+69
162	44.13	49.13	46.30	53.30	N	51.12	MH-B-35	N	MH-B-34	1+73
163	43.33	48.33	46.30	53.30	N	51.12	MH-B-35	N	MH-B-34	0+92
164	43.69	48.69	46.10	53.10	N	50.67	MH-B-17	N	MH-B-16	1+04
165	43.35	48.35	46.40	53.40	N	50.67	MH-B-17	N	MH-B-16	0+28
166	42.92	47.92	46.60	53.60	N	50.90	MH-B-16	N	MH-B-15	2+52
167	42.56	47.56	46.60	53.60	N	50.90	MH-B-16	N	MH-B-15	1+72
168	42.20	47.20	46.60	53.60	N	50.90	MH-B-16	N	MH-B-15	0+92
169	42.19	47.19	45.50	52.50	N	50.90	MH-B-16	N	MH-B-15	0+90
170	42.55	47.55	46.10	53.10	N	50.90	MH-B-16	N	MH-B-15	1+70
171	42.91	47.91	46.30	53.30	N	50.90	MH-B-16	N	MH-B-15	2+50
172	43.41	48.41	45.50	52.50	N	50.67	MH-B-17	N	MH-B-16	0+41
173	44.26	49.26	45.60	52.60	N	50.33	MH-B-18	N	MH-B-17	0+39
174	45.23	50.23	46.25	52.20	N	50.33	MH-B-18	N	MH-B-17	1+10
175	44.71	49.71	45.55	52.00	N	50.44	MH-B-37	N	MH-B-34	2+00
176	43.97	48.97	45.10	52.10	N	50.44	MH-B-37	N	MH-B-34	1+53
177	43.17	48.17	45.30	52.30	N	50.44	MH-B-37	N	MH-B-34	0+73
178	42.31	47.31	45.30	52.30	N	50.04	MH-B-34	N	MH-B-33	1+56
179	41.93	46.93	45.60	52.60	N	50.04	MH-B-34	N	MH-B-33	0+73
180	41.42	46.42	46.20	53.20	N	50.84	MH-B-33	N	MH-B-29	1+45
181	41.03	46.03	46.20	53.20	N	50.84	MH-B-33	N	MH-B-29	0+58
182	40.10	45.10	45.70	52.70	N	50.59	MH-B-29	N	MH-B-28	2+63
183	36.89	41.89	37.41	42.70	Y	49.31	MH-B-38	Y *	MH-B-28	0+94
184	37.26	42.26	37.78	42.70	Y	49.31	MH-B-38	Y *	MH-B-28	1+77
185	38.02	43.02	44.70	51.70	N	49.13	MH-B-40	N	MH-B-39	0+23
186	38.78	43.78	44.30	51.30	N	48.29	MH-B-41	N	MH-B-40	0+72
187	39.67	44.67	43.90	50.90	N	48.50	MH-B-43	N	MH-B-42	0+11
188	40.08	45.08	44.50	51.50	N	48.50	MH-B-43	N	MH-B-42	1+03
189	40.44	45.44	44.50	51.50	N	48.50	MH-B-43	N	MH-B-42	1+83
190	40.80	45.80	44.30	51.30	N	48.50	MH-B-43	N	MH-B-42	2+63
191	41.27	46.27	44.50	51.50	N	49.31	MH-B-44	N	MH-B-43	0+46
192	41.62	46.62	44.80	51.80	N	49.31	MH-B-44	N	MH-B-43	1+26

WYOMING SINGLE FAMILY DETACHED - LOTS 94-226

LOT	INVERT AT MAIN	MIN. PLUMBING ELEV.	CLEANOUT ELEV.	ELEV. OF LOWEST SEWERED FLOOR**	SEWERED BASEMENT	UPSTREAM RIM ELEV. AND MH#		BACKWATER VALVE	DOWNSTREAM MH#	LATERAL STATION FROM DOWNSTREAM MH
193	41.98	46.98	44.80	51.80	N	49.31	MH-B-44	N	MH-B-43	2+06
194	42.66	47.66	44.60	51.60	N	49.31	MH-B-44	N	MH-B-43	2+97
195	43.45	48.45	45.30	52.30	N	50.14	MH-B-46	N	MH-B-45	0+86
196	44.04	49.04	45.30	52.30	N	50.52	MH-B-47	N	MH-B-46	0+44
197	46.16	51.16	46.73	53.20	N	51.14	MH-B-48	N	MH-B-47	0+88
198	45.79	50.79	46.31	53.20	N	51.54	MH-B-23	N	MH-B-22	0+90
199	44.96	49.96	45.70	52.70	N	51.54	MH-B-23	N	MH-B-22	0+07
200	44.46	49.46	45.10	52.10	N	50.84	MH-B-22	N	MH-B-21	1+27
201	44.09	49.09	45.10	52.10	N	50.84	MH-B-22	N	MH-B-21	0+45
202	41.05	46.05	45.50	52.50	N	50.23	MH-B-15	N	MH-B-14	0+45
203	41.45	46.45	45.50	52.50	N	50.23	MH-B-15	N	MH-B-14	1+33
204	41.91	46.91	45.30	52.30	N	49.34	MH-B-19	N	MH-B-15	0+29
205	42.27	47.27	43.90	50.90	N	49.34	MH-B-19	N	MH-B-15	1+09
206	42.83	47.83	43.70	50.70	N	49.34	MH-B-19	N	MH-B-15	2+32
207	43.20	48.20	44.40	51.40	N	50.07	MH-B-20	N	MH-B-19	0+19
208	43.57	48.57	45.10	52.10	N	50.46	MH-B-21	N	MH-B-20	0+18
209	43.94	48.94	45.60	52.60	N	50.84	MH-B-22	N	MH-B-21	0+11
210	44.28	49.28	46.00	53.00	N	50.84	MH-B-22	N	MH-B-21	0+87
211	44.64	49.64	46.60	53.60	N	50.84	MH-B-22	N	MH-B-21	1+67
212	45.36	50.36	46.60	53.60	N	51.54	MH-B-23	N	MH-B-22	0+47
213	46.16	51.16	46.88	53.50	N	51.54	MH-B-23	N	MH-B-22	1+00
214	46.16	51.16	46.87	53.20	N	51.14	MH-B-48	N	MH-B-47	0+88
215	45.07	50.07	46.20	53.20	N	51.14	MH-B-48	N	MH-B-47	0+42
216	44.10	49.10	46.00	53.00	N	50.52	MH-B-47	N	MH-B-46	0+58
217	41.85	46.85	44.50	51.50	N	49.31	MH-B-44	N	MH-B-43	1+76
218	41.49	46.49	44.50	51.50	N	49.31	MH-B-44	N	MH-B-43	0+96
219	41.13	46.13	44.10	51.10	N	49.31	MH-B-44	N	MH-B-43	0+16
220	40.67	45.67	44.10	51.10	N	48.50	MH-B-43	N	MH-B-42	2+33
221	40.31	45.31	44.40	51.40	N	48.50	MH-B-43	N	MH-B-42	1+53
222	39.95	44.95	44.40	51.40	N	48.50	MH-B-43	N	MH-B-42	0+73
223	39.79	44.79	44.30	51.30	N	48.43	MH-B-42	N	MH-B-41	0+98
224	37.68	42.68	38.26	42.80	Y	49.80	MH-B-39	Y *	MH-B-38	0+62
225	37.19	42.19	37.71	42.80	Y	49.31	MH-B-38	Y *	MH-B-28	1+75
226	36.89	41.89	37.41	43.20	Y	49.31	MH-B-38	Y *	MH-B-28	1+03

NOTES:
1. ALL SANITARY SEWER MAIN AND SERVICE LATERAL PVC PIPE MATERIAL SHALL BE PVC SDR-26, EXCEPT WHERE DEPTH EXCEEDS 14 FEET, MAINS SHALL BE DIP CL-50.
2. ANY PORTION OF A GRAVITY SANITARY SEWER LATERAL LOCATED WITHIN A PUBLIC RIGHT-OF-WAY MUST BE 6" DIAMETER SDR-26 AND HAVE A MINIMUM SLOPE OF 2.0%.
3. SCHEDULE 40 PVC MAY BE PROVIDED FROM THE CLEANOUT TO THE HOUSE. REFER TO DETAIL S-3 ON SHEET 58.
4. ALL SEWER SERVICE CLEANOUTS LOCATED WITHIN PAVED AREAS (DRIVEWAY OR SIDEWALK) SHALL HAVE TRAFFIC LOAD RATED COVERS PROVIDED, INSTALLED IN ACCORDANCE WITH DETAIL S-11 ON SHEET 58.

SANITARY SEWER LATERAL TABLES FOR *SAVANNAH FARMS*

SITUATE IN: TOWNS OF CAMDEN & WYOMING, KENT COUNTY, DELAWARE

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/26/2026	REVISED PER CWSWA COMMENTS
2	8/20/2026	REVISED PER DNREC COMMENTS 8/19

PREPARED FOR:
D. R. HORTON DELAWARE DIVISION
671 S. CARTER ROAD
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(302) 514-0850

ATWELL
866.850.4200 www.atwell.com
17 POLLY DRUMMOND CENTER, SUITE 201
NEWARK, DE 19711
302.369.2900
** KARINS AND ASSOCIATES IS NOW OPERATING AS ATWELL, LLC **

DRAWN BY MO DATE 9-12-2024
CHECKED BY MJK SCALE AS SHOWN

MICHELLE J. KARINS No. 15284 PROFESSIONAL ENGINEER DELAWARE

09-02-2026
PROFESSIONAL ENGINEER

CAMDEN-WYOMING SEWER & WATER AUTHORITY

DRAWING NO.	SHEET NO.
3184 - B59-B63	63 OF 63

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