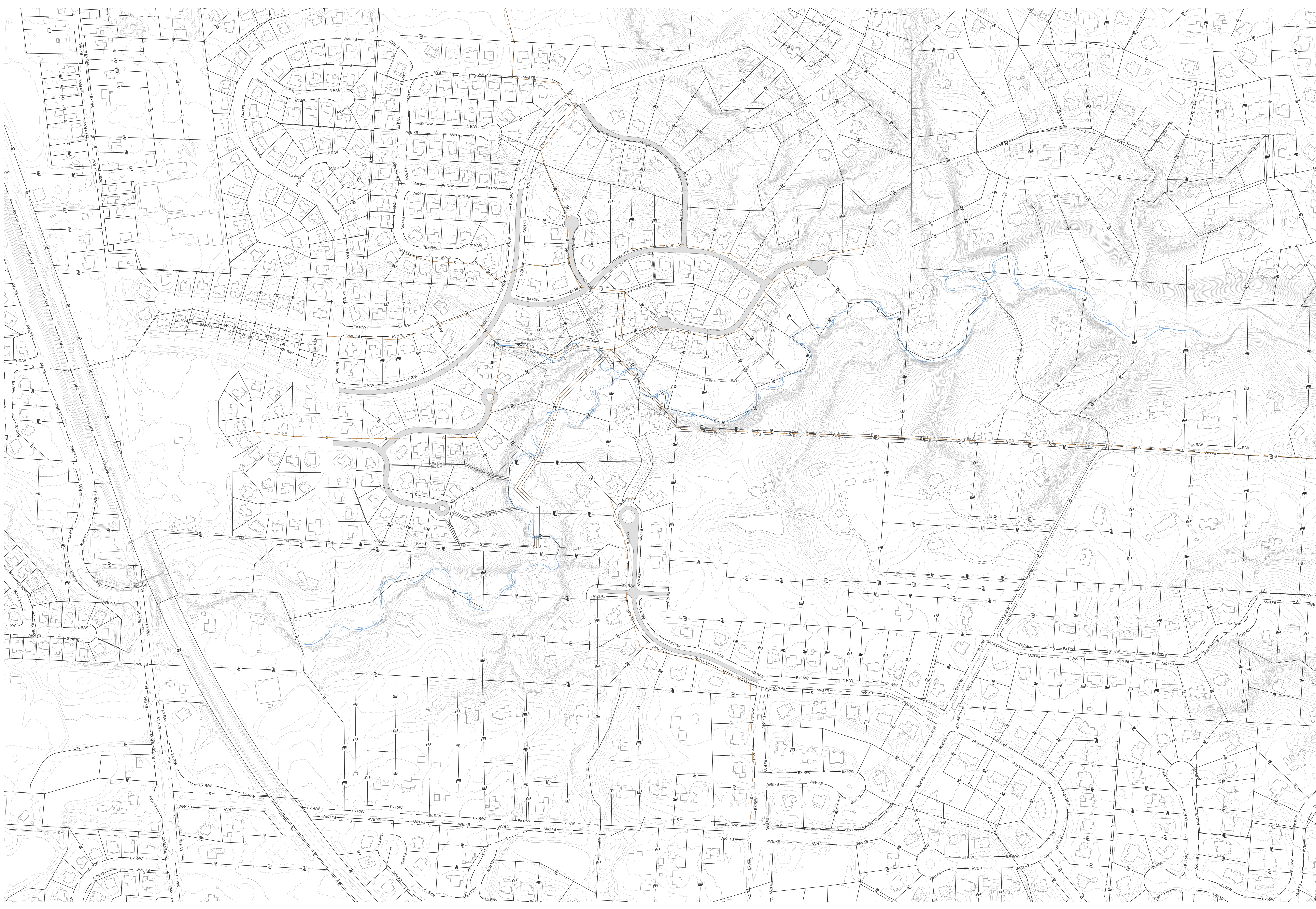


Appendix A.

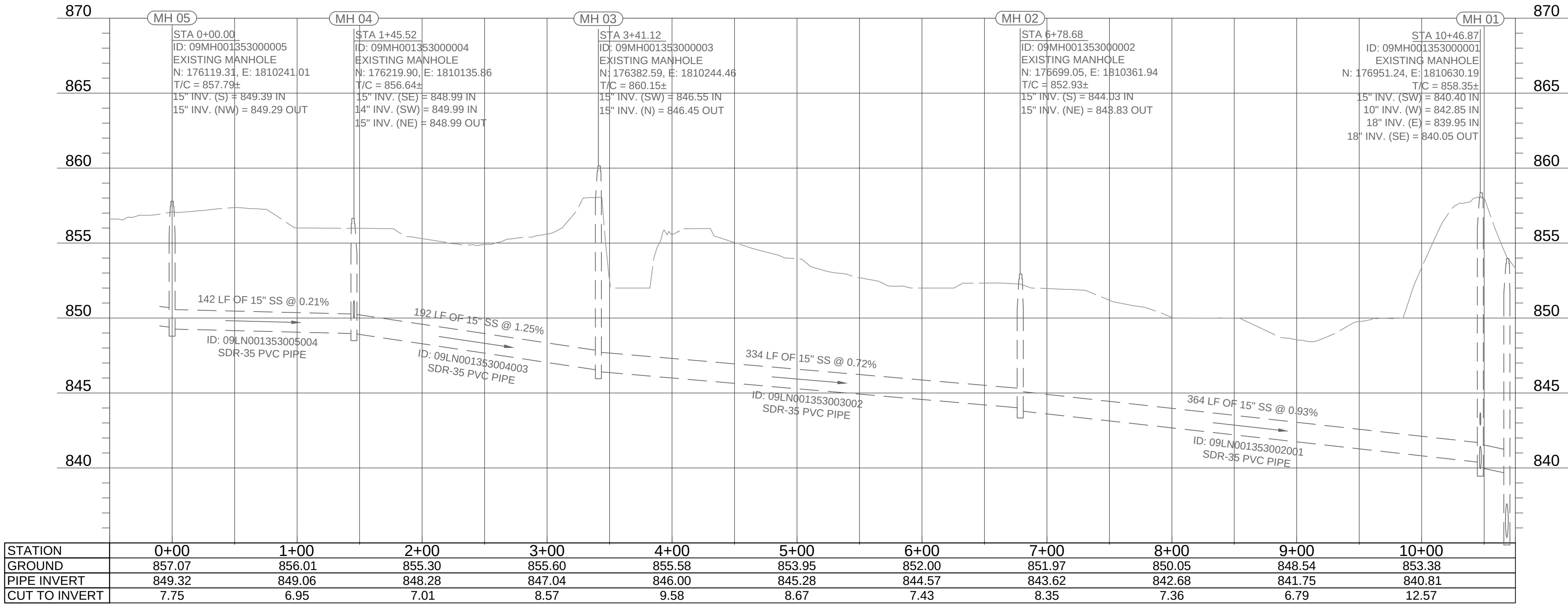
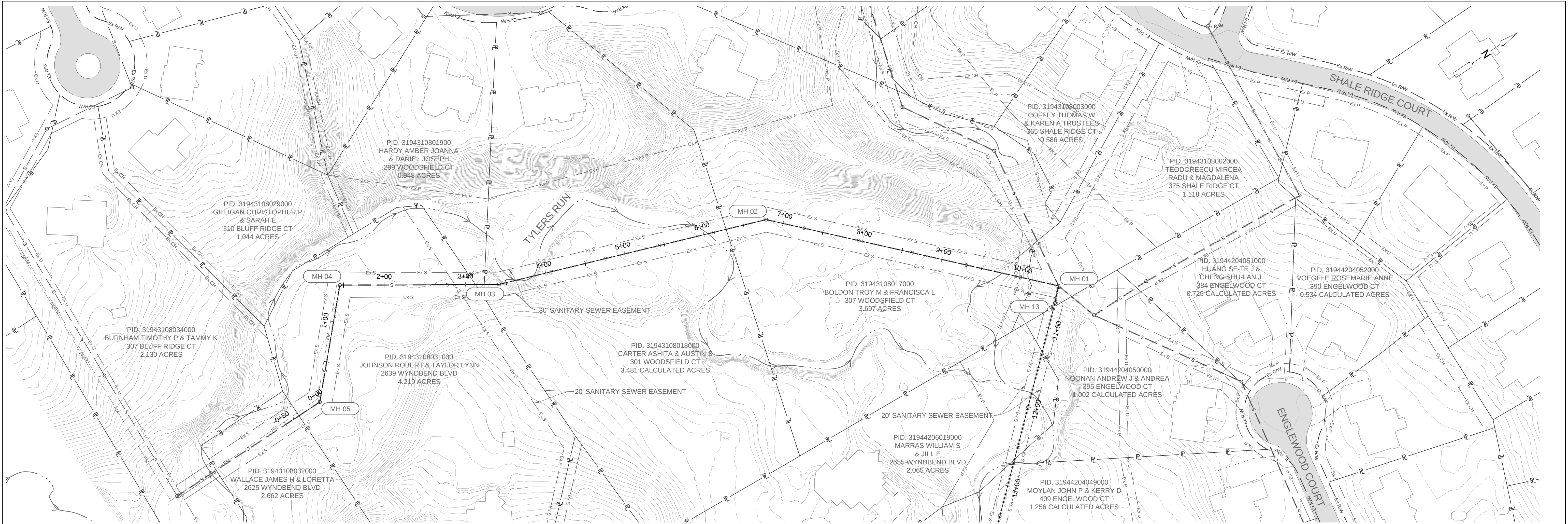
AutoCAD Civil3D GIS Basemap



Appendix B.

Survey Plan and Profile

X:\Projects\2025\521508500 DCRSD 2025 Sewer IOL_ConsDocs\CAD\Base Drawings\Sheet Border.dwg, Last Saved By: amitchell, 6/30/2025 4:26 PM Last Printed By: Aaron Mitchell, PE, 6/30/2025 4:27 PM



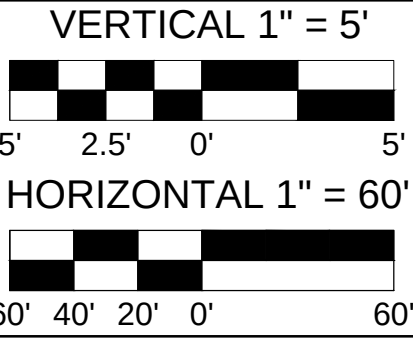
- NOTES:
1. LINE AND GRADE ARE BASED LINEAR FOOTAGE FROM INNER STRUCTURE WALL TO INNER STRUCTURE WALL.
 2. MANHOLES ARE ASSUMED TO BE 48" DIAMETER.
 3. MANHOLE IDENTIFICATION IS PER THE DELAWARE COUNTY REGIONAL SEWER DISTRICT GIS.



No.	BY	DATE	REVISIONS	PROJ. PERSONNEL	DATE
	Int.	Mo./Dy./Yr.		Initials	Mo./Dy./Yr.
			Remarks		
				DES. AJM	5/15/25
				DWN. AJM	5/15/25
				CKD.	

DELAWARE COUNTY
REGIONAL SEWER DISTRICT (DCRSD)
DELAWARE COUNTY SANITARY
ENGINEERING OFFICE

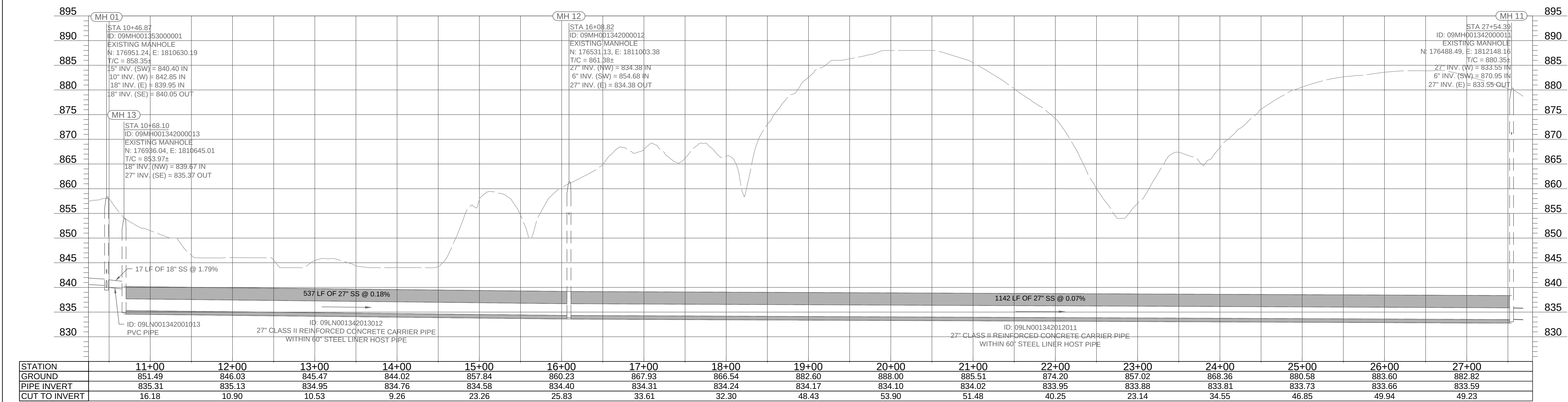
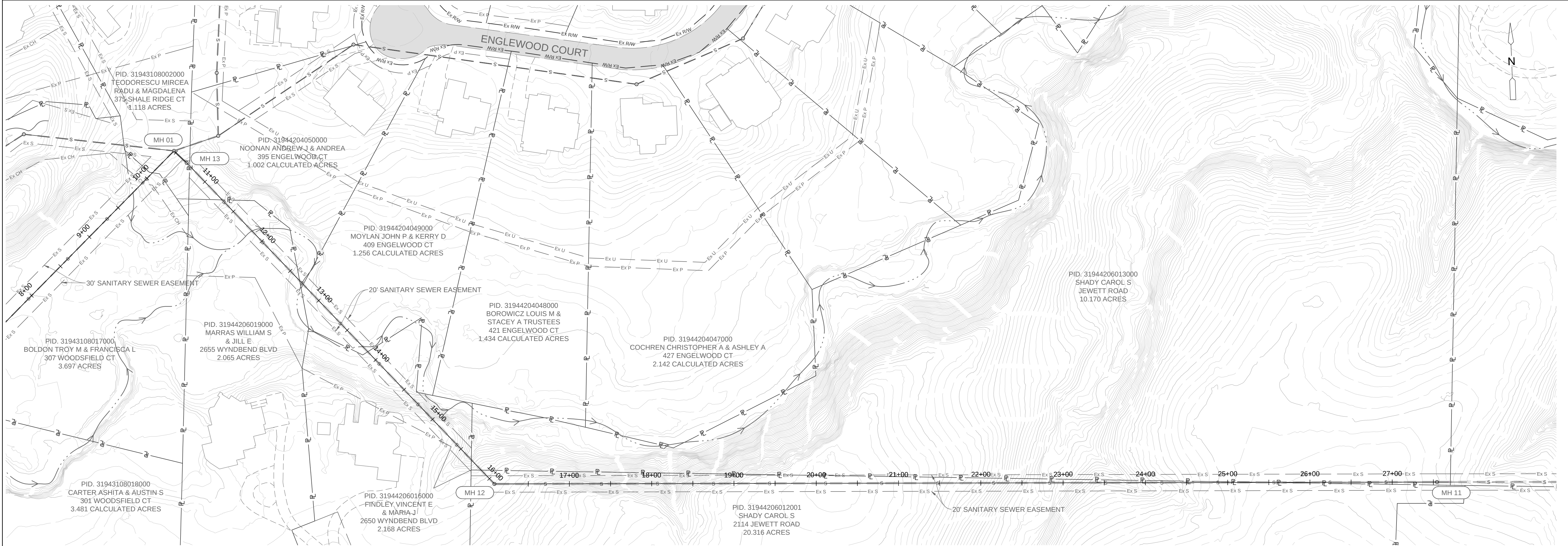
GOLF VILLAGE FORCE MAIN
OUTFALL AND DOWNSTREAM
SEWER IMPROVEMENTS
PROJECT



PLAN & PROFILE

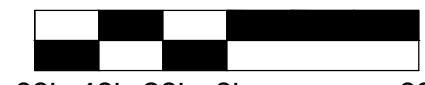
ISSUED STATUS:	-
NO:	RECORD
	1
DATE ISSUED:	6/30/2025 Mo./Dy./Yr.

X:\Projects\2025\5621508500 DCRSD 2025 Sewer Vol_1_Consolidated\CAD\Base Drawings\508500 Profiles.dwg, Last Saved By: amitchell, 5/6/2025 2:00 PM, Last Printed By: Aaron Mitchell, PE, 5/30/2025 11:51 AM



STATION	11+00	12+00	13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00	21+00	22+00	23+00	24+00	25+00	26+00	27+00
GROUND	851.49	846.03	845.47	844.02	857.84	860.23	867.93	866.54	882.60	888.00	885.51	874.20	857.02	868.36	880.58	883.60	882.82
PIPE INVERT	835.31	835.13	834.95	834.76	834.58	834.40	834.31	834.24	834.17	834.10	834.02	833.95	833.88	833.81	833.73	833.66	833.59
CUT TO INVERT	16.18	10.90	10.53	9.26	23.26	25.83	33.61	32.30	48.43	53.90	51.48	40.25	23.14	34.55	46.85	49.94	49.23

 	No.	BY	DATE	REVISIONS	PROJ. PERSONNEL	DATE
		Int.	Mo./Dy./Yr.	Remarks	Initials	Mo./Dy./Yr.
					DES. AJM	5/15/25
					DWN. AJM	5/15/25
				CKD.		

DELAWARE COUNTY REGIONAL SEWER DISTRICT (DCRSD) DELAWARE COUNTY SANITARY ENGINEERING OFFICE		GOLF VILLAGE FORCE MAIN OUTFALL AND DOWNSTREAM SEWER IMPROVEMENTS PROJECT		VERTICAL 1" = 10'  HORIZONTAL 1" = 60' 		ISSUED STATUS: - NO: RECORD 2 DATE ISSUED: 5/15/2025 Mo./Dy./Yr.	
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Appendix C.

Level 1 MACP Inspection Forms

MACP INSPECTION FORM

HEADER SECTION

GENERAL INFORMATION

1. SURVEYED BY (1,2) Kyle Greenlee	2. CERTIFICATE NUMBER (1,2)	3. REVIEWED BY AARON MITCHELL	4. REVIEWER CERT. NUMBER U-0220-703
5. OWNER DELAWARE COUNTY RSD	6. CUSTOMER	7. P/O NUMBER P2502198	8. WORK ORDER
9. MEDIA LABEL	10. PROJECT GOLF VILLAGE	11. DATE (1,2) YYYYMMDD 20250311	12. TIME
13. SHEET NUMBER (1,2) N/A	14. WEATHER	15. PRE-CLEANING N = NO PRE-CLEANING	16. DATE CLEANED, YYYYMMDD
17. PURPOSE OF SURVEY (1,2) R = PRE-EXISTING VIDEO/PHOTOS	18. INSPECTION LEVEL (1,2) LEVEL 1	19. INSPECTION STATUS (1,2) SI = SURFACE INSPECTION	20. CONSEQUENCE OF FAILURE

LOCATION

21. DRAINAGE AREA	22. MH/ACCESS POINT NO, (1,2) 09MH001353000001	23. STREET (1,2) Shale Ridge Ct	24. CITY (1,2) Powell, OH
25. LOCATION CODE (2) E = WOODS	26. SURFACE TYPE (2) GRASS/DIRT	27. INFLOW POTENTIAL FROM RUNOFF	
28. LOCATION DETAILS			

MANHOLE

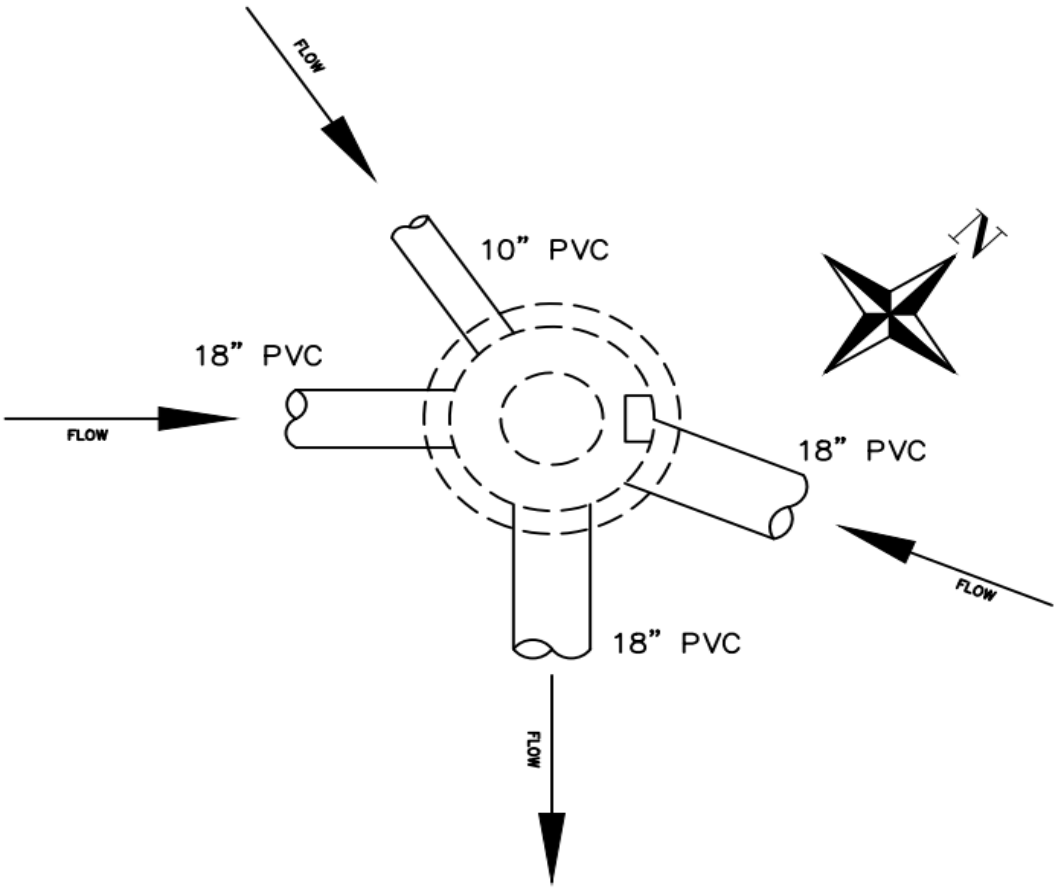
29. MH USE (1,2) SS = SANITARY	30. ACCESS TYPE (1,2) AMH = MANHOLE	31. YEAR CONSTRUCTED, YYYY 1989
32. YEAR RENEWED		33. EVIDENCE OF SURCHARGE (2) Y = YES

MEASUREMENTS

34. RIM TO INVERT (2) 18.30 FEET	35. RIM TO GRADE (2)	36. GRADE TO INVERT (2)	37. RIM TO GRADE EXPOSED
38. NORTHING 176951.24	39. EASTING 1810630.19	40. ELEVATION 858.35	41. COORDINATE SYSTEM NAD83 STATE PLANES (OH83-NF)
42. VERTICAL DATUM NAVD88 (GEOID18A)		GPS ACCURACY SURVEY	

44. ADDITIONAL INFORMATION

SKETCH



MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

COVER

45. TYPE (2) SOLID	46. SHAPE (2) C = CIRCULAR	47. SIZE (2) 22 INCHES	48. CENTER COVER SIZE
49. SIZE WIDTH (2)	50. COVER MATERIAL (2) C = CIRCULAR	51. HOLE DIAMETER (VENT) (2)	52. HOLE NUMBER (2)
53. BEARING SURFACE DIAMETER	54. BEARING SURFACE WIDTH	55. COVER/FRAME FIT (2)	56. COVER CONDITION (1,2) CORRODED (PITTED)

COVER INSERT

57. INSERT TYPE (2)	58. COVER INSERT CONDITION (2)
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COVER ADJUSTMENT RING

59. RING TYPE (1,2) N = NONE	60. RING MATERIAL (2)	61. RING CONDITION (1,2)	62. RING HEIGHT
---------------------------------	-----------------------	--------------------------	-----------------

FRAME

63. FRAME MATERIAL (2) CAS = CAST IRON	64. BEARING SURFACE WIDTH (2)	65. BEARING SURFACE DEPTH (2)	66. CLEAR OPENING DIAM (2)
67. CLEAR OPENING WIDTH (2)	68. FRAME CONDITION (1,2) CORRODED (PITTED/WORN)	69. SEAL CONDITION (2)	70. OFFSET DISTANCE (2)
71. SEAL INFLOW (2)	72. FRAME DEPTH		

CHIMNEY

73. CHIMNEY PRESENT (2) Y = YES	74. FIRST MATERIAL (2) CN = CONCRETE	75. SECOND MATERIAL	76. CHIMNEY I/I
77. CLEAR OPENING	78. CHIMNEY DEPTH (2) 36 INCHES	79. LINING INTERIOR	80. LINING EXTERIOR

81. CHIMNEY CONDITION (1)

D = DEFECTIVE (AGGREGATE EXPOSED AND ERODING)

CONE

82. TYPE (2) FT = FLAT TOP	83. MATERIAL (2) CN = CONCRETE	84. DEPTH (2)	85. LINING MATERIAL (2)
86. LINING EXTERIOR	87. CONE CONDITION (1) D = DEFECTIVE (AGGREGATE EXPOSED AND ERODING)		

WALL

88. WALL DIAMETER (LENGTH)	89. WALL BY SIZE (WIDTH)	90. MATERIAL (2)	91. DEPTH (2)
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MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

WALL (CONTINUED)

92. WALL LINING INTERIOR	93. WALL LINING EXTERIOR	94. WALL CONDITION (1) D = DEFECTIVE (AGGREGATE EXPOSED AND ERODING)
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BENCH

95. BENCH PRESENT (2)	96. BENCH MATERIAL (2)	97. BENCH LINING	98. BENCH CONDITION (1) X = NOT KNOWN
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CHANNEL

99. CHANNEL INSTALLED (2)	100. CHANNEL MATERIAL (2)	101. TYPE (2)	102. EXPOSURE (2)
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103. CHANNEL CONDITION (1)

X = NOT KNOWN

STEPS

104. NUMBER (2) 8	105. MATERIAL (2) M = METAL, P = PLASTIC
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ADDITIONAL COMPONENT INFORMATION

106. ADDITIONAL COMPONENT INFORMATION

SURCHARGED MATERIAL (PAPER) DEPOSITED UP TO FRAME & LID.

PIPE CONNECTIONS

107. PIPE NO. (2)	108. CLOCK POS (2)	109. RIM TO INVERT (2)	110. DIRECTION (2)
-------------------	--------------------	------------------------	--------------------

1	6	18.3	O = OUT
---	---	------	---------

2	9	17.95	I = IN
---	---	-------	--------

3	11	15.5	I = IN
---	----	------	--------

4	4	18.4	I = IN
---	---	------	--------

111. MATERIAL (2)	112. SHAPE (2)	113. HEIGHT (DIAM) (2)	114. WIDTH (2)
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PVC	C = CIRCULAR	18	
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PVC	C = CIRCULAR	15	
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PVC	C = CIRCULAR	10	
-----	--------------	----	--

PVC	C = CIRCULAR	18	
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115. CONDITION (2)	116. SEAL CONDITION (2)	117. PIPE TYPE (2)	118. COMMENT
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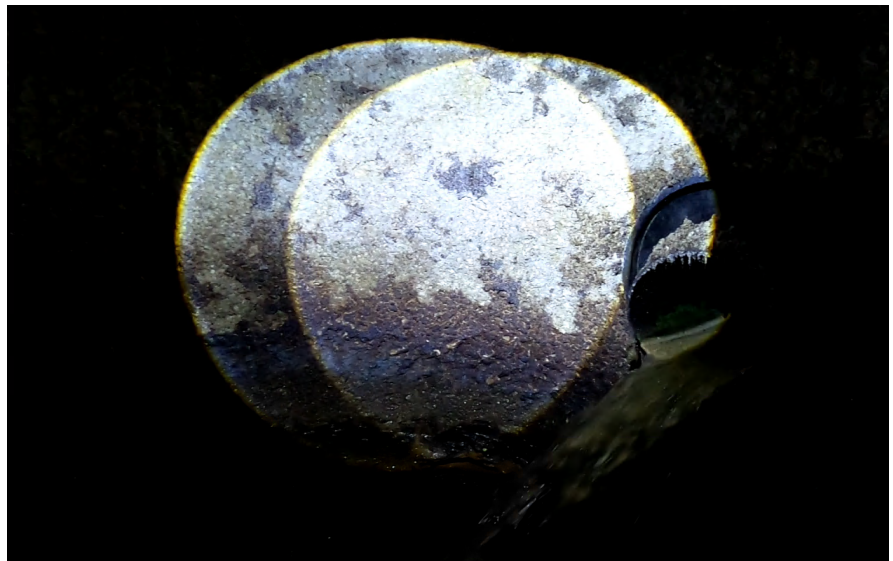
		GR = GRAVITY	
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		GR = GRAVITY	
--	--	--------------	--

		GR = GRAVITY	
--	--	--------------	--

		GR = GRAVITY	
--	--	--------------	--

PHOTOS



MACP INSPECTION FORM

HEADER SECTION

GENERAL INFORMATION

1. SURVEYED BY (1,2) Kyle Greenlee	2. CERTIFICATE NUMBER (1,2)	3. REVIEWED BY AARON MITCHELL	4. REVIEWER CERT. NUMBER U-0220-703
5. OWNER DELAWARE COUNTY RSD	6. CUSTOMER	7. P/O NUMBER P2502198	8. WORK ORDER
9. MEDIA LABEL	10. PROJECT GOLF VILLAGE	11. DATE (1,2) YYYYMMDD 20250311	12. TIME
13. SHEET NUMBER (1,2) N/A	14. WEATHER	15. PRE-CLEANING N = NO PRE-CLEANING	16. DATE CLEANED, YYYYMMDD
17. PURPOSE OF SURVEY (1,2) R = PRE-EXISTING VIDEO/PHOTOS	18. INSPECTION LEVEL (1,2) LEVEL 1	INSPECTION STATUS (1,2) SI = SURFACE INSPECTION	20. CONSEQUENCE OF FAILURE

LOCATION

21. DRAINAGE AREA	22. MH/ACCESS POINT NO, (1,2) 09MH001353000002	23. STREET (1,2) Woodsfield Ct	24. CITY (1,2) Powell, OH
25. LOCATION CODE (2) E = WOODS	26. SURFACE TYPE (2) GRASS/DIRT	27. INFLOW POTENTIAL FROM RUNOFF	

28. LOCATION DETAILS

MANHOLE

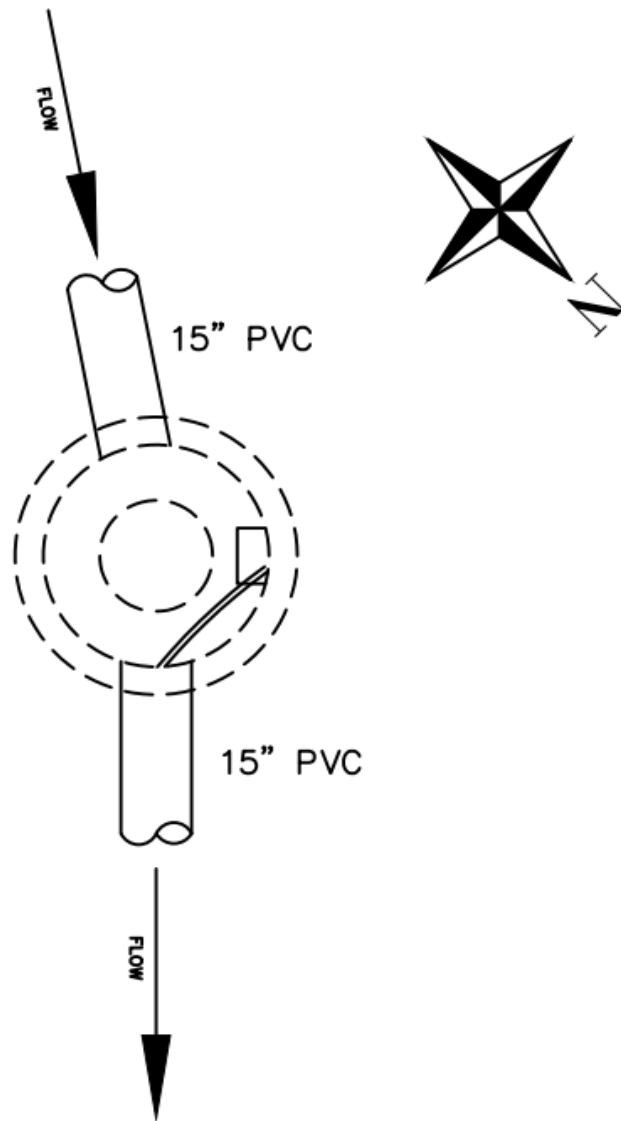
29. MH USE (1,2) SS = SANITARY	30. ACCESS TYPE (1,2) AMH = MANHOLE	31. YEAR CONSTRUCTED, YYYY 1989	
32. YEAR RENEWED		33. EVIDENCE OF SURCHARGE (2) Y = YES	

MEASUREMENTS

34. RIM TO INVERT (2) 9.1 FEET	35. RIM TO GRADE (2)	36. GRADE TO INVERT (2)	37. RIM TO GRADE EXPOSED
38. NORTHING 176699.05	39. EASTING 1810361.94	40. ELEVATION 852.93	41. COORDINATE SYSTEM NAD83 STATE PLANES (OH83-NF)
42. VERTICAL DATUM NAVD88 (GEOID18A)		GPS ACCURACY SURVEY	

44. ADDITIONAL INFORMATION

SKETCH



MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

COVER

45. TYPE (2) SOLID	46. SHAPE (2) C = CIRCULAR	47. SIZE (2) 22 INCH	48. CENTER COVER SIZE
49. SIZE WIDTH (2)	50. COVER MATERIAL (2)	51. HOLE DIAMETER (VENT) (2)	52. HOLE NUMBER (2)
53. BEARING SURFACE DIAMETER	54. BEARING SURFACE WIDTH	55. COVER/FRAME FIT (2)	56. COVER CONDITION (1,2) CORRODED (PITTED)

COVER INSERT

57. INSERT TYPE (2) N = NONE	58. COVER INSERT CONDITION (2)
---------------------------------	--------------------------------

COVER ADJUSTMENT RING

59. RING TYPE (1,2) N = NONE	60. RING MATERIAL (2)	61. RING CONDITION (1,2)	62. RING HEIGHT
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FRAME

63. FRAME MATERIAL (2) CAS = CAST IRON	64. BEARING SURFACE WIDTH (2)	65. BEARING SURFACE DEPTH (2)	66. CLEAR OPENING DIAM (2)
67. CLEAR OPENING WIDTH (2)	68. FRAME CONDITION (1,2) CORRODED (PITTED/WORN)	69. SEAL CONDITION (2)	70. OFFSET DISTANCE (2)
71. SEAL INFLOW (2)	72. FRAME DEPTH		

CHIMNEY

73. CHIMNEY PRESENT (2) Y = YES	74. FIRST MATERIAL (2)	75. SECOND MATERIAL	76. CHIMNEY I/I
77. CLEAR OPENING	78. CHIMNEY DEPTH (2)	79. LINING INTERIOR	80. LINING EXTERIOR

81. CHIMNEY CONDITION (1)

D = DEFECTIVE (APPEARS AGGREGATE EXPOSED)

CONE

82. TYPE (2) CO - CONICAL ECCENTRIC	83. MATERIAL (2)	84. DEPTH (2)	85. LINING MATERIAL (2)
86. LINING EXTERIOR	87. CONE CONDITION (1) D = DEFECTIVE (APPEARS AGGREGATE EXPOSED)		

WALL

88. WALL DIAMETER (LENGTH)	89. WALL BY SIZE (WIDTH)	90. MATERIAL (2)	91. DEPTH (2)
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MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

WALL (CONTINUED)

92. WALL LINING INTERIOR	93. WALL LINING EXTERIOR	94. WALL CONDITION (1) D = DEFECTIVE (APPEARS AGGREGATE EXPOSED)
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BENCH

95. BENCH PRESENT (2)	96. BENCH MATERIAL (2)	97. BENCH LINING	98. BENCH CONDITION (1) D = DEFECTIVE
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CHANNEL

99. CHANNEL INSTALLED (2)	100. CHANNEL MATERIAL (2)	101. TYPE (2)	102. EXPOSURE (2)
---------------------------	---------------------------	---------------	-------------------

103. CHANNEL CONDITION (1)

X = NOT KNOWN

STEPS

104. NUMBER (2) 1	105. MATERIAL (2)
----------------------	-------------------

ADDITIONAL COMPONENT INFORMATION

106. ADDITIONAL COMPONENT INFORMATION

MATERIAL & PAPER DEPOSITS EXTEND TO FRAME & CASTING. INFILTRATION GUSHER AND RUNNER AT BOOT SEALS.

PIPE CONNECTIONS

107. PIPE NO. (2)	108. CLOCK POS (2)	109. RIM TO INVERT (2)	110. DIRECTION (2)
1	6	9.1	0 = OUT
2	11	8.9	1 = IN
111. MATERIAL (2)	112. SHAPE (2)	113. HEIGHT (DIAM) (2)	114. WIDTH (2)
PVC	C = CIRCULAR	15	
PVC	C = CIRCULAR	15	
115. CONDITION (2)	116. SEAL CONDITION (2)	117. PIPE TYPE (2)	118. COMMENT
	D = DEFECTIVE	GR = GRAVITY	
	D = DEFECTIVE	GR = GRAVITY	

PHOTOS



MACP INSPECTION FORM

HEADER SECTION

GENERAL INFORMATION

1. SURVEYED BY (1,2) Kyle Greenlee	2. CERTIFICATE NUMBER (1,2)	3. REVIEWED BY AARON MITCHELL	4. REVIEWER CERT. NUMBER U-0220-703
5. OWNER DELAWARE COUNTY RSD	6. CUSTOMER	7. P/O NUMBER P2502198	8. WORK ORDER
9. MEDIA LABEL	10. PROJECT GOLF VILLAGE	11. DATE (1,2) YYYYMMDD 20250311	12. TIME
13. SHEET NUMBER (1,2) N/A	14. WEATHER	15. PRE-CLEANING N = NO PRE-CLEANING	16. DATE CLEANED, YYYYMMDD
17. PURPOSE OF SURVEY (1,2) R = PRE-EXISTING VIDEO/PHOTOS	18. INSPECTION LEVEL (1,2) LEVEL 1	INSPECTION STATUS (1,2) SI = SURFACE INSPECTION	20. CONSEQUENCE OF FAILURE

LOCATION

21. DRAINAGE AREA	22. MH/ACCESS POINT NO, (1,2) 09MH001353000003	23. STREET (1,2) Woodsfield Ct	24. CITY (1,2) Powell, OH
25. LOCATION CODE (2)	26. SURFACE TYPE (2)	27. INFLOW POTENTIAL FROM RUNOFF	

28. LOCATION DETAILS

MANHOLE

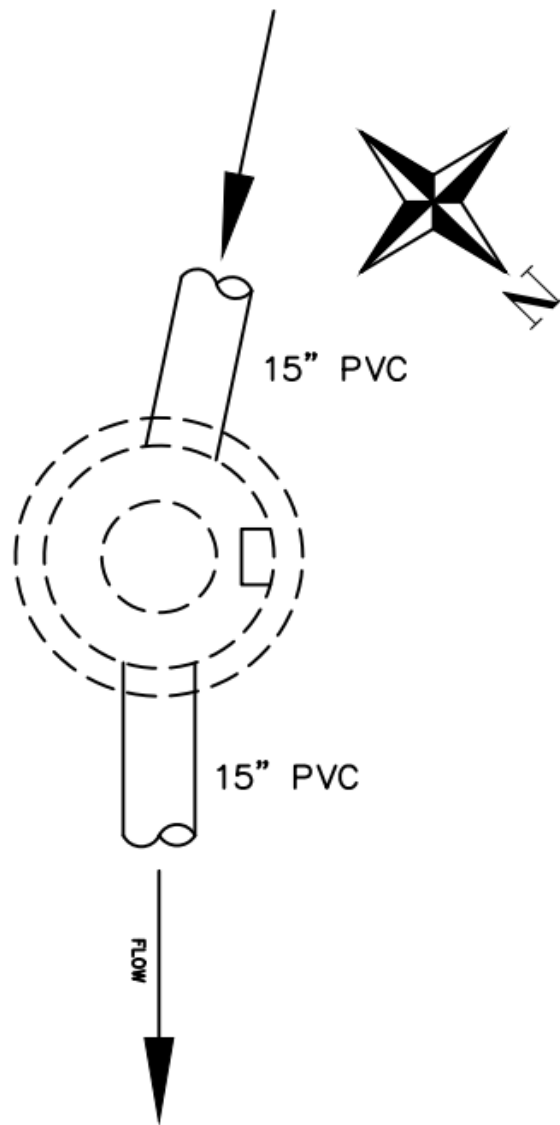
29. MH USE (1,2) SS = SANITARY	30. ACCESS TYPE (1,2) AMH = MANHOLE	31. YEAR CONSTRUCTED, YYYY 1989	
32. YEAR RENEWED		33. EVIDENCE OF SURCHARGE (2) Y = YES	

MEASUREMENTS

34. RIM TO INVERT (2) 13.7 FEET	35. RIM TO GRADE (2)	36. GRADE TO INVERT (2)	37. RIM TO GRADE EXPOSED
38. NORTHING 176382.59	39. EASTING 1810244.46	40. ELEVATION 860.15	41. COORDINATE SYSTEM NAD83 STATE PLANES (OH83-NF)
42. VERTICAL DATUM NAVD88 (GEOID18A)		GPS ACCURACY SURVEY	

44. ADDITIONAL INFORMATION

SKETCH



MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

COVER

45. TYPE (2) SOLID	46. SHAPE (2) C = CIRCULAR	47. SIZE (2) 22 INCHES	48. CENTER COVER SIZE
49. SIZE WIDTH (2)	50. COVER MATERIAL (2)	51. HOLE DIAMETER (VENT) (2)	52. HOLE NUMBER (2)
53. BEARING SURFACE DIAMETER	54. BEARING SURFACE WIDTH	55. COVER/FRAME FIT (2)	56. COVER CONDITION (1,2) CORRODED (PITTED)

COVER INSERT

57. INSERT TYPE (2) N = NONE	58. COVER INSERT CONDITION (2)
---------------------------------	--------------------------------

COVER ADJUSTMENT RING

59. RING TYPE (1,2) N = NONE	60. RING MATERIAL (2)	61. RING CONDITION (1,2)	62. RING HEIGHT
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FRAME

63. FRAME MATERIAL (2) CAS = CAST IRON	64. BEARING SURFACE WIDTH (2)	65. BEARING SURFACE DEPTH (2)	66. CLEAR OPENING DIAM (2)
67. CLEAR OPENING WIDTH (2)	68. FRAME CONDITION (1,2) CORRODED (PITTED/WORN)	69. SEAL CONDITION (2)	70. OFFSET DISTANCE (2)
71. SEAL INFLOW (2)	72. FRAME DEPTH		

CHIMNEY

73. CHIMNEY PRESENT (2) N = NO	74. FIRST MATERIAL (2)	75. SECOND MATERIAL	76. CHIMNEY I/I
77. CLEAR OPENING	78. CHIMNEY DEPTH (2) 20 INCHES	79. LINING INTERIOR	80. LINING EXTERIOR
81. CHIMNEY CONDITION (1) D = DEFECTIVE (APPEARS AGGREGATE EXPOSED)			

CONE

82. TYPE (2) CO - CONICAL ECCENTRIC	83. MATERIAL (2)	84. DEPTH (2)	85. LINING MATERIAL (2)
86. LINING EXTERIOR	87. CONE CONDITION (1) D = DEFECTIVE (APPEARS AGGREGATE EXPOSED)		

WALL

88. WALL DIAMETER (LENGTH)	89. WALL BY SIZE (WIDTH)	90. MATERIAL (2)	91. DEPTH (2)
----------------------------	--------------------------	------------------	---------------

MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

WALL (CONTINUED)

92. WALL LINING INTERIOR	93. WALL LINING EXTERIOR	94. WALL CONDITION (1) D = DEFECTIVE (APPEARS AGGREGATE EXPOSED)
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BENCH

95. BENCH PRESENT (2)	96. BENCH MATERIAL (2)	97. BENCH LINING	98. BENCH CONDITION (1) D = DEFECTIVE
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CHANNEL

99. CHANNEL INSTALLED (2)	100. CHANNEL MATERIAL (2)	101. TYPE (2)	102. EXPOSURE (2)
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103. CHANNEL CONDITION (1)

X = NOT KNOWN

STEPS

104. NUMBER (2) 6	105. MATERIAL (2) M = METAL, P = PLASTIC
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ADDITIONAL COMPONENT INFORMATION

106. ADDITIONAL COMPONENT INFORMATION

MATERIAL & PAPER DEPOSITS EXTEND TO FRAME & CASTING.

PIPE CONNECTIONS

107. PIPE NO. (2)	108. CLOCK POS (2)	109. RIM TO INVERT (2)	110. DIRECTION (2)
1	6	13.7	O = OUT
2	1	13.6	I = IN
111. MATERIAL (2)	112. SHAPE (2)	113. HEIGHT (DIAM) (2)	114. WIDTH (2)
PVC	C = CIRCULAR	15	
PVC	C = CIRCULAR	15	
115. CONDITION (2)	116. SEAL CONDITION (2)	117. PIPE TYPE (2)	118. COMMENT
		GR = GRAVITY	
		GR = GRAVITY	

PHOTOS



MACP INSPECTION FORM

HEADER SECTION

GENERAL INFORMATION

1. SURVEYED BY (1,2) Kyle Greenlee	2. CERTIFICATE NUMBER (1,2)	3. REVIEWED BY AARON MITCHELL	4. REVIEWER CERT. NUMBER U-0220-703
5. OWNER DELAWARE COUNTY RSD	6. CUSTOMER	7. P/O NUMBER P2502198	8. WORK ORDER
9. MEDIA LABEL	10. PROJECT GOLF VILLAGE	11. DATE (1,2) YYYYMMDD 20250311	12. TIME
13. SHEET NUMBER (1,2) N/A	14. WEATHER	15. PRE-CLEANING N = NO PRE-CLEANING	16. DATE CLEANED, YYYYMMDD
17. PURPOSE OF SURVEY (1,2) R = PRE-EXISTING VIDEO/PHOTOS	18. INSPECTION LEVEL (1,2) LEVEL 1	19. INSPECTION STATUS (1,2) SI = SURFACE INSPECTION	20. CONSEQUENCE OF FAILURE

LOCATION

21. DRAINAGE AREA	22. MH/ACCESS POINT NO, (1,2) 09MH001353000004	23. STREET (1,2) Bluff Ridge Ct	24. CITY (1,2) Powell, OH
25. LOCATION CODE (2)	26. SURFACE TYPE (2)	27. INFLOW POTENTIAL FROM RUNOFF	

28. LOCATION DETAILS

MANHOLE

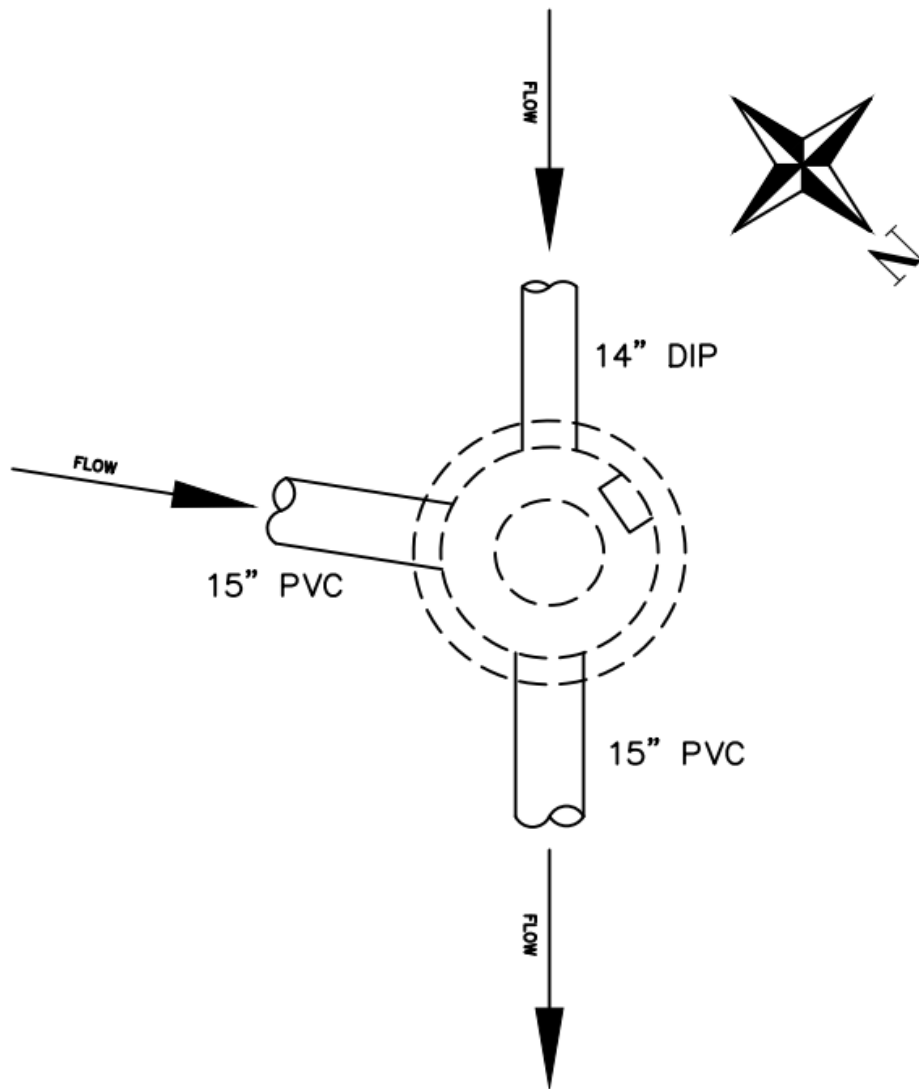
29. MH USE (1,2) SS = SANITARY	30. ACCESS TYPE (1,2) AMH = MANHOLE	31. YEAR CONSTRUCTED, YYYY 1989	
32. YEAR RENEWED		33. EVIDENCE OF SURCHARGE (2) Y = YES	

MEASUREMENTS

34. RIM TO INVERT (2) 7.65 FEET	35. RIM TO GRADE (2)	36. GRADE TO INVERT (2)	37. RIM TO GRADE EXPOSED
38. NORTHING 176219.9	39. EASTING 1810135.86	40. ELEVATION 856.64	41. COORDINATE SYSTEM NAD83 STATE PLANES (OH83-NF)
42. VERTICAL DATUM NAVD88 (GEOID18A)		GPS ACCURACY SURVEY	

44. ADDITIONAL INFORMATION

SKETCH



MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

COVER

45. TYPE (2) SOLID	46. SHAPE (2) C = CIRCULAR	47. SIZE (2)	48. CENTER COVER SIZE
49. SIZE WIDTH (2)	50. COVER MATERIAL (2)	51. HOLE DIAMETER (VENT) (2)	52. HOLE NUMBER (2)
53. BEARING SURFACE DIAMETER	54. BEARING SURFACE WIDTH	55. COVER/FRAME FIT (2)	56. COVER CONDITION (1,2) S = SOUND

COVER INSERT

57. INSERT TYPE (2)	58. COVER INSERT CONDITION (2)
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COVER ADJUSTMENT RING

59. RING TYPE (1,2) N = NONE	60. RING MATERIAL (2)	61. RING CONDITION (1,2)	62. RING HEIGHT
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FRAME

63. FRAME MATERIAL (2) CAS = CAST IRON	64. BEARING SURFACE WIDTH (2)	65. BEARING SURFACE DEPTH (2)	66. CLEAR OPENING DIAM (2)
67. CLEAR OPENING WIDTH (2)	68. FRAME CONDITION (1,2) CORRODED (PITTED/WORN)	69. SEAL CONDITION (2)	70. OFFSET DISTANCE (2)
71. SEAL INFLOW (2)		72. FRAME DEPTH	

CHIMNEY

73. CHIMNEY PRESENT (2) Y = YES	74. FIRST MATERIAL (2)	75. SECOND MATERIAL	76. CHIMNEY I/I
77. CLEAR OPENING	78. CHIMNEY DEPTH (2)	79. LINING INTERIOR	80. LINING EXTERIOR
81. CHIMNEY CONDITION (1) D = DEFECTIVE (AGGREGATE EXPOSED)			

CONE

82. TYPE (2)	83. MATERIAL (2)	84. DEPTH (2)	85. LINING MATERIAL (2)
86. LINING EXTERIOR	87. CONE CONDITION (1) D = DEFECTIVE (AGGREGATE EXPOSED)		

WALL

88. WALL DIAMETER (LENGTH)	89. WALL BY SIZE (WIDTH)	90. MATERIAL (2)	91. DEPTH (2)
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MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

WALL (CONTINUED)

92. WALL LINING INTERIOR	93. WALL LINING EXTERIOR	94. WALL CONDITION (1) D = DEFECTIVE (AGGREGATE EXPOSED)
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BENCH

95. BENCH PRESENT (2)	96. BENCH MATERIAL (2)	97. BENCH LINING	98. BENCH CONDITION (1) X = NOT KNOWN
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CHANNEL

99. CHANNEL INSTALLED (2)	100. CHANNEL MATERIAL (2)	101. TYPE (2)	102. EXPOSURE (2)
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103. CHANNEL CONDITION (1)

X = NOT KNOWN

STEPS

104. NUMBER (2) 3	105. MATERIAL (2) M = METAL, P = PLASTIC
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ADDITIONAL COMPONENT INFORMATION

106. ADDITIONAL COMPONENT INFORMATION

MATERIAL & PAPER DEPOSITS EXTEND TO FRAME & CASTING.

PIPE CONNECTIONS

107. PIPE NO. (2)	108. CLOCK POS (2)	109. RIM TO INVERT (2)	110. DIRECTION (2)
1	6	7.65	O = OUT
2	10	7.62	I = IN
3	12	UNK	I = IN
111. MATERIAL (2)	112. SHAPE (2)	113. HEIGHT (DIAM) (2)	114. WIDTH (2)
PVC	C = CIRCULAR	15	
PVC	C = CIRCULAR	15	
DIP	C = CIRCULAR	14	
115. CONDITION (2)	116. SEAL CONDITION (2)	117. PIPE TYPE (2)	118. COMMENT
		GR = GRAVITY	
		GR = GRAVITY	
		FM = FORCE MAIN	

PHOTOS



MACP INSPECTION FORM

HEADER SECTION

GENERAL INFORMATION

1. SURVEYED BY (1,2) Kyle Greenlee	2. CERTIFICATE NUMBER (1,2)	3. REVIEWED BY AARON MITCHELL	4. REVIEWER CERT. NUMBER U-0220-703
5. OWNER DELAWARE COUNTY RSD	6. CUSTOMER	7. P/O NUMBER P2502198	8. WORK ORDER
9. MEDIA LABEL	10. PROJECT GOLF VILLAGE	11. DATE (1,2) YYYYMMDD 20250311	12. TIME
13. SHEET NUMBER (1,2) N/A	14. WEATHER	15. PRE-CLEANING N = NO PRE-CLEANING	16. DATE CLEANED, YYYYMMDD
17. PURPOSE OF SURVEY (1,2) R = PRE-EXISTING VIDEO/PHOTOS	18. INSPECTION LEVEL (1,2) LEVEL 1	INSPECTION STATUS (1,2) SI = SURFACE INSPECTION	20. CONSEQUENCE OF FAILURE

LOCATION

21. DRAINAGE AREA	22. MH/ACCESS POINT NO, (1,2) 09MH001342000013	23. STREET (1,2) Shale Ridge Ct	24. CITY (1,2) Powell, OH
25. LOCATION CODE (2) E = WOODS	26. SURFACE TYPE (2) GRASS/DIRT	27. INFLOW POTENTIAL FROM RUNOFF	

28. LOCATION DETAILS

MANHOLE

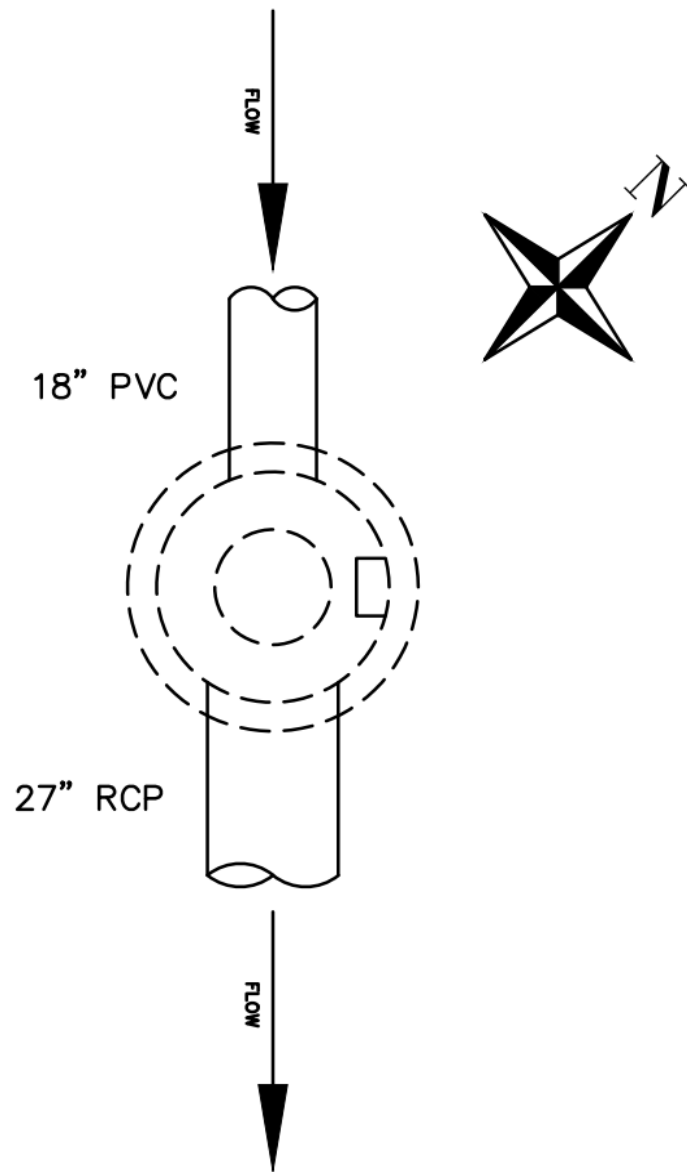
29. MH USE (1,2) SS = SANITARY	30. ACCESS TYPE (1,2) AMH = MANHOLE	31. YEAR CONSTRUCTED, YYYY 2001	
32. YEAR RENEWED		33. EVIDENCE OF SURCHARGE (2) Y = YES	

MEASUREMENTS

34. RIM TO INVERT (2) 18.60 FEET	35. RIM TO GRADE (2)	36. GRADE TO INVERT (2)	37. RIM TO GRADE EXPOSED
38. NORTHING 176936.04	39. EASTING 1810645.01	40. ELEVATION 853.97	41. COORDINATE SYSTEM NAD83 STATE PLANES (OH83-NF)
42. VERTICAL DATUM NAVD88 (GEOID18A)		GPS ACCURACY SURVEY	

44. ADDITIONAL INFORMATION

SKETCH



MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

COVER

45. TYPE (2) SOLID	46. SHAPE (2) C = CIRCULAR	47. SIZE (2) 22 INCHES	48. CENTER COVER SIZE
49. SIZE WIDTH (2)	50. COVER MATERIAL (2) C = CIRCULAR	51. HOLE DIAMETER (VENT) (2)	52. HOLE NUMBER (2)
53. BEARING SURFACE DIAMETER	54. BEARING SURFACE WIDTH	55. COVER/FRAME FIT (2)	56. COVER CONDITION (1,2) CORRODED (PITTED)

COVER INSERT

57. INSERT TYPE (2)	58. COVER INSERT CONDITION (2)
---------------------	--------------------------------

COVER ADJUSTMENT RING

59. RING TYPE (1,2) N = NONE	60. RING MATERIAL (2)	61. RING CONDITION (1,2)	62. RING HEIGHT
---------------------------------	-----------------------	--------------------------	-----------------

FRAME

63. FRAME MATERIAL (2) CAS = CAST IRON	64. BEARING SURFACE WIDTH (2)	65. BEARING SURFACE DEPTH (2)	66. CLEAR OPENING DIAM (2)
67. CLEAR OPENING WIDTH (2)	68. FRAME CONDITION (1,2) CORRODED (PITTED/WORN)	69. SEAL CONDITION (2)	70. OFFSET DISTANCE (2)
71. SEAL INFLOW (2)	72. FRAME DEPTH		

CHIMNEY

73. CHIMNEY PRESENT (2) N = NO	74. FIRST MATERIAL (2)	75. SECOND MATERIAL	76. CHIMNEY I/I
77. CLEAR OPENING	78. CHIMNEY DEPTH (2)	79. LINING INTERIOR	80. LINING EXTERIOR
81. CHIMNEY CONDITION (1)			

CONE

82. TYPE (2) CO - CONICAL ECCENTRIC	83. MATERIAL (2) CN - CONCRETE	84. DEPTH (2)	85. LINING MATERIAL (2)
86. LINING EXTERIOR	87. CONE CONDITION (1) D = DEFECTIVE (AGGREGATE EXPOSED AND ERODING)		

WALL

88. WALL DIAMETER (LENGTH)	89. WALL BY SIZE (WIDTH)	90. MATERIAL (2)	91. DEPTH (2)
----------------------------	--------------------------	------------------	---------------

MACP INSPECTION FORM

MANHOLE COMPONENT OBSERVATION SECTION

WALL (CONTINUED)

92. WALL LINING INTERIOR	93. WALL LINING EXTERIOR	94. WALL CONDITION (1) D = DEFECTIVE (AGGREGATE EXPOSED AND ERODING)
--------------------------	--------------------------	---

BENCH

95. BENCH PRESENT (2) Y = YES	96. BENCH MATERIAL (2) CN = CONCRETE	97. BENCH LINING	98. BENCH CONDITION (1) X = NOT KNOWN
----------------------------------	---	------------------	--

CHANNEL

99. CHANNEL INSTALLED (2)	100. CHANNEL MATERIAL (2)	101. TYPE (2)	102. EXPOSURE (2)
---------------------------	---------------------------	---------------	-------------------

103. CHANNEL CONDITION (1)

X = NOT KNOWN

STEPS

104. NUMBER (2) 8	105. MATERIAL (2) M = METAL, P = PLASTIC
----------------------	---

ADDITIONAL COMPONENT INFORMATION

106. ADDITIONAL COMPONENT INFORMATION

SURCHARGED MATERIAL (PAPER) DEPOSITED UP TO FRAME & LID. 3 INCH GRADE RING

PIPE CONNECTIONS

107. PIPE NO. (2)	108. CLOCK POS (2)	109. RIM TO INVERT (2)	110. DIRECTION (2)
1	6	18.6	O = OUT
2	12	14.3	I = IN
111. MATERIAL (2)	112. SHAPE (2)	113. HEIGHT (DIAM) (2)	114. WIDTH (2)
RCP	C = CIRCULAR	27	
PVC	C = CIRCULAR	18	
115. CONDITION (2)	116. SEAL CONDITION (2)	117. PIPE TYPE (2)	118. COMMENT
		GR = GRAVITY	
		GR = GRAVITY	

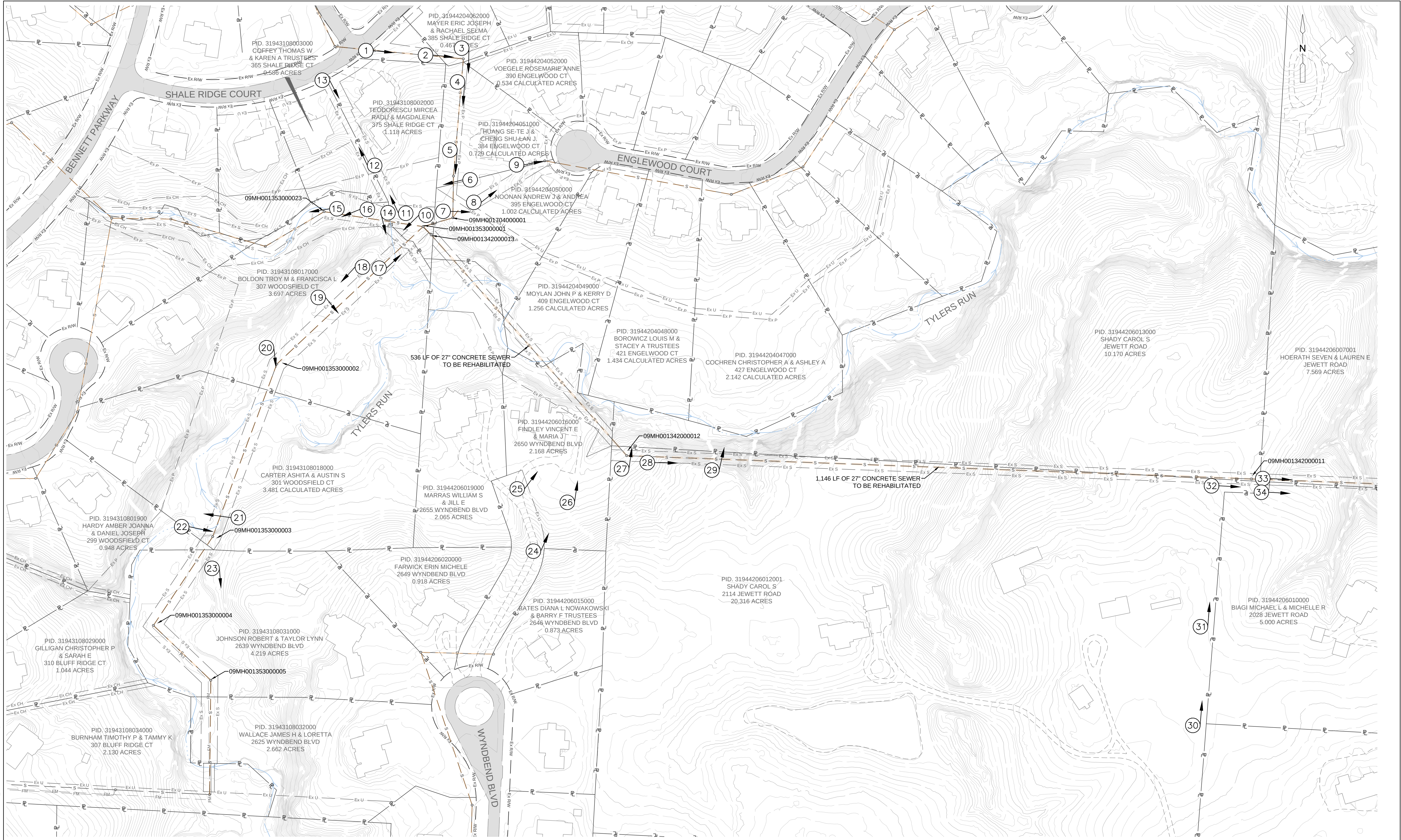
PHOTOS



Appendix D.

Site Access Photo Log

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	Int.	Mo./Dy./Yr.		Initials	Mo./Dy./Yr.
			Remarks		
				DES. AJM	5/15/25
				DWN. AJM	5/15/25
				CKD.	

DELAWARE COUNTY
REGIONAL SEWER DISTRICT (DCRSD)
DELAWARE COUNTY SANITARY
ENGINEERING OFFICE

GOLF VILLAGE FORCE MAIN
OUTFALL AND DOWNSTREAM
SEWER IMPROVEMENTS
PROJECT

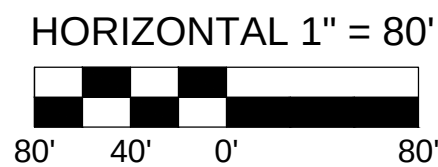


PHOTO LOG - SITE ACCESS

ISSUED STATUS: -

NO: RECORD

DATE ISSUED: 5/15/2025
Mo./Dy./Yr.



Picture 1: 01 - Shale Ridge Court Access East



Picture 2: 02 - Shale Ridge Court Access East



Picture 3: 03 - Shale Ridge Court Access East



Picture 4: 04 - Shale Ridge Court Access East



Picture 5: 05 - Shale Ridge Court Access East



Picture 6: 06 - Water Main Hookup & Valve



Picture 7: 07 - 09MH001704000001



Picture 8: 08 - Englewood Court Access



Picture 9: 09 - Englewood Court Access



Picture 10: 10 - 09MH001353000001



Picture 11: 11 - Shale Ridge Court Access West



Picture 12: 12 - Shale Ridge Court Access West



Picture 13: 13 - Shale Ridge Court Access West



Picture 14: 14 - Headwall



Picture 15: 15 - 09MH001353000023

Picture 16: 16 - 09MH001353000023 Overlook



Picture 17: 17 - 1st Stream Crossing



Picture 18: 18 - Liberty Hills Sewer Access



Picture 19: 19 - Trees & Brush



Picture 20: 20 - 09MH001353000002



Picture 21: 21 - Tylers Run Overlook



Picture 22: 22 - Stream Erosion at Manhole 03



Picture 23: 23 - Upper Bank & Lower Bank East of Sewer



Picture 24: 24 - 2650 Wyndbend Blvd Access



Picture 25: 25 - 2650 Wyndbend Blvd Access



Picture 26: 26 - 2650 Wyndbend Blvd Access



Picture 27: 27 - 09MH001342000012



Picture 28: 28 - Cliff Edge Near MH 12



Picture 29: 29 - Cliff Edge Overlook Stream Near MH 12



Picture 30: 30 - Manhole 11 Access (Rush)



Picture 31: 31 - Manhole 11 Access (Rush)



Picture 32: 32 - Power Lines Near Manhole 11



Picture 33: 33 - Easement East of Manhole 11



Picture 34: 34 - Cleared Power Lines East of Manhole 11

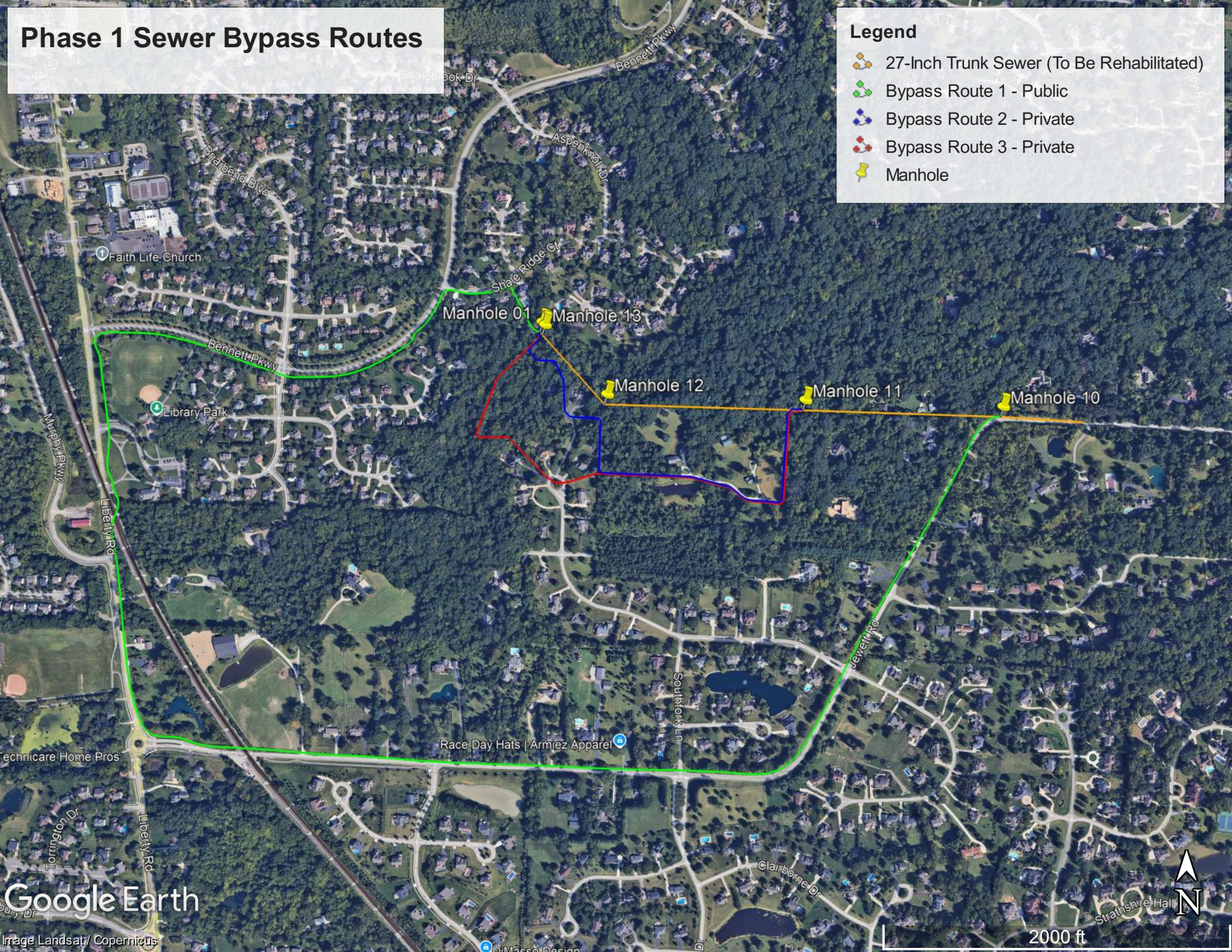
Appendix E.

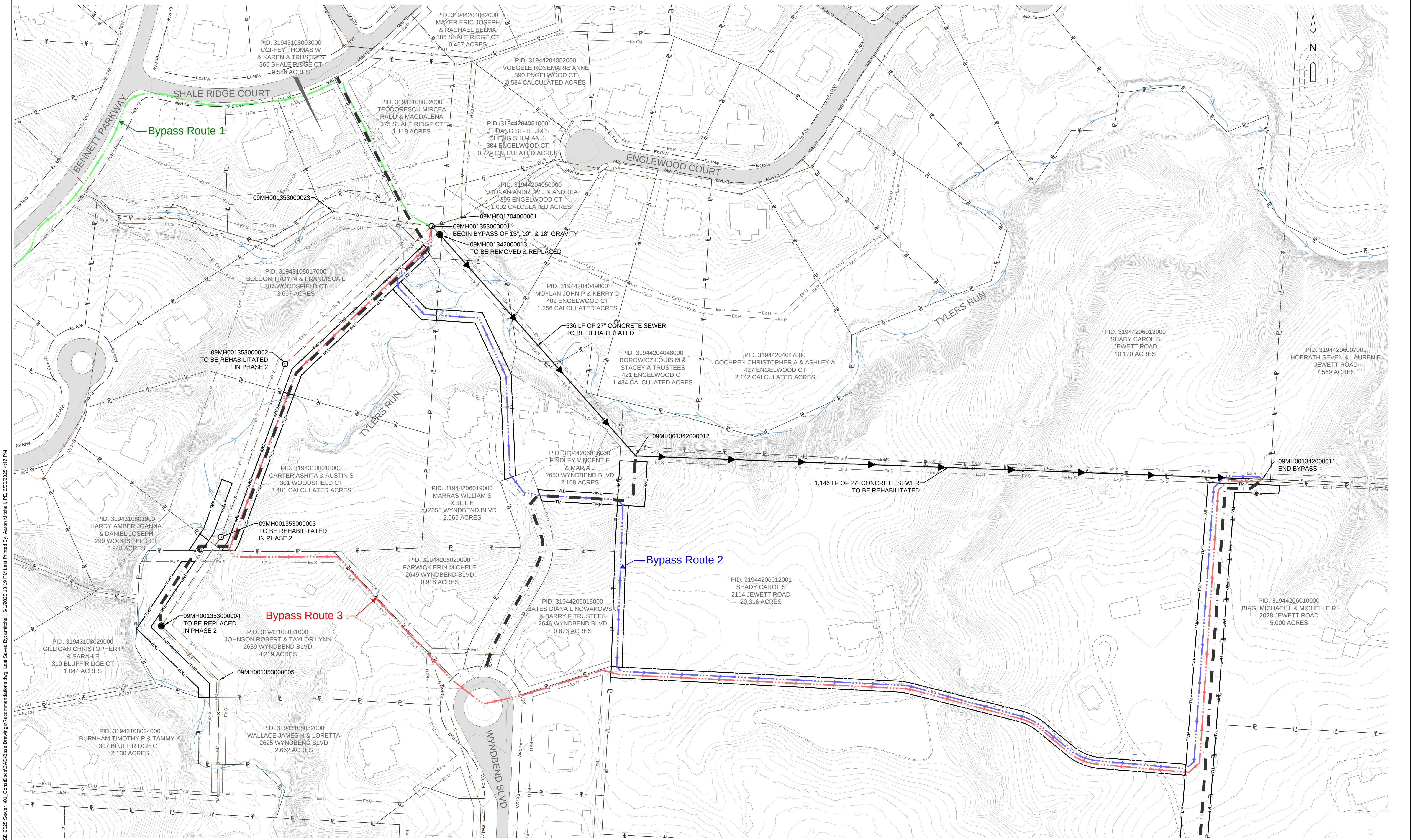
Proposed Sewer Bypass Routes

Phase 1 Sewer Bypass Routes

Legend

- 27-Inch Trunk Sewer (To Be Rehabilitated)
- Bypass Route 1 - Public
- Bypass Route 2 - Private
- Bypass Route 3 - Private
- Manhole





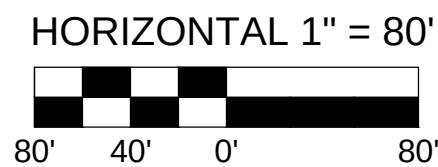
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			Remarks		
				DES. AJM	5/15/25
				DWN. AJM	5/15/25
				CKD.	

DELAWARE COUNTY
REGIONAL SEWER DISTRICT (DCRSD)
DELAWARE COUNTY SANITARY
ENGINEERING OFFICE

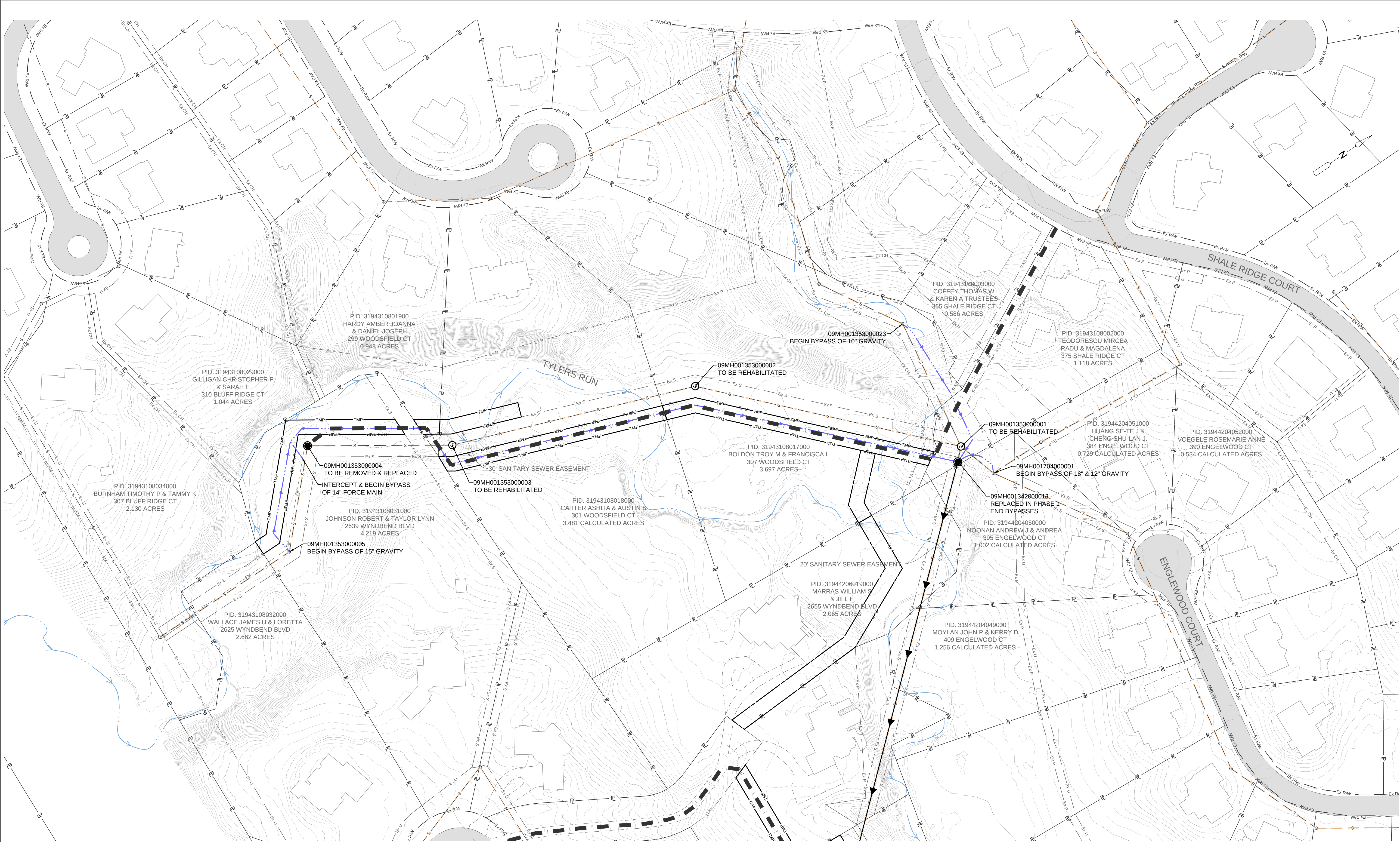
GOLF VILLAGE FORCE MAIN
OUTFALL AND DOWNSTREAM
SEWER IMPROVEMENTS
PROJECT



PROPOSED BYPASS PLAN PHASE 1
JEWETT ROAD TRUNK SEWER REHABILITATION

ISSUED STATUS:	-
NO:	RECORD
DATE ISSUED:	6/30/2025 Mo./Dy./Yr.

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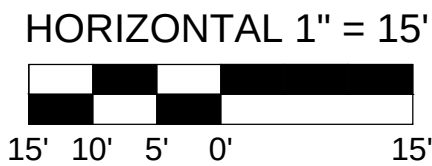


No.	BY	DATE	REVISIONS
	Int.	Mo./Dy./Yr.	
			Remarks

PROJ. PERSONNEL	DATE
Initials	Mo./Dy./Yr.
DES. AJM	5/15/25
DWN. AJM	5/15/25
CKD.	

DELAWARE COUNTY
REGIONAL SEWER DISTRICT (DCRSD)
DELAWARE COUNTY SANITARY
ENGINEERING OFFICE

GOLF VILLAGE FORCE MAIN
OUTFALL AND DOWNSTREAM
SEWER IMPROVEMENTS
PROJECT

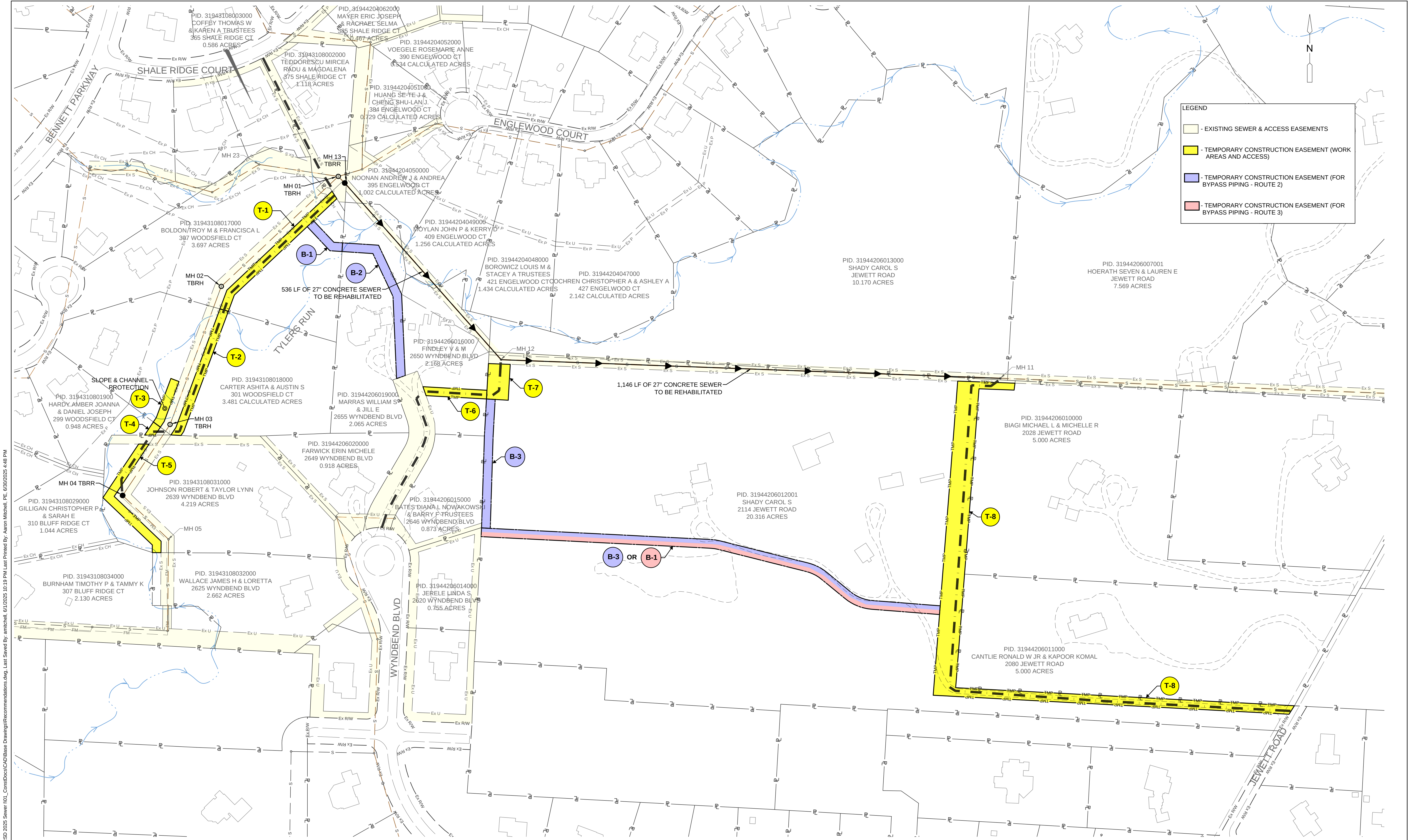


PROPOSED BYPASS PLAN PHASE 2
LIBERTY HILLS SEWER IMPROVEMENTS

ISSUED STATUS:	-
NO:	RECORD
	1
DATE ISSUED:	6/30/2025
	Mo./Dy./Yr.

Appendix F.

Proposed Easements and Access Plan



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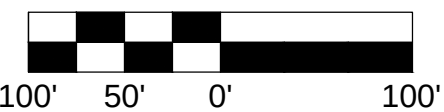
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				DES. AJM	5/15/25
				DWN. AJM	5/15/25
				CKD.	

DELAWARE COUNTY
REGIONAL SEWER DISTRICT (DCRSD)

DELAWARE COUNTY SANITARY
ENGINEERING OFFICE

GOLF VILLAGE FORCE MAIN
OUTFALL AND DOWNSTREAM
SEWER IMPROVEMENTS
PROJECT

HORIZONTAL 1" = 100'



PROPOSED EASEMENTS AND ACCESS PLAN

ISSUED STATUS: -

NO: RECORD

DATE ISSUED: 6/30/2025
Mo./Dy./Yr.