

EXHIBIT "B"

THE PLANS

PROPOSED DEVELOPMENT PLAN
 ZONE: A-1 (INDUSTRIAL)
 REMAINDER OF DODD & W, LLC PARENT TRACT (DALLE FARM)

TONING REQUIREMENTS
 R-3
 1. BUILDING HEIGHT: 35 FT
 2. BUILDING SETBACK: 10 FT
 3. GREENSPACE: 10%
 4. OPEN SPACE: 10%
 5. OPEN SPACE: 10%
 6. OPEN SPACE: 10%
 7. OPEN SPACE: 10%
 8. OPEN SPACE: 10%
 9. OPEN SPACE: 10%
 10. OPEN SPACE: 10%

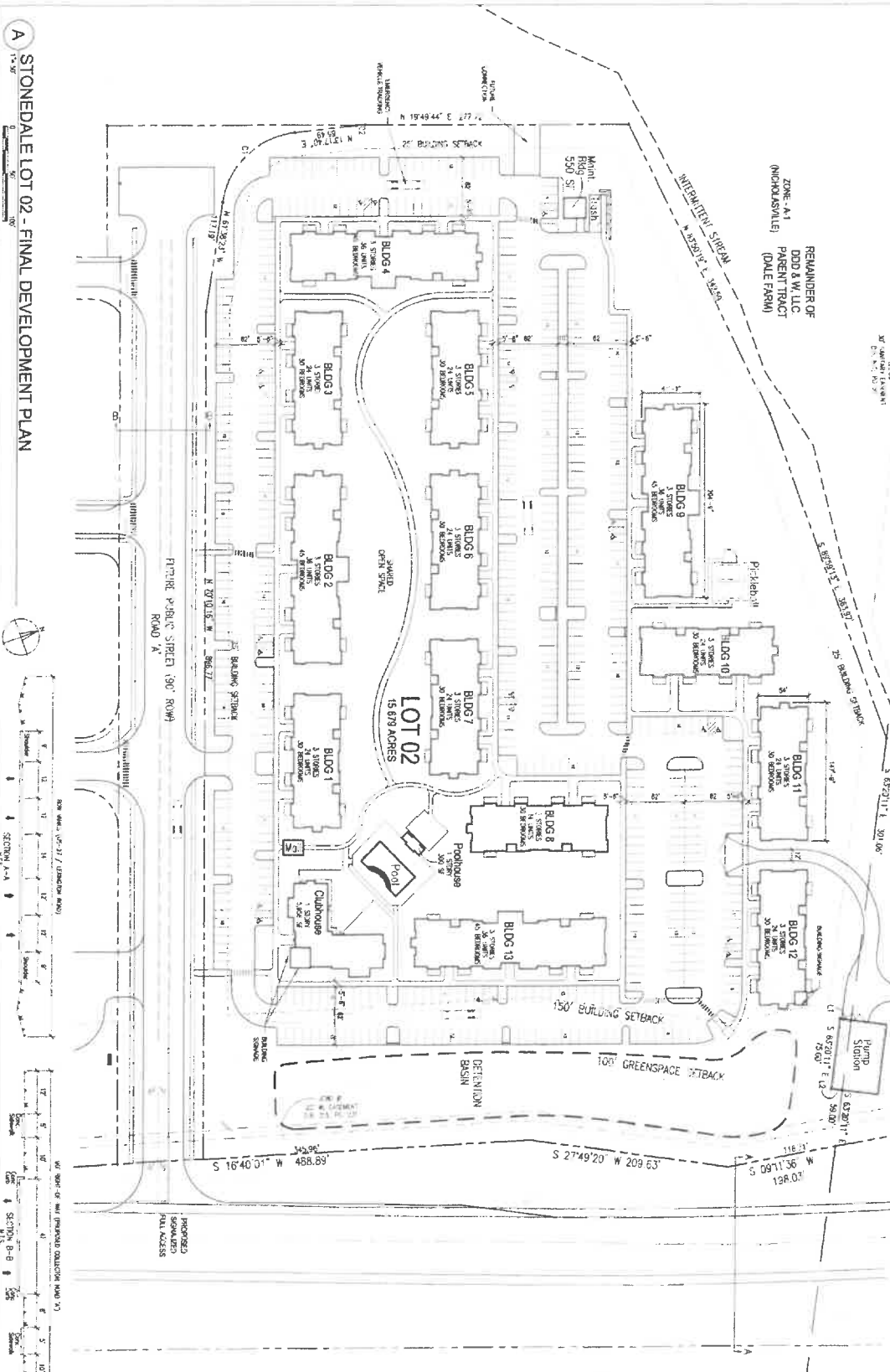
DEFLECTION NOTE
 DEFLECTION SHALL BE LIMITED TO THE AMOUNT SPECIFIED IN THIS PLAN TO MAINTAIN STRUCTURAL INTEGRITY AND TO PREVENT EXCESSIVE DEFLECTION OF STRUCTURAL MEMBERS. DEFLECTION SHALL BE LIMITED TO THE AMOUNT SPECIFIED IN THIS PLAN TO MAINTAIN STRUCTURAL INTEGRITY AND TO PREVENT EXCESSIVE DEFLECTION OF STRUCTURAL MEMBERS. DEFLECTION SHALL BE LIMITED TO THE AMOUNT SPECIFIED IN THIS PLAN TO MAINTAIN STRUCTURAL INTEGRITY AND TO PREVENT EXCESSIVE DEFLECTION OF STRUCTURAL MEMBERS.

OWNER'S CERTIFICATION
 I, the undersigned, certify that the information provided in this plan is true and correct to the best of my knowledge and belief. I understand that any false or misleading information provided in this plan may result in the denial of this plan and may constitute a criminal offense under the laws of the State of Tennessee.

PLANNING COMMISSION CERTIFICATION
 I, the undersigned, certify that the information provided in this plan is true and correct to the best of my knowledge and belief. I understand that any false or misleading information provided in this plan may result in the denial of this plan and may constitute a criminal offense under the laws of the State of Tennessee.

SITE STATISTICS - LOT 02
 TOTAL AREA: 15,679 SQ. FT. (0.357 ACRES)
 COVERED AREA: 10,000 SQ. FT. (0.229 ACRES)
 UNCOVERED AREA: 5,679 SQ. FT. (0.128 ACRES)
 TOTAL GREENSPACE: 1,000 SQ. FT. (0.023 ACRES)
 TOTAL OPEN SPACE: 1,000 SQ. FT. (0.023 ACRES)
 TOTAL PARKING: 100 SPACES
 TOTAL GARAGES: 0 SPACES
 TOTAL DRIVEWAYS: 10 SPACES
 TOTAL BIKE RACKS: 0 SPACES
 TOTAL BIKE STORAGE: 0 SPACES
 TOTAL BIKE REPAIR: 0 SPACES
 TOTAL BIKE WASH: 0 SPACES
 TOTAL BIKE STORAGE: 0 SPACES
 TOTAL BIKE REPAIR: 0 SPACES
 TOTAL BIKE WASH: 0 SPACES

NOTES
 1. ALL DIMENSIONS ARE IN FEET AND INCHES.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 7. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.



PROPOSED PROPERTY LINE BEARING TABLE

LINE	BEARING	DISTANCE	AREA
1	S 27°49'20" W	209.63'	458.89'
2	S 09°11'36" W	198.03'	116.13'
3	S 63°20'17" E	50.00'	250.00'
4	S 63°20'17" E	12.00'	72.00'
5	S 63°20'17" E	12.00'	72.00'
6	S 63°20'17" E	12.00'	72.00'
7	S 63°20'17" E	12.00'	72.00'
8	S 63°20'17" E	12.00'	72.00'
9	S 63°20'17" E	12.00'	72.00'
10	S 63°20'17" E	12.00'	72.00'
11	S 63°20'17" E	12.00'	72.00'
12	S 63°20'17" E	12.00'	72.00'
13	S 63°20'17" E	12.00'	72.00'
14	S 63°20'17" E	12.00'	72.00'
15	S 63°20'17" E	12.00'	72.00'
16	S 63°20'17" E	12.00'	72.00'
17	S 63°20'17" E	12.00'	72.00'
18	S 63°20'17" E	12.00'	72.00'
19	S 63°20'17" E	12.00'	72.00'
20	S 63°20'17" E	12.00'	72.00'
21	S 63°20'17" E	12.00'	72.00'
22	S 63°20'17" E	12.00'	72.00'
23	S 63°20'17" E	12.00'	72.00'
24	S 63°20'17" E	12.00'	72.00'
25	S 63°20'17" E	12.00'	72.00'
26	S 63°20'17" E	12.00'	72.00'
27	S 63°20'17" E	12.00'	72.00'
28	S 63°20'17" E	12.00'	72.00'
29	S 63°20'17" E	12.00'	72.00'
30	S 63°20'17" E	12.00'	72.00'
31	S 63°20'17" E	12.00'	72.00'
32	S 63°20'17" E	12.00'	72.00'
33	S 63°20'17" E	12.00'	72.00'
34	S 63°20'17" E	12.00'	72.00'
35	S 63°20'17" E	12.00'	72.00'
36	S 63°20'17" E	12.00'	72.00'
37	S 63°20'17" E	12.00'	72.00'
38	S 63°20'17" E	12.00'	72.00'
39	S 63°20'17" E	12.00'	72.00'
40	S 63°20'17" E	12.00'	72.00'
41	S 63°20'17" E	12.00'	72.00'
42	S 63°20'17" E	12.00'	72.00'
43	S 63°20'17" E	12.00'	72.00'
44	S 63°20'17" E	12.00'	72.00'
45	S 63°20'17" E	12.00'	72.00'
46	S 63°20'17" E	12.00'	72.00'
47	S 63°20'17" E	12.00'	72.00'
48	S 63°20'17" E	12.00'	72.00'
49	S 63°20'17" E	12.00'	72.00'
50	S 63°20'17" E	12.00'	72.00'
51	S 63°20'17" E	12.00'	72.00'
52	S 63°20'17" E	12.00'	72.00'
53	S 63°20'17" E	12.00'	72.00'
54	S 63°20'17" E	12.00'	72.00'
55	S 63°20'17" E	12.00'	72.00'
56	S 63°20'17" E	12.00'	72.00'
57	S 63°20'17" E	12.00'	72.00'
58	S 63°20'17" E	12.00'	72.00'
59	S 63°20'17" E	12.00'	72.00'
60	S 63°20'17" E	12.00'	72.00'
61	S 63°20'17" E	12.00'	72.00'
62	S 63°20'17" E	12.00'	72.00'
63	S 63°20'17" E	12.00'	72.00'
64	S 63°20'17" E	12.00'	72.00'
65	S 63°20'17" E	12.00'	72.00'
66	S 63°20'17" E	12.00'	72.00'
67	S 63°20'17" E	12.00'	72.00'
68	S 63°20'17" E	12.00'	72.00'
69	S 63°20'17" E	12.00'	72.00'
70	S 63°20'17" E	12.00'	72.00'
71	S 63°20'17" E	12.00'	72.00'
72	S 63°20'17" E	12.00'	72.00'
73	S 63°20'17" E	12.00'	72.00'
74	S 63°20'17" E	12.00'	72.00'
75	S 63°20'17" E	12.00'	72.00'
76	S 63°20'17" E	12.00'	72.00'
77	S 63°20'17" E	12.00'	72.00'
78	S 63°20'17" E	12.00'	72.00'
79	S 63°20'17" E	12.00'	72.00'
80	S 63°20'17" E	12.00'	72.00'
81	S 63°20'17" E	12.00'	72.00'
82	S 63°20'17" E	12.00'	72.00'
83	S 63°20'17" E	12.00'	72.00'
84	S 63°20'17" E	12.00'	72.00'
85	S 63°20'17" E	12.00'	72.00'
86	S 63°20'17" E	12.00'	72.00'
87	S 63°20'17" E	12.00'	72.00'
88	S 63°20'17" E	12.00'	72.00'
89	S 63°20'17" E	12.00'	72.00'
90	S 63°20'17" E	12.00'	72.00'
91	S 63°20'17" E	12.00'	72.00'
92	S 63°20'17" E	12.00'	72.00'
93	S 63°20'17" E	12.00'	72.00'
94	S 63°20'17" E	12.00'	72.00'
95	S 63°20'17" E	12.00'	72.00'
96	S 63°20'17" E	12.00'	72.00'
97	S 63°20'17" E	12.00'	72.00'
98	S 63°20'17" E	12.00'	72.00'
99	S 63°20'17" E	12.00'	72.00'
100	S 63°20'17" E	12.00'	72.00'

DEVELOPER: REMAINDER OF DODD & W, LLC PARENT TRACT (DALLE FARM)

DESIGNER: CMW CONSULTANTS, INC. 15-27 / TERRAPIN BLVD. MONROESTALE, TENNESSEE 37135

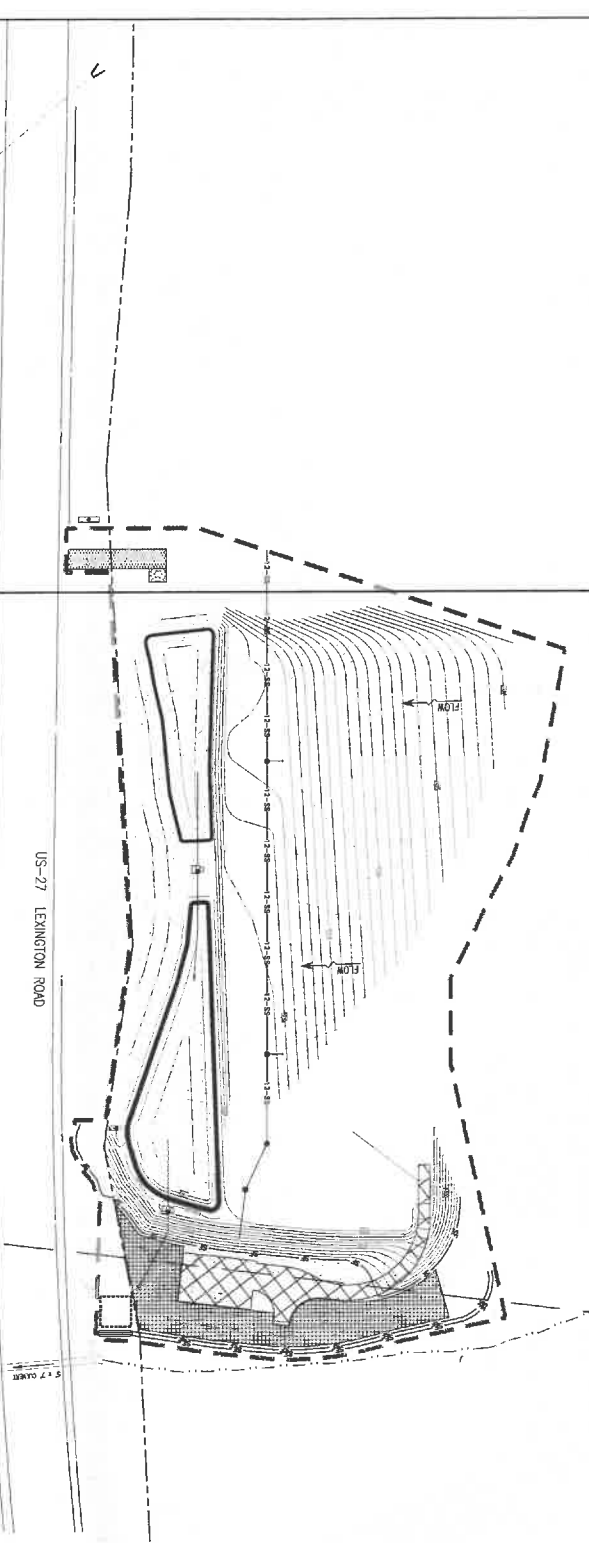
DATE: FEB 2, 2028

PROJECT: FINAL DEVELOPMENT PLAN

LOT 02

CMW CONSULTANTS, INC.
 15-27 / TERRAPIN BLVD.
 MONROESTALE, TENNESSEE 37135
 (615) 794-1111
 WWW.CMWCONSULTANTS.COM

MATCH LINE



LEGEND

GENERAL NOTES

BEST MANAGEMENT PRACTICES

- 1. PHASE 2 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:
- 2. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- 3. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED AND CONSTRUCTED TO PREVENT SOIL EROSION AND SEDIMENTATION.
- 4. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 5. ALL EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.
- 6. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED TO PREVENT SOIL EROSION AND SEDIMENTATION.
- 7. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 8. ALL EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.
- 9. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED TO PREVENT SOIL EROSION AND SEDIMENTATION.
- 10. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 11. ALL EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.
- 12. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED TO PREVENT SOIL EROSION AND SEDIMENTATION.
- 13. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 14. ALL EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.
- 15. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED TO PREVENT SOIL EROSION AND SEDIMENTATION.
- 16. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 17. ALL EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.
- 18. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED TO PREVENT SOIL EROSION AND SEDIMENTATION.
- 19. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 20. ALL EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.

- SEQUENCE**
1. PREPARE EROSION CONTROL PLAN
 2. INSTALL EROSION CONTROL MEASURES
 3. MAINTAIN EROSION CONTROL MEASURES
 4. REMOVE EROSION CONTROL MEASURES
 5. RESTORE EROSION CONTROL MEASURES
 6. MONITOR EROSION CONTROL MEASURES
 7. REPORT EROSION CONTROL MEASURES
 8. APPROVE EROSION CONTROL MEASURES
 9. COMPLETE EROSION CONTROL MEASURES
 10. MAINTAIN EROSION CONTROL MEASURES
 11. REMOVE EROSION CONTROL MEASURES
 12. RESTORE EROSION CONTROL MEASURES
 13. MONITOR EROSION CONTROL MEASURES
 14. REPORT EROSION CONTROL MEASURES
 15. APPROVE EROSION CONTROL MEASURES
 16. COMPLETE EROSION CONTROL MEASURES
 17. MAINTAIN EROSION CONTROL MEASURES
 18. REMOVE EROSION CONTROL MEASURES
 19. RESTORE EROSION CONTROL MEASURES
 20. MONITOR EROSION CONTROL MEASURES
 21. REPORT EROSION CONTROL MEASURES
 22. APPROVE EROSION CONTROL MEASURES
 23. COMPLETE EROSION CONTROL MEASURES
 24. MAINTAIN EROSION CONTROL MEASURES
 25. REMOVE EROSION CONTROL MEASURES
 26. RESTORE EROSION CONTROL MEASURES
 27. MONITOR EROSION CONTROL MEASURES
 28. REPORT EROSION CONTROL MEASURES
 29. APPROVE EROSION CONTROL MEASURES
 30. COMPLETE EROSION CONTROL MEASURES

DESCRIPTION

DESCRIPTION OF BEST CONTROL MEASURES TO BE USED

CONSTRUCTION

CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

13. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

15. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

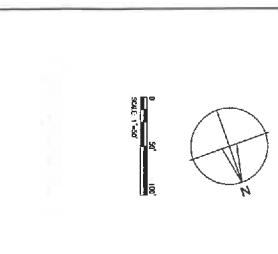
16. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

17. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

18. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

19. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:

20. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING NOTES:



PHASE 2 STAGING AND EROSION SEDIMENT CONTROL PLAN - SWPPP

STONEDALE - SITE DEVELOPMENT
4610 NICHOLASVILLE RD (US-27)
NICHOLASVILLE, KENTUCKY

CMW

C-002-1

24083311

2024



PHASE 2.2 NOTES

1. SHEET 2.1 CONTAINS DRAWING OF THE SITE TO BE CONSTRUCTION AND THE PHASE 2.2 CONSTRUCTION SHALL BE SHEET 2.2.2.
2. PROVISIONS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
4. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
5. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
6. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
7. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
8. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
9. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
10. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
11. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
12. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
13. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
14. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
15. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
16. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
17. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
18. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
19. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
20. SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

DESCRIPTION

CONSTRUCTION OF SHEET 2.2.1 SHALL BE THE BEST.

SEQUENCE

1. CLEARING, GRADING, AND DRAINAGE SHALL BE THE FIRST TO BE COMPLETED.
2. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
3. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
4. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
5. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
6. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
7. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
8. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
9. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
10. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
11. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
12. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
13. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
14. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
15. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
16. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
17. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
18. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
19. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.
20. FOUNDATION SHALL BE COMPLETED BEFORE THE START OF THE CONSTRUCTION OF THE BUILDING.

ENVIRONMENTAL PROTECTION CONTACT INFORMATION

NAME: [REDACTED]
 PHONE: [REDACTED]
 ADDRESS: [REDACTED]
 CITY: [REDACTED]
 STATE: [REDACTED]
 ZIP: [REDACTED]

GENERAL NOTES

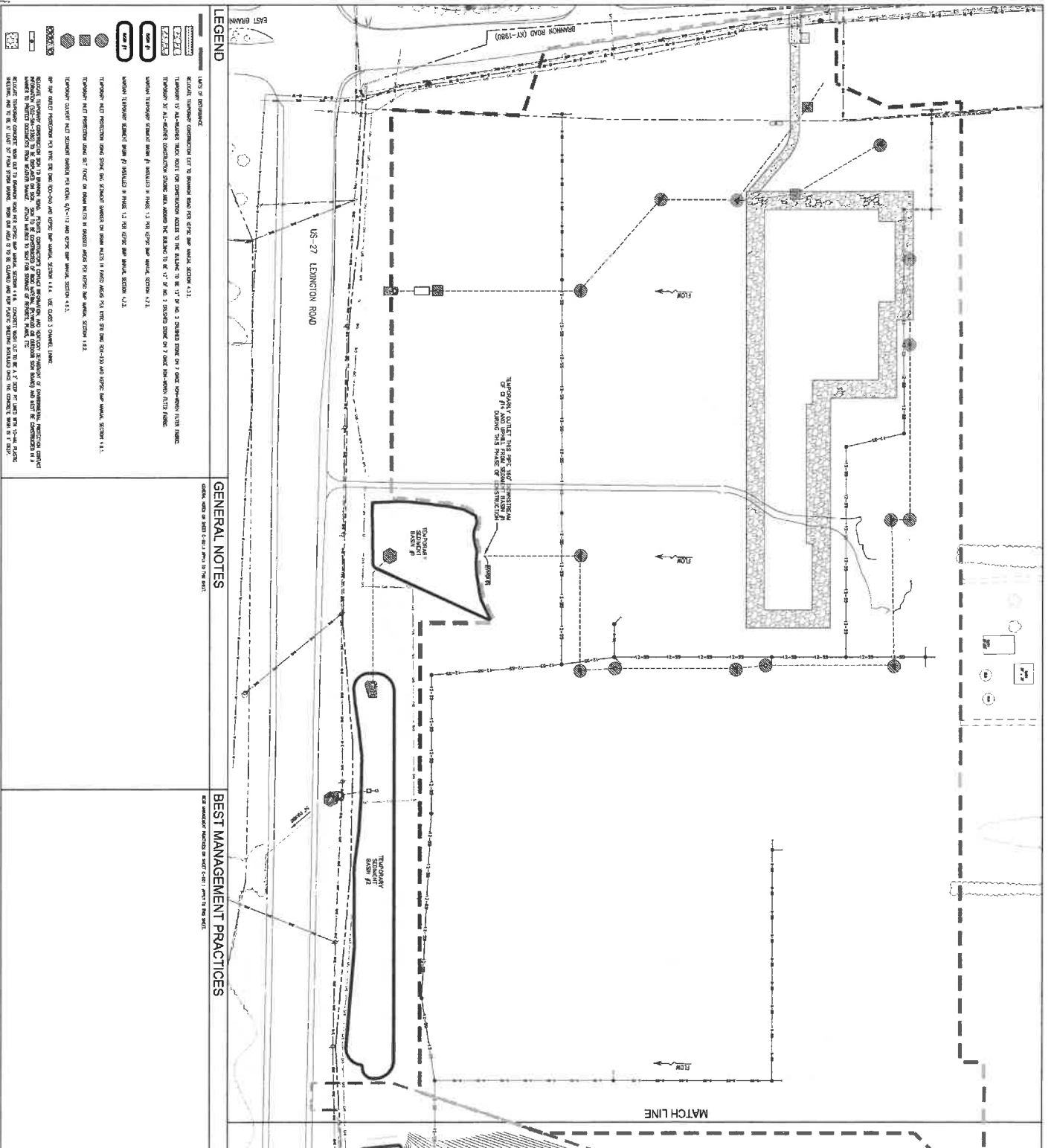
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
13. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
15. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
16. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
17. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
18. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
19. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
20. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.

BEST MANAGEMENT PRACTICES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
13. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
15. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
16. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
17. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
18. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
19. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
20. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY CONSTRUCTION STANDARDS AND SPECIFICATIONS.

LEGEND

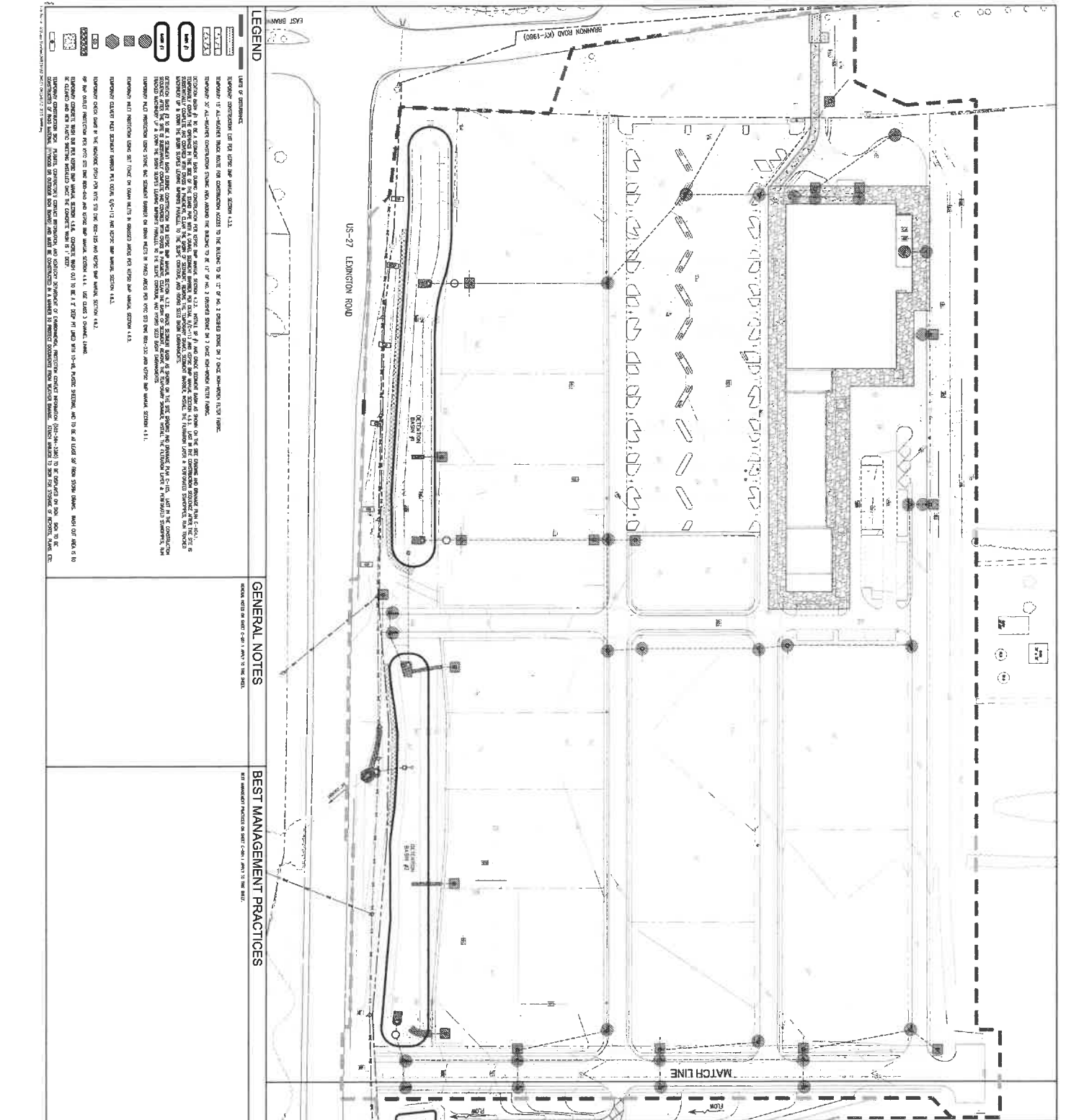
- 1. [Symbol] [Description]
- 2. [Symbol] [Description]
- 3. [Symbol] [Description]
- 4. [Symbol] [Description]
- 5. [Symbol] [Description]
- 6. [Symbol] [Description]
- 7. [Symbol] [Description]
- 8. [Symbol] [Description]
- 9. [Symbol] [Description]
- 10. [Symbol] [Description]
- 11. [Symbol] [Description]
- 12. [Symbol] [Description]
- 13. [Symbol] [Description]
- 14. [Symbol] [Description]
- 15. [Symbol] [Description]
- 16. [Symbol] [Description]
- 17. [Symbol] [Description]
- 18. [Symbol] [Description]
- 19. [Symbol] [Description]
- 20. [Symbol] [Description]



PHASE 2 STAGING AND EROSION SEDIMENT CONTROL PLAN - SWPPP

STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

Project Number: 2405301
 Date: 8/20/2024
 C-0022



PHASE 3.2 NOTES

1. PERMIT 13 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PERMIT 13 CONSTRUCTION MANUAL FOR PERMIT 13-0011.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
3. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
4. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
5. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
6. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
7. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
8. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
9. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
10. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.

DESCRIPTION

DESCRIPTION OF BEST MANAGEMENT PRACTICES TO BE USED.

SEQUENCE

1. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
3. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
4. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
5. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
6. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
7. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
8. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
9. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.
10. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT SOIL EROSION AND SEDIMENTATION.

ENVIRONMENTAL PROTECTION CONTRACT INFORMATION

NAME: [Redacted] PHONE: [Redacted]
 ADDRESS: [Redacted] CITY: [Redacted] STATE: [Redacted] ZIP: [Redacted]
 LICENSE NO.: [Redacted] EXPIRES: [Redacted]

GENERAL NOTES

GENERAL NOTES AND SPECIFICATIONS TO BE USED FOR THE BEST MANAGEMENT PRACTICES TO BE USED.

BEST MANAGEMENT PRACTICES

BEST MANAGEMENT PRACTICES TO BE USED FOR THE BEST MANAGEMENT PRACTICES TO BE USED.

LEGEND

LEGEND OF BEST MANAGEMENT PRACTICES TO BE USED FOR THE BEST MANAGEMENT PRACTICES TO BE USED.

PHASE 3 STAGING AND EROSION SEDIMENT CONTROL PLAN - SWPPP

STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

DATE: 08/20/2024
 DRAWN BY: [Redacted]
 CHECKED BY: [Redacted]



Professional Engineer
 License No. 10000
 State of Kentucky
 Exp. 12/31/2025

Project Number: 24003.01
 Date: 08/20/2024

Scale: 1" = 40' (Horizontal)
 1" = 20' (Vertical)

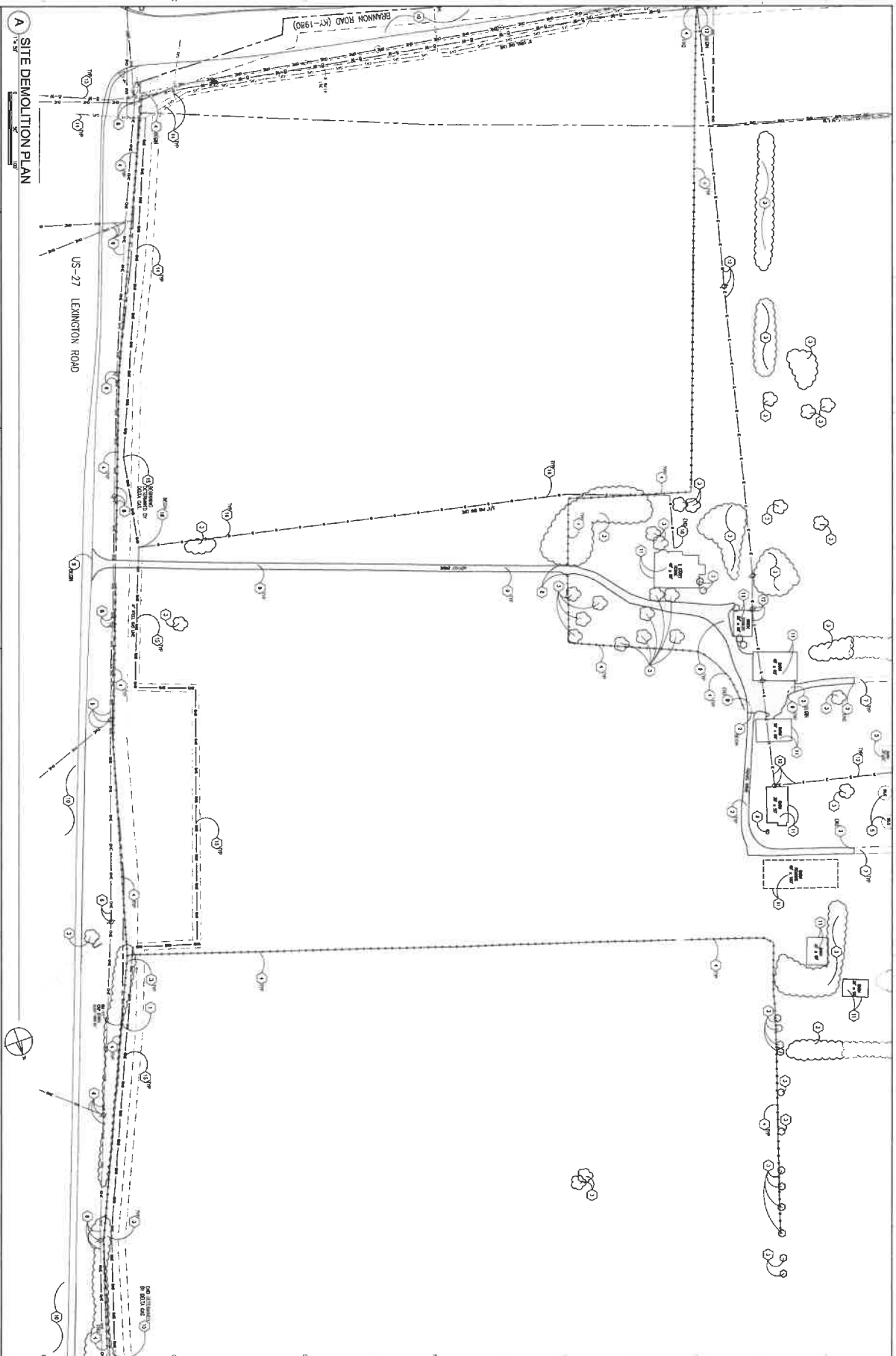
North Arrow

Scale: 0, 20, 40 Feet

Project Number: 24003.01
 Date: 08/20/2024

Project Name: STONEDALE - SITE DEVELOPMENT
 Address: 4610 NICHOLASVILLE RD (US-27)
 City: NICHOLASVILLE, KY

Project Number: 24003.2



A SITE DEMOLITION PLAN

GENERAL NOTES

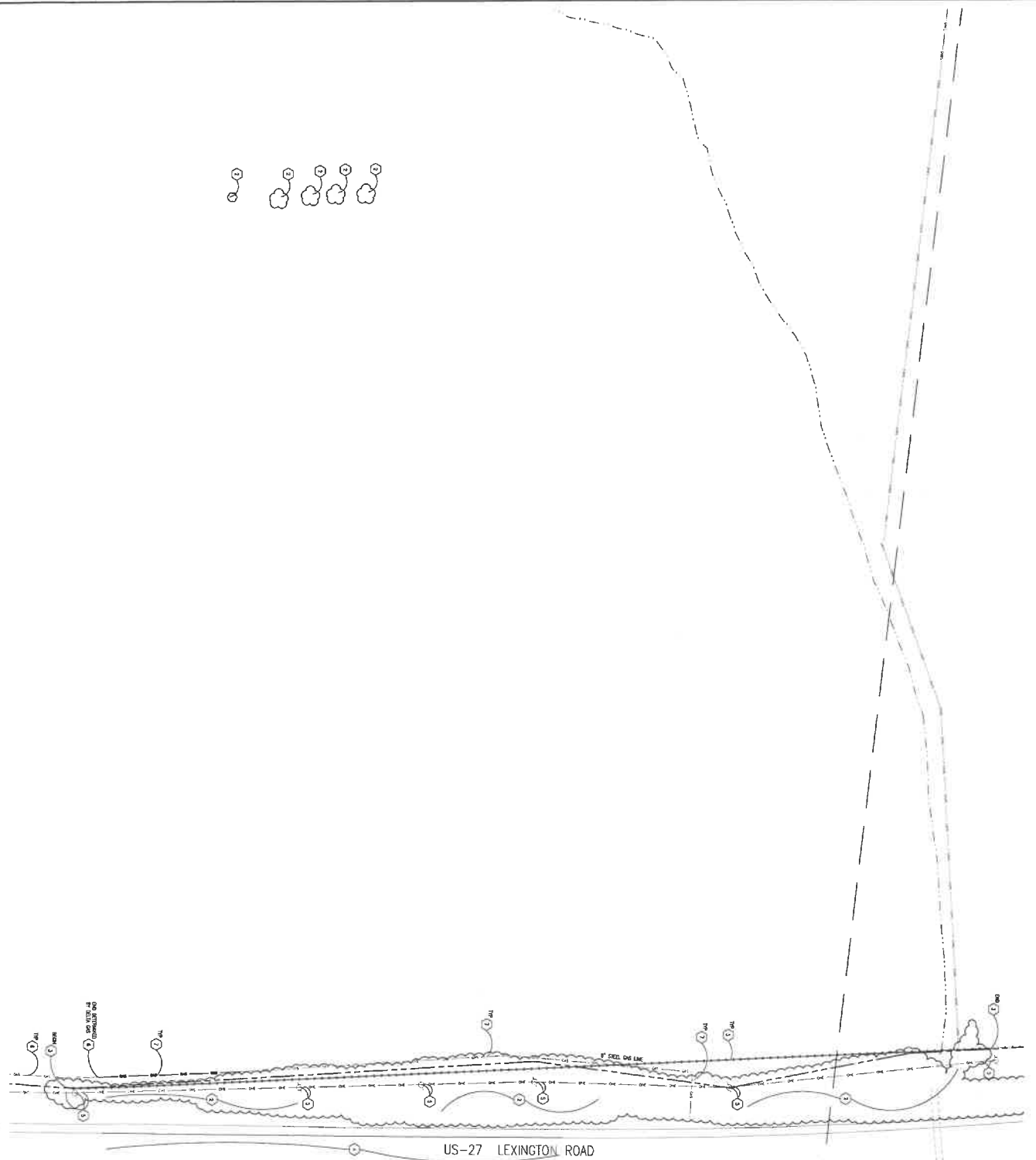
1. MATERIALS TO BE REMOVED ARE TO BE REMOVED AND THE DEBRIS TO BE REMOVED TO BE REMOVED TO THE NEAREST APPROPRIATE DISPOSAL FACILITY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL SANITATION DEPARTMENT.

KEYED NOTES

1. DEMOLITION OF BUILDING 101 TO BE COMPLETED BY 10/15/2023.
2. DEMOLITION OF BUILDING 102 TO BE COMPLETED BY 10/15/2023.
3. DEMOLITION OF BUILDING 103 TO BE COMPLETED BY 10/15/2023.
4. DEMOLITION OF BUILDING 104 TO BE COMPLETED BY 10/15/2023.
5. DEMOLITION OF BUILDING 105 TO BE COMPLETED BY 10/15/2023.
6. DEMOLITION OF BUILDING 106 TO BE COMPLETED BY 10/15/2023.
7. DEMOLITION OF BUILDING 107 TO BE COMPLETED BY 10/15/2023.
8. DEMOLITION OF BUILDING 108 TO BE COMPLETED BY 10/15/2023.
9. DEMOLITION OF BUILDING 109 TO BE COMPLETED BY 10/15/2023.
10. DEMOLITION OF BUILDING 110 TO BE COMPLETED BY 10/15/2023.
11. DEMOLITION OF BUILDING 111 TO BE COMPLETED BY 10/15/2023.
12. DEMOLITION OF BUILDING 112 TO BE COMPLETED BY 10/15/2023.
13. DEMOLITION OF BUILDING 113 TO BE COMPLETED BY 10/15/2023.
14. DEMOLITION OF BUILDING 114 TO BE COMPLETED BY 10/15/2023.
15. DEMOLITION OF BUILDING 115 TO BE COMPLETED BY 10/15/2023.
16. DEMOLITION OF BUILDING 116 TO BE COMPLETED BY 10/15/2023.
17. DEMOLITION OF BUILDING 117 TO BE COMPLETED BY 10/15/2023.
18. DEMOLITION OF BUILDING 118 TO BE COMPLETED BY 10/15/2023.
19. DEMOLITION OF BUILDING 119 TO BE COMPLETED BY 10/15/2023.
20. DEMOLITION OF BUILDING 120 TO BE COMPLETED BY 10/15/2023.

<p>STONEDALE - SITE DEVELOPMENT 4610 NICHOLASVILLE RD (US-27) NICHOLASVILLE, KENTUCKY</p>			
<p>DATE: 10/15/2023 DRAWN BY: [Name] CHECKED BY: [Name]</p>	<p>PROJECT NO: 240552.01 SHEET NO: 1 OF 1</p>	<p>C-101.1</p>	

A
SITE DEMOLITION PLAN



GENERAL NOTES

1. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
2. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
3. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
4. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
5. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
6. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
7. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
8. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
9. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.
10. ALL EXISTING UTILITIES TO BE REMOVED BY CONTRACTOR FROM THE PROJECT SITE.

KEYED NOTES

1. TO BE DEMOLISHED BY CONTRACTOR.
2. TO BE DEMOLISHED BY CONTRACTOR.
3. TO BE DEMOLISHED BY CONTRACTOR.
4. TO BE DEMOLISHED BY CONTRACTOR.
5. TO BE DEMOLISHED BY CONTRACTOR.
6. TO BE DEMOLISHED BY CONTRACTOR.
7. TO BE DEMOLISHED BY CONTRACTOR.
8. TO BE DEMOLISHED BY CONTRACTOR.
9. TO BE DEMOLISHED BY CONTRACTOR.
10. TO BE DEMOLISHED BY CONTRACTOR.



Professional Engineer
Kentucky License No. 1012
10/11/2012

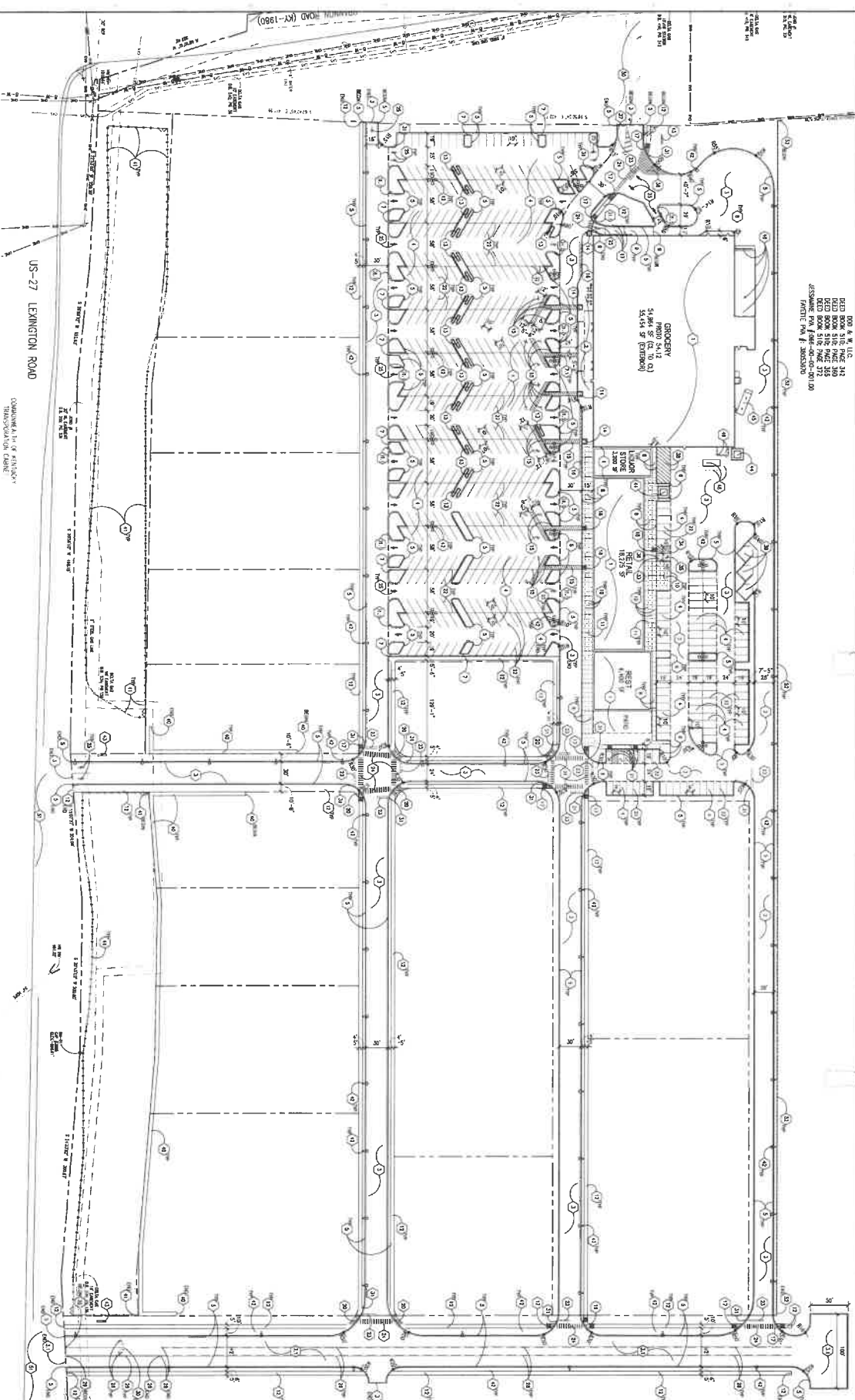


SITE DEMOLITION PLAN
STONEDALE - SITE DEVELOPMENT
4610 NICHOLASVILLE RD (US-27)
NICHOLASVILLE, KENTUCKY

DATE	NO.

PROJECT NO. 24053101
DATE 10/11/2012
C-101.2

000 N. W. U.S. 27
 54,544 SQ. FEET (1.0 A)
 54,544 SQ. FEET (1.0 A)
 54,544 SQ. FEET (1.0 A)
 54,544 SQ. FEET (1.0 A)
 54,544 SQ. FEET (1.0 A)



GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
4. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
10. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
12. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
14. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
16. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
18. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
20. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
22. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
24. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
26. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
28. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
30. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.

KEYED NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL PLUMBING CODE (IPC).
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
4. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
10. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
12. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
14. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
16. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
18. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
20. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
22. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
24. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
26. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING ON THE SITE.
28. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND SIDEWALKS.
29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND VEGETATION ON THE SITE.
30. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAYS AND PAVEMENT.

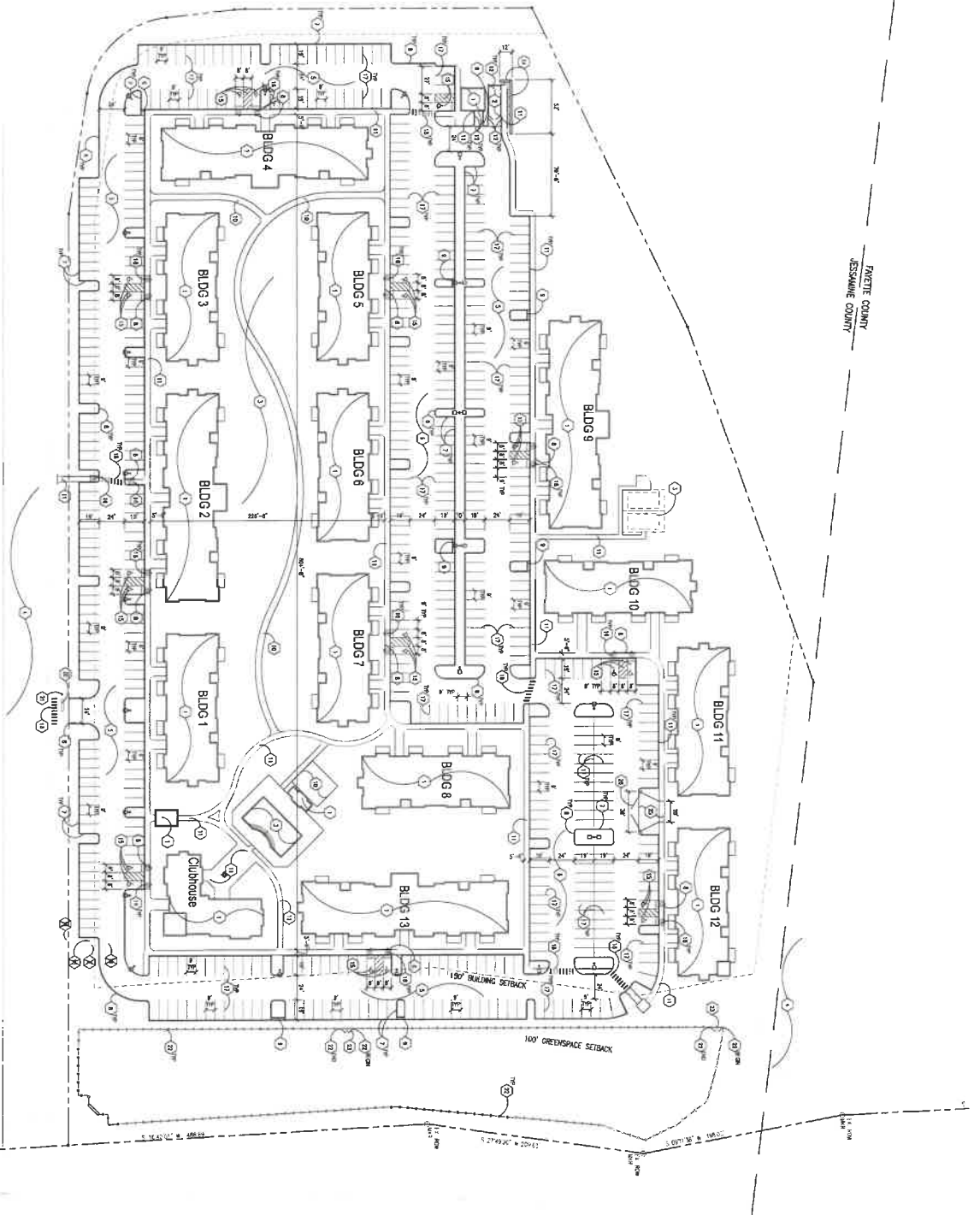
SITE LAYOUT AND DIMENSIONING PLAN
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



Project Name	STONEDALE
Client	STONEDALE
Site No.	24053.01
Scale	AS SHOWN
Date	11/14/23
Drawn By	CMW
Checked By	CMW
Project No.	24053.01
Sheet No.	1

C-102.1
 11/14/23

RACINE COUNTY
LEXINGTON COUNTY



US-27 LEXINGTON ROAD

A SITE LAYOUT PLAN

GENERAL NOTES

1. ALL DIMENSIONS ARE UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
5. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
8. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
9. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
10. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
11. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
12. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
13. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
14. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
15. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
16. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
17. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
18. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
19. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
20. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
21. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
22. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
23. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
24. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.

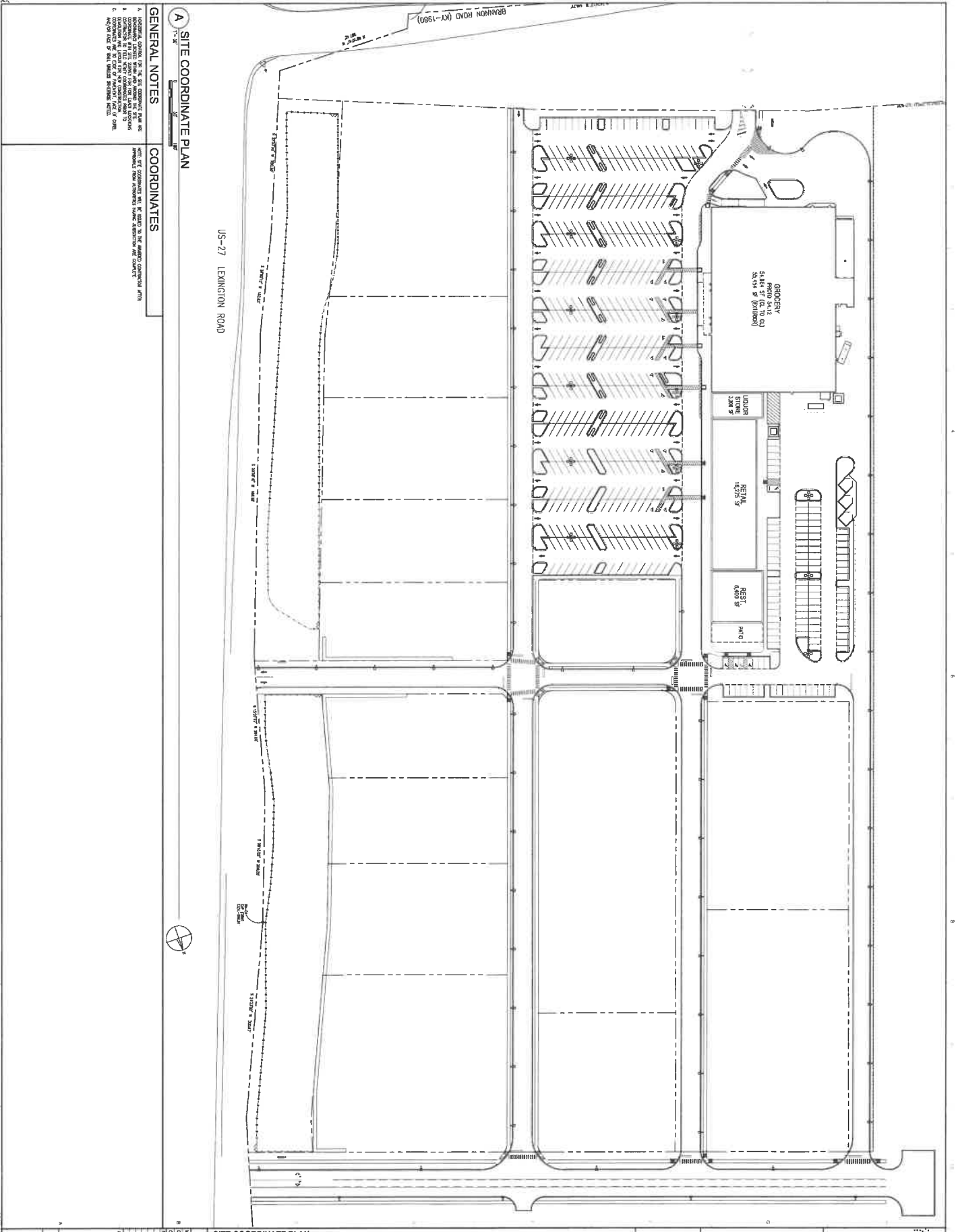
KEYED NOTES

1. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
2. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
3. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
4. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
5. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
6. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
7. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
8. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
9. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
10. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
11. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
12. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
13. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
14. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
15. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
16. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
17. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
18. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
19. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
20. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
21. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
22. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
23. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:
24. CONSTRUCTION SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE FOLLOWING:



SITE LAYOUT PLAN
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

C-1022
 24653.01
 8.2023



A SITE COORDINATE PLAN

GENERAL NOTES

1. GENERAL NOTES SHALL BE USED IN THE AMENDED CONSTRUCTION PERMITS.

2. COORDINATE POINTS SHALL BE USED TO LOCATE ALL STRUCTURES AND UTILITIES.

3. COORDINATE POINTS SHALL BE USED TO LOCATE ALL UTILITIES AND STRUCTURES.

4. COORDINATE POINTS SHALL BE USED TO LOCATE ALL UTILITIES AND STRUCTURES.

5. COORDINATE POINTS SHALL BE USED TO LOCATE ALL UTILITIES AND STRUCTURES.

6. COORDINATE POINTS SHALL BE USED TO LOCATE ALL UTILITIES AND STRUCTURES.

7. COORDINATE POINTS SHALL BE USED TO LOCATE ALL UTILITIES AND STRUCTURES.

8. COORDINATE POINTS SHALL BE USED TO LOCATE ALL UTILITIES AND STRUCTURES.

9. COORDINATE POINTS SHALL BE USED TO LOCATE ALL UTILITIES AND STRUCTURES.

10. COORDINATE POINTS SHALL BE USED TO LOCATE ALL UTILITIES AND STRUCTURES.

COORDINATES

US-27 LEXINGTON ROAD

SITE COORDINATE PLAN

STONEDALE - SITE DEVELOPMENT

4610 NICHOLASVILLE RD (US-27)

NICHOLASVILLE, KENTUCKY

DESIGNED BY: CMW

DATE: 08/11/2023

PROJECT NO: 24053.01

SCALE: AS SHOWN

PROJECT LOCATION: 4610 NICHOLASVILLE RD, NICHOLASVILLE, KY

PROJECT OWNER: [REDACTED]

PROJECT CONTACT: [REDACTED]

PROJECT PHONE: [REDACTED]

PROJECT FAX: [REDACTED]

PROJECT EMAIL: [REDACTED]

PROJECT WEBSITE: [REDACTED]

C-103.1

PROJECT NO: 24053.01

DATE: 08/11/2023

SCALE: AS SHOWN

PROJECT LOCATION: 4610 NICHOLASVILLE RD, NICHOLASVILLE, KY

PROJECT OWNER: [REDACTED]

PROJECT CONTACT: [REDACTED]

PROJECT PHONE: [REDACTED]

PROJECT FAX: [REDACTED]

PROJECT EMAIL: [REDACTED]

PROJECT WEBSITE: [REDACTED]



CMW CONSULTANTS INC.

1000 NICHOLASVILLE RD

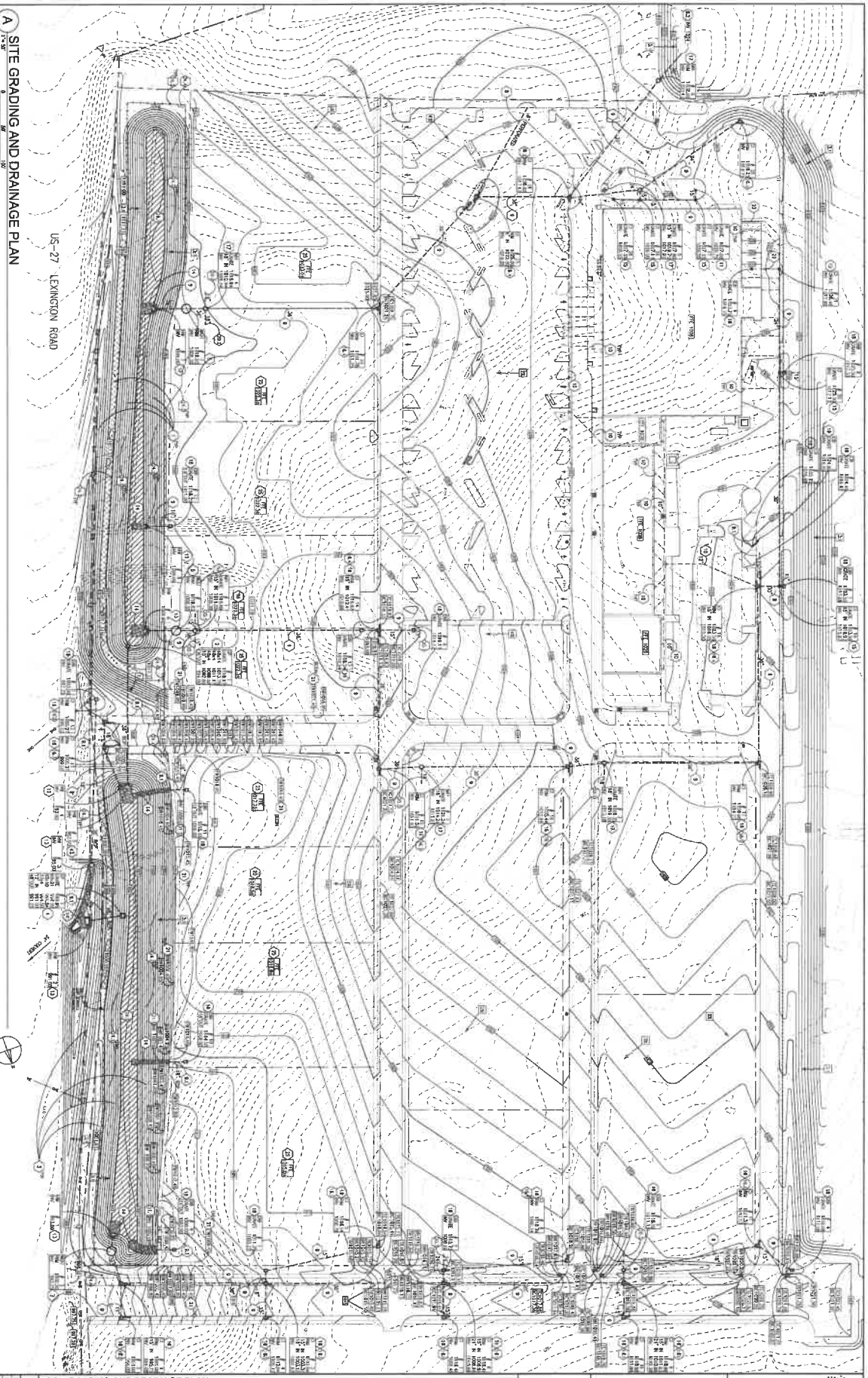
NICHOLASVILLE, KY 40301

PH: 502.738.1100

FAX: 502.738.1101

WWW.CMWCONSULTANTS.COM





A SITE GRADING AND DRAINAGE PLAN

US-27 LEXINGTON ROAD

GENERAL NOTES

1. CONSTRUCTION IS TO BE ACCORDING TO THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, AS APPLICABLE TO THE STATE OF KENTUCKY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE THROUGHOUT CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL DRAINAGE STRUCTURES.
7. THE CONTRACTOR SHALL MAINTAIN THE PROPOSED GRADING THROUGHOUT CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES.
9. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
10. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
11. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE THROUGHOUT CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL DRAINAGE STRUCTURES.
13. THE CONTRACTOR SHALL MAINTAIN THE PROPOSED GRADING THROUGHOUT CONSTRUCTION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES.
15. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
16. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
17. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE THROUGHOUT CONSTRUCTION.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL DRAINAGE STRUCTURES.
19. THE CONTRACTOR SHALL MAINTAIN THE PROPOSED GRADING THROUGHOUT CONSTRUCTION.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES.

ABBREVIATIONS

- 1. 1" = 10' GRADE
- 2. 1" = 10' PLAN
- 3. 1" = 10' SECTION
- 4. 1" = 10' ELEVATION
- 5. 1" = 10' DISTANCE
- 6. 1" = 10' AREA
- 7. 1" = 10' VOLUME
- 8. 1" = 10' WEIGHT
- 9. 1" = 10' LENGTH
- 10. 1" = 10' WIDTH
- 11. 1" = 10' HEIGHT
- 12. 1" = 10' DEPTH
- 13. 1" = 10' TEMPERATURE
- 14. 1" = 10' PRESSURE
- 15. 1" = 10' FORCE
- 16. 1" = 10' ENERGY
- 17. 1" = 10' POWER
- 18. 1" = 10' FLOW
- 19. 1" = 10' VELOCITY
- 20. 1" = 10' ACCELERATION

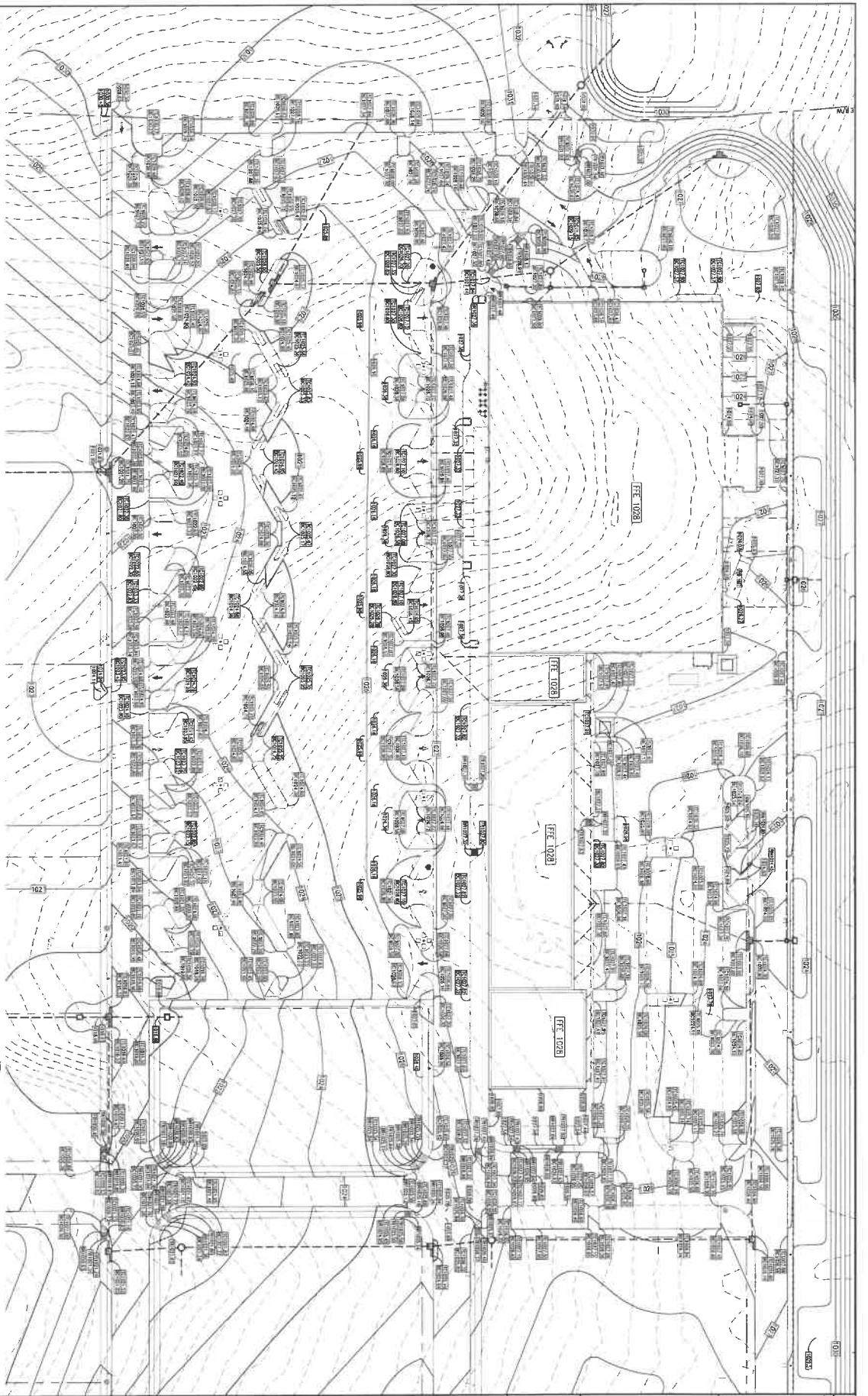
KEYED NOTES

1. 1" = 10' GRADE
2. 1" = 10' PLAN
3. 1" = 10' SECTION
4. 1" = 10' ELEVATION
5. 1" = 10' DISTANCE
6. 1" = 10' AREA
7. 1" = 10' VOLUME
8. 1" = 10' WEIGHT
9. 1" = 10' LENGTH
10. 1" = 10' WIDTH
11. 1" = 10' HEIGHT
12. 1" = 10' DEPTH
13. 1" = 10' TEMPERATURE
14. 1" = 10' PRESSURE
15. 1" = 10' FORCE
16. 1" = 10' ENERGY
17. 1" = 10' POWER
18. 1" = 10' FLOW
19. 1" = 10' VELOCITY
20. 1" = 10' ACCELERATION
21. 1" = 10' DISTANCE
22. 1" = 10' AREA
23. 1" = 10' VOLUME
24. 1" = 10' WEIGHT
25. 1" = 10' LENGTH
26. 1" = 10' WIDTH
27. 1" = 10' HEIGHT
28. 1" = 10' DEPTH
29. 1" = 10' TEMPERATURE
30. 1" = 10' PRESSURE
31. 1" = 10' FORCE
32. 1" = 10' ENERGY
33. 1" = 10' POWER
34. 1" = 10' FLOW
35. 1" = 10' VELOCITY
36. 1" = 10' ACCELERATION
37. 1" = 10' DISTANCE
38. 1" = 10' AREA
39. 1" = 10' VOLUME
40. 1" = 10' WEIGHT
41. 1" = 10' LENGTH
42. 1" = 10' WIDTH
43. 1" = 10' HEIGHT
44. 1" = 10' DEPTH
45. 1" = 10' TEMPERATURE
46. 1" = 10' PRESSURE
47. 1" = 10' FORCE
48. 1" = 10' ENERGY
49. 1" = 10' POWER
50. 1" = 10' FLOW
51. 1" = 10' VELOCITY
52. 1" = 10' ACCELERATION

STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

DATE: 04/01/2013
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT NO: 2403501

C-104.1



A SITE GRADING AND DRAINAGE PLAN - ENLARGEMENT

GENERAL NOTES

1. CHECK NOTES AND SPECIFICATIONS IN SECT. C-104.1 PART 1 TO THE SECT.



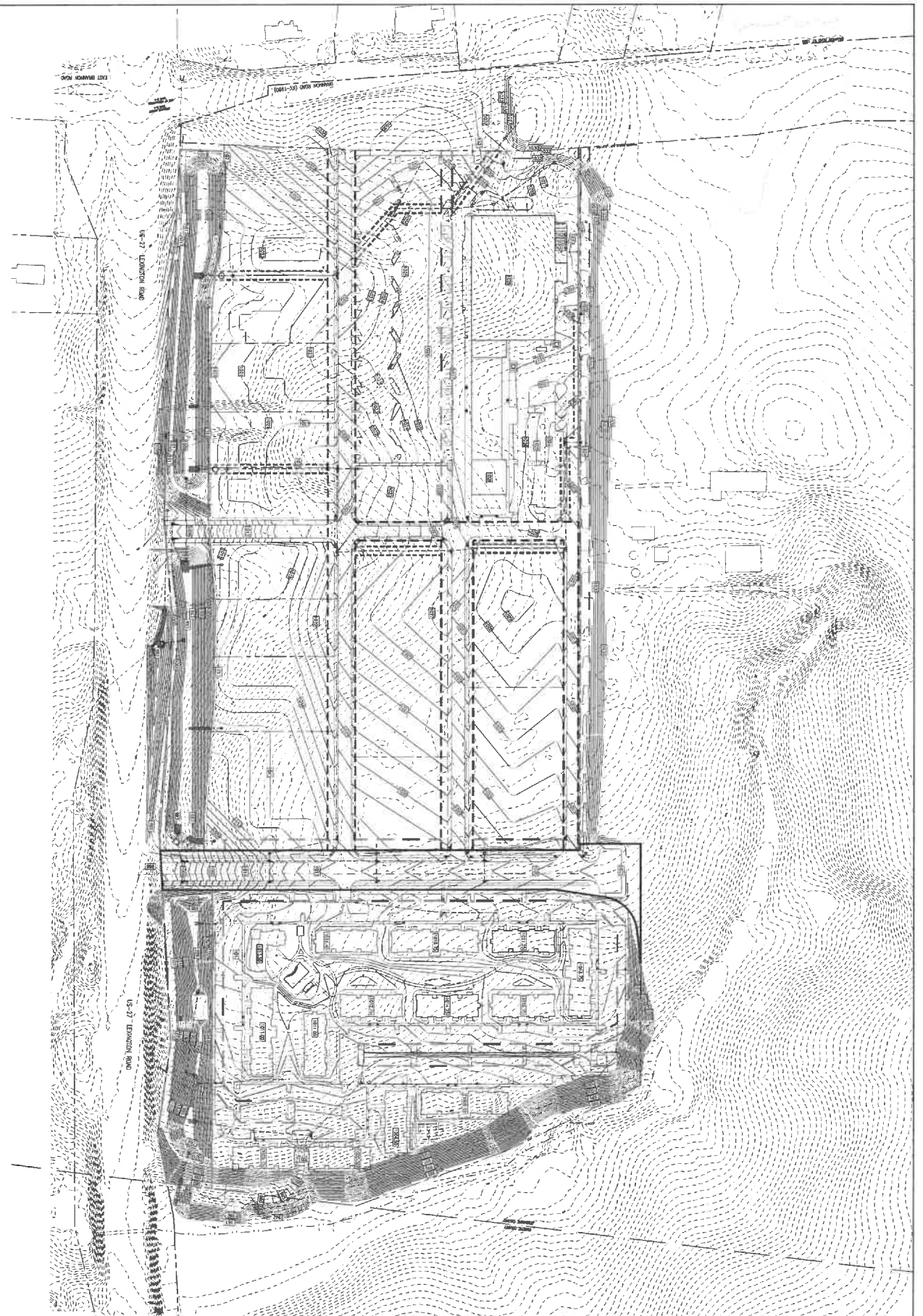
SITE GRADING AND DRAINAGE PLAN - ENLARGEMENT

STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



PROJECT NO.	C-104.2
DATE	2/20/04
SCALE	AS SHOWN
DESIGNED BY	...
CHECKED BY	...
DATE	...
PROJECT LOCATION	...
CLIENT	...
DATE	...
SCALE	...
PROJECT NO.	C-104.2
DATE	2/20/04
SCALE	AS SHOWN
DESIGNED BY	...
CHECKED BY	...
DATE	...
PROJECT LOCATION	...
CLIENT	...
DATE	...

A COMBINED GRADING AND DRAINAGE PLAN



THE GRADING AND DRAINAGE SYSTEM IS BASED ON THE ASSUMPTIONS LISTED IN THE NOTES TO THESE PLANS. THE ENGINEER'S RESPONSIBILITY IS TO DESIGN THE PROPOSED EASEMENTS.

LEGEND OF PROPOSED EASEMENTS

-----	PROPOSED GRADING EASEMENT
-----	PROPOSED DRAINAGE AND DRAINAGE EASEMENT
-----	UTILITY AND SERVICE EASEMENT
-----	ACCESS, CURB, AND SHOULDER EASEMENT
-----	PUBLIC USE OF LAND

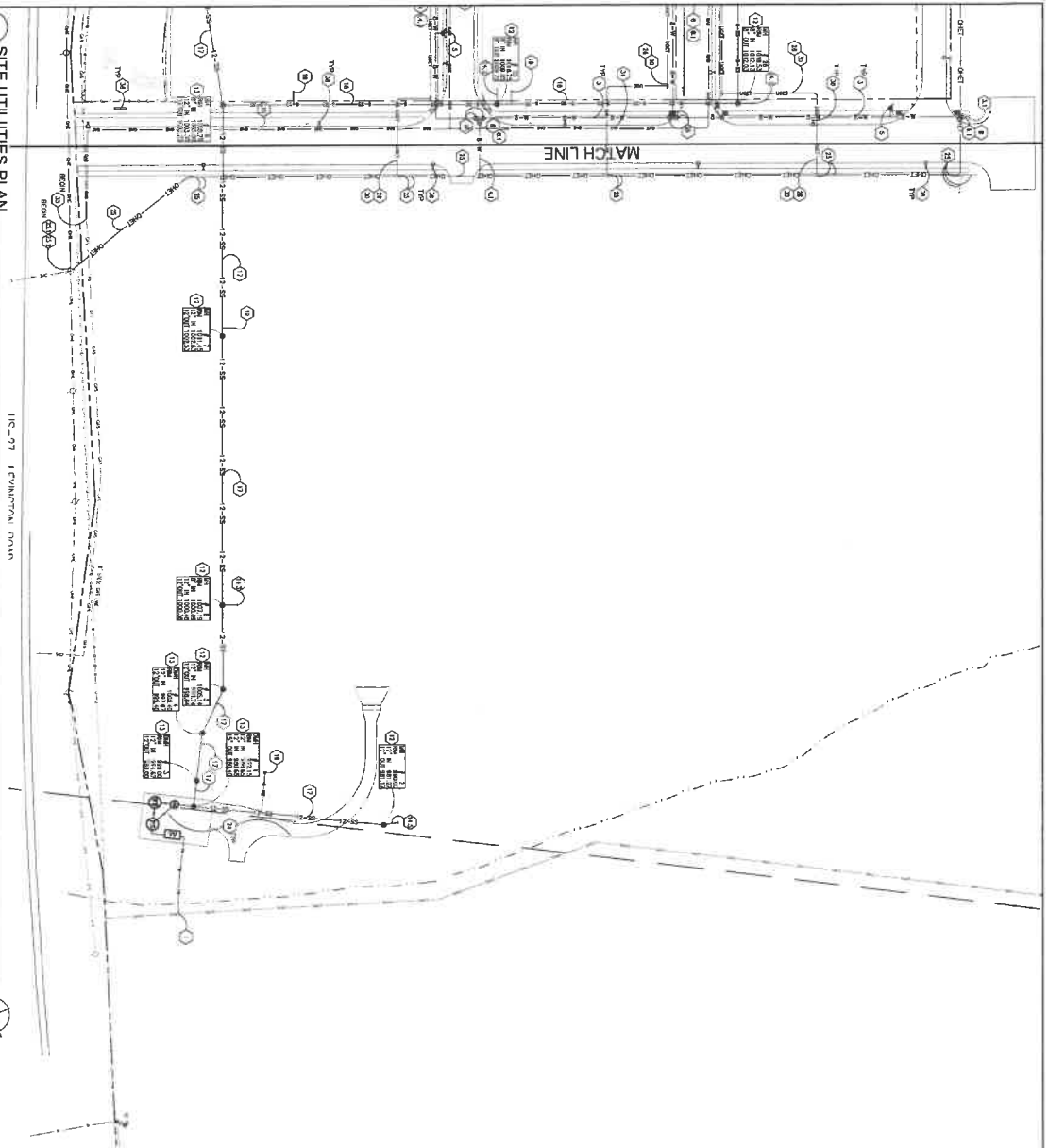
Project No. 24053.01
 Date: 07/20/2024
C-104.3

DATE	DESCRIPTION
07/20/2024	ISSUED FOR PERMIT
07/20/2024	ISSUED FOR CONSTRUCTION
07/20/2024	ISSUED FOR RECORD
07/20/2024	ISSUED FOR AS-BUILT

COMBINED GRADING AND DRAINAGE PLAN
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

Professional Engineer
 State of Kentucky
 License No. 10000
 Date: 11-11-2020

CMW
 Construction Management
 1000 North Limestone Street
 Nicholasville, KY 40301
 Phone: 202-244-1000
 Fax: 202-244-1001
 Email: info@cmw.com



A SITE UTILITIES PLAN

GENERAL NOTES

1. SHOW, HIDE AND RELOCATE ON SHEET C-1052, PART OF SHEET.

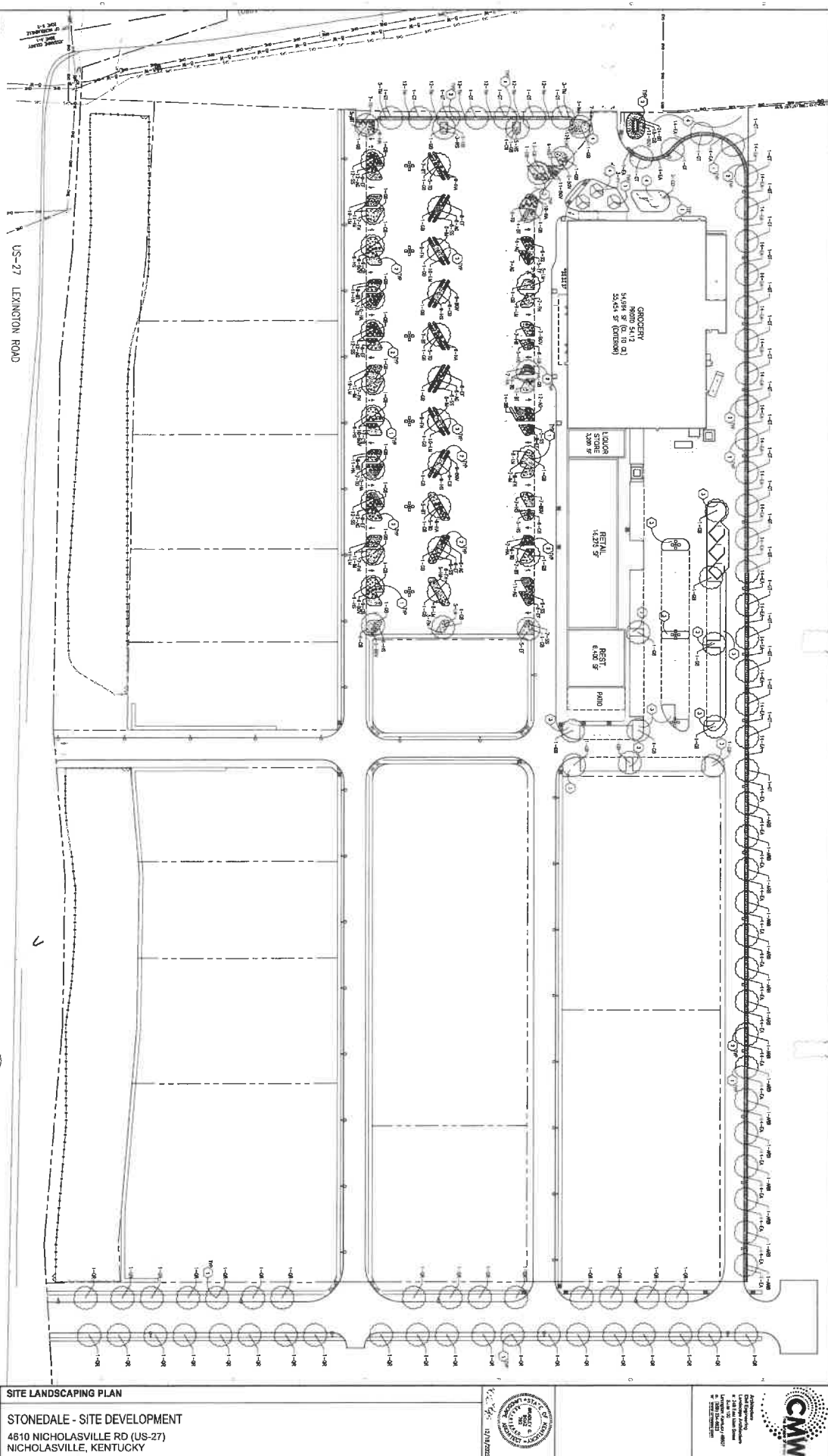
IIC-07 FOUNDATIONAL PLAN



SITE UTILITIES PLAN
STONEDALE - SITE DEVELOPMENT
 4810 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



Project No. **2406301**
 Date: 05/05/2014
 Scale: AS SHOWN
 Drawing No. **C-1052**
 Title: **UTILITIES**



A SITE LANDSCAPING PLAN

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AND STATE AUTHORITIES.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
3. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.
4. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES.
6. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES.
7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES.
8. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES.
9. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES.
10. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES.

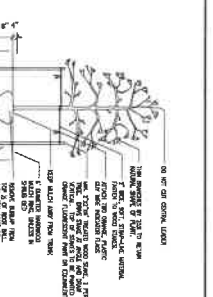
KEYED NOTES

1. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
2. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
3. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
4. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
5. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
6. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
7. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
8. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
9. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.
10. SEE PLANT SCHEDULE FOR SPECIFICATIONS AND QUANTITIES.

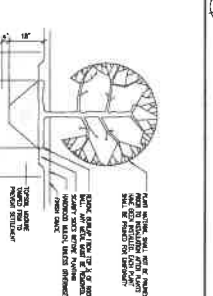
PLANT SCHEDULE

NO.	SYMBOL	PLANT NAME	QUANTITY	REMARKS
1	(Symbol)	PLANT NAME	1	REMARKS
2	(Symbol)	PLANT NAME	1	REMARKS
3	(Symbol)	PLANT NAME	1	REMARKS
4	(Symbol)	PLANT NAME	1	REMARKS
5	(Symbol)	PLANT NAME	1	REMARKS
6	(Symbol)	PLANT NAME	1	REMARKS
7	(Symbol)	PLANT NAME	1	REMARKS
8	(Symbol)	PLANT NAME	1	REMARKS
9	(Symbol)	PLANT NAME	1	REMARKS
10	(Symbol)	PLANT NAME	1	REMARKS

B TREE PLANTING DETAIL



C SHRUB PLANTING DETAIL



SITE LANDSCAPING PLAN
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

PROJECT DOCUMENTS
 SHEET NO. 24853.01
 DATE: 03/28/2011
 DRAWN BY: [Name]
 CHECKED BY: [Name]

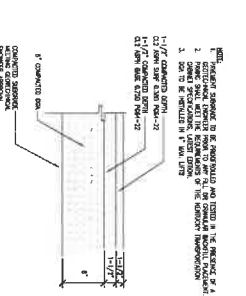


CMW
 CONSULTING ENGINEERS
 1000 NICHOLASVILLE RD
 NICHOLASVILLE, KY 40301
 PHONE: 606.223.1111
 FAX: 606.223.1112
 WWW.CMWENGINEERS.COM

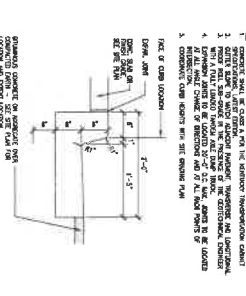
C-106
 KENTUCKY
 24853.01
 03/28/2011



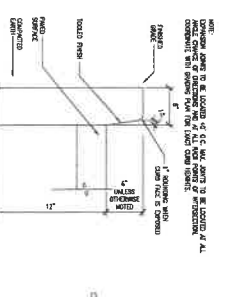
A HEAVY-DUTY ASPHALT PAVEMENT
M.I.S.



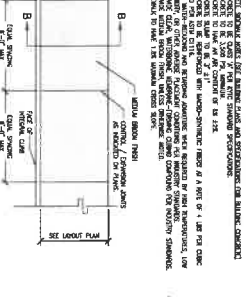
B STANDARD-DUTY ASPHALT PAVEMENT
M.I.S.



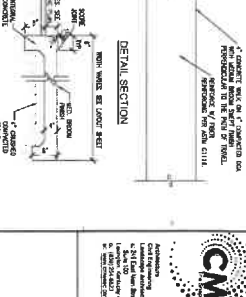
C CONCRETE CURB AND GUTTER
M.I.S.



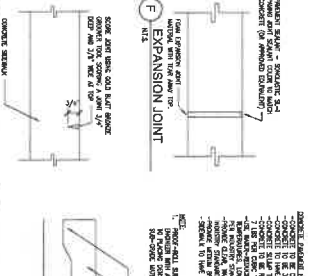
D CONCRETE HEADER CURB
M.I.S.



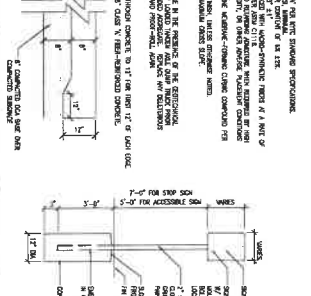
E CONCRETE SIDEWALK WITH INTEGRAL CURB
M.I.S.



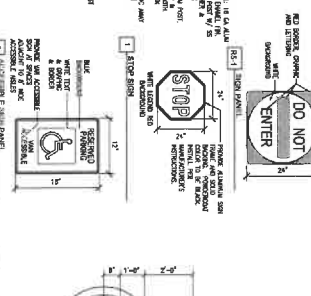
DETAIL SECTION
M.I.S.



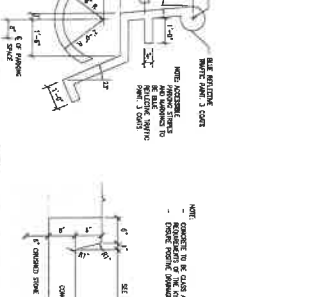
G CONTROL JOINT
M.I.S.



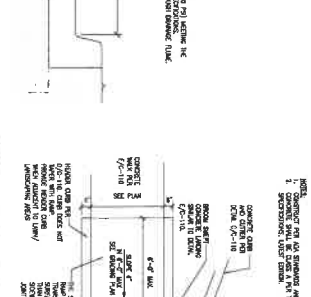
H HEAVY-DUTY CONCRETE PAVEMENT
M.I.S.



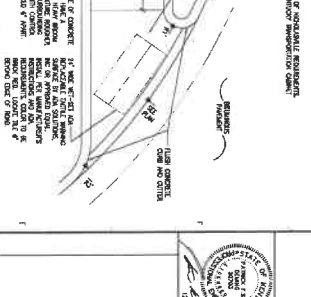
I SITE SIGNAGE
M.I.S.



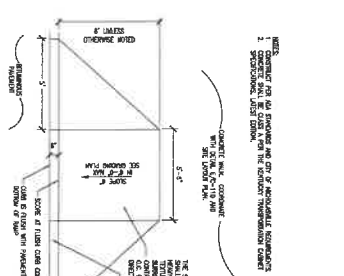
J ACCESSIBLE RAMP - TYPE D
M.I.S.



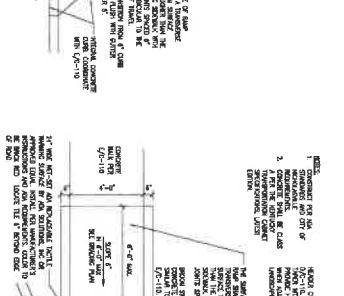
K ACCESSIBLE SYMBOL
M.I.S.



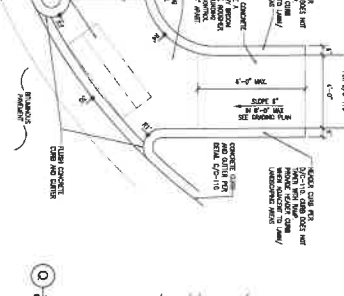
L CONCRETE FLUME
M.I.S.



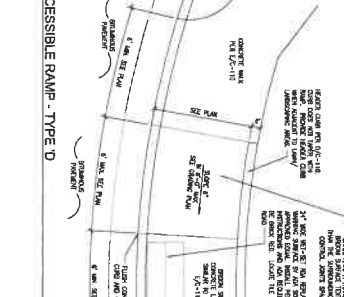
M ACCESSIBLE RAMP - TYPE A
M.I.S.



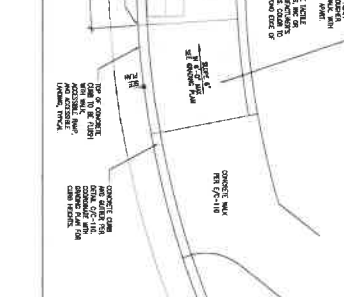
N ACCESSIBLE RAMP - TYPE B
M.I.S.



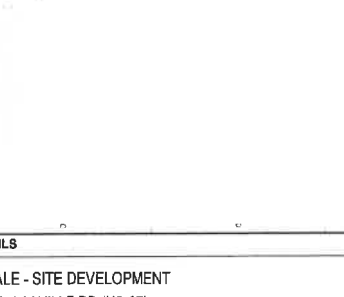
O ACCESSIBLE RAMP - TYPE C
M.I.S.



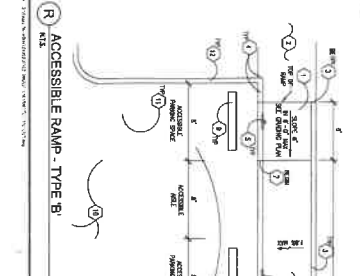
P ACCESSIBLE RAMP - TYPE D
M.I.S.



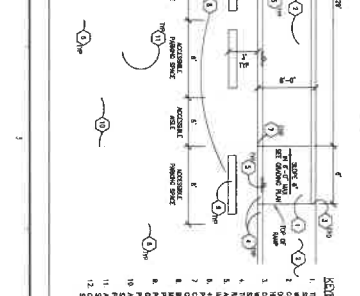
Q ACCESSIBLE RAMP - TYPE E
M.I.S.



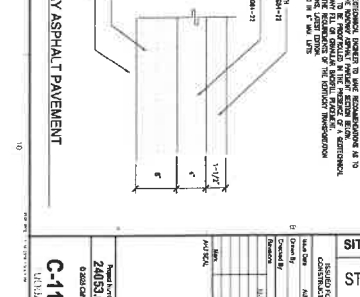
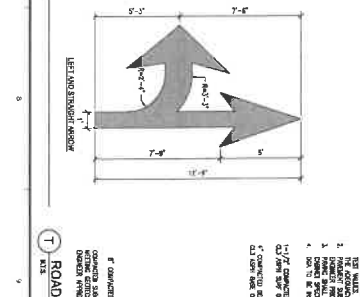
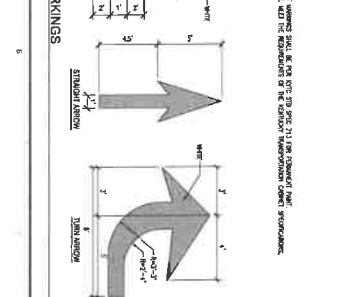
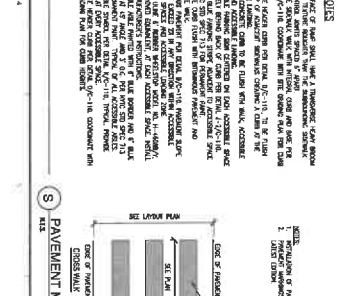
R ACCESSIBLE RAMP - TYPE B
M.I.S.



S PAVEMENT MARKINGS
M.I.S.



T ROADWAY ASPHALT PAVEMENT
M.I.S.



CMW
Construction Management
Warranted Performance
Contractors

1000 N. 10th St.
Cincinnati, OH 45219
513.251.1000
www.cmwwest.com

STONEDALE - SITE DEVELOPMENT
4610 NICHOLASVILLE RD (US-27)
NICHOLASVILLE, KENTUCKY

DATE: 08/20/2013
DRAWN BY: [Name]
CHECKED BY: [Name]
SCALE: AS SHOWN

C-110
24633.01
C-110



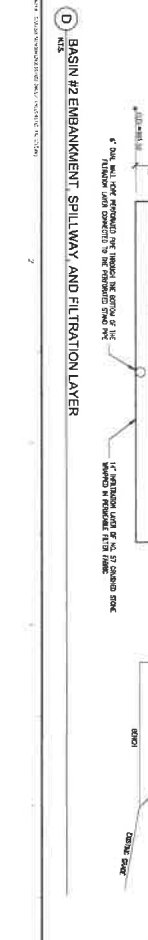
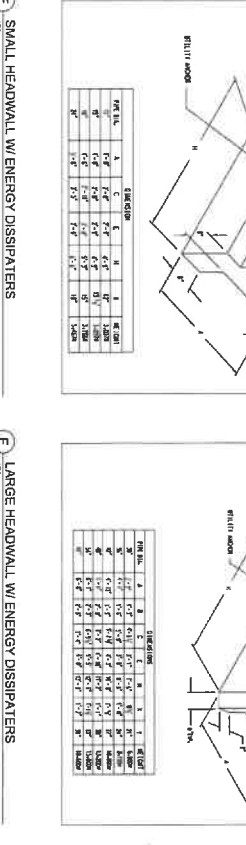
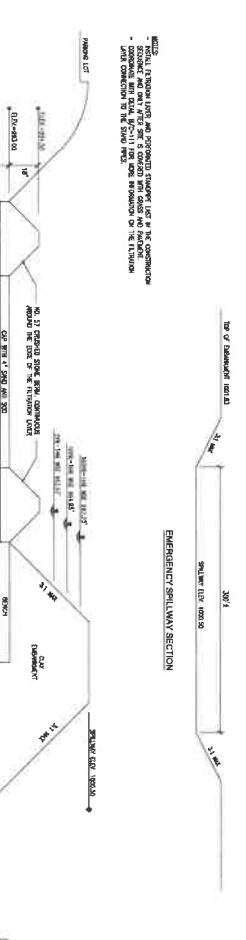
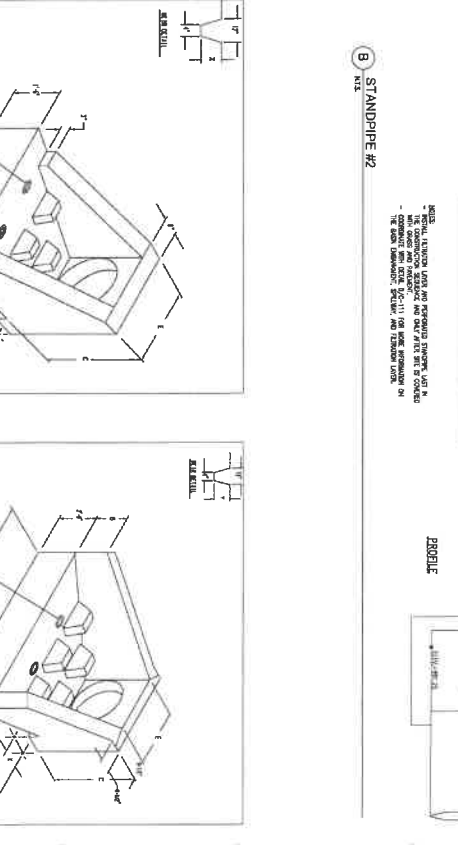
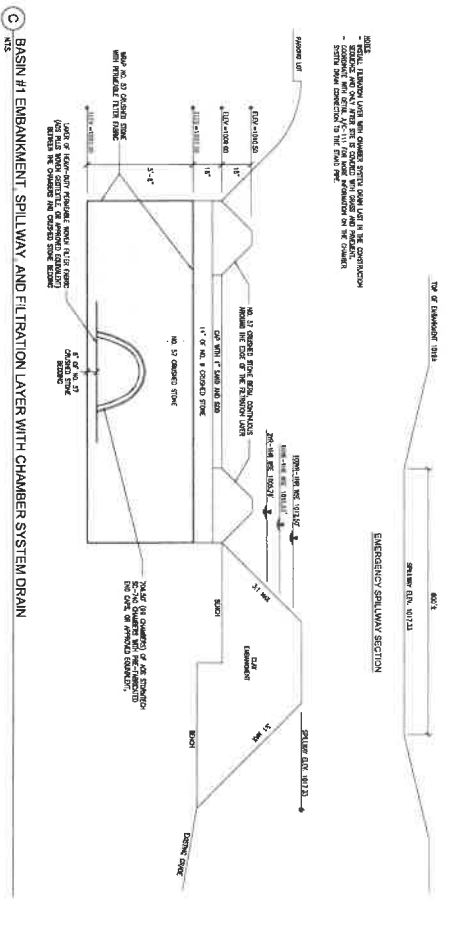
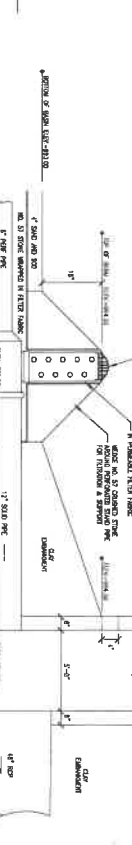
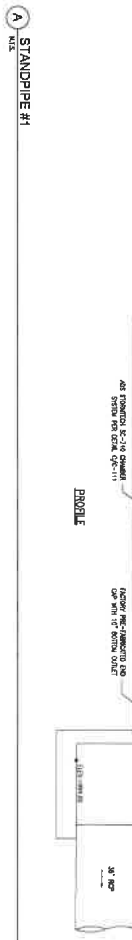
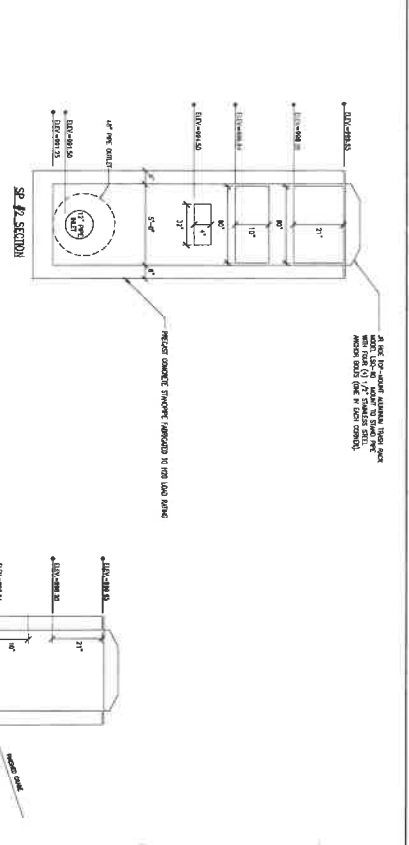
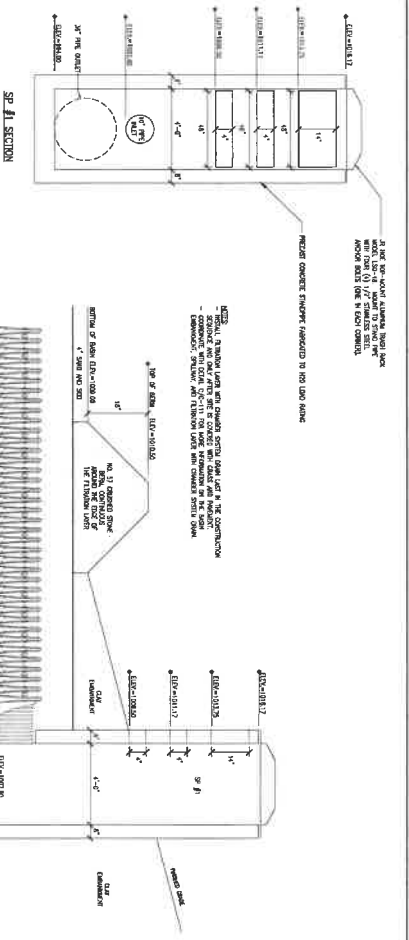
Professional Engineer
 License No. 10000
 State of Kentucky
 10/15/2013
 10/15/2018



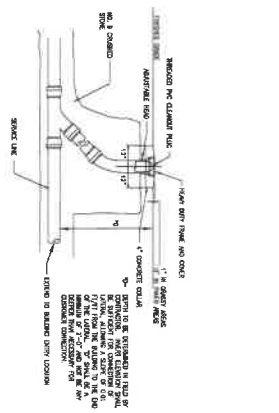
SITE DETAILS
STONDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

NO.	DATE	DESCRIPTION
1	10/15/2013	ISSUED FOR PERMIT
2	10/15/2013	ISSUED FOR CONSTRUCTION
3	10/15/2013	ISSUED FOR CONSTRUCTION
4	10/15/2013	ISSUED FOR CONSTRUCTION
5	10/15/2013	ISSUED FOR CONSTRUCTION
6	10/15/2013	ISSUED FOR CONSTRUCTION
7	10/15/2013	ISSUED FOR CONSTRUCTION
8	10/15/2013	ISSUED FOR CONSTRUCTION
9	10/15/2013	ISSUED FOR CONSTRUCTION
10	10/15/2013	ISSUED FOR CONSTRUCTION

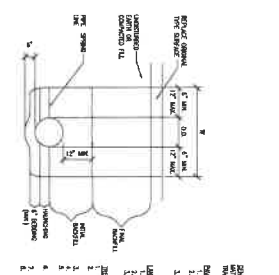
Project No. 24033.01
 Drawing No. C-111
 Date: 10/15/2013



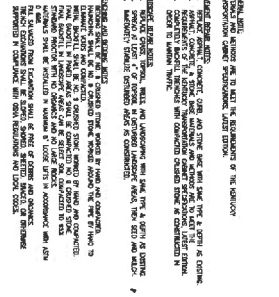
C-111



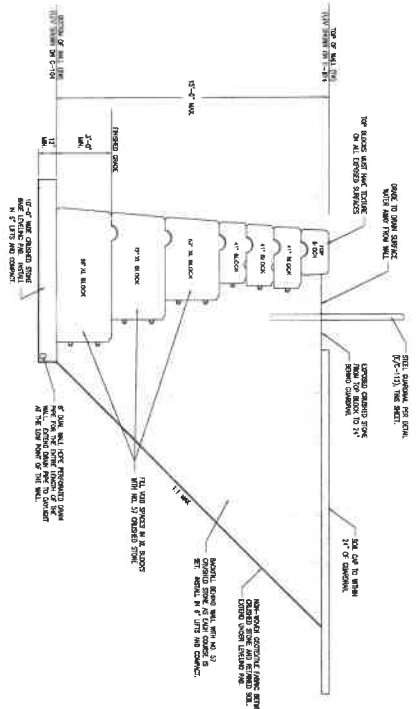
A CLEANOUT
N.T.S.



B TRENCHING, BEDDING AND BACKFILL
N.T.S.

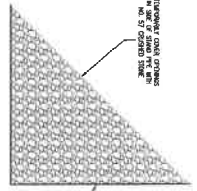


C SANITARY SEWER LATERAL AND CLEANOUT
N.T.S.

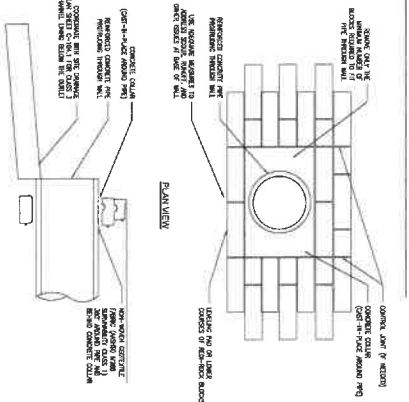


D MODULAR RETAINING WALL
N.T.S.

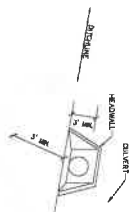
- NOTES:**
1. ALL UNFINISHED SURFACES SHALL BE FINISHED TO THE FINISH GRADE SHOWN.
 2. THE FINISH GRADE SHALL BE MAINTAINED AT ALL TIMES TO PREVENT OVERFLOW.
 3. THE WALL SHALL BE CONSTRUCTED TO WITHSTAND THE FULL DESIGN LOADS.
 4. THE WALL SHALL BE FINISHED TO THE FINISH GRADE SHOWN.
 5. THE WALL SHALL BE CONSTRUCTED TO WITHSTAND THE FULL DESIGN LOADS.



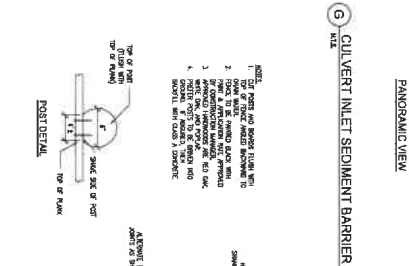
E GRAVEL SEDIMENT BARRIER
N.T.S.



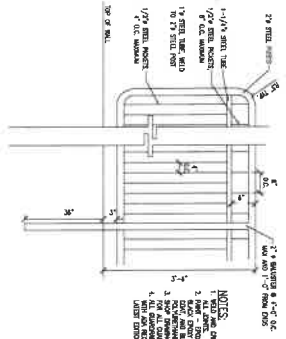
F DRAIN PIPE THROUGH RETAINING WALL
N.T.S.



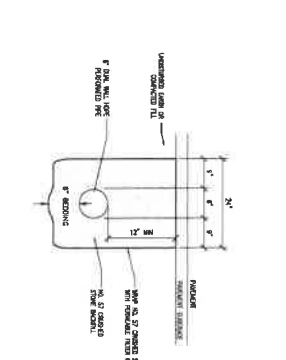
G FOUR BOARD FENCE
N.T.S.



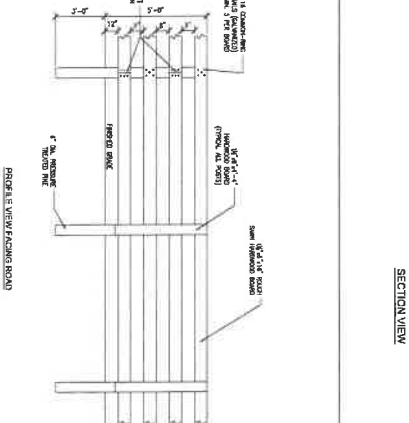
H CULVERT INLET SEDIMENT BARRIER
N.T.S.



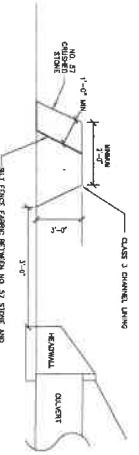
I GUARDRAIL
N.T.S.



J PERFORATED PIPE UNDERDRAIN
N.T.S.



K POST DETAIL
N.T.S.



L PANORAMIC VIEW
N.T.S.



M PROFILE VIEW FACING ROAD
N.T.S.

STONEDALE - SITE DEVELOPMENT
4810 NICHOLASVILLE RD (US-27)
NICHOLASVILLE, KENTUCKY

CMW
Civil & Mechanical
2000 S. MAIN ST.
NICHOLASVILLE, KY 40301
TEL: 859-243-1111
WWW.CMWENGINEERS.COM

STATE OF KENTUCKY
REGISTERED PROFESSIONAL ENGINEER
No. 10000
EXPIRES 12/31/2025

240633.01
C-112

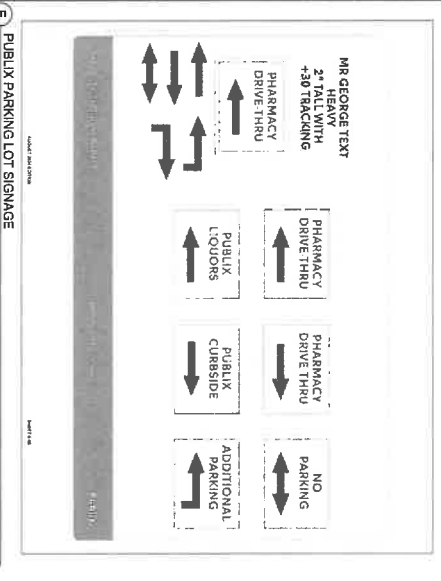
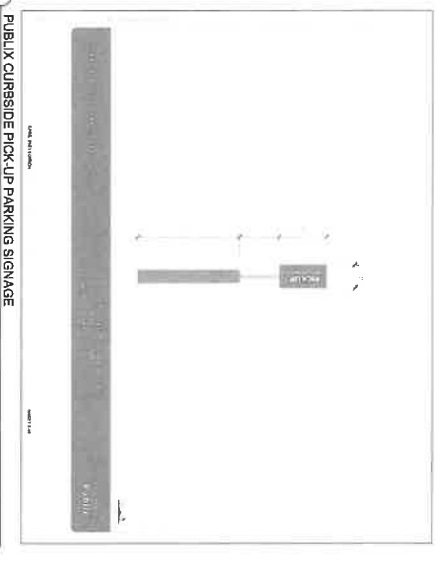
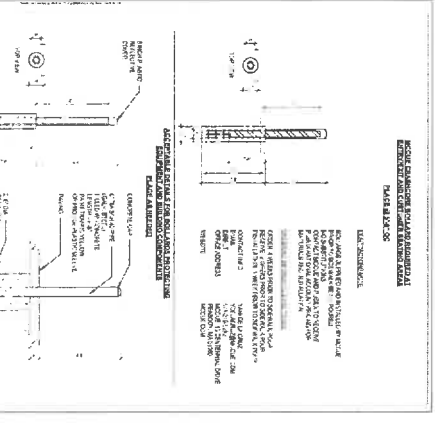
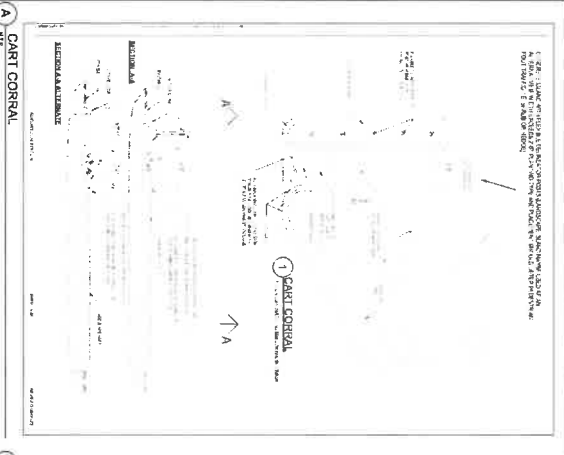
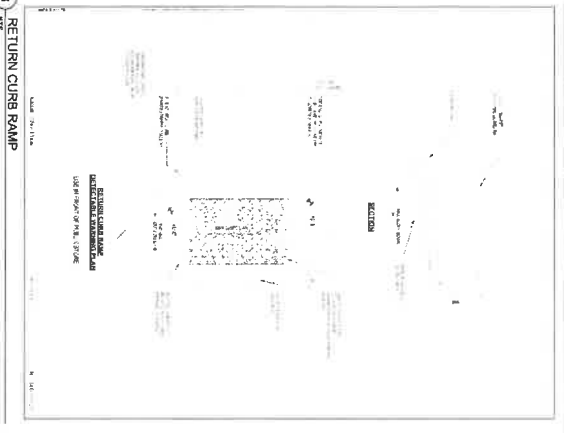
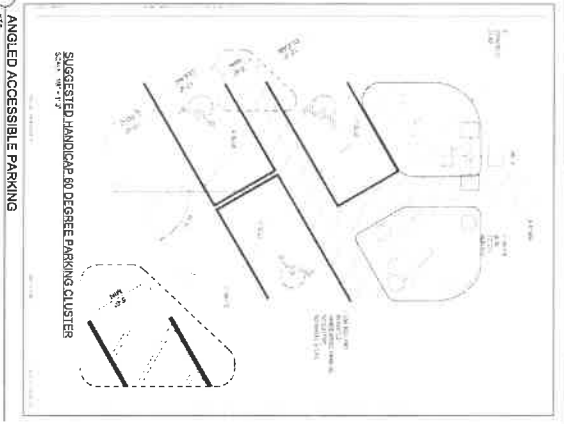
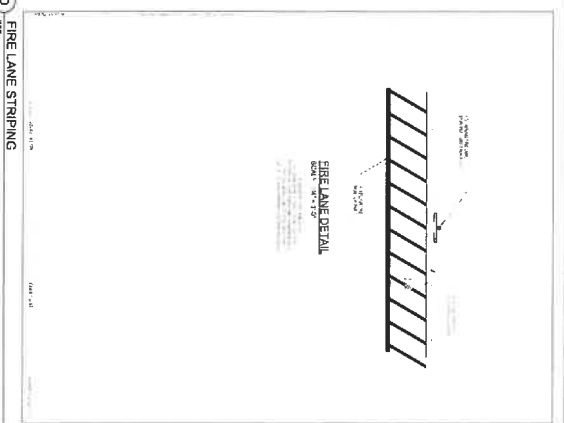


SITE DETAILS - PUBLIK STANDARD DRAWINGS

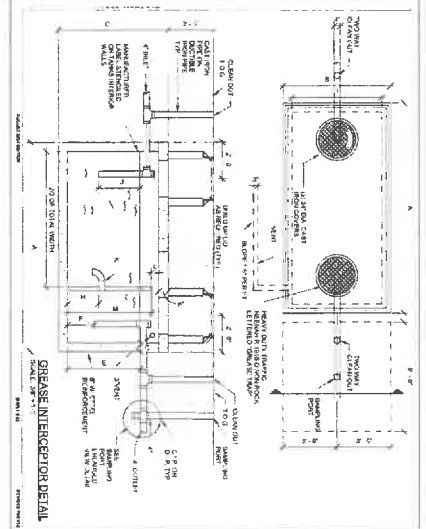
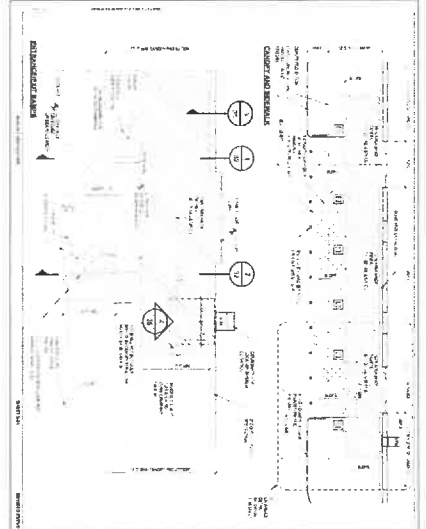
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD. (US-27)
 NICHOLASVILLE, KENTUCKY

DATE	DESCRIPTION
10/20/2023	ISSUED FOR PERMIT
09/20/2023	REVISED
08/20/2023	ISSUED FOR PERMIT
07/20/2023	ISSUED FOR PERMIT
06/20/2023	ISSUED FOR PERMIT
05/20/2023	ISSUED FOR PERMIT
04/20/2023	ISSUED FOR PERMIT
03/20/2023	ISSUED FOR PERMIT
02/20/2023	ISSUED FOR PERMIT
01/20/2023	ISSUED FOR PERMIT

Project No. **24053.01**
 Date: **07/20/2023**
C-113
 TITLE



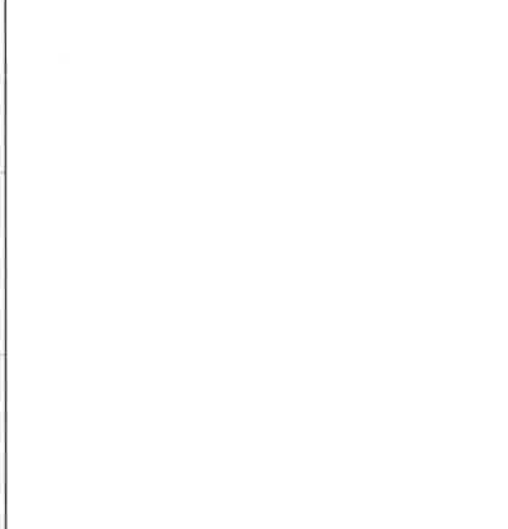
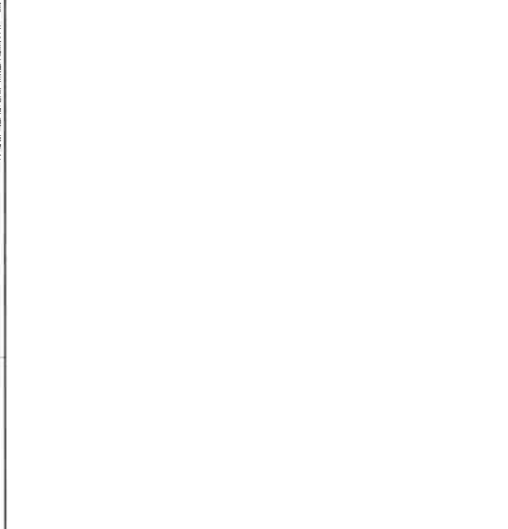
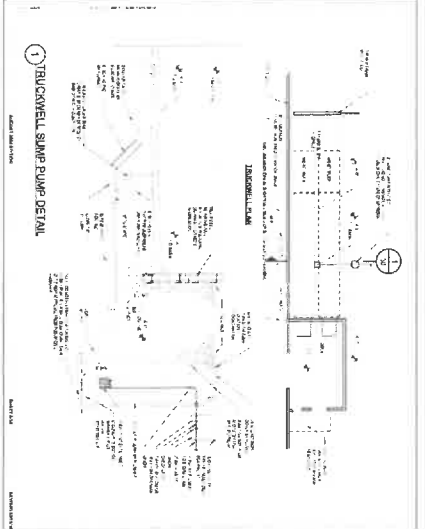
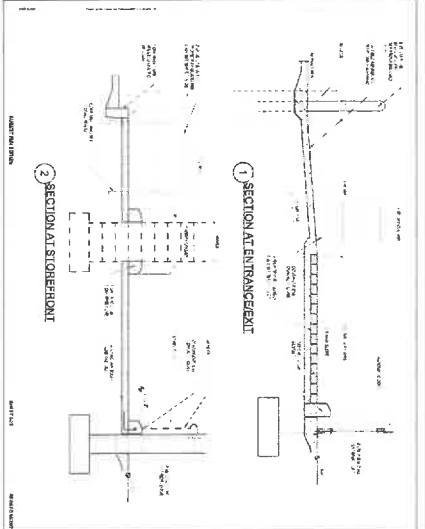
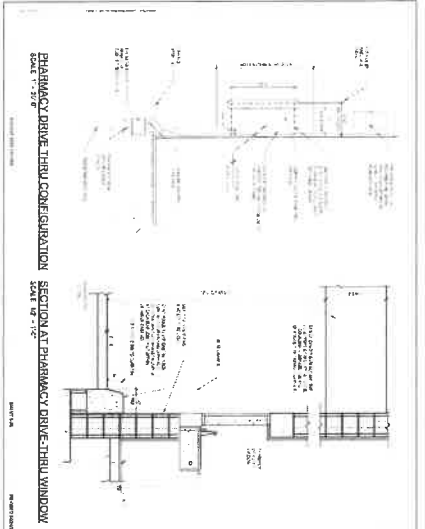
11/20/2023



GREASE INTERCEPTOR SCHEDULE

TABLE 1: GREASE INTERCEPTOR SCHEDULE

NO.	DESCRIPTION	SIZE	TYPE	INSTALLATION
1	PHARMACY DRIVE-THRU WINDOW	48" x 24"	1	1
2	TRUCKWELL SUMP PUMP	48" x 24"	1	1
3	TRUCKWELL SUMP PUMP	48" x 24"	1	1
4	TRUCKWELL SUMP PUMP	48" x 24"	1	1
5	TRUCKWELL SUMP PUMP	48" x 24"	1	1
6	TRUCKWELL SUMP PUMP	48" x 24"	1	1
7	TRUCKWELL SUMP PUMP	48" x 24"	1	1
8	TRUCKWELL SUMP PUMP	48" x 24"	1	1
9	TRUCKWELL SUMP PUMP	48" x 24"	1	1
10	TRUCKWELL SUMP PUMP	48" x 24"	1	1
11	TRUCKWELL SUMP PUMP	48" x 24"	1	1
12	TRUCKWELL SUMP PUMP	48" x 24"	1	1
13	TRUCKWELL SUMP PUMP	48" x 24"	1	1
14	TRUCKWELL SUMP PUMP	48" x 24"	1	1
15	TRUCKWELL SUMP PUMP	48" x 24"	1	1
16	TRUCKWELL SUMP PUMP	48" x 24"	1	1
17	TRUCKWELL SUMP PUMP	48" x 24"	1	1
18	TRUCKWELL SUMP PUMP	48" x 24"	1	1
19	TRUCKWELL SUMP PUMP	48" x 24"	1	1
20	TRUCKWELL SUMP PUMP	48" x 24"	1	1
21	TRUCKWELL SUMP PUMP	48" x 24"	1	1
22	TRUCKWELL SUMP PUMP	48" x 24"	1	1
23	TRUCKWELL SUMP PUMP	48" x 24"	1	1
24	TRUCKWELL SUMP PUMP	48" x 24"	1	1
25	TRUCKWELL SUMP PUMP	48" x 24"	1	1
26	TRUCKWELL SUMP PUMP	48" x 24"	1	1
27	TRUCKWELL SUMP PUMP	48" x 24"	1	1
28	TRUCKWELL SUMP PUMP	48" x 24"	1	1
29	TRUCKWELL SUMP PUMP	48" x 24"	1	1
30	TRUCKWELL SUMP PUMP	48" x 24"	1	1
31	TRUCKWELL SUMP PUMP	48" x 24"	1	1
32	TRUCKWELL SUMP PUMP	48" x 24"	1	1
33	TRUCKWELL SUMP PUMP	48" x 24"	1	1
34	TRUCKWELL SUMP PUMP	48" x 24"	1	1
35	TRUCKWELL SUMP PUMP	48" x 24"	1	1
36	TRUCKWELL SUMP PUMP	48" x 24"	1	1
37	TRUCKWELL SUMP PUMP	48" x 24"	1	1
38	TRUCKWELL SUMP PUMP	48" x 24"	1	1
39	TRUCKWELL SUMP PUMP	48" x 24"	1	1
40	TRUCKWELL SUMP PUMP	48" x 24"	1	1
41	TRUCKWELL SUMP PUMP	48" x 24"	1	1
42	TRUCKWELL SUMP PUMP	48" x 24"	1	1
43	TRUCKWELL SUMP PUMP	48" x 24"	1	1
44	TRUCKWELL SUMP PUMP	48" x 24"	1	1
45	TRUCKWELL SUMP PUMP	48" x 24"	1	1
46	TRUCKWELL SUMP PUMP	48" x 24"	1	1
47	TRUCKWELL SUMP PUMP	48" x 24"	1	1
48	TRUCKWELL SUMP PUMP	48" x 24"	1	1
49	TRUCKWELL SUMP PUMP	48" x 24"	1	1
50	TRUCKWELL SUMP PUMP	48" x 24"	1	1



GREASE INTERCEPTOR SCHEDULE

TABLE 1: GREASE INTERCEPTOR SCHEDULE

NO.	DESCRIPTION	SIZE	TYPE	INSTALLATION
1	PHARMACY DRIVE-THRU WINDOW	48" x 24"	1	1
2	TRUCKWELL SUMP PUMP	48" x 24"	1	1
3	TRUCKWELL SUMP PUMP	48" x 24"	1	1
4	TRUCKWELL SUMP PUMP	48" x 24"	1	1
5	TRUCKWELL SUMP PUMP	48" x 24"	1	1
6	TRUCKWELL SUMP PUMP	48" x 24"	1	1
7	TRUCKWELL SUMP PUMP	48" x 24"	1	1
8	TRUCKWELL SUMP PUMP	48" x 24"	1	1
9	TRUCKWELL SUMP PUMP	48" x 24"	1	1
10	TRUCKWELL SUMP PUMP	48" x 24"	1	1
11	TRUCKWELL SUMP PUMP	48" x 24"	1	1
12	TRUCKWELL SUMP PUMP	48" x 24"	1	1
13	TRUCKWELL SUMP PUMP	48" x 24"	1	1
14	TRUCKWELL SUMP PUMP	48" x 24"	1	1
15	TRUCKWELL SUMP PUMP	48" x 24"	1	1
16	TRUCKWELL SUMP PUMP	48" x 24"	1	1
17	TRUCKWELL SUMP PUMP	48" x 24"	1	1
18	TRUCKWELL SUMP PUMP	48" x 24"	1	1
19	TRUCKWELL SUMP PUMP	48" x 24"	1	1
20	TRUCKWELL SUMP PUMP	48" x 24"	1	1
21	TRUCKWELL SUMP PUMP	48" x 24"	1	1
22	TRUCKWELL SUMP PUMP	48" x 24"	1	1
23	TRUCKWELL SUMP PUMP	48" x 24"	1	1
24	TRUCKWELL SUMP PUMP	48" x 24"	1	1
25	TRUCKWELL SUMP PUMP	48" x 24"	1	1
26	TRUCKWELL SUMP PUMP	48" x 24"	1	1
27	TRUCKWELL SUMP PUMP	48" x 24"	1	1
28	TRUCKWELL SUMP PUMP	48" x 24"	1	1
29	TRUCKWELL SUMP PUMP	48" x 24"	1	1
30	TRUCKWELL SUMP PUMP	48" x 24"	1	1
31	TRUCKWELL SUMP PUMP	48" x 24"	1	1
32	TRUCKWELL SUMP PUMP	48" x 24"	1	1
33	TRUCKWELL SUMP PUMP	48" x 24"	1	1
34	TRUCKWELL SUMP PUMP	48" x 24"	1	1
35	TRUCKWELL SUMP PUMP	48" x 24"	1	1
36	TRUCKWELL SUMP PUMP	48" x 24"	1	1
37	TRUCKWELL SUMP PUMP	48" x 24"	1	1
38	TRUCKWELL SUMP PUMP	48" x 24"	1	1
39	TRUCKWELL SUMP PUMP	48" x 24"	1	1
40	TRUCKWELL SUMP PUMP	48" x 24"	1	1
41	TRUCKWELL SUMP PUMP	48" x 24"	1	1
42	TRUCKWELL SUMP PUMP	48" x 24"	1	1
43	TRUCKWELL SUMP PUMP	48" x 24"	1	1
44	TRUCKWELL SUMP PUMP	48" x 24"	1	1
45	TRUCKWELL SUMP PUMP	48" x 24"	1	1
46	TRUCKWELL SUMP PUMP	48" x 24"	1	1
47	TRUCKWELL SUMP PUMP	48" x 24"	1	1
48	TRUCKWELL SUMP PUMP	48" x 24"	1	1
49	TRUCKWELL SUMP PUMP	48" x 24"	1	1
50	TRUCKWELL SUMP PUMP	48" x 24"	1	1

CMW
Construction Management
Warranted Construction
1000 S. 10th Street
Cincinnati, OH 45219
Tel: 513-251-1000

STONEDALE - PUBLIC STANDARD DRAWINGS

STONEDALE - SITE DEVELOPMENT
4610 NICHOLASVILLE RD (US-57)
NICHOLASVILLE, KENTUCKY

DATE: 08/11/2025
DRAWING NO: 240533.01
PROJECT NO: 240533.01
C-114



A SD ASPHALT PAVEMENT



B HD ASPHALT PAVEMENT



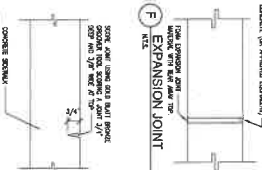
C EXTRUDED CONCRETE CURB



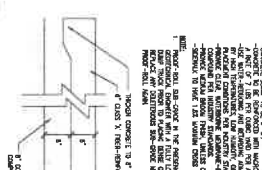
D CONCRETE HEADER CURB



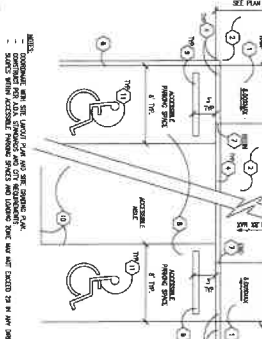
E CONCRETE SIDEWALK WITH INTEGRAL CURB



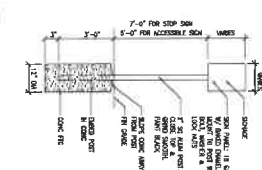
G CONTROL JOINT



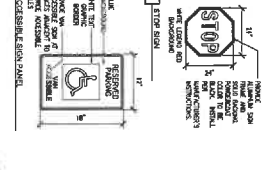
H HEAVY DUTY CONCRETE PAVEMENT



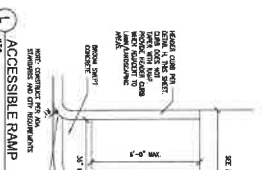
I ACCESSIBLE RAMPS SERVING ACCESSIBLE PARKING SPACES



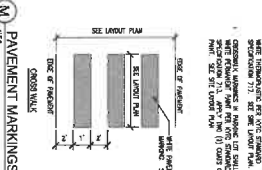
J SITE SIGNAGE



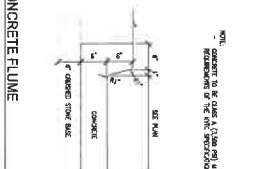
K ACCESSIBLE PARKING SYMBOL



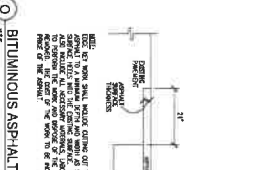
L ACCESSIBLE RAMP



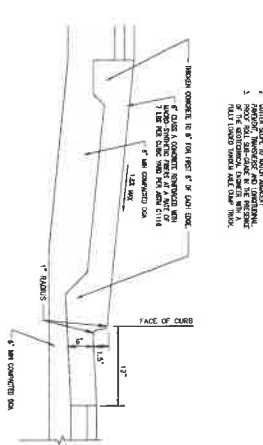
M PAVEMENT MARKINGS



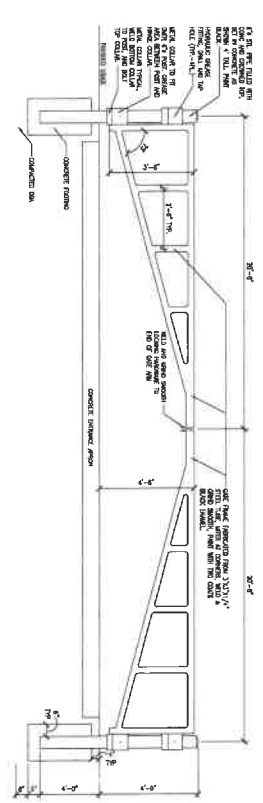
N CONCRETE FLUME



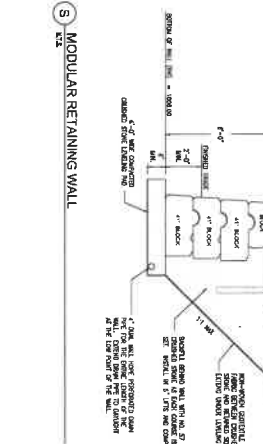
O BITUMINOUS ASPHALT EDGE KEY



C CONCRETE ENTRANCE APRON



R STEEL TUBE GATE



S MODULAR RETAINING WALL

NOTES:
 1. CONCRETE SHALL BE 2800 PSI STRENGTH CONCRETE.
 2. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 3. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 4. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 5. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.

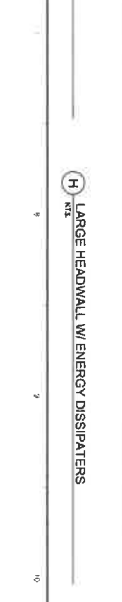
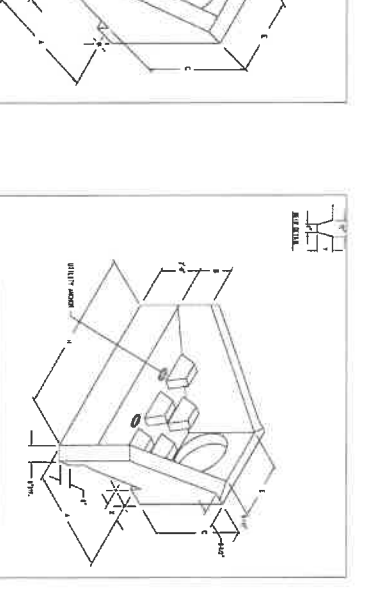
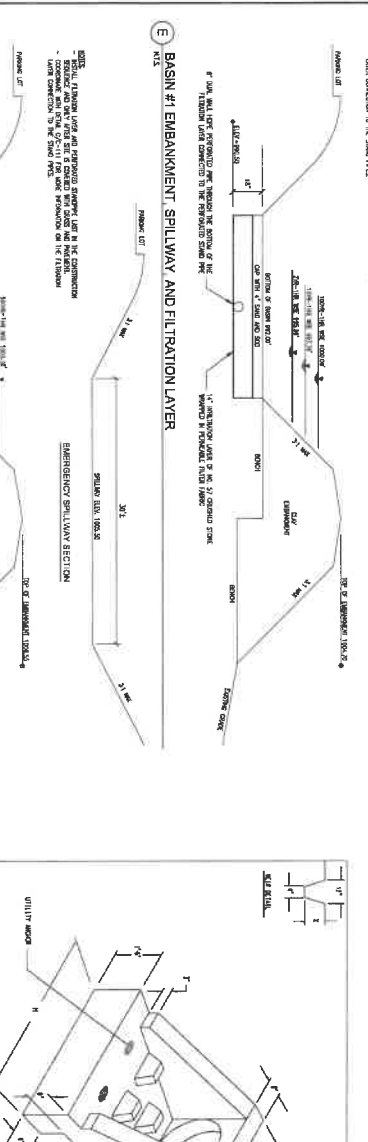
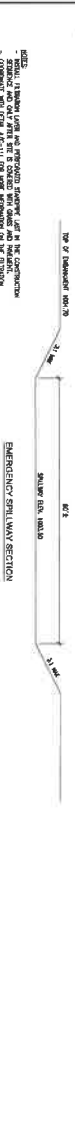
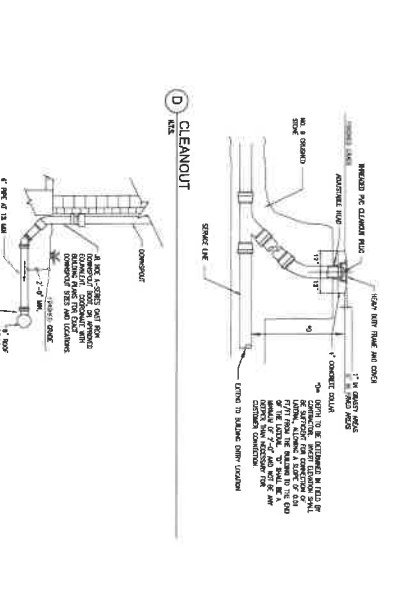
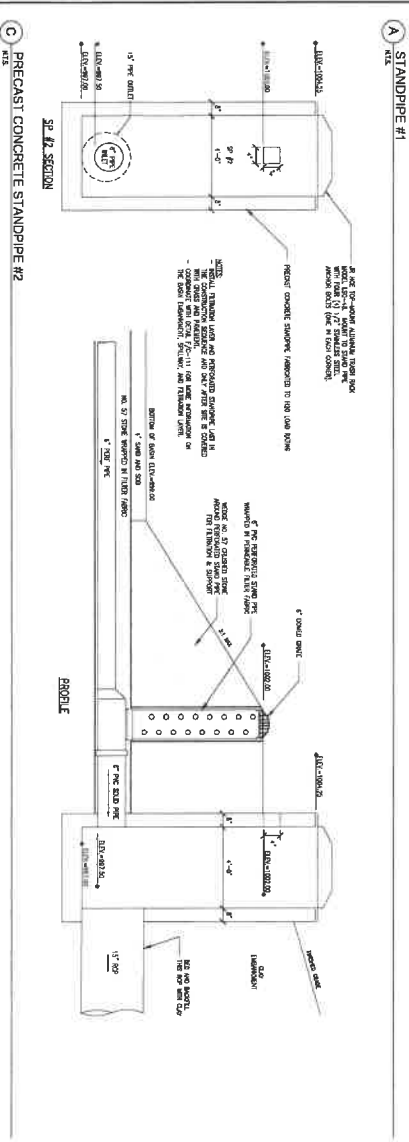
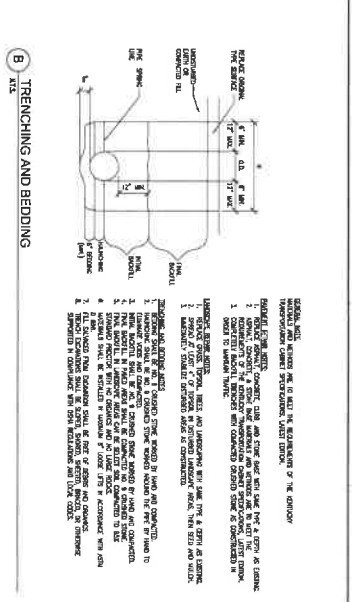
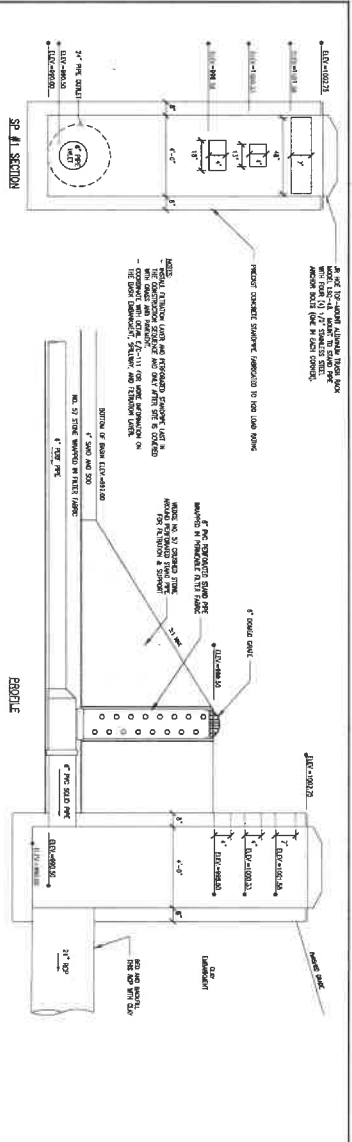
NOTES:
 1. CONCRETE SHALL BE 2800 PSI STRENGTH CONCRETE.
 2. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 3. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 4. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 5. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.


NOTES:
 1. CONCRETE SHALL BE 2800 PSI STRENGTH CONCRETE.
 2. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 3. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 4. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 5. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.

NOTES:
 1. CONCRETE SHALL BE 2800 PSI STRENGTH CONCRETE.
 2. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 3. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 4. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.
 5. ALL CONCRETE SHALL BE FINISHED TO A FINISH OF 1/8" (2.5 MM) MAXIMUM.

SITE DETAILS
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

C-116
 24053101
 CASHAW
 HALL, KENTUCKY





Construction Management
Watershed Services
1100 S. MAIN ST.
MADISON, IN 47620
TEL: 317.251.1100
WWW.CMW.COM

SITE DETAILS

STONEDALE - SITE DEVELOPMENT
4610 NICHOLASVILLE RD (US-27)
NICHOLASVILLE, KENTUCKY

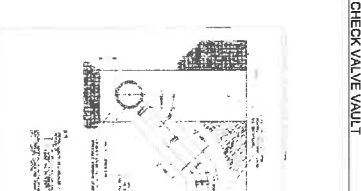
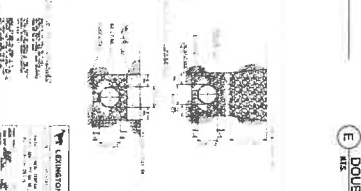
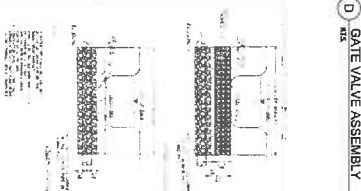
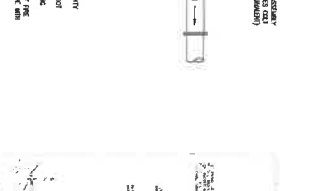
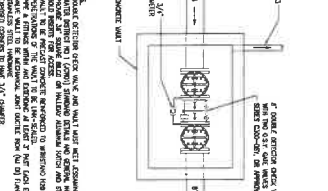
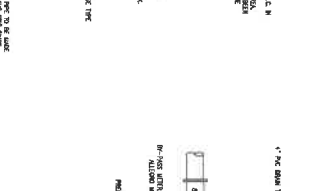
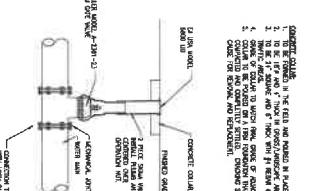
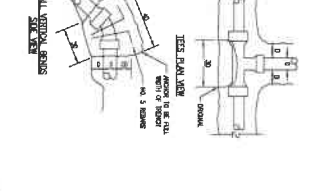
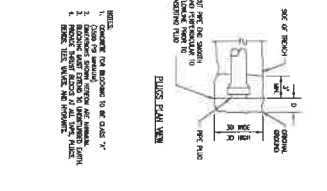
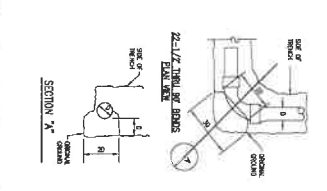
PROJECT NO: 24053.01
DATE: 08/20/2024
DRAWN BY: [Name]
CHECKED BY: [Name]
SCALE: AS SHOWN

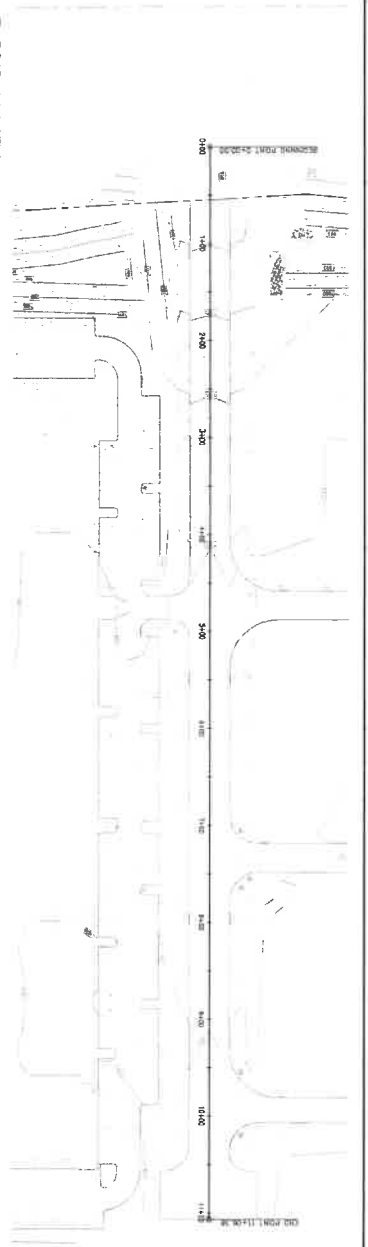
C-117



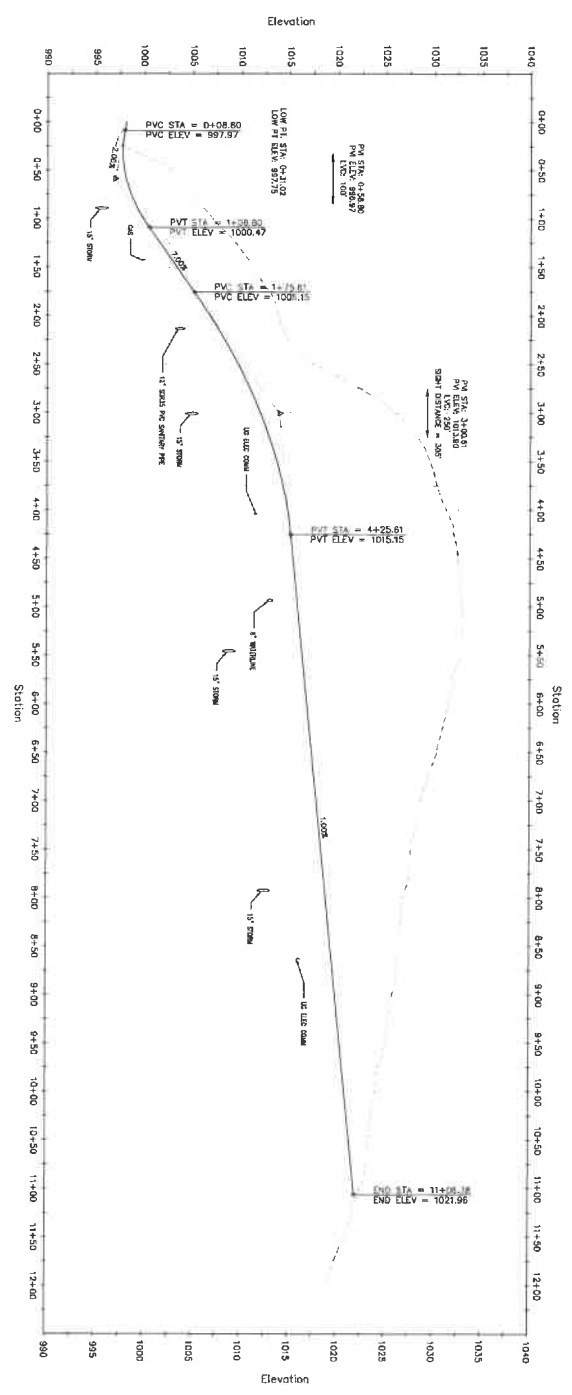
SITE DETAILS	
PROJECT:	STONEDALE - SITE DEVELOPMENT
CLIENT:	4610 NICHOLASVILLE RD (US-27) NICHOLASVILLE, KENTUCKY
DATE:	11/11/2010
SCALE:	AS SHOWN
DRAWN BY:	JHL
CHECKED BY:	JHL
DATE:	11/11/2010

C-118
 24033.01
 H.A. LANNING

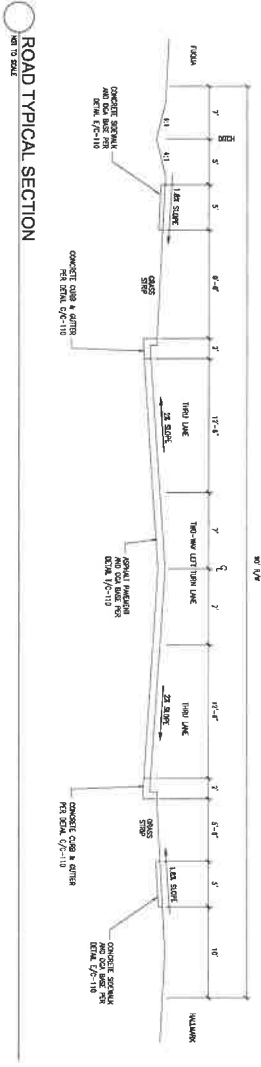




ROAD PLAN VIEW



ROAD PROFILE VIEW



ROAD TYPICAL SECTION

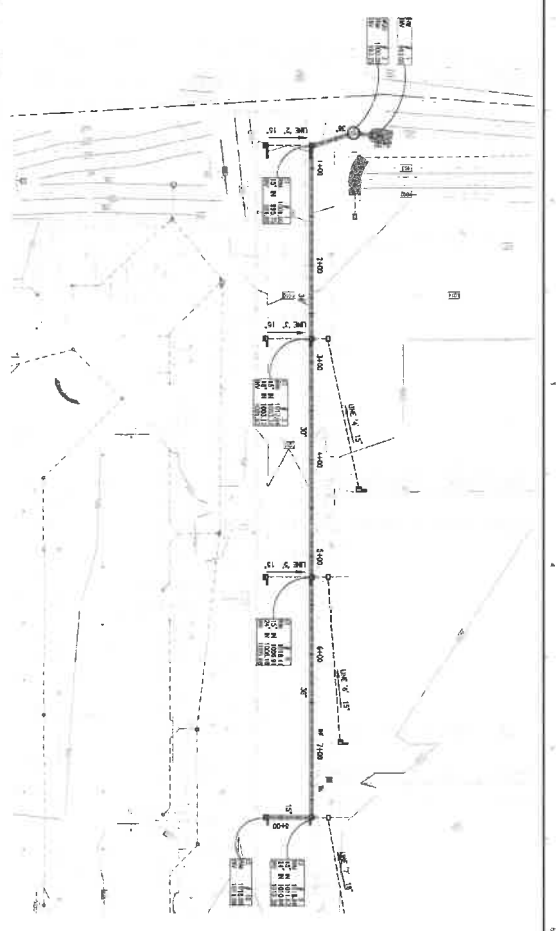


ROAD PLAN AND PROFILE
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

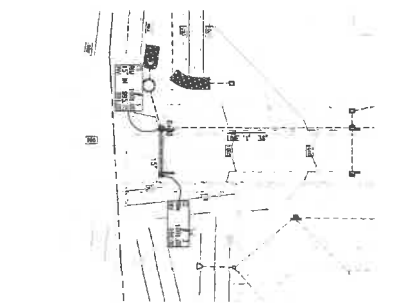


Project No.	2405301
Revision	0/2/2024
Scale	AS SHOWN
Author	CMW
Checker	CMW
Engineer	CMW
Professional Seal	CMW

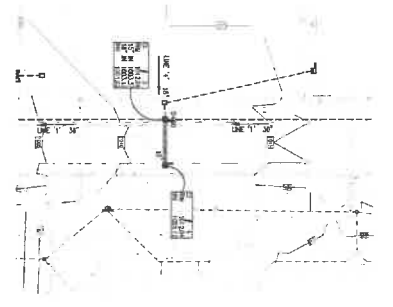
C-200



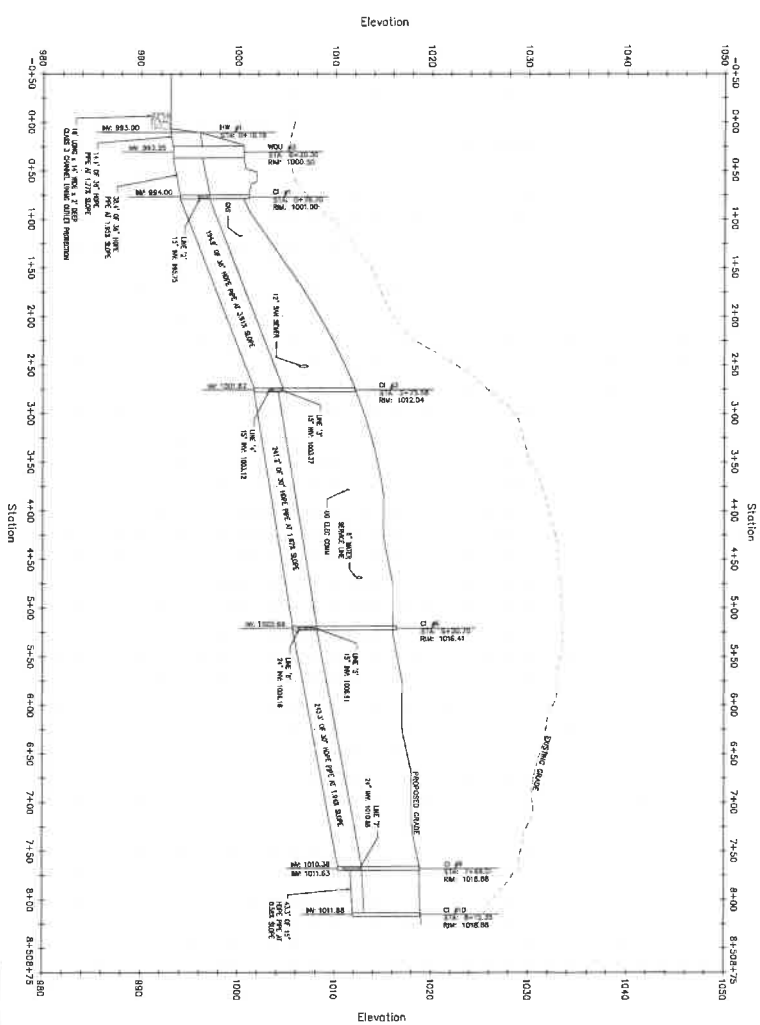
1 PLAN VIEW - STORM LINE 1



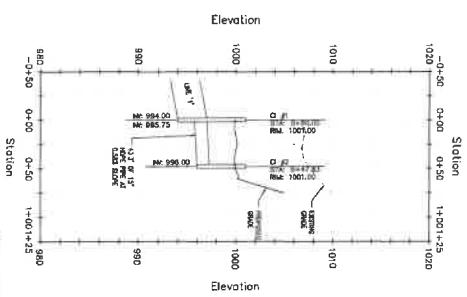
2 PLAN VIEW - STORM LINE 2



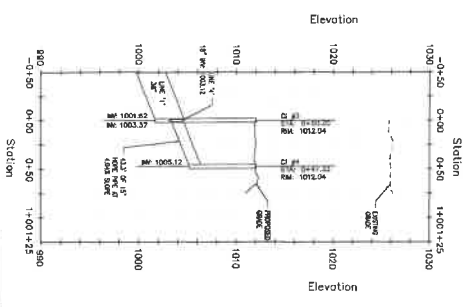
3 PLAN VIEW - STORM LINE 3



1 PROFILE VIEW - STORM LINE 1



2 PROFILE VIEW - STORM LINE 2



3 PROFILE VIEW - STORM LINE 3

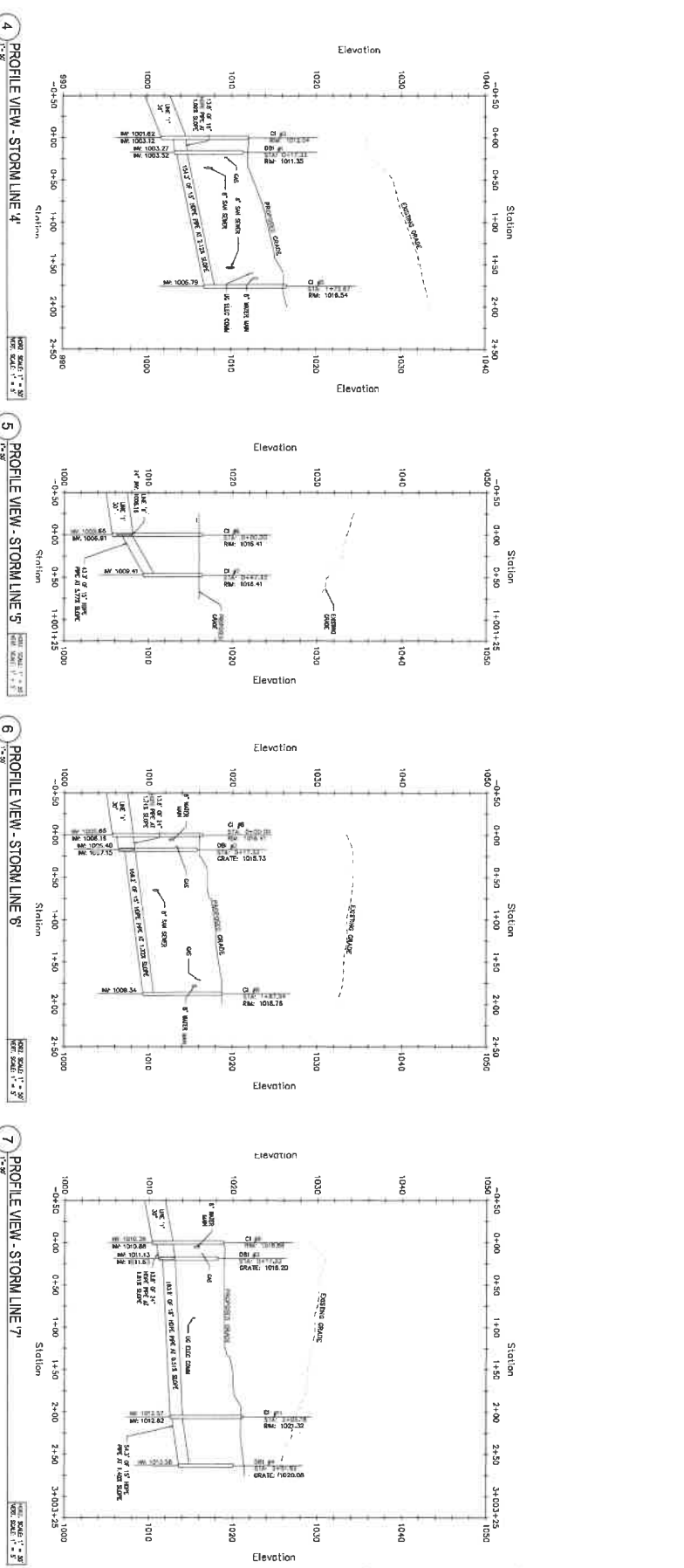
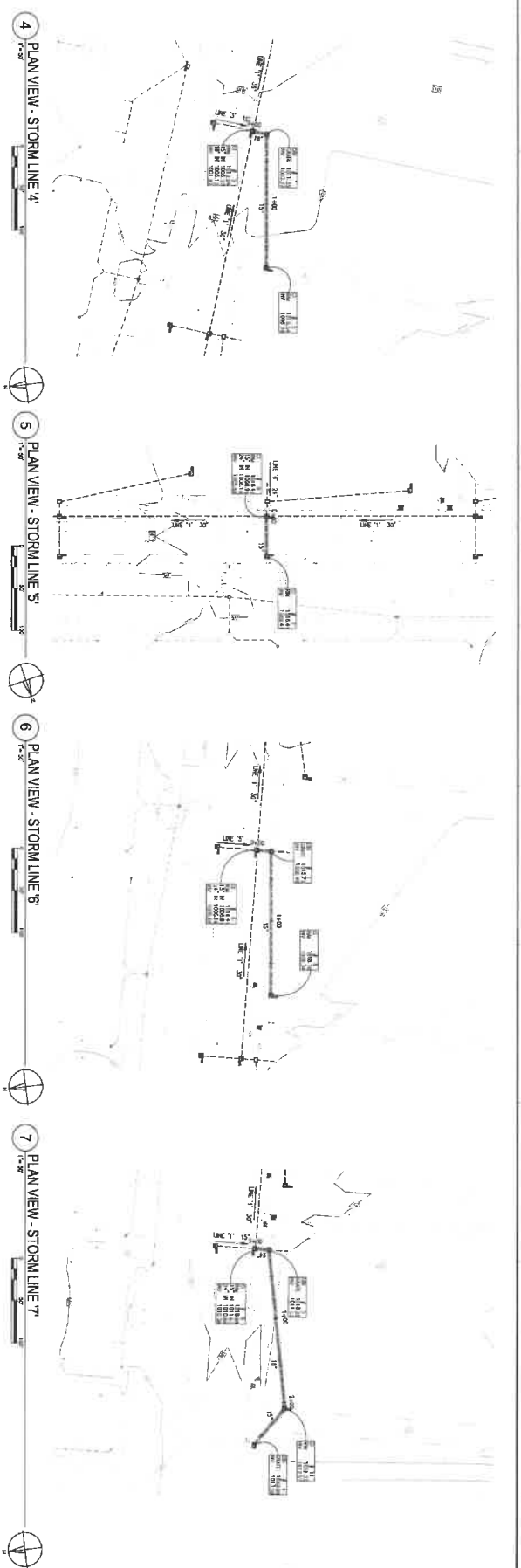
STORM PLAN AND PROFILES - LINE '1', '2' AND '3'

STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



PROJECT NO.	24055.01
DATE	08/2018
SCALE	AS SHOWN
DESIGNED BY	ADRIAN L. BROWN
CHECKED BY	ADRIAN L. BROWN
DATE	08/2018
PROJECT	STONEDALE - SITE DEVELOPMENT
LOCATION	4610 NICHOLASVILLE RD (US-27)
CITY	NICHOLASVILLE, KY
STATE	KY
SCALE	AS SHOWN
DATE	08/2018

C-300
 KENTUCKY
 LICENSED PROFESSIONAL ENGINEER



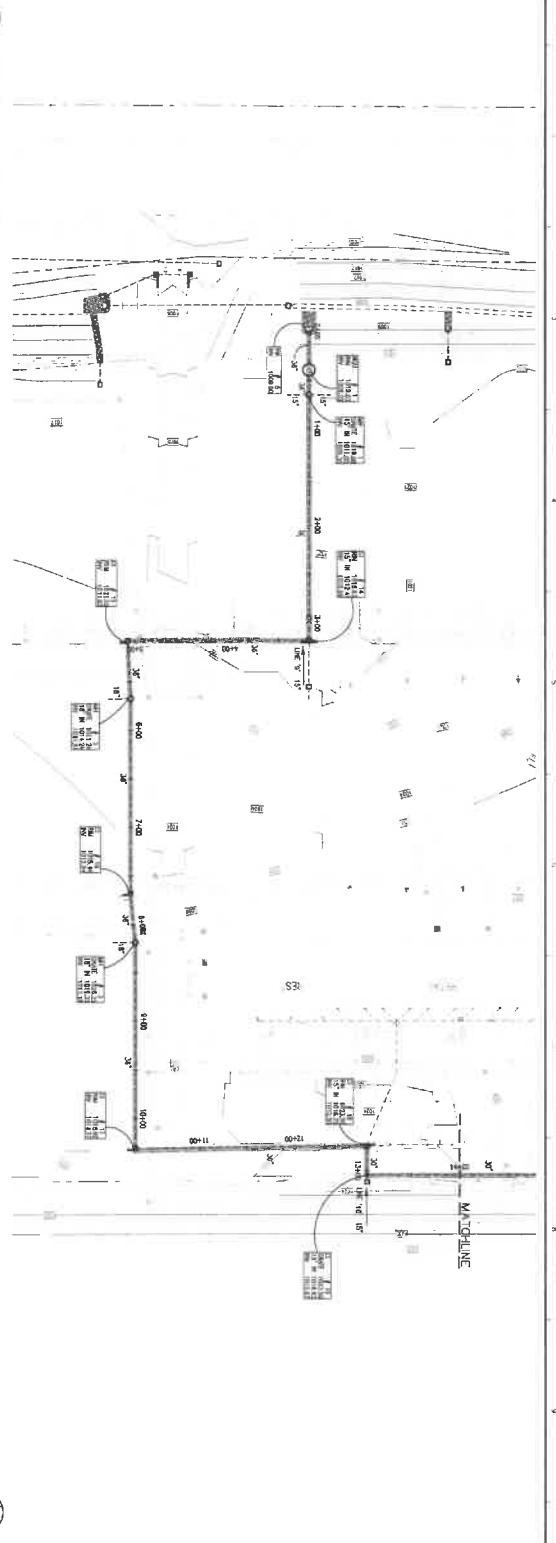
STORM PLAN AND PROFILES - LINE '4', '5', '6' AND '7'

STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

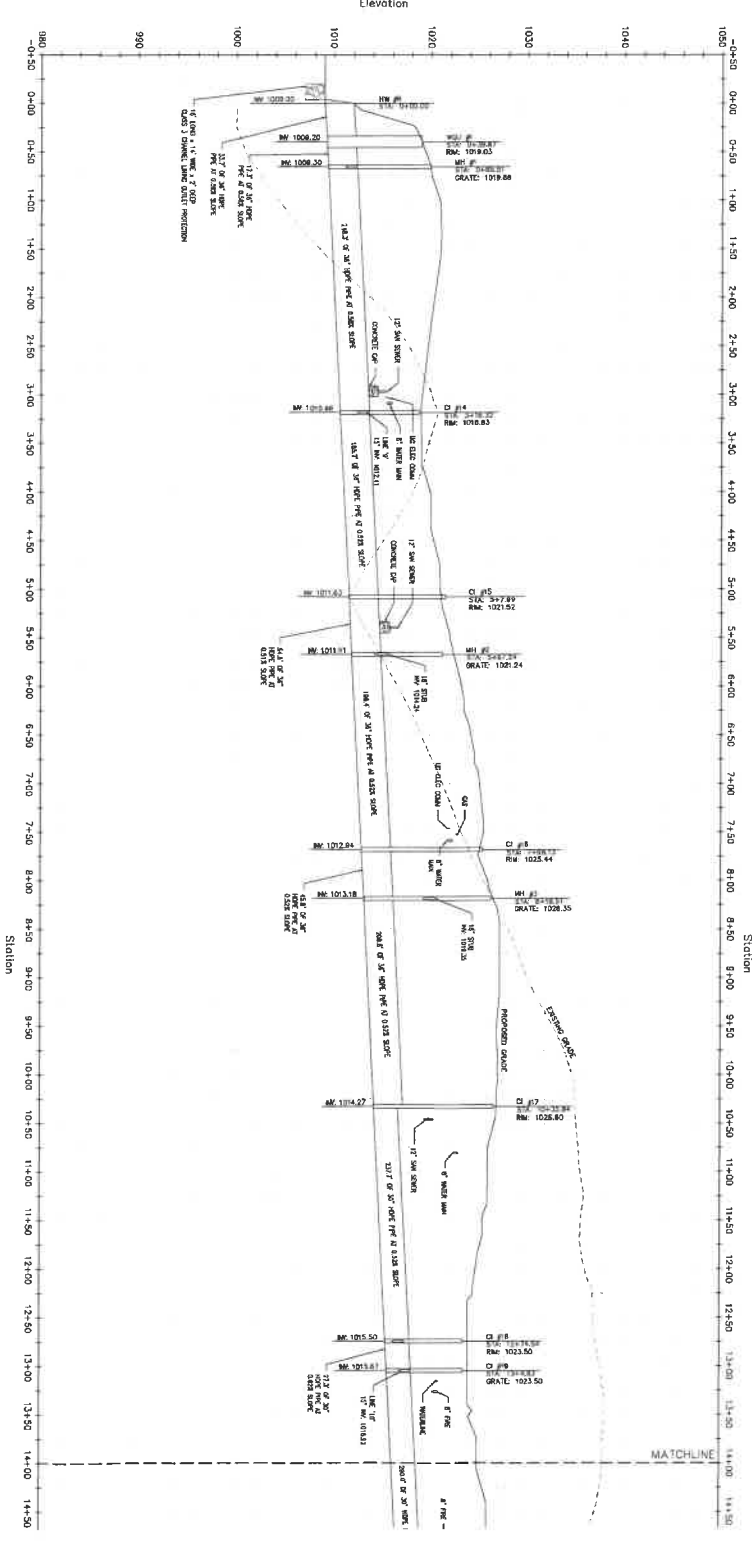
PROJECT NO.	24013311
DATE	09/20/2017
DRAWN BY	CMW
CHECKED BY	CMW
DATE	09/20/2017
SCALE	AS SHOWN
TITLE	STORM PLAN AND PROFILES - LINE '4', '5', '6' AND '7'

C-301





8 PLAN VIEW - STORM LINE '8'

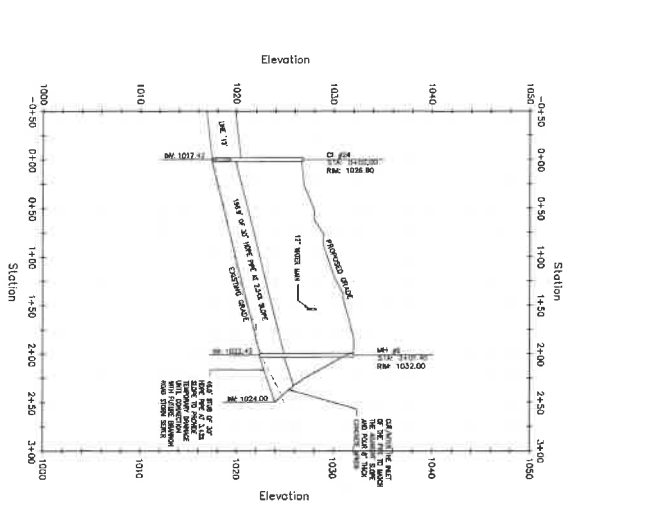
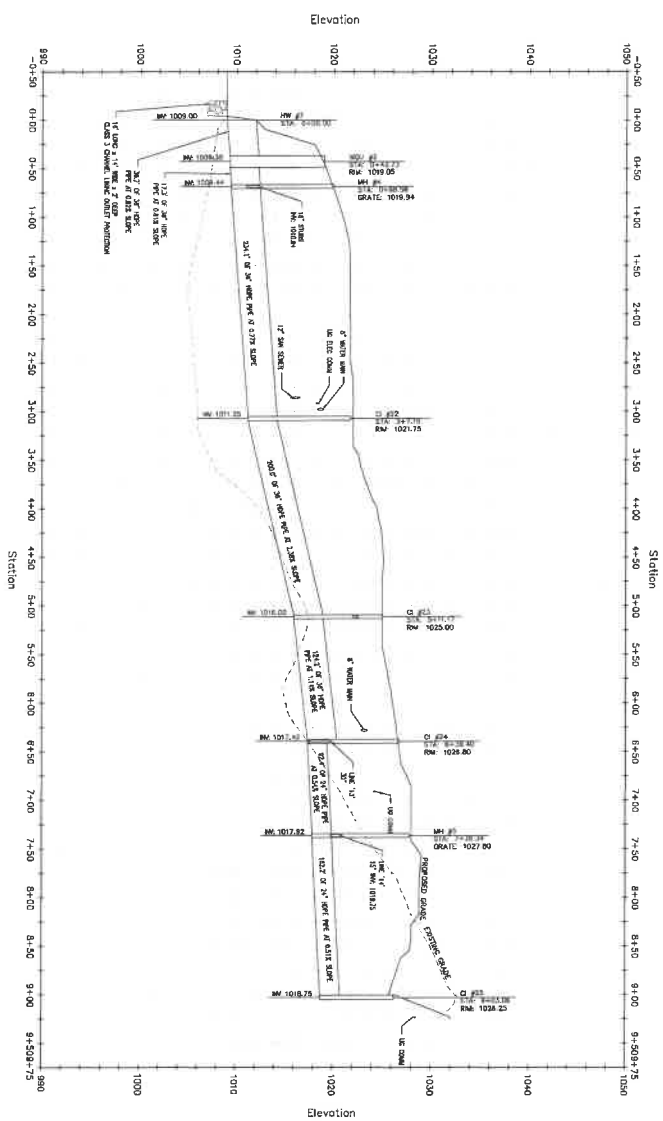
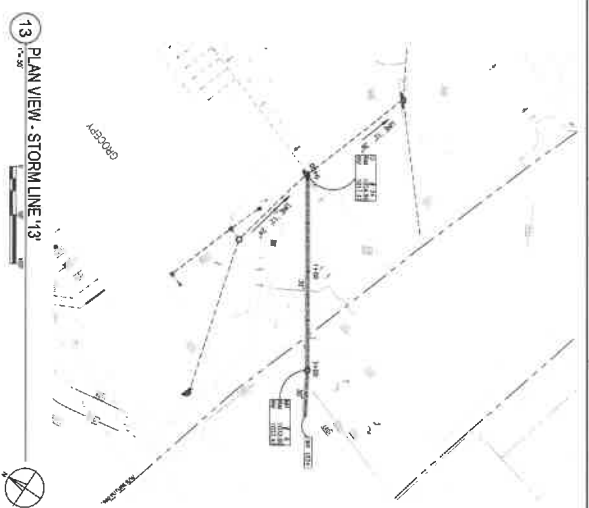
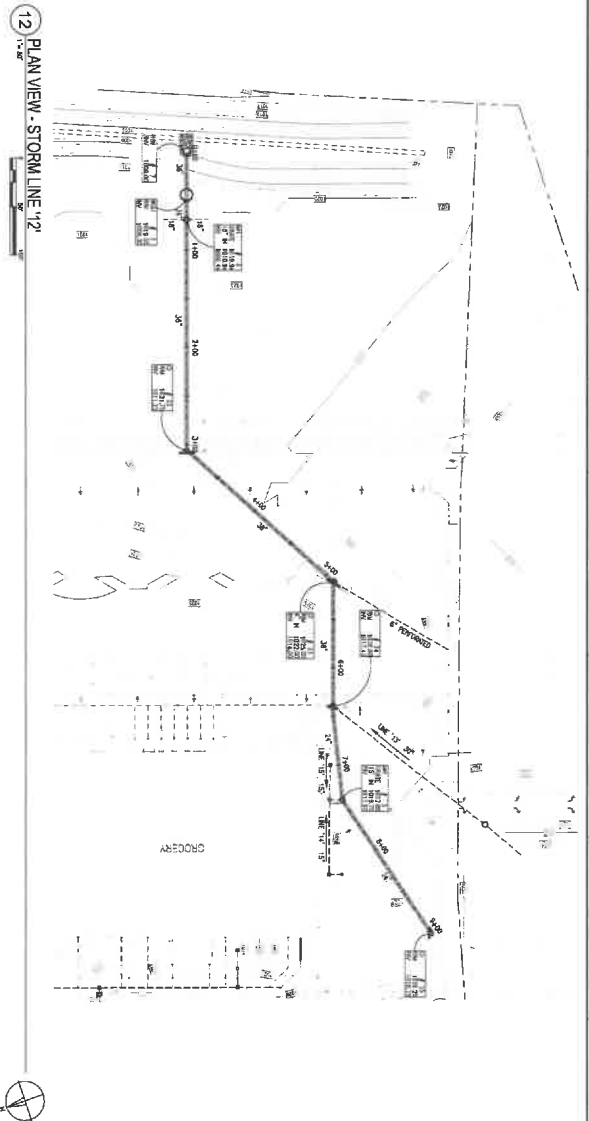


8 PROFILE VIEW - STORM LINE '8'

STORM PLAN AND PROFILES - LINE '8'
 STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

CMW
 CONSULTING ENGINEER
 License No. 10000
 Exp. 12/31/2024
 1000 NICHOLASVILLE RD
 NICHOLASVILLE, KY 40301
 (606) 243-1111
 WWW.CMWENGINEERS.COM

PROJECT NO.	C-302
DATE	11/15/23
SCALE	AS SHOWN
DRAWN BY	MM
CHECKED BY	MM
DATE	11/15/23
PROJECT LOCATION	STONEDALE - SITE DEVELOPMENT
CLIENT	STONEDALE DEVELOPMENT
DESIGNED BY	MM
CHECKED BY	MM
DATE	11/15/23
PROJECT NO.	C-302
DATE	11/15/23

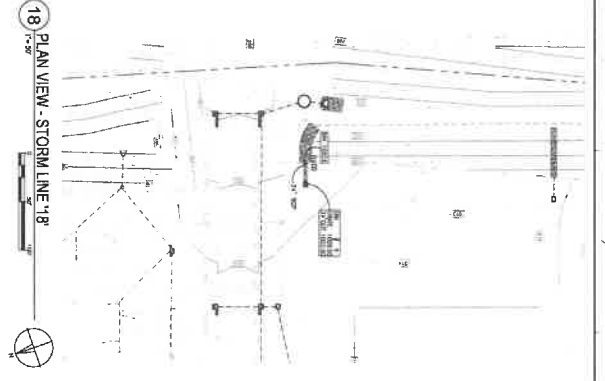


STORM PLAN AND PROFILES - LINE 12 AND 13

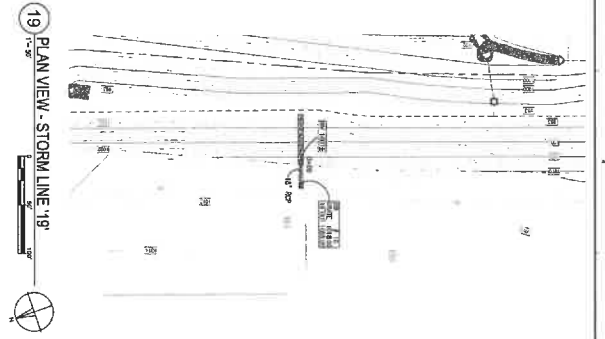
STONEDALE - SITE DEVELOPMENT
 4810 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



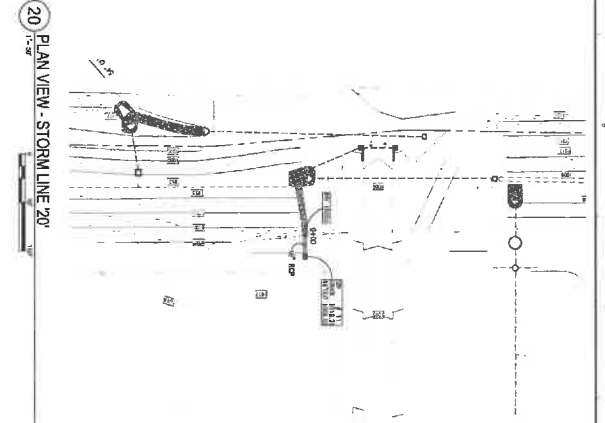
PROJECT NO.	C-304
DATE	11/20/20
DESIGNED BY	...
CHECKED BY	...
APPROVED BY	...



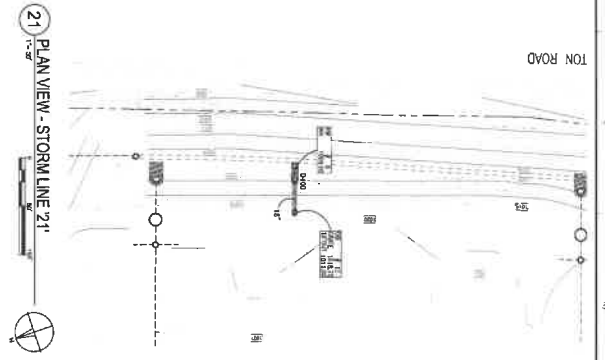
18 PLAN VIEW - STORM LINE 18'



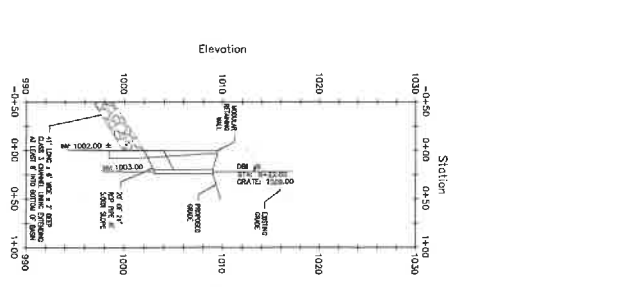
19 PLAN VIEW - STORM LINE 19'



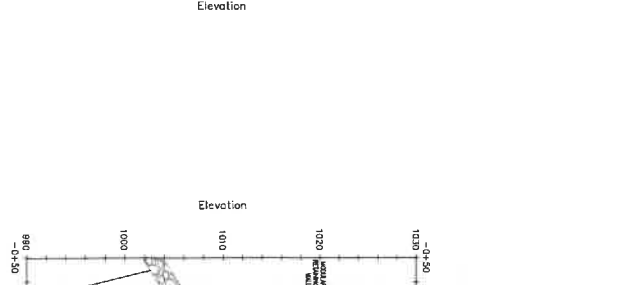
20 PLAN VIEW - STORM LINE 20'



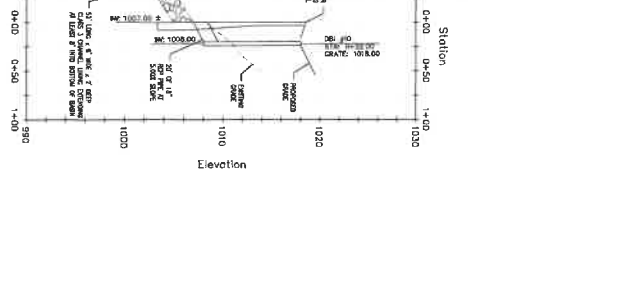
21 PLAN VIEW - STORM LINE 21'



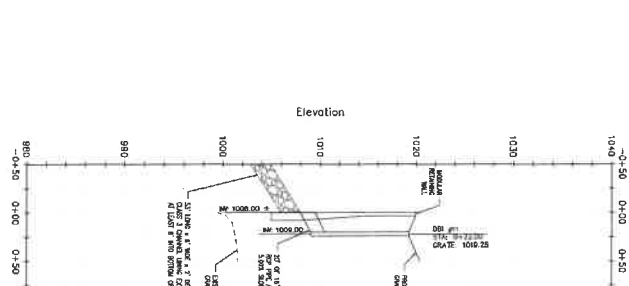
18 PROFILE VIEW - STORM LINE 18'



19 PROFILE VIEW - STORM LINE 19'



20 PROFILE VIEW - STORM LINE 20'

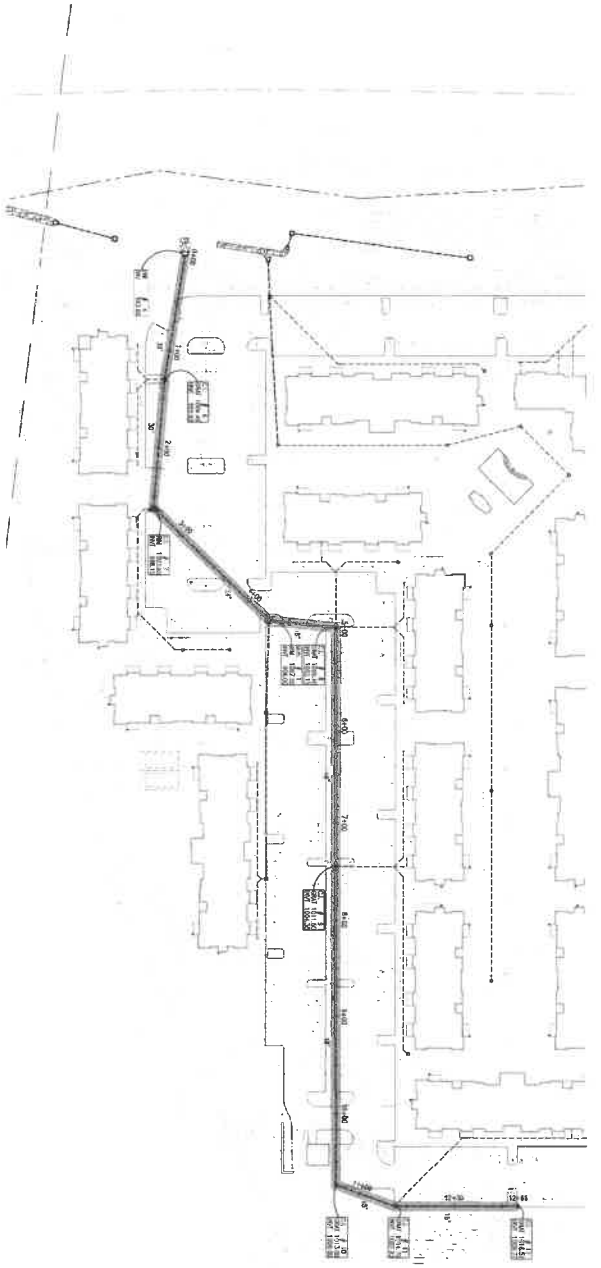


21 PROFILE VIEW - STORM LINE 21'

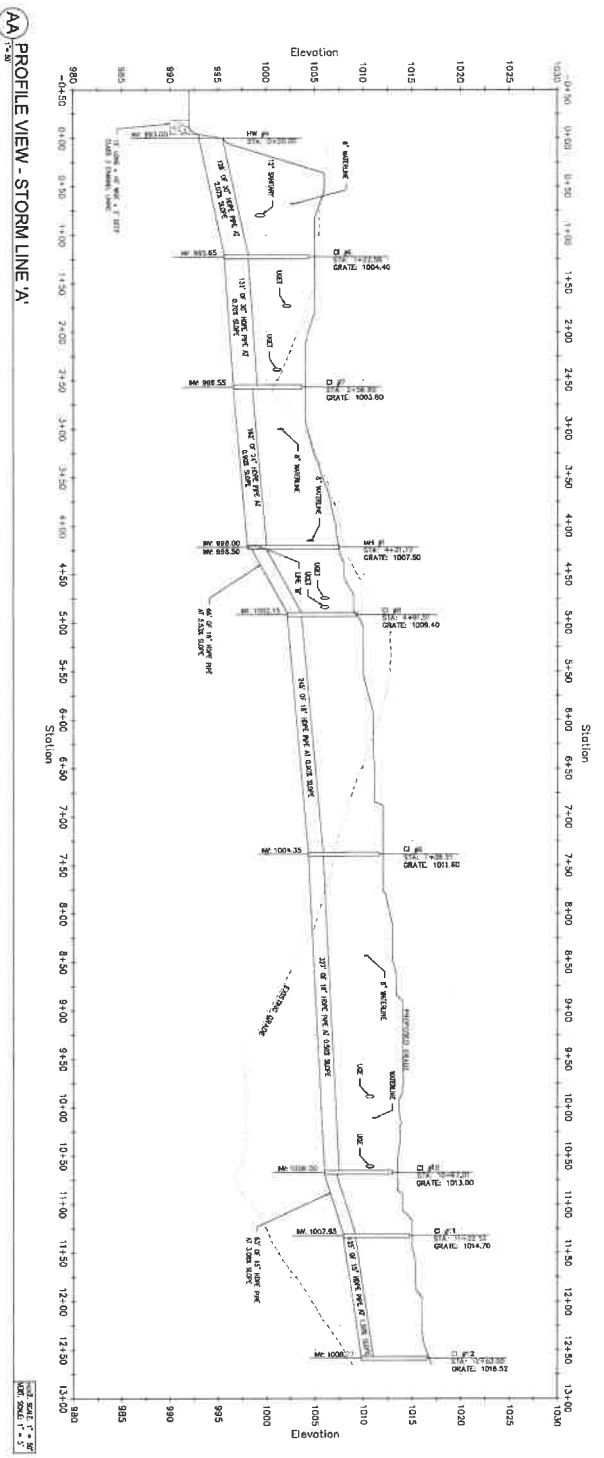


STORM PLAN AND PROFILES - LINE '18', '19', '20' AND '21'
 STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

C-306
 24053.01
 8/20/2018



A PLAN VIEW - STORM LINE 'A'



AA PROFILE VIEW - STORM LINE 'A'

STORM PROFILES - LINE 'A'

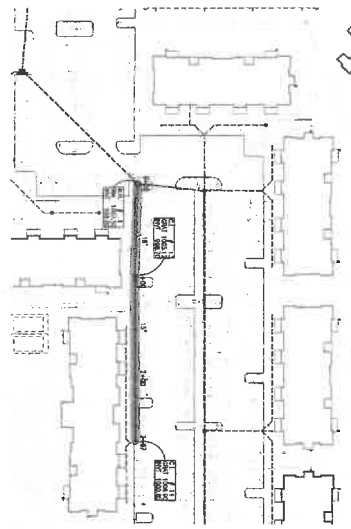
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD. (US-27)
 NICHOLASVILLE, KENTUCKY

DATE: 08/20/2013
 TIME: 10:00 AM
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]

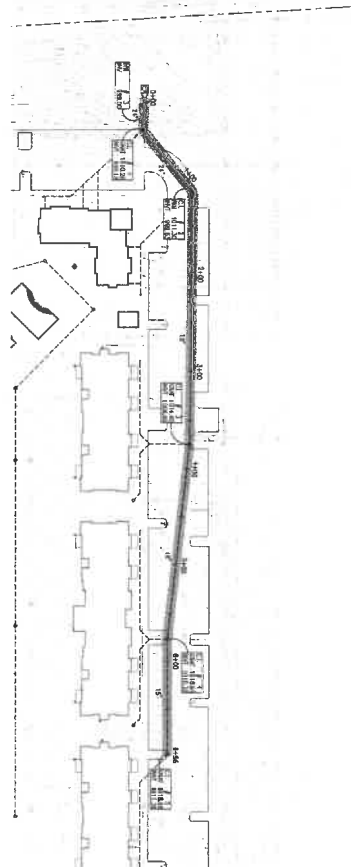
C-307

CMW
 CONSULTING ENGINEERS
 1000 W. MAIN ST., SUITE 100
 NICHOLASVILLE, KY 40301
 PH: 502-738-1111
 FAX: 502-738-1112
 WWW.CMW-ENGINEERS.COM

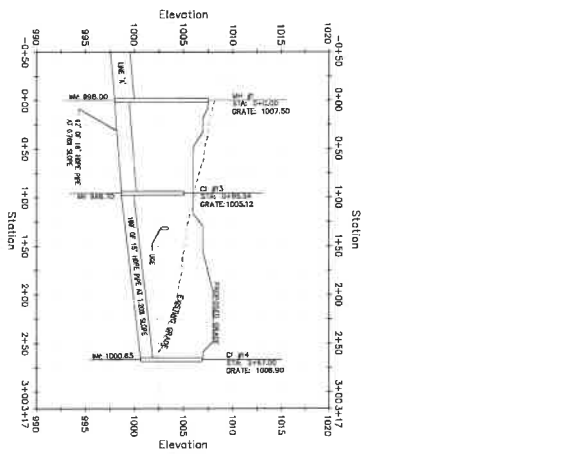
DAVID A. [Name]
 PROFESSIONAL ENGINEER
 STATE OF KENTUCKY
 LICENSE NO. 10000
 EXPIRES 12/31/2014



B PLAN VIEW - STORM LINE 'B'

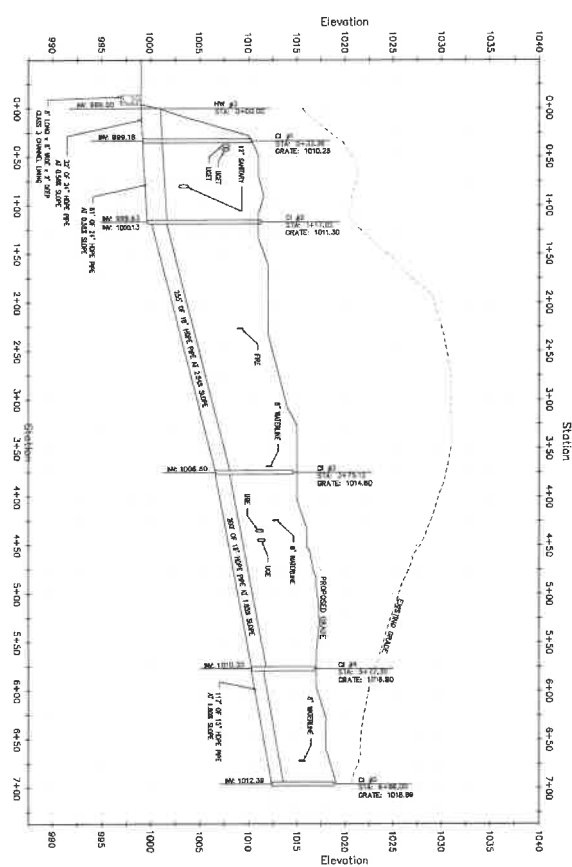


C PLAN VIEW - STORM LINE 'C'



BB PROFILE VIEW - STORM LINE 'B'

VERT SCALE: 1" = 2'
HORIZ SCALE: 1" = 2'



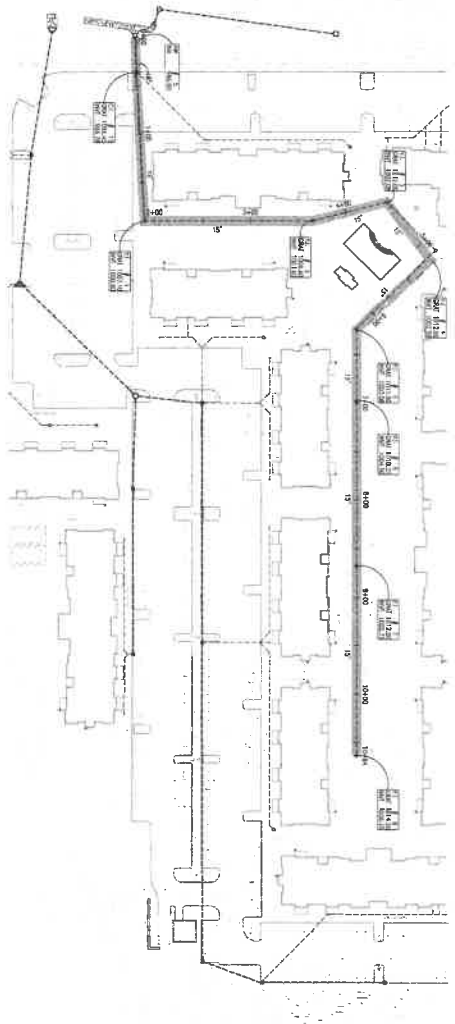
CC PROFILE VIEW - STORM LINE 'C'

VERT SCALE: 1" = 2'
HORIZ SCALE: 1" = 2'

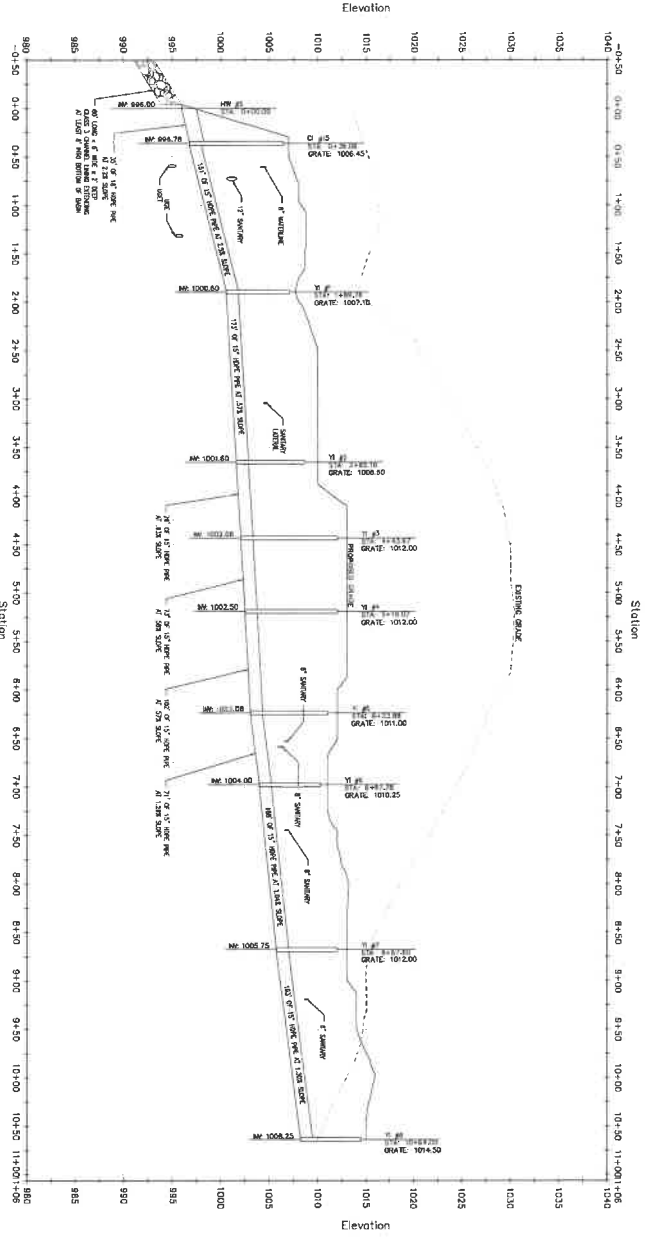
STORM PROFILES - LINE 'B' AND 'C'
 STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



C-308
 24053.01
 8/20/2016



D PLAN VIEW - STORM LINE 'D'



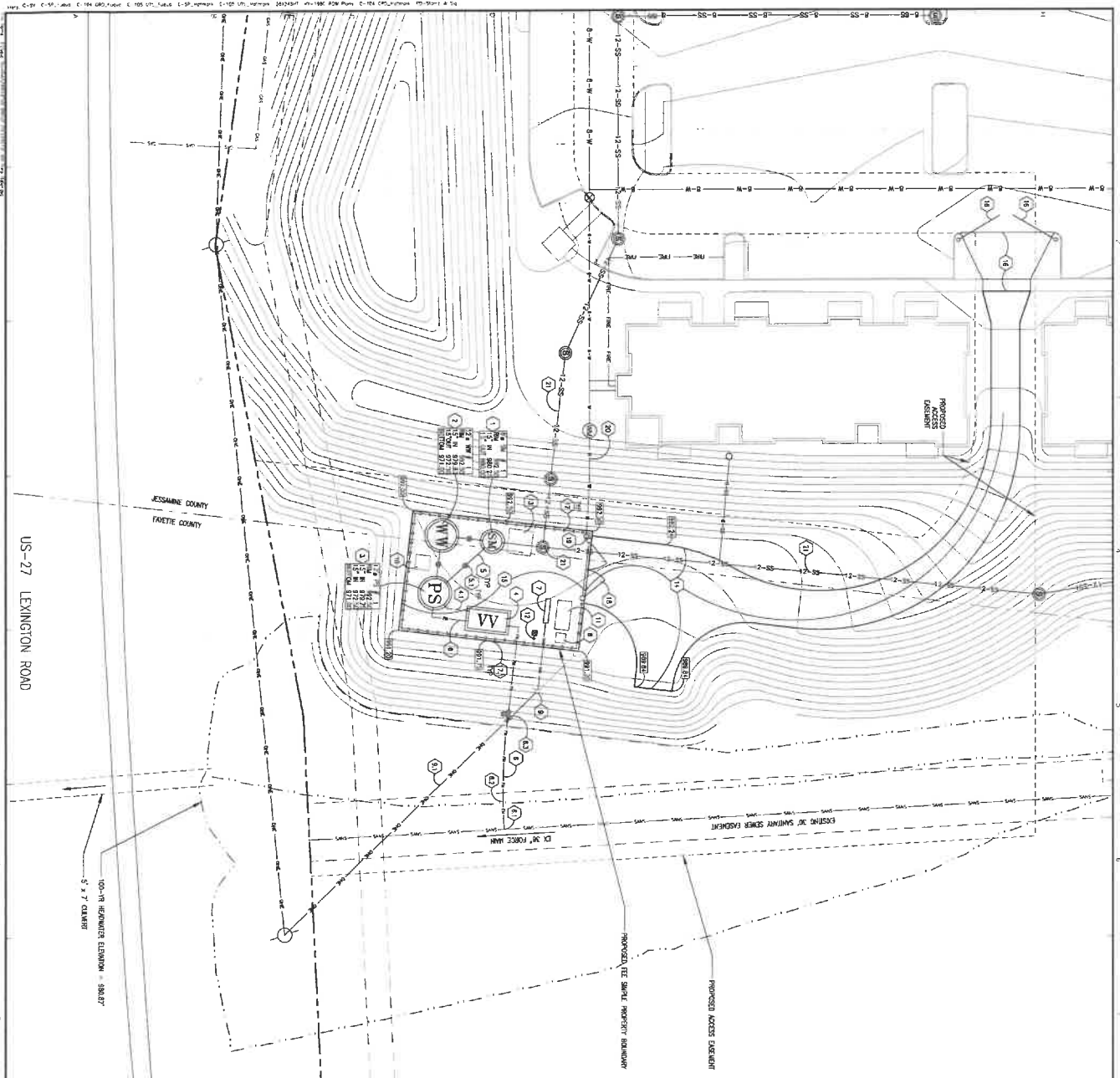
DD PROFILE VIEW - STORM LINE 'D'



STORM PROFILES - LINE 'D'
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

DATE	DESCRIPTION

C-309
 240533.01
 08/20/2011



GENERAL NOTES

1. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL, STATE AND FEDERAL AGENCIES PRIOR TO COMMENCEMENT OF WORK.
2. CONTRACTOR TO MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES UNLESS OTHERWISE INDICATED ON THIS PLAN.
3. CONTRACTOR TO MAINTAIN ALL EXISTING DRIVEWAYS AND DRIVEWAYS UNLESS OTHERWISE INDICATED ON THIS PLAN.
4. CONTRACTOR TO MAINTAIN ALL EXISTING SIDEWALKS AND SIDEWALKS UNLESS OTHERWISE INDICATED ON THIS PLAN.
5. CONTRACTOR TO MAINTAIN ALL EXISTING CURBS AND CURBS UNLESS OTHERWISE INDICATED ON THIS PLAN.
6. CONTRACTOR TO MAINTAIN ALL EXISTING FENCES AND FENCES UNLESS OTHERWISE INDICATED ON THIS PLAN.
7. CONTRACTOR TO MAINTAIN ALL EXISTING SIGNAGE AND SIGNAGE UNLESS OTHERWISE INDICATED ON THIS PLAN.
8. CONTRACTOR TO MAINTAIN ALL EXISTING LIGHTING AND LIGHTING UNLESS OTHERWISE INDICATED ON THIS PLAN.
9. CONTRACTOR TO MAINTAIN ALL EXISTING LANDSCAPING AND LANDSCAPING UNLESS OTHERWISE INDICATED ON THIS PLAN.
10. CONTRACTOR TO MAINTAIN ALL EXISTING TREES AND TREES UNLESS OTHERWISE INDICATED ON THIS PLAN.
11. CONTRACTOR TO MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES UNLESS OTHERWISE INDICATED ON THIS PLAN.
12. CONTRACTOR TO MAINTAIN ALL EXISTING DRIVEWAYS AND DRIVEWAYS UNLESS OTHERWISE INDICATED ON THIS PLAN.
13. CONTRACTOR TO MAINTAIN ALL EXISTING SIDEWALKS AND SIDEWALKS UNLESS OTHERWISE INDICATED ON THIS PLAN.
14. CONTRACTOR TO MAINTAIN ALL EXISTING CURBS AND CURBS UNLESS OTHERWISE INDICATED ON THIS PLAN.
15. CONTRACTOR TO MAINTAIN ALL EXISTING FENCES AND FENCES UNLESS OTHERWISE INDICATED ON THIS PLAN.
16. CONTRACTOR TO MAINTAIN ALL EXISTING SIGNAGE AND SIGNAGE UNLESS OTHERWISE INDICATED ON THIS PLAN.
17. CONTRACTOR TO MAINTAIN ALL EXISTING LIGHTING AND LIGHTING UNLESS OTHERWISE INDICATED ON THIS PLAN.
18. CONTRACTOR TO MAINTAIN ALL EXISTING LANDSCAPING AND LANDSCAPING UNLESS OTHERWISE INDICATED ON THIS PLAN.
19. CONTRACTOR TO MAINTAIN ALL EXISTING TREES AND TREES UNLESS OTHERWISE INDICATED ON THIS PLAN.
20. CONTRACTOR TO MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES UNLESS OTHERWISE INDICATED ON THIS PLAN.
21. CONTRACTOR TO MAINTAIN ALL EXISTING DRIVEWAYS AND DRIVEWAYS UNLESS OTHERWISE INDICATED ON THIS PLAN.
22. CONTRACTOR TO MAINTAIN ALL EXISTING SIDEWALKS AND SIDEWALKS UNLESS OTHERWISE INDICATED ON THIS PLAN.
23. CONTRACTOR TO MAINTAIN ALL EXISTING CURBS AND CURBS UNLESS OTHERWISE INDICATED ON THIS PLAN.
24. CONTRACTOR TO MAINTAIN ALL EXISTING FENCES AND FENCES UNLESS OTHERWISE INDICATED ON THIS PLAN.

KEYED NOTES

1. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
2. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
3. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
4. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
5. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
6. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
7. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
8. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
9. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
10. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
11. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
12. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
13. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
14. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
15. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
16. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
17. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
18. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
19. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
20. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
21. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
22. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
23. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.
24. EXISTING CONCRETE DRIVEWAY TO BE MAINTAINED AND REPAIRED AS NECESSARY TO REMAIN IN SERVICE.

PUMP STATION SITE PLAN
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

CMW
 CONSULTING ENGINEERS
 1111 NICHOLASVILLE RD
 NICHOLASVILLE, KY 40301
 (606) 223-1111
 www.cmw-engineers.com

PROFESSIONAL ENGINEER
 STATE OF KENTUCKY
 LICENSE NO. 11111
 11-19-2022

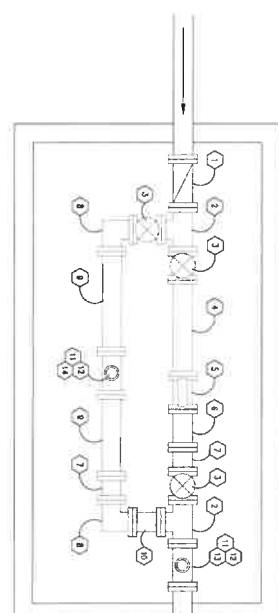
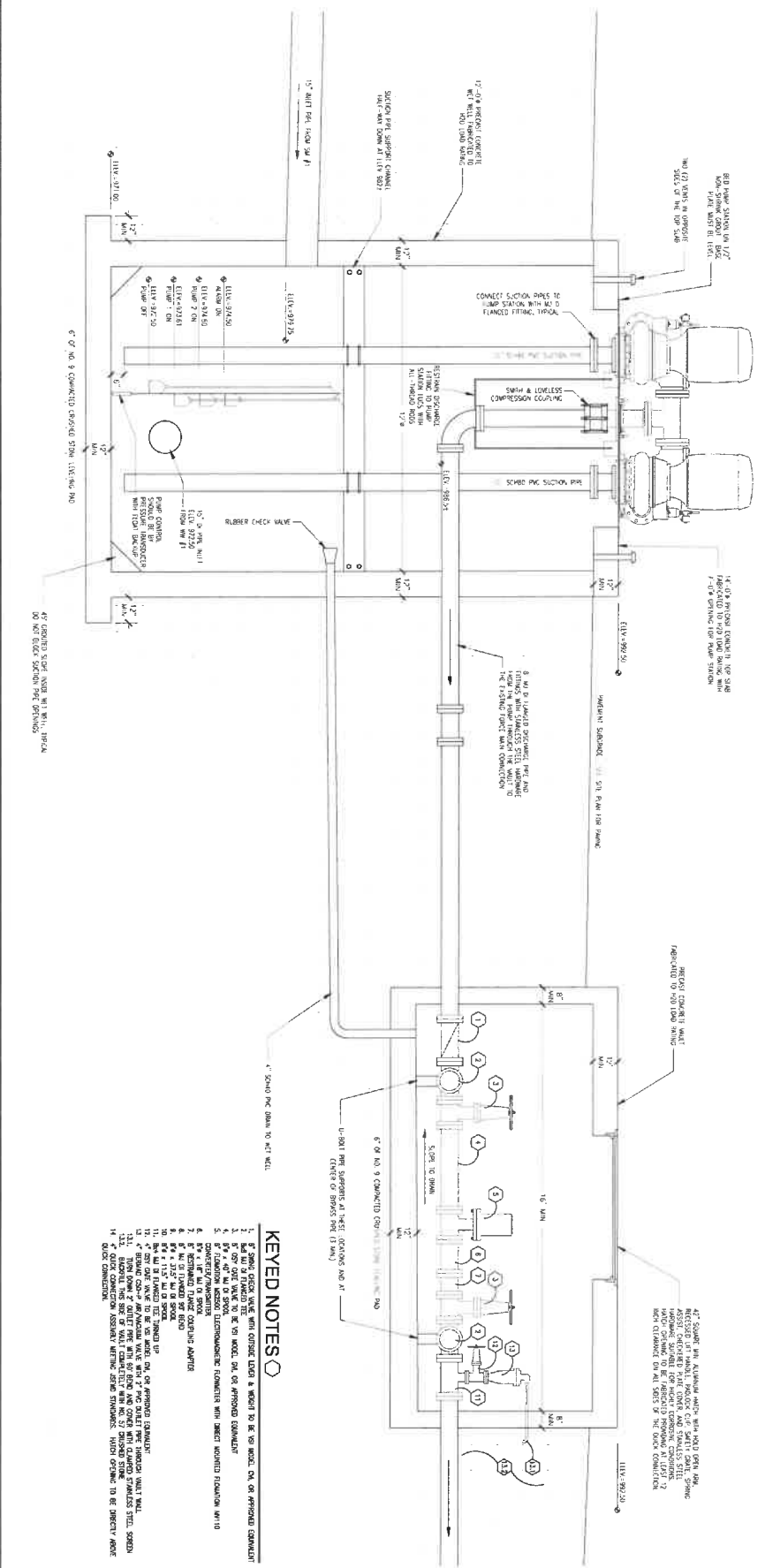
DESIGNED BY: J. SMITH
CHECKED BY: M. SMITH
DATE: 11-19-2022

PROJECT NUMBER: 24053.01
SCALE: CIVIL
C-400
 FLORIDA

GENERAL NOTES

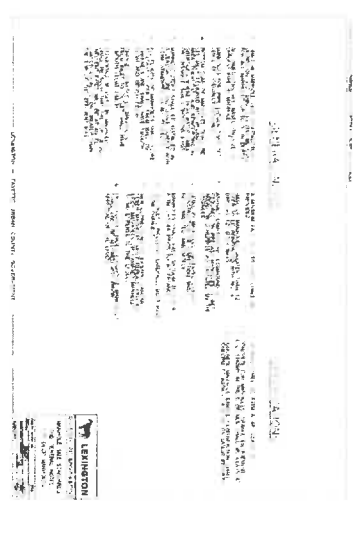
1. ALL CONCRETE STRUCTURES SHALL BE CAST IN PLACE CONCRETE.
2. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
3. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
4. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
5. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
6. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
7. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
8. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
9. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
10. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
11. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
12. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
13. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
14. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
15. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
16. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
17. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
18. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
19. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.
20. ALL CONCRETE SHALL BE CAST WITH 4" MIN. THICK REINFORCING BARS.

PUMP BASIN OR DESIGN
 Type: Vertical, Variable-Speed Pumps with Variable Speed Controls
 Model No.: Zomba & Lombardi Limited
 Heating: 200 GPM @ 100 PSI
 Motor: 3/4 HP 115V 3PH
 Elevation: 200' / 200' / 200'

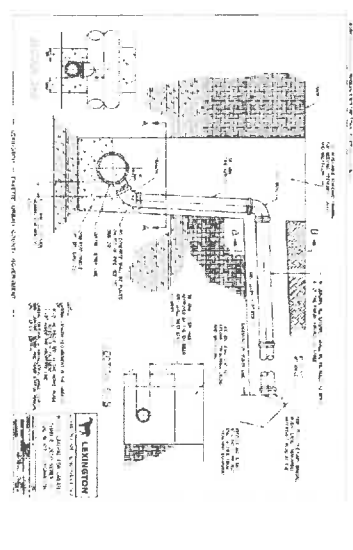


- KEYED NOTES**
1. 6\"/>
 - 2. 6\"/>
 - 3. 6\"/>
 - 4. 6\"/>
 - 5. 6\"/>
 - 6. 6\"/>
 - 7. 6\"/>
 - 8. 6\"/>
 - 9. 6\"/>
 - 10. 6\"/>
 - 11. 6\"/>
 - 12. 6\"/>
 - 13. 6\"/>
 - 14. 6\"/>
 - 15. 6\"/>
 - 16. 6\"/>
 - 17. 6\"/>
 - 18. 6\"/>
 - 19. 6\"/>
 - 20. 6\"/>

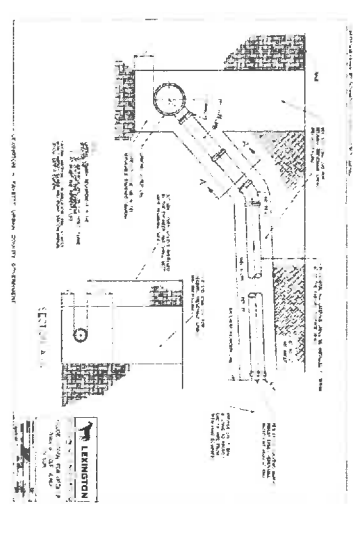
	<p>CMW Engineering, Inc. 1000 S. 10th Street Suite 100 Louisville, KY 40203 Phone: (502) 582-1000 Fax: (502) 582-1001 Email: info@cmweng.com</p>
	<p>STONEDALE - SITE DEVELOPMENT 4610 NICHOLASVILLE RD (US-27) NICHOLASVILLE, KENTUCKY</p>
<p>PUMP STATION AND VALVE VAULT DETAILS</p>	<p>DATE FOR CONSTRUCTION: AUGUST 2005 SHEET NO.: 24053.01 DRAWN BY: [Name] CHECKED BY: [Name] DATE: [Date]</p>
<p>C-410 FUGUA</p>	<p>Project Number: 24053.01 Client: FUGUA</p>



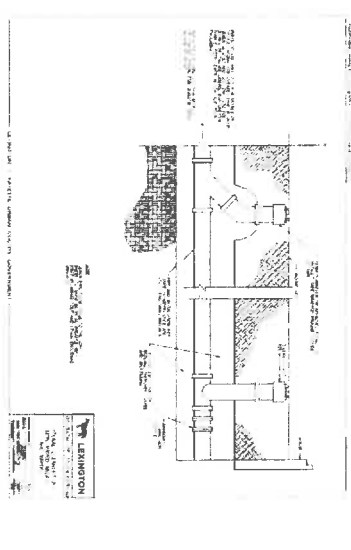
STD DWG 216
RIS



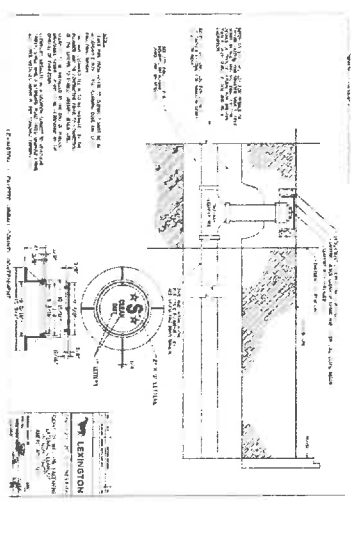
STD DWG 230
RIS



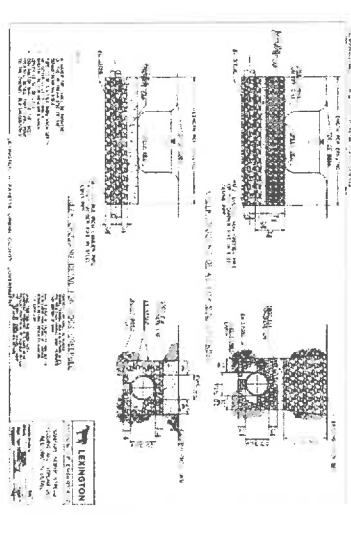
STD DWG 231
RIS



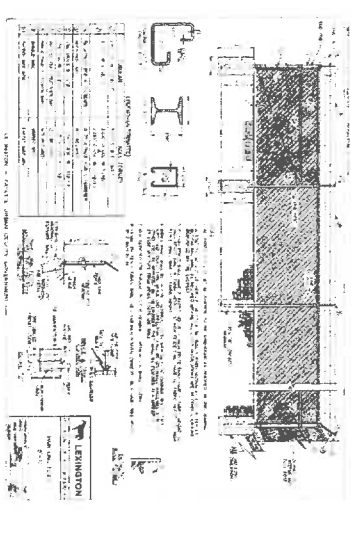
STD DWG 233
RIS



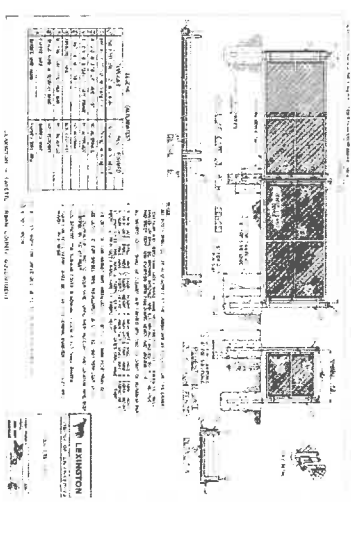
STD DWG 234
RIS



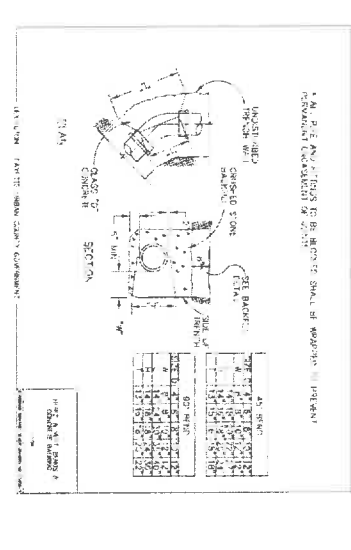
STD DWG 240
RIS



STD DWG 309
RIS



STD DWG 310
RIS



STD SAN SEWER DWG PS406
RIS

SANITARY SEWER DETAILS
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

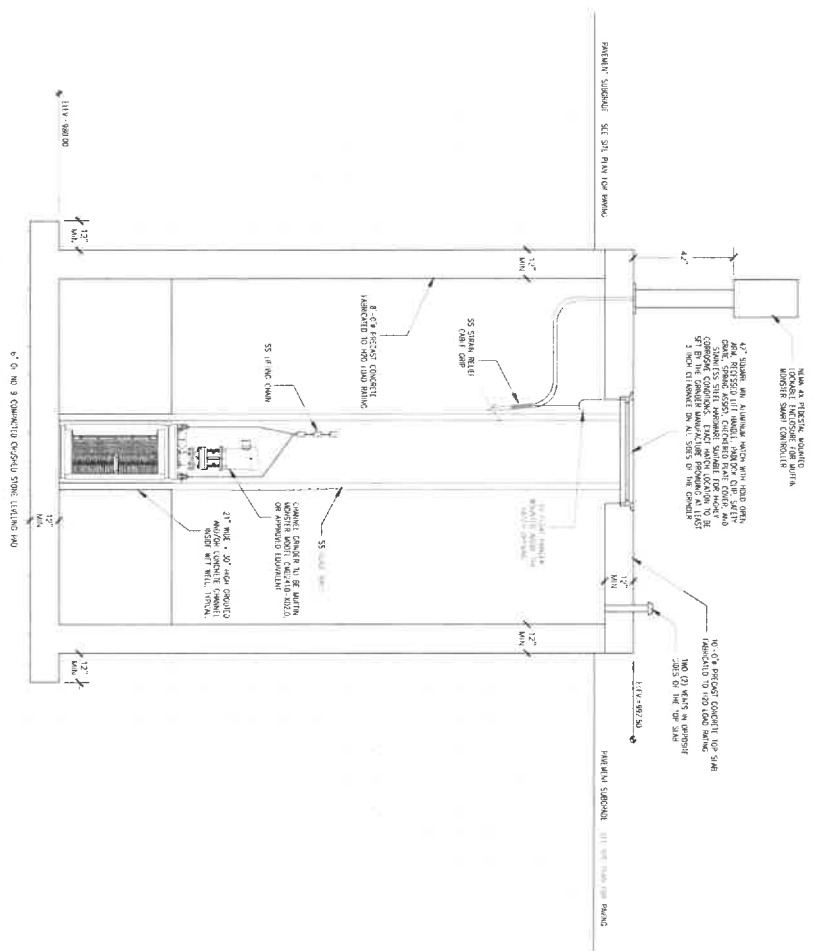


Project Number	24033.01
Drawn By	AMBER 2025
Checked By	FD
Revised	
Date	08/20/24
Author	AMBER

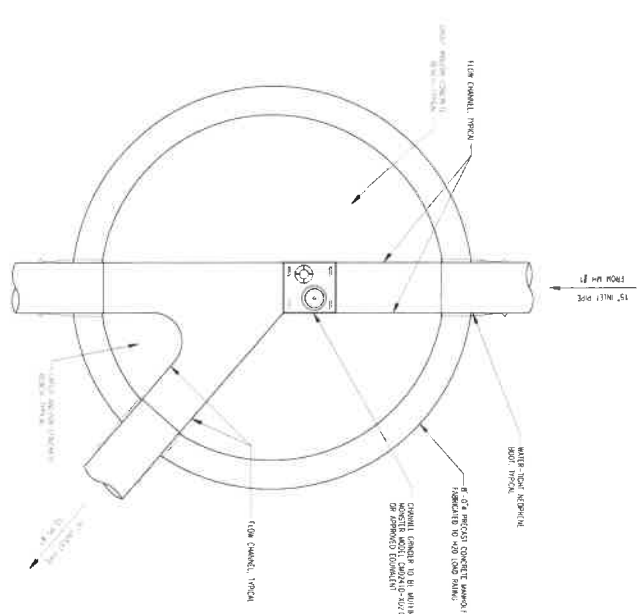
C-413
 FT/OLLA

GENERAL NOTES

1. ALL CONCRETE STRUCTURES SHALL BE CAST IN PLACE CONCRETE.
2. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4000 PSI STRENGTH.
3. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4" THICK REINFORCING BARS.
4. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4" THICK REINFORCING BARS.
5. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4" THICK REINFORCING BARS.
6. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4" THICK REINFORCING BARS.
7. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4" THICK REINFORCING BARS.
8. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4" THICK REINFORCING BARS.
9. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4" THICK REINFORCING BARS.
10. ALL CONCRETE SHALL BE CAST WITH A MINIMUM OF 4" THICK REINFORCING BARS.



**SECTION
SPLITTER MANHOLE**



**PLAN VIEW
SPLITTER MANHOLE**

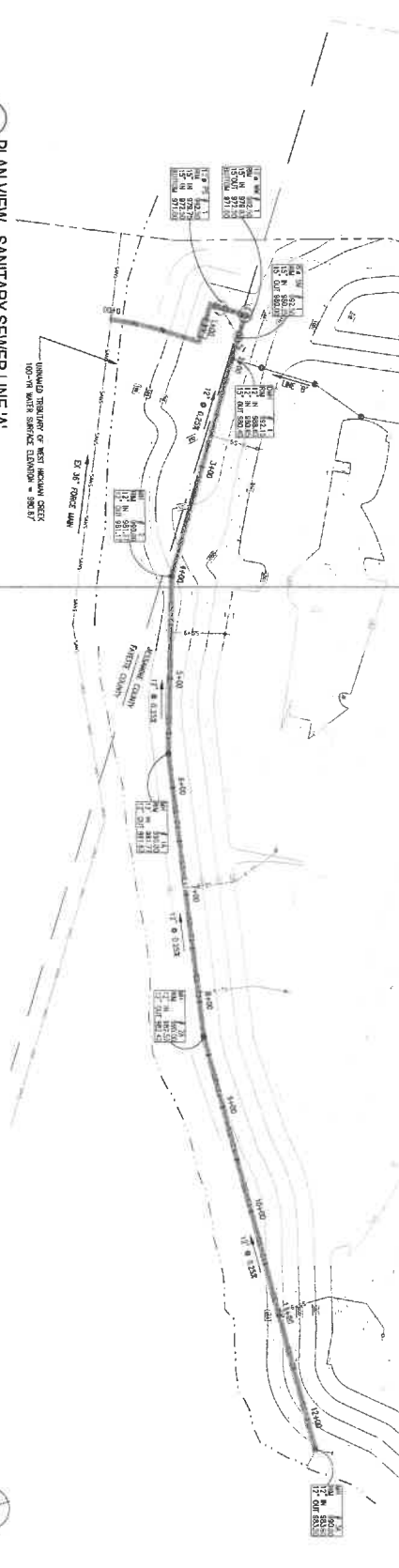
SPLITTER MANHOLE DETAILS
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



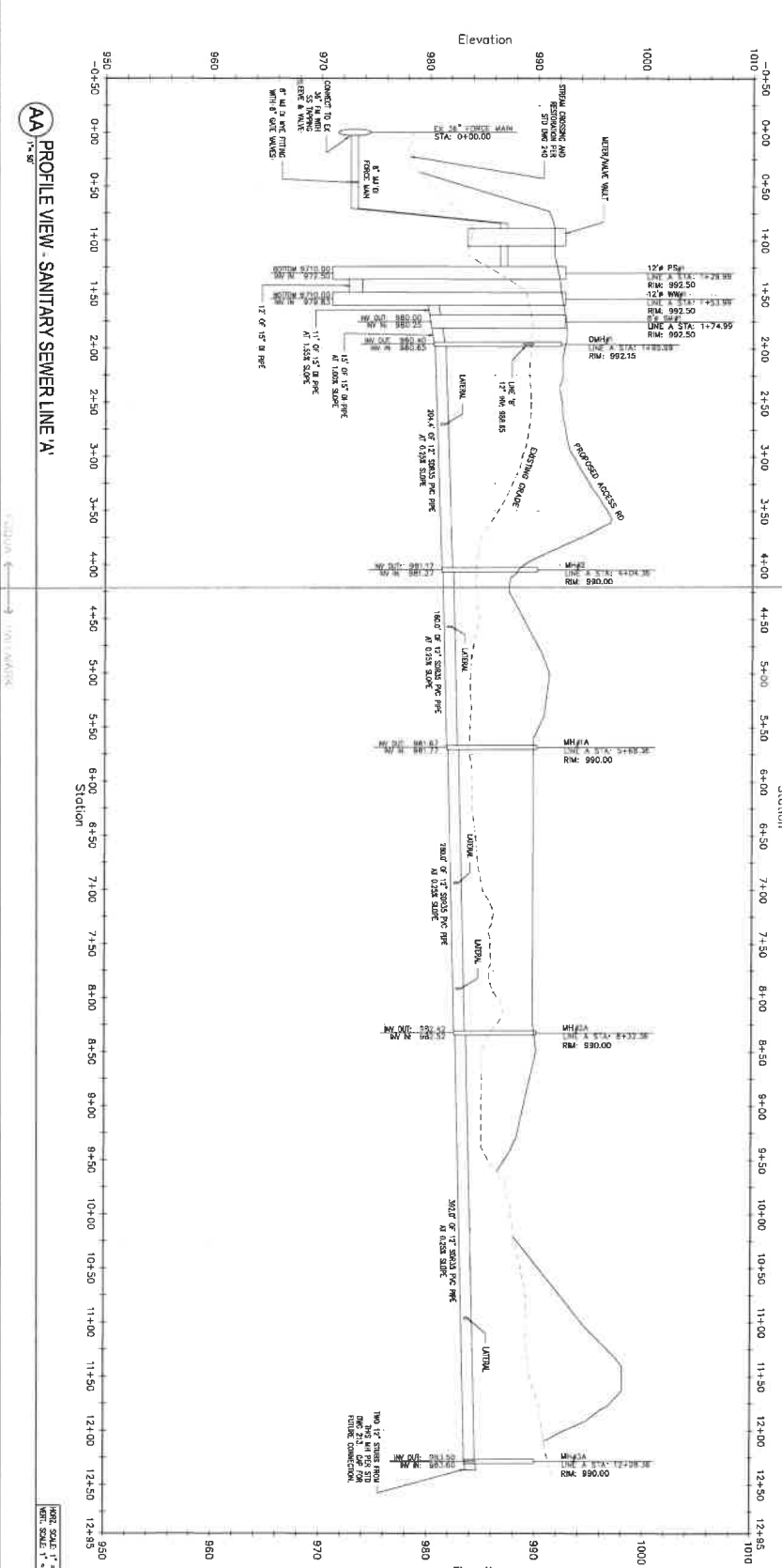
CMW
 Engineering
 2701 East Main Street
 Nicholasville, KY 40301
 Phone: 2025-3011
 Fax: 2025-3012
 Email: info@cmweng.com

PROJECT NO.	24053.01
DATE	12/14/2023
DESIGNED BY	ED/2023
CHECKED BY	
DATE	
SCALE	
APPROVED BY	
DATE	



Project Number: **24053.01**
 2025 01/14
C-414



A PLAN VIEW - SANITARY SEWER LINE 'A'

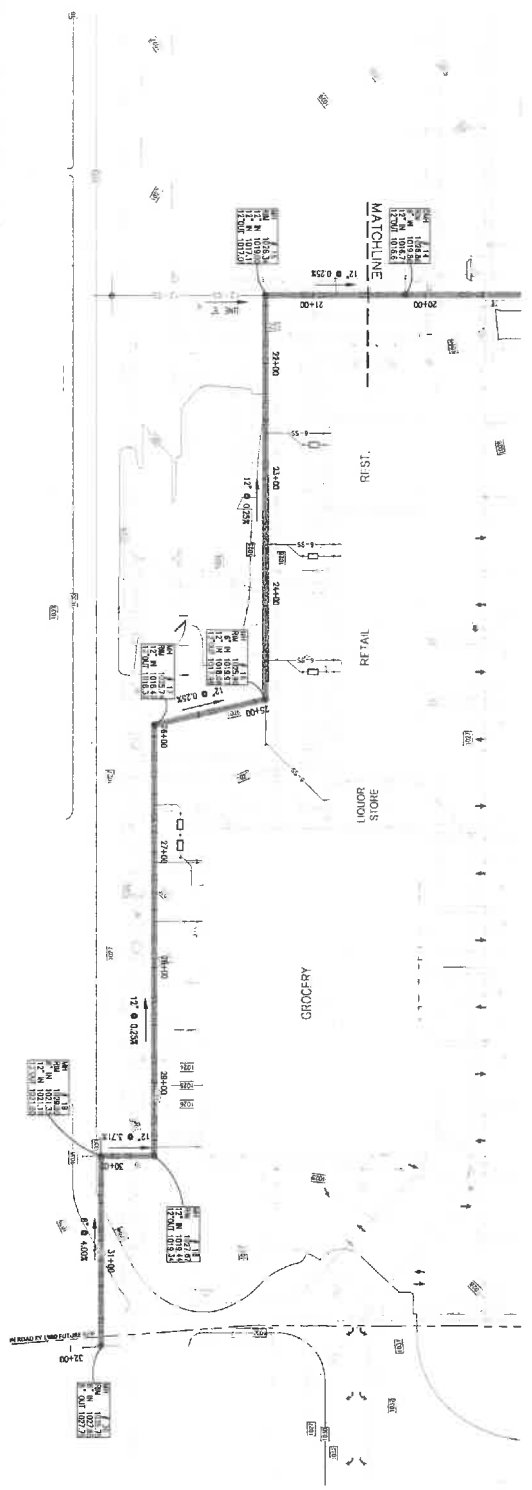


AA PROFILE VIEW - SANITARY SEWER LINE 'A'

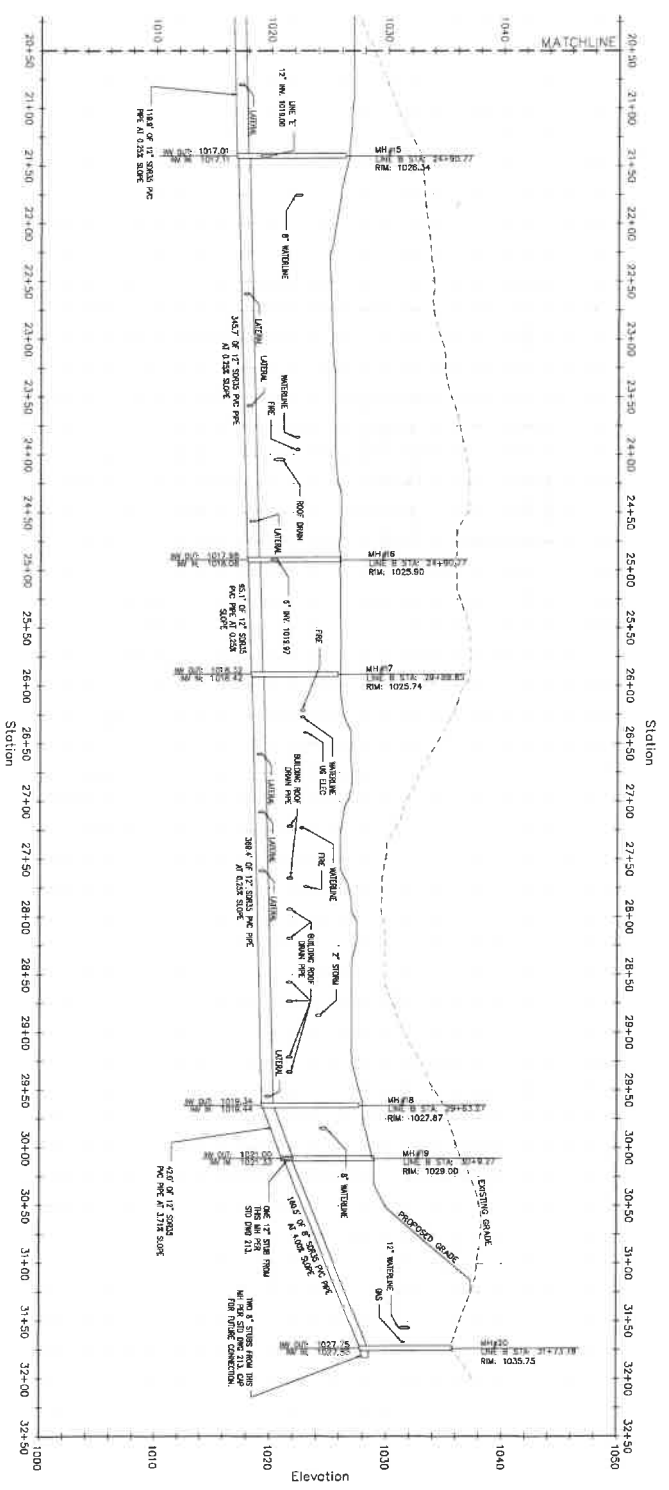
 <p> CMW CONSULTING ENGINEERS 1100 N. 10th Street Suite 100 Nicholasville, KY 40301 Phone: (606) 224-8377 Fax: (606) 224-8378 www.cmwinc.com </p>		SANITARY SEWER PLAN AND PROFILES - LINE 'A'	
		STONEDALE - SITE DEVELOPMENT 4610 NICHOLASVILLE RD (US-27) NICHOLASVILLE, KENTUCKY	
SUBMITTER FOR CONSTRUCTION Date: 08/01/2023 Drawn By: [Redacted] Checked By: [Redacted] Reviewed By: [Redacted]		DATE PLOTTED: 12/18/2023 TIME PLOTTED: 12:18:23	
TITLE: SANITARY SEWER PLAN AND PROFILES - LINE 'A' DRAWN: [Redacted]		SCALE: 1" = 30' DATE: 12/18/2023	

C-420

B
1" = 50'
PLAN VIEW - SANITARY SEWER LINE 'B'



BB
1" = 5'
PROFILE VIEW - SANITARY SEWER LINE 'B'



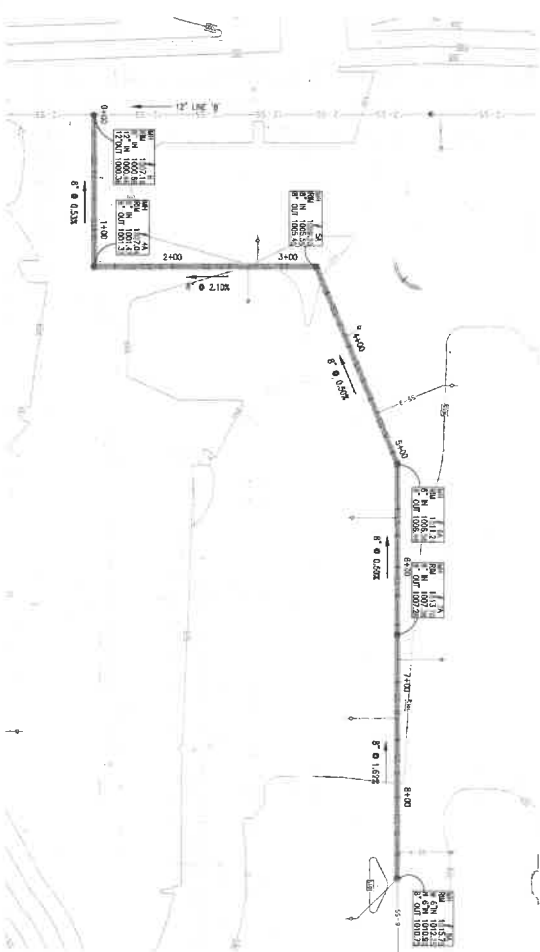
VERT. SCALE: 1" = 5'
HORIZ. SCALE: 1" = 50'

	Project Number 24053.01 6/20/2018 C-423	SANITARY SEWER PLAN AND PROFILES - LINE 'B' STONEDALE - SITE DEVELOPMENT 4610 NICHOLASVILLE RD (US-27) NICHOLASVILLE, KENTUCKY	
	Date: _____ Author: _____ Check By: _____ Approved: _____ Date: _____	Title: _____ Designer: _____ Checked By: _____ Date: _____	Date: _____ Author: _____ Check By: _____ Approved: _____ Date: _____

C PLAN VIEW - SANITARY SEWER LINE 'C'

1" = 30'

Station

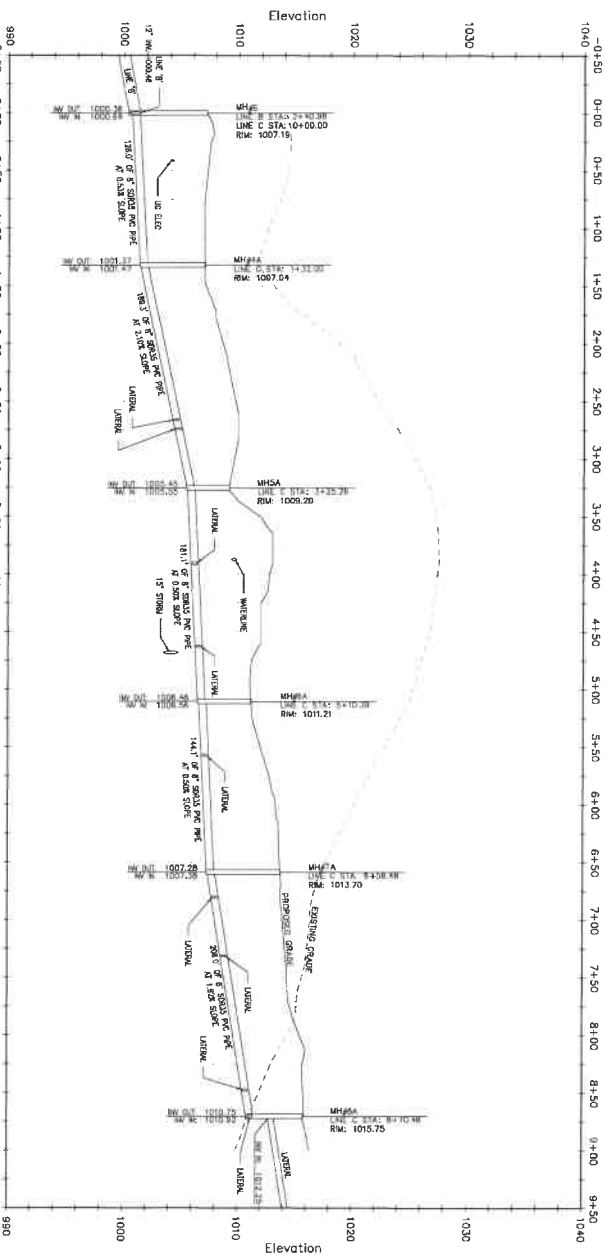


CC PROFILE VIEW - SANITARY SEWER LINE 'C'

1" = 30'

Station

Station



VERT. SCALE: 1" = 5'
HORIZ. SCALE: 1" = 30'

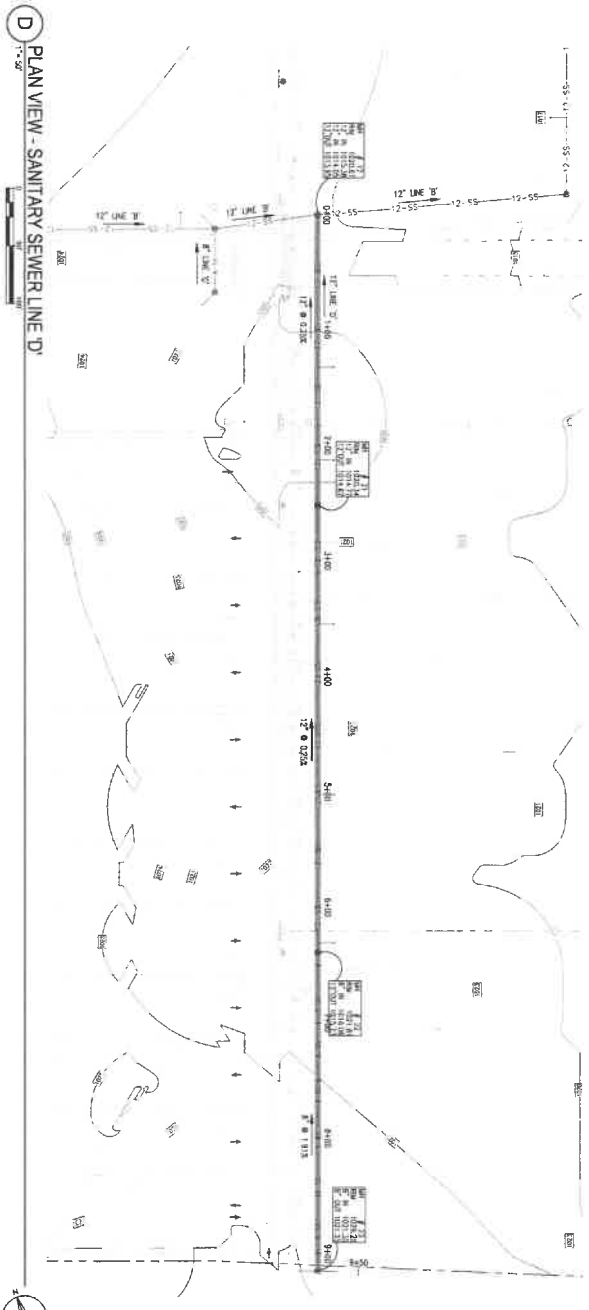
SANITARY SEWER PLAN AND PROFILES - LINE 'C'
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



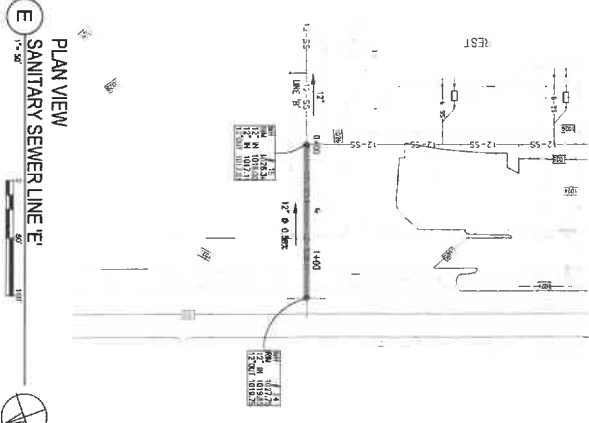
CMW
 Engineering
 2101 East Main Street
 Nicholasville, KY 40301
 Phone: (270) 244-4000
 Fax: (270) 244-4001
 Email: info@cmweng.com

Project Number	24053.01
Client	HALL WALKER
Drawn By	
Checked By	
Scale	
Date	
Author	
Reviewer	

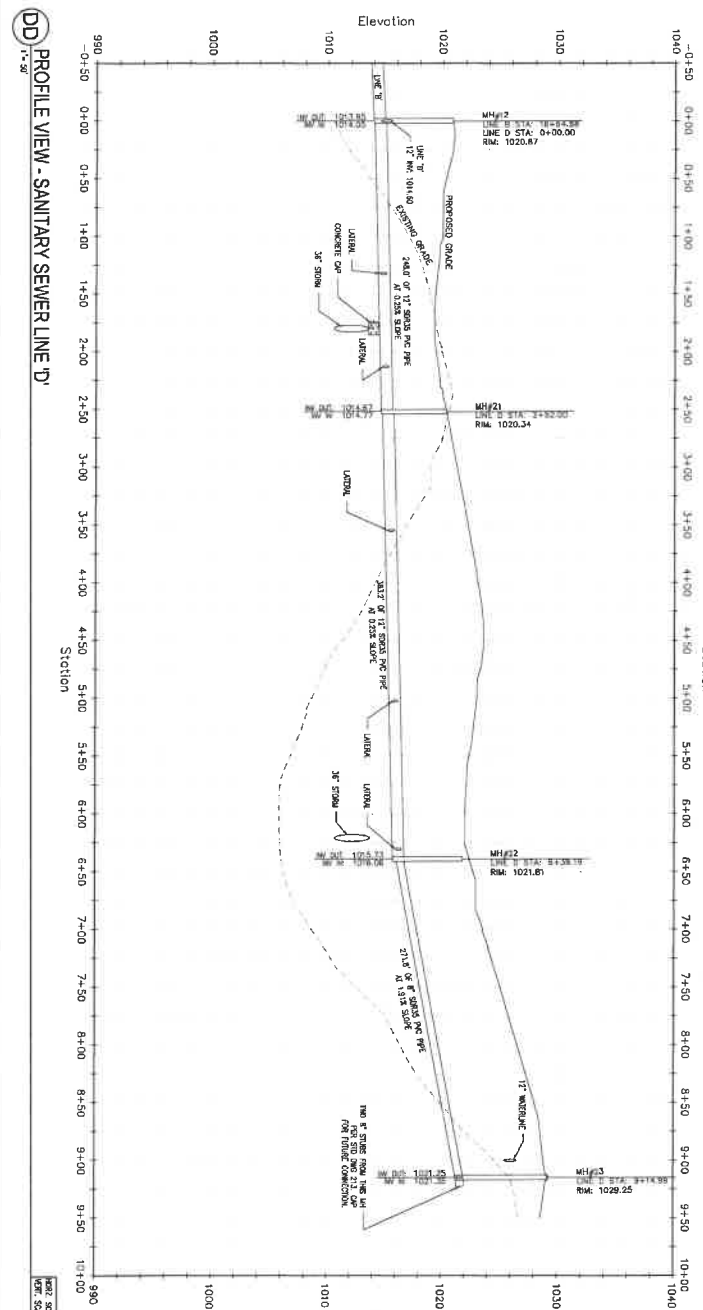
C-424



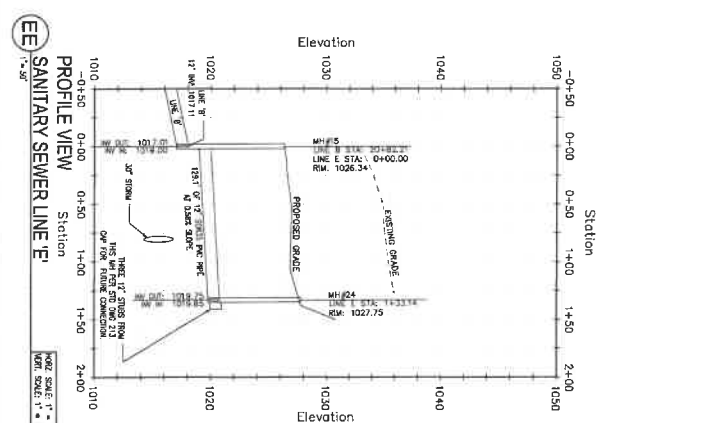
D PLAN VIEW - SANITARY SEWER LINE 'D'



E PLAN VIEW - SANITARY SEWER LINE 'E'



DD PROFILE VIEW - SANITARY SEWER LINE 'D'



EE PROFILE VIEW - SANITARY SEWER LINE 'E'

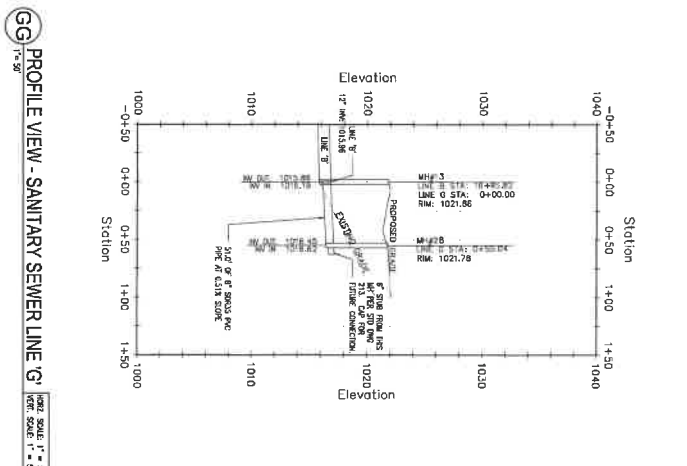
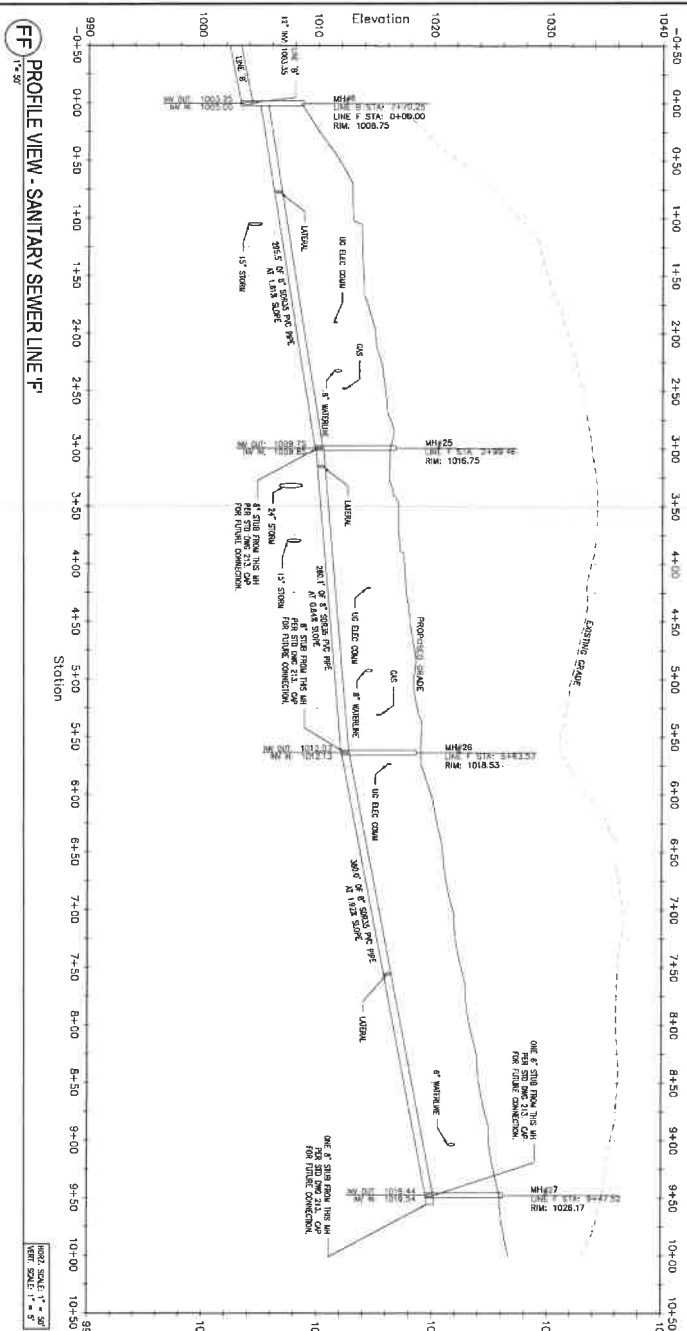
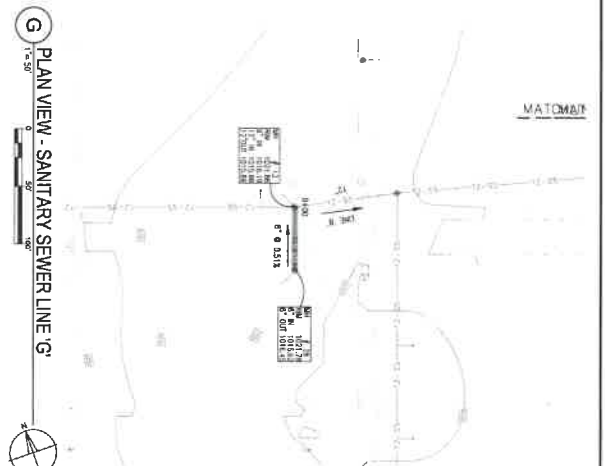
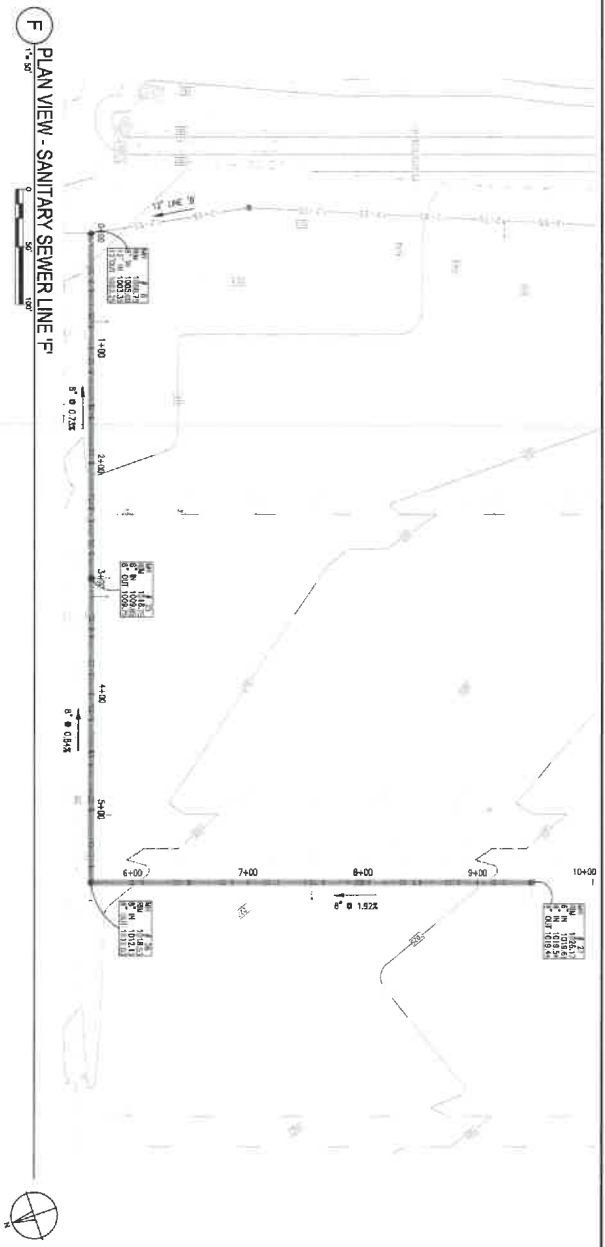
CMW
 CONSULTING
 ENGINEERS
 1000 N. LEXINGTON AVENUE
 SUITE 400
 LEXINGTON, KY 40502
 PH: (606) 253-8822
 FX: (606) 253-8822
 WWW.CMWENGINEERS.COM



SANITARY SEWER PLAN AND PROFILES - LINE 'D' AND 'E'
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

Project Number	24053.01
Client	CMW
Scale	1" = 5'
Author	AW/SLA
Check	SLA
Drawn	SLA
Revised	SLA
Approved	SLA
Date	02/28/2025

C-425
 E-1001A



FF PROFILE VIEW - SANITARY SEWER LINE 'F'
 HORIZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 5'

GG PROFILE VIEW - SANITARY SEWER LINE 'G'
 HORIZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 5'

F PLAN VIEW - SANITARY SEWER LINE 'F'
 HORIZ. SCALE: 1" = 50'

G PLAN VIEW - SANITARY SEWER LINE 'G'
 HORIZ. SCALE: 1" = 50'

SANITARY SEWER PLAN AND PROFILES - LINE 'F' AND 'G'
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



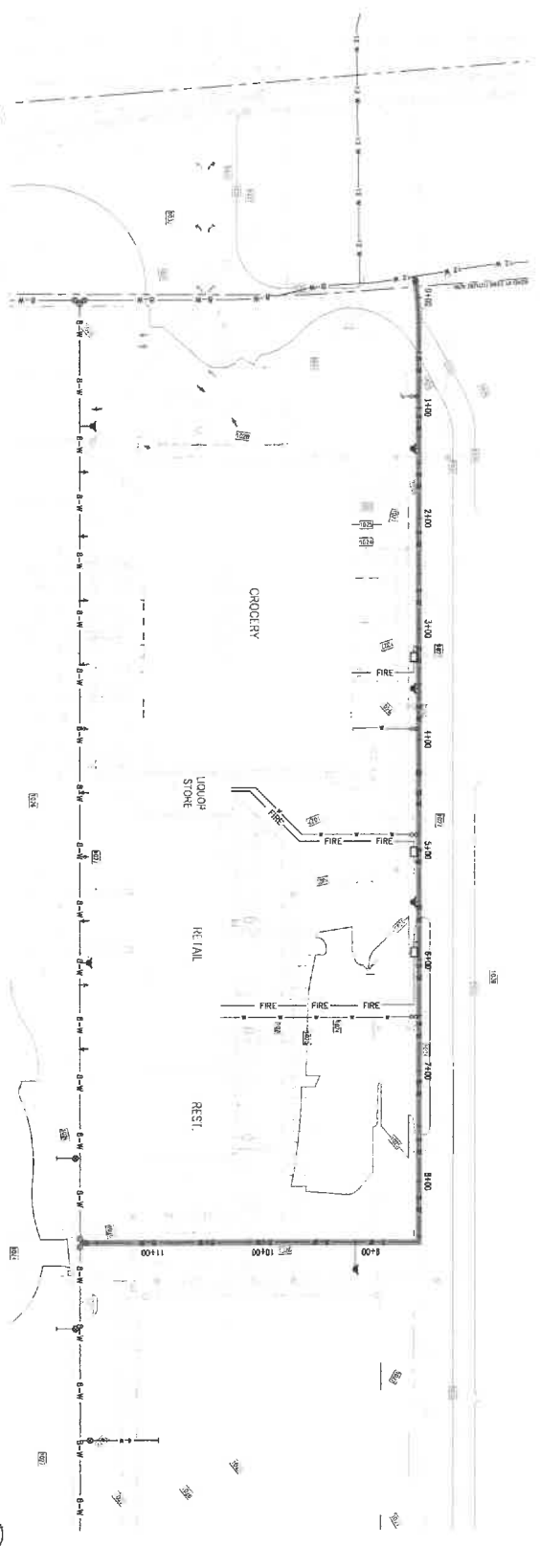
DATE	DESCRIPTION
11/11/2020	DESIGN
11/11/2020	CHECK
11/11/2020	APPROVE

CMW
 CIVIL ENGINEERING
 1000 S. MAIN ST., SUITE 100
 NICHOLASVILLE, KY 40301
 PH: (606) 221-0823
 FAX: (606) 221-0824
 WWW.CMWENGINEERS.COM

PROJECT NUMBER: **24055.01**
 DRAWING NO: **C-426**
 DATE: **11/11/2020**

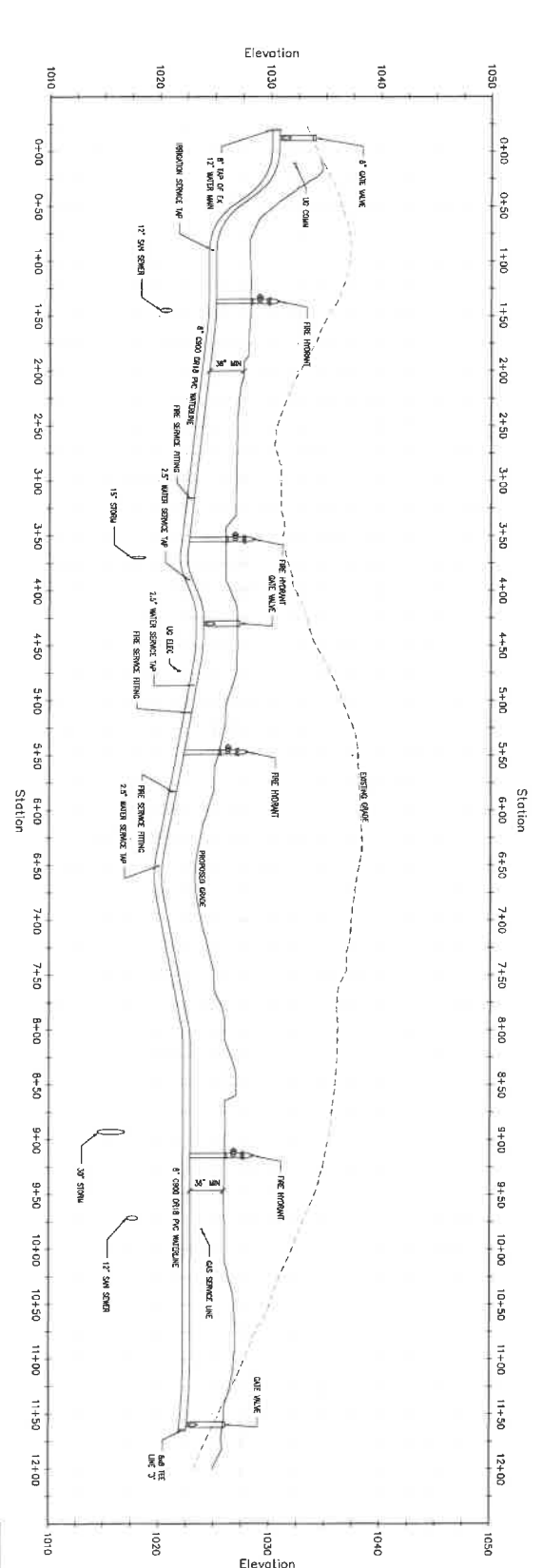
1 PLAN VIEW - WATER LINE '1'

1" = 50'

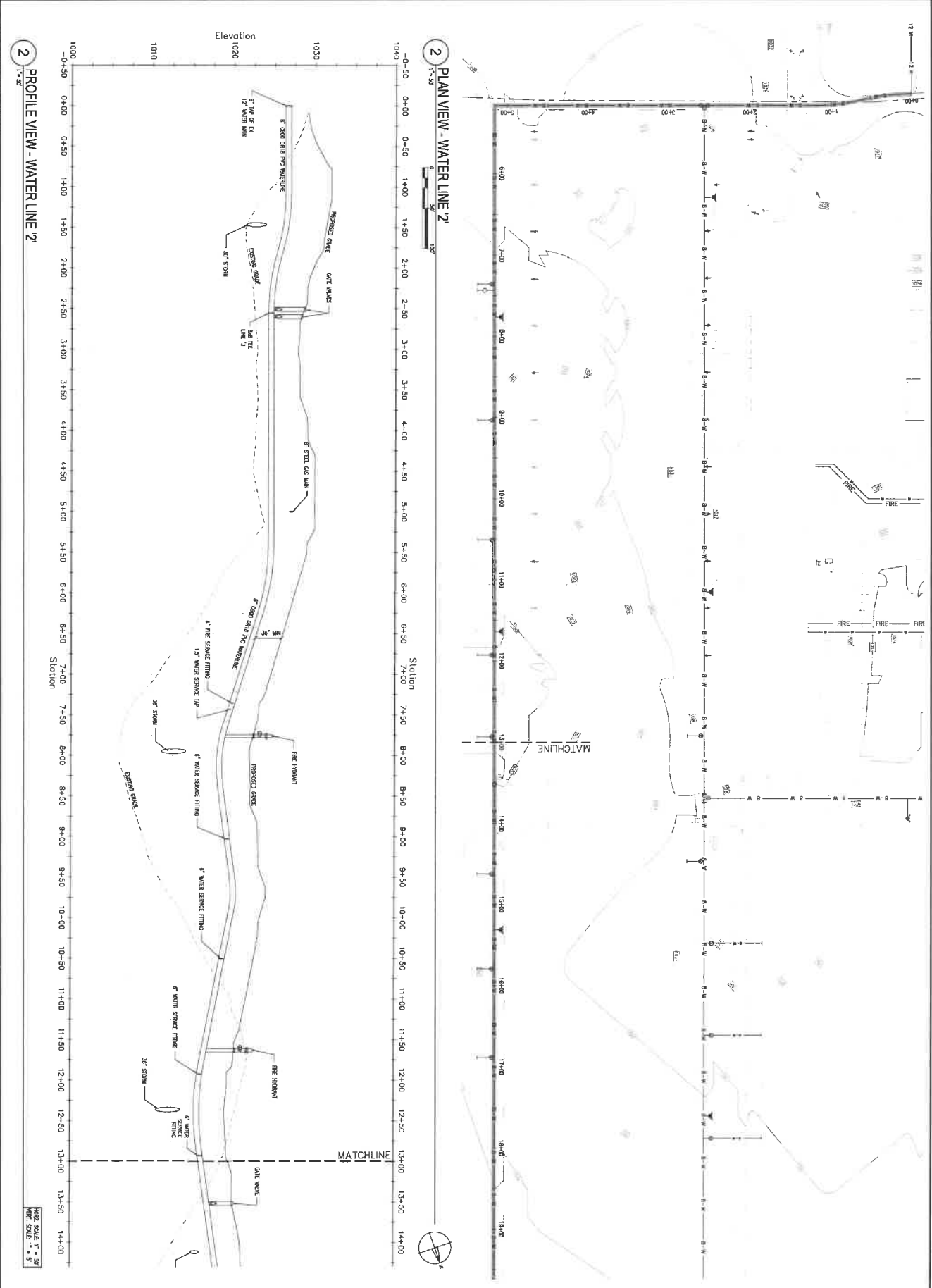


AA PROFILE VIEW - WATER LINE '1'

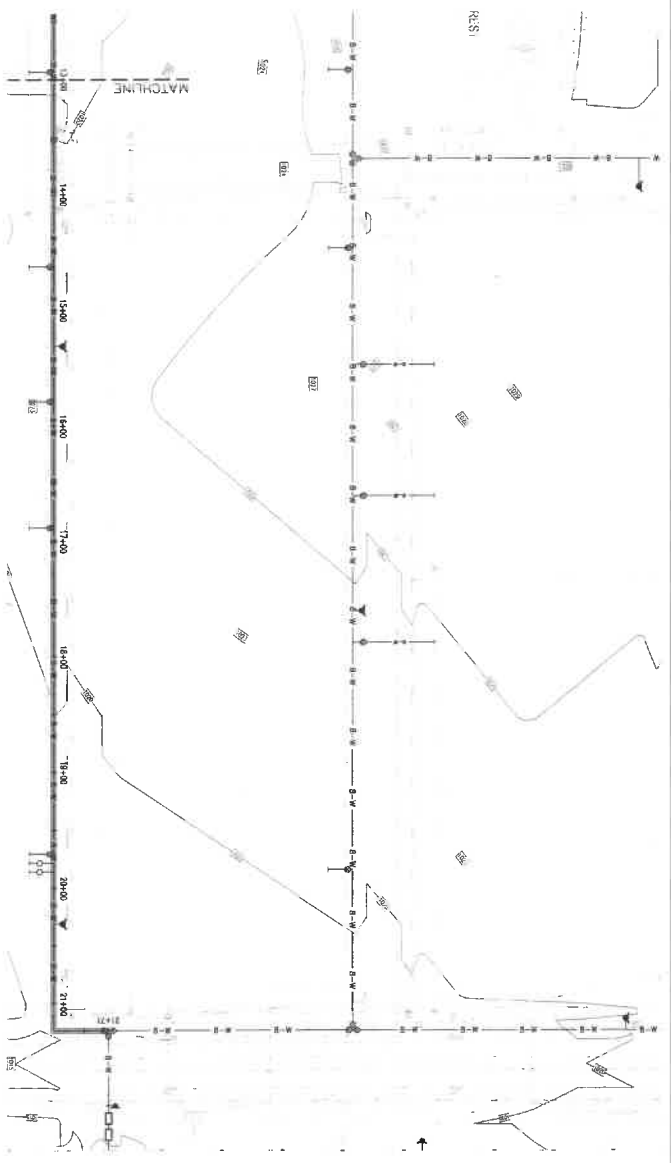
1" = 5'



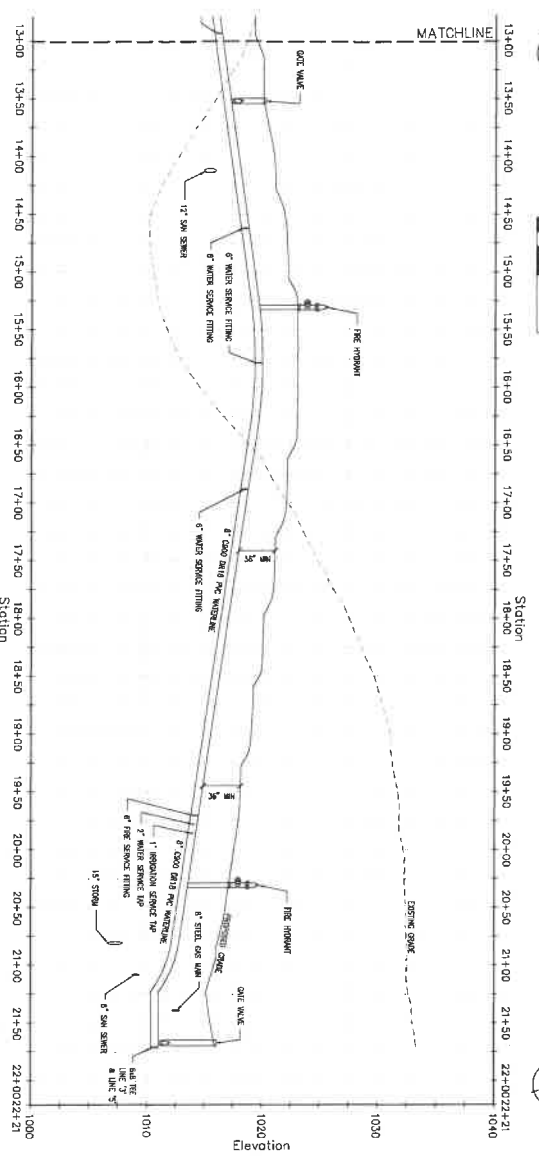
	Architect/Engineer Landmark Architecture 24053.01 24053.01 24053.01 24053.01	WATER PLAN AND PROFILES - LINE '1' STONEDALE - SITE DEVELOPMENT 4610 NICHOLASVILLE RD (US-27) NICHOLASVILLE, KENTUCKY	
	Project Number 24053.01 Date 03/20/2018 Drawn by Checked by Date 03/21/2018 Title WATER PLAN AND PROFILES - LINE '1' Scale 1" = 5'		



	<p>WATER PLAN AND PROFILES - LINE 2'</p> <p>STONEDALE - SITE DEVELOPMENT</p> <p>4610 NICHOLASVILLE RD (US-27)</p> <p>NICHOLASVILLE, KENTUCKY</p>	<p>CMW</p> <p>Professional Civil Engineering 2700 East Main Street Nicholasville, KY 40301 Phone: (606) 254-4421 Fax: (606) 254-4422</p>
<p>C-501</p>	<p>Prepared For: UNIVERSITY OF KY CONSTRUCTION</p> <p>Scale: AS SHOWN</p> <p>Drawn By: JANUARY 2018</p> <p>Checked By: MR</p> <p>Approved: DATE: 1/11/2018</p> <p>TITLE: Water</p> <p>DATE: DATE</p> <p>SCALE: DATE</p>	<p>Project Number: 24023101</p> <p>Drawn By: C2003 CLK</p> <p>Scale: DATE</p>



2 PLAN VIEW - WATER LINE '2'



2 PROFILE VIEW - WATER LINE '2'

VERT. SCALE: 1" = 2'
HORIZ. SCALE: 1" = 2'

WATER PLAN AND PROFILES - LINE '2'
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY



Project Number	24033.01
Client Name	CMW
Drawn By	JAV/BJL
Checked By	JRS
Date	12/15/2011
Scale	AS SHOWN
Notes	Check

C-502
147024

3 PLAN VIEW - WATER LINE '3'

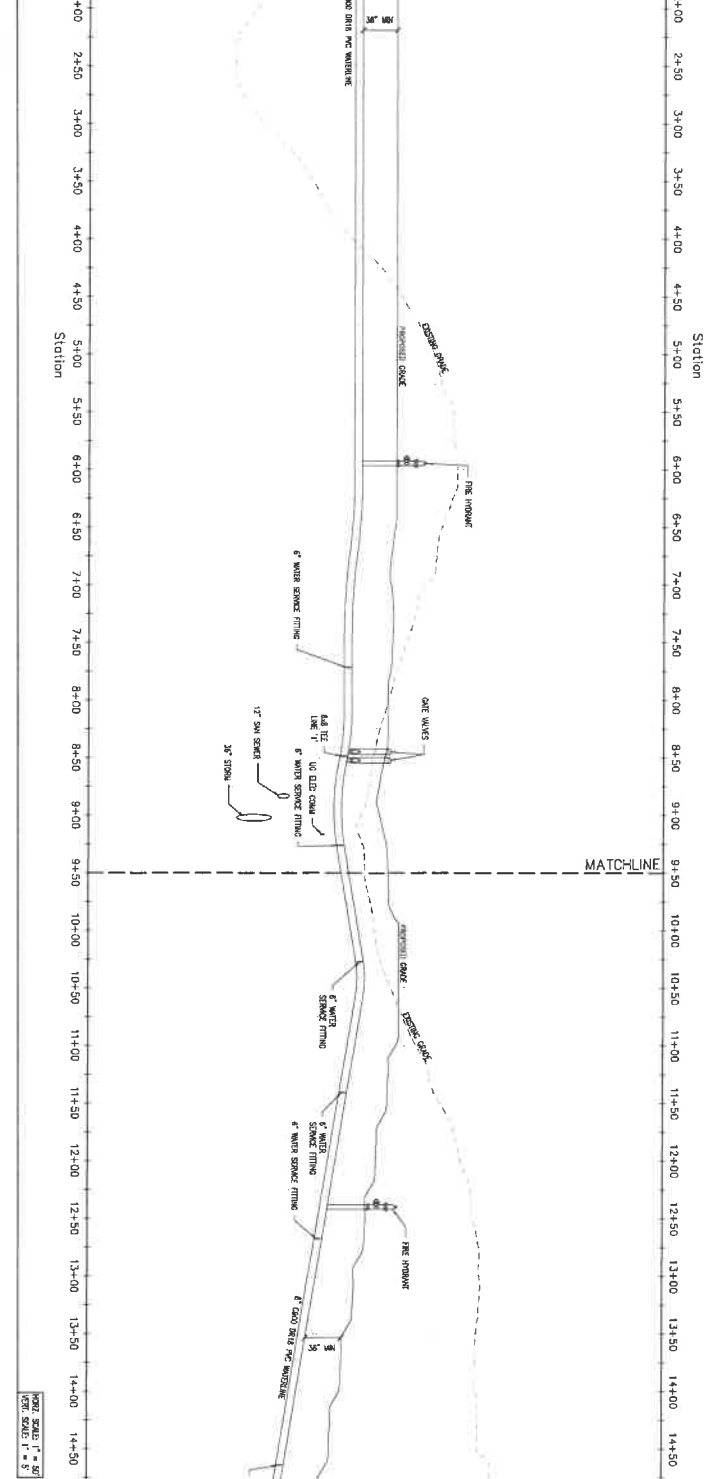
1" = 50'

0 50 100'



3 PROFILE VIEW - WATER LINE '3'

1" = 50'



C-503

2605301

DATE	DESCRIPTION

WATER PLAN AND PROFILES - LINE '3'

STONEDALE - SITE DEVELOPMENT

4610 NICHOLASVILLE RD (US-27)
NICHOLASVILLE, KENTUCKY

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: JANUARY 2009



CMW

CMW Engineering
1000 S. W. 10th St.
Boca Raton, FL 33432
Tel: (561) 995-4000
Fax: (561) 995-4001
www.cmw-engineering.com

5 PLAN VIEW - SANITARY SEWER LINE '5'

1" = 30'

0 30 60 90 120

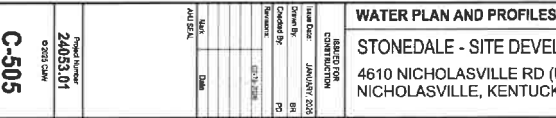


5 PROFILE VIEW - SANITARY SEWER LINE '5'

1" = 50'

0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200 1250 1300 1350 1400 1450

VERT. SCALE: 1" = 5'

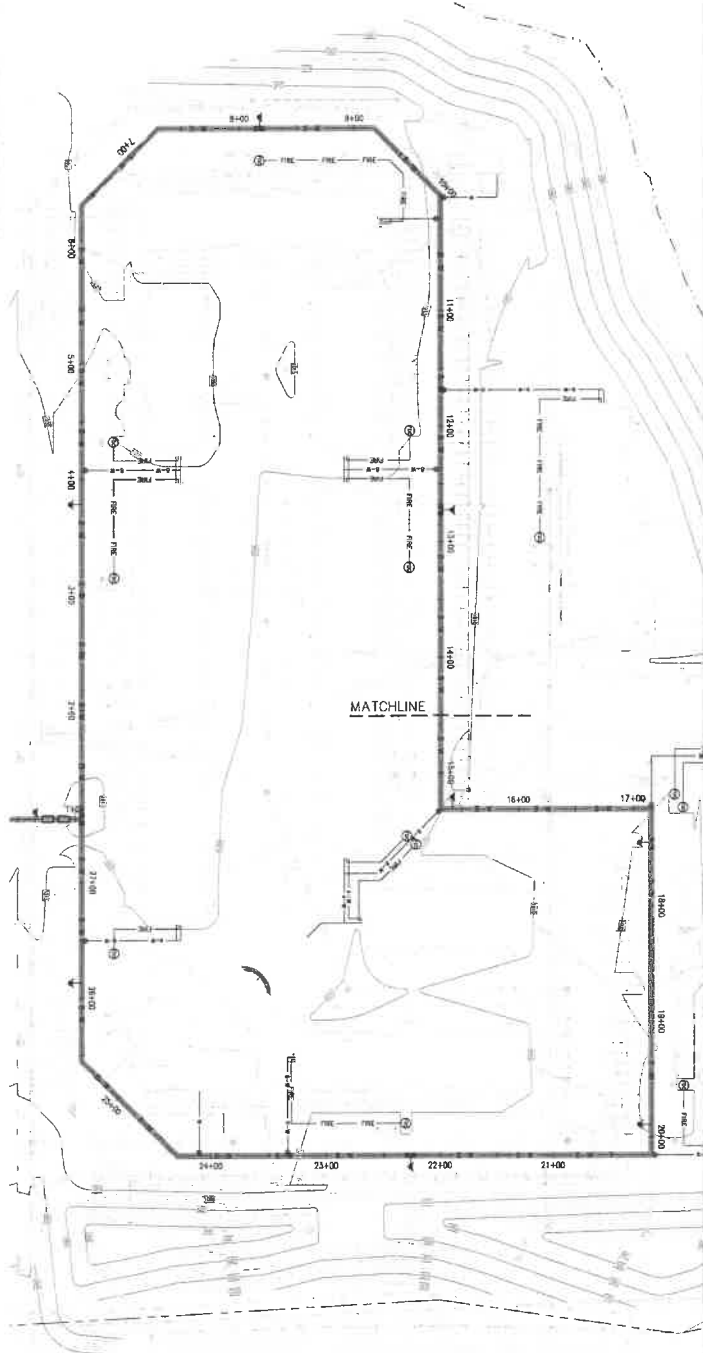


WATER PLAN AND PROFILES - LINE '5'
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

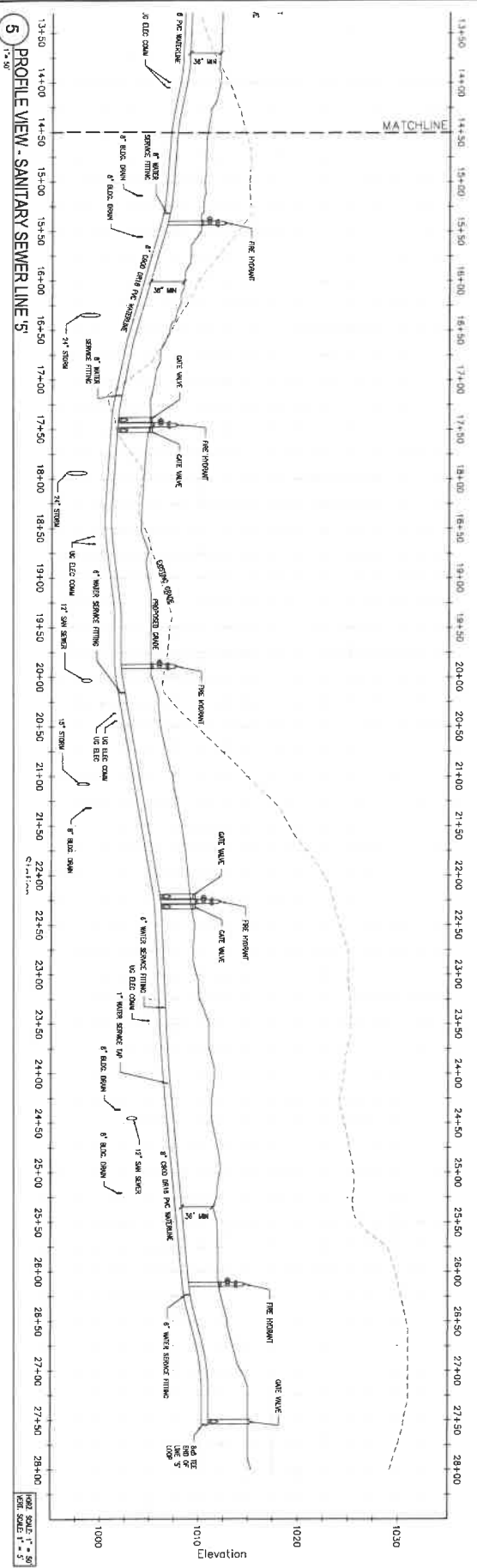


Project Number:	24053.01
Date:	02/23/25
Drawn By:	PS
Checked By:	PS
Scale:	AS SHOWN
Author:	JRS
Unit:	MM
Map Date:	

C-50S
HALLMARK

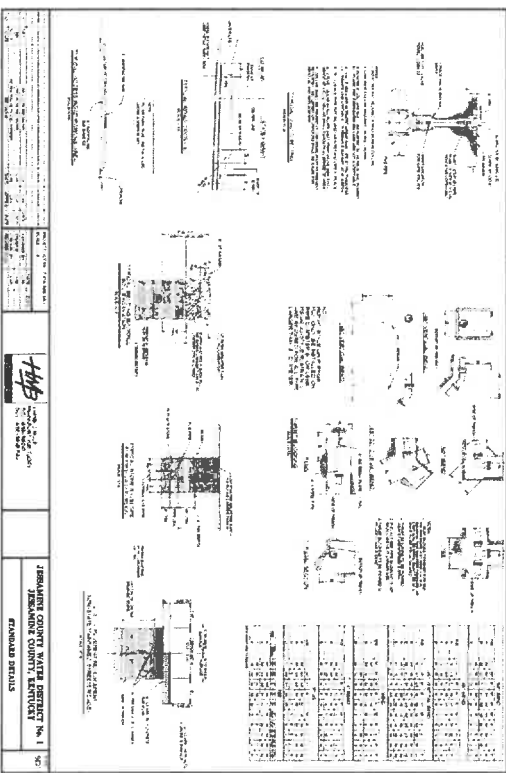


5 PLAN VIEW - SANITARY SEWER LINE 5'

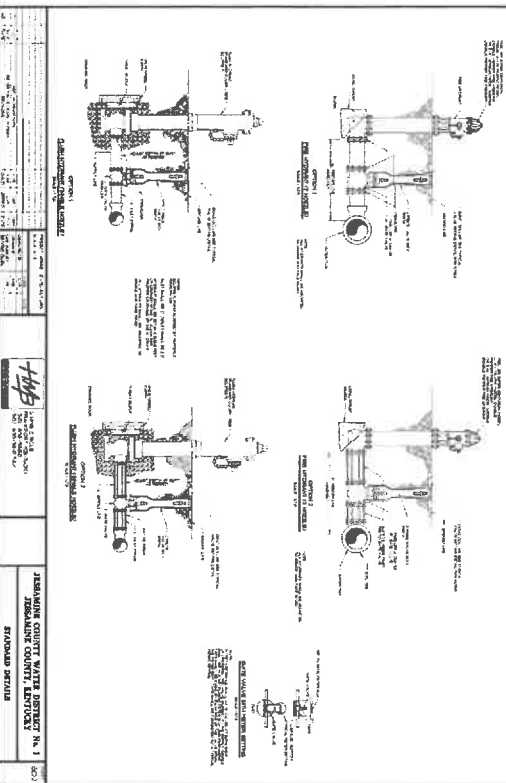


6 PROFILE VIEW - SANITARY SEWER LINE 5'

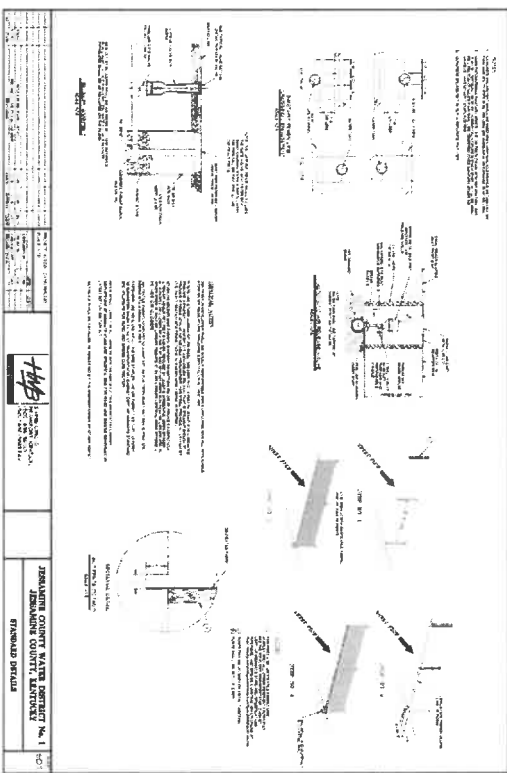
	WATER PLAN AND PROFILES - LINE 5' STONEDALE - SITE DEVELOPMENT 4610 NICHOLASVILLE RD (US-27) NICHOLASVILLE, KENTUCKY	
	Project Number: 24053.01 Drawing Title: C-506 Date: 1/23/2018 Designer: JRS Checker: ES Approver: ES	



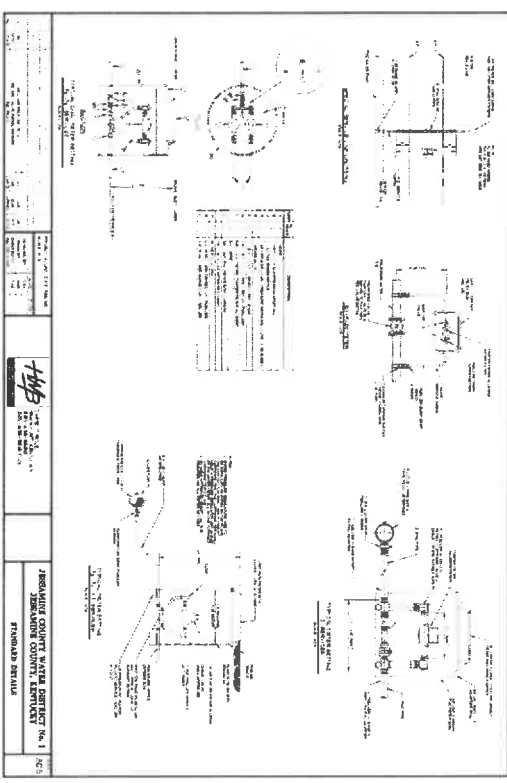
1 JCWD1 STANDARD DETAIL 1



2 JCWD1 STANDARD DETAIL 2



3 JCWD1 STANDARD DETAIL 3



5 JCWD1 STANDARD DETAIL 5



JCWD1 STANDARD DETAILS AND GENERAL NOTES
STONEDALE - SITE DEVELOPMENT
 4610 NICHOLASVILLE RD (US-27)
 NICHOLASVILLE, KENTUCKY

REVISION	DATE	BY

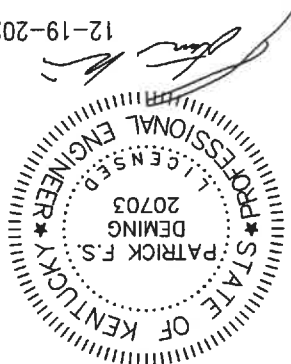
Project Number: **24053.01**
 © 2015 CMW
C-510

December 19, 2025

Kentucky Division of Water
Clean Water Collection
300 Sower Blvd, 3rd Floor
Frankfort, KY 40601

RE: StoneDale – Site Development
Sanitary Sewer Pump Station Calculations

12-19-2025



This project involves construction of a sanitary sewer pump station within the Jessamine South Elkhorn Water District (JSewD) territory.

Construction includes an 8'Ø precast concrete splitter manhole, a 12'Ø precast concrete wet well, a 12'Ø precast concrete pump station, a valve vault, and 110"± of 8" DI force main connecting to an existing 36" force main. The existing 36" force main belongs to the Lexington-Fayette Urban County Government.

The new sanitary sewer pipe system outfalls into an 8'Ø by 12'-6" deep precast concrete splitter manhole which diverts sanitary sewer flow to the wet well and pump station. This splitter manhole is fitted with a channel grinder to protect the pumps (Muffin Monster Model CMD2410-XD2.0, or approved equivalent).

The splitter manhole outfalls into a 12'Ø by 21'-6" deep precast concrete wet well and a 12'Ø by 21'-6" deep precast concrete pump station fitted with top mounted vertical vacuum-primed pumps (Smith & Lovelless model 8D4D with a 12" impeller and variable speed drive, or approved equivalent).

The pump station discharge utilizes an 8" DI force main that extends through the valve vault to a connection with the existing 36" force main.

Phase 1 construction is sized to accommodate the full build inflow from the sewershed as described herein.

PHASE 1 / STONEDALE INFLOW

Per the attached Sanitary Sewer Capacity - Determination Letter the StoneDale development is approved for an allocation of 100,212 gpd. Phase 1 Average Inflow = (100,212 gpd)(1 day/1440 min) = 69.59 gpm
The average inflow is converted to a peak inflow using a peak factor of 4.7. Phase 1 Peak Inflow = (100,212 gpd)(4.7)(1 day/1440 min) = 327 gpm.

PHASE 1 / STONEDALE EMERGENCY STORAGE

Emergency storage is equal to the volume of the 12'Ø wet well and the 12'Ø pump station between elevation 990.00 (overflow elevation of manholes) and elevation 974.50 (alarm float elevation).
Emergency Response Volume = (2)(15.5')(π)(6')² = 3,506.02 ft³ = 26,225 gal
Phase 1 Emergency Response Time = 26,225 gal / 69.59 gpm = 376.85 minutes = 6.3 hours

Architecture • Engineering • Interior Design • Landscape Architecture
a: 249 East Main Street, Suite 100, Lexington, Kentucky 40507
o: 859-254-6623 w: www.cmwaec.com

PHASE 1 / STONEDALE PUMP STATION CALCULATIONS

See the attached StoneDale KYRipe report and Smith & Loveless pump curve for more information.

Operating Volume Required = (2.5 minutes)(750 gpm) = 1,875 gal

Operating Volume Provided equals the volume of the 12' ø wet well and the 12' ø pump station between the pump off elevation (972.50) and the pump on elevation (973.61). Phase 1 Operating Volume Provided = $(2)(1.11)(\pi)(6')^2 = 251.08 \text{ ft}^3 = 1,878 \text{ gal}$

Phase 1 Pump

Smith & Loveless (S&L) Top Mounted Vertical Vacuum-Primed Pumps
 S&L model 8D4D pump running at 870 rpm with a 12" impeller
 25 HP motor at 72% Efficiency

Phase 1 Operating Conditions

- Design Capacity = 750 gpm
- Static Head = 19.5'
- Force Main = 110' of 8" DI
- C Factor = 120
- Total Dynamic Head = 27.4'

* Static head is derived from the secondary high point of the existing South Elkhorn force main downstream of the connection point. See the attached mark-up of the South Elkhorn as-built plans for more information.

FULL BUILD INFLOW

StoneDale Development	14 acres x 100 gpd/acre =	1,400 gpd
Non-Developable Land	80 acres x 2000 gpd/acre =	160,000 gpd
Developable Land		261,612 gpd
Phase 2 Average Inflow =		181.68 gpm

The average daily inflow is converted to a peak flow using a peak factor of 4.7. Full Build Inflow = $(261,612 \text{ gpd})(4.7)(1 \text{ day} / 1440 \text{ min}) = 854 \text{ gpm}$.

The average daily inflow and peak factor are based on Section 4.2 of the LFCG Sanitary Sewer Manual and the attached Sanitary Sewer Capacity - Determination Letter. See the attached Full Build - Pump Station Sewershed map for more information on the calculations above.

FULL BUILD EMERGENCY STORAGE

Emergency storage is equal to the volume of the 12' ø wet well and the 12' ø pump station between elevation 990.00 (overflow elevation of manholes) and elevation 975.50 (alarm float elevation).

Emergency Response Volume = $(2)(14.5')(\pi)(6')^2 = 3,279.82 \text{ ft}^3 = 24,533 \text{ gal}$



Full Build Emergency Response Time = 24,533 gal / 181.68 gpm = 135.03 minutes = 2.3 hours

FULL BUILD PUMP STATION CALCULATIONS

See the attached Full Build KYPipe reports and Smith & Loveless pump curve for more information.

Operating Volume Required = (2.5 minutes)(1219 gpm) = 3,048 gal

Operating Volume Provided equals the volume of the 12" wet well and the 12" pump station between the pump off elevation (972.50) and the pump on elevation (974.50). Full Build Operating Volume Provided

$$= (2)(2)(\pi)(6')^2 = 452.39 \text{ ft}^3 = 3,384 \text{ gal}$$

Full Build Pump

Smith & Loveless (S&L) Top Mounted Vertical Vacuum-Primed Pumps
 S&L model 8D4D pump running at 1170 rpm with a 12" impeller
 25 HP motor at 72% Efficiency

Full Build Operating Conditions

Design Capacity = 1220 gpm
 Static Head = 19.5'
 Force Main = 110' of 8" DI
 C Factor = 120
 Total Dynamic Head = 40'

Full Build Maximum Conditions

Maximum Capacity = 1282 gpm
 Minimum Static Head = 17.5'
 Force Main = 110' of 8" DI
 C Factor = 140
 Total Dynamic Head = 39.0'

CHECK OF THE EXISTING SOUTH ELKHORN FORCE MAIN

Since we are connecting to the existing South Elkhorn 36" force main, a hydraulic model of this existing force main was created to check its effect on the new pump station. We used the as-built plans of the existing South Elkhorn pump station and force main to create the hydraulic model, calibrated the hydraulic model to flow close to 19,000± gpm with all six (6) existing pumps running simultaneously, then connected the new pump station into the hydraulic model with the following results.

New pump station operating conditions with South Elkhorn pumps on = 1147 gpm @ 41.1' tdh

From review of the hydraulic model, it appears the extreme conditions of all six (6) existing South Elkhorn pumps running simultaneously have minor effect on the operating conditions of the new pump station. See the attached South Elkhorn KYPipe reports for more information.



September 26, 2025

Richard Decker
802 S Main Street
Nicholasville, KY 40356

Re: Sanitary Sewer Capacity - Determination Letter
4610 Nicholasville Road

Dear Richard Decker:

The capacity request for the referenced development meets the technical requirements to be approved for a permanent allocation of 100,211.35 gallons per day (gpd) of sewer capacity credits.

In order for the Division of Water Quality to reserve the Sanitary Sewer Capacity for your request, you are required to pay your non-refundable CAP Administration Fee within 30 days and your Permanent Allocation Fee within 90 days.

\$450.00 CAP Administration Fee PAID
\$813,079.06 TAP ON FEE for Lot 1 & 2

The Permanent Allocation Fee is equal to 25 percent of the estimated tap-on fee (or exaction fee) and will be credited toward the full tap-on/exaction fee. Tap-on fees are subject to annual increase as outlined in Chapter 16 (Article VI, Section 16-57.1) of the LFUCG Code of Ordinances. The Permanent Allocation Fee will be assessed based on tap-on fee rate in effect on the date of this letter. The full tap-on fee will be assessed based on the tap-on fee rate effective at the time of issuance of the tap permit.

Any failure to pay these fees within the specified schedule above shall result in forfeiture of your Sanitary Sewer Capacity. This letter is not approval of Sanitary Sewer Capacity, it is simply a statement of what must be done in order to reserve/allocate capacity for the referenced property/development.

If you have any questions regarding the content of this letter, please contact me at (859) 425-2506 or by email at rhighland@lexingtonky.gov.

Sincerely,





Rebecca Highland, Project Manager
LFUCG Division of Water Quality

cc: Tap Desk - Division of Water Quality

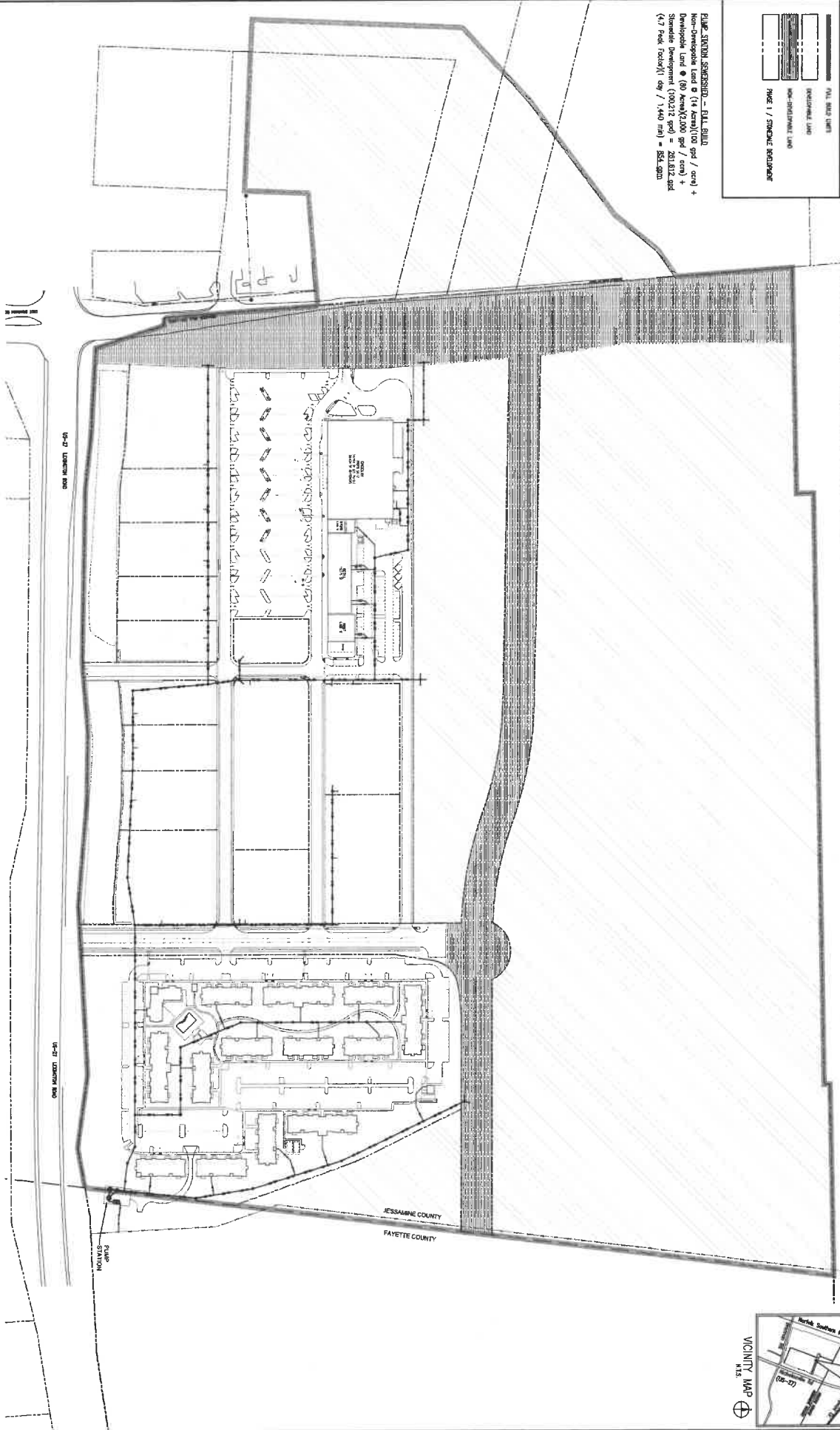
Reference: REQ0001747



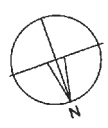
LEGEND

-  FULL LAND LIMIT
-  INDUSTRIAL LAND
-  NON-INDUSTRIAL LAND
-  RANGE 1 / SPECIFIC REQUIREMENT

PUMP STATION SEWERSHED - FULL BUILD
 Non-developable land (14,450 sq ft / acre) +
 Developable land (14,450 sq ft / acre) =
 28,900 sq ft (0.662 acre) @ 2018.02.04
 Stonedale Pump Station (0.662 acre) @ 2018.02.04
 (47 Feet Footc) (sq / 1,440 sq) = 331.25 sq



STONEDALE PUMP STATION SEWERSHED - FULL BUILD

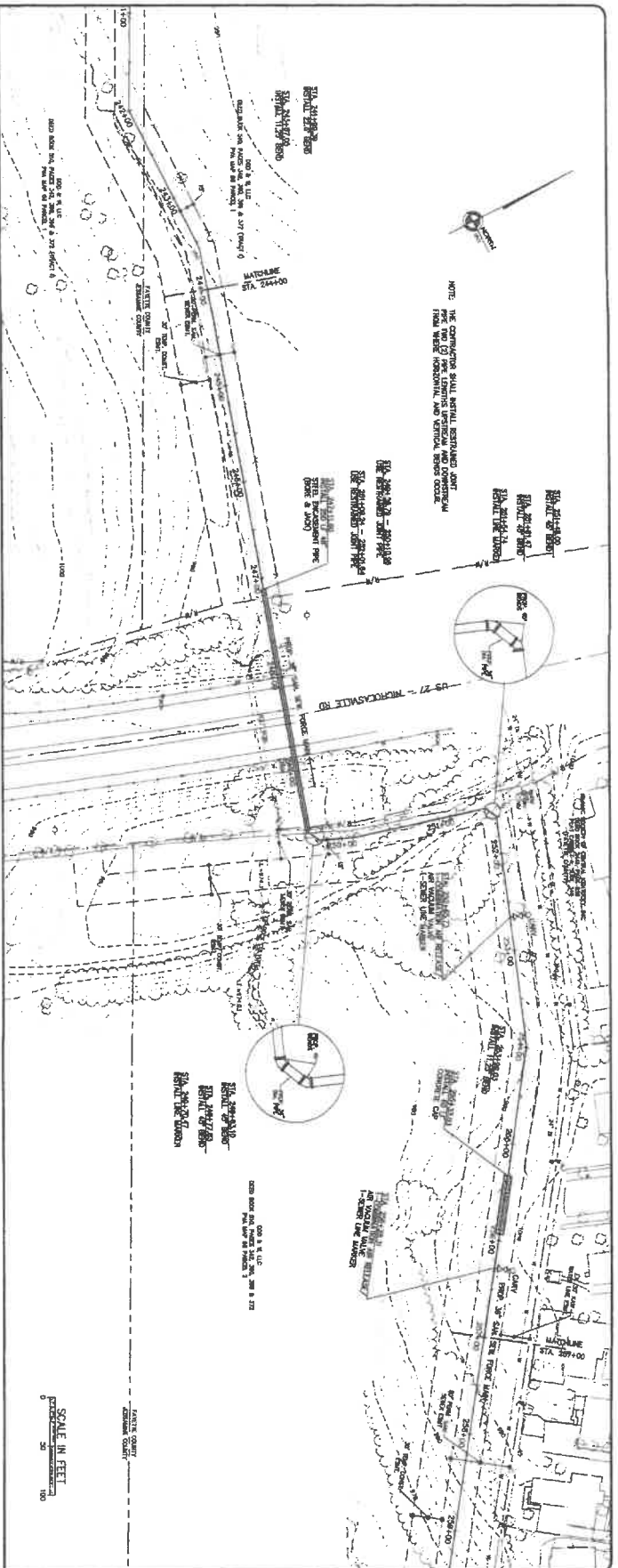
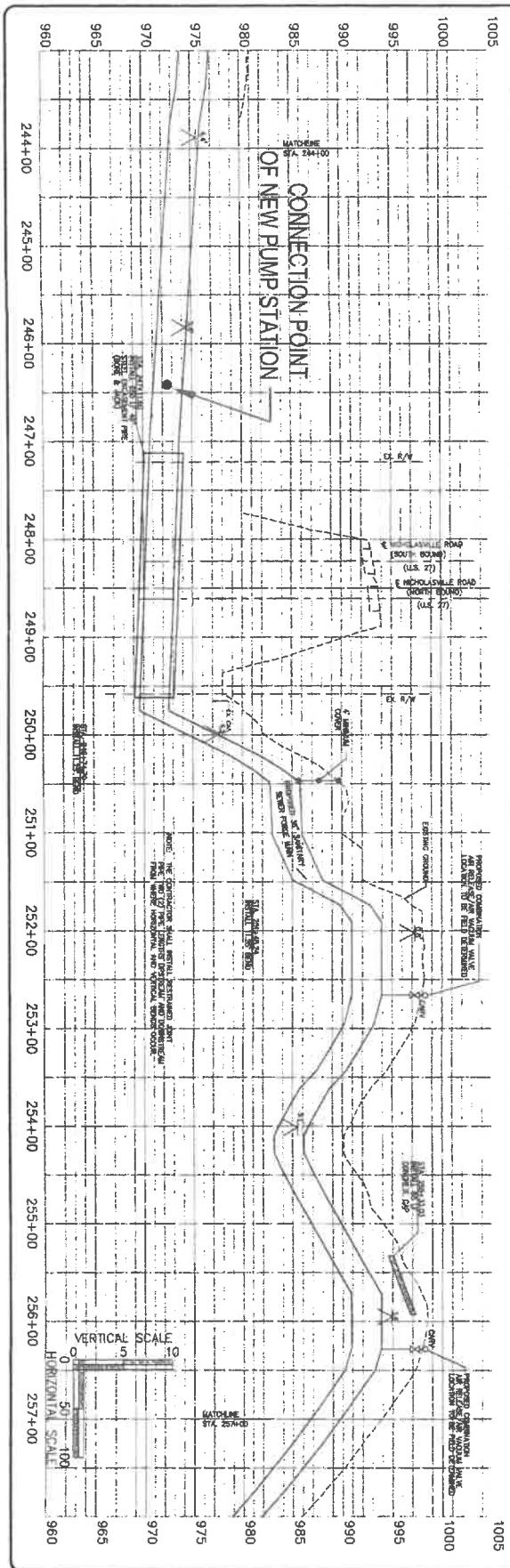


15-27 / LINDSEY ROAD
 MONROEVILLE, WESMORE COUNTY, KENTUCKY

CMW
 Architecture
 Engineering
 Landscape Architecture

241 East Main Street
 Lexington, KY 40502
 (606) 254-6123
 www.cmw.com

Plot Size: 11' x 17' 1/2" (18" x 28")

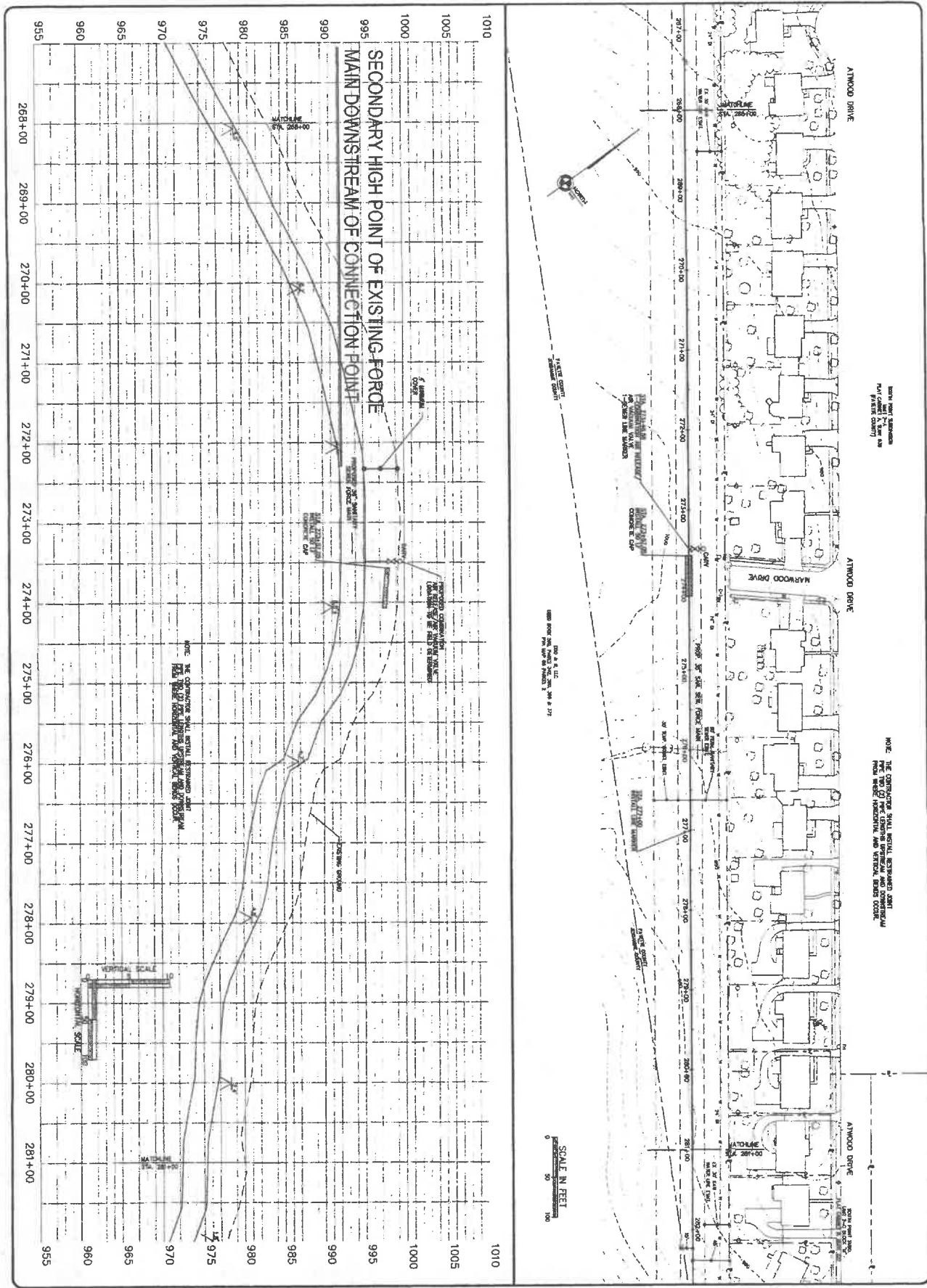


PLAN AND PROFILE
STA. 244+00 TO STA. 257+00
 CONTRACT NO. 2 SOUTH ELKHORN FORCE MAIN
 LEWINGTON, FAYETTE COUNTY, KENTUCKY

SCALE	AS SHOWN	REVISION	BY	DATE
DESIGNED BY	DCM			
DRAWN BY	DCM			
CHECKED BY	DCM			
PROJECT NO.	2004-0094			
DATE	MAY 2008			
CAUD DWG ID	0408-SHEET-021			

3363 Beaver Place Lexington KY 40509 | 606.384.7828 | 606.384.7801

SHEET NUMBER
21
 00547



NOTE: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONFORMITY FROM THESE VERTICAL AND HORIZONTAL STATION COORDINATES.

NOTE: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONFORMITY FROM THESE VERTICAL AND HORIZONTAL STATION COORDINATES.

100 S. & S. LLC
 1000 8000 W. LINDSAY BLVD. SUITE 272
 LEXINGTON, KY 40504

SHEET NUMBER
238

PLAN AND PROFILE
 STA. 268+00 TO STA. 281+00
 CONTRACT NO. 2 SOUTH ELKHORN FORCE MAIN
 LEXINGTON, KENTUCKY



NO.	DESCRIPTION	DATE
1	AS SHOWN	
2	REVISION	
3	BY	
4	DATE	

SCALE: 1" = 40'

DESIGNED BY: SMH
 CHECKED BY: DCM
 PROJECT NO.: 2004-0001
 DATE: MAY 2009
 CADD DWG ID.: 04084-SHEET-033

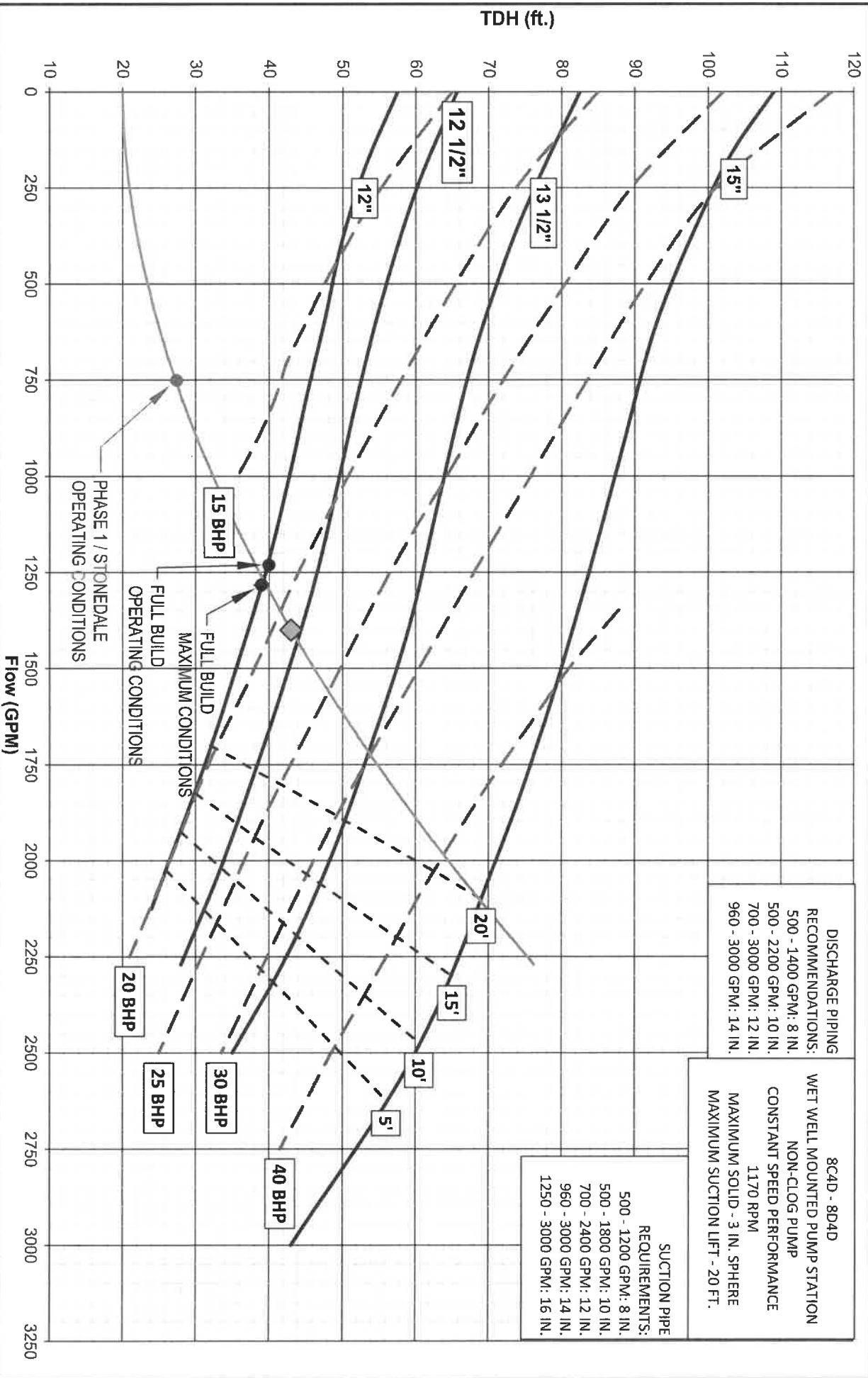


005478

Pump Curve



Smith & Lovelless Inc.



***** K Y P I P E *****
 Pipe Network Modeling Software
 Copyrighted by KYPIPE INC (www.kypipe.com)
 Version: 12.009b 03-25-2024
 Company: CHM/ Inc/ Serial #: 592257
 Interface: Classic
 Licensed for Pipe2024

Date & Time: Thu Dec 04 14:30:53 2025

Master File : G:\kupa_stonedale\24053.01\02.dwg\01.civ\calca\sanitary sewer\pump station\kypipe\pump_calca_stonedale_operating point.rtf\pump_calca_stonedale_operating point.r2k

 SUMMARY OF ORIGINAL DATA

UNITS SPECIFIED

FLOWRATE = gallons/minute
 HEAD (HGL) = feet
 PRESSURE = psig

PIPELINE DATA

STATUS CODE: XX - CLOSED PIPE CV - CHECK VALVE

PIPE NAME	PIPE #1	PIPE #2	LENGTH (ft)	DIAMETER (in)	ROUGHNESS COEFF.	LOSS COEFF.	MINOR LOSS
P-5	J-9	R-1	2625.00	36.00	90.0000		0.00
P-17	J-11	J-5	108.00	18.33	120.0000		7.70
P-18	J-1	J-11	52.00	8.33	120.0000		12.86

NODE DATA

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	JUNCTION ELEVATION (ft)	EXTERNAL GRADE (ft)
J-1	New Pump	750.00	972.50	
J-9	TAP	0.00	972.00	
J-11	Vault	0.00	986.00	
R-1	RP(2)		952.00	952.00

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT
 MAXIMUM AND MINIMUM PRESSURES = 2
 MAXIMUM AND MINIMUM VELOCITIES = 2
 MAXIMUM AND MINIMUM HEAD LOSS/1000 = 2

SYSTEM CONFIGURATION

NUMBER OF PIPES (P) = 3
 NUMBER OF END NODES (O) = 3
 NUMBER OF PRIMARY JOBS (L) = 0
 NUMBER OF SUPPLY NODES (S) = 1
 NUMBER OF SUPPLY ZONES (Z) = 1

Case: 0

RESULTS OBTAINED AFTER 3 TRIALS: ACCURACY = 0.00000E+00

SIMULATION DESCRIPTION (TABLE 1)

PIPELINE RESULTS

STATUS CODE: XX-CLOSED PIPE CY-CHECK VALVE

PIPE NAME	NODE #1	NODE #2	FLOWRATE gpm	HEAD LOSS		LINE VELO.		HI-H/L/1000	BL/1000
				ft	ft	ft/s	ft/s		
P-5	R-1	J-9	750.00	0.04	0.00	0.24	0.01	0.01	0.01
P-17	J-9	J-11	750.00	1.10	2.33	4.42	31.79	10.21	10.21
P-18	J-11	J-1	750.00	0.53	3.87	4.42	84.71	10.21	10.21

NODE RESULTS

NODE NAME	NODE TITLE	EXTERNAL DEMAND gpm	HYDRAULIC GRADE		NODE ELEVATION		PRESSURE HEAD		NODE PRESSURE	
			ft	ft	ft	ft	psi	psi		
J-1	New Pump	750.00	984.12	972.50	11.62	5.04	5.04	5.04	5.04	
J-9	Tap	0.00	991.96	972.00	19.96	8.65	8.65	8.65	8.65	
J-11	Valve	0.00	988.53	986.00	2.53	1.10	1.10	1.10	1.10	
R-1	HP(2)	---	992.00	992.00	0.00	0.00	0.00	0.00	0.00	

MAXIMUM AND MINIMUM VALUES

PRESSURES

JUNCTION NUMBER	MAXIMUM PRESSURES	JUNCTION NUMBER	MINIMUM PRESSURES
J-9	8.65	J-11	1.10
J-1	5.04	J-1	5.04

VELOCITIES

PIPE NUMBER	MAXIMUM VELOCITY (ft/s)	PIPE NUMBER	MINIMUM VELOCITY (ft/s)
P-17	4.42	P-5	0.24
P-18	4.42	P-18	4.42

HI + MI / 1000

PIPE NUMBER	MAXIMUM HI+MI/1000 (ft/ft)	PIPE NUMBER	MINIMUM HI+MI/1000 (ft/ft)
P-18	84.71	P-5	0.01
P-17	31.79	P-17	31.79

HI / 1000

PIPE NUMBER	MAXIMUM HI/1000 (ft/ft)	PIPE NUMBER	MINIMUM HI/1000 (ft/ft)
P-17	10.21	P-5	0.01
P-18	10.21	P-18	10.21

S U M M A R Y O F I N F L O W S A N D O U T F L O W S

(+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
(-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

NODE NAME	FLOWRATE gpm	NODE TITLE
R-1	750.00	RP(2)

NET SYSTEM INFLOW = 750.00
NET SYSTEM OUTFLOW = 0.00
NET SYSTEM DEMAND = 750.00

**** HYDRAULIC ANALYSIS COMPLETED ****

* * * * * K Y P I P E * * * * *
 * * * * *
 * Pipe Network Modeling Software * * * * *
 * * * * *
 * Copyrighted by KYPipe Inc. (www.kypipe.com) * * * * *
 * Version: 12.009b 03-25-2024 * * * * *
 * Company: KHM/ Inc/ Serial #: 592257 * * * * *
 * Interface: Classic * * * * *
 * Licensed for Pipe2024 * * * * *
 * * * * *

Date & Time: Thu Dec 04 14:46:23 2025

Master File : I:\yuga.stenedale\24043_01\02.dwg\01.civil\calcs\sanitary sewer\pump station\kypipe\pump calcs_full build operating point.kyp\pump calcs_full build operating point.rpk

 SUMMARY OF ORIGINAL DATA

UNITS SPECIFIED

FLOWRATE = gallons/minute
 HEAD (HGL) = feet
 PRESSURE = psig

PIPELINE DATA

STATUS CODE:	XX -CLOSED PIPE	CV -CHECK VALUE					
PIPE NAME	NODE #1	NODE #2	LENGTH (ft)	DIAMETER (in)	ROUGHNESS COEFF.	LOSS COEFF.	MINOR LOSS COEFF.
P-5	J-5	R-1	2625.00	36.00	90.0000		0.00
P-17	J-11	J-5	198.00	8.33	120.0000		7.70
P-18	O-Pump-7	J-11	52.00	8.33	120.0000		12.80

PUMP/ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-7 DESCRIBED BY THE FOLLOWING DATA: (ID= 3)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENCY (%)
57.50	0.00	75.00 (default)
54.00	150.00	75.00 (default)
50.00	315.00	75.00 (default)
40.00	1220.00	75.00 (default)
32.00	1750.00	75.00 (default)

NODE DATA

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	JUNCTION ELEVATION (ft)	EXTERNAL GRADE (ft)
J-9	TAP	0.00	572.00	
J-11	VAULT	0.00	986.00	952.00
R-1	HP(2)	---	992.00	
O-Pump-7	New Pump	---	972.50	972.50

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

MAXIMUM AND MINIMUM PRESSURES = 2
 MAXIMUM AND MINIMUM VELOCITIES = 2
 MAXIMUM AND MINIMUM HEAD LOSSES/1000 = 2

SYSTEM CONFIGURATION

NUMBER OF PIPES (P) = 3
 NUMBER OF END NODES (U) = 2
 NUMBER OF PRIMARY JOBS (L) = 0
 NUMBER OF SUPPLY NODES (E) = 2
 NUMBER OF SUPPLY ZONES (Z) = 1

Case: 0

RESULTS OBTAINED AFTER 6 TRIALS; ACCURACY = 0.24574E-06

SIMULATION DESCRIPTION (TABLE I)

PIPELINE RESULTS

STATUS CODE: XX - CLOSED PIPE CV - CHECK VALVE

PIPE NAME	NODE NUMBERS	FLOWRATE	HEAD LOSS	HEAD MINOR LOSS	LINE VELO.	HL-ML/1000	HL/1000
P-5	J-9 R-1	1215.37	0.09	0.00	0.38	0.03	0.03
P-17	J-11 J-9	1215.37	2.71	6.16	7.18	82.16	25.12
P-18	O-Pump-7 J-11	1215.37	1.31	10.24	7.18	222.04	25.12

PUMPS/ELEMENT RESULTS

PUMP NAME	FLOWRATE	INLET HEAD	OUTLET HEAD	PUMP HEAD	EFFIC-ENCY	USEFUL POWER	INCREMENTAL COST	TOTAL COST	#PUMPS PARALLEL	#PUMPS SERIES	NSPR Avail.	Case
Pump-7	1215.37	0.00	40.01	40.0	75.00	12.	0.6	0.6	1	1	33.2	0.0000

NODE RESULTS

NODE NAME	NODE TITLE	EXTERNAL DEMAND	HYDRAULIC GRADE	ELEVATION	NODE PRESSURE	NODE PRESSURE
J-5	TAP	0.00	592.09	572.00	20.09	8.71
J-11	Valve	0.00	1000.56	986.00	14.56	6.46
R-1	HP(2)	---	952.00	952.00	0.00	0.00
O-Pump-7	New Pump	---	1012.51	972.50	40.01	17.34

MAXIMUM AND MINIMUM VALUES

PRESSURES

JUNCTION NUMBER	MAXIMUM PRESSURES	JUNCTION NUMBER	MINIMUM PRESSURES
O-Pump-7	17.34	J-11	6.48
J-5	8.71	J-9	8.71

VELOCITIES

PIPE NUMBER	MAXIMUM VELOCITY (ft/s)	PIPE NUMBER	MINIMUM VELOCITY (ft/s)
P-17	7.18	P-9	0.38
P-18	7.18	P-18	7.18

H L + M L / 1 0 0 0

PIPE NUMBER	MAXIMUM HL+ML/1000 (ft/ft)	PIPE NUMBER	MINIMUM HL+ML/1000 (ft/ft)
P-18	232.04	P-9	0.03
P-17	82.16	P-17	82.16

H L / 1 0 0 0

PIPE NUMBER	MAXIMUM HL/1000 (ft/ft)	PIPE NUMBER	MINIMUM HL/1000 (ft/ft)
P-17	25.12	P-5	0.03
P-18	25.12	P-18	25.12

SUMMARY OF INFLOWS AND OUTFLOWS

(+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
 (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

NODE NAME	FLOWRATE gpm	NODE TITLE
Pump-7	1219.37	New Pump
R-1	-1219.37	HR(2)

NEW SYSTEM INFLOW = 1219.37
 NEW SYSTEM OUTFLOW = -1219.37
 NEW SYSTEM DEMAND = 0.00
 TOTAL Power Cost

 TOTAL POWER COST (\$) FOR THIS SIMULATION = 0.61

***** HYDRAULIC ANALYSIS COMPLETED *****

Copyrighted by KYPipe LLC (www.kypipe.com)
 Version: 12.009b 03-25-2024
 Company: CSM/ Inc/ Serial #: 592257
 Interface: Classic
 Licensed for pipe2024

Date & Time: Thu Dec 04 14:50:55 2023

Master File : g:\Inqua stonedale\240531.01\02 dwg\01 civ\locat\sanitary sewer\pump station\kypipe\pump calcs_full build maximum capacity.kyp\pump calcs_full build maximum capacity.pzk

 SUMMARY OF ORIGINAL DATA

UNITS SPECIFIED

FLOWRATE = gallons/minute
 HEAD (HGL) = feet
 PRESSURE = psig

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

PIPE NAME	NODE #1	NODE #2	LENGTH (ft)	DIAMETER (in)	ROUGHNESS COEFF.	LOSS COEFF.	MINOR LOSS COEFF.
P-9	J-5	R-1	2625.00	36.00	90.0000	0.00	
P-17	J-11	J-5	108.00	8.33	140.0000	7.70	
P-18	O-Pump-7	J-11	52.00	8.33	140.0000	12.80	

PUMPS/ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-7 DESCRIBED BY THE FOLLOWING DATA: (ID= 3)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENCY (%)
57.50	0.00	75.00 (Default)
54.00	150.00	75.00 (Default)
50.00	375.00	75.00 (Default)
40.00	1220.00	75.00 (Default)
32.00	1700.00	75.00 (Default)

NODE DATA

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	FUNCTION ELEVATION (ft)	EXTERNAL GRADE (ft)
J-9	TAP	0.00	972.00	
J-11	Valve	0.00	986.00	
R-1	RP(2)		992.00	992.00
O-Pump-7	New Pump		974.50	974.50

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

MAXIMUM AND MINIMUM PRESSURES = 2
 MAXIMUM AND MINIMUM VELOCITIES = 2
 MAXIMUM AND MINIMUM HEAD LOSS/1000 = 2

SYSTEM CONFIGURATION

NUMBER OF PIPES(P) = 3
 NUMBER OF END NODES(E) = 2
 NUMBER OF PRIMARY LOSSES(L) = 10
 NUMBER OF SUPPLY NODES(S) = 2
 NUMBER OF SUPPLY ZONES(Z) = 1

Case: 0

RESULTS OBTAINED AFTER 6 ITERATIONS: ACCURACY = 0.166582E-07

SIMULATION DESCRIPTION (TABLED)

PIPELINE RESULTS

STATUS CODE: XX - CLOSED PIPE CV - CHECK VALVE

PIPE NAME	NODE NUMBERS	FLOWRATE	HEAD LOSS	MINOR HEAD LOSS	LINE VELO.	HP-ML/1000	HL/1000
	#1	#2	ft	ft	ft/s	ft/ft	ft/ft
P-5	J-5	R-1	1281.78	0.10	0.50	0.40	0.04
P-17	J-11	J-5	1281.78	2.24	6.81	83.74	20.71
P-18	O-Pump-7	J-11	1281.78	1.08	11.31	7.55	238.30
			gpm	ft	ft/s	ft/ft	ft/ft

PUMP/ELEMENT RESULTS

NAME	FLOWRATE	INLET HEAD	OUTLET HEAD	PUMP HEAD	EFFIC- ENCY %	USEFUL POWER HP	INCREMENTAL COST \$	TOTAL COST \$	#PUMPS	#PUMPS	#SERIES	AVAIL. FT.	Case
Pump-7	1281.78	0.00	39.03	39.10	75.00	13	0.6	0.6	1	1	1	33.2	0.0000

NODE RESULTS

NODE NAME	NODE TYPE	EXTERNAL DEMAND	HYDRAULIC GRADE	NODE ELEVATION	NODE PRESSURE	NODE PRESSURE
		gpm	ft	ft	psi	psi
J-5	TAP	0.00	992.10	972.00	20.10	8.71
J-11	Vault	0.00	1001.14	986.00	15.14	6.56
R-1	HR(2)	---	992.00	992.00	0.00	0.00
O-Pump-7	New Pump	---	1013.53	974.50	39.03	16.91

MAXIMUM AND MINIMUM VALUES

PRESSURES

JUNCTION NUMBER	MAXIMUM PRESSURES	JUNCTION NUMBER	MINIMUM PRESSURES
	psi		psi
O-Pump-7	16.91	J-11	6.56
J-5	8.71	J-5	8.71

VELOCITIES

PIPE NUMBER	MAXIMUM VELOCITY (ft/s)	PIPE NUMBER	MINIMUM VELOCITY (ft/s)
P-17	7.55	P-9	0.40
P-18	7.55	P-18	7.55

H L + M L / 1 0 0 0

PIPE NUMBER	MAXIMUM HEAD/1000 (ft/ft)	PIPE NUMBER	MINIMUM HEAD/1000 (ft/ft)
P-18	238.30	P-5	0.04
P-17	83.74	P-17	83.74

H L / 1 0 0 0

PIPE NUMBER	MAXIMUM HEAD/1000 (ft/ft)	PIPE NUMBER	MINIMUM HEAD/1000 (ft/ft)
P-17	20.71	P-9	0.04
P-18	20.71	P-18	20.71

S U M M A R Y O F I N F L O W S A N D O U T F L O W S

(+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
 (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

NODE NAME	FLOWRATE gpm	NODE NAME	FLOWRATE gpm
Pump-7	1281.78	New Pump	
P-1	-1281.78	HP(2)	

NEW SYSTEM INFLOW = 1281.78
 NEW SYSTEM OUTFLOW = -1281.78
 NEW SYSTEM DEMAND = 0.00

Total Power Cost

***** HYDRAULIC ANALYSIS COMPLETED *****

 TOTAL POWER COST (\$) FOR THIS SIMULATION = 0.63

```

***** K Y P I P E *****
* Pipe Network Modeling software
* Copyrighted by KYPipe LLC (www.kypipe.com)
* Version: 12-009b 03-25-2024
* Company: CMW/ Inc/ Serial #: 592257
* Interface: Classic
* Licensed for Pipe2024
*****

```

Date & Time: Thu Dec 04 15:01:02 2025

Master File : q:\Fuqua stonedale\24053.01\02 dwg\01 civil\calcs\sanitary sewer\pump station\kypipe\pump calcs_south elkhorn.kyp\pump calcs_south elkhorn.pk

SUMMARY OF ORIGINAL DATA

UNITS SPECIFIED

FLOWRATE = gallons/minute
HEAD (HGL) = feet
PRESSURE = psig

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

PIPE NAME	NODE NAMES #1	NODE NAMES #2	LENGTH (ft)	DIAMETER (in)	ROUGHNESS COEFF.	LOSS COEFF.	MINOR LOSS COEFF.
P-1	J-1	J-2	7.00	24.00	90.0000		0.00
P-2	J-2	J-3	7.00	24.00	90.0000		0.00
P-3	J-3	J-4	10.00	24.00	90.0000		0.00
P-4	J-4	J-5	7.00	24.00	90.0000		0.00
P-5	J-5	J-6	7.00	24.00	90.0000		0.00
P-6	J-6	J-7	82.00	24.00	90.0000		0.00
P-7	J-7	J-8	21750.00	36.00	90.0000		0.00
P-8	J-8	J-9	1950.00	36.00	90.0000		0.00
P-9	J-9	J-10	2625.00	36.00	90.0000		0.00
P-10	J-10	R-1	7450.00	36.00	90.0000		0.00
P-11	O-Pump-1	J-1	30.00	12.00	90.0000		0.00
P-12	O-Pump-2	J-2	30.00	12.00	90.0000		0.00
P-13	O-Pump-3	J-3	30.00	12.00	90.0000		0.00
P-14	O-Pump-4	J-4	30.00	12.00	90.0000		0.00
P-15	O-Pump-5	J-5	30.00	12.00	90.0000		0.00
P-16	O-Pump-6	J-6	30.00	12.00	90.0000		0.00
P-17	J-11	J-9	108.00	8.33	120.0000		7.70
P-18	O-Pump-7	J-11	52.00	8.33	120.0000		12.80

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE FOLLOWING DATA: (ID= 1) South Elkhorn

HEAD (ft)	FLOWRATE (gpm)	EFFICIENCY (%)
377.00	0.00	75.00 (Default)
322.00	1809.00	75.00 (Default)
300.00	2428.00	75.00 (Default)
265.00	3262.00	75.00 (Default)
242.00	3828.00	75.00 (Default)
220.00	4321.00	75.00 (Default)
180.00	5198.00	75.00 (Default)

THERE IS A DEVICE AT NODE Pump-2> (ID= 1)

THERE IS A DEVICE AT NODE Pump-3> (ID= 1)

THERE IS A DEVICE AT NODE Pump-4> (ID= 1)

THERE IS A DEVICE AT NODE Pump-5> (ID= 1)

THERE IS A DEVICE AT NODE Pump-6> (ID= 1)

THERE IS A DEVICE AT NODE Pump-7 DESCRIBED BY THE FOLLOWING DATA: (ID= 3)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENCY (%)
57.50	0.00	75.00 (Default)
54.00	150.00	75.00 (Default)
50.00	375.00	75.00 (Default)
40.00	1220.00	75.00 (Default)
32.00	1700.00	75.00 (Default)

N O D E D A T A

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	JUNCTION ELEVATION (ft)	EXTERNAL GRADE (ft)
J-1	12x24	0.00	881.60	
J-2	12x24	0.00	881.60	
J-3	12x24	0.00	881.60	
J-4	12x24	0.00	881.60	
J-5	12x24	0.00	881.60	
J-6	12x24	0.00	881.60	
J-7	24x36	0.00	882.50	
J-8	HP	0.00	1034.00	
J-9	Tap	0.00	972.00	
J-10	HP (2)	0.00	992.00	
J-11	Vault	0.00	986.00	
O-Pump-1			860.00	860.00
O-Pump-2			860.00	860.00
O-Pump-3			860.00	860.00
O-Pump-4			860.00	860.00
O-Pump-5			860.00	860.00
O-Pump-6			860.00	860.00
R-1	MH		934.00	534.00
O-Pump-7	New PS		972.50	972.50

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT
 MAXIMUM AND MINIMUM PRESSURES = 5
 MAXIMUM AND MINIMUM VELOCITIES = 5
 MAXIMUM AND MINIMUM HEAD LOSS/1000 = 5

SYSTEM CONFIGURATION

NUMBER OF PIPES(P) = 18
 NUMBER OF END NODES(U) = 11
 NUMBER OF PRIMARY LOOPS(L) = 0
 NUMBER OF SUPPLY NODES(E) = 8
 NUMBER OF SUPPLY ZONES(Z) = 1

Case: 0

RESULTS OBTAINED AFTER 5 TRIALS: ACCURACY = 0.22949E-04

SIMULATION DESCRIPTION (LABEL)

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

PIPE NAME	NODE #1	NODE #2	FLOWRATE gpm	HEAD LOSS		LINE VELO. ft/s	HL+ML/1000		HL/1000 ft/l
				ft	ft		ft/f	ft/l	
P-1	J-1	J-2	3137.24	0.01	0.00	2.22	1.42	1.42	
P-2	J-2	J-3	6274.71	0.04	0.00	4.45	5.14	5.14	
P-3	J-3	J-4	9413.05	0.11	0.00	6.68	10.89	10.89	
P-4	J-4	J-5	12553.99	0.13	0.00	8.50	18.57	18.57	
P-5	J-5	J-6	15698.04	0.20	0.00	11.13	28.09	28.09	
P-6	J-6	J-7	18846.80	3.23	0.00	13.37	39.41	39.41	
P-7	J-7	J-8	18846.80	118.99	0.00	5.94	5.47	5.47	
P-8	J-8	J-9	18846.80	10.67	0.00	5.47	5.47	5.47	
P-9	J-9	J-10	19994.22	16.02	0.00	6.30	6.10	6.10	
P-10	J-10	R-1	19994.22	45.47	0.00	6.30	6.10	6.10	
P-11	J-11	J-1	3137.24	1.25	0.00	8.90	41.64	41.64	
P-12	J-1	J-2	3137.48	1.25	0.00	8.90	41.64	41.64	
P-13	J-2	J-3	3138.34	1.25	0.00	8.90	41.67	41.67	
P-14	J-3	J-4	3140.94	1.25	0.00	8.91	41.73	41.73	
P-15	J-4	J-5	3144.05	1.25	0.00	8.92	41.81	41.81	
P-16	J-5	J-6	3148.75	1.26	0.00	8.93	41.92	41.92	
P-17	J-6	J-7	1147.42	2.42	5.45	6.75	72.95	22.45	
P-18	J-7	J-8	1147.42	1.17	9.07	6.75	196.81	22.45	

PUMP LOSS ELEMENT RESULTS

NAME	FLOWRATE gpm	INLET HEAD ft	OUTLET HEAD ft	PUMP HEAD ft	EFFIC- ENCY %	USEFUL POWER Hp	INCREMENTL COST \$	TOTAL COST \$	#PUMPS PARALLEL	#PUMPS SERIES	NPSH Avail. ft	Case
Pump-1	3137.24	0.00	270.12	270.1	75.00	214.	10.6	10.6	**	**	33.2	0.0000
Pump-2	3137.48	0.00	270.11	270.1	75.00	214.	10.6	10.6	**	**	33.2	0.0000
Pump-3	3138.34	0.00	270.07	270.1	75.00	214.	10.6	10.6	**	**	33.2	0.0000
Pump-4	3140.94	0.00	269.96	270.0	75.00	214.	10.6	10.6	**	**	33.2	0.0000
Pump-5	3144.05	0.00	269.84	269.8	75.00	214.	10.7	10.7	**	**	33.2	0.0000
Pump-6	3148.75	0.00	269.64	269.6	75.00	213.	10.7	10.7	**	**	33.2	0.0000
Pump-7	1147.42	0.00	41.11	41.1	75.00	12.	0.6	0.6	**	**	33.2	0.0000

N O D E R E S U L T S

NODE NAME	NODE TITLE	EXTERNAL DEMAND gpm	HYDRAULIC GRADE ft	NODE ELEVATION ft	PRESSURE HEAD ft	NODE PRESSURE psi
J-1	12x24	0.00	1128.87	881.60	247.27	107.15
J-2	12x24	0.00	1128.86	881.60	247.26	107.14
J-3	12x24	0.00	1128.82	881.60	247.22	107.13
J-4	12x24	0.00	1128.71	881.60	247.11	107.08
J-5	12x24	0.00	1128.58	881.60	246.98	107.03
J-6	12x24	0.00	1128.38	881.60	246.78	106.94
J-7	24x36	0.00	1125.15	882.50	242.65	105.15
J-8	HP	0.00	1006.16	1034.00	-27.84	-12.06
J-9	Tap	0.00	995.49	972.00	23.49	10.18
J-10	HP(2)	0.00	979.47	992.00	-12.53	-5.43
J-11	Vault	0.00	1003.37	986.00	17.37	7.53
O-Pump-1			1130.12	860.00	270.12	117.05
O-Pump-2			1130.11	860.00	270.11	117.05
O-Pump-3			1130.07	860.00	270.07	117.03
O-Pump-4			1129.96	860.00	269.96	116.98
O-Pump-5			1129.84	860.00	269.84	116.93
O-Pump-6			1129.64	860.00	269.64	116.85
R-1	MH		934.00	934.00	0.00	0.00
O-Pump-7	New ps		1013.61	972.50	41.11	17.81

M A X I M U M A N D M I N I M U M V A L U E S

P R E S S U R E S

JUNCTION NUMBER	MAXIMUM PRESSURES psi	JUNCTION NUMBER	MINIMUM PRESSURES psi
O-Pump-1	117.05	J-8	-12.06
O-Pump-2	117.05	J-10	-5.43
O-Pump-3	117.03	J-11	7.53
O-Pump-4	116.98	J-9	10.18
O-Pump-5	116.93	O-Pump-7	17.81

V E L O C I T I E S

PIPE	MAXIMUM	PIPE	MINIMUM
1162024			

NUMBER	VELOCITY (ft/s)	NUMBER	VELOCITY (ft/s)
P-6	13.37	P-1	2.22
P-5	11.13	P-2	4.45
P-16	8.93	P-7	5.94
P-15	8.92	P-8	5.94
P-14	8.91	P-9	6.30

H L + M L / 1 0 0 0

PIPE NUMBER	MAXIMUM HL+ML/1000 (ft/ft)	PIPE NUMBER	MINIMUM HL+ML/1000 (ft/ft)
P-18	196.81	P-1	1.42
P-17	72.95	P-2	5.14
P-16	41.92	P-7	5.47
P-15	41.81	P-8	5.47
P-14	41.73	P-10	6.10

H L / 1 0 0 0

PIPE NUMBER	MAXIMUM HL/1000 (ft/ft)	PIPE NUMBER	MINIMUM HL/1000 (ft/ft)
P-16	41.92	P-1	1.42
P-15	41.81	P-2	5.14
P-14	41.73	P-7	5.47
P-13	41.67	P-8	5.47
P-12	41.64	P-10	6.10

S U M M A R Y O F I N F L O W S A N D O U T F L O W S

(+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
 (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

NODE NAME	FLOWRATE gpm	NODE TITLE
Pump-1	3137.24	
Pump-2	3137.48	
Pump-3	3138.34	
Pump-4	3140.94	
Pump-5	3144.05	
Pump-6	3148.75	
Pump-7	1147.42	New ES
R-1	-19994.22	MH

NET SYSTEM INFLOW = 19994.22
 NET SYSTEM OUTFLOW = -19994.22
 NET SYSTEM DEMAND = 0.00

Total Power Cost

TOTAL POWER COST (\$) FOR THIS SIMULATION = 64.46

***** HYDRAULIC ANALYSIS COMPLETED *****

Kentucky Division of Water
Clean Water Collection
300 Sower Blvd, 3rd Floor
Frankfort, KY 40601

December 19, 2025

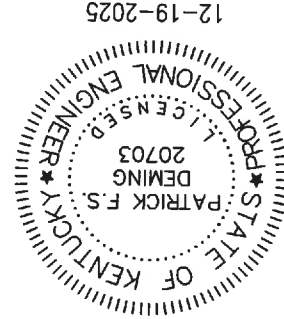


RE: StoneDale – Site Development
Sanitary Sewer Pipe Calculations

This project involves construction of 4720' of 12" PVC sanitary sewer pipe, 2269' of 8" PVC sanitary sewer pipe, and thirty-six (36) precast concrete sanitary manholes within the Jessamine South Elkhorn Water District (JSEWD) territory.

The sanitary sewer pipe system is separated into two sewersheds that enter the concurrently constructed pump station (see the attached Pump Station Report for more information of the pump calculations). The two sewersheds are referred to as Line A and Line B in these calculations. Line A enters the pump station from the west, and Line B enters from the south.

The average daily flow in gallons per day (gpd) is converted to a peak demand flow in gallons per minute (gpm) using a peak factor of 4.7 and entered into the respective manholes for analysis. Then the sanitary sewer capacity of each pipe is analyzed using the Manning's Equation. See the attached StoneDale Sanitary Sewershed Maps and Reports for more information.



A handwritten signature in black ink, appearing to read 'Patrick Deming'.

Sincerely,

Patrick Deming, PE
CMW, Inc.

249 E. Main Street, Suite 100
Lexington, KY 40507
(859) 254-6623
pdeming@cmwaeec.com

Architecture • Engineering • Interior Design • Landscape Architecture
a: 249 East Main Street, Suite 100, Lexington, Kentucky 40507
o: 859-254-6623 w: www.cmwaeec.com

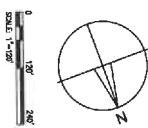


VICINITY MAP
N.T.S.



LEGEND

SEWER SHED



Architectural
Engineering
Landscape Architecture
2018 East Oak Street
Lexington, KY 40507
(606) 254-8625
www.cmwinc.com

STONEDALE SANITARY SEWER SHED
LINE A
4910 RICHMOND RD (US-27)
KNOXSHIRE, KENTUCKY

DATE: 08/14/2017 11:58 AM

 Project Description

File Name San Sewer Calcs_Line A.SPF
 Description Sanitary Sewer Analysis
 LINE A

 Analysis Options

Flow Units GPM
 Link Routing Method Hydrodynamic
 Storage Node Exfiltration.. None
 Starting Date DEC-19-2025 00:00:00
 Ending Date DEC-19-2025 02:00:00
 Report Time Step 00:05:00

 Node Summary

Node ID	Element Type	Invert Elevation ft	Maximum Elev. ft	Ponded Area ft ²	External Inflow
MH02	JUNCTION	981.17	990.00	0.00	Yes
MH1A	JUNCTION	981.67	990.00	0.00	Yes
MH2A	JUNCTION	982.42	990.00	0.00	Yes
MH3A	JUNCTION	983.50	990.00	0.00	Yes
MH01	OUTFALL	980.65	981.65	0.00	Yes

 Link Summary

Link ID	From Node	To Node	Element Type	Length ft	Slope %	Manning's Roughness
P01	MH02	MH01	CONDUIT	204.4	0.2544	0.0130
P02	MH1A	MH02	CONDUIT	160.0	0.2500	0.0130
P03	MH2A	MH1A	CONDUIT	260.0	0.2500	0.0130
P04	MH3A	MH2A	CONDUIT	392.0	0.2500	0.0130

 Cross Section Summary

Link ID	Shape	Depth/ Diameter ft	Width ft	No. of Barrels	Cross Sectional Area ft ²	Full Flow Hydraulic Radius ft	Design Flow Capacity GPM
P01	CIRCULAR	1.00	1.00	1	0.79	0.25	806.56
P02	CIRCULAR	1.00	1.00	1	0.79	0.25	799.55
P03	CIRCULAR	1.00	1.00	1	0.79	0.25	799.55
P04	CIRCULAR	1.00	1.00	1	0.79	0.25	799.55

 Node Depth Summary

Node ID	Average Depth Attained ft	Maximum Depth Attained ft	Maximum HGL Attained ft	Time of Max Occurrence days hh:mm	Total Flooded Volume acre-in	Total Time Flooded minutes	Retention Time hh:mm:ss
MH02	0.53	0.56	981.73	0 00:13	0	0	0:00:00
MH1A	0.54	0.56	982.23	0 00:12	0	0	0:00:00
MH2A	0.54	0.56	982.98	0 00:10	0	0	0:00:00
MH3A	0.52	0.54	984.04	0 00:07	0	0	0:00:00
MH01	0.51	0.53	981.18	0 00:14	0	0	0:00:00

 Node Flow Summary

Node ID	Element Type	Maximum Lateral Inflow GPM	Peak Inflow GPM	Time of Peak Inflow Occurrence days hh:mm	Maximum Flooding Overflow GPM	Time of Flooding Occurrence days hh:mm
MH02	JUNCTION	11.50	452.96	0 00:12	0.00	
MH1A	JUNCTION	11.50	441.93	0 00:11	0.00	
MH2A	JUNCTION	28.80	431.02	0 00:09	0.00	
MH3A	JUNCTION	394.00	394.00	0 00:00	0.00	
MH01	OUTFALL	0.00	450.11	0 00:14	0.00	

 Link Flow Summary

Link ID	Element Type	Time of Peak Flow Occurrence days hh:mm	Maximum Velocity Attained ft/sec	Length Factor	Peak Flow during Analysis GPM	Design Flow Capacity GPM	Ratio of Maximum /Design Flow	Ratio of Maximum Flow Depth	Total Time Surcharged minutes	Reported Condition
P01	CONDUIT	0 00:14	2.29	1.00	450.11	806.56	0.56	0.55	0	Calculated
P02	CONDUIT	0 00:12	2.48	1.00	441.46	799.55	0.55	0.51	0	Calculated
P03	CONDUIT	0 00:11	2.41	1.00	430.43	799.55	0.54	0.51	0	Calculated
P04	CONDUIT	0 00:09	2.38	1.00	402.22	799.55	0.50	0.49	0	Calculated

 Highest Flow Instability Indexes

 All links are stable.

Analysis began on: Fri Dec 19 15:29:13 2025
 Analysis ended on: Fri Dec 19 15:29:13 2025
 Total elapsed time: < 1 sec

 Project Description

 File Name San Sewer Calcs_Line B.SPF
 Description Sanitary Sewer Analysis
 LINE B

 Analysis Options

 Flow Units GPM
 Link Routing Method Hydrodynamic
 Storage Node Exfiltration.. None
 Starting Date DEC-19-2025 00:00:00
 Ending Date DEC-19-2025 03:00:00
 Report Time Step 00:05:00

 Node Summary

Node ID	Element Type	Invert Elevation ft	Maximum Elev. ft	Ponded Area ft ²	External Inflow
MH03	JUNCTION	989.00	999.00	0.00	
MH04	JUNCTION	995.40	1005.40	0.00	
MH05	JUNCTION	998.64	1005.14	0.00	
MH06	JUNCTION	1000.36	1007.19	0.00	
MH07	JUNCTION	1002.53	1011.45	0.00	
MH08	JUNCTION	1003.25	1008.75	0.00	
MH09	JUNCTION	1004.75	1012.75	0.00	
MH10	JUNCTION	1010.00	1018.00	0.00	
MH11	JUNCTION	1012.00	1015.75	0.00	Yes
MH12	JUNCTION	1013.95	1020.87	0.00	
MH13	JUNCTION	1015.86	1021.86	0.00	
MH14	JUNCTION	1016.61	1026.86	0.00	Yes
MH15	JUNCTION	1017.01	1026.34	0.00	Yes
MH16	JUNCTION	1017.98	1025.90	0.00	
MH17	JUNCTION	1018.32	1025.74	0.00	

```

MH18 JUNCTION 1019.34 1027.67 0.00 Yes
MH19 JUNCTION 1021.00 1029.00 0.00
MH20 JUNCTION 1027.75 1035.75 0.00 Yes
MH21 JUNCTION 1014.67 1020.34 0.00 Yes
MH22 JUNCTION 1015.73 1021.81 0.00 Yes
MH23 JUNCTION 1021.25 1029.25 0.00
MH24 JUNCTION 1019.75 1027.75 0.00 Yes
MH25 JUNCTION 1009.75 1016.75 0.00 Yes
MH26 JUNCTION 1012.03 1018.53 0.00 Yes
MH27 JUNCTION 1019.44 1026.17 0.00 Yes
MH28 JUNCTION 1016.45 1021.78 0.00 Yes
MH4A JUNCTION 1001.37 1007.04 0.00
MH5A JUNCTION 1005.45 1009.20 0.00 Yes
MH6A JUNCTION 1006.46 1011.21 0.00 Yes
MH7A JUNCTION 1007.28 1013.70 0.00 Yes
MH8A JUNCTION 1010.75 1015.75 0.00 Yes
MH#1 OUTFALL 988.65 989.65 0.00 Yes

```

Link Summary

Link ID	From Node	To Node	Element Type	Length Ft	Slope %	Manning's Roughness
P05	MH03	MH#1	CONDUIT	24.5	1.4286	0.0130
P06	MH04	MH03	CONDUIT	48.3	1.5114	0.0130
P07	MH05	MH04	CONDUIT	48.3	2.0083	0.0130
P08	MH06	MH05	CONDUIT	88.1	1.8388	0.0130
P09	MH07	MH06	CONDUIT	289.0	0.7163	0.0130
P10	MH08	MH07	CONDUIT	248.0	0.2500	0.0130
P11	MH09	MH08	CONDUIT	137.2	1.0204	0.0120
P12	MH10	MH09	CONDUIT	303.9	1.6946	0.0130
P13	MH11	MH10	CONDUIT	226.0	0.8407	0.0130
P14	MH12	MH11	CONDUIT	213.6	0.8661	0.0130
P15	MH13	MH12	CONDUIT	85.8	1.4685	0.0130
P16	MH14	MH13	CONDUIT	258.5	0.2515	0.0130
P17	MH15	MH14	CONDUIT	119.9	0.2502	0.0130
P18	MH16	MH15	CONDUIT	345.7	0.2517	0.0130
P19	MH17	MH16	CONDUIT	95.1	0.2524	0.0130
P20	MH18	MH17	CONDUIT	369.4	0.2491	0.0130
P21	MH19	MH18	CONDUIT	42.0	3.7143	0.0130
P22	MH20	MH19	CONDUIT	160.5	4.0000	0.0130
P23	MH4A	MH06	CONDUIT	128.0	0.5312	0.0130
P24	MH5A	MH4A	CONDUIT	189.3	2.1025	0.0130

P25	MH6A	MH5A	CONDUIT	181.1	0.5025	0.0130	
P26	MH7A	MH6A	CONDUIT	144.1	0.4997	0.0130	
P27	MH8A	MH7A	CONDUIT	208.0	1.6202	0.0130	
P28	MH21	MH12	CONDUIT	248.0	0.2500	0.0130	
P29	MH22	MH21	CONDUIT	383.2	0.2505	0.0130	
P30	MH23	MH22	CONDUIT	271.8	1.9095	0.0130	
P31	MH24	MH15	CONDUIT	129.1	0.5809	0.0130	
P32	MH25	MH08	CONDUIT	295.5	1.6074	0.0130	
P33	MH26	MH25	CONDUIT	260.1	0.8381	0.0130	
P34	MH27	MH26	CONDUIT	380.0	1.9237	0.0130	
P35	MH28	MH13	CONDUIT	51.0	0.5098	0.0130	

 Cross Section Summary

Link ID	Shape	Depth/ Diameter ft	Width ft	No. of Barrels	Cross Sectional Area ft ²	Full Flow Hydraulic Radius ft	Design Flow Capacity GPM
P05	CIRCULAR	1.00	1.00	1	0.79	0.25	1911.29
P06	CIRCULAR	1.00	1.00	1	0.79	0.25	1965.91
P07	CIRCULAR	1.00	1.00	1	0.79	0.25	2266.14
P08	CIRCULAR	1.00	1.00	1	0.79	0.25	2168.43
P09	CIRCULAR	1.00	1.00	1	0.79	0.25	1353.35
P10	CIRCULAR	1.00	1.00	1	0.79	0.25	799.55
P11	CIRCULAR	1.00	1.00	1	0.79	0.25	1749.94
P12	CIRCULAR	1.00	1.00	1	0.79	0.25	2081.68
P13	CIRCULAR	1.00	1.00	1	0.79	0.25	1466.21
P14	CIRCULAR	1.00	1.00	1	0.79	0.25	1488.20
P15	CIRCULAR	1.00	1.00	1	0.79	0.25	1937.83
P16	CIRCULAR	1.00	1.00	1	0.79	0.25	801.87
P17	CIRCULAR	1.00	1.00	1	0.79	0.25	799.88
P18	CIRCULAR	1.00	1.00	1	0.79	0.25	802.20
P19	CIRCULAR	1.00	1.00	1	0.79	0.25	803.32
P20	CIRCULAR	1.00	1.00	1	0.79	0.25	798.03
P21	CIRCULAR	1.00	1.00	1	0.79	0.25	3081.86
P22	CIRCULAR	0.67	0.67	1	0.35	0.17	1084.75
P23	CIRCULAR	0.67	0.67	1	0.35	0.17	395.32
P24	CIRCULAR	0.67	0.67	1	0.35	0.17	786.44
P25	CIRCULAR	0.67	0.67	1	0.35	0.17	384.47
P26	CIRCULAR	0.67	0.67	1	0.35	0.17	383.38
P27	CIRCULAR	0.67	0.67	1	0.35	0.17	690.37
P28	CIRCULAR	1.00	1.00	1	0.79	0.25	799.55

P29	CIRCULAR	1.00	1.00	1	0.79	0.25	800.38
P30	CIRCULAR	0.67	0.67	1	0.35	0.17	749.47
P31	CIRCULAR	1.00	1.00	1	0.79	0.25	1218.83
P32	CIRCULAR	0.67	0.67	1	0.35	0.17	687.65
P33	CIRCULAR	0.67	0.67	1	0.35	0.17	496.54
P34	CIRCULAR	0.67	0.67	1	0.35	0.17	752.25
P35	CIRCULAR	0.67	0.67	1	0.35	0.17	387.26

Node Depth Summary

Node ID	Average Depth		Maximum Depth		Maximum HGL	Time of Occurrence	Total Flooded Volume	Total Flooded Time	Retention Time	
	Attained	ft	Attained	ft						ft
MH03	0.43		0.45		989.45	0	02:53	0	0	0:00:00
MH04	0.39		0.41		995.81	0	02:37	0	0	0:00:00
MH05	0.36		0.38		999.02	0	02:16	0	0	0:00:00
MH06	0.36		0.37		1000.73	0	02:10	0	0	0:00:00
MH07	0.40		0.42		1002.95	0	02:06	0	0	0:00:00
MH08	0.58		0.61		1003.86	0	02:24	0	0	0:00:00
MH09	0.33		0.34		1005.09	0	02:24	0	0	0:00:00
MH10	0.31		0.32		1010.32	0	02:51	0	0	0:00:00
MH11	0.37		0.38		1012.38	0	02:03	0	0	0:00:00
MH12	0.36		0.37		1014.32	0	02:28	0	0	0:00:00
MH13	0.30		0.31		1016.17	0	02:30	0	0	0:00:00
MH14	0.51		0.52		1017.13	0	02:23	0	0	0:00:00
MH15	0.48		0.49		1017.50	0	00:16	0	0	0:00:00
MH16	0.45		0.46		1018.44	0	00:13	0	0	0:00:00
MH17	0.46		0.47		1018.79	0	00:14	0	0	0:00:00
MH18	0.47		0.47		1019.81	0	00:10	0	0	0:00:00
MH19	0.18		0.19		1021.19	0	00:02	0	0	0:00:00
MH20	0.21		0.21		1027.96	0	00:09	0	0	0:00:00
MH21	0.16		0.17		1014.84	0	02:11	0	0	0:00:00
MH22	0.15		0.16		1015.89	0	02:02	0	0	0:00:00
MH23	0.00		0.00		1021.25	0	00:00	0	0	0:00:00
MH24	0.12		0.12		1019.87	0	00:33	0	0	0:00:00
MH25	0.10		0.10		1009.85	0	02:06	0	0	0:00:00
MH26	0.09		0.09		1012.12	0	01:15	0	0	0:00:00
MH27	0.06		0.06		1019.50	0	01:13	0	0	0:00:00
MH28	0.05		0.05		1016.50	0	00:35	0	0	0:00:00

```

MH4A      0.26      0.26      1001.63      0      00:39      0      0:00:00
MH5A      0.18      0.18      1005.63      0      00:38      0      0:00:00
MH6A      0.23      0.23      1006.69      0      00:36      0      0:00:00
MH7A      0.21      0.21      1007.49      0      00:30      0      0:00:00
MH8A      0.14      0.14      1010.89      0      00:27      0      0:00:00
MH#1      0.37      0.38      989.03      0      02:53      0      0:00:00

```

```

*****
Node Flow Summary
*****

```

Node ID	Element Type	Maximum Lateral Inflow GPM	Peak Inflow GPM	Peak Inflow Occurrence days hh:mm	Time of Peak Inflow Occurrence days hh:mm	Maximum Flooding Overflow GPM	Time of Peak Flooding Occurrence days hh:mm
MH03	JUNCTION	0.00	599.40	0	02:24	0.00	
MH04	JUNCTION	0.00	599.40	0	02:10	0.00	
MH05	JUNCTION	0.00	599.40	0	02:10	0.00	
MH06	JUNCTION	0.00	599.40	0	02:10	0.00	
MH07	JUNCTION	0.00	478.40	0	02:36	0.00	
MH08	JUNCTION	0.00	478.40	0	02:05	0.00	
MH09	JUNCTION	0.00	443.80	0	02:53	0.00	
MH10	JUNCTION	0.00	443.80	0	02:24	0.00	
MH11	JUNCTION	24.20	443.80	0	02:24	0.00	
MH12	JUNCTION	0.00	419.60	0	02:30	0.00	
MH13	JUNCTION	0.00	371.30	0	02:23	0.00	
MH14	JUNCTION	15.70	369.81	0	00:16	0.00	
MH15	JUNCTION	10.40	354.52	0	00:15	0.00	
MH16	JUNCTION	0.00	308.55	0	00:14	0.00	
MH17	JUNCTION	0.00	309.55	0	00:12	0.00	
MH18	JUNCTION	89.50	311.40	0	00:02	0.00	
MH19	JUNCTION	0.00	218.50	0	00:10	0.00	
MH20	JUNCTION	218.50	218.50	0	00:00	0.00	
MH21	JUNCTION	14.40	48.30	0	02:03	0.00	
MH22	JUNCTION	33.90	33.90	0	00:00	0.00	
MH23	JUNCTION	0.00	0.00	0	00:00	0.00	
MH24	JUNCTION	33.30	33.30	0	00:00	0.00	
MH25	JUNCTION	15.70	34.60	0	01:16	0.00	
MH26	JUNCTION	6.50	18.90	0	01:14	0.00	
MH27	JUNCTION	12.40	12.40	0	00:00	0.00	
MH28	JUNCTION	3.90	3.90	0	00:00	0.00	
MH4A	JUNCTION	0.00	121.00	0	00:37	0.00	

MH5A JUNCTION 28.80 121.00 0 00:37 0.00
 MH6A JUNCTION 11.50 92.20 0 00:32 0.00
 MH7A JUNCTION 11.50 80.70 0 00:27 0.00
 MH8A JUNCTION 69.20 69.20 0 00:00 0.00
 MH#1 OUTFALL 0.00 599.40 0 02:53 0.00

 Link Flow Summary

Link ID	Element Type	Time of Peak Flow Occurrence days hh:mm	Maximum Velocity Attained ft/sec	Length Factor	Peak Flow during Analysis GPM	Design Flow Capacity GPM	Ratio of Maximum Flow / Design Flow	Ratio of Maximum Flow Depth	Total Time Surcharged minutes	Reported Condition
P05	CONDUIT	0 02:53	4.28	1.00	599.40	1911.29	0.31	0.42	0	Calculated
P06	CONDUIT	0 02:24	4.66	1.00	599.40	1965.91	0.30	0.39	0	Calculated
P07	CONDUIT	0 02:10	5.18	1.00	599.40	2266.14	0.26	0.36	0	Calculated
P08	CONDUIT	0 02:10	5.11	1.00	599.40	2168.43	0.28	0.37	0	Calculated
P09	CONDUIT	0 02:46	3.47	1.00	478.40	1353.35	0.35	0.41	0	Calculated
P10	CONDUIT	0 02:36	2.59	1.00	478.40	799.55	0.60	0.52	0	Calculated
P11	CONDUIT	0 02:04	3.47	1.00	443.80	1749.94	0.25	0.42	0	Calculated
P12	CONDUIT	0 02:53	4.66	1.00	443.80	2081.68	0.21	0.32	0	Calculated
P13	CONDUIT	0 02:24	3.60	1.00	443.80	1466.21	0.30	0.38	0	Calculated
P14	CONDUIT	0 02:24	3.56	1.00	419.60	1488.20	0.28	0.37	0	Calculated
P15	CONDUIT	0 02:23	4.11	1.00	371.30	1937.83	0.19	0.30	0	Calculated
P16	CONDUIT	0 02:23	2.40	1.00	367.40	801.87	0.46	0.45	0	Calculated
P17	CONDUIT	0 00:16	2.36	1.00	354.11	799.88	0.44	0.45	0	Calculated
P18	CONDUIT	0 00:15	2.20	1.00	310.82	802.20	0.39	0.43	0	Calculated
P19	CONDUIT	0 00:14	2.27	1.00	308.55	803.32	0.38	0.41	0	Calculated
P20	CONDUIT	0 00:14	2.23	1.00	309.55	798.03	0.39	0.42	0	Calculated
P21	CONDUIT	0 00:02	4.84	1.00	221.90	3081.86	0.07	0.28	0	Calculated
P22	CONDUIT	0 00:10	5.35	1.00	218.50	1084.75	0.20	0.31	0	Calculated
P23	CONDUIT	0 02:04	2.25	1.00	121.00	395.32	0.31	0.38	0	Calculated
P24	CONDUIT	0 00:37	3.60	1.00	121.00	786.44	0.15	0.27	0	Calculated
P25	CONDUIT	0 00:37	2.06	1.00	92.20	384.47	0.24	0.33	0	Calculated
P26	CONDUIT	0 00:32	1.99	1.00	80.70	383.38	0.21	0.31	0	Calculated
P27	CONDUIT	0 00:27	2.81	1.00	69.20	690.37	0.10	0.21	0	Calculated
P28	CONDUIT	0 02:09	1.20	1.00	48.30	799.55	0.06	0.22	0	Calculated
P29	CONDUIT	0 02:03	1.21	1.00	33.90	800.38	0.04	0.13	0	Calculated
P30	CONDUIT	0 00:00	0.00	1.00	0.00	749.47	0.00	0.00	0	Calculated
P31	CONDUIT	0 00:32	1.52	1.00	33.30	1218.83	0.03	0.11	0	Calculated
P32	CONDUIT	0 02:18	2.55	1.00	34.60	687.65	0.05	0.15	0	Calculated
P33	CONDUIT	0 01:16	1.52	1.00	18.90	496.54	0.04	0.13	0	Calculated
P34	CONDUIT	0 01:14	1.78	1.00	12.40	752.25	0.02	0.09	0	Calculated
P35	CONDUIT	0 00:35	1.11	1.00	3.90	387.26	0.01	0.07	0	Calculated