

TC

| | |
|-----------------------|-----------------|
| DATE: 10-05-2023 | |
| DESIGN BY: CEL | |
| DRAWN BY: BIB | |
| PROJECT NO.: 13958.01 | TOTAL SHEETS: 4 |
| SHEET NO.: 1 | |

GBA
 9801 Renner Blvd., Ste. 300
 Lenexa, KS 66219
 913.492.0400
 gbaeam.com

Clint Loumaster
 Professional Engineer
 License No. 2011009651

Mass Grading Plans
LS Industrial, LLC
 Lee's Summit, Missouri

| NO. | DATE | REVISIONS | BY | APPROVED |
|-----|------|-----------|----|----------|
| | | | | |

CAUTION!
 Numerous Utilities on site. Contractor to verify location and elevation of all utilities prior to commencing construction.



Know what's below.
 Call before you dig.

LEGEND

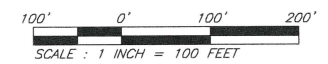
- Proposed Contour Major
- Proposed Contour Minor
- Existing Contour Major
- Existing Contour Minor



Notes:

- Grading:**
- TC elevations noted on plans are to the top of the back of the concrete curb.
 - All earthwork within the Right-Of-Way shall be governed by City Specifications, unless specifically modified by the Geotechnical report. The Contractor shall be responsible for engaging a Geotechnical Engineer to monitor compaction for the project. The Engineer shall prepare a report detailing the compaction across the site.
- Erosion Control:**
- The Contractor is responsible for providing erosion and sediment control BMP's to prevent sediment from reaching paved areas, storm sewer systems, drainage courses, and adjacent properties. In the event the prevention measures are not effective, the contractor shall remove any debris, silt, or mud and restore the Right-Of-Way, or adjacent properties to original or better condition.
 - The Contractor shall sod all disturbed areas within the Public Street Right-of-Way unless otherwise noted in the plans.
 - No trees shall be damaged or removed without prior authorization from owner unless otherwise shown on this plan.

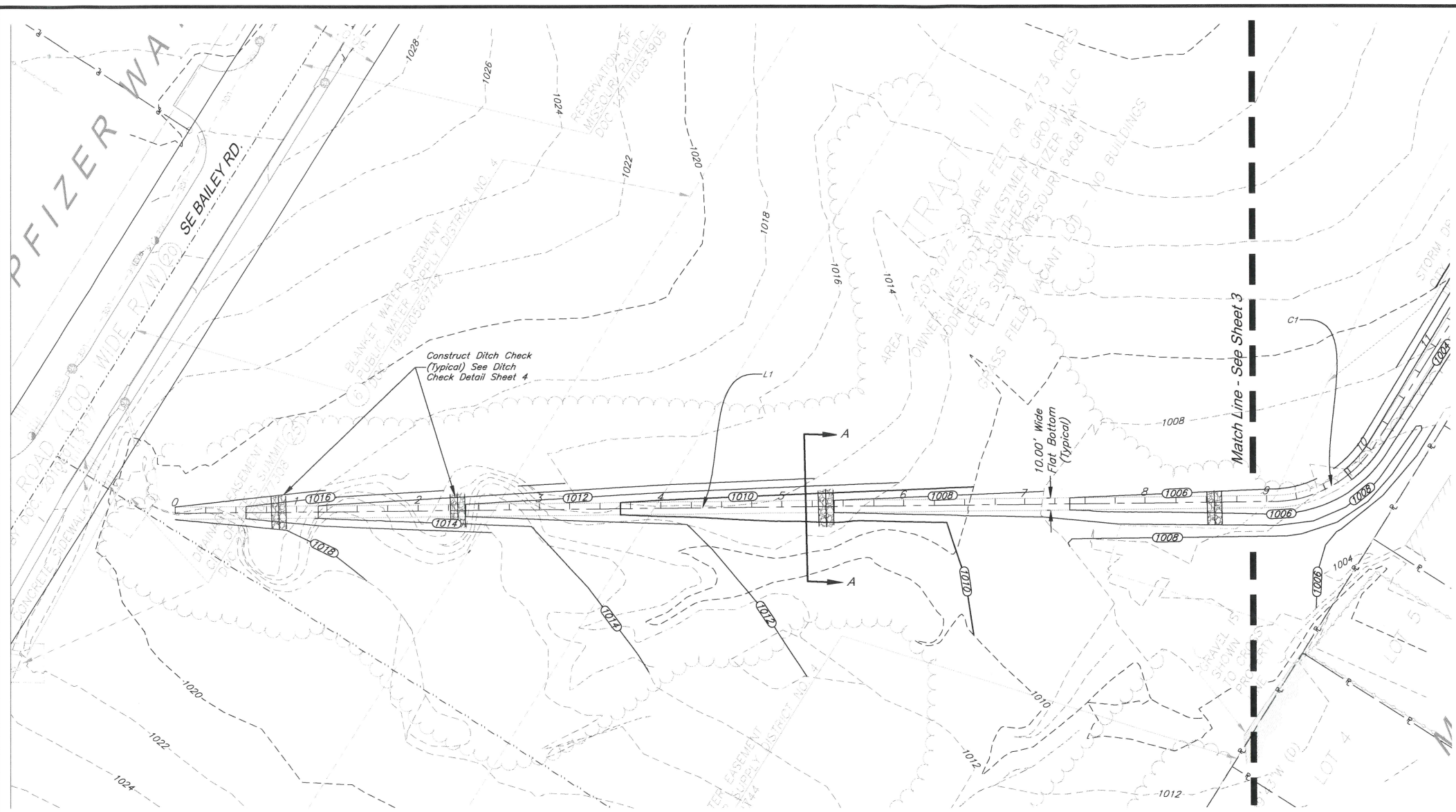
| Swale A | | | | |
|---------|--------|--------|----------------------|---------------------------------|
| Number | Radius | Length | Line/Chord Direction | Northing/Easting |
| L1 | | 905.63 | S30°33'17"E | N 993703.6332 E 2824921.3087 |
| C1 | 100.00 | 99.96 | S59°11'28"E | N 992923.7548 E 2825381.6962 |
| L2 | | 610.04 | S87°49'40"E | N 992874.6627 E 2825464.0202 |



Overall Grading Plan

G:\13958.01\Civil_3D\Production Drawings\Exhibits\Swale Grading\Exhibit_1_Overall Grading Layout: 1 OVERALL GRADING --- Thursday, October 05, 2023, 10:22am --- Copyright 2023, George Butler Associates, Inc.

G:\13958.01\Civil\3D1\Production Drawings\Exhibits\Swale Grading Exhibit\13958.01\0720.dwg Layout: 2 GRADING PLAN Thursday, October 05, 2023, 10:22am Copyright 2023, George Butler Associates, Inc.



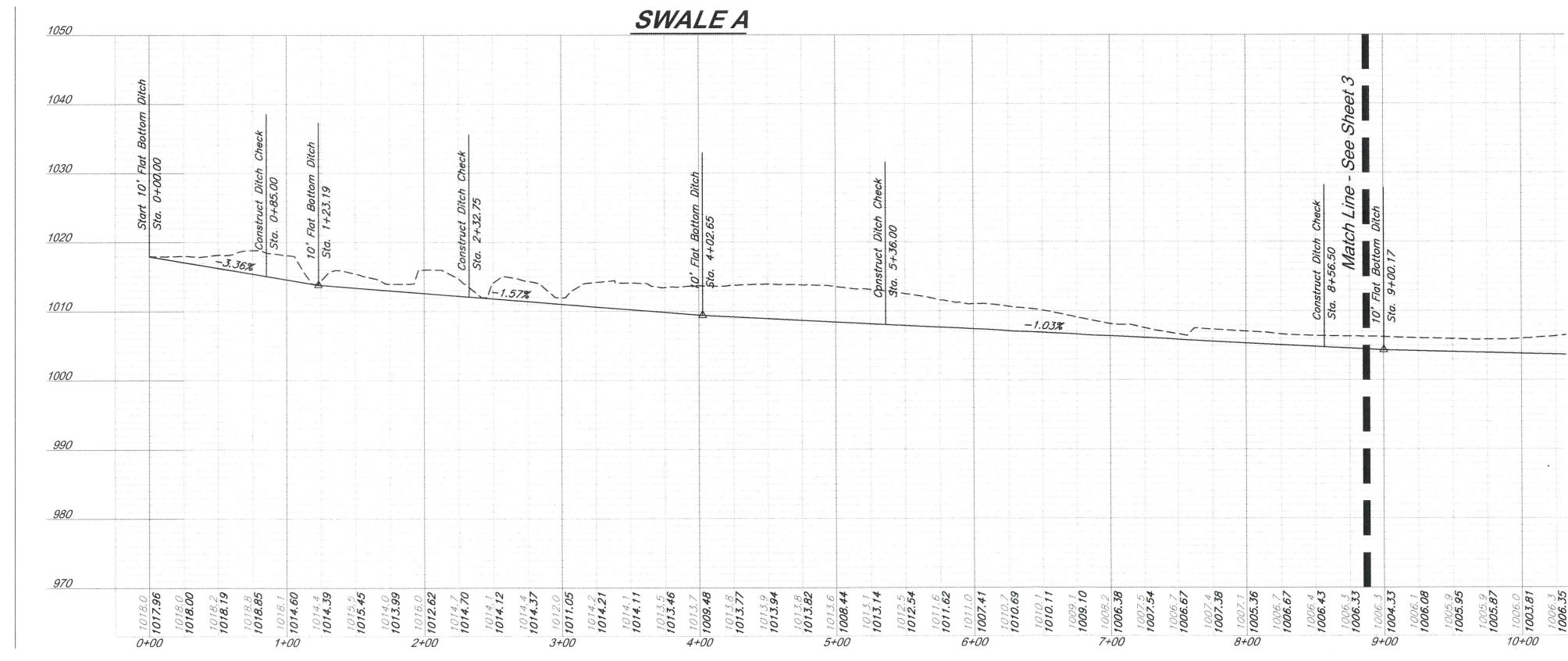
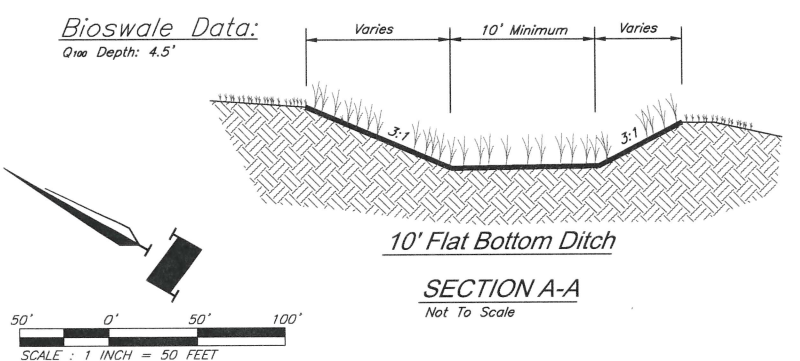
| | | |
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| GBA 9801 Renner Blvd., Ste. 300 Lenexa, KS 66219 913.492.0400 gbateam.com | | DATE: 10-05-2023 |
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| NO. | DATE | REVISIONS |
| | | |
| | | |

LEGEND

- Proposed Contour Major
- Proposed Contour Minor
- Existing Contour Major
- Existing Contour Minor
- Flow Arrow
- Match Line

Swale A

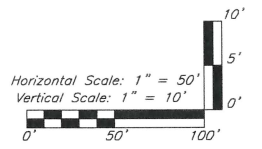
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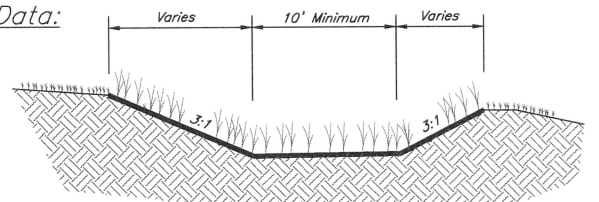
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- Proposed Contour Minor
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- Existing Contour Minor
- Flow Arrow
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Swale A

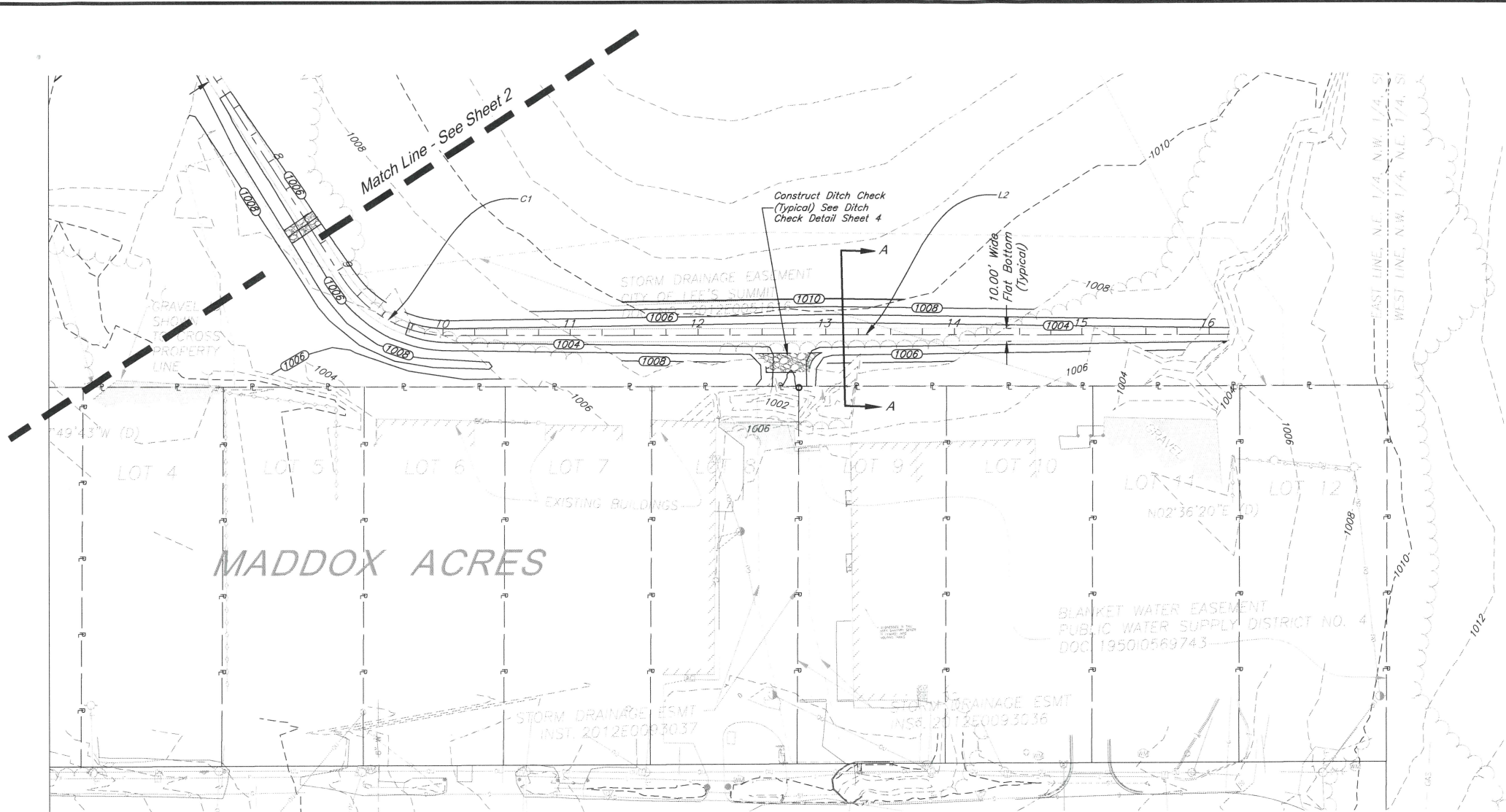
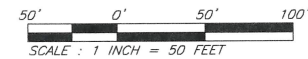
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Bioswale Data:
Grass Depth: 4.5'

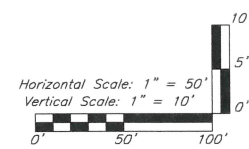
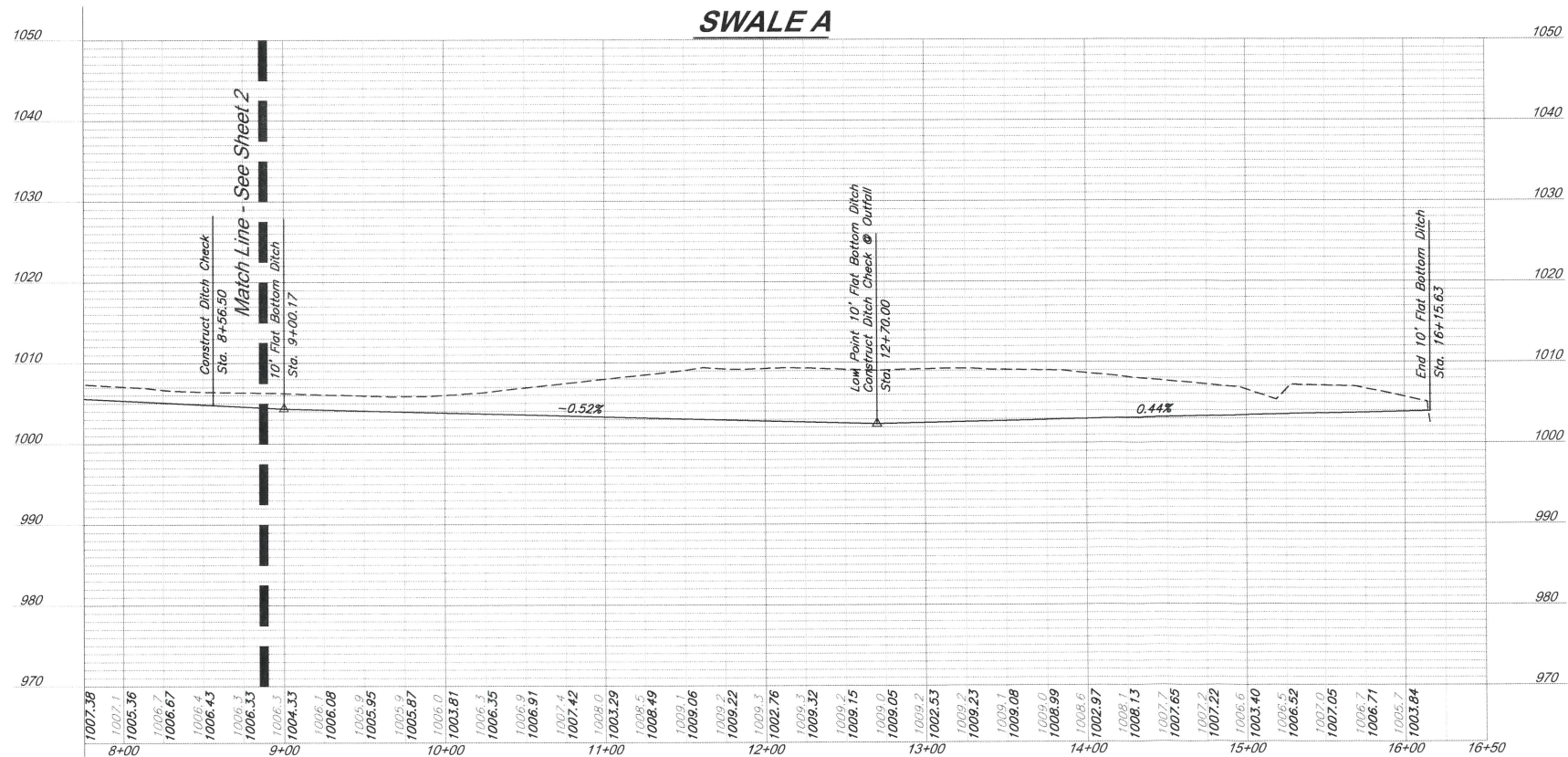


10' Flat Bottom Ditch

SECTION A-A
Not To Scale



SWALE A



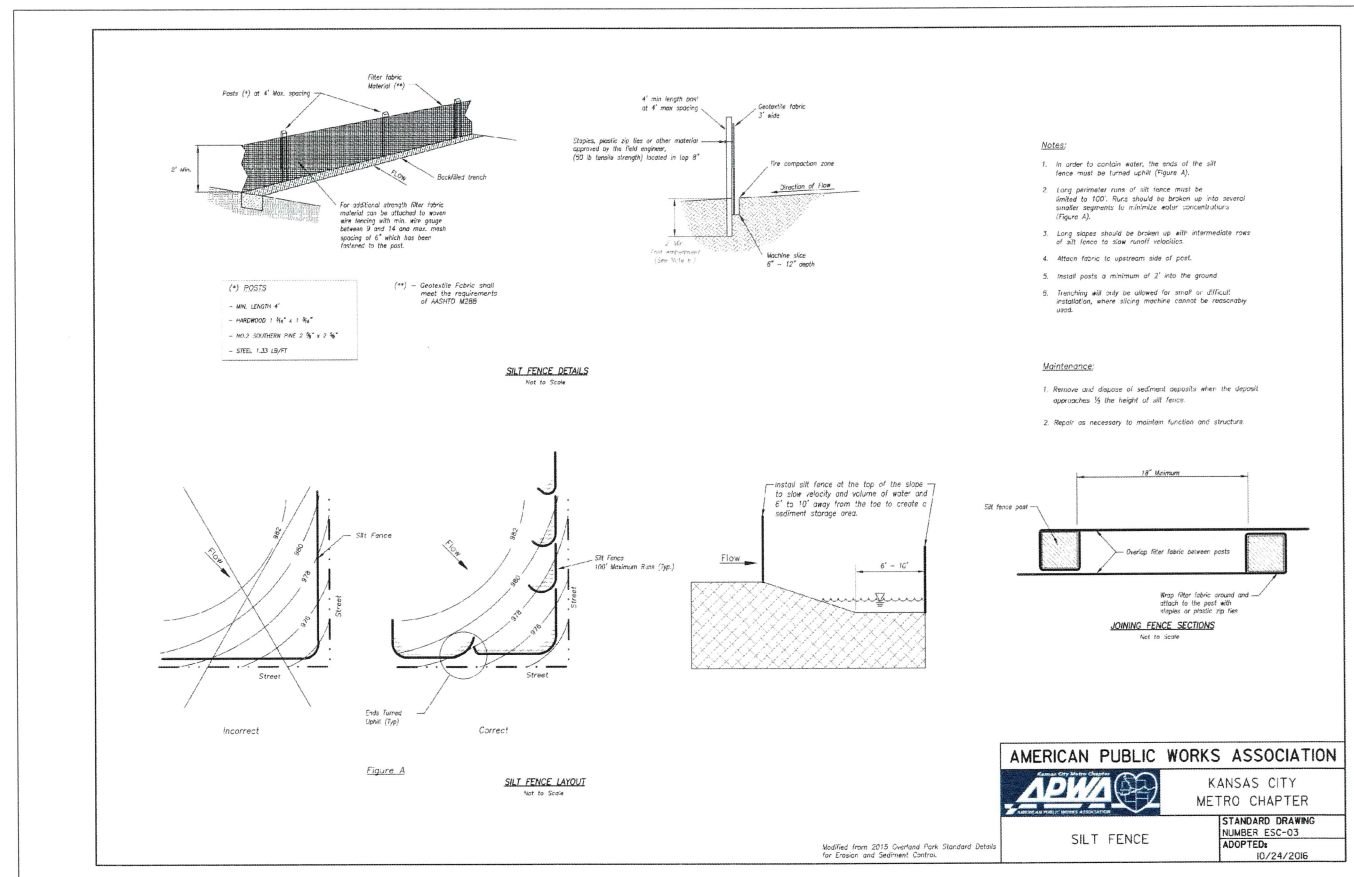
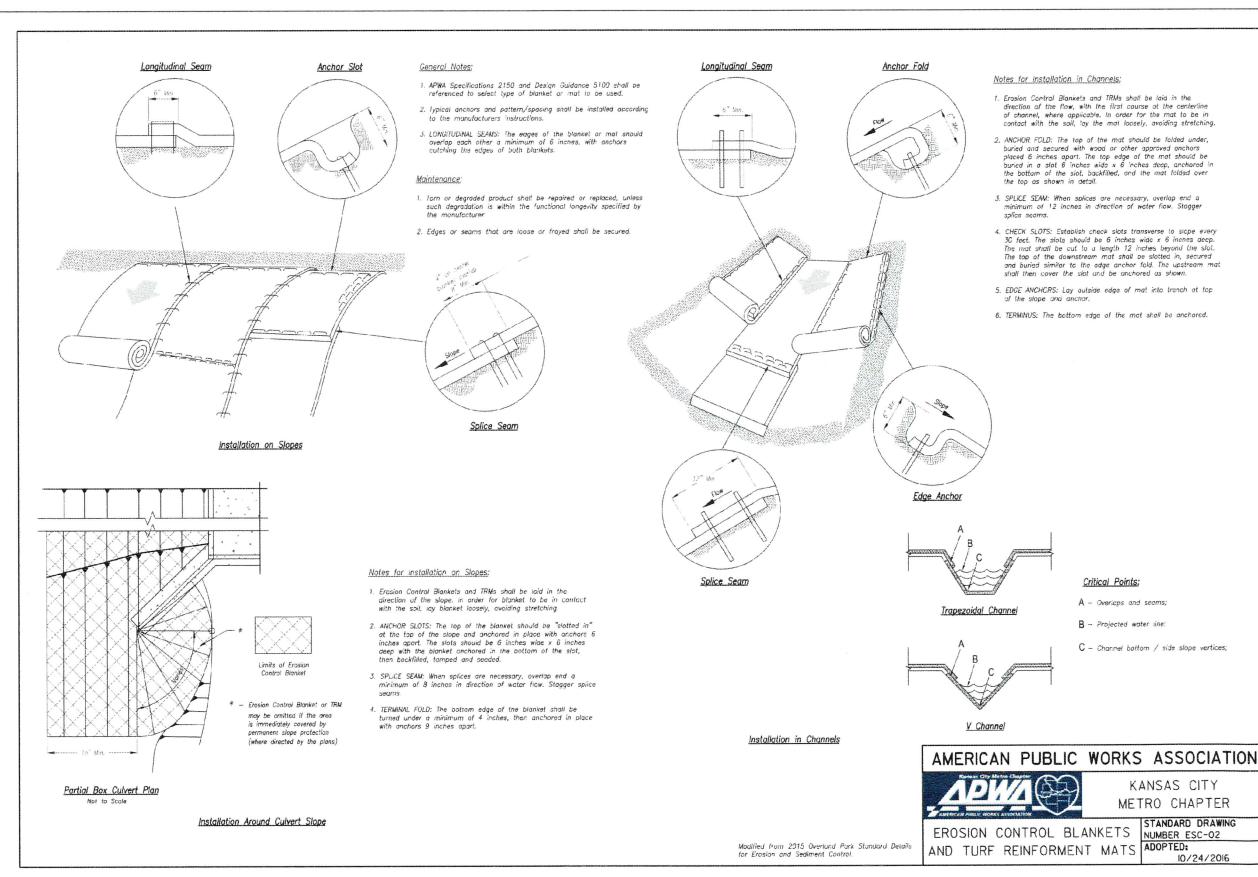
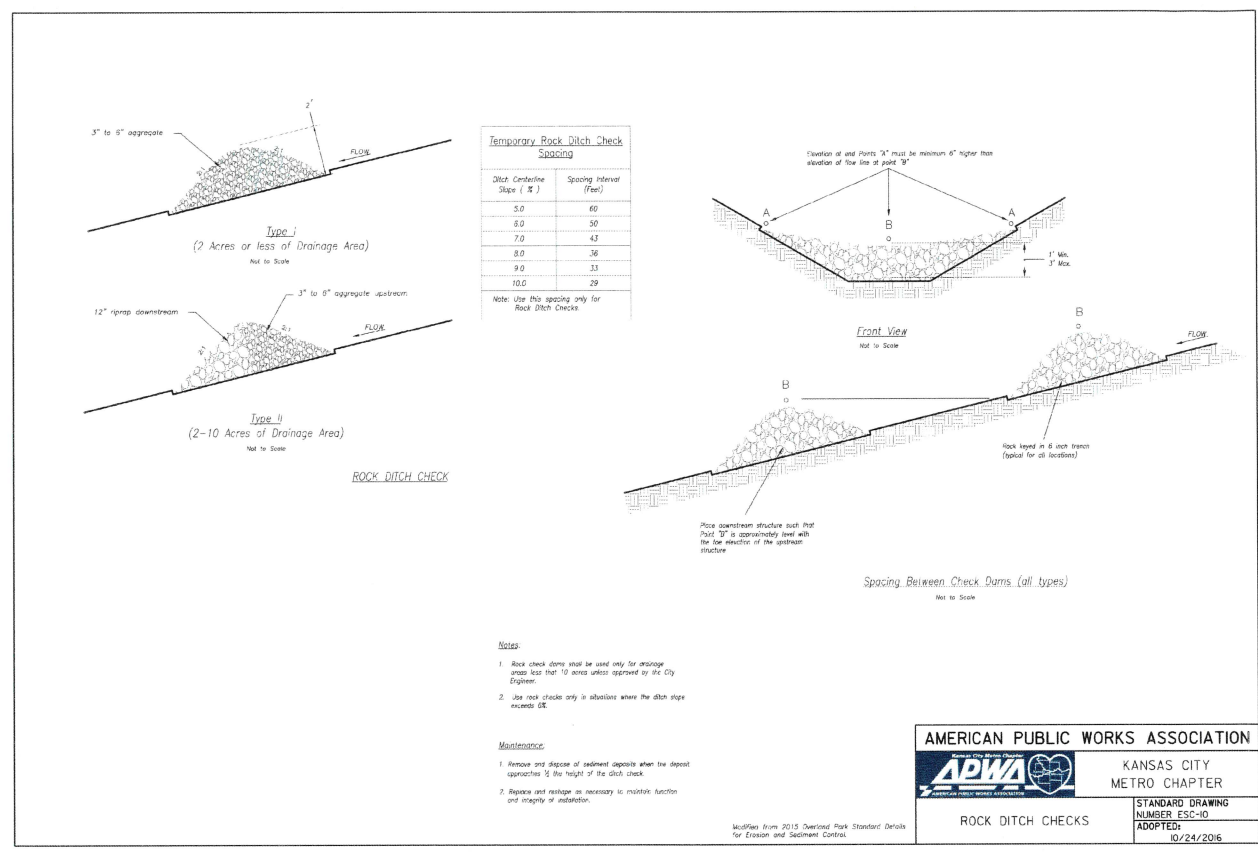
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C:\13958.01\Civil_3D\Production Drawings\Exhibits\Swale Grading Exhibits\13958.01\0720.dwg Layout: 3 GRADING PLAN -- Thursday, October 05, 2023, 10:22am -- Copyright 2023, George Butler Associates, Inc.

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c:\1.3958.01\Civil 3D\Production Drawings\Exhibits\Slope Grading Exhibit\1.3958.01C0720.dwg Layout: 4 DETAILS Thursday, October 05, 2023, 10:22am Copyright 2023, George Butler Associates, Inc.