

Drainage Plan

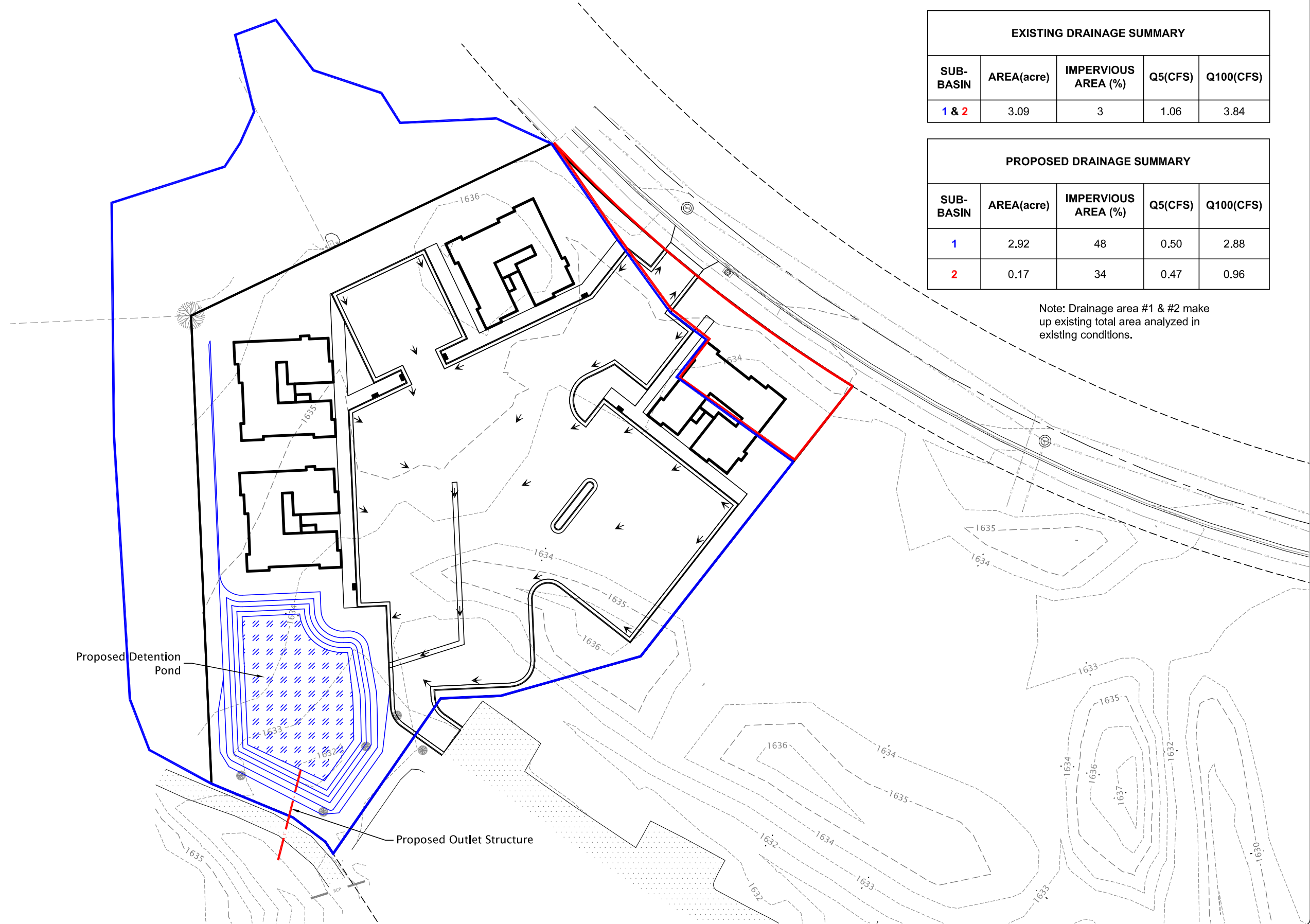
| PROPOSED DETENTION SUMMARY | |
|----------------------------|-------------|
| Elevation | Area(sqft.) |
| 1631.50 | 5,195 |
| 1633.00 | 6,270 |
| 1634.00 | 7,252 |
| 1635.00 | 8,321 |

| PROPOSED DETENTION DEPTH | |
|--------------------------|-------------------|
| Design Event | Water Depth (ft.) |
| Q-5 | 1.79 |
| Q-100 | 2.11 |

| EXISTING DRAINAGE SUMMARY | | | | |
|---------------------------|------------|---------------------|---------|-----------|
| SUB-BASIN | AREA(acre) | IMPERVIOUS AREA (%) | Q5(CFS) | Q100(CFS) |
| 1 & 2 | 3.09 | 3 | 1.06 | 3.84 |

| PROPOSED DRAINAGE SUMMARY | | | | |
|---------------------------|------------|---------------------|---------|-----------|
| SUB-BASIN | AREA(acre) | IMPERVIOUS AREA (%) | Q5(CFS) | Q100(CFS) |
| 1 | 2.92 | 48 | 0.50 | 2.88 |
| 2 | 0.17 | 34 | 0.47 | 0.96 |

Note: Drainage area #1 & #2 make up existing total area analyzed in existing conditions.



Scale: 1"=60'



BBG Sioux Village

CAD Filename:
Preliminary Design

CDI Project No.
2022-198

Drawn By:
CDB

Checked By:
AEK

Scale:
1" = 60'

Date:
01/26/2023



609 Main Ave S
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Sheet No:
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of No:
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