| PRELIMINARY DEBRIS BASIN FOR DRAINAGE 1 | | | | |
|---|---|---|---|---|
| CMT PROJECT # 12330 | | | | |
| DESIGN VOLUME | 1672 CY | | | |
| ELEVATION | AREA sf | Incr Vol cf | VOLUME cf | CY |
| 5160 | 595 | 0 | 0 | 0 |
| 5165 | 4014 | 11523 | 11523 | 427 |
| 5170 | 10163 | 35443 | 46965 | 1739 |
| | | | | |
| High Water Mark Elevation | | 5169.74 | Design Vol | 1672 |

**Berm Width** 15 feet
**Side Slopes** 3:1

| PRELIMINARY DEBRIS BASIN FOR DRAINAGE 2 | | | | |
|---|---|---|---|---|
| CMT PROJECT # 12330 | | | | |
| DESIGN VOLUME | 1525 CY | | | |
| ELEVATION | AREA sf | Incr Vol cf | VOLUME cf | CY |
| 5135 | 772 | 0 | 0 | 0 |
| 5140 | 4237 | 12523 | 12523 | 464 |
| 5145 | 10098 | 35838 | 48360 | 1791 |
| | | | | |
| High Water Mark Elevation | | 5144.00 | Design Vol | 1525 |

**Berm Width** 15 feet
**Side Slopes** 3:1

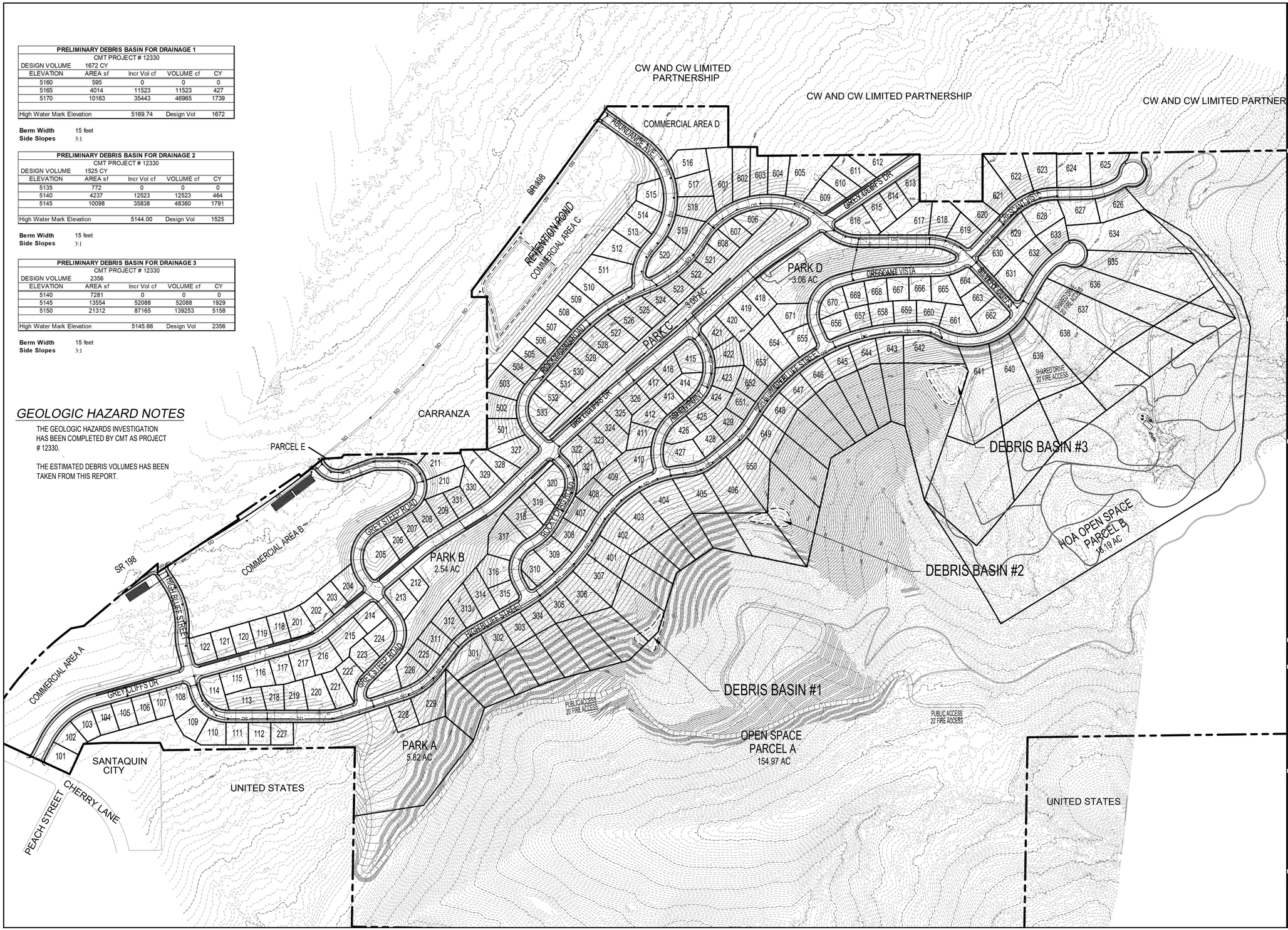
| PRELIMINARY DEBRIS BASIN FOR DRAINAGE 3 | | | | |
|---|---|---|---|---|
| CMT PROJECT # 12330 | | | | |
| DESIGN VOLUME | 2356 | | | |
| ELEVATION | AREA sf | Incr Vol cf | VOLUME cf | CY |
| 5140 | 7281 | 0 | 0 | 0 |
| 5145 | 13554 | 52088 | 52088 | 1929 |
| 5150 | 21312 | 87165 | 139253 | 5158 |
| | | | | |
| High Water Mark Elevation | | 5145.66 | Design Vol | 2356 |

**Berm Width** 15 feet
**Side Slopes** 3:1

## *GEOLOGIC HAZARD NOTES*

THE GEOLOGIC HAZARDS INVESTIGATION HAS BEEN COMPLETED BY CMT AS PROJECT # 12330.

THE ESTIMATED DEBRIS VOLUMES HAS BEEN TAKEN FROM THIS REPORT.




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER
LINDON, UT 84042
801.785.8458

N

0 100 200 400 600
SCALE: 1"= 200'


Berg
CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677


| REVISIONS | | | SEAL |
|---|---|---|---|
| NO. | DATE | DESCRIPTION | STATE OF UTAH R. Berg PROFESSIONAL ENGINEER 4/21/2022 343602 |
| 1 | | | |
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| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

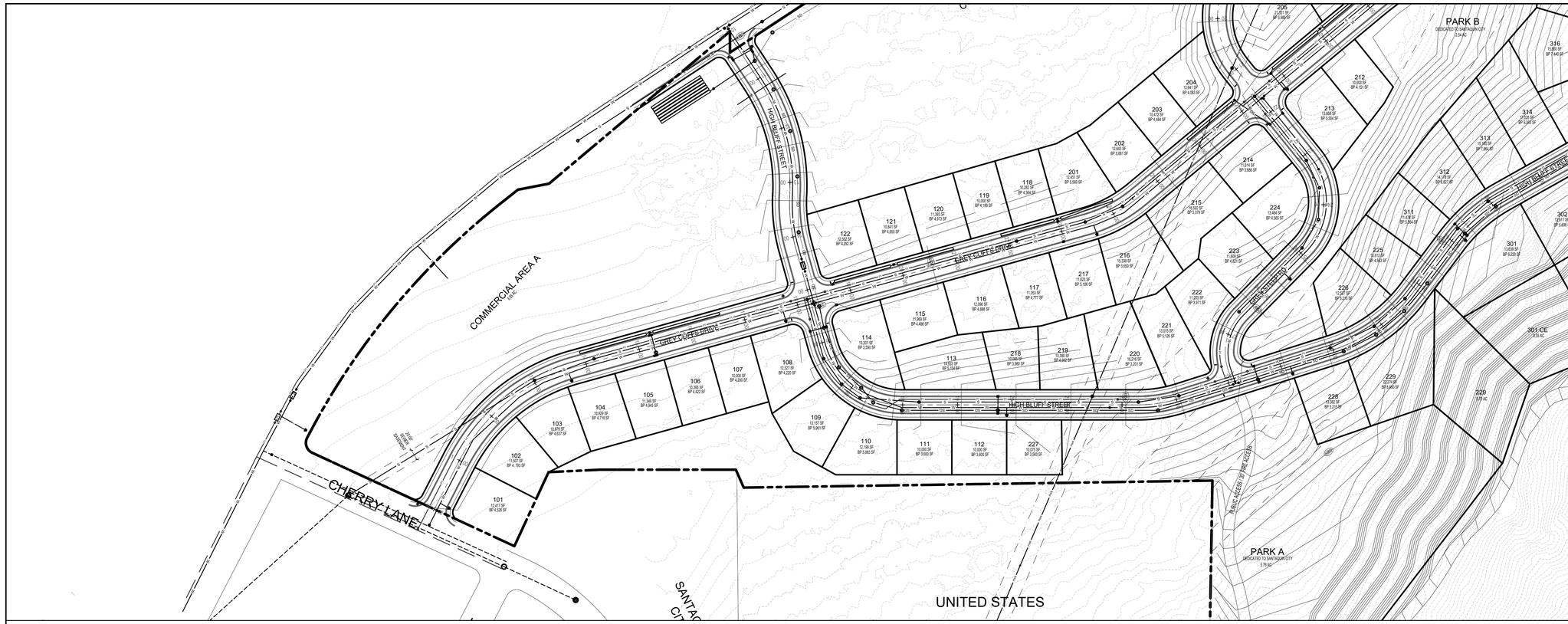
GreyCliffs ESTATES

DESCRIPTION

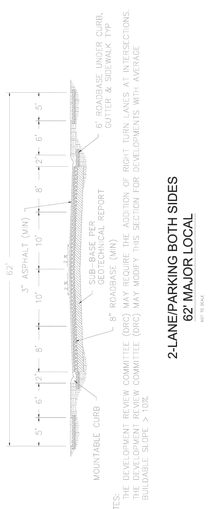
*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| *GRADING* | *C3.8* |

My drive\berg civil\2021\grey cliffs\preliminary plan\gre_pre-01-grading.dwg

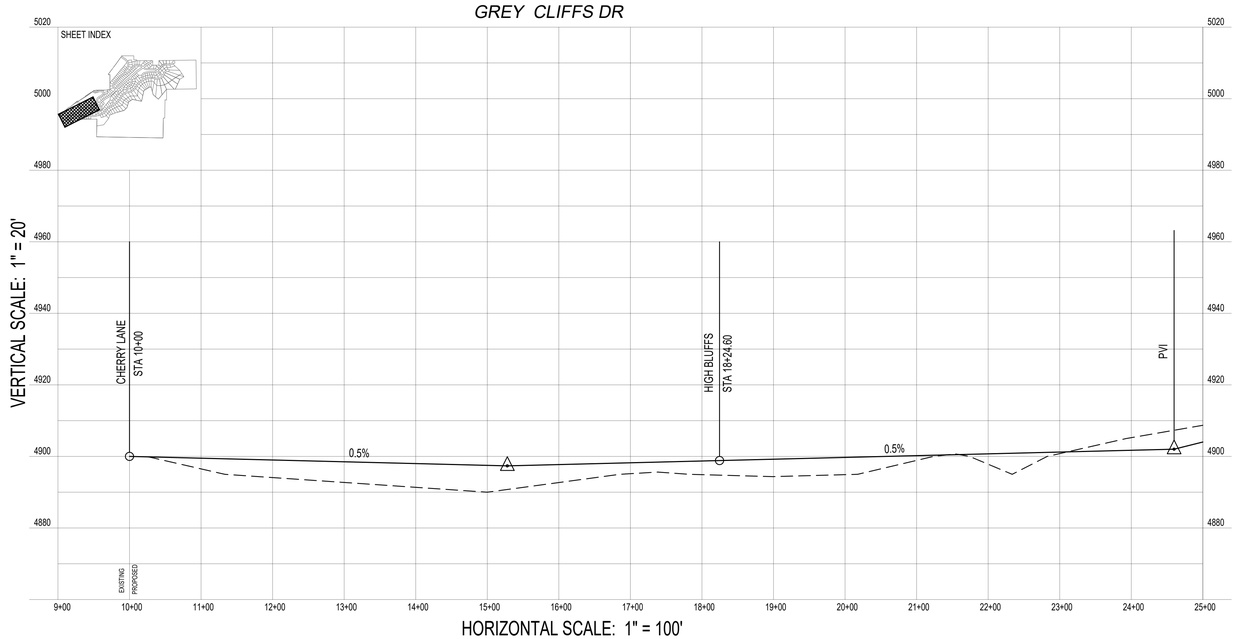



## ROADWAY CROSS SECTION




2-LANE/PARKING BOTH SIDES
62' MAJOR LOCAL
NOT TO SCALE

## GREY CLIFFS DR




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198

SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER

LINDON, UT 84042

801.785.8458

0 50 100 200 300

SCALE: 1"= 100'


CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677


| REVISIONS | | |
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SEAL

STATE OF UTAH
R. Berg
REGISTERED
4/21/2022
343602
PROFESSIONAL ENGINEER

| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

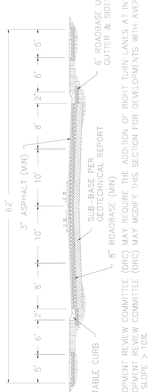
DESCRIPTION

*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| GREY CLIFFS DR | C4.1 |

Key: drawberg on6202\grey cliffs\preliminary plan\grpl_pre-04 profiles grey cliffs.dwg

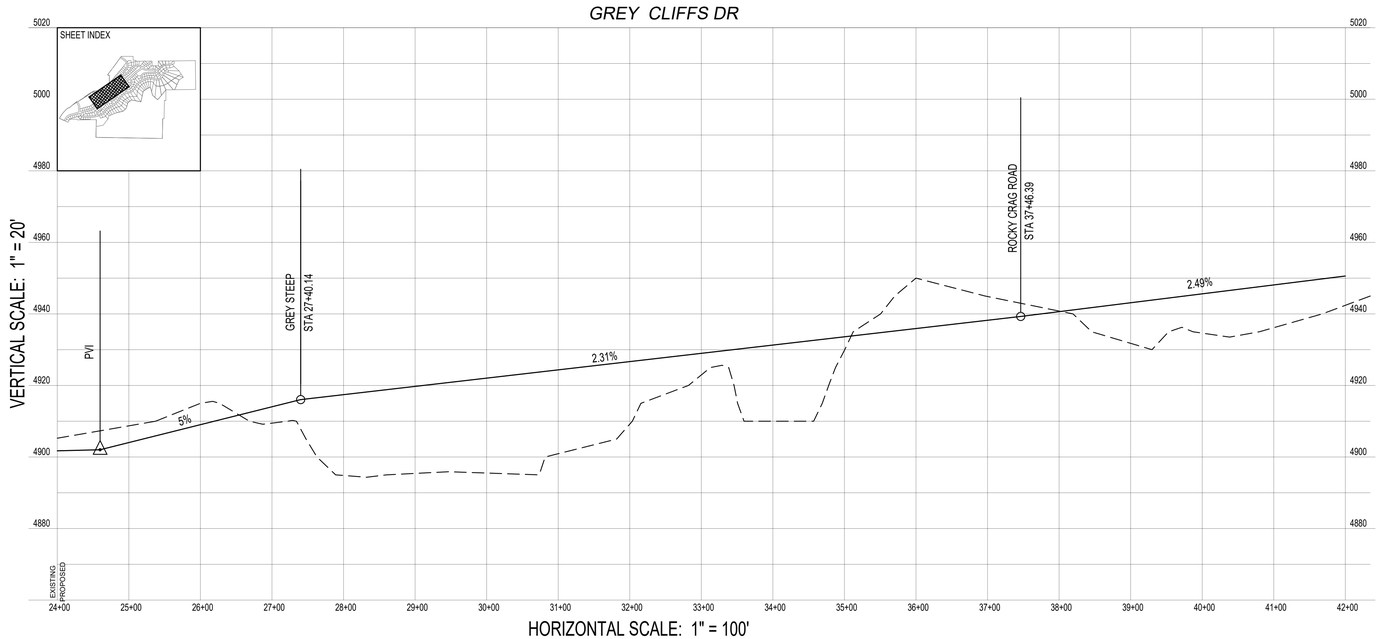
## ROADWAY CROSS SECTION




2-LANE/PARKING BOTH SIDES
62' MAJOR LOCAL

NOTES:
1. THE DEVELOPMENT REVIEW COMMITTEE (DRC) MAY REQUIRE THE ADDITION OF RIGHT TURN LANES AT INTERSECTIONS.
2. THE DEVELOPMENT REVIEW COMMITTEE (DRC) MAY MODIFY THIS SECTION FOR DEVELOPMENTS WITH AVERAGE BUILDABLE SLOPE > 10%.

## GREY CLIFFS DR




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.
935 W. CENTER
LINDON, UT 84042
801.785.8458

N

0 50 100 200 300
SCALE: 1"= 100'


berg
CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677


| REVISIONS | | |
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SEAL

STATE OF UTAH
R. Berg
REGISTERED
4/21/2022
343602
PROFESSIONAL ENGINEER

| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

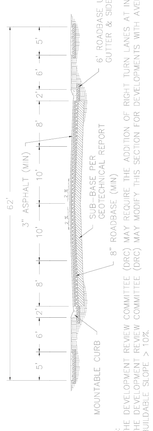
DESCRIPTION

*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| GREY CLIFFS DR | C4.2 |

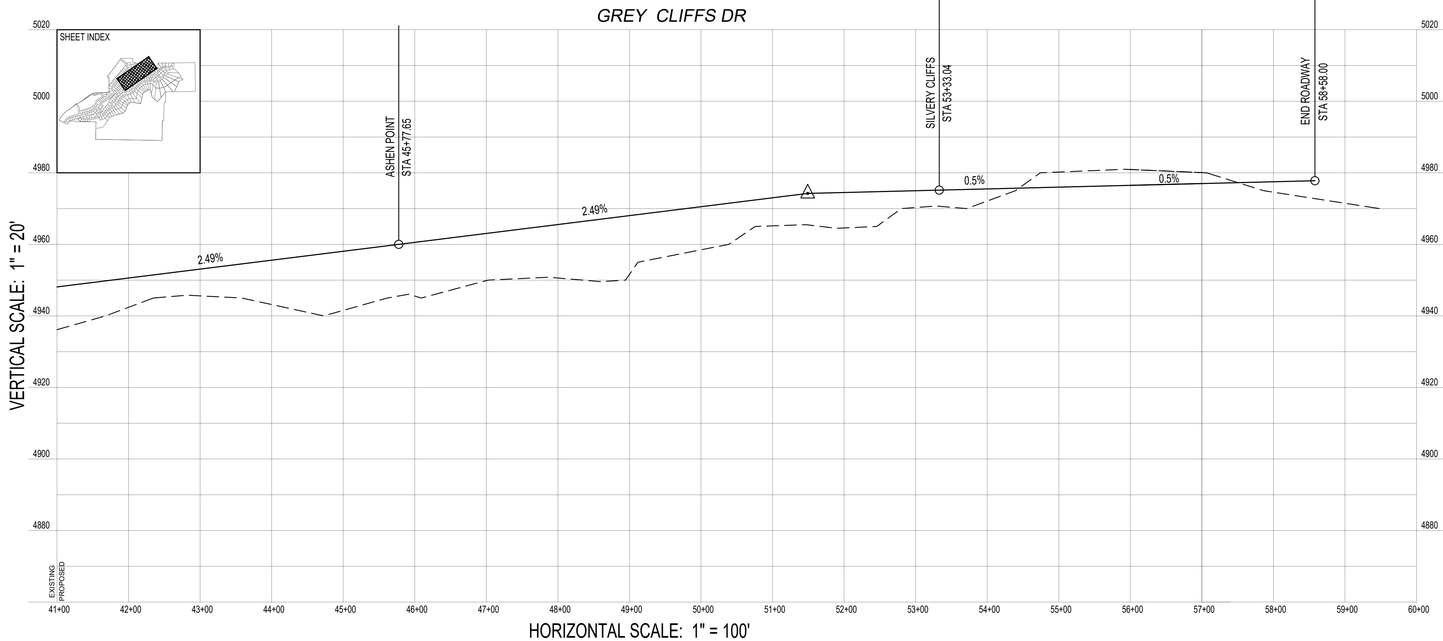
key: drawberg cv4/2021/grey cliffs/preliminary plan/grpc_pre-04 profiles grey cliffs.dwg

## ROADWAY CROSS SECTION




2-LANE/PARKING BOTH SIDES
62' MAJOR LOCAL

## GREY CLIFFS DR




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198

SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER

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801.785.8458

N

0 50 100 200 300

SCALE: 1"= 100'


berg
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cell (801) 616-1677


| REVISIONS | | | SEAL |
|---|---|---|---|
| NO. | DATE | DESCRIPTION | STATE OF UTAH R. Berg REGISTERED 4/21/2022 343602 PROFESSIONAL ENGINEER |
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| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

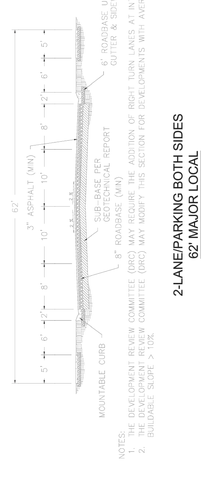
DESCRIPTION

*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| *GREY CLIFFS DR* | *C4.3* |

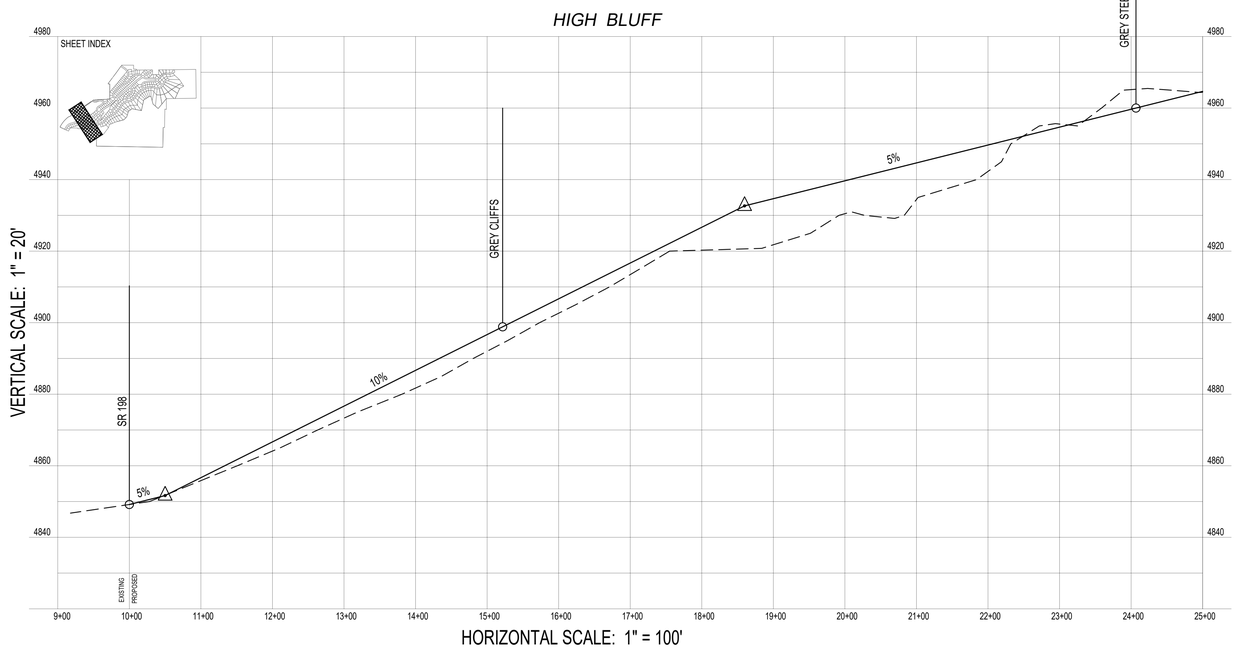
Joey Grewberg on6/2021/grey cliffs/preliminary plan/grpc_pre-04 profiles grey cliffs.dwg

ROADWAY CROSS SECTION

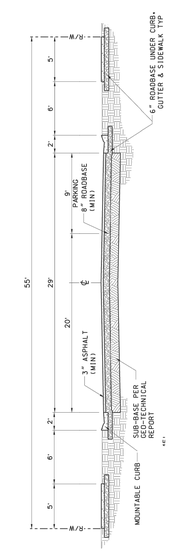



2-LANE/PARKING BOTH SIDES
62' MAJOR LOCAL

HIGH BLUFF




ROADWAY CROSS SECTION




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER
LINDON, UT 84042
801.785.8458

0 50 100 200 300
SCALE: 1"= 100'


berg
CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland UT, 84003
office (801) 492-1277
cell (801) 616-1677


| REVISIONS | | |
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SEAL: STATE OF UTAH — R. BERG — 4/21/2022 — 343602 — PROFESSIONAL ENGINEER

| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

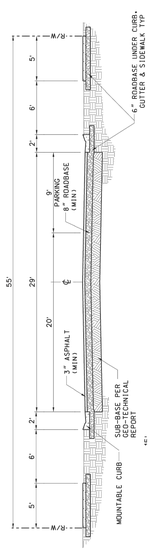
DESCRIPTION

PRELIMINARY PLAN

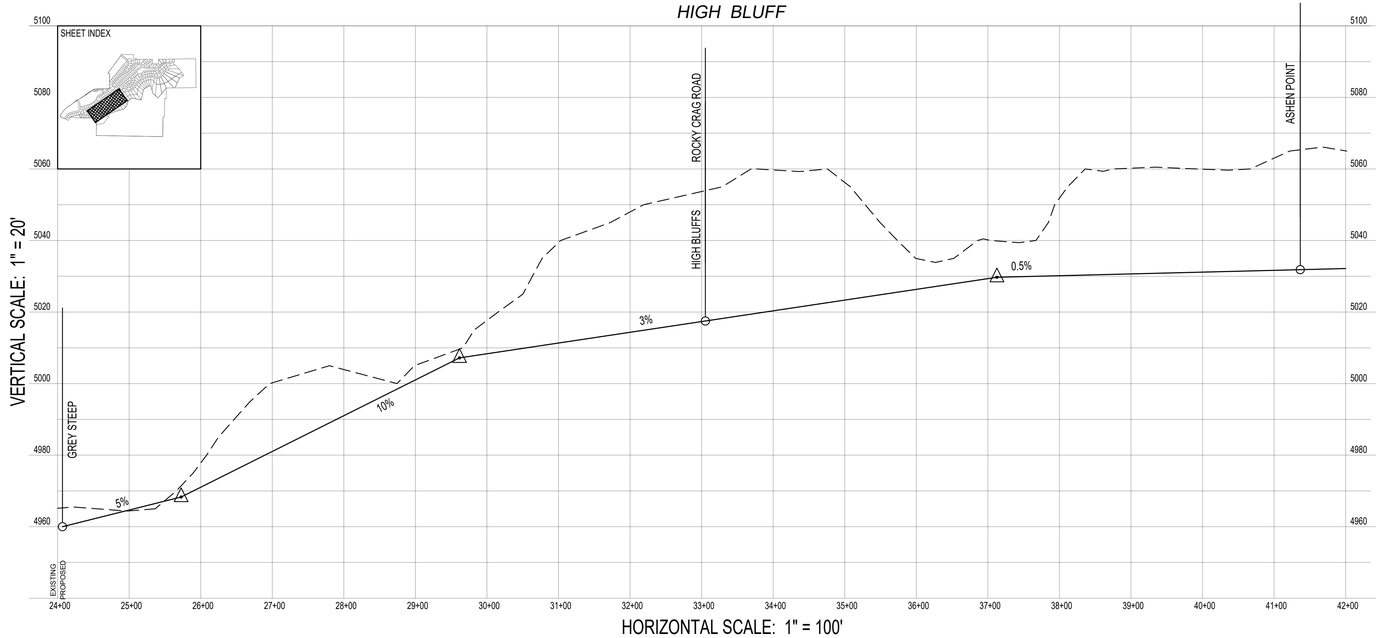
| SHEET NAME | SHEET NUMBER |
|---|---|
| HIGH BLUFF | C5.1 |

c:\my drive\berg civil\2021\grey cliffs\preliminary plan\grey_pre-05.profiles high bench.dwg

## ROADWAY CROSS SECTION




## HIGH BLUFF




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198

SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER

LINDON, UT 84042

801.785.8458

N

0 50 100 200 300

SCALE: 1"= 100'


berg CIVIL ENGINEERING

11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677


| REVISIONS | | | SEAL |
|---|---|---|---|
| NO. | DATE | DESCRIPTION | STATE OF UTAH, R. Berg, REGISTERED, 4/21/2022, 343602, PROFESSIONAL ENGINEER |
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| ACTION | DATE |
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| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

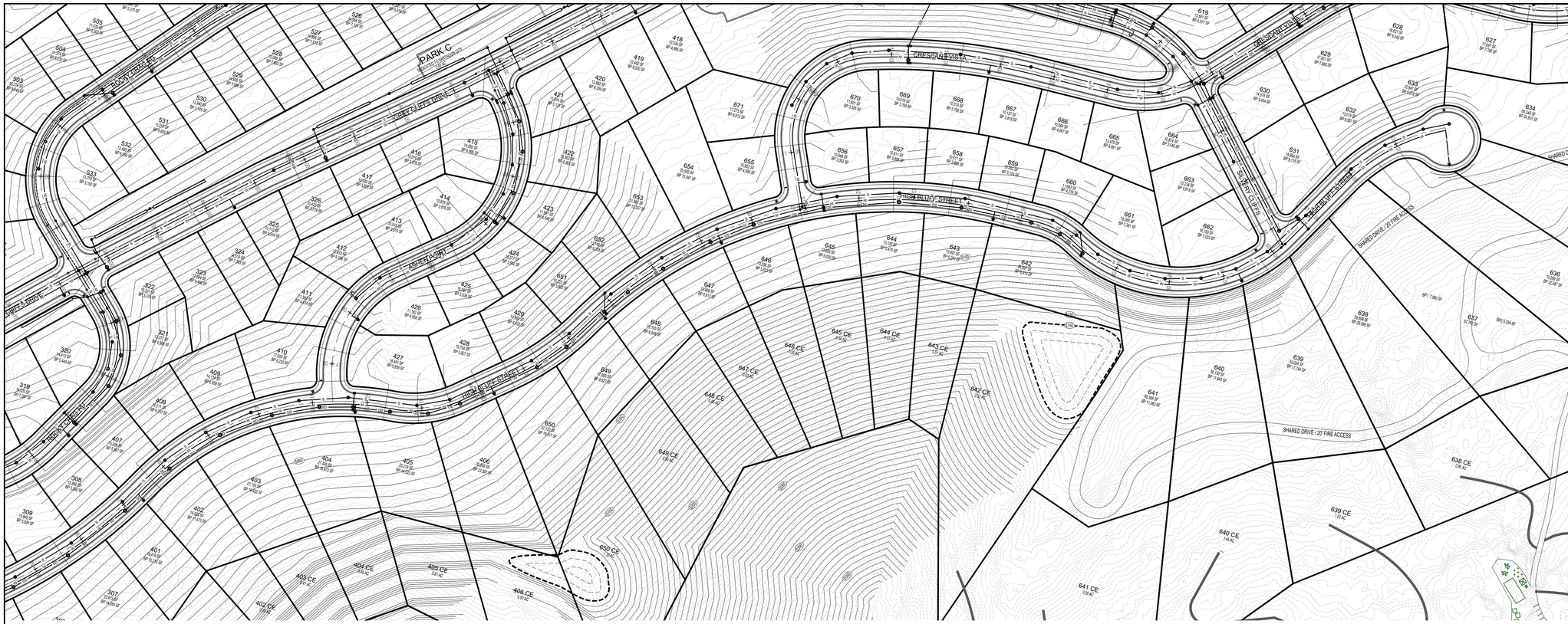
GreyCliffs ESTATES

DESCRIPTION

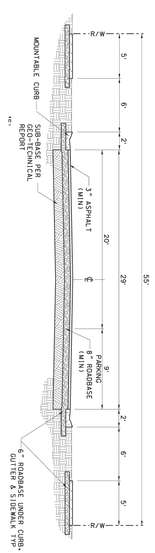
*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| *HIGH BLUFF* | *C5.2* |

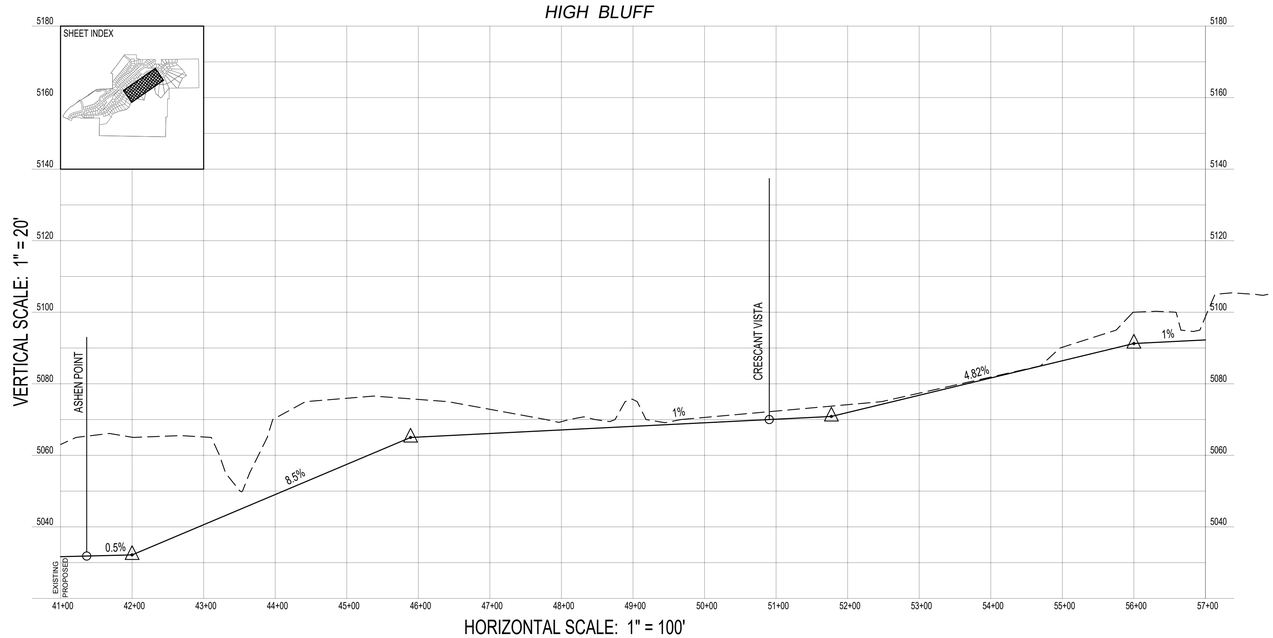
Ley drive:berg civil\2021\grey cliffs\preliminary plan\grce_pre-05 profiles high bench.dwg




## ROADWAY CROSS SECTION




## HIGH BLUFF




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198

SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER

LINDON, UT 84042

801.785.8458

N

0 50 100 200 300

SCALE: 1"= 100'

berg CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677

| REVISIONS | | | SEAL |
|---|---|---|---|
| NO. | DATE | DESCRIPTION | STATE OF UTAH R. Berg REGISTERED 4/21/2022 343602 PROFESSIONAL ENGINEER |
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| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

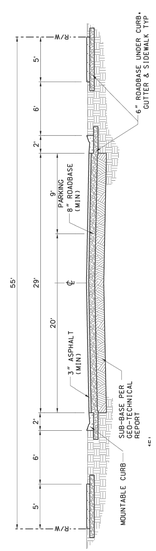
DESCRIPTION

*PRELIMINARY PLAN*

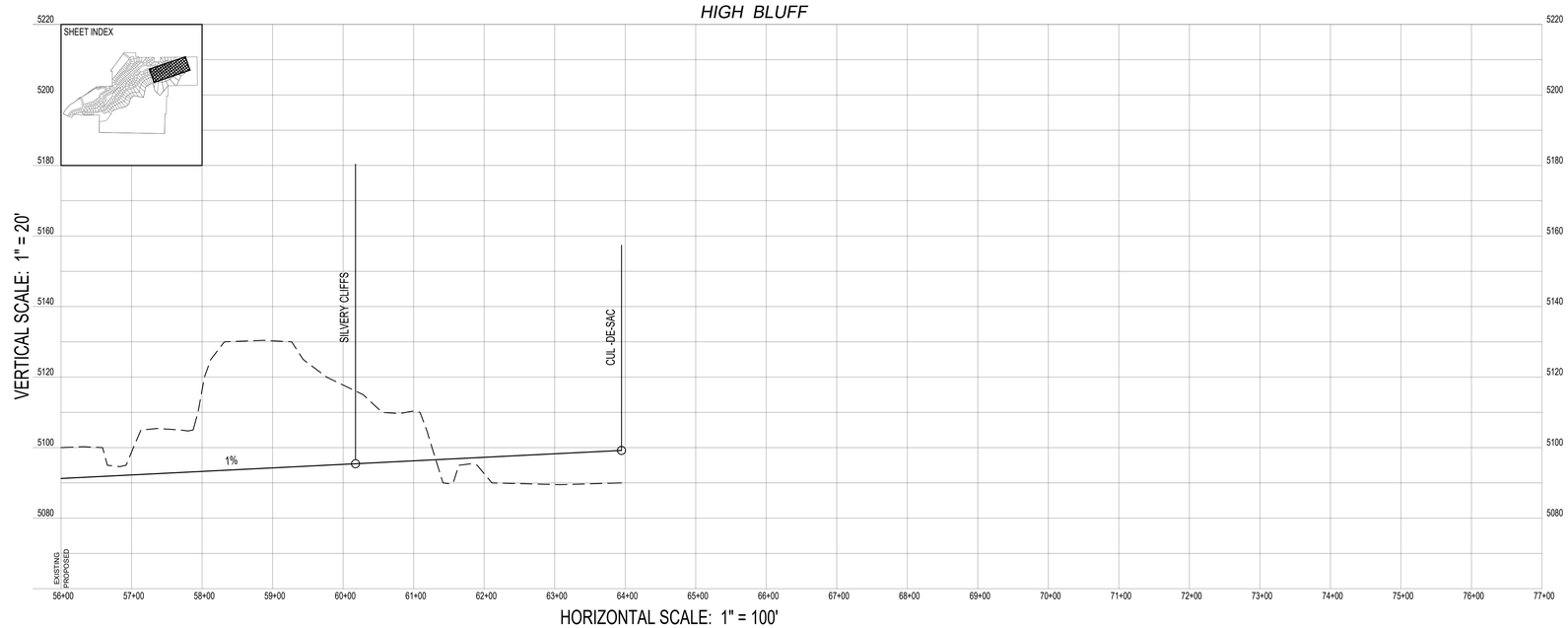
| SHEET NAME | SHEET NUMBER |
|---|---|
| *HIGH BLUFF* | *C5.3* |

Ury drive:berg-civil\2021\grey cliffs\preliminary plan\grce_pre-05 profiles high bench.dwg

## ROADWAY CROSS SECTION




## HIGH BLUFF




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198

SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER

LINDON, UT 84042

801.785.8458

N

0 50 100 200 300

SCALE: 1"= 100'


berg

CIVIL ENGINEERING

11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677


| REVISIONS | | | SEAL |
|---|---|---|---|
| NO. | DATE | DESCRIPTION | STATE OF UTAH, Jay R. Berg, REGISTERED, 4/21/2022, 343602, PROFESSIONAL ENGINEER |
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| ACTION | DATE |
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| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

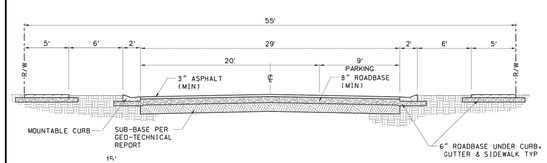
DESCRIPTION

*PRELIMINARY PLAN*

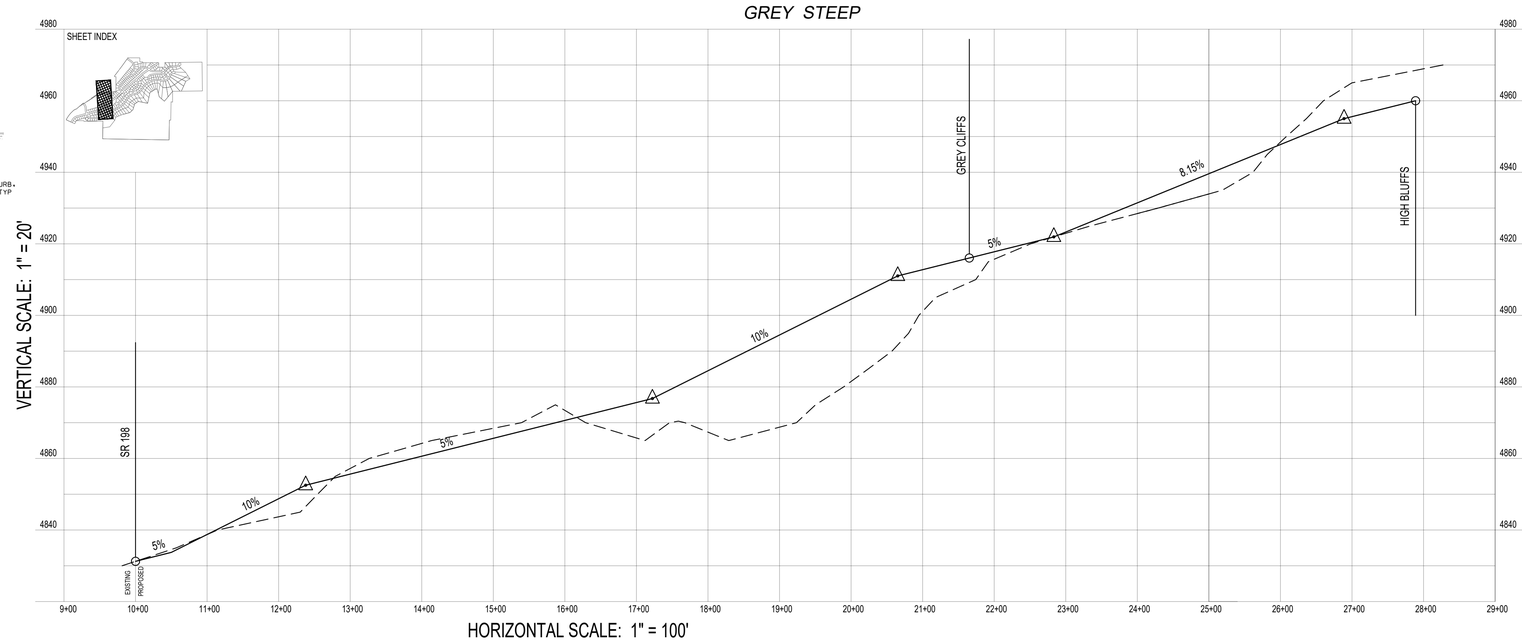
| SHEET NAME | SHEET NUMBER |
|---|---|
| *HIGH BLUFF* | *C5.4* |

Jay Berg/berg civil/2021/grey cliffs/preliminary plan/gcc_pre-05 profiles high bench.dwg

## ROADWAY CROSS SECTION




## GREY STEEP




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198

SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER

LINDON, UT 84042

801.785.8458

0 50 100 200 300

SCALE: 1"= 100'


berg

CIVIL ENGINEERING

11038 N Highland Blvd Suite 400

Highland Ut, 84003

office (801) 492-1277

cell (801) 616-1677


| REVISIONS | | | SEAL |
|---|---|---|---|
| NO. | DATE | DESCRIPTION | STATE OF UTAH, R. Berg, REGISTERED, 4/21/2022, 343602, PROFESSIONAL ENGINEER |
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| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

DESCRIPTION

*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| *GREY STEEP* | *C6.1* |

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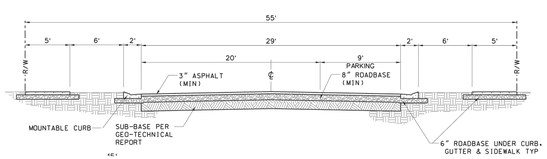
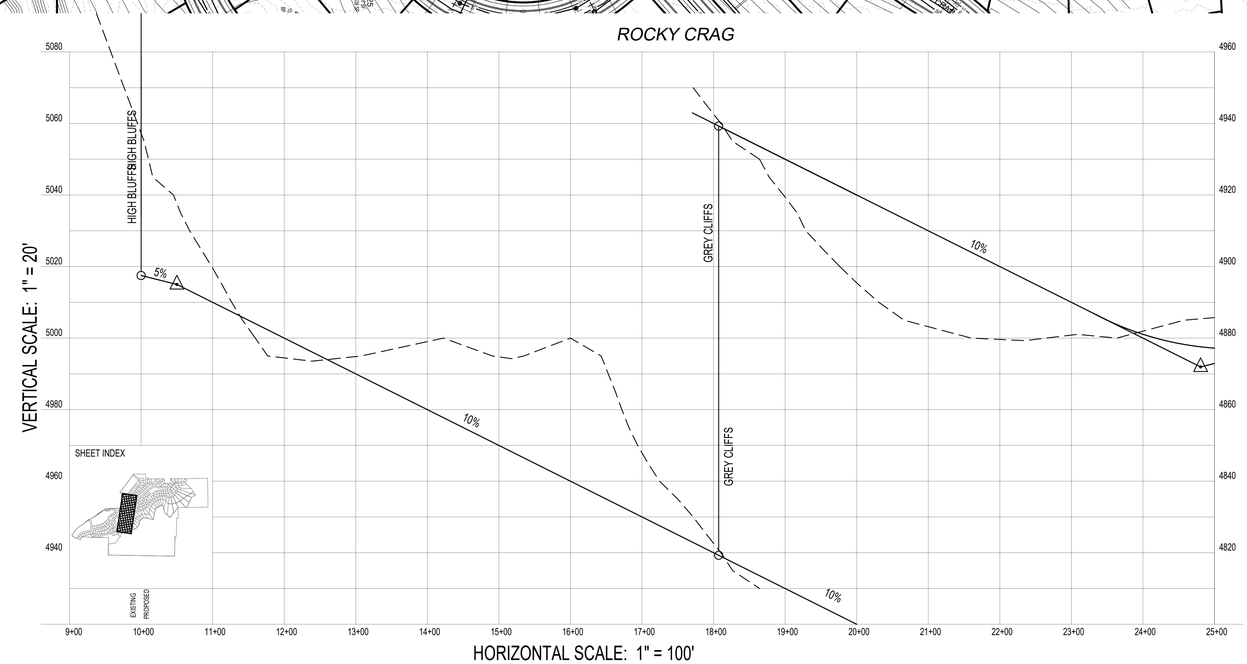
## ROADWAY CROSS SECTION




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198

SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER

LINDON, UT 84042

801.785.8458

0 50 100 200 300

SCALE: 1"= 100'


berg CIVIL ENGINEERING

11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677


| REVISIONS | | |
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| NO. | DATE | DESCRIPTION |
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SEAL

STATE OF UTAH — R. Berg — REGISTERED — 4/21/2022 — 343602 — PROFESSIONAL ENGINEER

| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

DESCRIPTION

*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| *ROCKY CRAG* | *C7.1* |

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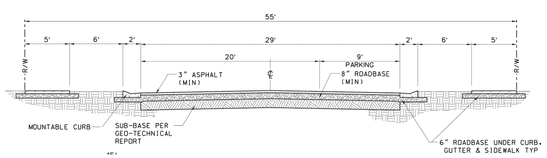
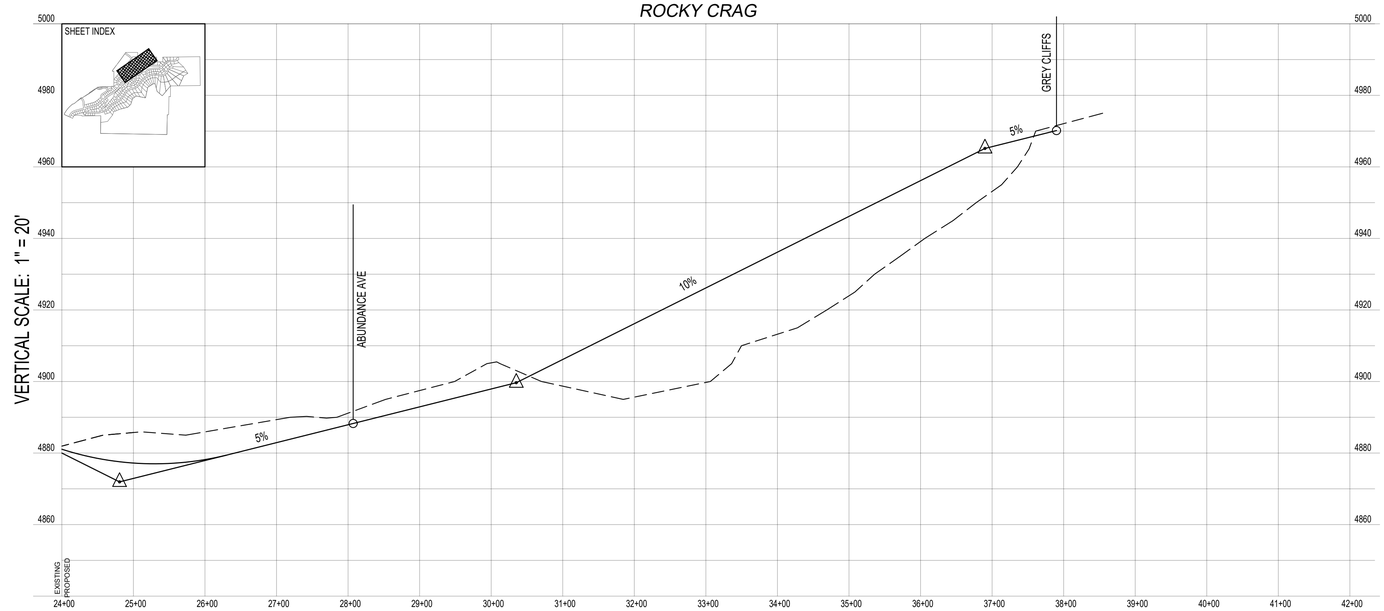
## ROADWAY CROSS SECTION




## ROCKY CRAG




DEVELOPMENT

GreyCliffs ESTATES

700 N SR198

SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

GREY CLIFFS LLC.

935 W. CENTER

LINDON, UT 84042

801.785.8458

0 50 100 200 300

SCALE: 1"= 100'


CIVIL ENGINEERING

11038 N Highland Blvd Suite 400

Highland Ut, 84003

office (801) 492-1277

cell (801) 616-1677


| REVISIONS | | | SEAL |
|---|---|---|---|
| NO. | DATE | DESCRIPTION | STATE OF UTAH, R. Berg, REGISTERED, 4/21/2022, 343602, PROFESSIONAL ENGINEER |
| 1 | | | |
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| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |

| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

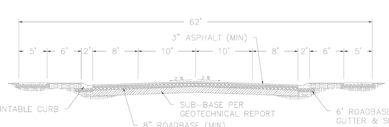
DESCRIPTION

*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| *ROCKY CRAG* | *C7.2* |

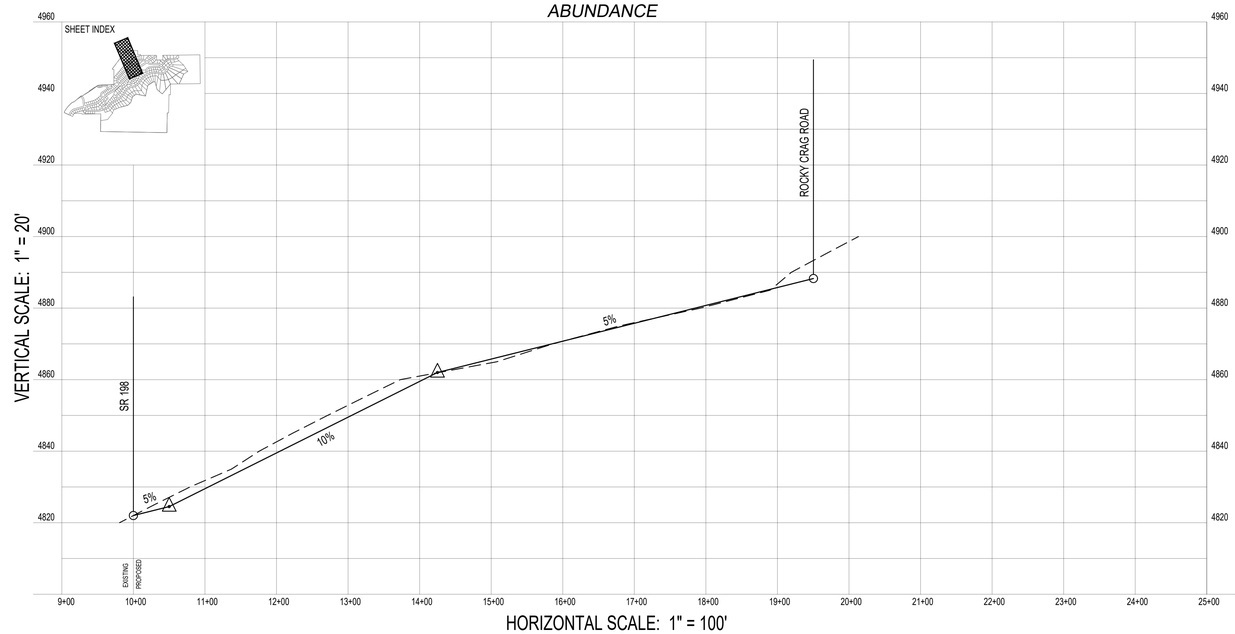
cmy: driveberg-cm0620/1grey cliffs/preliminary plan/grce_pre-07 profiles rocky crag.dwg

## ROADWAY CROSS SECTION




NOTES:
1. THE DEVELOPMENT REVIEW COMMITTEE (DRC) MAY REQUIRE THE ADDITION OF RIGHT TURN LANES AT INTERSECTIONS.
2. THE DEVELOPMENT REVIEW COMMITTEE (DRC) MAY MODIFY THIS SECTION FOR DEVELOPMENTS WITH AVERAGE BUILDABLE SLOPE > 10%

## ABUNDANCE




DEVELOPMENT

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| 7 | | | |

| ACTION | DATE |
|---|---|
| PRELIMINARY PLAN | 4/21/2022 |

PROJECT

GreyCliffs ESTATES

DESCRIPTION

*PRELIMINARY PLAN*

| SHEET NAME | SHEET NUMBER |
|---|---|
| *ABUNDANCE* | *C8.1* |

Joy drewberg cnd0202\grey cliffs\preliminary plan\gcp_pra-08 profiles abundance.dwg