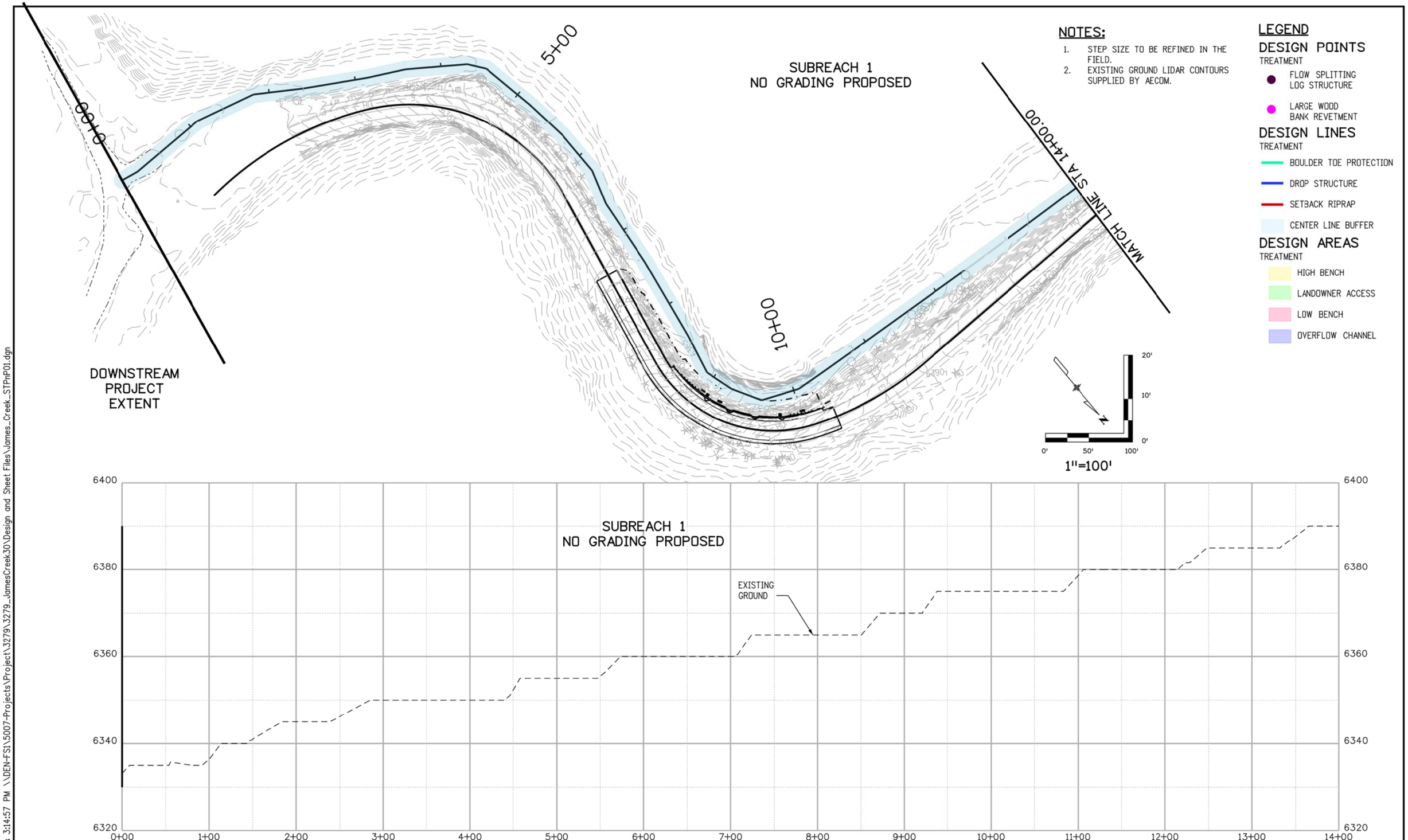

NOTES:

1. STEP SIZE TO BE REFINED IN THE FIELD.
2. EXISTING GROUND LIDAR CONTOURS SUPPLIED BY AECOM.

LEGEND

DESIGN POINTS
TREATMENT
- FLOW SPLITTING LOG STRUCTURE
- LARGE WOOD BANK REVETMENT

DESIGN LINES
TREATMENT
- BOULDER TOE PROTECTION
- DROP STRUCTURE
- SETBACK RIPRAP
- CENTER LINE BUFFER

DESIGN AREAS
TREATMENT
- HIGH BENCH
- LANDOWNER ACCESS
- LOW BENCH
- OVERFLOW CHANNEL

30%

811 CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

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LEFTHAND WATERSHED OVERSIGHT GROUP

DESIGNED:	CAD:	CHECKED:	DATE:

JAMES STREAM PLAN AND PROFILE (1 OF 5)

PROJECT NO: | SHEET NO:

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NOTES:

1. STEP SIZE TO BE REFINED IN THE FIELD.
2. EXISTING GROUND LIDAR CONTOURS SUPPLIED BY AECOM.

SUBREACH 1
NO GRADING PROPOSED

SUBREACH 2
NO GRADING PROPOSED

SUBREACH 3
NO GRADING PROPOSED

SUBREACH 4
TARGET BEDFORM: STEP-POOL
EXISTING SLOPE: 4.0%
TARGET SLOPE: 3.6%

15+00

MATCH LINE STA 14+00.00

20+00

25+00

MATCH LINE STA 28+00.00

LARGE WOOD REVETMENT

LARGE WOOD REVETMENT

OVERFLOW CHANNEL

BOULDER TOE PROTECTION

OVERFLOW CHANNEL

LEGEND

DESIGN POINTS
TREATMENT
- FLOW SPLITTING LOG STRUCTURE
- LARGE WOOD BANK REVETMENT

DESIGN LINES
TREATMENT
- BOULDER TOE PROTECTION
- DROP STRUCTURE
- SETBACK RIPRAP
- CENTER LINE BUFFER

DESIGN AREAS
TREATMENT
- HIGH BENCH
- LANDOWNER ACCESS
- LOW BENCH
- OVERFLOW CHANNEL

20'
10'
0'
0' 50' 100'
1"=100'

SUBREACH 1
NO GRADING PROPOSED

SUBREACH 2
NO GRADING PROPOSED

SUBREACH 3
NO GRADING PROPOSED

EXISTING GROUND

6460
6440
6420
6400
6380

14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00

30%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
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DESIGNED:	CAD:	CHECKED:	DATE:

JAMES STREAM
PLAN AND PROFILE
(2 OF 5)

PROJECT NO: | SHEET NO:

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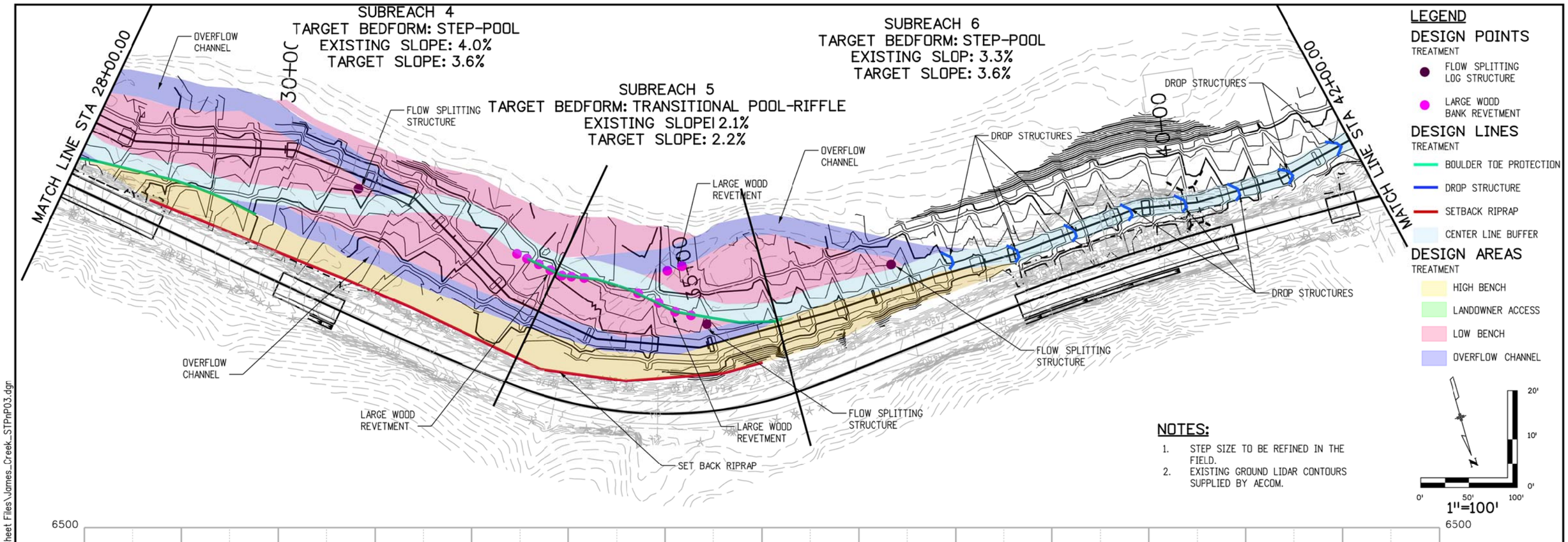

30%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

LEFTHAND WATERSHED OVERSIGHT GROUP

DESIGNED:	CAD:	CHECKED:	DATE:

JAMES STREAM
PLAN AND PROFILE
(3 OF 5)

PROJECT NO:

SHEET NO:

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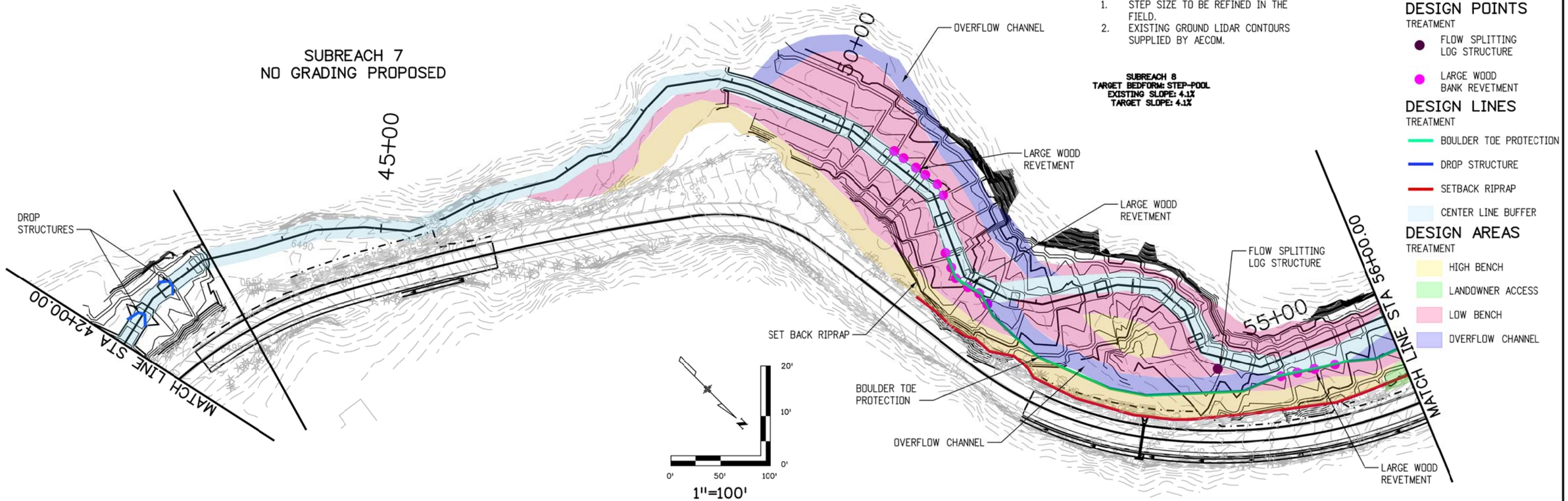


NOTES:

1. STEP SIZE TO BE REFINED IN THE FIELD.
2. EXISTING GROUND LIDAR CONTOURS SUPPLIED BY AECOM.

LEGEND

DESIGN POINTS

TREATMENT

- FLOW SPLITTING LOG STRUCTURE
- LARGE WOOD BANK REVETMENT

DESIGN LINES

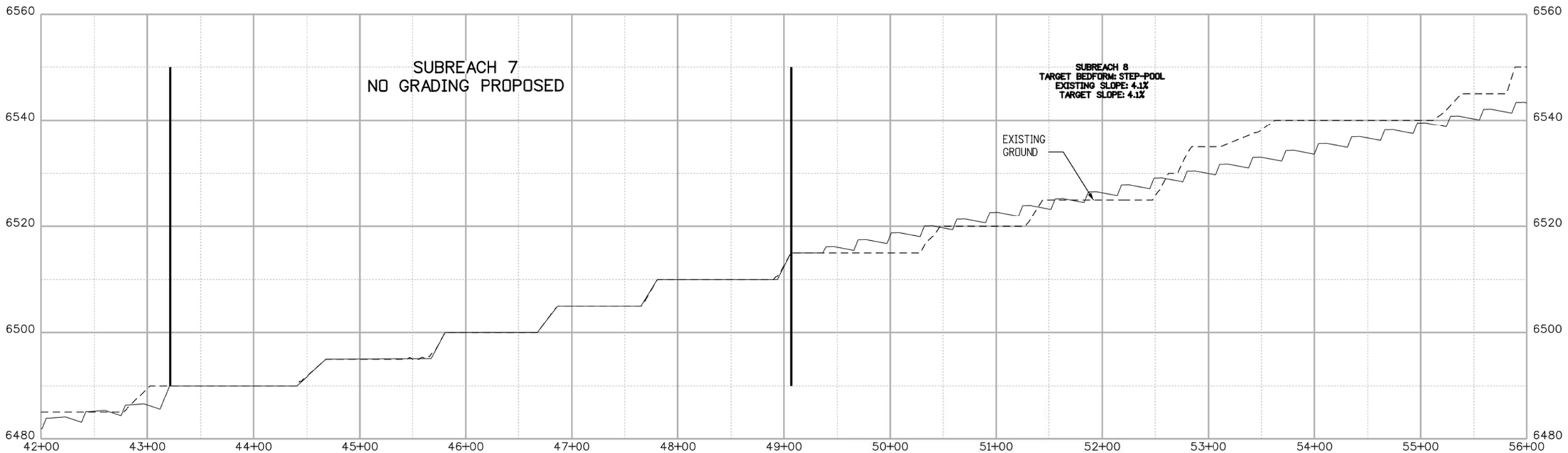
TREATMENT

- BOULDER TOE PROTECTION
- DROP STRUCTURE
- SETBACK RIPRAP
- CENTER LINE BUFFER

DESIGN AREAS

TREATMENT

- HIGH BENCH
- LANDOWNER ACCESS
- LOW BENCH
- OVERFLOW CHANNEL



30%

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LEFTHAND WATERSHED OVERSIGHT GROUP

DESIGNED:	CAD:	CHECKED:	DATE:

JAMES STREAM PLAN AND PROFILE (4 OF 5)

PROJECT NO: | SHEET NO:

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SUBREACH 8
TARGET BEDFORM: STEP-POOL
EXISTING SLOPE: 4.1%
TARGET SLOPE: 4.1%

SUBREACH 9
TARGET BEDFORM: TRANSITIONAL POOL-RIFFLE
EXISTING SLOPE: 2.5%
TARGET SLOPE: 2.6%

MATCH LINE STA 56+00.00

60+00

65+00

69+41

OVERFLOW CHANNEL

OVERFLOW CHANNEL

LARGE WOOD REVETMENT

FLOW SPLITTING STRUCTURE

UPSTREAM PROJECT EXTENT

SET BACK RIPRAP

LEGEND

DESIGN POINTS
TREATMENT
- FLOW SPLITTING LOG STRUCTURE
- LARGE WOOD BANK REVETMENT

DESIGN LINES
TREATMENT
- BOULDER TOE PROTECTION
- DROP STRUCTURE
- SETBACK RIPRAP
- CENTER LINE BUFFER

DESIGN AREAS
TREATMENT
- HIGH BENCH
- LANDOWNER ACCESS
- LOW BENCH
- OVERFLOW CHANNEL

NOTES:

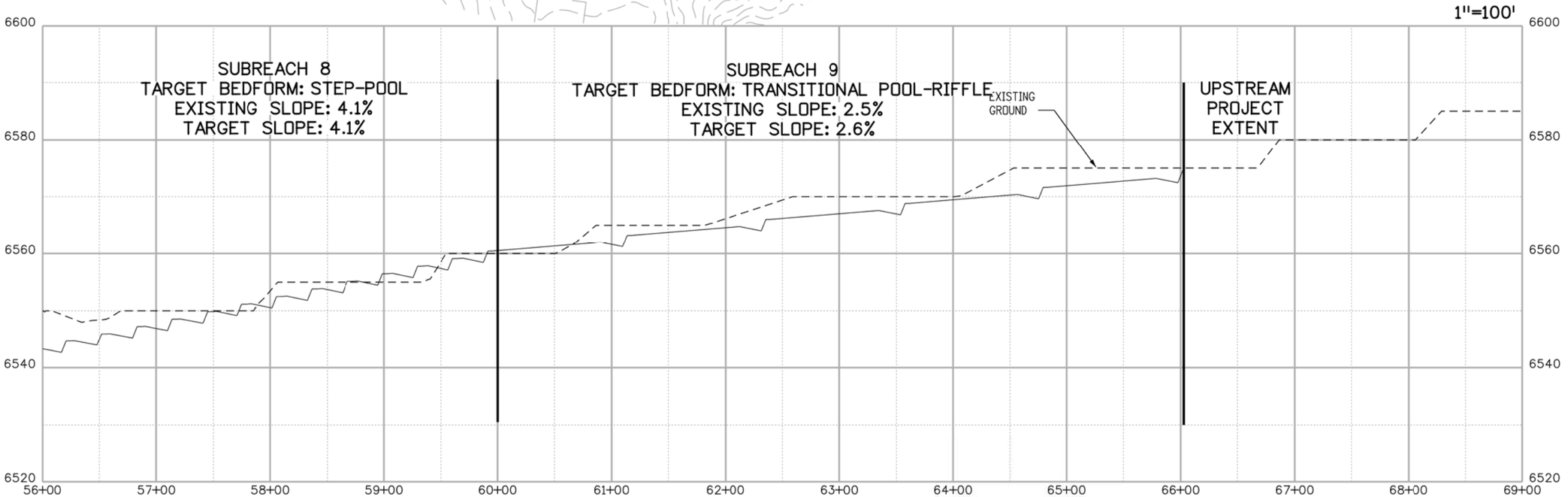
1. STEP SIZE TO BE REFINED IN THE FIELD.
2. EXISTING GROUND LIDAR CONTOURS SUPPLIED BY AECOM.

N

0' 50' 100'

20'
10'
0'

1"=100'



30%

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REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

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LEFTHAND WATERSHED OVERSIGHT GROUP

DESIGNED:	CAD:	CHECKED:	DATE:

JAMES STREAM
PLAN AND PROFILE
(5 OF 5)

PROJECT NO: | SHEET NO:

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