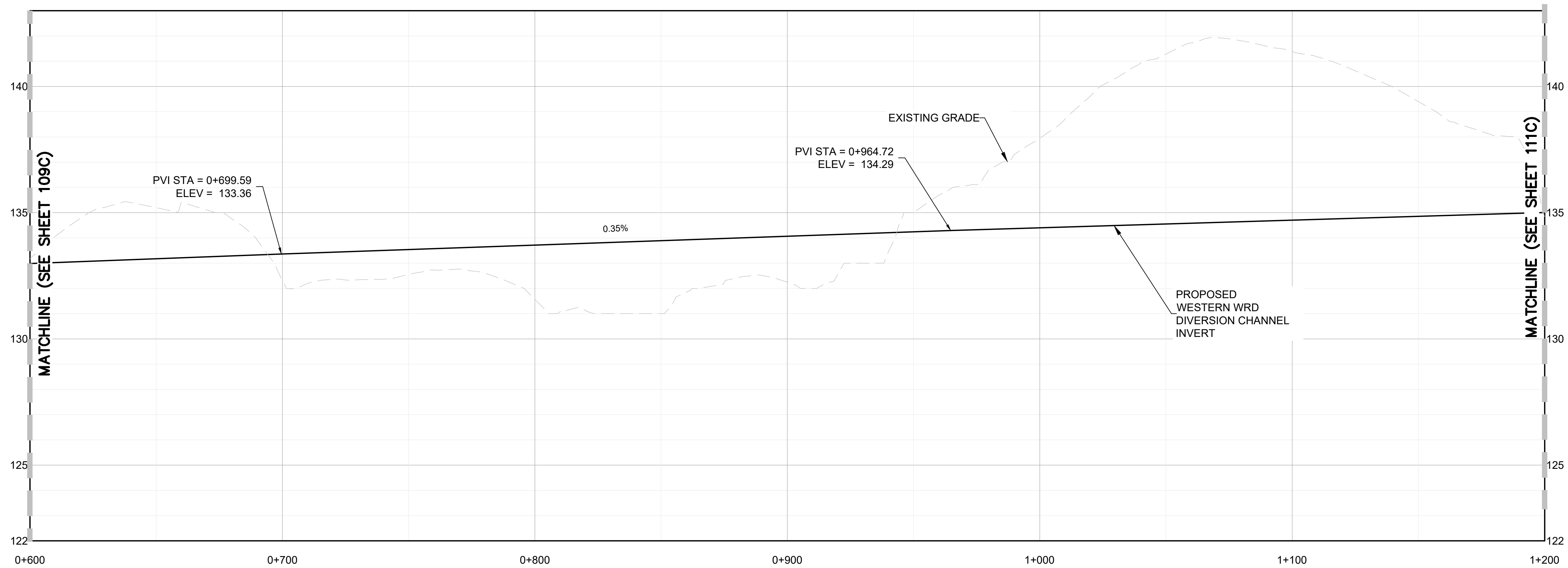
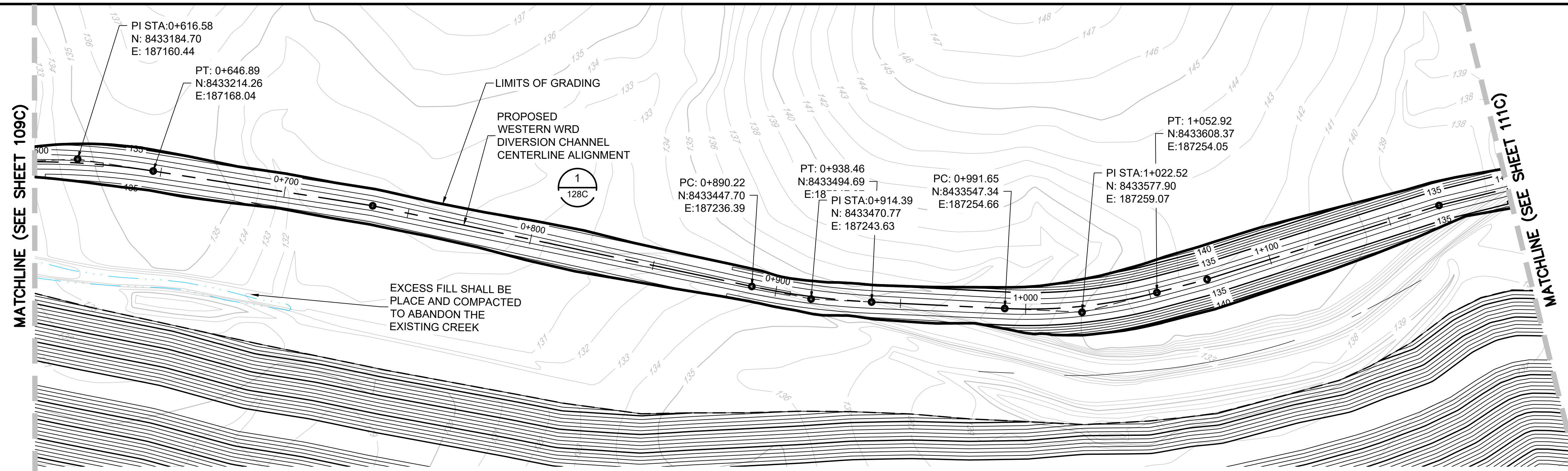
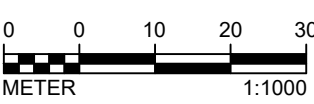


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**SURFACE WATER MANAGEMENT PLAN
PROPOSED WESTERN WRD DIVERSION
CHANNEL PLAN AND PROFILE
STA 06+000 TO 1+200**

Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN
Project no.: 200-01299-21007

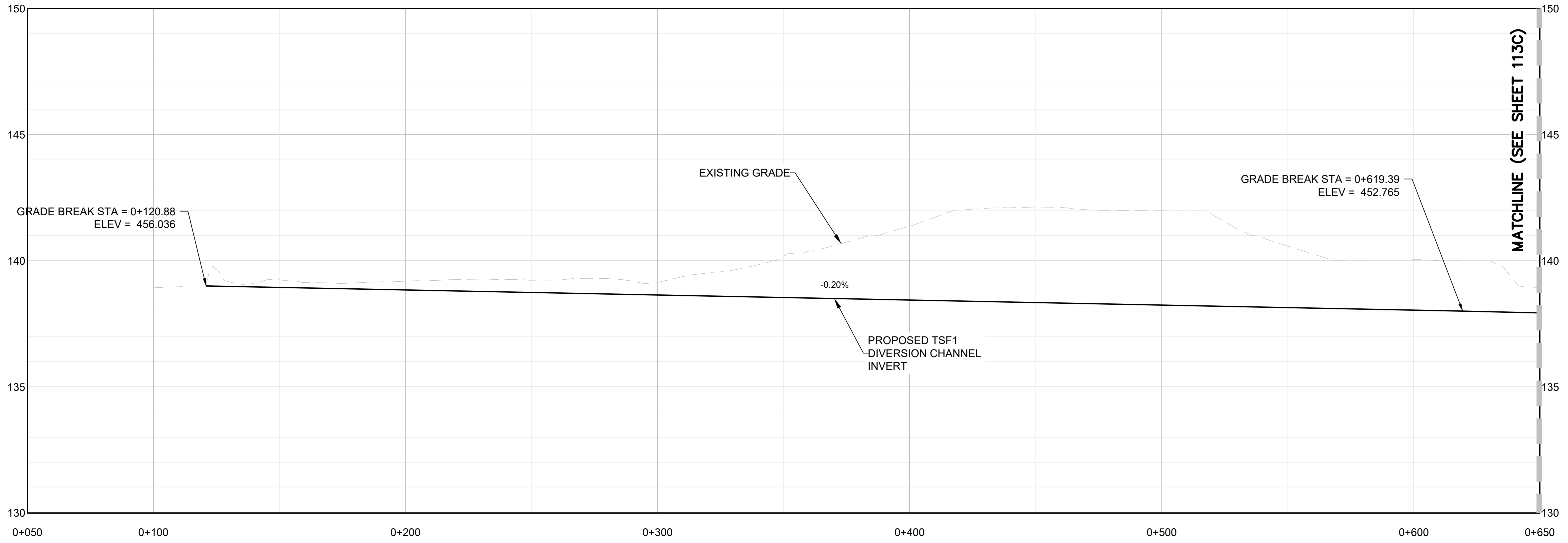
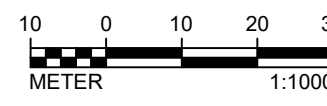
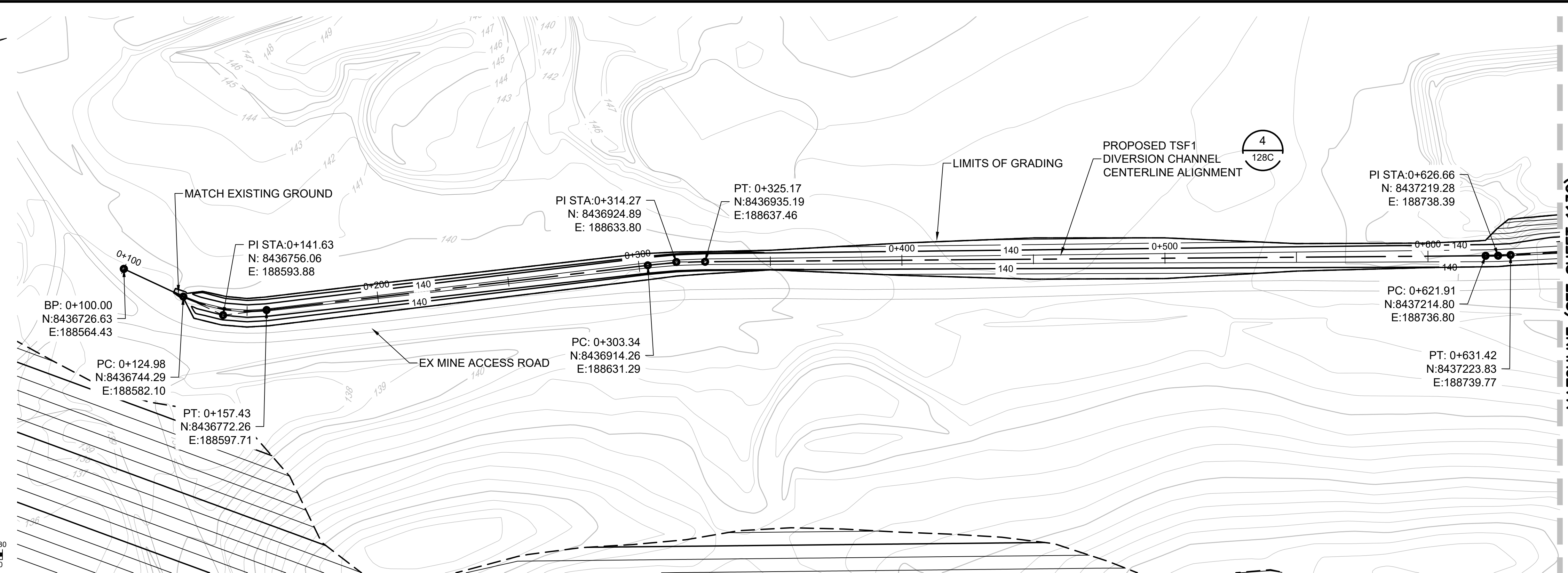
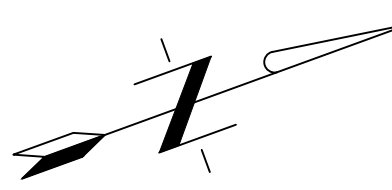
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Date: 12/16/2021

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SHEET 11 OF 34

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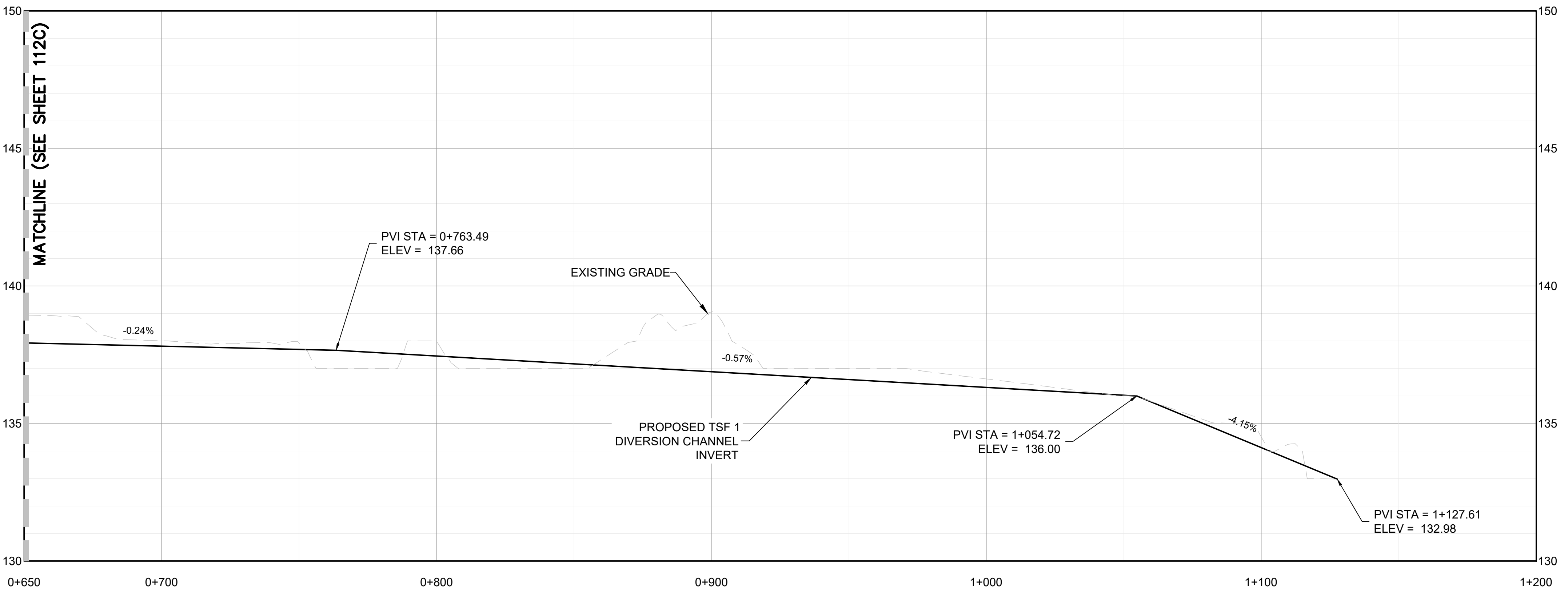
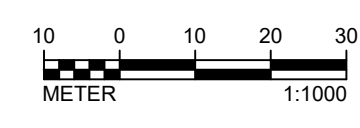
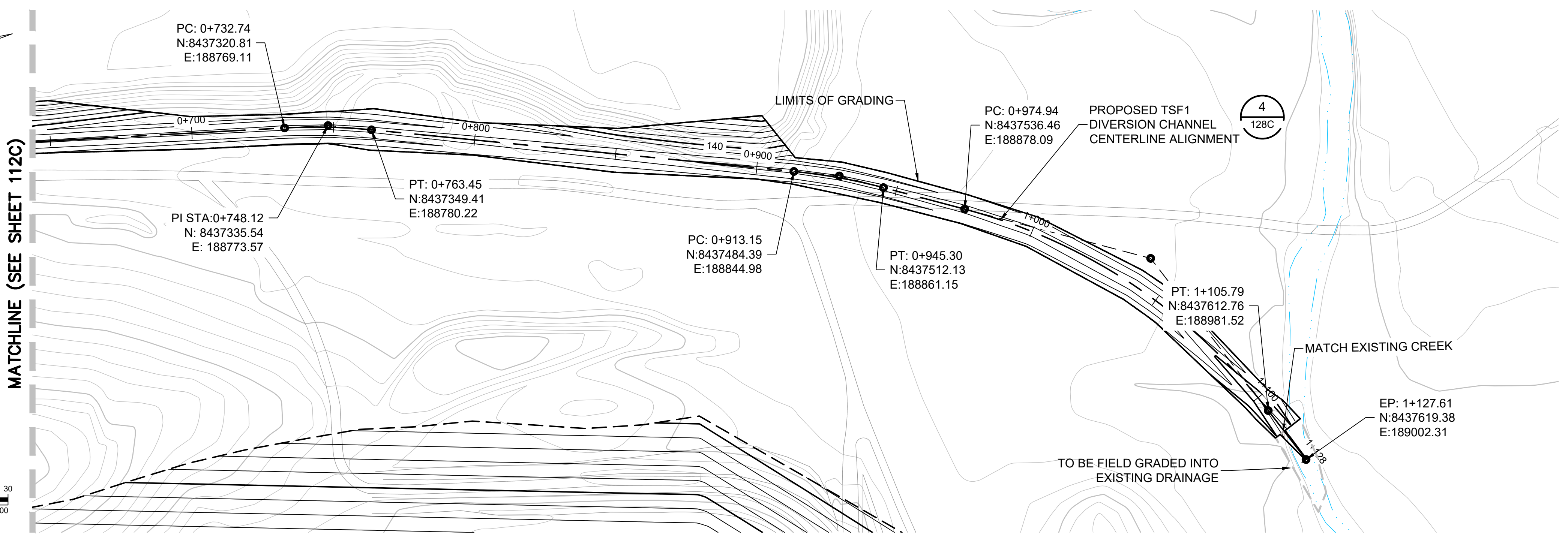
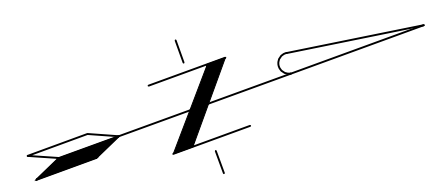
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(303) 217-5700 (303) 217-5705 fax

**SURFACE WATER MANAGEMENT PLAN
PROPOSED TSF1 DIVERSION CHANNEL
PLAN AND PROFILE
STA 0+100 TO 0+650**



Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN
Project no.: 200-01299-21007
Location: NORTHERN TERRITORY, AUSTRALIA
Date: 12/16/2021

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SHEET 13 OF 34



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| △ | PRELIMINARY DESIGN ISSUED FOR REVIEW | JC | 05/12/2017 |
| △ | PRELIMINARY DESIGN | CC | 04/21/2017 |

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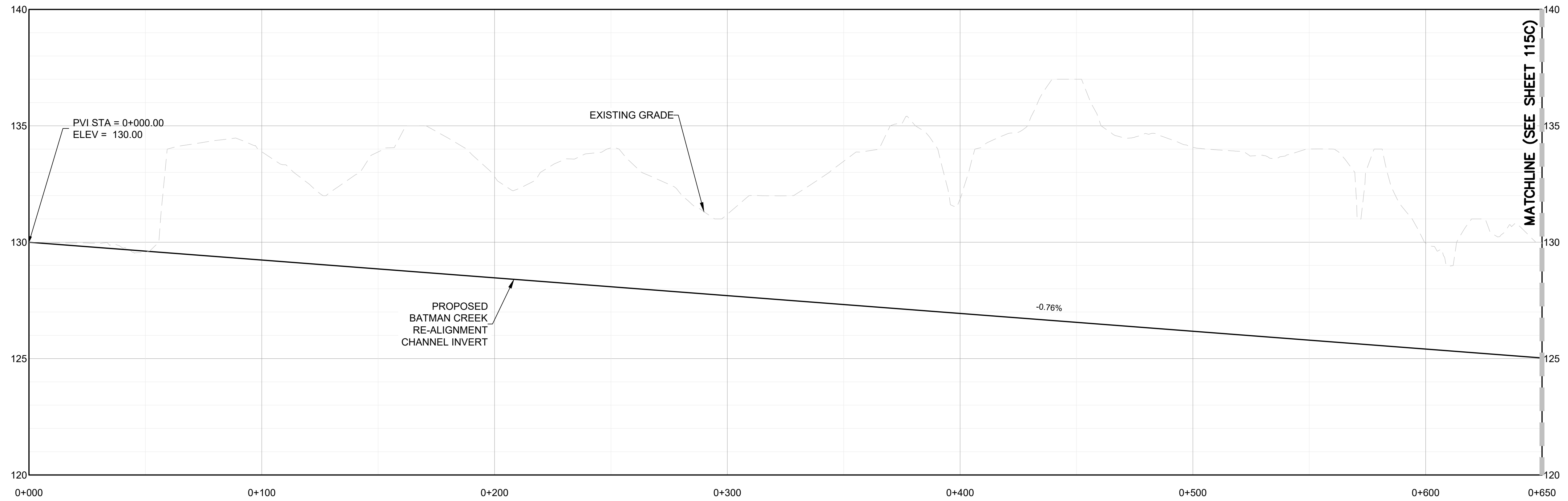
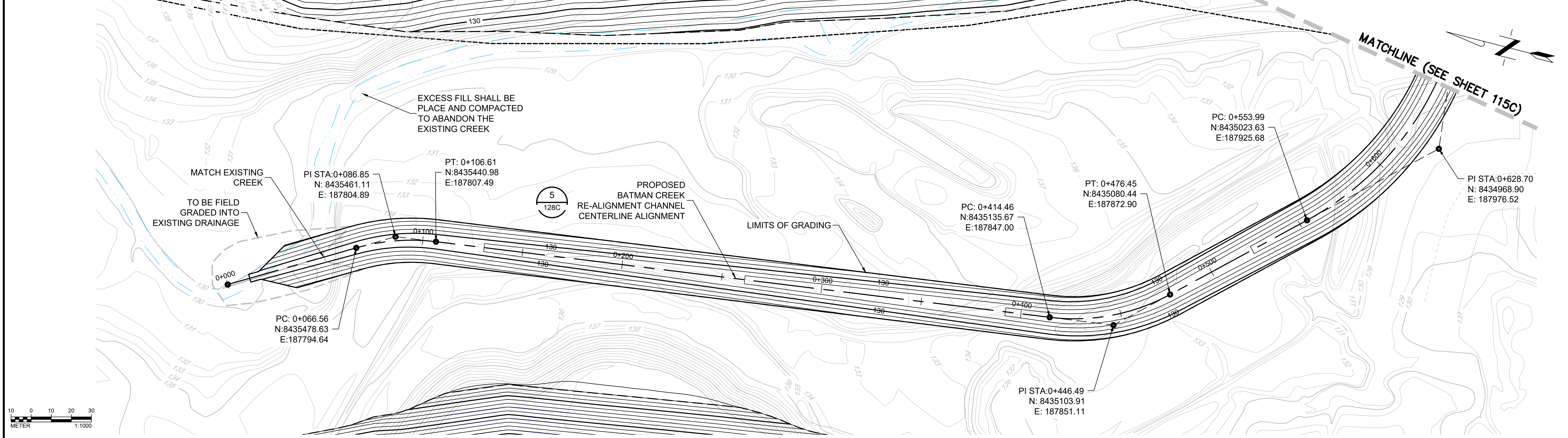
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**SURFACE WATE MANAGEMENT PLAN
 PROPOSED TSF1 DIVERSION CHANNEL
 PLAN AND PROFILE
 STA 0+650 TO 1+127.61**



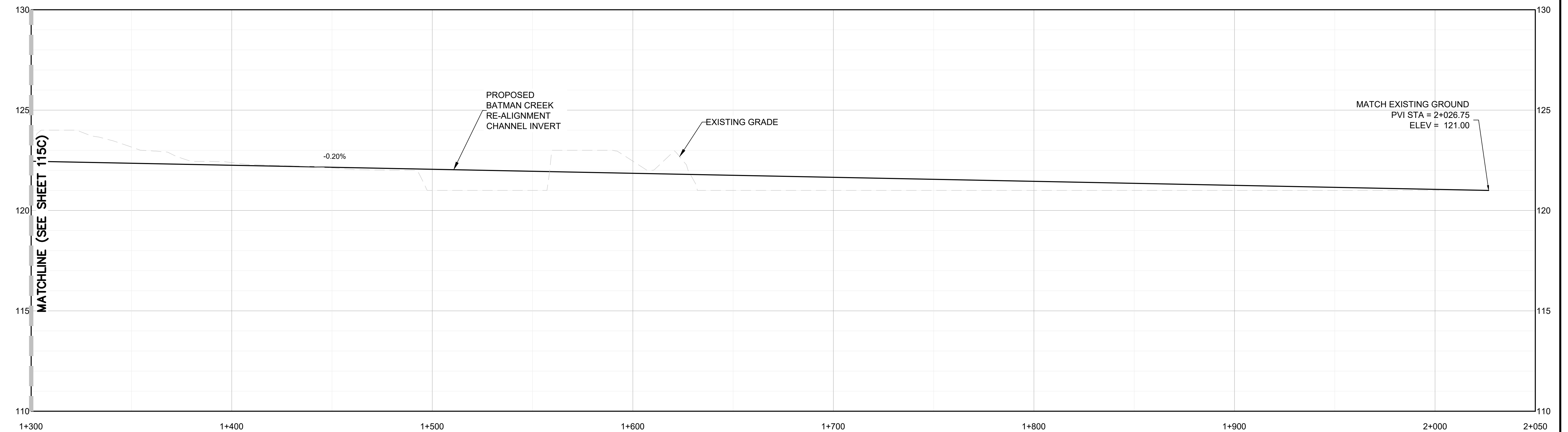
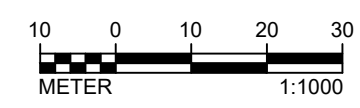
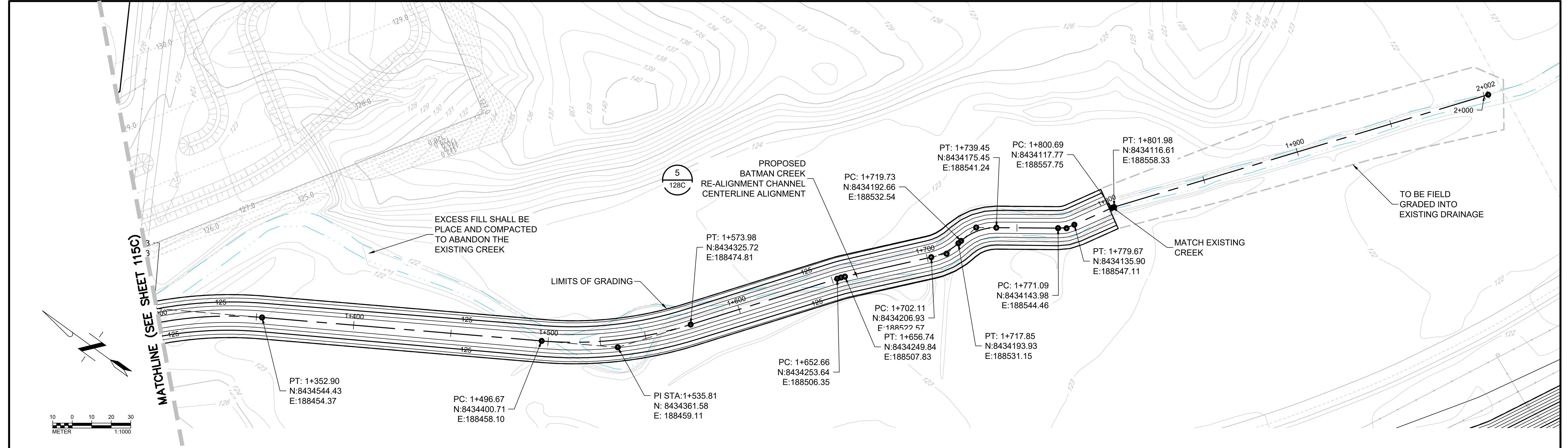
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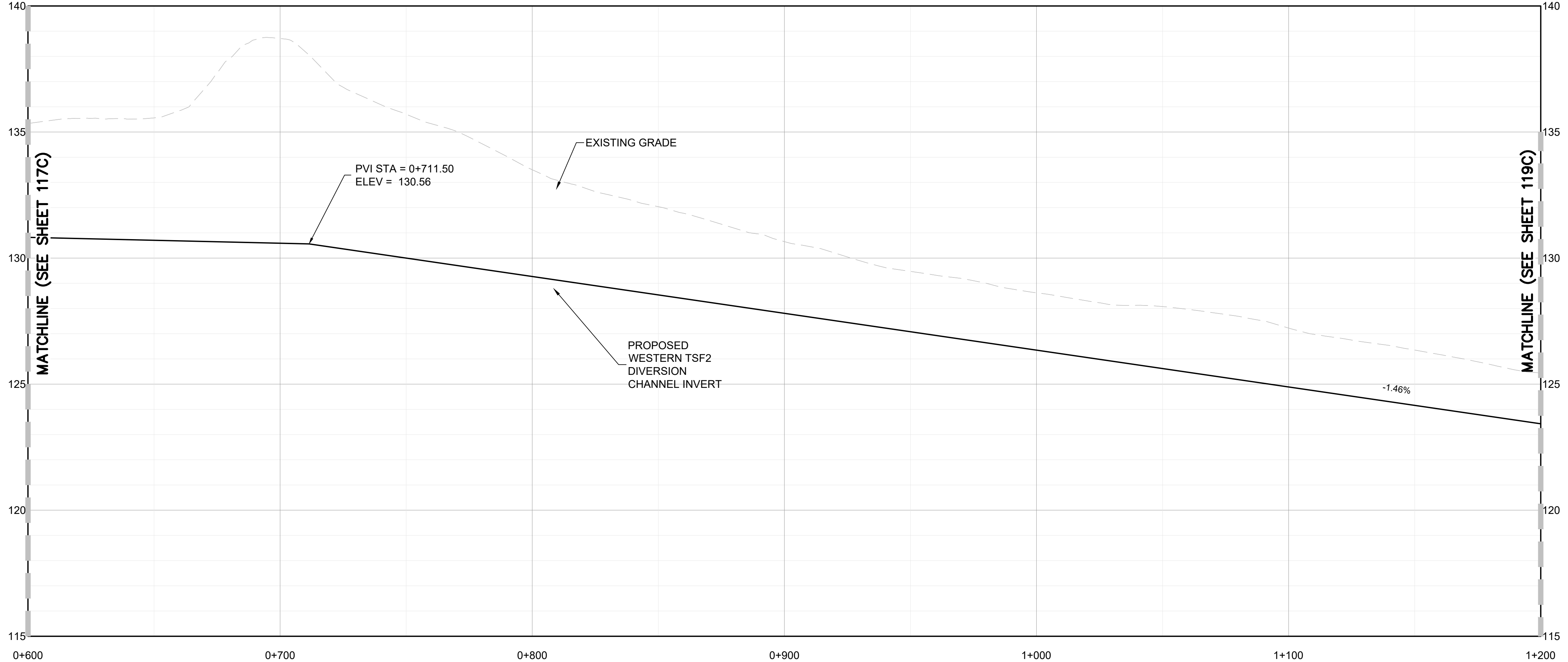
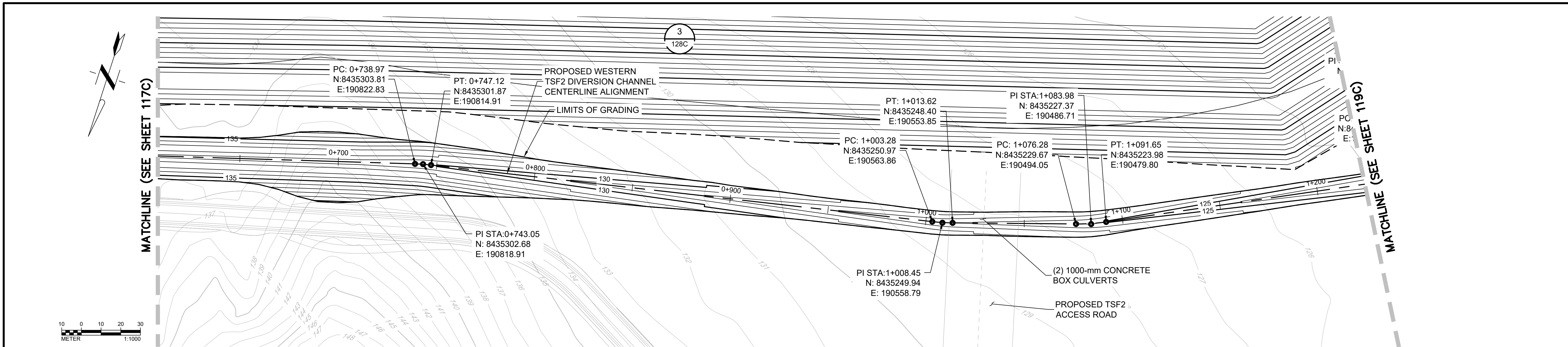
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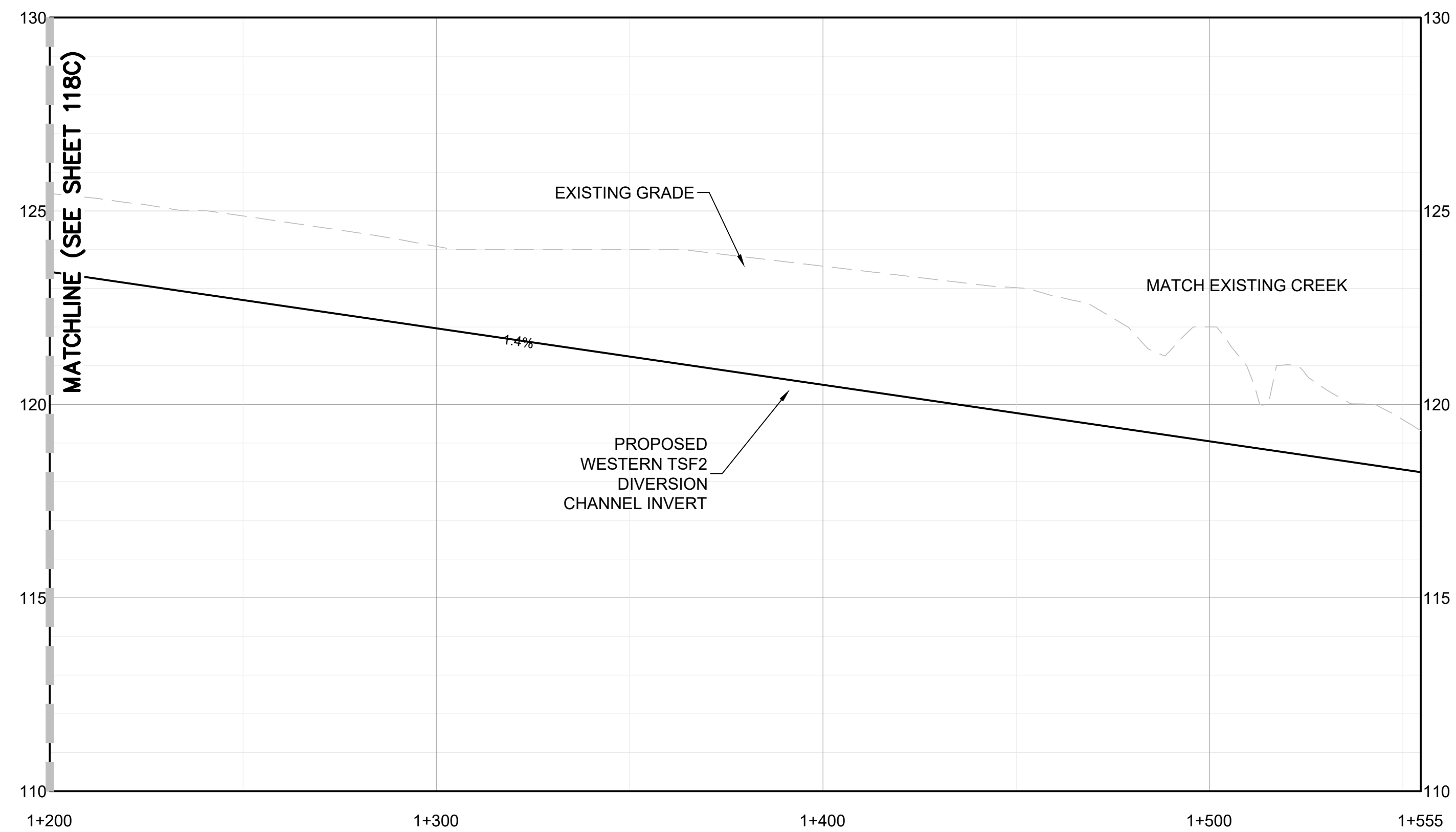
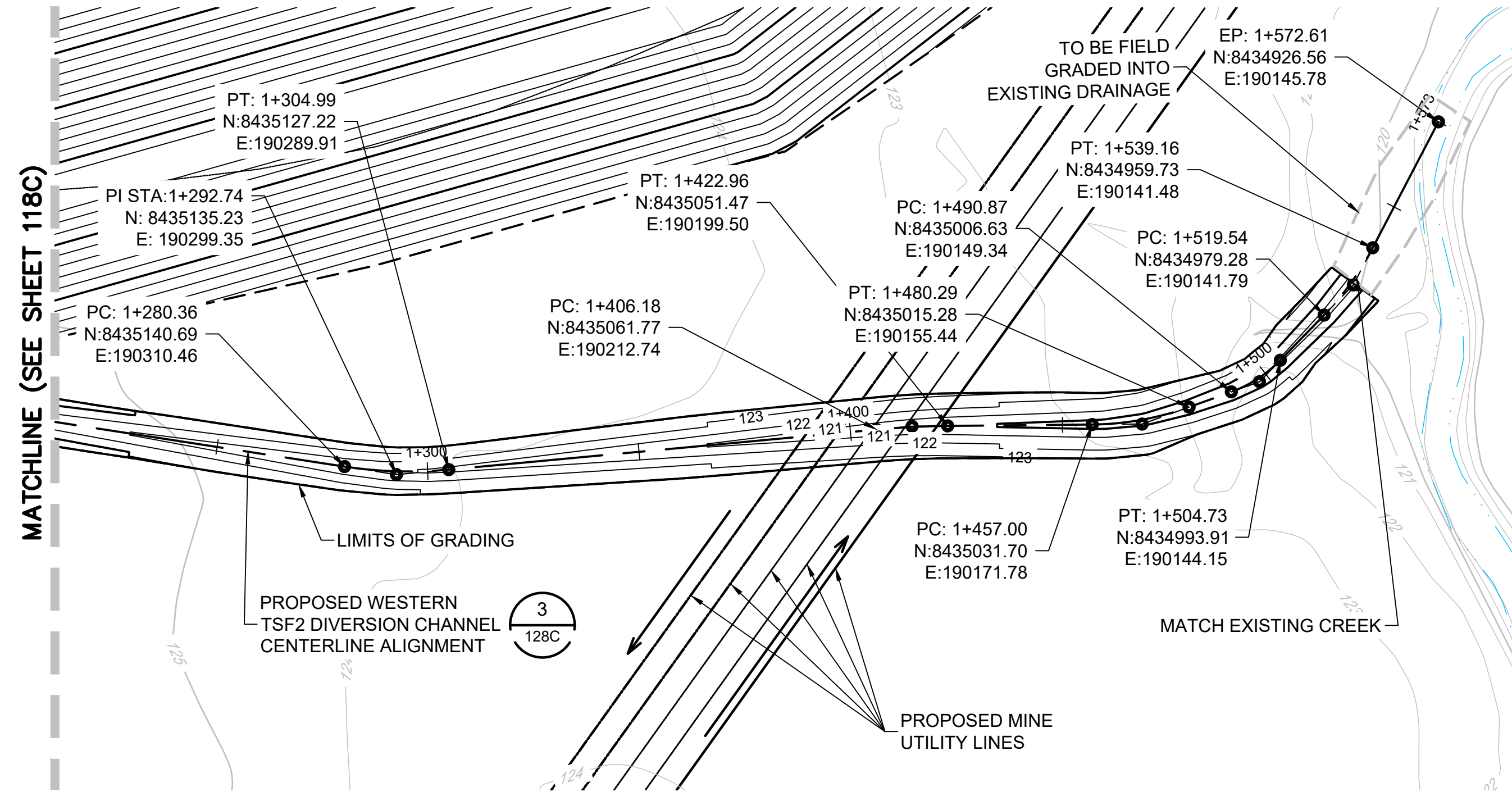
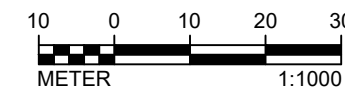
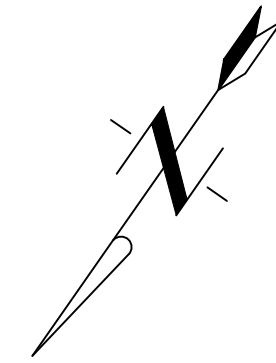
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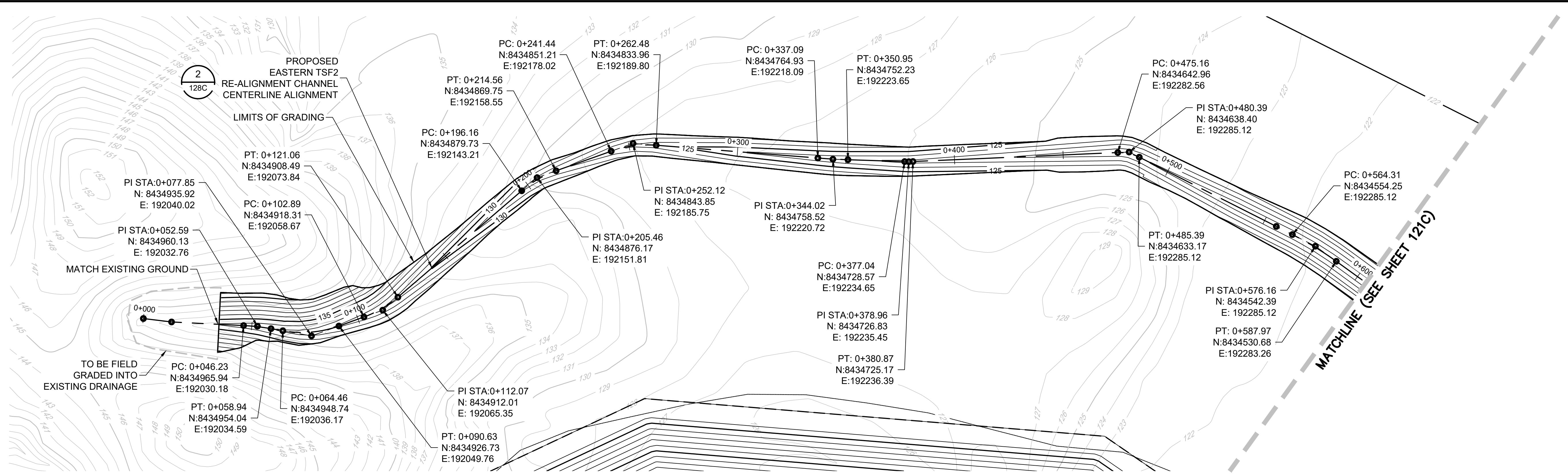
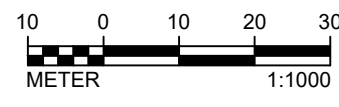
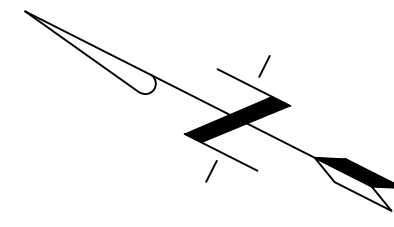
**SURFACE WATER MANAGEMENT PLAN
PROPOSED WESTERN TSF2 DIVERSION
CHANNEL PLAN AND PROFILE
STA 1+200 TO 1+555**



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| Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: 200-01299-21007 | 4520-DC-119C |
| Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 | |

4520-DC-119C
SHEET
20 OF 34

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| Rev | Description | BY | Date |
|-------------|--------------------------|----|------------|
| 2021 | FEASIBILITY STUDY | VH | 12/16/2021 |
| ADDRESS | 08/2017 CLIENT COMMENTS | DF | 11/03/2017 |
| PRELIMINARY | DESIGN ISSUED FOR REVIEW | JC | 05/12/2017 |
| PRELIMINARY | DESIGN | CC | 04/21/2017 |

Scale: AS SHOWN
 Designed by: CC
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 Approved by: VS

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VISTA GOLD

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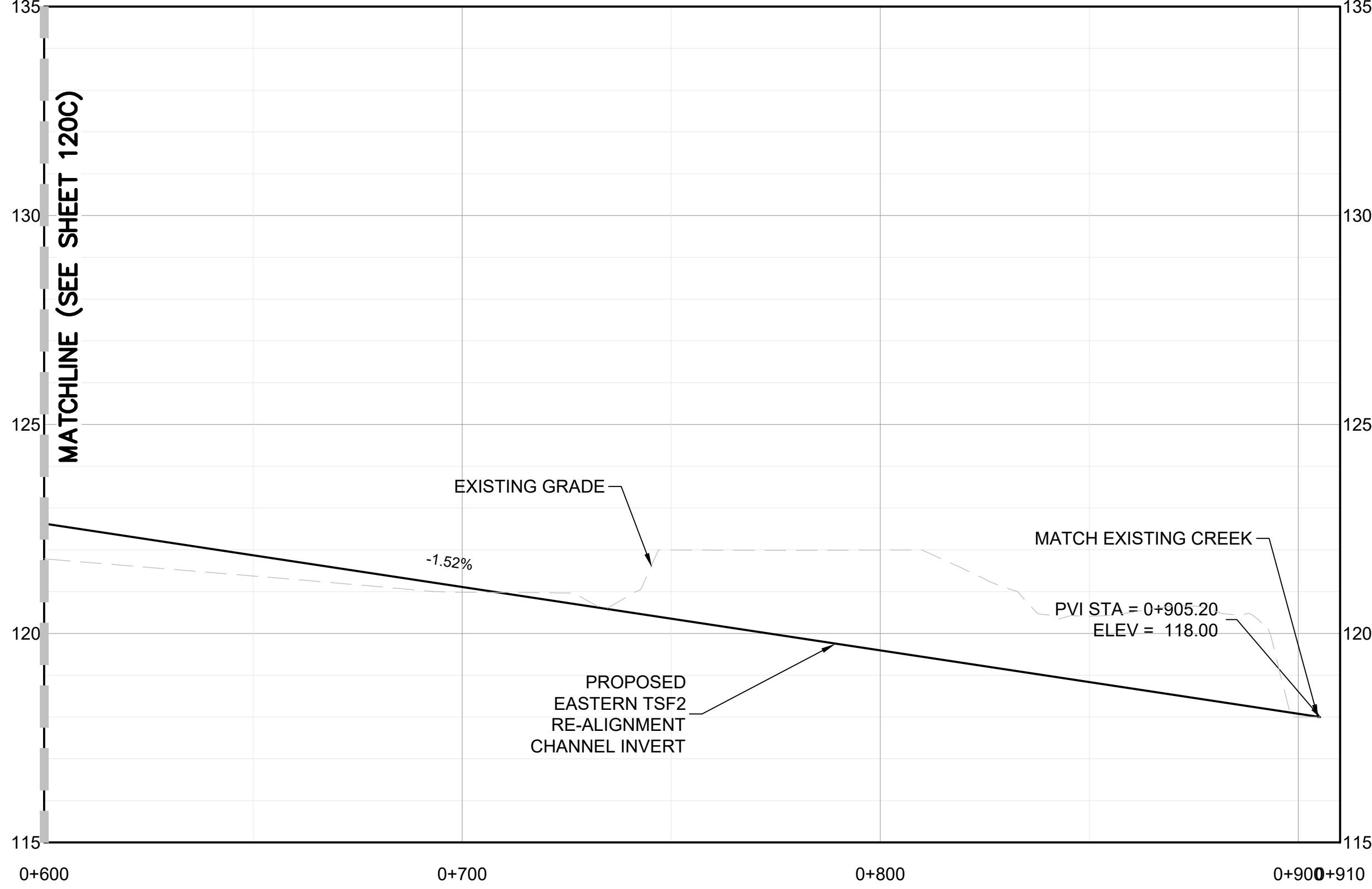
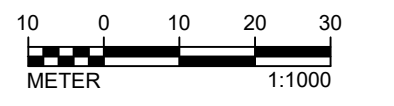
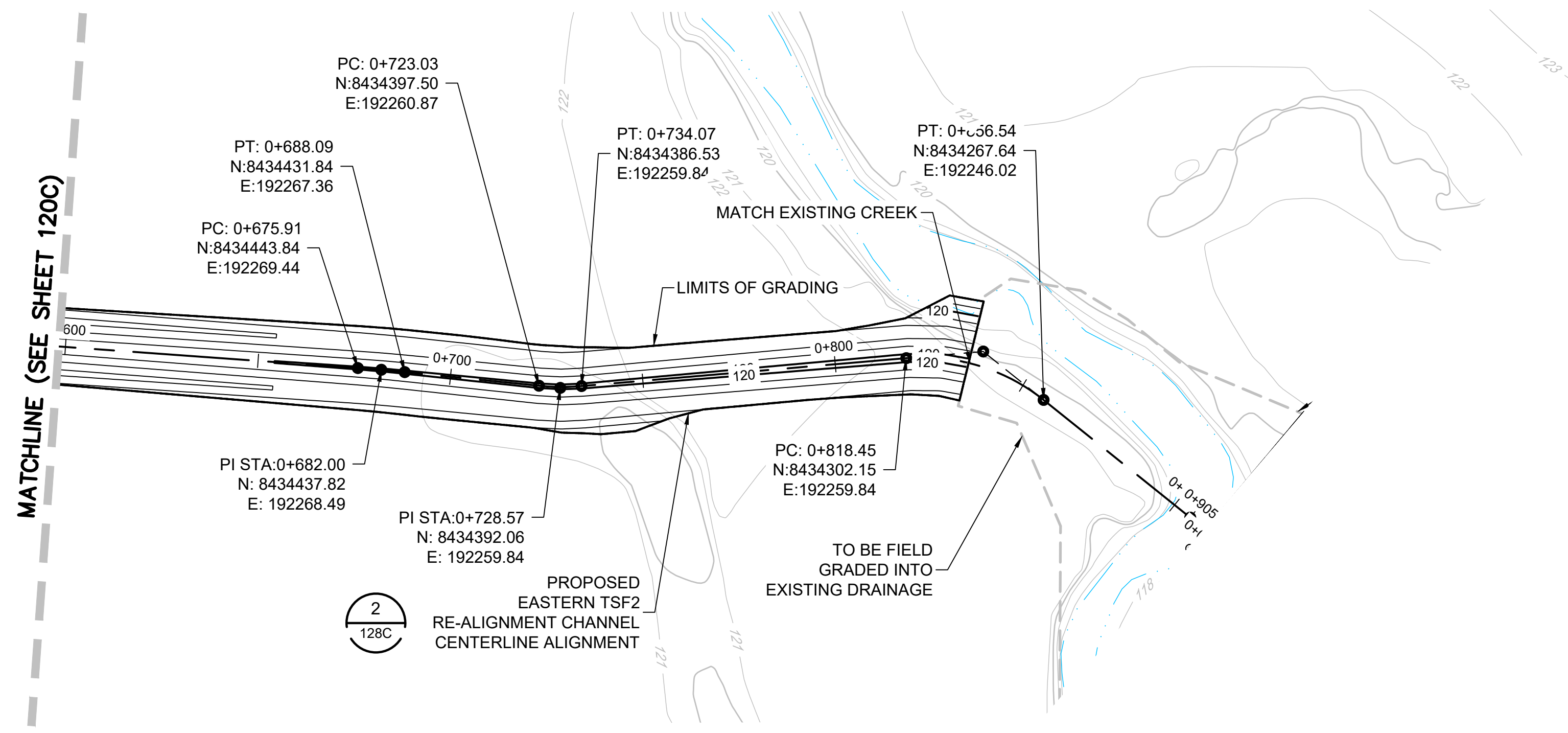
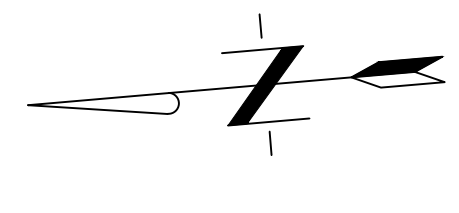
TETRA TECH
 350 Indiana Street, Suite 500
 Golden, Colorado 80401
 (303) 217-5700 (303) 217-5705 fax

**SURFACE WATER MANAGEMENT PLAN
 PROPOSED EASTERN TSF2 RE-ALIGNMENT
 CHANNEL PLAN AND PROFILE
 STA 0+000 TO 0+600**

| | | |
|---|---------------------------------|--|
| Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: 200-01299-21007 | 4520-DC-120C SHEET 21 OF 34 |
| Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 | |



REVISION



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| Rev | Description | BY | Date |
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| 2021 FEASIBILITY STUDY | VH | 12/16/2021 | |
| ADDRESSED 08/2017 CLIENT COMMENTS | DF | 11/03/2017 | |
| PRELIMINARY DESIGN ISSUED FOR REVIEW | JC | 05/12/2017 | |
| PRELIMINARY DESIGN | CC | 04/21/2017 | |

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PRELIMINARY DRAWING

NOT ISSUED FOR CONSTRUCTION

| Rev | Description | BY | Date |
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Designed by: CC
 Drawn by: VH
 Checked by: VS
 Approved by: VS

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 Golden, Colorado 80401
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**SURFACE WATER MANAGMENT PLAN
 PROPOSED EASTERN TSF2 RE-ALIGNMENT
 CHANNEL PLAN AND PROFILE
 STA 0+600 TO 0+905**

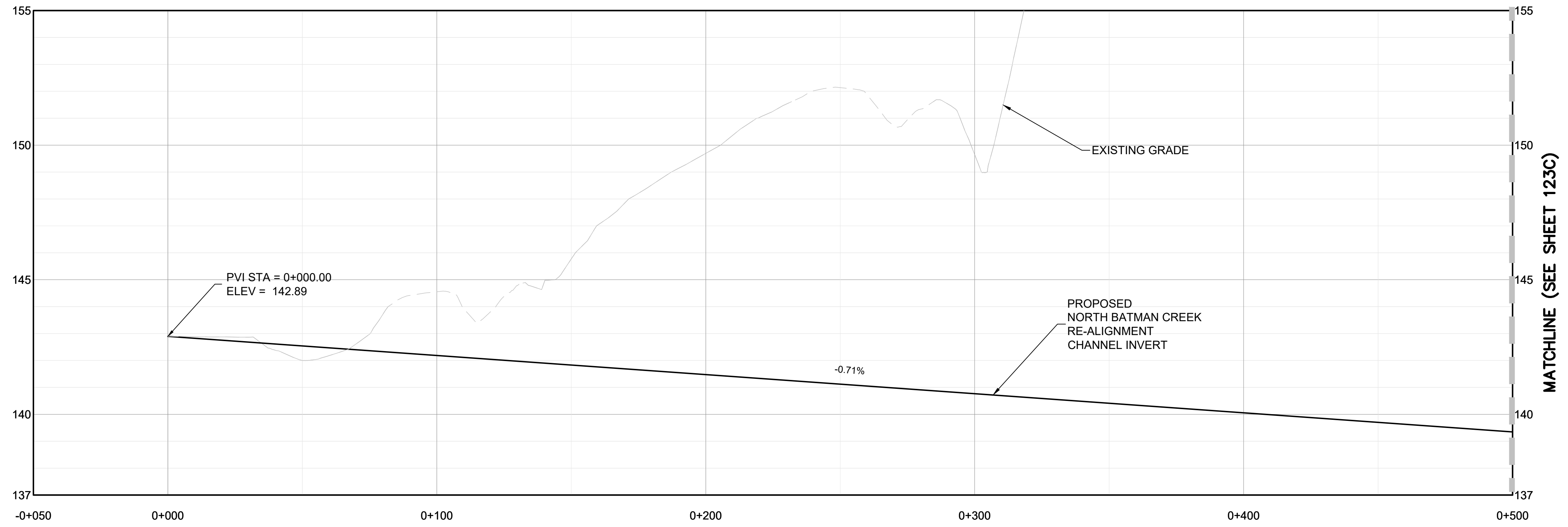
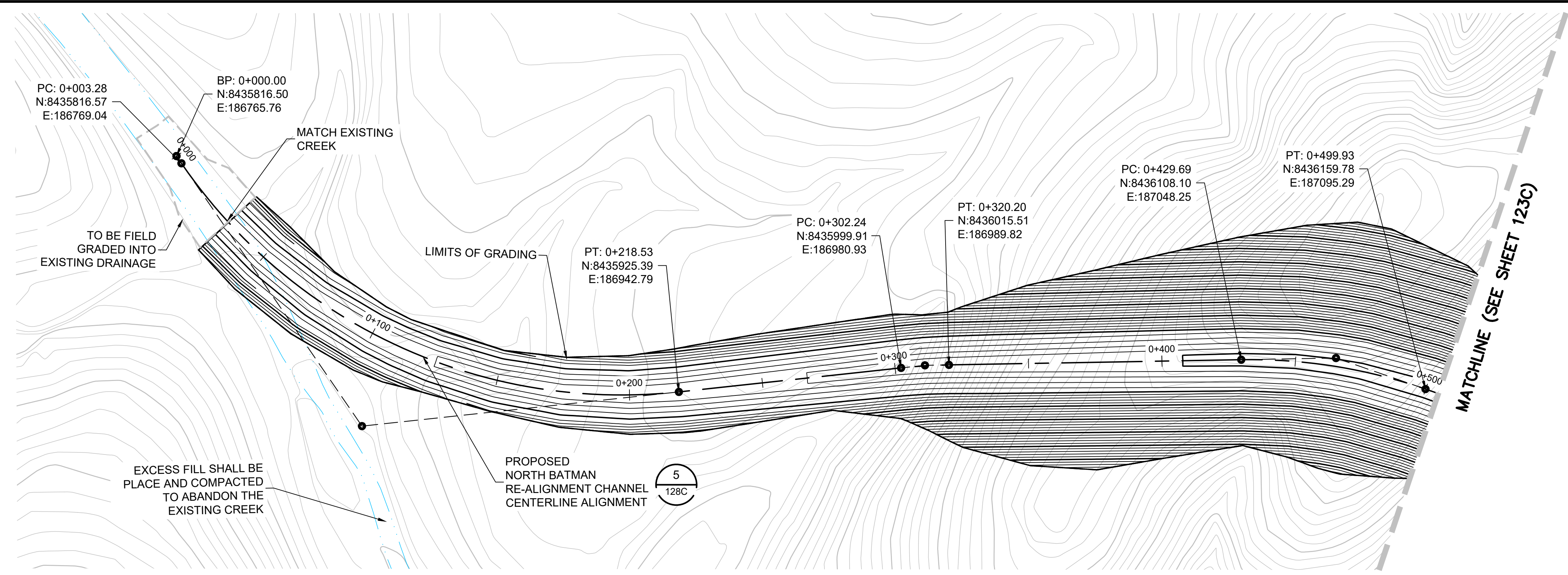
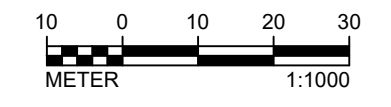
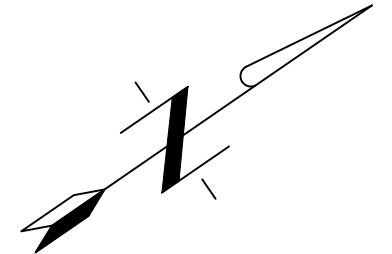
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 DRAINAGE DESIGN**

Project no.: 200-01299-21007

4520-DC-121C

SHEET 22 OF 34





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| | | △ | △ | △ | △ | Drawn by: VH | TETRA TECH <small>350 Indiana Street, Suite 500 Golden, Colorado 80401 (303) 217-5700 (303) 217-5705 fax</small> | SURFACE WATER MANAGEMENT PLAN PROPOSED NORTH BATMAN CREEK CHANNEL PLAN AND PROFILE STA 0+00 TO 5+00 | |
| | | △ | △ | △ | Checked by: VS | VISTA GOLD | | | Project: |
| | | △ | △ | △ | Approved by: VS | | | | Location: |
| REFERENCE | REVISIONS | △ | △ | △ | △ | Date: | Project no.: | SHEET | |
| | Rev | Description | BY | Date | Date: | Project no.: | Project no.: | 23 OF 34 | |
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| | | NOT USED | DF | 11/03/2017 | 05/12/2017 | Date: | Date: | SHEET | |
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| | | NOT USED | CC | 04/21/2017 | <small>THE CONTENT OF THIS DOCUMENT IS NOT INTENDED FOR THE USE OF, NOR IS IT INTENDED TO BE RELIED UPON BY ANY PERSON, FIRM OR CORPORATION OTHER THAN THE CLIENT AND TETRA TECH. TETRA TECH DENIES ANY LIABILITY WHATSOEVER TO OTHER PARTIES FOR DAMAGES OR INJURY SUFFERED BY SUCH THIRD PARTY ARISING FROM THE USE OF THIS DOCUMENT BY THEM, WITHOUT THE EXPRESSED WRITTEN AUTHORITY OF TETRA TECH AND OUR CLIENT. THIS DOCUMENT IS SUBJECT TO FURTHER RESTRICTIONS IMPOSED BY THE CONTRACT BETWEEN THE CLIENT AND TETRA TECH AND THESE PARTIES PERMISSION MUST BE SOUGHT REGARDING THIS DOCUMENT IN ALL OTHER CIRCUMSTANCES.</small> | | | | |

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**SURFACE WATER MANAGEMENT PLAN
PROPOSED NORTH BATMAN CREEK
CHANNEL PLAN AND PROFILE
STA 0+00 TO 5+00**

REVISION

Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN

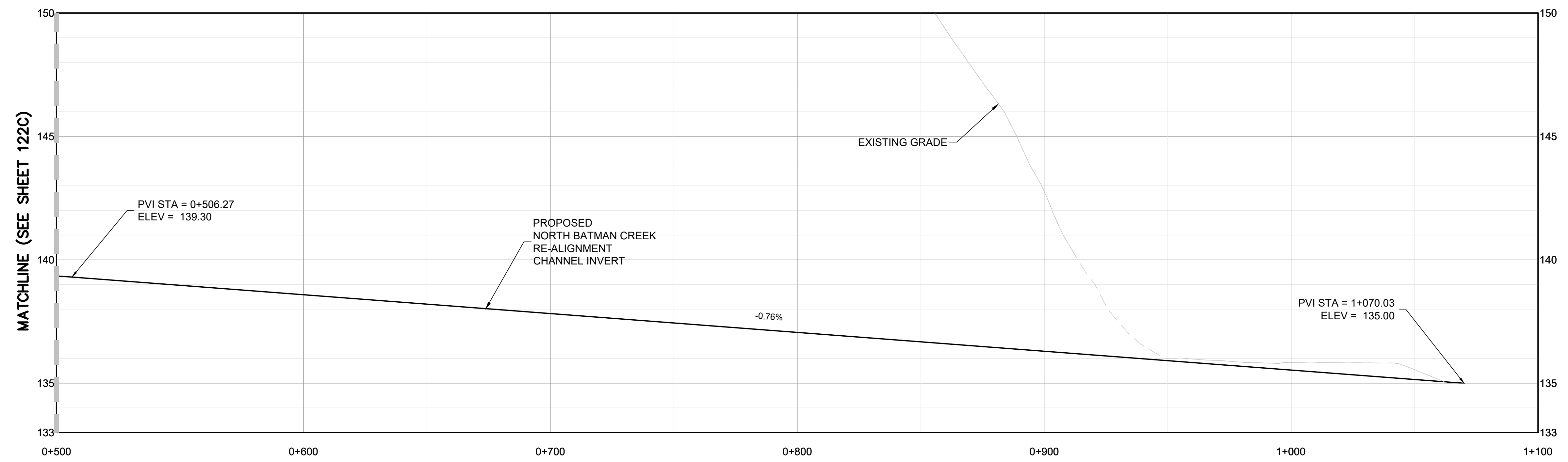
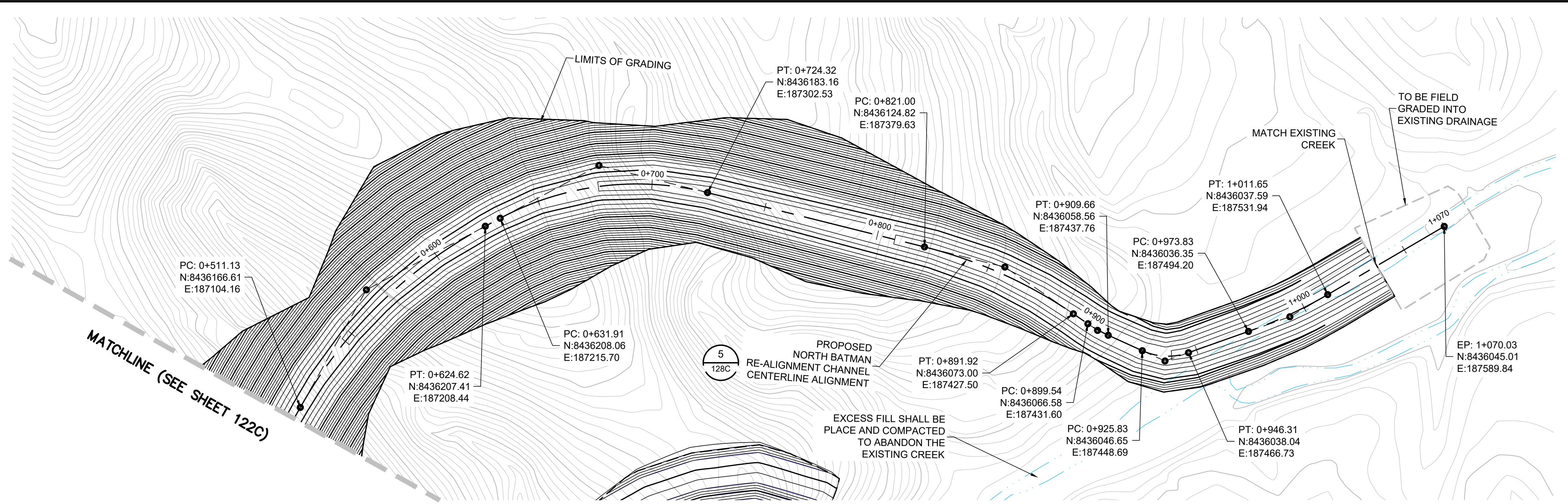
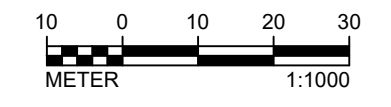
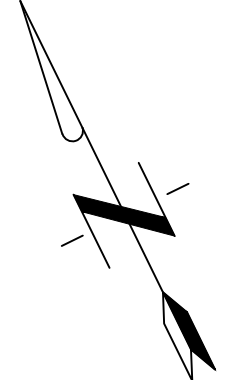
Location: NORTHERN TERRITORY, AUSTRALIA

Project no.: 200-01299-21007

Date: 12/16/2021

4520-DC-122C

SHEET 23 OF 34



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| Rev | Description | BY | Date |
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| △ | 2021 FEASIBILITY STUDY | VH | 12/16/2021 |
| △ | NOT USED | DF | 11/03/2017 |
| △ | NOT USED | JC | 05/12/2017 |
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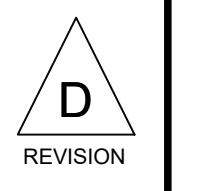
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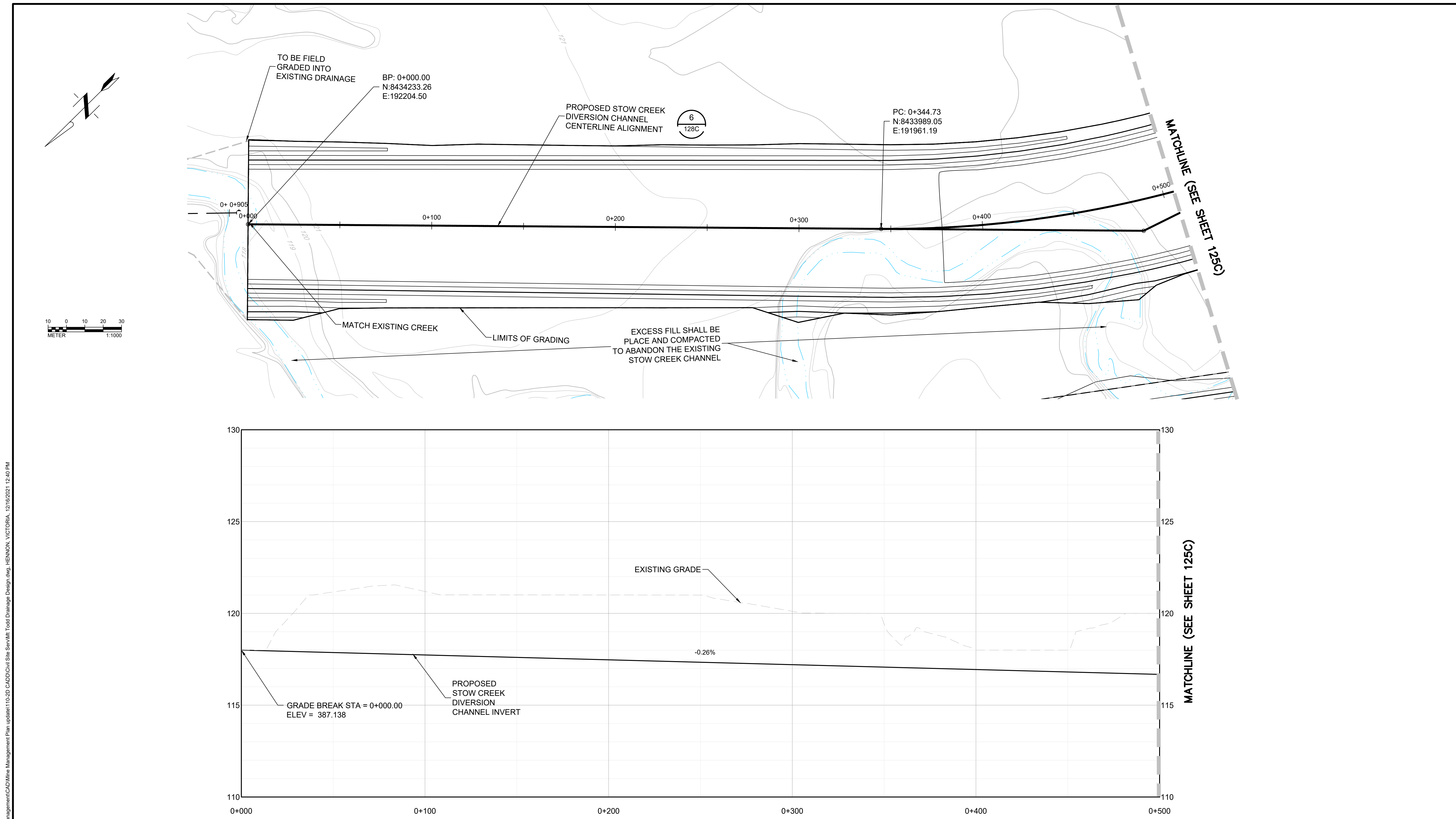


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(303) 217-5700 (303) 217-5705 fax



**SURFACE WATER MANAGEMENT PLAN
PROPOSED NORTH BATMAN CREEK
CHANNEL PLAN AND PROFILE
STA 5+00 TO 10+64.00**

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| Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: 200-01299-21007 | 4520-DC-123C SHEET 24 OF 34 |
| Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 | |



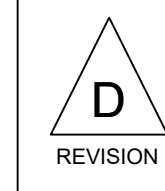


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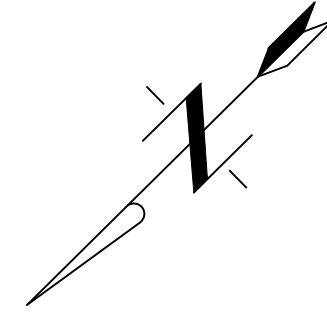
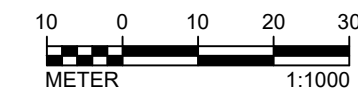
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| | ▲ | 2021 FEASIBILITY STUDY | VH | 12/16/2021 |
| | ▲ | NOT USED | DF | 11/03/2017 |
| | ▲ | NOT USED | JC | 05/12/2017 |
| Rev | Description | BY | Date | |

SURFACE WATER MANAGEMENT PLAN
 PROPOSED STOW CREEK
 CHANNEL PLAN AND PROFILE
 STA 0+00 TO 5+00.00

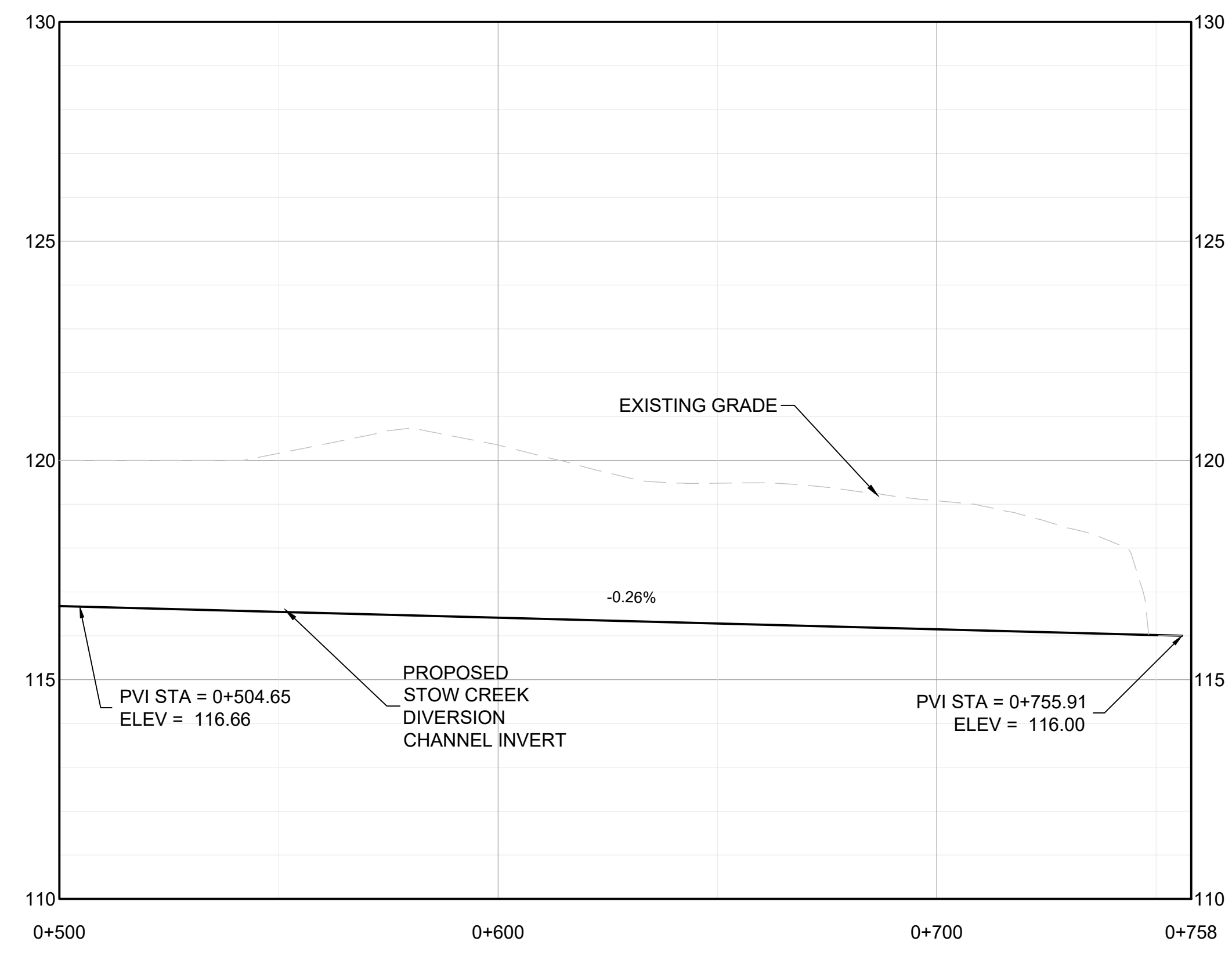
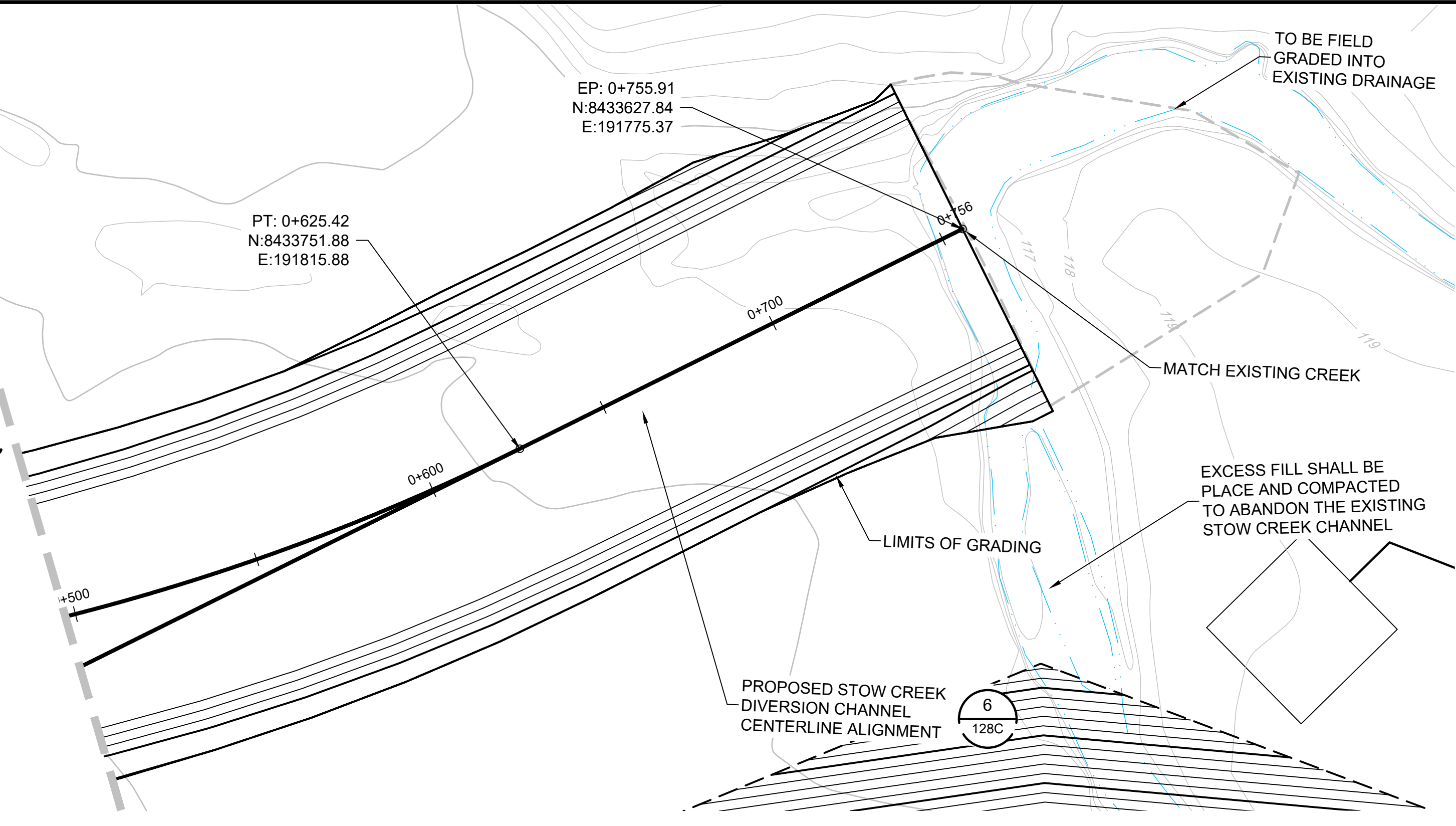
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| Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 | |



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MATCHLINE (SEE SHEET 124C)

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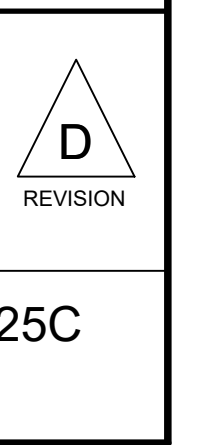


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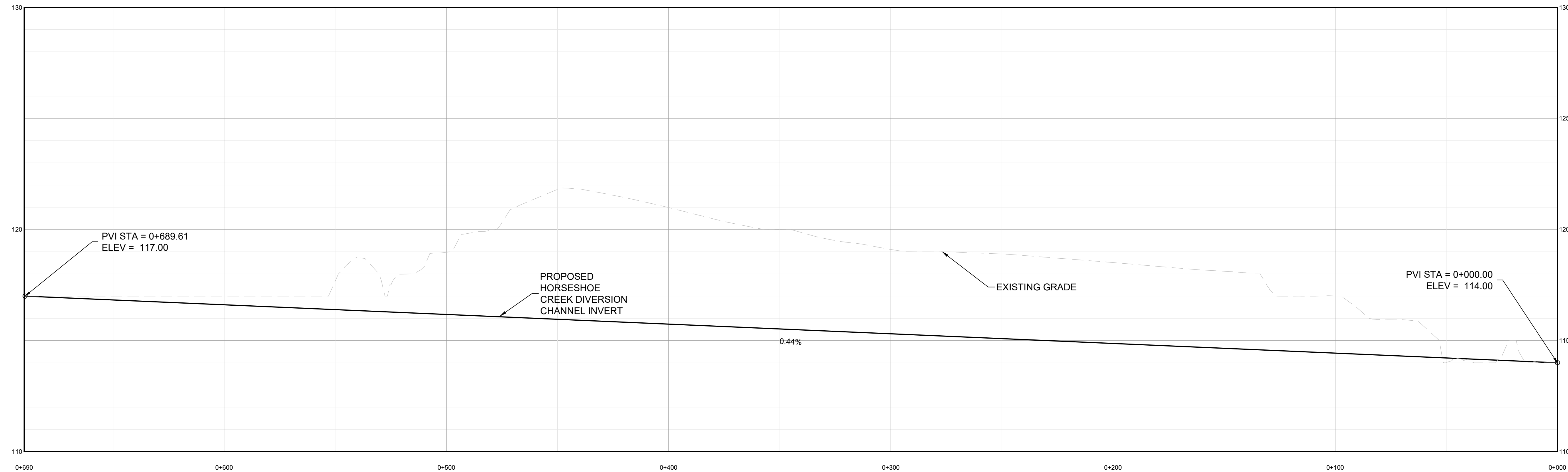
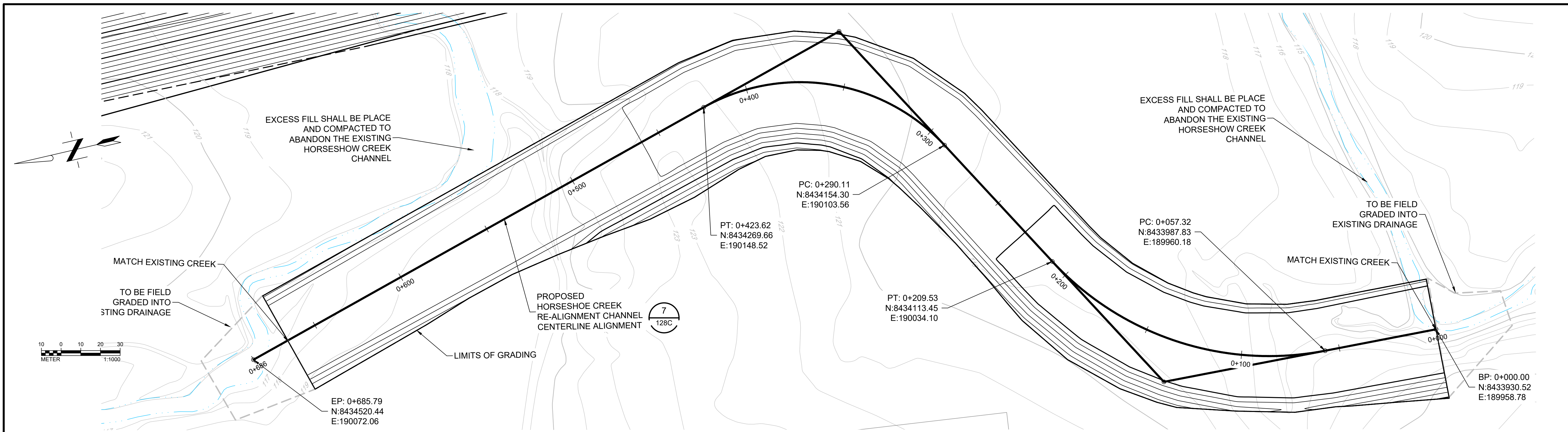
350 Indiana Street, Suite 500
Golden, Colorado 80401
(303) 217-5700 (303) 217-5705 fax

**SURFACE WATER MANAGEMENT PLAN
PROPOSED STOW CREEK
CHANNEL PLAN AND PROFILE
STA 5+00 TO 7+56.00**

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| Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: 200-01299-21007 | 4520-DC-125C |
| Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 | SHEET 26 OF 34 |

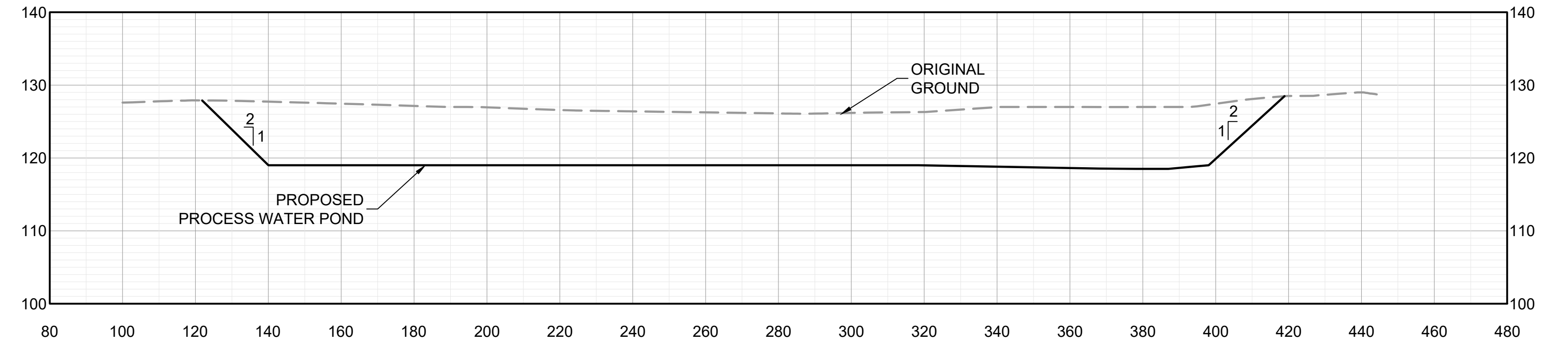
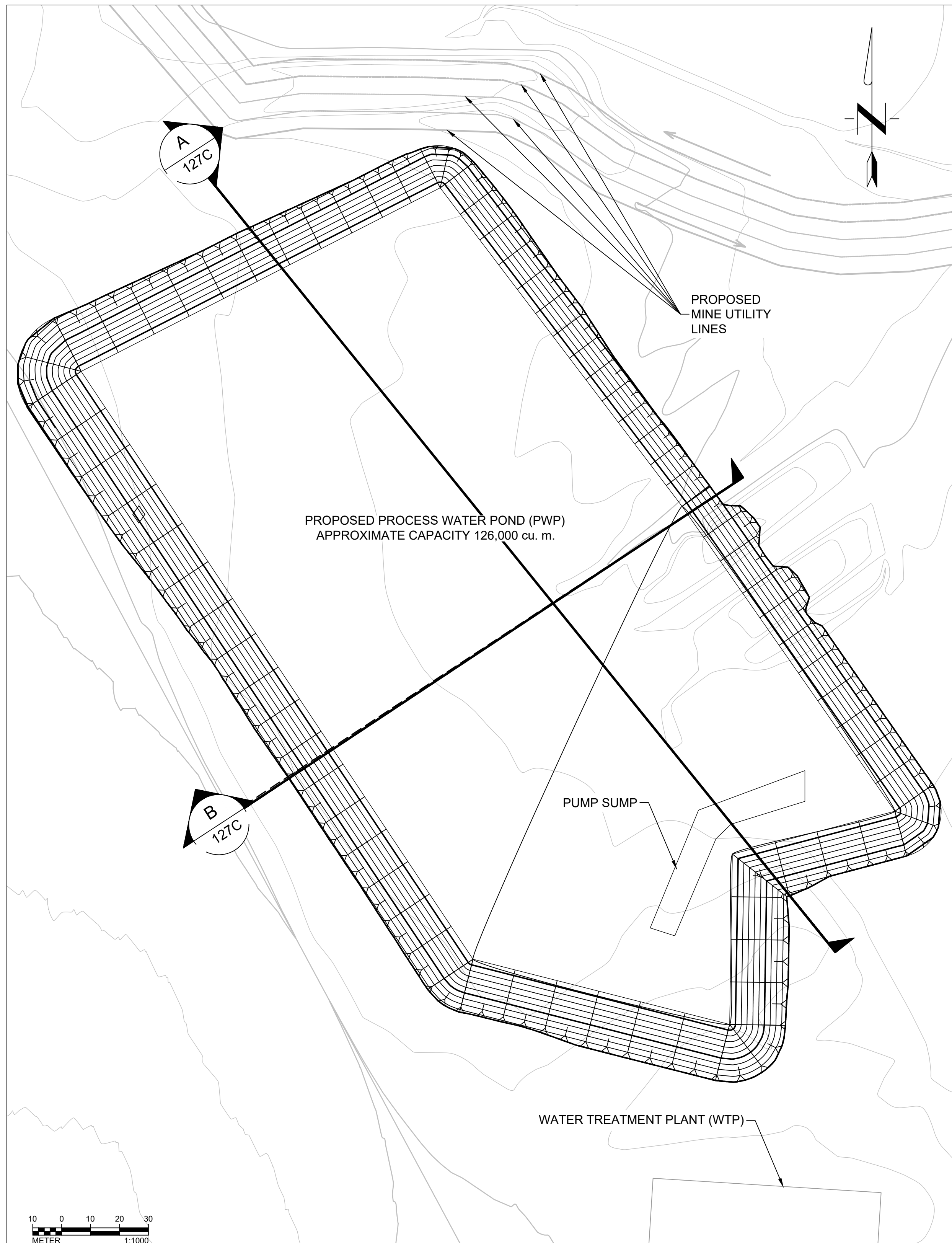


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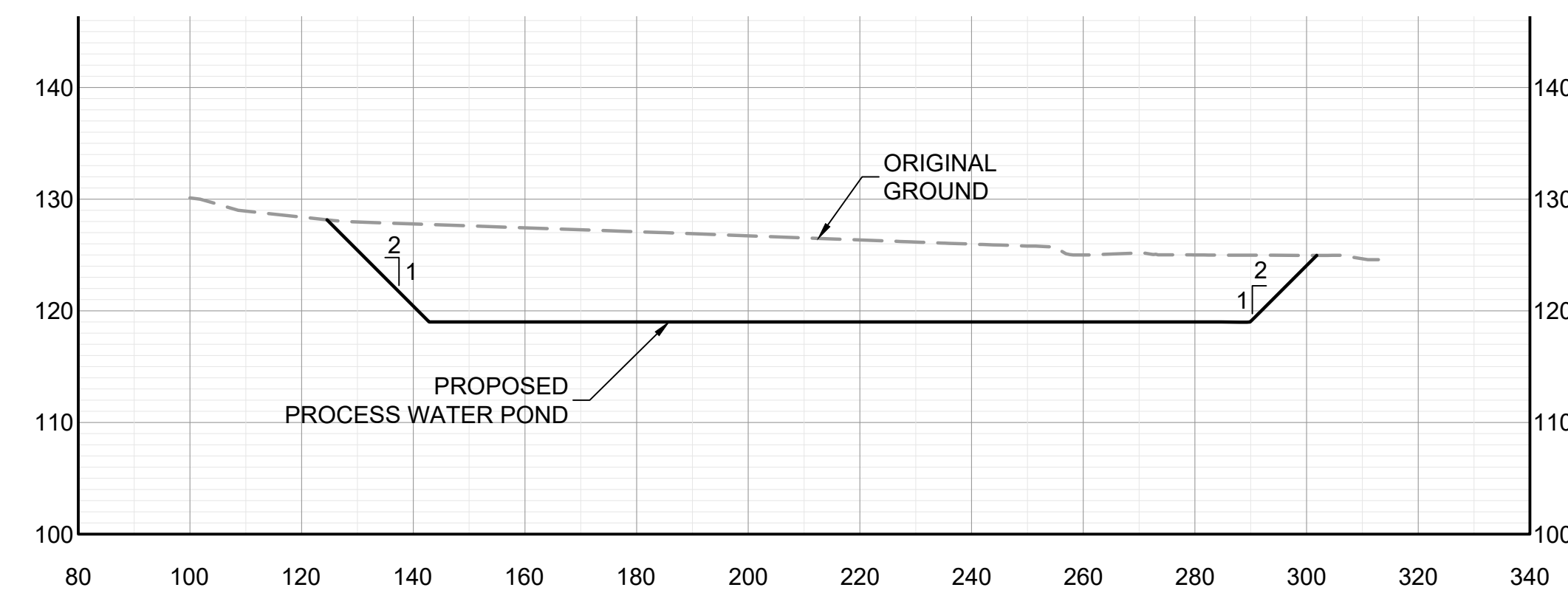


| <p>ENGINEER'S SEAL</p> <p style="text-align: center;">PRELIMINARY DRAWING</p> <p style="text-align: center;">NOT ISSUED FOR CONSTRUCTION</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev</th> <th>Description</th> <th>BY</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | Rev | Description | BY | Date | | | | | | | | | | | | | | | | | | | | | | | | | <p>Scale: AS SHOWN</p> <p>Designed by: CC Drawn by: VH Checked by: VS Approved by: VS</p> <p><small>THE CONTENT OF THIS DOCUMENT IS NOT INTENDED FOR THE USE OF, NOR IS IT INTENDED TO BE RELIED UPON BY ANY PERSON, FIRM OR CORPORATION OTHER THAN THE CLIENT AND TETRA TECH. TETRA TECH DENIES ANY LIABILITY WHATSOEVER TO OTHER PARTIES FOR DAMAGES OR INJURY SUFFERED BY SUCH THIRD PARTY ARISING FROM THE USE OF THIS DOCUMENT BY THEM, WITHOUT THE EXPRESSED WRITTEN AUTHORITY OF TETRA TECH AND OUR CLIENT. THIS DOCUMENT IS SUBJECT TO FURTHER RESTRICTIONS IMPOSED BY THE CONTRACT BETWEEN THE CLIENT AND TETRA TECH AND THESE PARTIES PERMISSION MUST BE SOUGHT REGARDING THIS DOCUMENT IN ALL OTHER CIRCUMSTANCES.</small></p> | <p>Issued for:</p> <p>VISTA GOLD</p> | <p>Issued by:</p> <p>TETRA TECH</p> <p><small>350 Indiana Street, Suite 500 Golden, Colorado 80401 (303) 217-5700 (303) 217-5705 fax</small></p> | <p>SURFACE WATER MANAGEMENT PLAN PROPOSED HORSESHOE CREEK CHANNEL PLAN AND PROFILE STA 0+00 TO 6+90</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN</td> <td style="width: 50%;">Project no.: 200-01299-21007</td> </tr> <tr> <td>Location: NORTHERN TERRITORY, AUSTRALIA</td> <td>Date: 12/16/2021</td> </tr> </table> <p style="text-align: right;">4520-DC-126C</p> <p style="text-align: right;">SHEET 27 OF 34</p> | Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: 200-01299-21007 | Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 |
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| Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: 200-01299-21007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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A
127C
PROCESS WATER POND SECTION
SCALE: H=1:1000 V=1:500



B
127C
PROCESS WATER POND SECTION
SCALE: H=1:1000 V=1:500

ENGINEER'S SEAL

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| Rev | Description | BY | Date |
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Drawn by: VH
Checked by: VS
Approved by: VS

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Issued by:



SURFACE WATER MANAGEMENT PLAN
PROPOSED PROCESS WATER POND
PLAN AND PROFILE



REVISION

Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN

Project no.: 200-01299-21007

Location: NORTHERN TERRITORY, AUSTRALIA

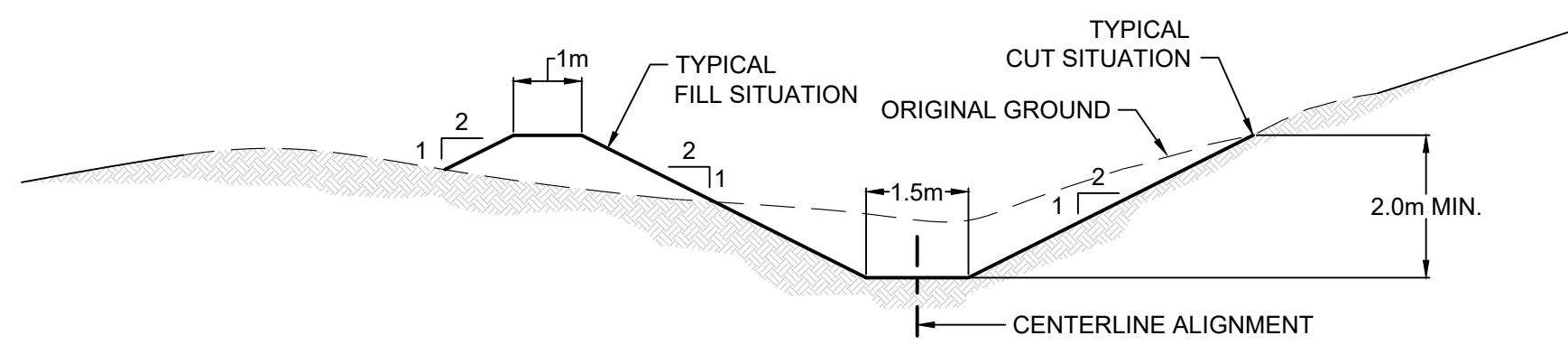
Date: 12/16/2021

4520-DC-127C

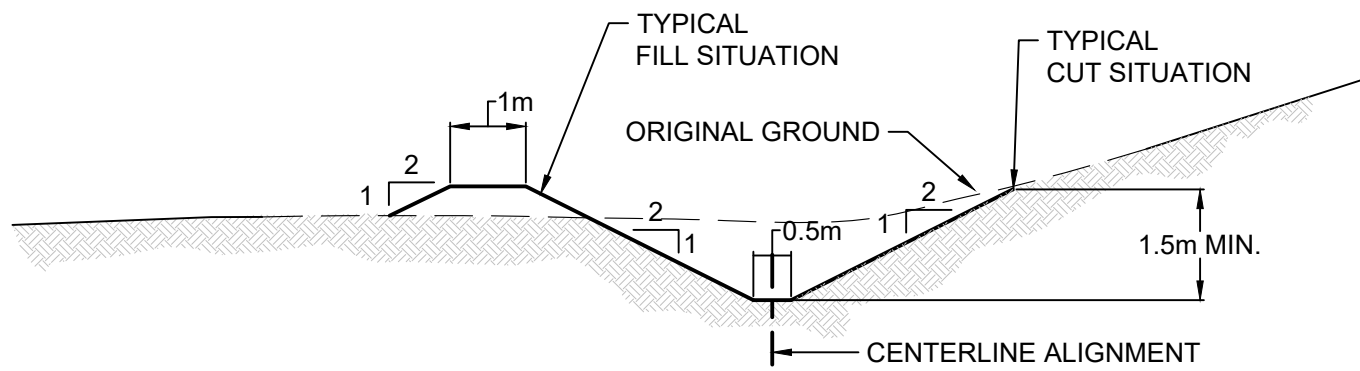
SHEET 28 OF 34

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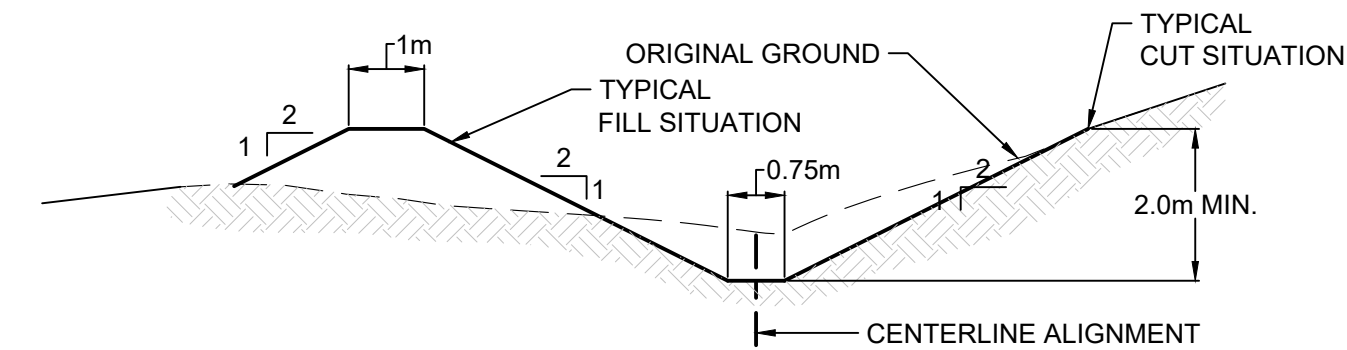
REVISIONS



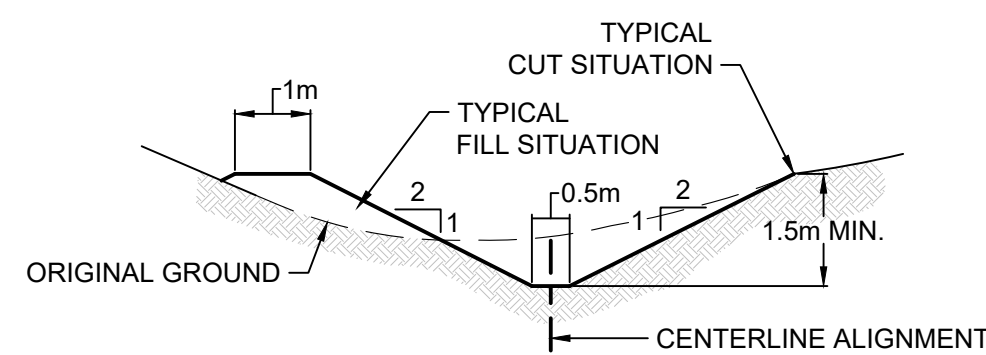
1 TYPICAL WESTERN WRD DRAINAGE CHANNEL
109C-111C SCALE: N.T.S.



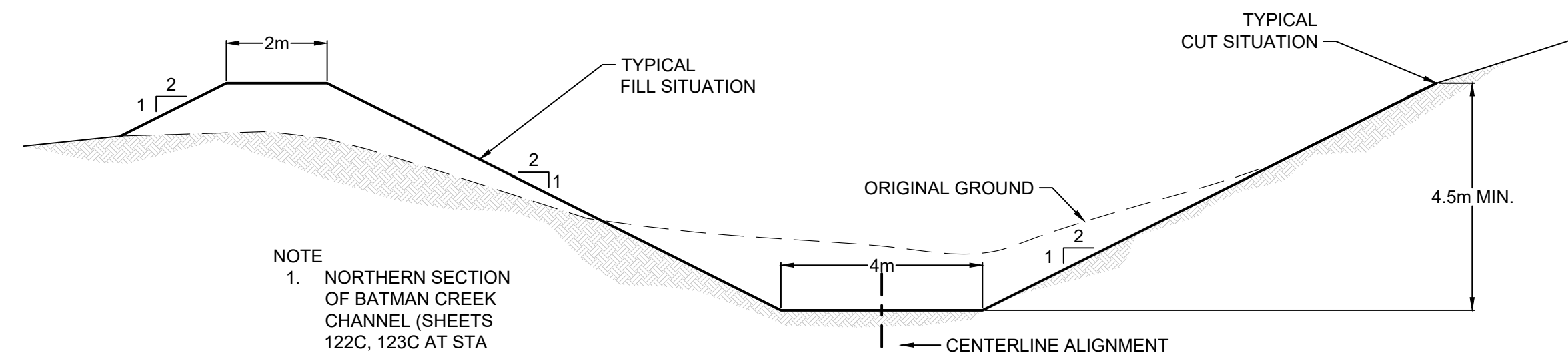
2 TYPICAL EASTERN TSF2 DRAINAGE CHANNEL
120C-121C SCALE: N.T.S.



3 TYPICAL WESTERN TSF2 DRAINAGE CHANNEL
117C-119C SCALE: N.T.S.

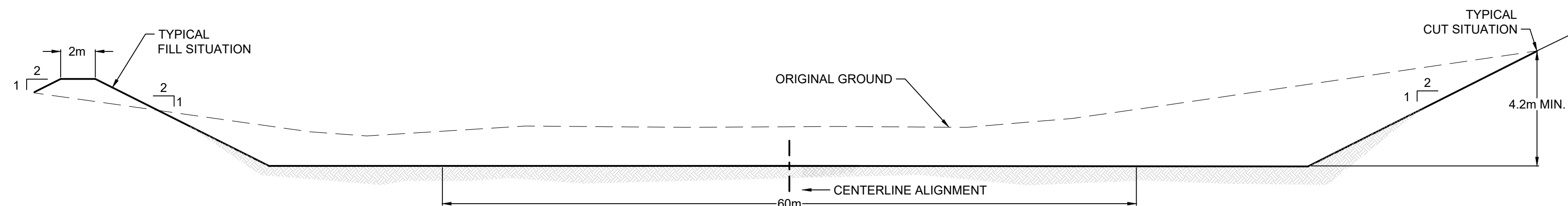


4 TYPICAL TFS1 DRAINAGE CHANNEL
112C-113C SCALE: N.T.S.

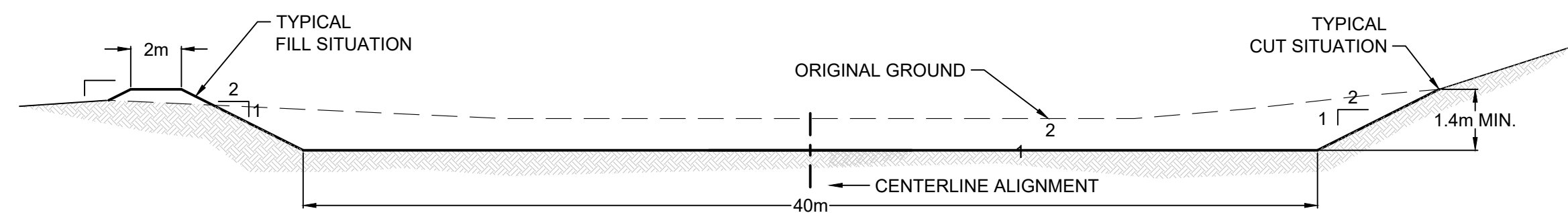


NOTE
1. NORTHERN SECTION OF BATMAN CREEK CHANNEL (SHEETS 122C, 123C AT STA 0+00 TO STA 10+64) HAS A 1H:1V CATCH SLOPE AFTER THE EXTENT OF THE DETAIL:

5 TYPICAL BATMAN CREEK DRAINAGE CHANNEL
114-6C,122-3C SCALE: N.T.S.



6 TYPICAL STOW CREEK DRAINAGE CHANNEL
124C-125C SCALE: N.T.S.

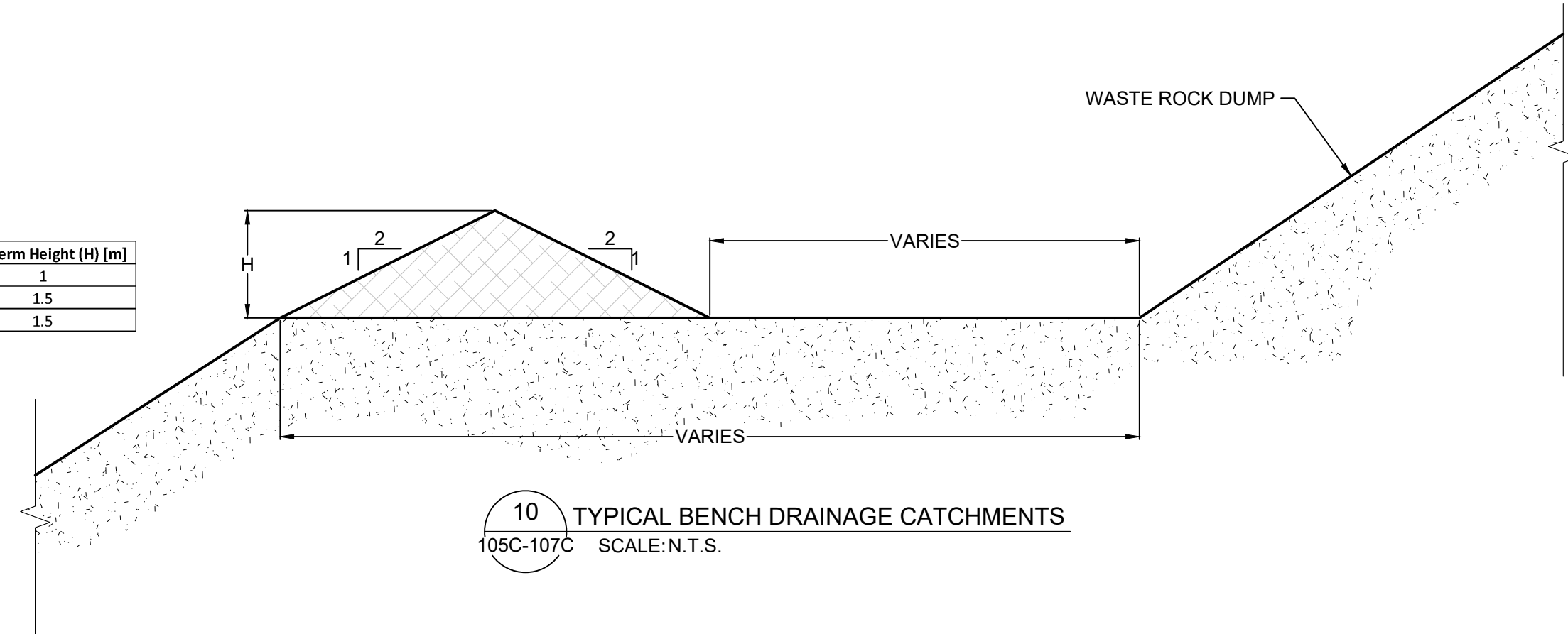


7 TYPICAL HORSESHOE CREEK DRAINAGE CHANNEL
127C SCALE: N.T.S.

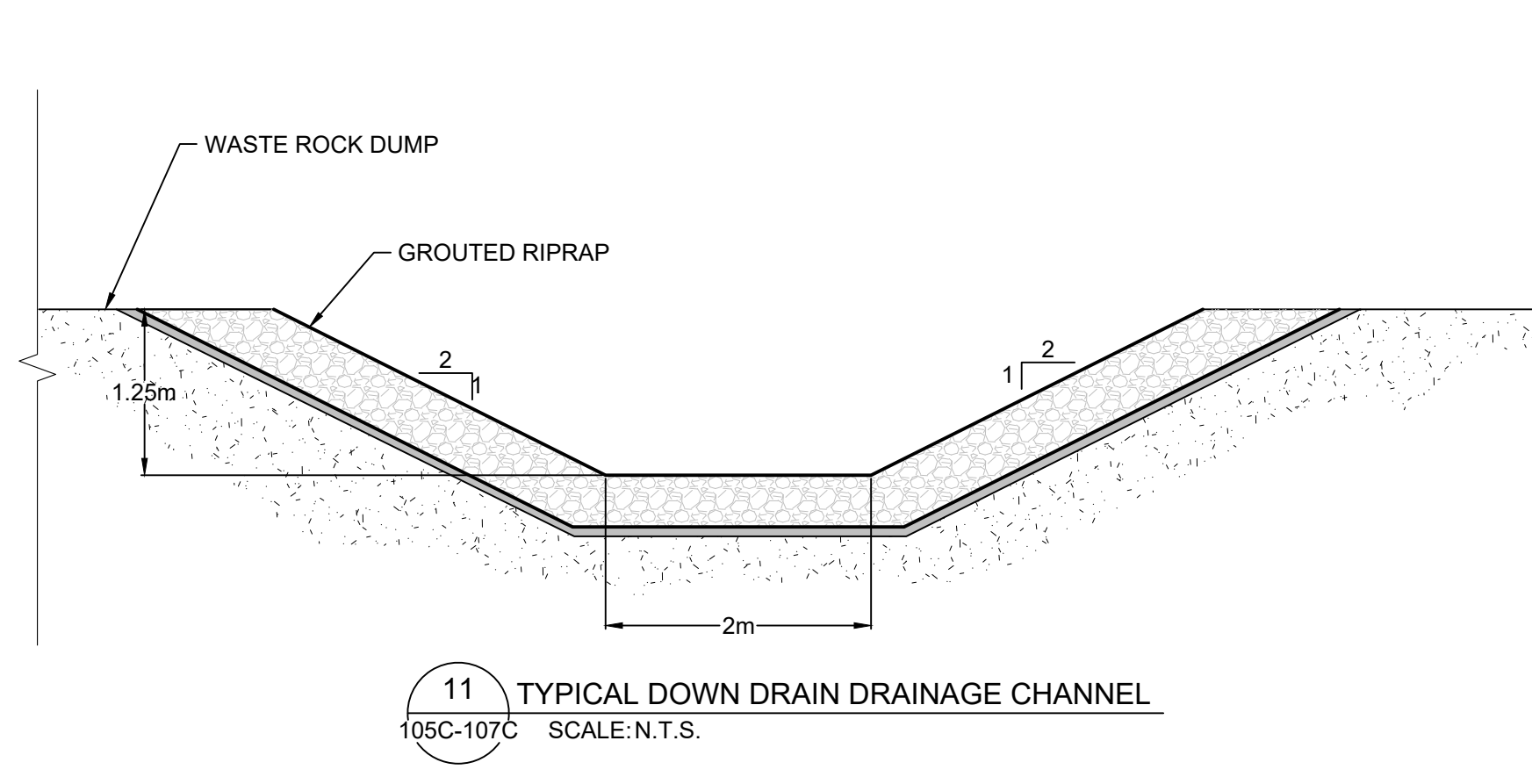
P:\01289\2020-01289-21007\05 Site-Water Management\CAD\Drawings Management\Plan Update\110-2D CAD\DWG Site Serv\MT Tool Details.dwg - HENNON, VICTORIA, 12/16/2021 12:45 PM

| ENGINEER'S SEAL | | <table border="1"> <tr> <th>Rev</th> <th>Description</th> <th>BY</th> <th>Date</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> | Rev | Description | BY | Date | | | | | Scale: AS SHOWN | Issued for: | Issued by: | <p align="center">SURFACE WATER MANAGEMENT PLAN PROPOSED TYPICAL CHANNEL DETAILS</p> | | | | | | |
|---|---|---|---|-------------|-------------|---|--|----|--|---|---|-------------|--|--|-----------------|-----------|-------------------------------|-------|------------|--|
| | | | Rev | Description | BY | Date | | | | | | | | | | | | | | |
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| <table border="1"> <tr> <td>DESIGNED BY:</td> <td>CC</td> </tr> <tr> <td>DRAWN BY:</td> <td>VH</td> </tr> <tr> <td>CHECKED BY:</td> <td>VS</td> </tr> <tr> <td>APPROVED BY:</td> <td>VS</td> </tr> </table> | DESIGNED BY: | CC | DRAWN BY: | VH | CHECKED BY: | VS | APPROVED BY: | VS | | <p>350 Indiana Street, Suite 500 Golden, Colorado 80401 (303) 217-5700 (303) 217-5705 fax</p> | <table border="1"> <tr> <td>Project:</td> <td>2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN</td> <td>Project no.:</td> <td>200-01299-21007</td> </tr> <tr> <td>Location:</td> <td>NORTHERN TERRITORY, AUSTRALIA</td> <td>Date:</td> <td>12/16/2021</td> </tr> </table> | Project: | 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: | 200-01299-21007 | Location: | NORTHERN TERRITORY, AUSTRALIA | Date: | 12/16/2021 | <p>4520-DC-128C</p> <p align="center">SHEET 29 OF 34</p> |
| DESIGNED BY: | CC | | | | | | | | | | | | | | | | | | | |
| DRAWN BY: | VH | | | | | | | | | | | | | | | | | | | |
| CHECKED BY: | VS | | | | | | | | | | | | | | | | | | | |
| APPROVED BY: | VS | | | | | | | | | | | | | | | | | | | |
| Project: | 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: | 200-01299-21007 | | | | | | | | | | | | | | | | | |
| Location: | NORTHERN TERRITORY, AUSTRALIA | Date: | 12/16/2021 | | | | | | | | | | | | | | | | | |
| REFERENCE | <p>PRELIMINARY DRAWING</p> <p>NOT ISSUED FOR CONSTRUCTION</p> | <p>2021 FEASIBILITY STUDY</p> <p>ADDRESSED 08/2017 CLIENT COMMENTS</p> <p>PRELIMINARY DESIGN ISSUED FOR REVIEW</p> <p>PRELIMINARY DESIGN</p> | <p>THE CONTENT OF THIS DOCUMENT IS NOT INTENDED FOR THE USE OF, NOR IS IT INTENDED TO BE RELIED UPON BY ANY PERSON, FIRM OR CORPORATION OTHER THAN THE CLIENT AND TETRA TECH. TETRA TECH DENIES ANY LIABILITY WHATSOEVER TO OTHER PARTIES FOR DAMAGES OR INJURY SUFFERED BY SUCH THIRD PARTY ARISING FROM THE USE OF THIS DOCUMENT BY THEM, WITHOUT THE EXPRESSED WRITTEN AUTHORITY OF TETRA TECH AND OUR CLIENT. THIS DOCUMENT IS SUBJECT TO FURTHER RESTRICTIONS IMPOSED BY THE CONTRACT BETWEEN THE CLIENT AND TETRA TECH AND THESE PARTIES' PERMISSION MUST BE SOUGHT REGARDING THIS DOCUMENT IN ALL OTHER CIRCUMSTANCES.</p> | | | <p>Project:</p> <p>2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN</p> <p>Project no.:</p> <p>200-01299-21007</p> <p>Location:</p> <p>NORTHERN TERRITORY, AUSTRALIA</p> <p>Date:</p> <p>12/16/2021</p> | <p>4520-DC-128C</p> <p align="center">SHEET 29 OF 34</p> | | | | | | | | | | | | | |

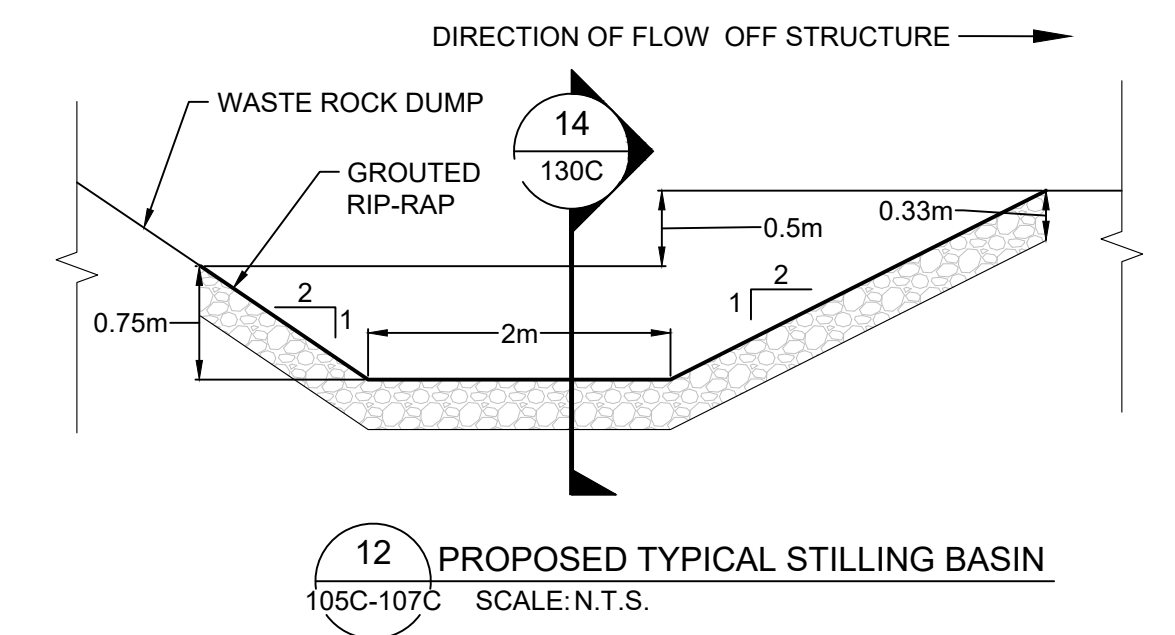
| Facility | Min Berm Height (H) [m] |
|----------|-------------------------|
| WRD | 1 |
| TSF2 | 1.5 |
| TSF1 | 1.5 |



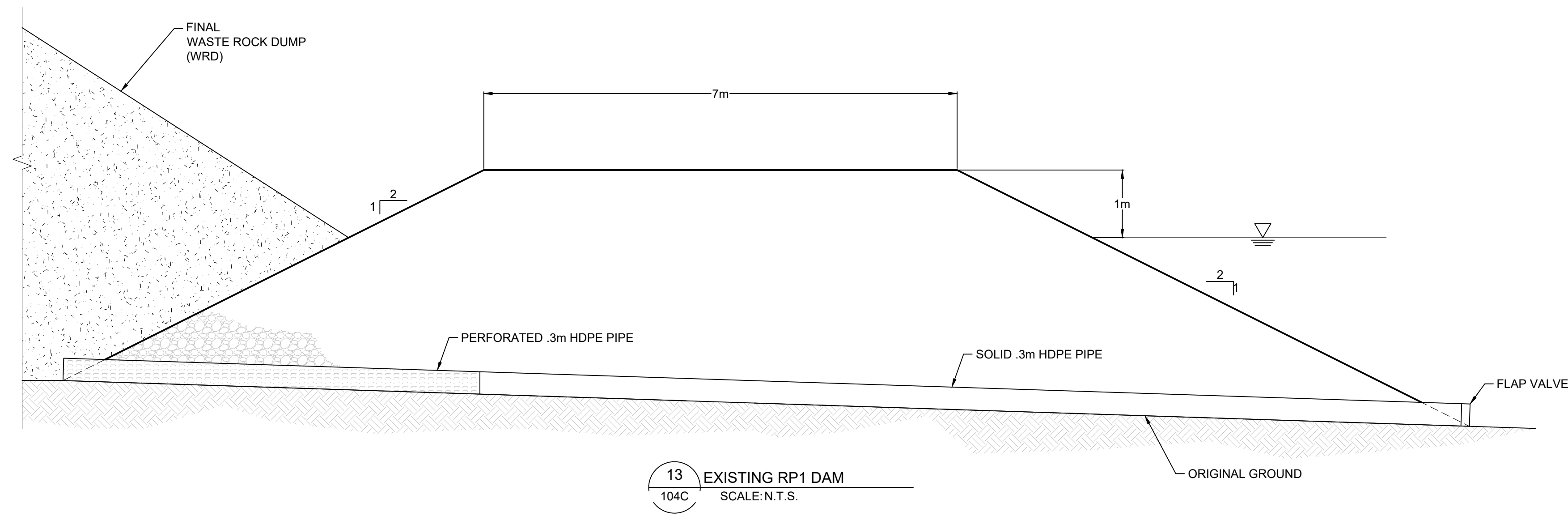
10 TYPICAL BENCH DRAINAGE CATCHMENTS
105C-107C SCALE: N.T.S.



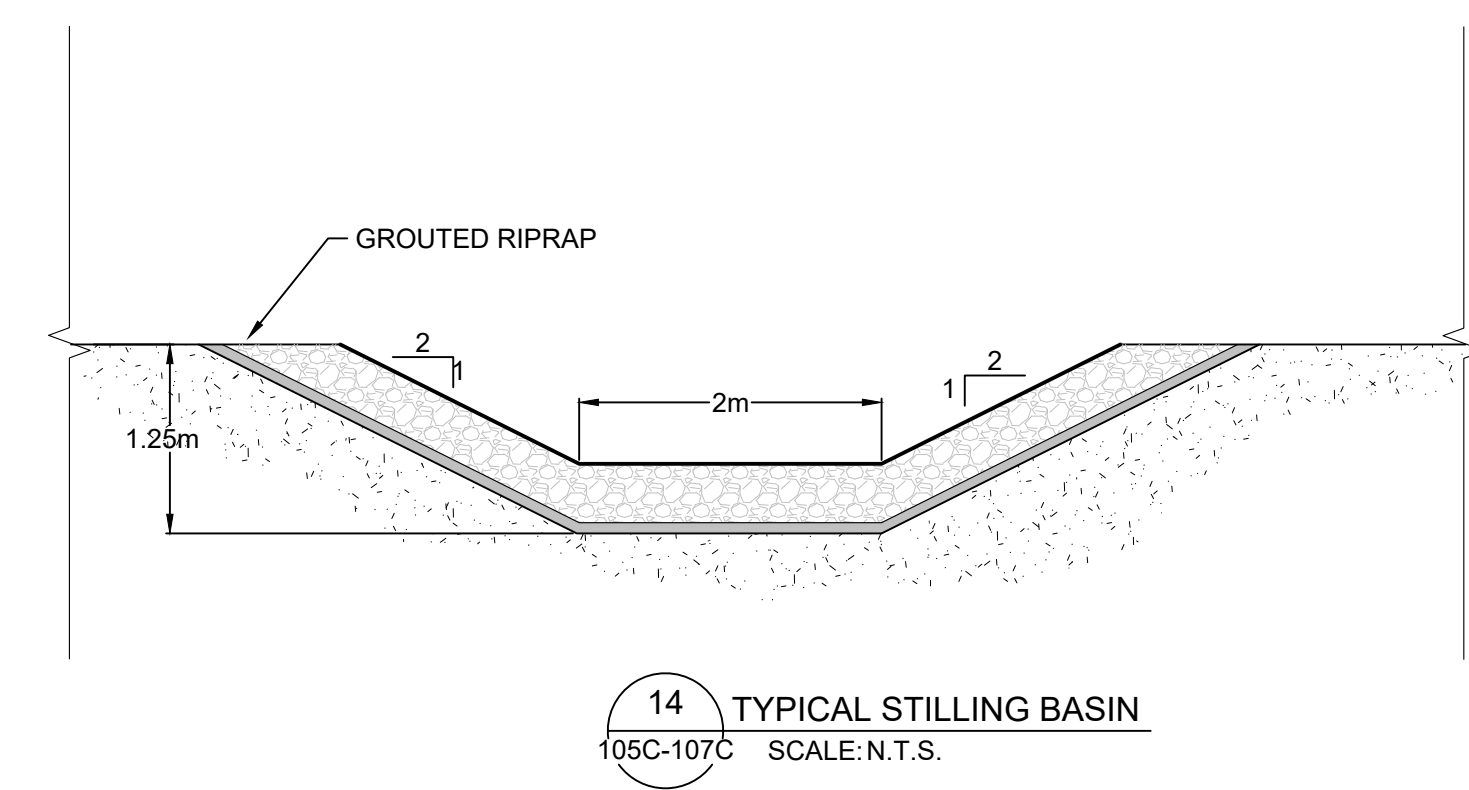
11 TYPICAL DOWN DRAIN DRAINAGE CHANNEL
105C-107C SCALE: N.T.S.



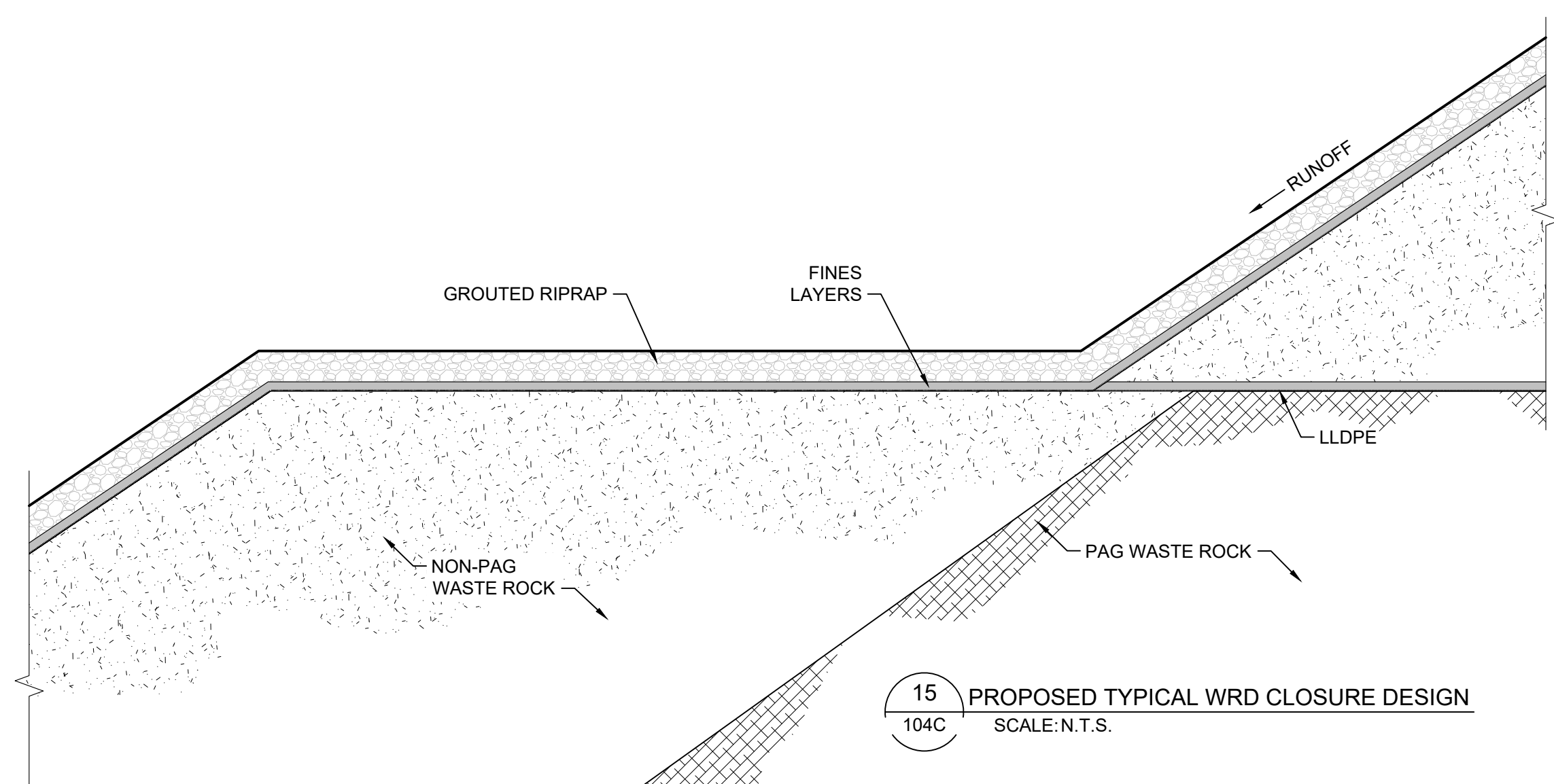
12 PROPOSED TYPICAL STILLING BASIN
105C-107C SCALE: N.T.S.



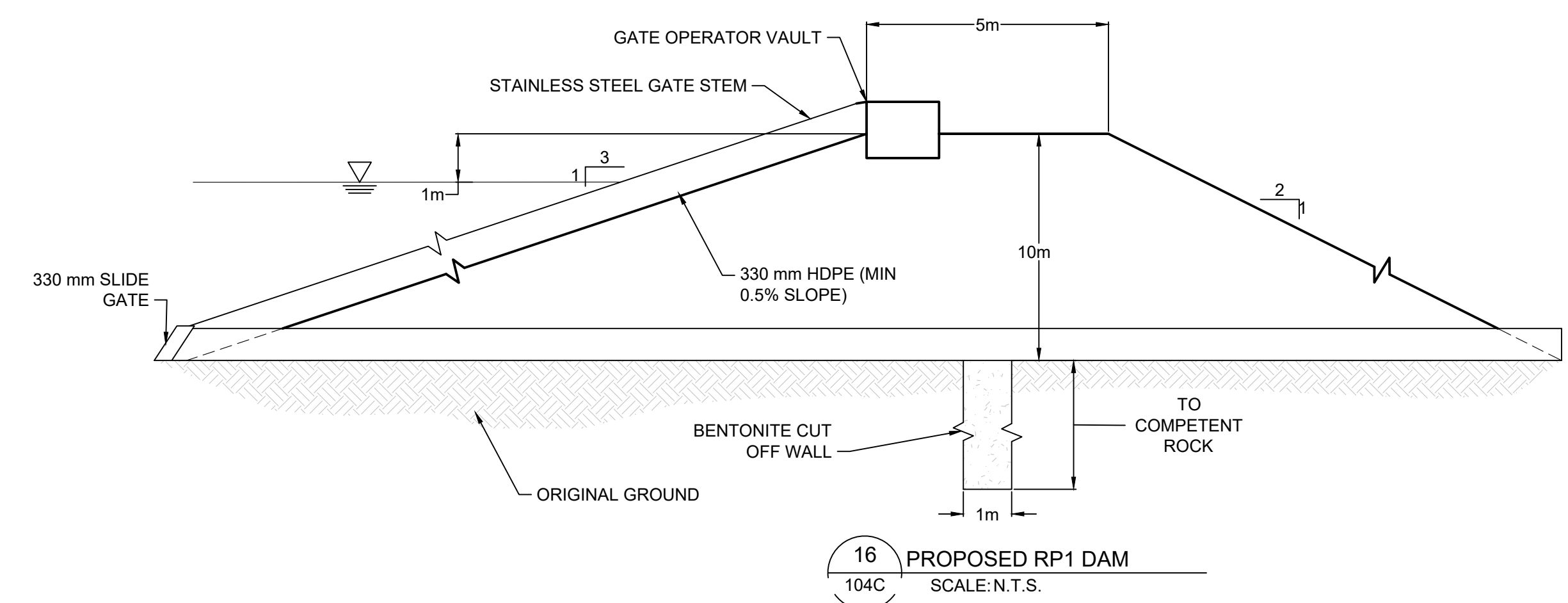
13 EXISTING RP1 DAM
104C SCALE: N.T.S.



14 TYPICAL STILLING BASIN
105C-107C SCALE: N.T.S.



15 PROPOSED TYPICAL WRD CLOSURE DESIGN
104C SCALE: N.T.S.



16 PROPOSED RP1 DAM
104C SCALE: N.T.S.

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ENGINEER'S SEAL

PRELIMINARY DRAWING

NOT ISSUED FOR CONSTRUCTION

| Rev | Description | BY | Date |
|------------|--------------------------------------|----|------------|
| 2021 | FEASIBILITY STUDY | VH | 12/16/2021 |
| 11/03/2017 | ADDRESSED 08/2017 CLIENT COMMENTS | DF | 11/03/2017 |
| 05/12/2017 | PRELIMINARY DESIGN ISSUED FOR REVIEW | JC | 05/12/2017 |
| CC | PRELIMINARY DESIGN | CC | 04/21/2017 |

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Drawn by: VH
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Issued by:



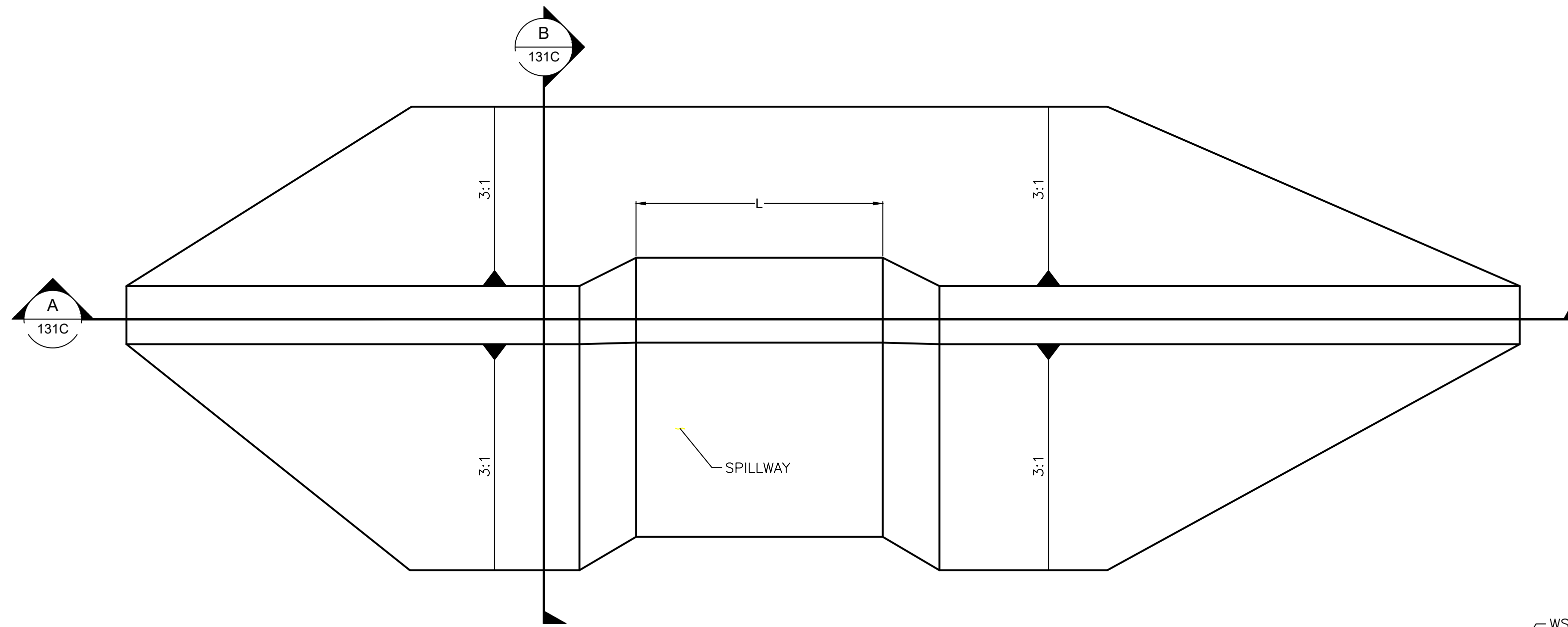
TETRA TECH
350 Indiana Street, Suite 500
Golden, Colorado 80401
(303) 217-5700 (303) 217-5705 fax

SURFACE WATER MANAGEMENT PLAN
PROPOSED DRAINAGE
AND COFFER DAM DETAILS

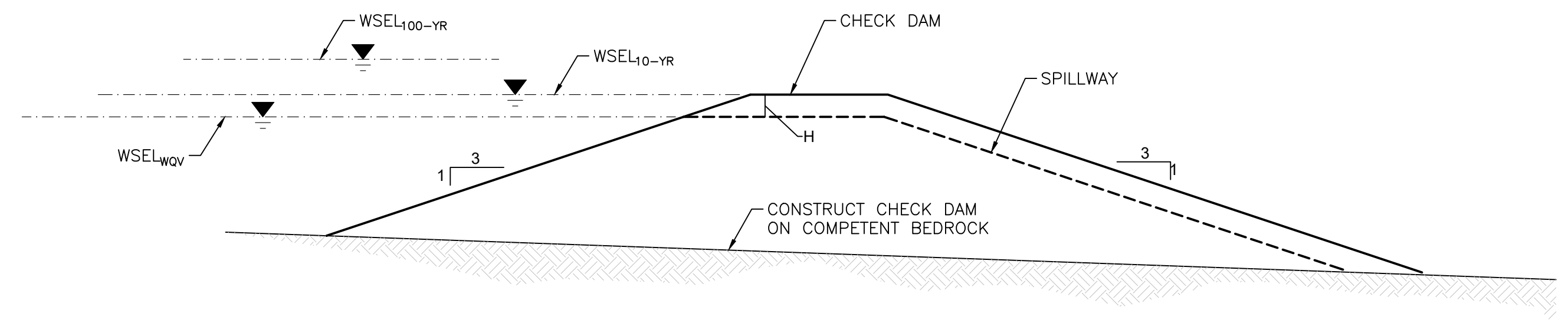
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Project no.: 200-01299-21007
Location: NORTHERN TERRITORY, AUSTRALIA
Date: 12/16/2021

4520-DC-130C
SHEET 31 OF 34

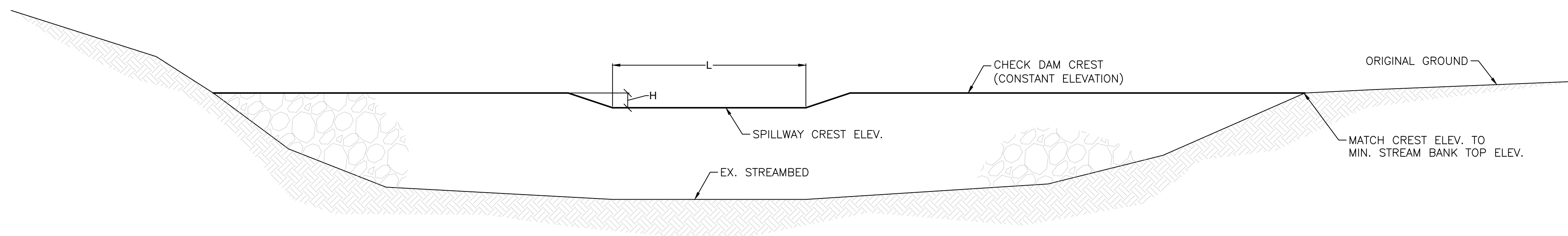
REVISION
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17 CHECK DAM PLAN
104C SCALE: N.T.S.



B SECTION B-B
131C SCALE: N.T.S.



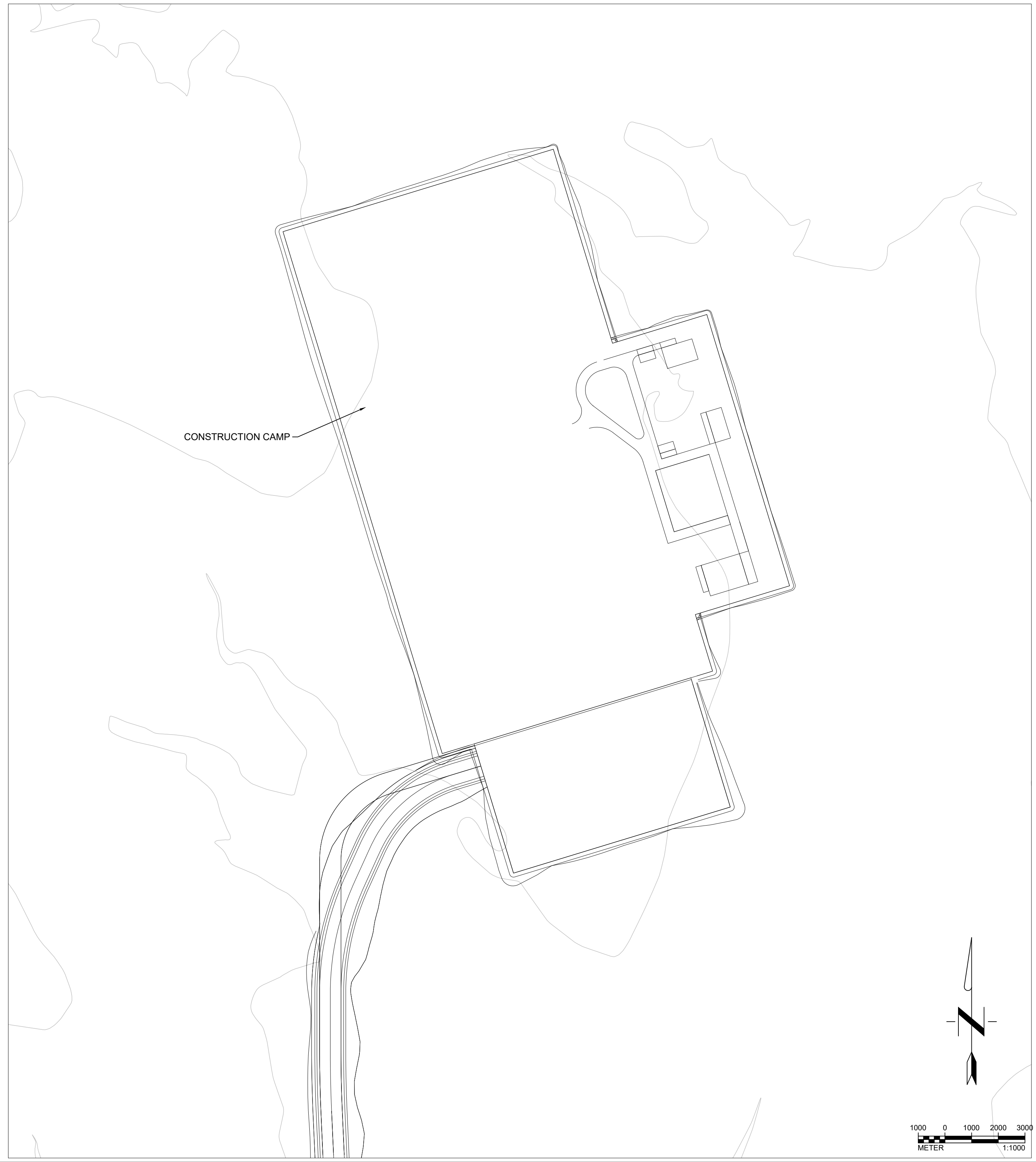
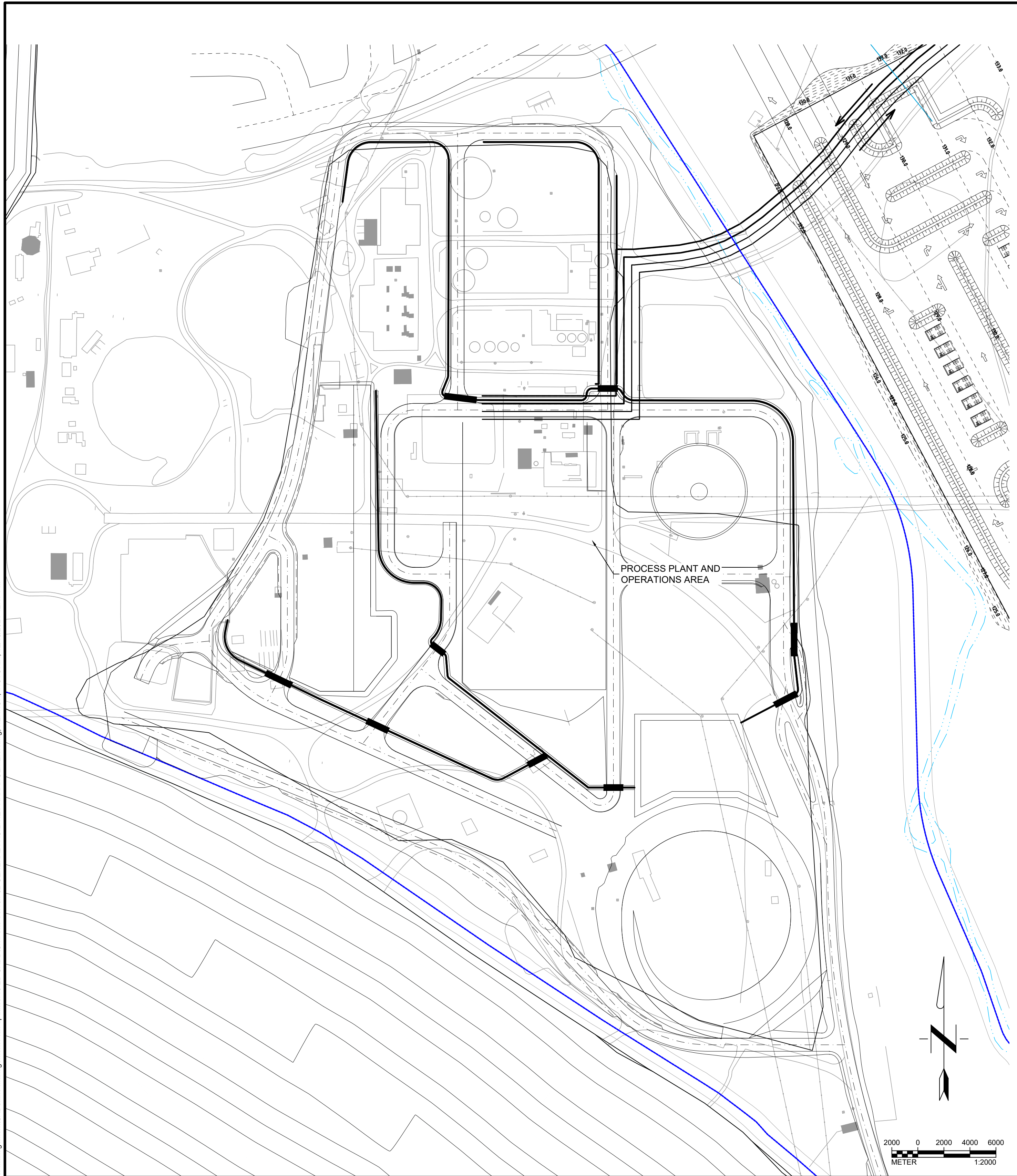
A SECTION A-A
131C SCALE: N.T.S.

| CHECK DAMS | | |
|--------------|-------|----|
| CHECK DAM ID | H | L |
| CD-1 | 3.25m | 5m |

P:\01296200\012962-2\00705_Site\Wide Area Management\CAD\Mine Management\Plan updates\10-2D_CADD\Chk Dam Details.dwg, HENNING, VICTORIA, 12/16/2021, 12:45 PM

| <p>ENGINEER'S SEAL</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>PRELIMINARY DRAWING</p> <p>NOT ISSUED FOR CONSTRUCTION</p> </div> <p>REFERENCE</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev</th> <th>Description</th> <th>BY</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>2021 FEASIBILITY STUDY</td> <td>VH</td> <td>12/16/2021</td> </tr> <tr> <td>ADDRESSED 08/2017 CLIENT COMMENTS</td> <td>DF</td> <td>11/03/2017</td> </tr> <tr> <td>PRELIMINARY DESIGN ISSUED FOR REVIEW</td> <td>JC</td> <td>05/12/2017</td> </tr> <tr> <td>PRELIMINARY DESIGN</td> <td>CC</td> <td>04/21/2017</td> </tr> </tbody> </table> <p style="text-align: center;">REVISIONS</p> | Rev | Description | BY | Date | 2021 FEASIBILITY STUDY | VH | 12/16/2021 | ADDRESSED 08/2017 CLIENT COMMENTS | DF | 11/03/2017 | PRELIMINARY DESIGN ISSUED FOR REVIEW | JC | 05/12/2017 | PRELIMINARY DESIGN | CC | 04/21/2017 | <p>Scale: AS SHOWN</p> <p>Designed by: CC Drawn by: VH Checked by: VS Approved by: VS</p> <p><small>THE CONTENT OF THIS DOCUMENT IS NOT INTENDED FOR THE USE OF, NOR IS IT INTENDED TO BE RELIED UPON BY ANY PERSON, FIRM OR CORPORATION OTHER THAN THE CLIENT AND TETRA TECH. TETRA TECH DENIES ANY LIABILITY WHATSOEVER TO OTHER PARTIES FOR DAMAGES OR INJURY SUFFERED BY SUCH THIRD PARTY ARISING FROM THE USE OF THIS DOCUMENT BY THEM WITHOUT THE EXPRESSED WRITTEN AUTHORITY OF TETRA TECH AND OUR CLIENT. THIS DOCUMENT IS SUBJECT TO FURTHER RESTRICTIONS IMPOSED BY THE CONTRACT BETWEEN THE CLIENT AND TETRA TECH AND THESE PARTIES' PERMISSION MUST BE SOUGHT REGARDING THIS DOCUMENT IN ALL OTHER CIRCUMSTANCES.</small></p> | <p>Issued by:</p> <p>VISTA GOLD</p> | <p>Issued by:</p> <p>TETRA TECH</p> <p><small>350 Indiana Street, Suite 500 Golden, Colorado 80401 (303) 217-5700 (303) 217-5705 fax</small></p> | <p>SURFACE WATER MANAGEMENT PLAN PROPOSED CHECK DAM DETAILS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN</td> <td>Project no.: 200-01299-21007</td> </tr> <tr> <td>Location: NORTHERN TERRITORY, AUSTRALIA</td> <td>Date: 12/16/2021</td> </tr> </table> <p style="text-align: right;">4520-DC-131C</p> <p style="text-align: right;">SHEET 32 OF 34</p> | Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: 200-01299-21007 | Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 |
|--|--|------------|-------------|----|------|------------------------|----|------------|-----------------------------------|----|------------|--------------------------------------|----|------------|--------------------|----|------------|--|-------------------------------------|--|--|---|---------------------------------|--|---------------------|
| Rev | Description | BY | Date | | | | | | | | | | | | | | | | | | | | | | |
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| Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 | | | | | | | | | | | | | | | | | | | | | | | | |

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| Rev | Description | BY | Date |
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| △ | 2021 FEASIBILITY STUDY | VH | 12/16/2021 |
| △ | ADDRESSED 08/2017 CLIENT COMMENTS | DF | 11/03/2017 |
| △ | PRELIMINARY DESIGN ISSUED FOR REVIEW | JC | 05/12/2017 |
| △ | PRELIMINARY DESIGN | CC | 04/21/2017 |

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Designed by: CC
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 Checked by: VS
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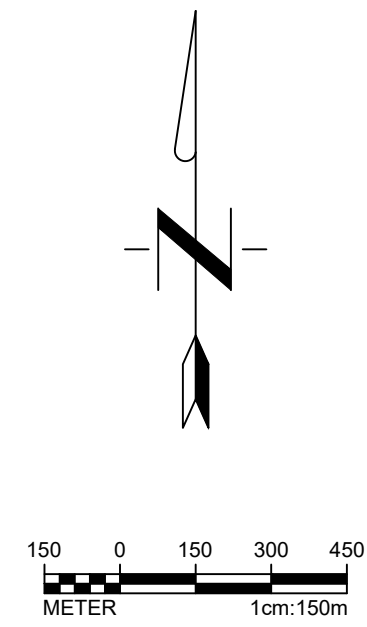
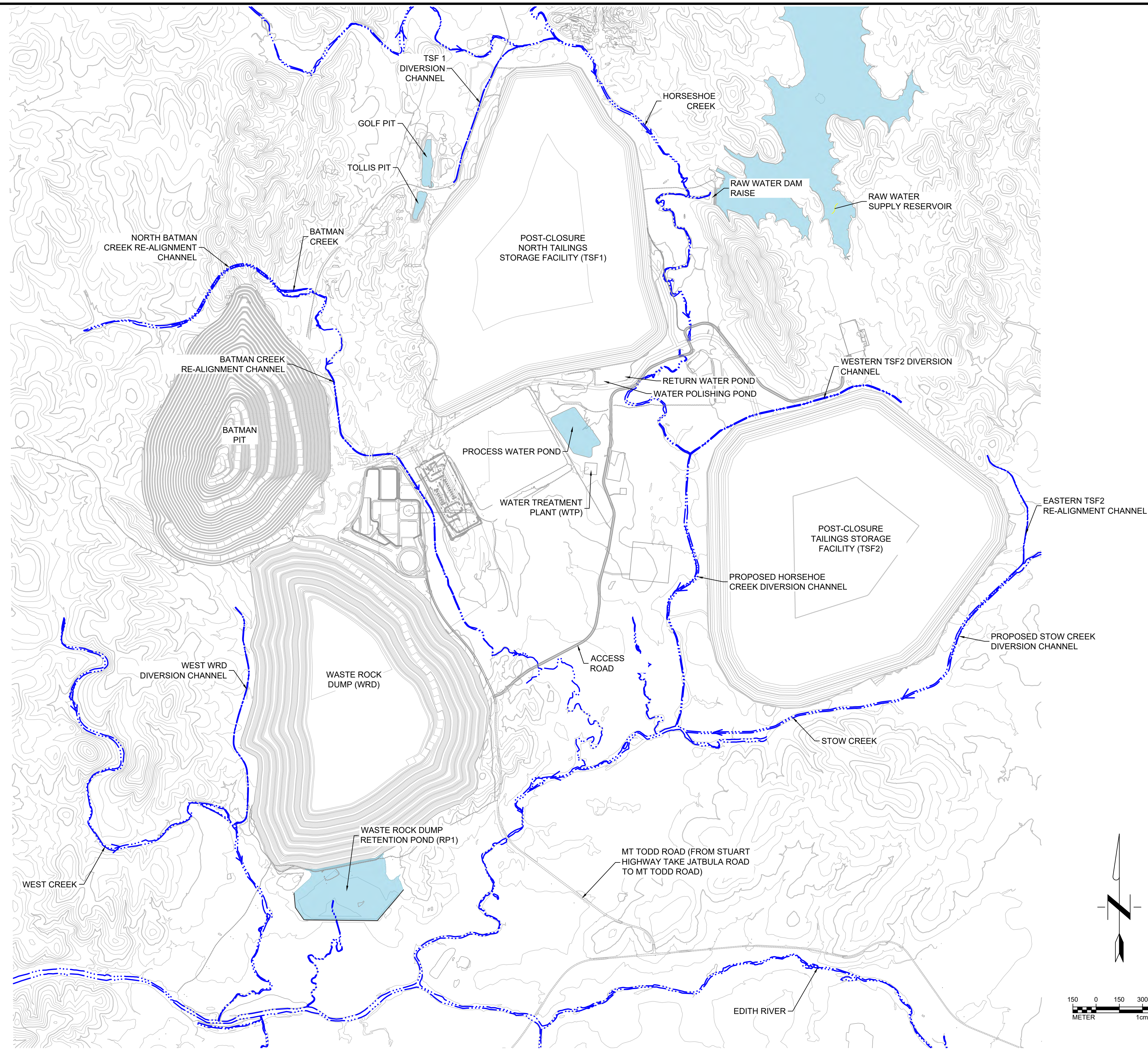
TETRA TECH

350 Indiana Street, Suite 500
 Golden, Colorado 80401
 (303) 217-5700 (303) 217-5705 fax

**SURFACE WATER MANAGEMENT PLAN
 PROCESS PLANT AND
 OPERATIONS AREA ARRANGEMENT**

| | | |
|---|---------------------------------|---|
| Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN | Project no.: 200-01299-21007 |  REVISION |
| Location: NORTHERN TERRITORY, AUSTRALIA | Date: 12/16/2021 | |
| 4520-DC-132C | | SHEET 33 OF 34 |

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VISTA GOLD

Issued by:



TETRA TECH


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 Golden, Colorado 80401
 (303) 217-5700 (303) 217-5705 fax

STORMWATER MANAGEMENT PLAN
DRAINAGE PLAN

Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN
 Location: NORTHERN TERRITORY, AUSTRALIA

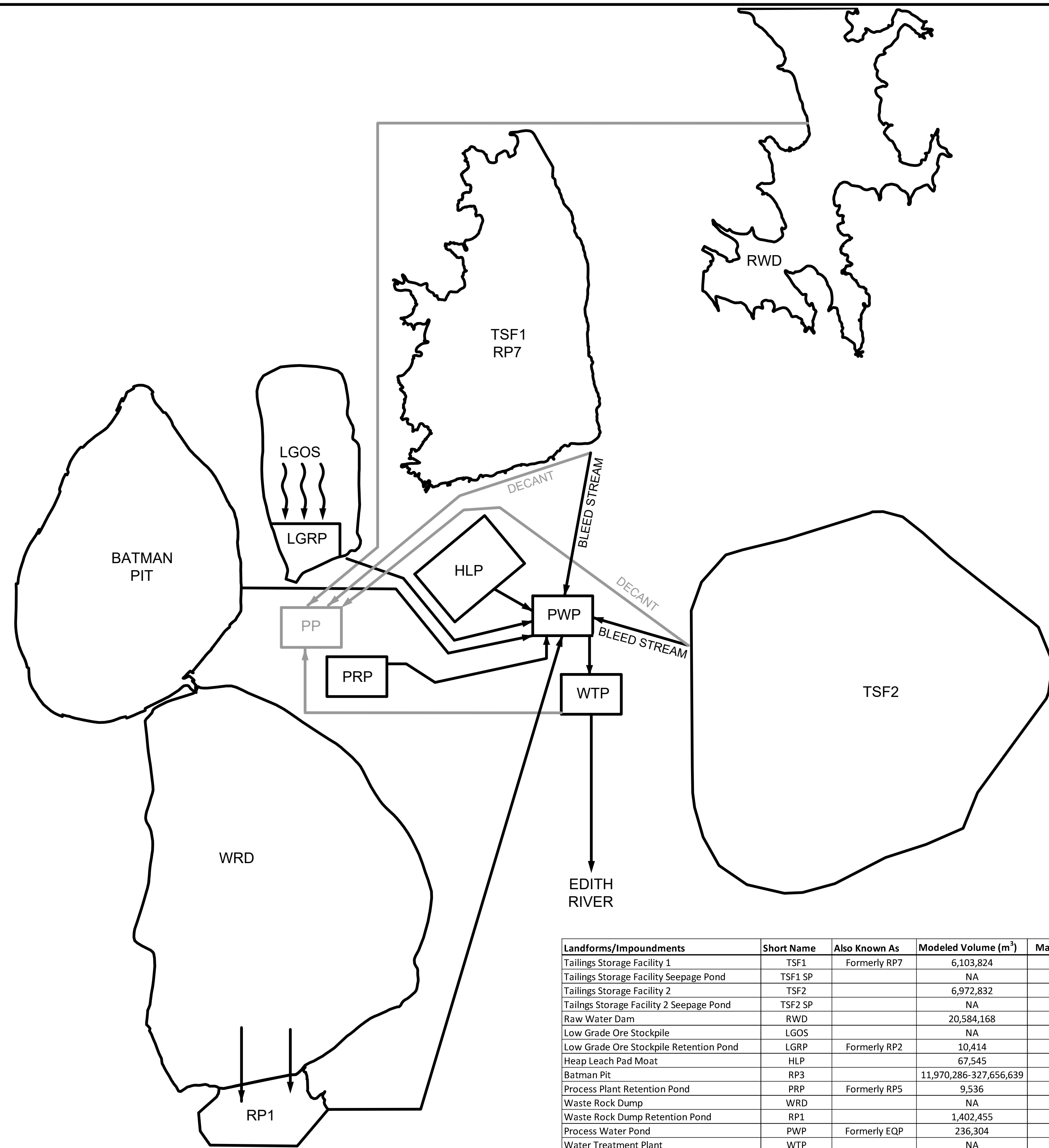
Project no.: 200-01299-21007
 Date: 12/16/2021

4520-DC-133C
 SHEET 34 OF 34



REVISION

P:\01250200-012599-100705 Site Wide Water Management\CAD\Water Management\Plan Update\110-2D\CADD\Civil Site Sewer\PROCESS FACILITIES PLAN.dwg, HENNON, VICTORIA, 12/16/2021, 12:46 PM



| Landforms/Impoundments | Short Name | Also Known As | Modeled Volume (m ³) | Maximum Pump Rate (m ³ /hr) | Pump to location(s) | Years when maximum pump rate observed |
|--|------------|---------------|----------------------------------|--|---------------------------------|---------------------------------------|
| Tailings Storage Facility 1 | TSF1 | Formerly RP7 | 6,103,824 | 2,270, 250 | PP, PWP | 1-14 |
| Tailings Storage Facility Seepage Pond | TSF1 SP | | NA | 75 | TSF1 | 2-8 |
| Tailings Storage Facility 2 | TSF2 | | 6,972,832 | 2,270, 250 | PP, PWP | 3-17 |
| Tailings Storage Facility 2 Seepage Pond | TSF2 SP | | NA | 160 | TSF2 | 17-19 |
| Raw Water Dam | RWD | | 20,584,168 | 750 | PP | 1-17 |
| Low Grade Ore Stockpile | LGOS | | NA | No Pump | Seepage/runoff reports to LGRP | NA |
| Low Grade Ore Stockpile Retention Pond | LGRP | Formerly RP2 | 10,414 | 450 | PWP | 1-17 |
| Heap Leach Pad Moat | HLP | | 67,545 | 194 | PWP | 1-17 |
| Batman Pit | RP3 | | 11,970,286-327,656,639 | 750, 50 | PWP, Dust Suppression | 1-15 |
| Process Plant Retention Pond | PRP | Formerly RP5 | 9,536 | 70 | PWP | 1-17 |
| Waste Rock Dump | WRD | | NA | No Pump | Seepage/runoff reports to RP1 | NA |
| Waste Rock Dump Retention Pond | RP1 | | 1,402,455 | 600 | PMP | 1-18 |
| Process Water Pond | PWP | Formerly EQP | 236,304 | 600 | WTP | 1-17 |
| Water Treatment Plant | WTP | | NA | 600, 50 | Process Plant, Dust Suppression | 1-17 |
| Process Plant | PP | | NA | 2,547 | TSF1, TSF2 | 1-17 |

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| ## | ENGINEER'S SEAL |
| ## | |
| ## | PRELIMINARY DRAWING |
| ## | |
| ## | NOT ISSUED FOR CONSTRUCTION |
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| ## | REFERENCE |

| Rev | Description | BY | Date |
|-----|--------------------------------------|----|------------|
| △ | 2021 FEASIBILITY STUDY | VH | 12/16/2021 |
| △ | ADDRESSED 08/2017 CLIENT COMMENTS | DF | 11/03/2017 |
| △ | PRELIMINARY DESIGN ISSUED FOR REVIEW | JC | 05/12/2017 |
| △ | PRELIMINARY DESIGN | CC | 04/21/2017 |

Scale: AS SHOWN

Designed by: CC
 Drawn by: VH
 Checked by: VS
 Approved by: VS

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SURFACE WATER MANAGEMENT PLAN
WATER TREATMENT FLOW SCHEMATIC

Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN
 Project no.: 200-01299-21007

Location: NORTHERN TERRITORY, AUSTRALIA
 Date: 12/16/2021

EXHIBIT 1
 SHEET 1 OF 1

