

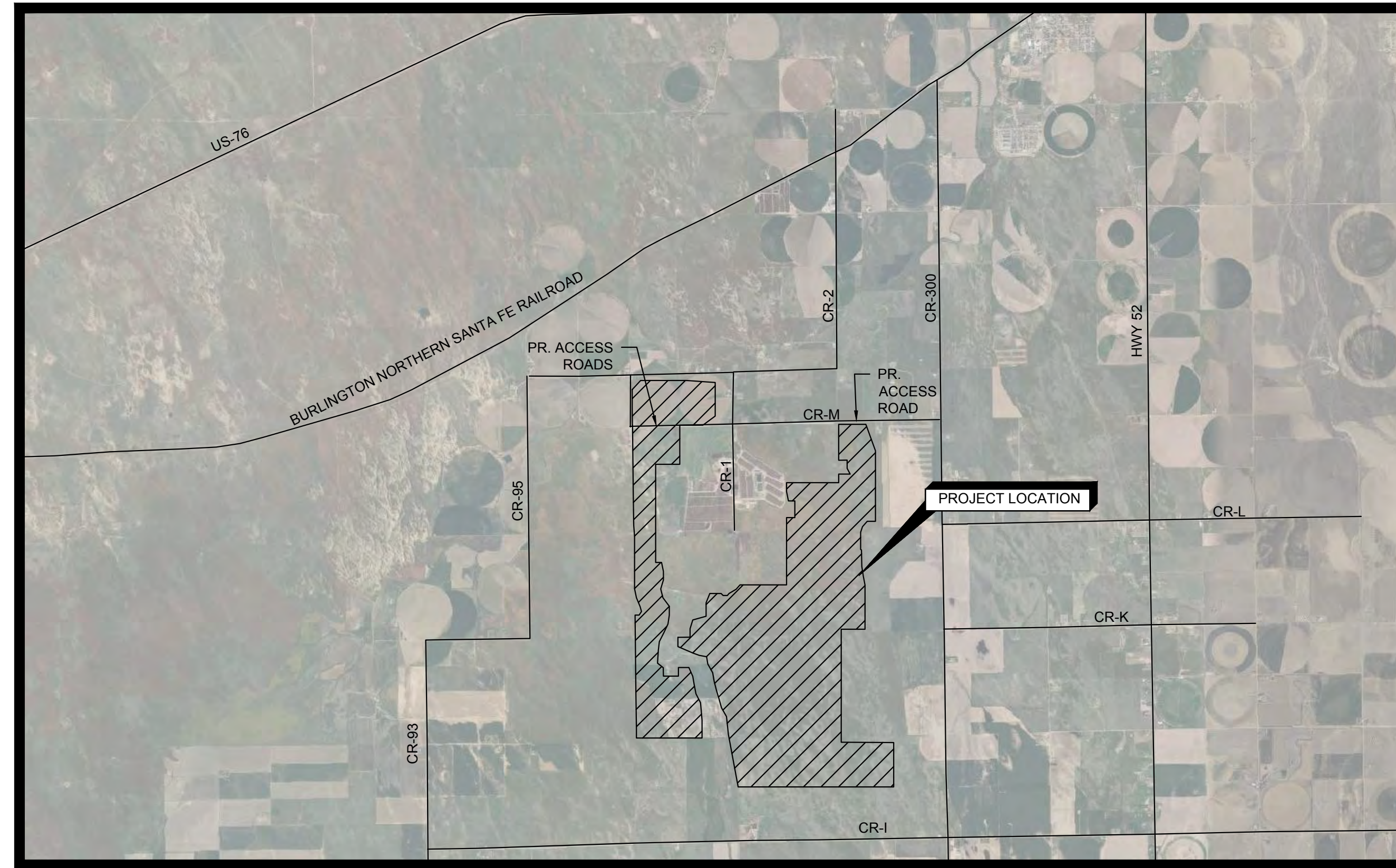
PRELIMINARY EROSION CONTROL PLANS

FOR

TAEOR SOLAR PHASE 1

LOCATED IN

MORGAN COUNTY, COLORADO



SURVEY NOTE

COORDINATE SYSTEM: COLORADO NORTH ZONE
 HORIZONTAL DATUM: NAD 83 (2011 ADJ)

FEMA FLOOD ZONE NOTE:

A PORTION OF THE PROPERTY LIES WITHIN TYPE A FLOOD ZONE (100 YEAR FLOOD HAZARD WITH NO DEFINED BASE FLOOD ELEVATION) PER FLOOD MAP PANELS 08087C0550D AND 08087C0575D (4/4/2018). FEMA ZONE A IS OUTSIDE THE BUILDABLE LIMITS OF THIS PROJECT.



PROJECT INFORMATION

PROJECT NAME:	TAEOR SOLAR PHASE 1
SITE ADDRESS:	MORGAN COUNTY, CO
TOTAL DEVELOPMENT AREA:	3,133 AC
EXISTING ZONING:	AGRICULTURAL
PROPOSED USE:	SOLAR COLLECTOR FACILITY, AGRICULTURAL ZONE

PROJECT TEAM

OWNER	CIVIL ENGINEER
BALANCED ROCK POWER	KIMLEY-HORN AND ASSOCIATES, INC.
310 E 100 S	6200 SOUTH SYRACUSE WAY, SUITE 300
MOAB, UT 84532	GREENWOOD VILLAGE, CO 80111
CONTACT: LIAM NORRIS	CONTACT: ERIK STROCK
PHONE: (480) 544-3919	PHONE: (303) 226-6805

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
EC0.0	COVER
EC0.1	GENERAL NOTES
EC1.0	OVERALL EROSION CONTROL PLAN
EC1.1	EROSION CONTROL PLAN
EC1.2	EROSION CONTROL PLAN
EC1.3	EROSION CONTROL PLAN
EC1.4	EROSION CONTROL PLAN
EC1.5	EROSION CONTROL PLAN
EC1.6	EROSION CONTROL PLAN
EC2.0	EROSION CONTROL DETAILS

Plotted By: Grassmann, Krista - Sheet Set: KHA - Layout: EC0.0 COVER - July 26, 2023 - 03:34:48pm - K:\DEN_Civil\Solar\Balanced Rock Power\194500005_Taelor\CADD\3_PlanSheets\COVER.dwg
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COVER	PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION								
TAEOR SOLAR PHASE 1 FACILITY <small>MORGAN COUNTY, CO</small>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">KHA PROJECT 194500005</td> <td style="width: 50%;">DATE 07/26/2023</td> </tr> <tr> <td>SCALE AS SHOWN</td> <td>DESIGNED BY KLG</td> </tr> <tr> <td>DRAWN BY KLG</td> <td>CHECKED BY ERS</td> </tr> </table>	KHA PROJECT 194500005	DATE 07/26/2023	SCALE AS SHOWN	DESIGNED BY KLG	DRAWN BY KLG	CHECKED BY ERS		
KHA PROJECT 194500005	DATE 07/26/2023								
SCALE AS SHOWN	DESIGNED BY KLG								
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SHEET NUMBER EC0.0	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">No.</td> <td style="width: 50%;">DATE</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">07/26/2023</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">06/16/2023</td> </tr> <tr> <td style="text-align: center;">No.</td> <td style="text-align: center;">REVISIONS</td> </tr> </table>	No.	DATE	2	07/26/2023	1	06/16/2023	No.	REVISIONS
No.	DATE								
2	07/26/2023								
1	06/16/2023								
No.	REVISIONS								



Plotted By: Grassmann, Krista - Sheet: KHA - Layout: ECO.1 - GENERAL NOTES - July 26, 2023 - 03:34:51pm - K:\BEN_civil\Solar\Balanced Rock Power\194500005 - Table: CADDED - PlanSheets\COVER.dwg
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GENERAL EROSION CONTROL NOTES

1. BMPs ARE SHOWN SCHEMATICALLY HEREON; FOR PRECISE LOCATION REFER TO DETAILS OR CONSULT ENGINEER.
2. CONTRACTOR SHALL PROVIDE, MAINTAIN, AND INDICATE ON THIS PLAN
 - A. VEHICLE WASH AREA
 - B. CONTAINER AND MATERIALS STORAGE AREA
 - C. FUELING AREA
 - D. STOCKPILE LOCATIONS
 - E. SANITARY AREA
 - F. VEHICLE AND EQUIPMENT MAINTENANCE
 - G. OTHER APPROPRIATE BEST MANAGEMENT PRACTICES)
 - H. SECONDARY CONTAINMENT FOR POTENTIAL SPILLS
3. PRIOR TO WORK, SITE VEGETATION IS 85%.
4. THIS PLAN SHEET SHOULD BE UPDATED AS NEEDED BY THE CONTRACTOR TO PROPERLY ACCOMMODATE FIELD CONDITIONS DETERMINED ON SITE AND THROUGHOUT CONSTRUCTION ACTIVITIES.
5. CONTRACTOR IS SOLELY RESPONSIBLE FOR IMPLEMENTATION, AND MAINTENANCE OF ALL SWMP CONTROLS.
6. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT ON ORIGINAL SWMP OR NOT) DIRECTLY ON THIS SITE MAP.
7. DRAINAGE PATTERNS ARE SHOWN ON THIS PLAN BY EXISTING CONTOURS.
8. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE.
9. CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE.
10. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWMP/SITE MAP TO INCLUDE BMP'S FOR ANY OFF-SITE MATERIAL WASTE, BORROW OR EQUIPMENT STORAGE AREAS.
11. CONTRACTOR IS RESPONSIBLE FOR SUBMITTAL OF NOI, NOT, POSTING OF SITE NOTICES, AND ANY ADDITIONAL INFORMATION OR SUBMITTALS REQUIRED BY COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT, EPA, OR LOCAL JURISDICTION.
12. CONTRACTOR SHALL TEMPORARILY STABILIZE AREAS OF DISTURBANCE WITHIN 7 DAYS AFTER THE COMPLETION OF CONSTRUCTION ACTIVITIES IF AN AREA IS TO LIE DORMANT LONGER THAN 14 DAYS. TEMPORARY STABILIZATION MEASURES INCLUDE BUT ARE NOT LIMITED TO: EROSION CONTROL BLANKET, SILT FENCE, ADDITIONAL TEMPORARY SEEDING, AND/OR ADDITIONAL MEASURES AS APPROVED BY THE ENGINEER.
13. CONTRACTOR SHALL MONITOR LOCAL WEATHER FORECASTS AND HAVE ENHANCED BMP MEASURES INSTALLED PRIOR TO ANY QUALIFYING STORM EVENT.
14. WHERE SILT FENCE AND EARTH DIKE ARE INSTALLED ADJACENT TO ONE ANOTHER, SILT FENCE SHALL OVERLAP EARTH DIKE A MINIMUM OF 10 FEET.
15. CONTRACTOR SHALL HAVE ADDITIONAL BMP'S STOCKPILED ON SITE IN PREPARATION FOR POTENTIAL STORM EVENTS. CONTRACTOR SHALL MONITOR WEATHER PATTERNS AND ENSURE SITE IS PROPERLY STABILIZED WITH APPROPRIATE BMP MEASURES PRIOR TO ANY STORM EVENT.
16. CONTRACTOR SHALL PRESERVE VEGETATION OUTSIDE OF THE LIMITS OF DISTURBANCE AND SHALL ALLOW VEGETATION WITHIN DISTURBED AREAS TO GROW BACK POST-CONSTRUCTION.

SHEET NUMBER
EC0.1

**TAELOL SOLAR
 PHASE 1
 FACILITY**
 MORGAN COUNTY, CO

GENERAL NOTES

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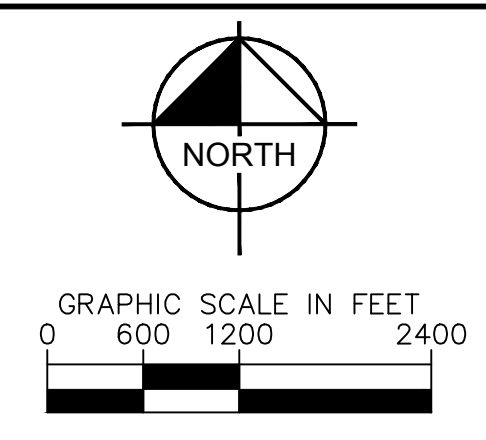
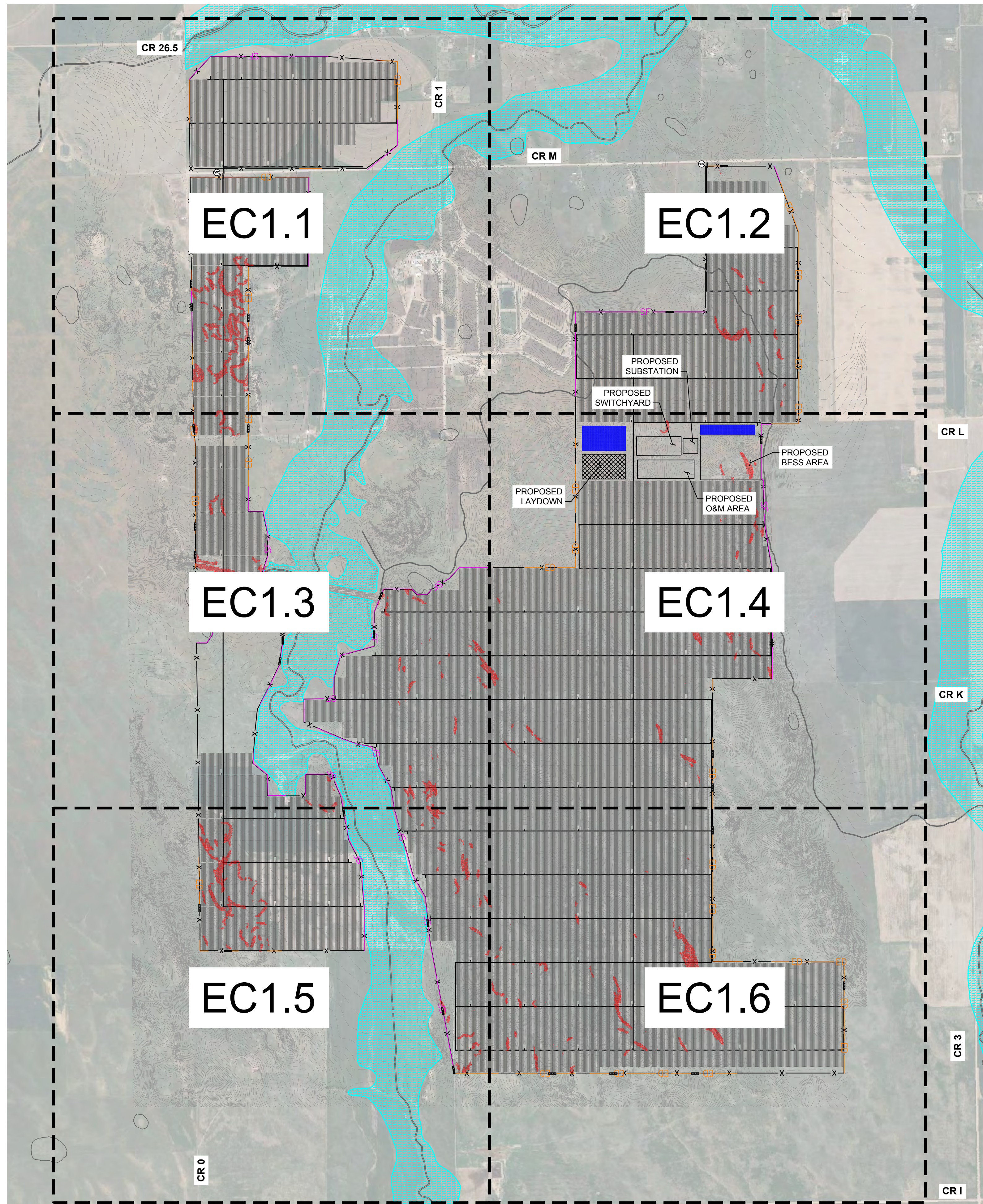
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2	REVISION 2	07/26/2023
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Plotted By: Grossmann, Krista Sheet: KHA-Layout: EC1.0 - OVERALL EROSION CONTROL July 26, 2023 03:34:58pm K:\DEN_Civil\Solar\Balanced Rock Power\194500005 Taelor\CADD\3 PlanSheets\ESC_Sheets.dwg
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LEGEND

XXXX	EXISTING GRADE CONTOUR
X X	PROPOSED SECURITY FENCE
————	PROPOSED ACCESS ROAD
XXXXXX	MATERIALS LAYDOWN AREA
-----	PROPOSED ARRAY BLOCK OUTLINE
XXXXXX (VTC)	PROPOSED VEHICLE TRACKING CONTROL
-----	EXISTING WATER FEATURE
SF	SILT FENCE
ED ED ED	EARTH DIKE
XXXX	ROCK OUTLET
~~~~~	DIRECTION OF STORMWATER FLOW
~~~~~	ZONE A FEMA FLOODPLAIN
-----	PR. INTERNAL EROSION CONTROL AREAS
-----	PR. PERMANENT DETENTION POND

No.	REVISIONS	DATE
2	REVISION 2	07/31/2023
1	REVISION 1	06/16/2023



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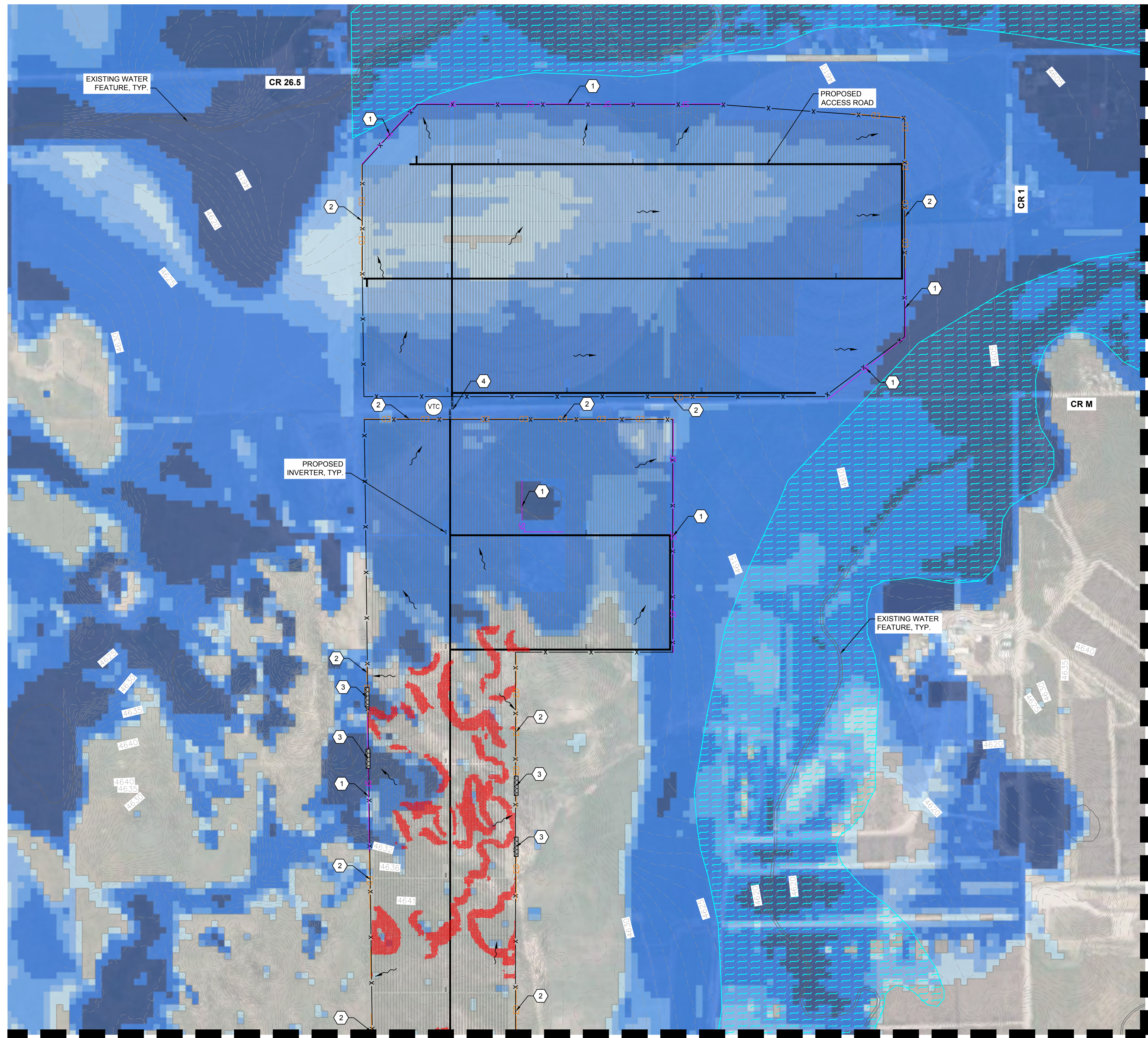
**OVERALL EROSION
 CONTROL PLAN**

**TAELOL SOLAR
 PHASE 1
 FACILITY**
 MORGAN COUNTY, CO

SHEET NUMBER
EC1.0

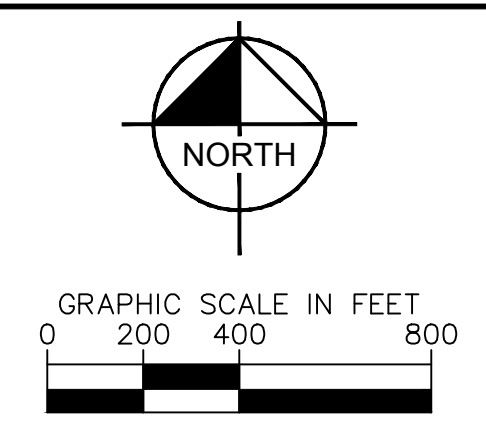


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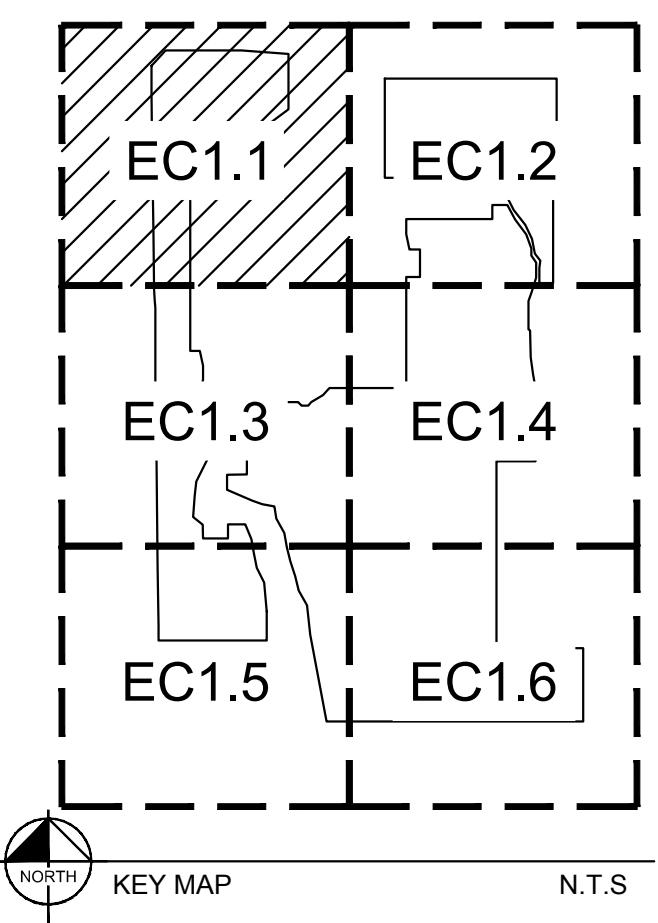
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- LEGEND**
- XXXXX EXISTING GRADE CONTOUR
 - X X PROPOSED SECURITY FENCE
 - PROPOSED ACCESS ROAD
 - MATERIALS LAYDOWN AREA
 - PROPOSED ARRAY BLOCK OUTLINE
 - (VTC) PROPOSED VEHICLE TRACKING CONTROL
 - EXISTING WATER FEATURE
 - SF SILT FENCE
 - ED ED ED EARTH DIKE
 - ROCK OUTLET
 - DIRECTION OF STORMWATER FLOW
 - ZONE A FEMA FLOODPLAIN
 - PR. INTERNAL EROSION CONTROL AREAS
 - PR. PERMANENT DETENTION POND

- EROSION CONTROL NOTES**
- 1 INSTALL SILT FENCE, SEE DETAIL 1, SHEET EC2.0
 - 2 INSTALL EARTH DIKE, SEE DETAIL 2, SHEET EC2.0
 - 3 INSTALL ROCK OUTLET SEE DETAIL 3, SHEET EC2.0
 - 4 CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET EC2.0

- PROVIDED FLOOD DEPTH AND SCOUR (FT)**
- FLOOD DEPTH (0.50 - 1.00)
 - FLOOD DEPTH (1.00 - 1.50)
 - FLOOD DEPTH (1.50 - 2.00)
 - FLOOD DEPTH (2.01 - 4.00)
 - FLOOD DEPTH (4.01+)



KEY MAP N.T.S.

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EROSION CONTROL
 PLAN

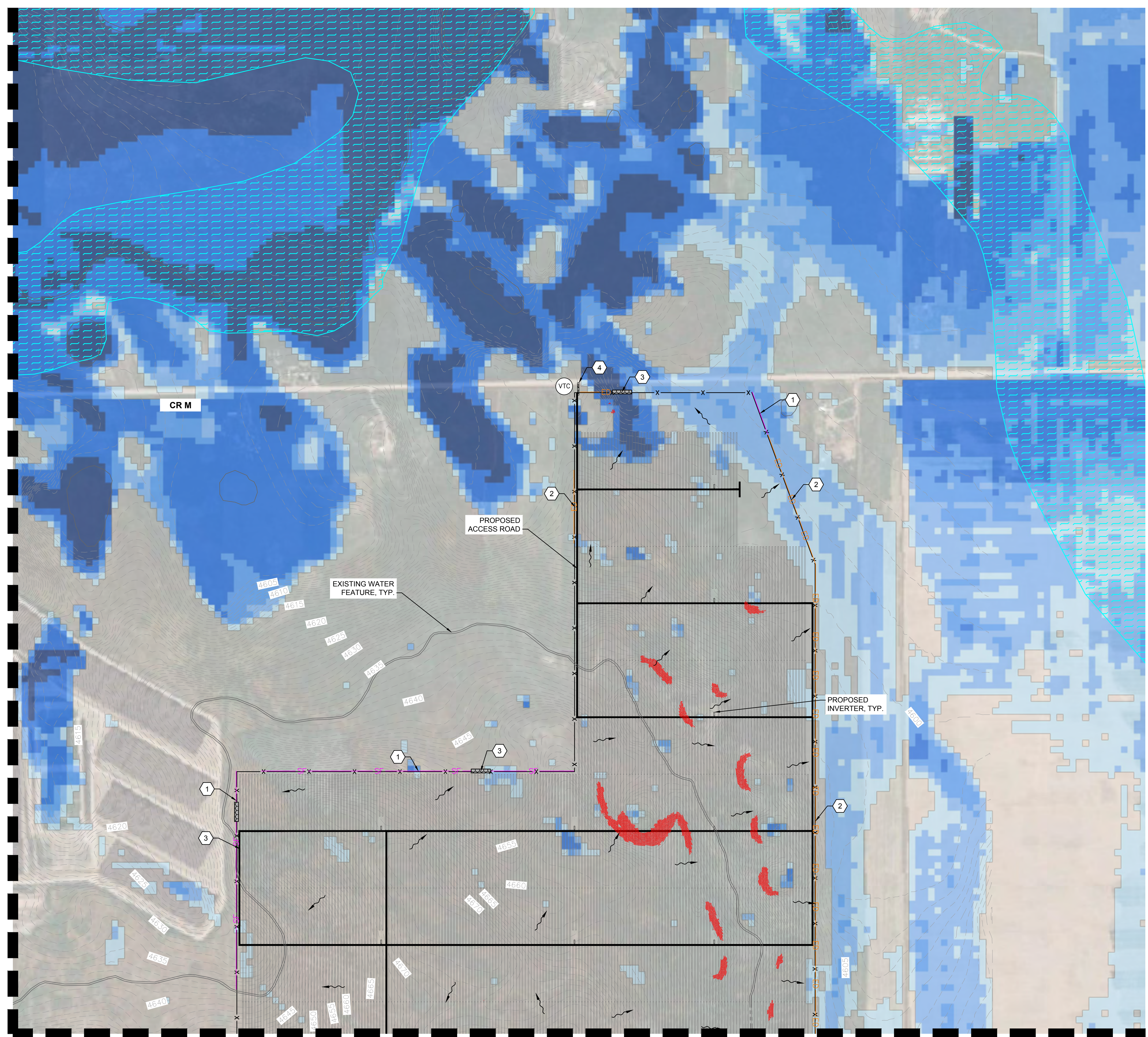
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 PHASE 1
 FACILITY
 MORGAN COUNTY, CO

SHEET NUMBER
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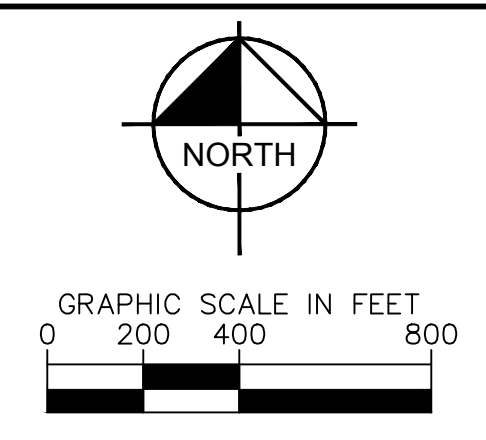


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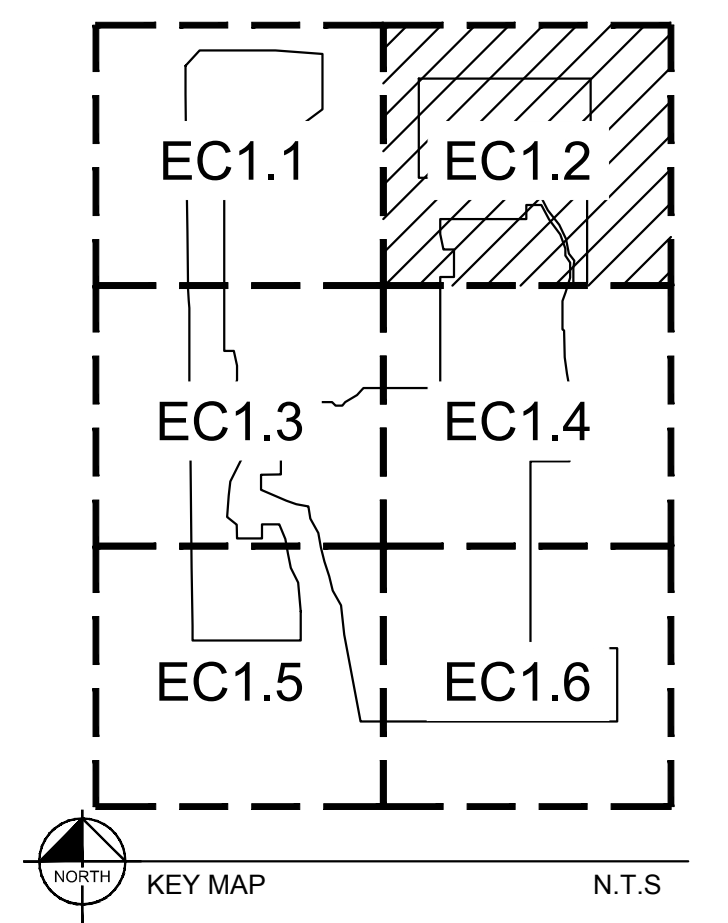
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- LEGEND**
- XXXX EXISTING GRADE CONTOUR
 - X X PROPOSED SECURITY FENCE
 - PROPOSED ACCESS ROAD
 - MATERIALS LAYDOWN AREA
 - PROPOSED ARRAY BLOCK OUTLINE
 - PROPOSED VEHICLE TRACKING CONTROL (VTC)
 - EXISTING WATER FEATURE
 - SF SILT FENCE
 - ED ED ED EARTH DIKE
 - ROCK OUTLET
 - DIRECTION OF STORMWATER FLOW
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 - PR. PERMANENT DETENTION POND

- EROSION CONTROL NOTES**
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 - 2 INSTALL EARTH DIKE, SEE DETAIL 2, SHEET EC2.0
 - 3 INSTALL ROCK OUTLET SEE DETAIL 3, SHEET EC2.0
 - 4 CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET EC2.0

- PROVIDED FLOOD DEPTH AND SCOUR (FT)**
- FLOOD DEPTH (0.50 - 1.00)
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 - FLOOD DEPTH (1.50 - 2.00)
 - FLOOD DEPTH (2.01 - 4.00)
 - FLOOD DEPTH (4.01+)

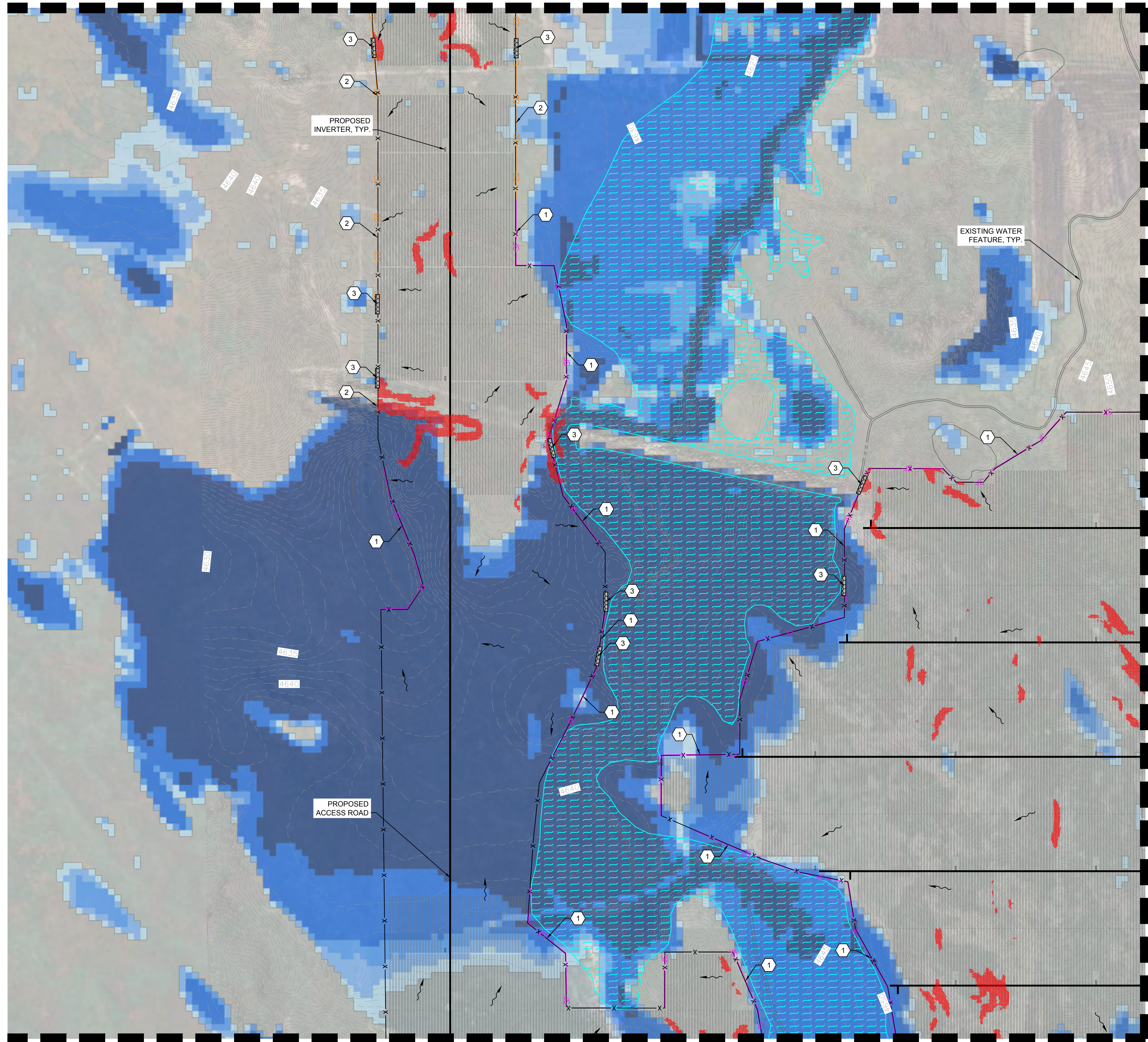


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TAELOL SOLAR PHASE 1 FACILITY MORGAN COUNTY, CO		EROSION CONTROL PLAN		SHEET NUMBER EC1.2	
REVISIONS No. 1 DATE 06/16/2023		REVISIONS No. 2 DATE 07/31/2023		REVISIONS No. 1 DATE 06/16/2023	



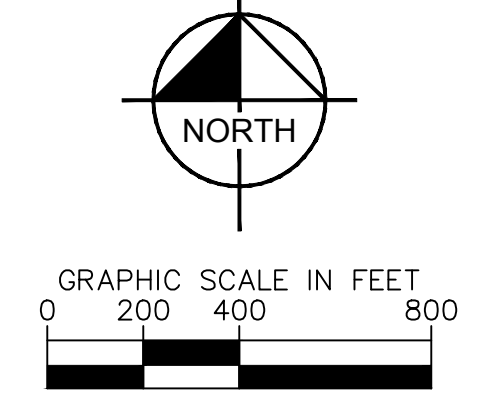
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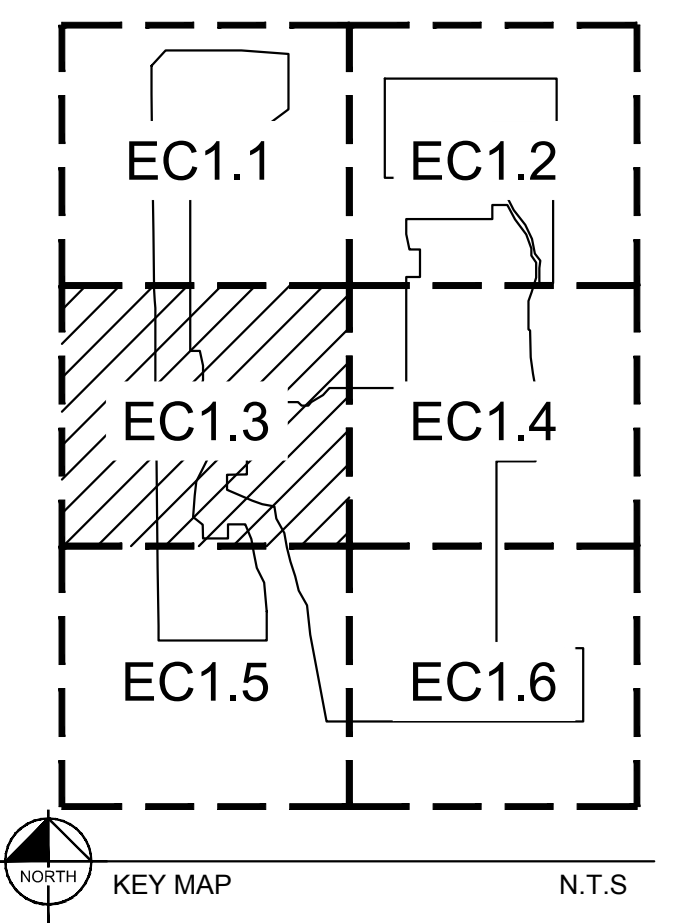
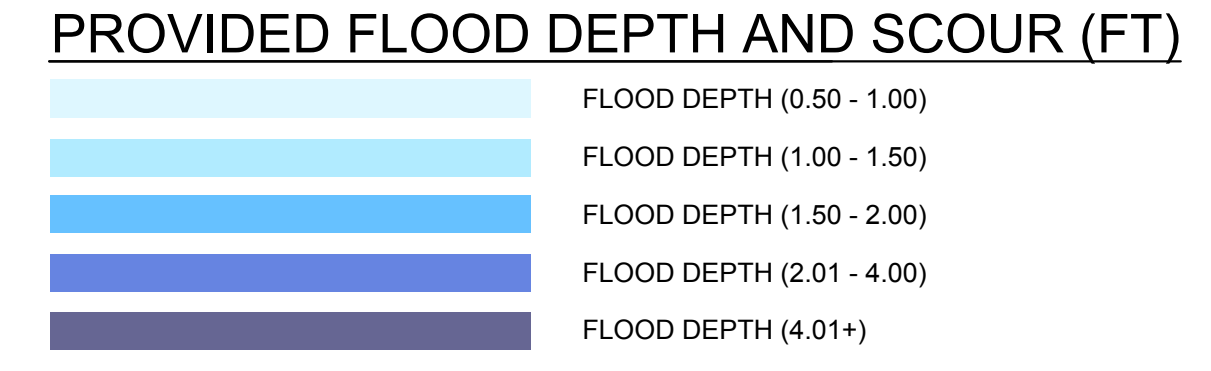
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MATCHLINE SEE SHEET
EC1.4



- LEGEND**
- XXXX EXISTING GRADE CONTOUR
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EROSION CONTROL
 PLAN

TAELOL SOLAR
 PHASE 1
 FACILITY
 MORGAN COUNTY, CO

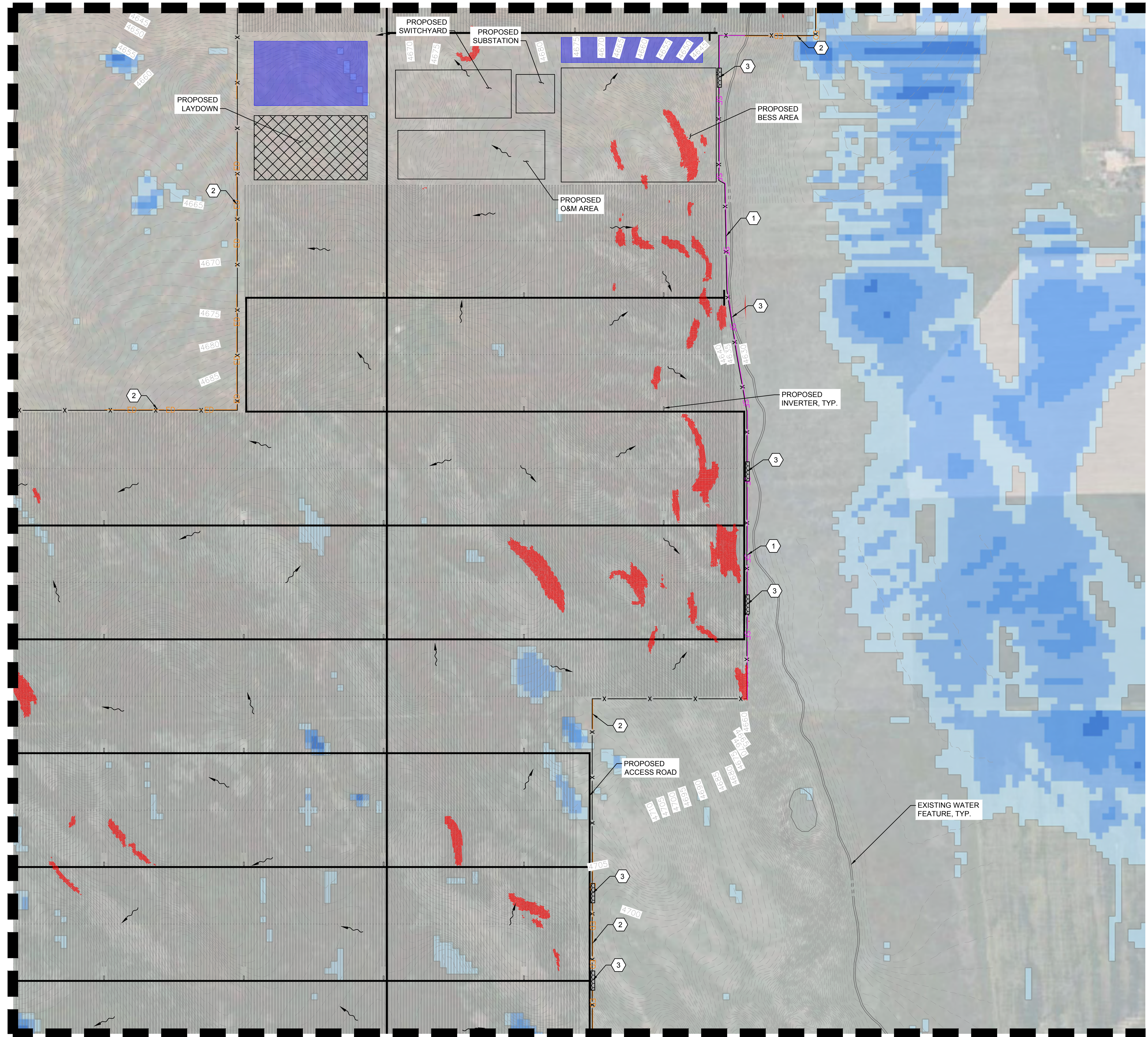
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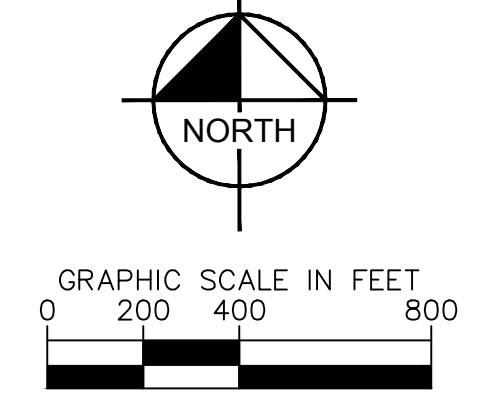
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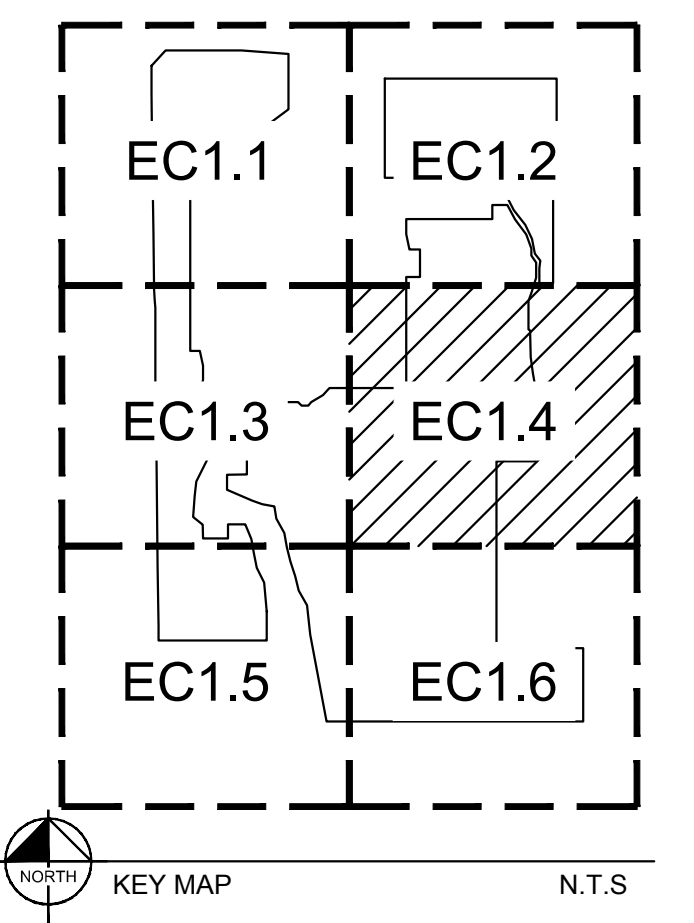
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- LEGEND**
- XXXX EXISTING GRADE CONTOUR
 - X X PROPOSED SECURITY FENCE
 - PROPOSED ACCESS ROAD
 - MATERIALS LAYDOWN AREA
 - PROPOSED ARRAY BLOCK OUTLINE
 - PROPOSED VEHICLE TRACKING CONTROL (VTC)
 - EXISTING WATER FEATURE
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- 1 INSTALL SILT FENCE, SEE DETAIL 1, SHEET EC2.0
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 - FLOOD DEPTH (4.01+)



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194500005	07/31/2023	AS SHOWN	KLG	MCL	ERS

EROSION CONTROL
 PLAN

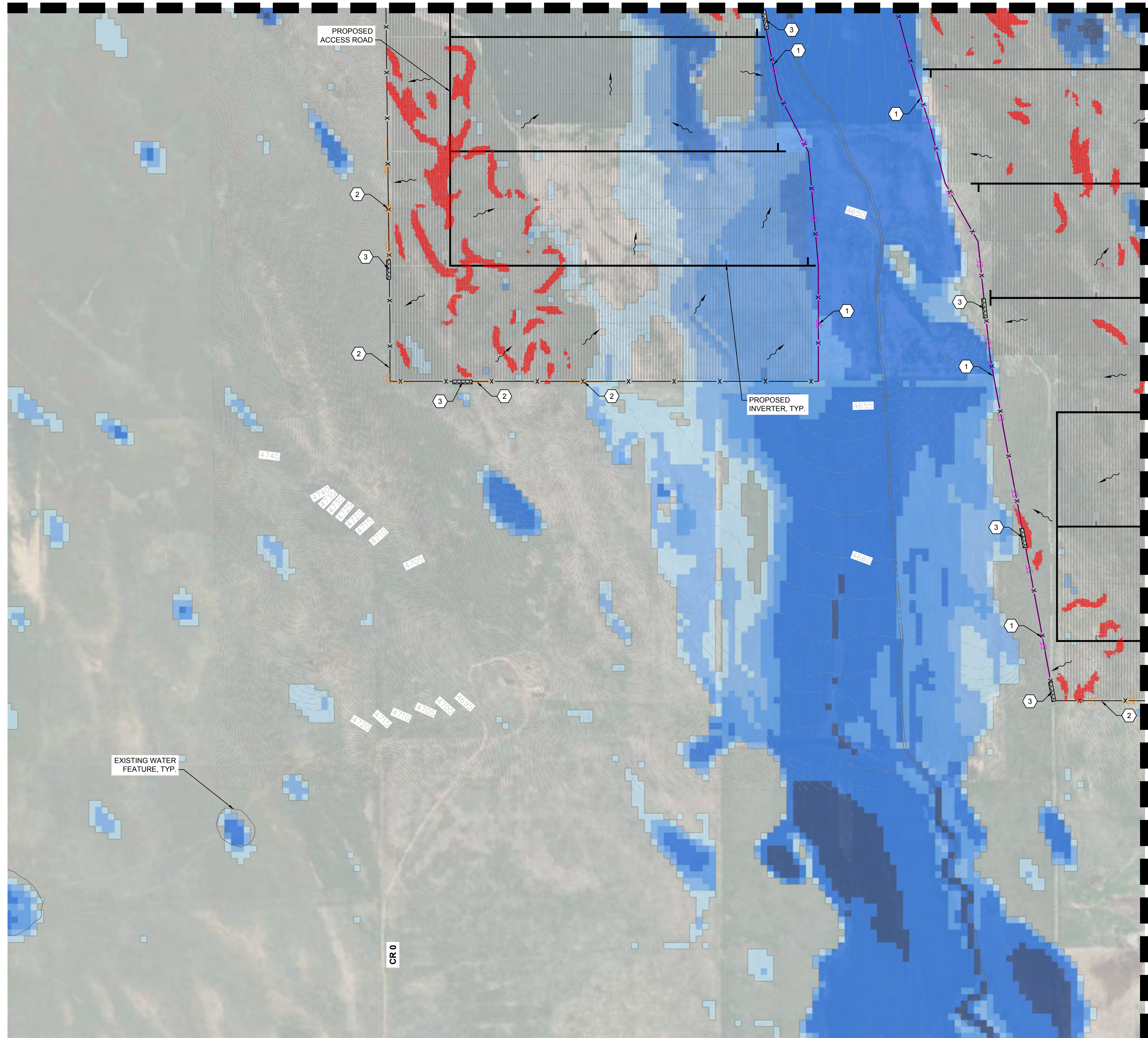
TAELOL SOLAR
 PHASE 1
 FACILITY
 MORGAN COUNTY, CO

SHEET NUMBER
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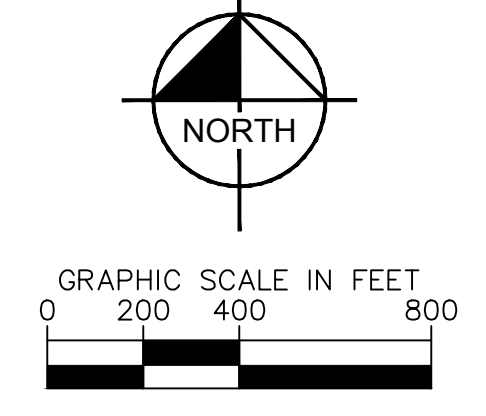


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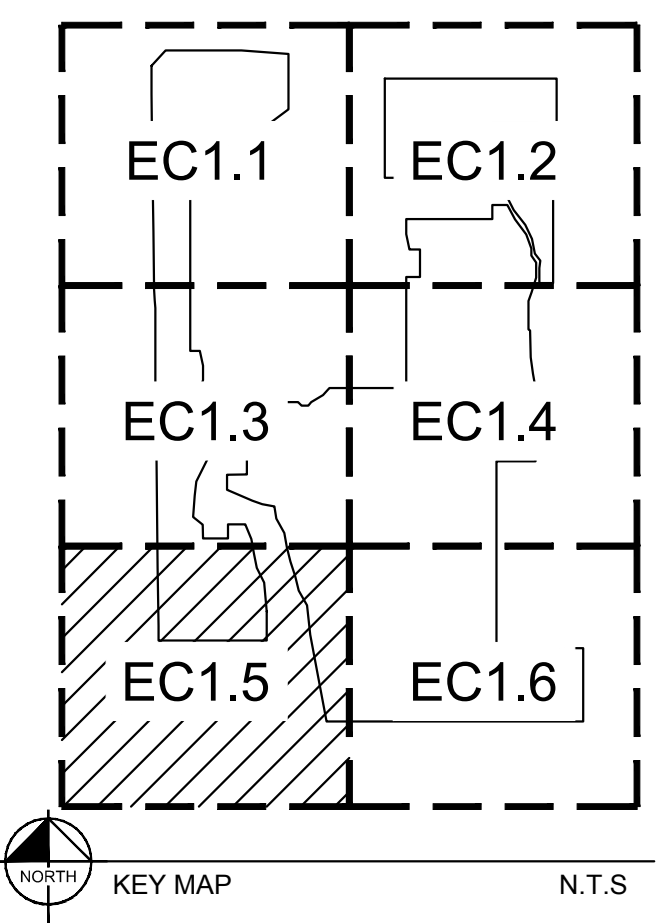
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EC1.6



- LEGEND**
- XXXX EXISTING GRADE CONTOUR
 - X X PROPOSED SECURITY FENCE
 - PROPOSED ACCESS ROAD
 - MATERIALS LAYDOWN AREA
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 - VTC PROPOSED VEHICLE TRACKING CONTROL
 - EXISTING WATER FEATURE
 - SF SILT FENCE
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 - ROCK OUTLET
 - DIRECTION OF STORMWATER FLOW
 - ZONE A FEMA FLOODPLAIN
 - PR. INTERNAL EROSION CONTROL AREAS
 - PR. PERMANENT DETENTION POND

- EROSION CONTROL NOTES**
- 1 INSTALL SILT FENCE, SEE DETAIL 1, SHEET EC2.0
 - 2 INSTALL EARTH DIKE, SEE DETAIL 2, SHEET EC2.0
 - 3 INSTALL ROCK OUTLET SEE DETAIL 3, SHEET EC2.0
 - 4 CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET EC2.0

- PROVIDED FLOOD DEPTH AND SCOUR (FT)**
- FLOOD DEPTH (0.50 - 1.00)
 - FLOOD DEPTH (1.00 - 1.50)
 - FLOOD DEPTH (1.50 - 2.00)
 - FLOOD DEPTH (2.01 - 4.00)
 - FLOOD DEPTH (4.01+)



No.	REVISIONS	DATE
2	REVISION 2	07/31/2023
1	REVISION 1	06/16/2023



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194500005	07/31/2023	AS SHOWN	KLG	MCL	ERS

EROSION CONTROL
PLAN

TAELOL SOLAR
PHASE 1
FACILITY
MORGAN COUNTY, CO

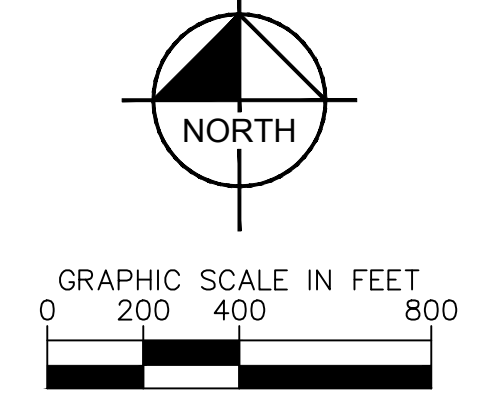
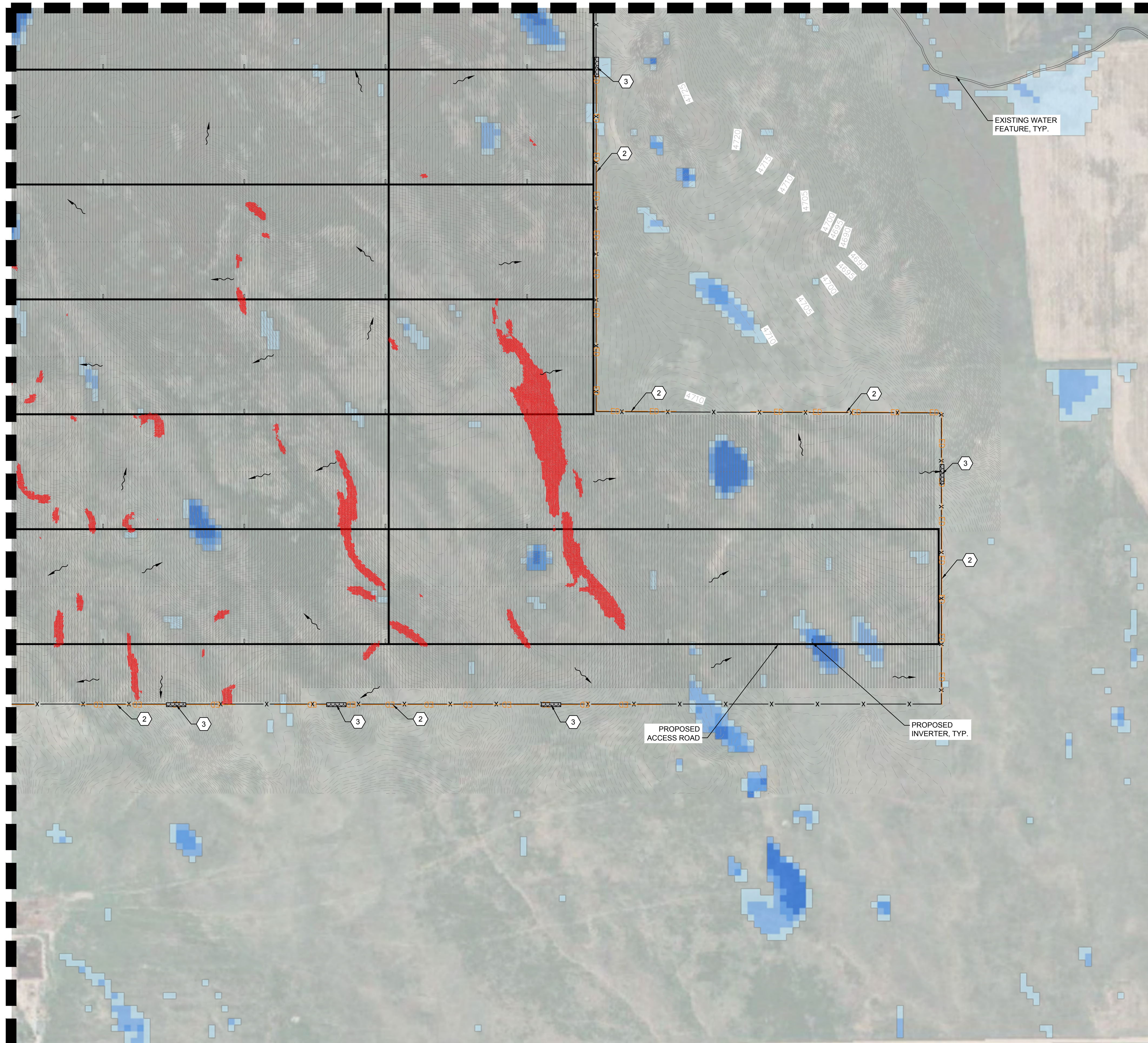
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MATCHLINE SEE SHEET
EC1.5

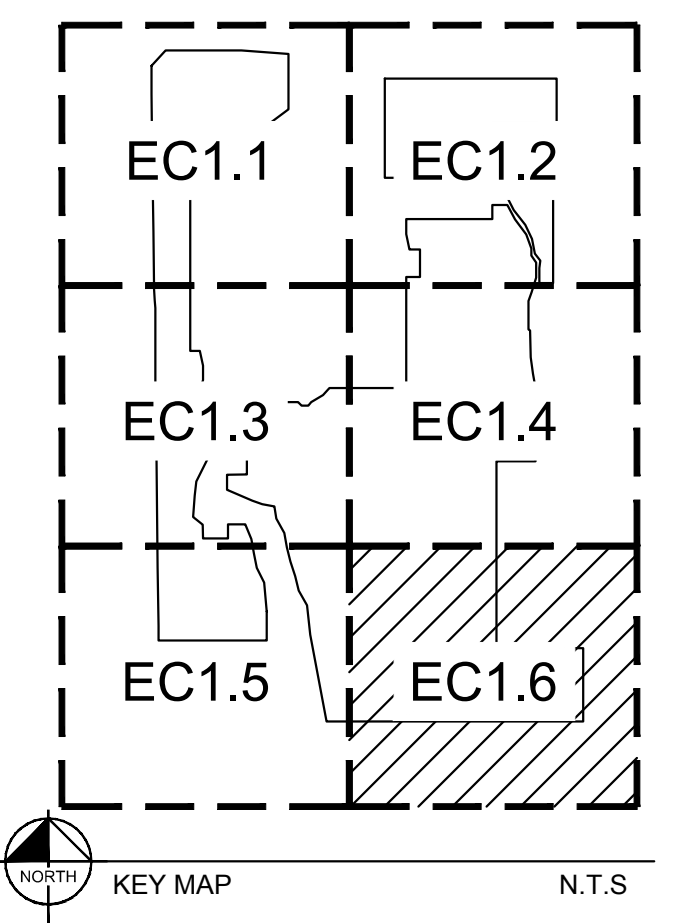
MATCHLINE SEE SHEET
EC1.4



- LEGEND**
- XXXXX EXISTING GRADE CONTOUR
 - X X PROPOSED SECURITY FENCE
 - PROPOSED ACCESS ROAD
 - MATERIALS LAYDOWN AREA
 - PROPOSED ARRAY BLOCK OUTLINE
 - PROPOSED VEHICLE TRACKING CONTROL (VTC)
 - EXISTING WATER FEATURE
 - SILT FENCE (SF)
 - EARTH DIKE (ED)
 - ROCK OUTLET
 - DIRECTION OF STORMWATER FLOW
 - ZONE A FEMA FLOODPLAIN
 - PR. INTERNAL EROSION CONTROL AREAS
 - PR. PERMANENT DETENTION POND

- EROSION CONTROL NOTES**
- 1 INSTALL SILT FENCE, SEE DETAIL 1, SHEET EC2.0
 - 2 INSTALL EARTH DIKE, SEE DETAIL 2, SHEET EC2.0
 - 3 INSTALL ROCK OUTLET SEE DETAIL 3, SHEET EC2.0
 - 4 CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET EC2.0

- PROVIDED FLOOD DEPTH AND SCOUR (FT)**
- FLOOD DEPTH (0.50 - 1.00)
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 - FLOOD DEPTH (1.50 - 2.00)
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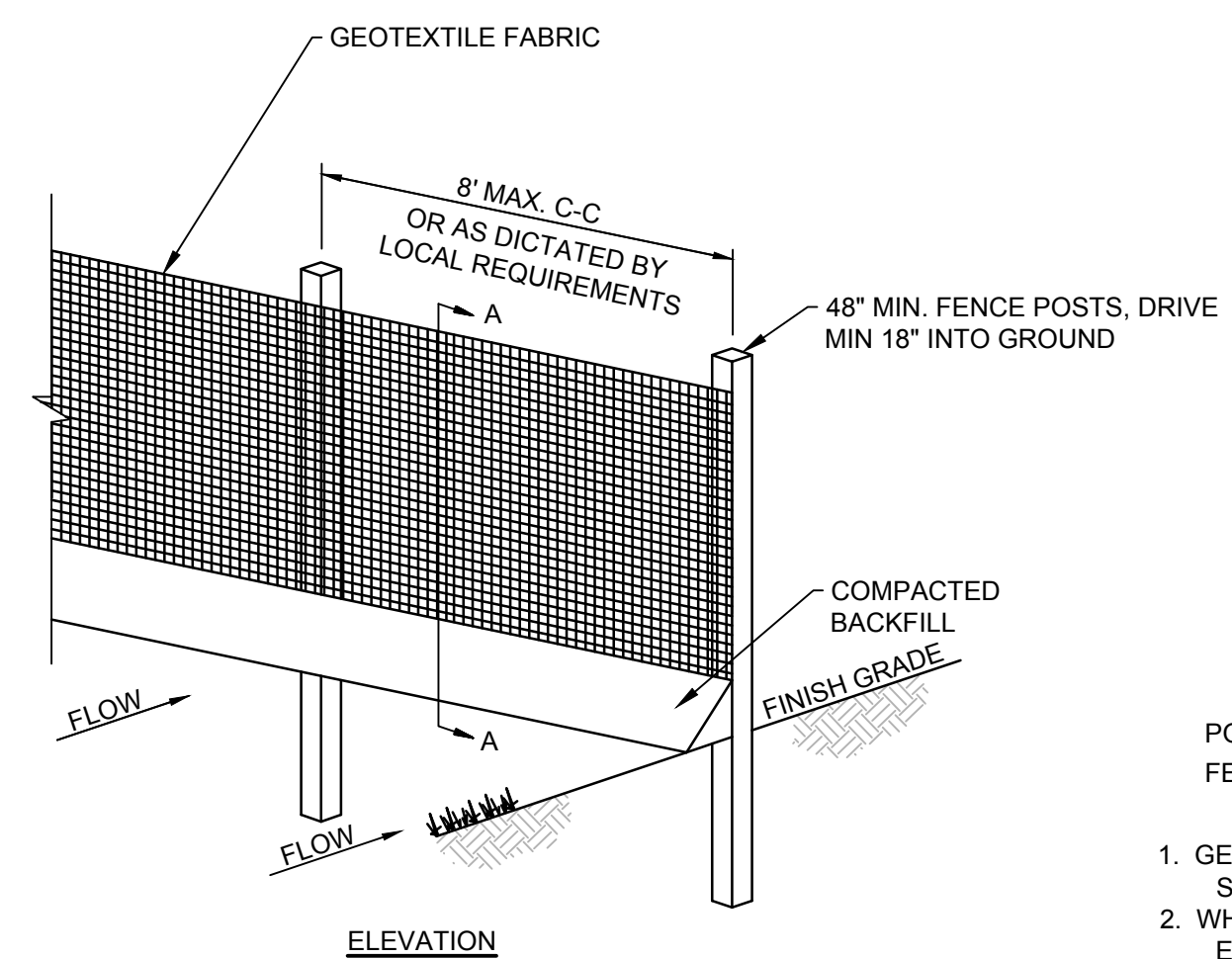
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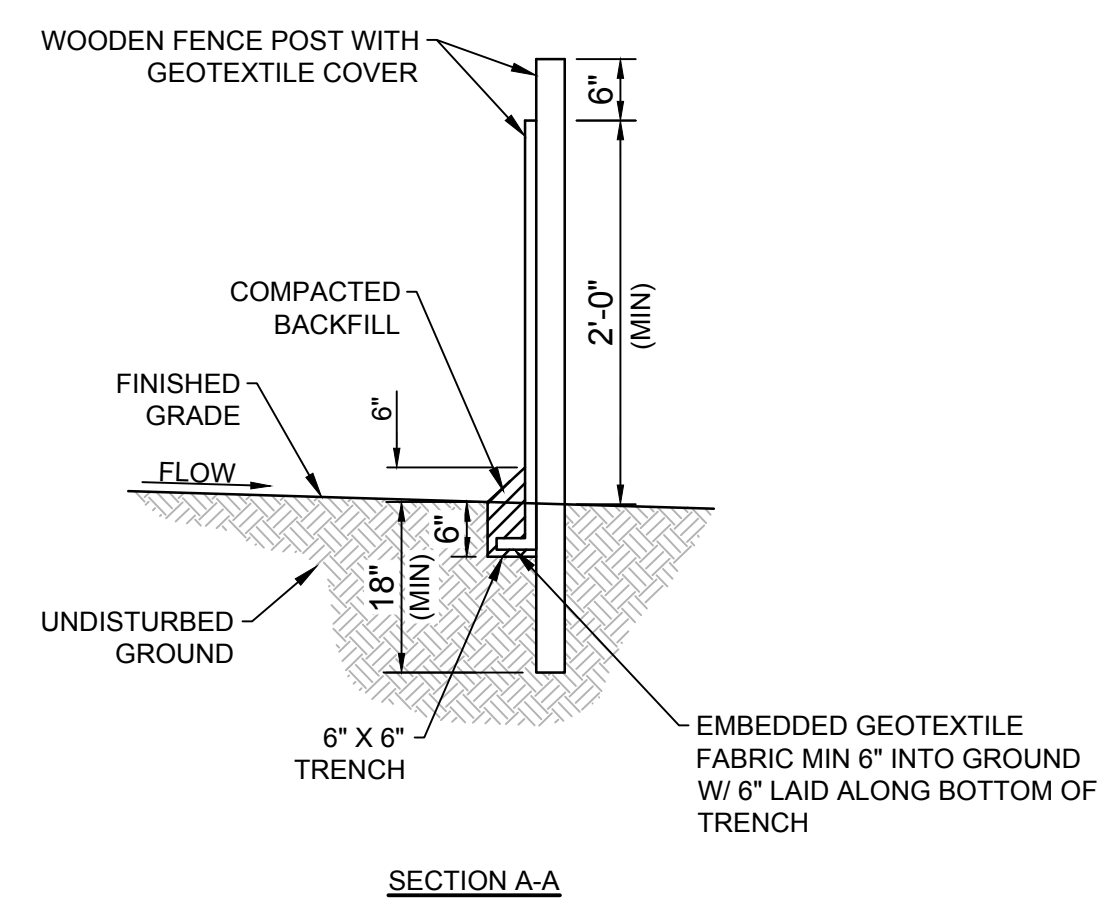
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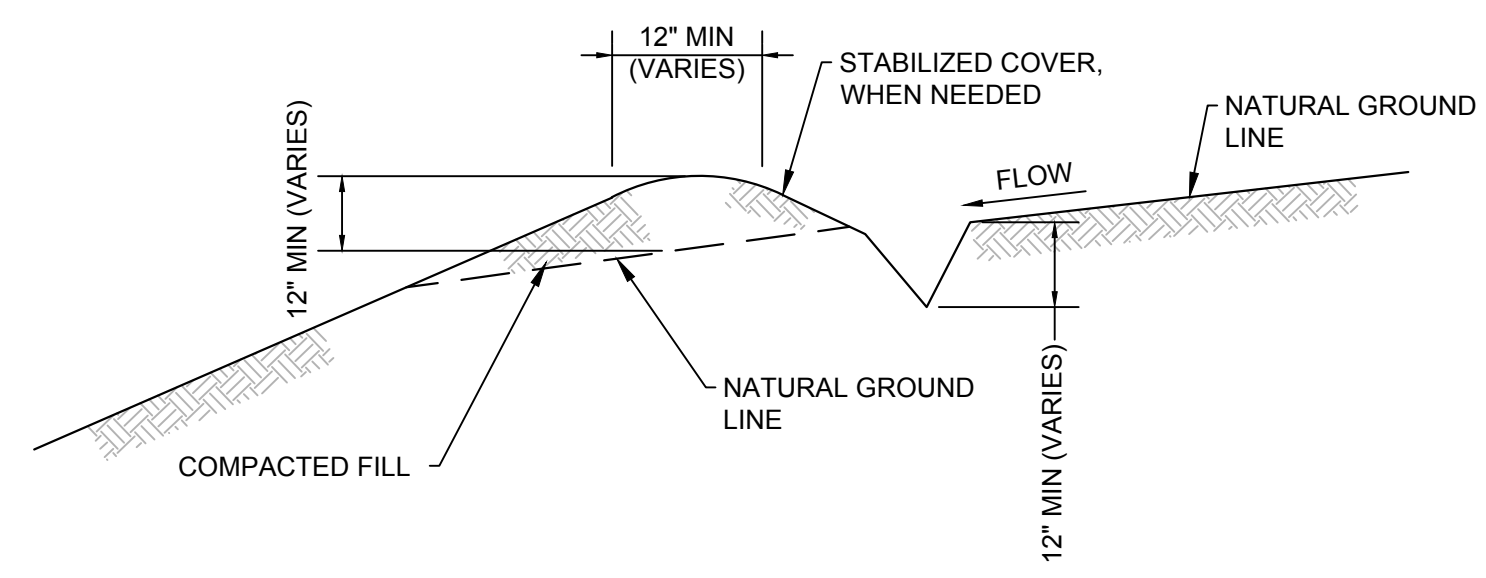
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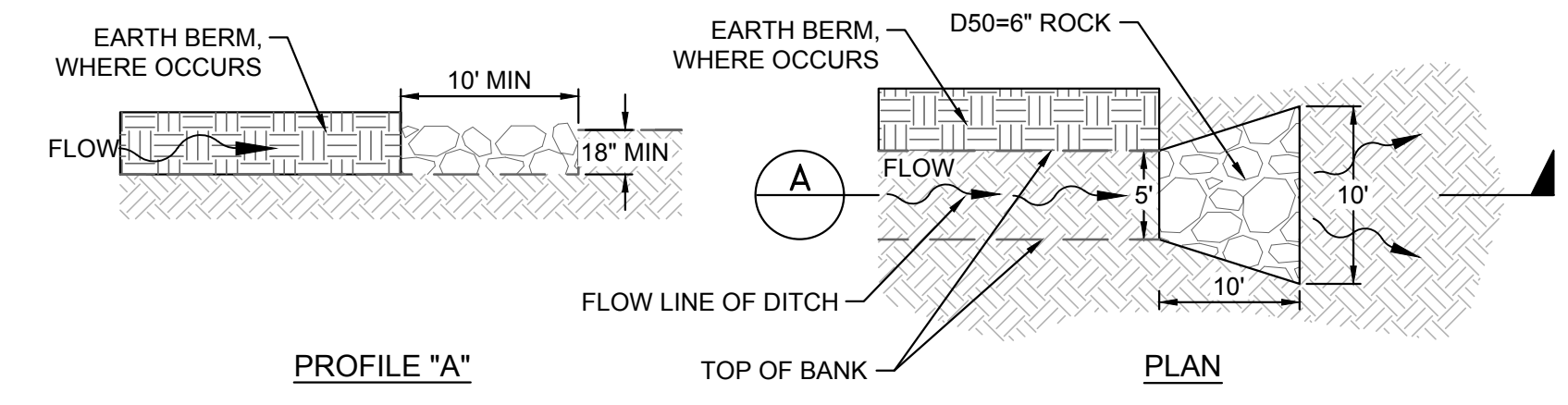
- POSTS: WOODEN
FENCE: GEOTEXTILE FABRIC
1. GEOTEXTILE FABRIC TO BE FASTENED SECURELY TO FENCE POSTS WITH STAPLES.
 2. WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 3. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 4. STAKES SHALL BE SPACED AT 8'-0" MAXIMUM AND SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.



1 SILT FENCE DETAIL

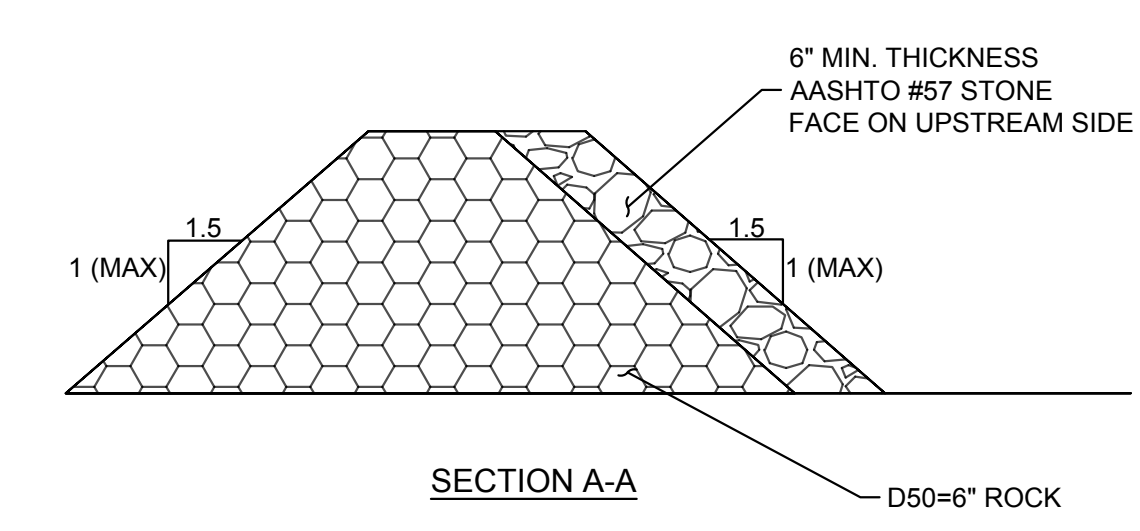
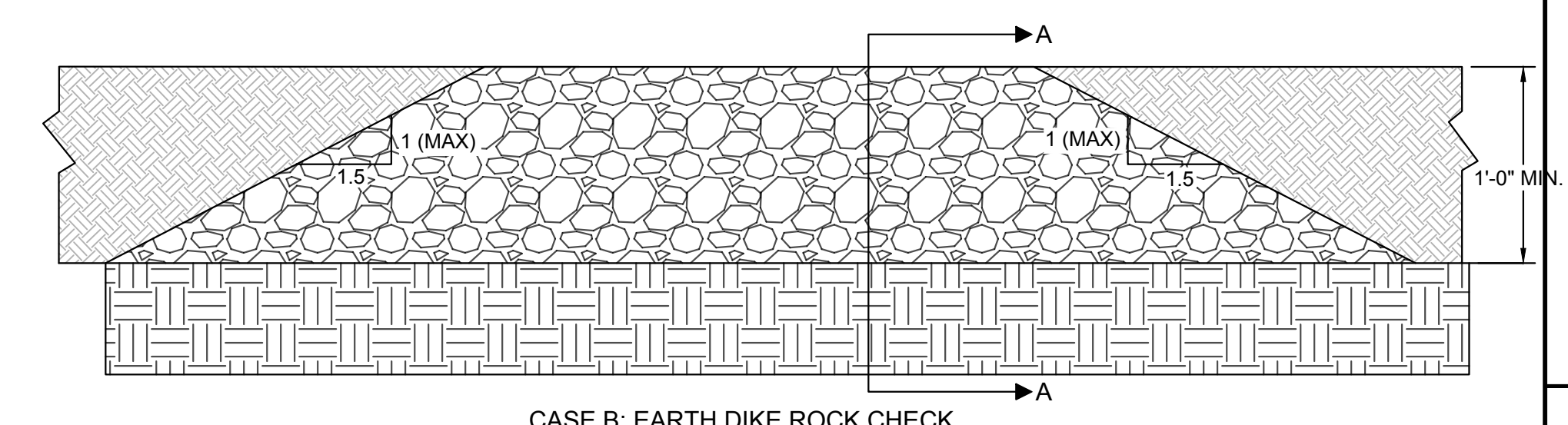
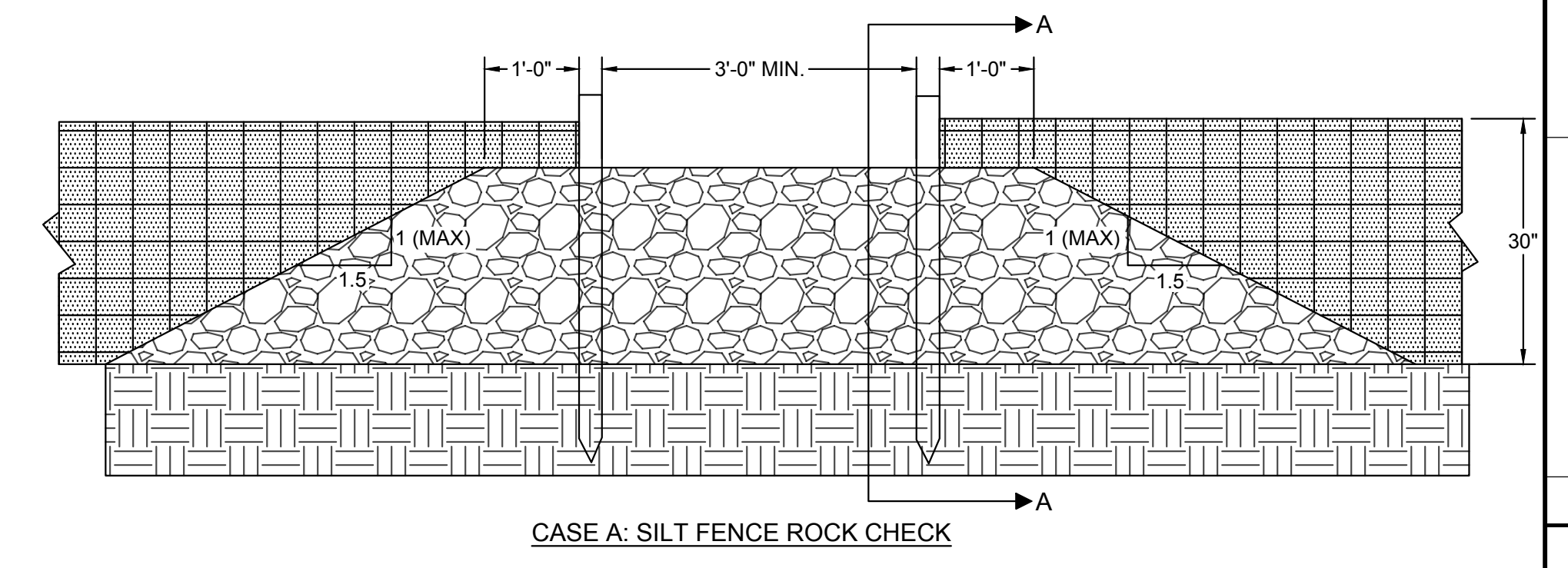


- CONSTRUCTION NOTES:
1. BERMS SHOULD BE PLACED PARALLEL WITH CONTOURS TO EFFECTIVELY DETAIN WATER AND SETTLE OUT SEDIMENT.
 2. IF BERMS ARE NOT PLACED PARALLEL WITH CONTOURS, EROSION ALONG BERM OR AT OUTLET MAY OCCUR.
 3. IF EROSION OCCURS, CONTOUR SHALL STABILIZE BY INSTALLING A RIP RAP DISSIPATOR AT POINTS OF EROSION AND SHALL RESTORE GRADE TO ORIGINAL CONDITION UPON STABILIZATION AND COMPLETION OF THE WORK.
 4. BERM SHALL BE COMPACTED TO 90% MINIMUM DENSITY.



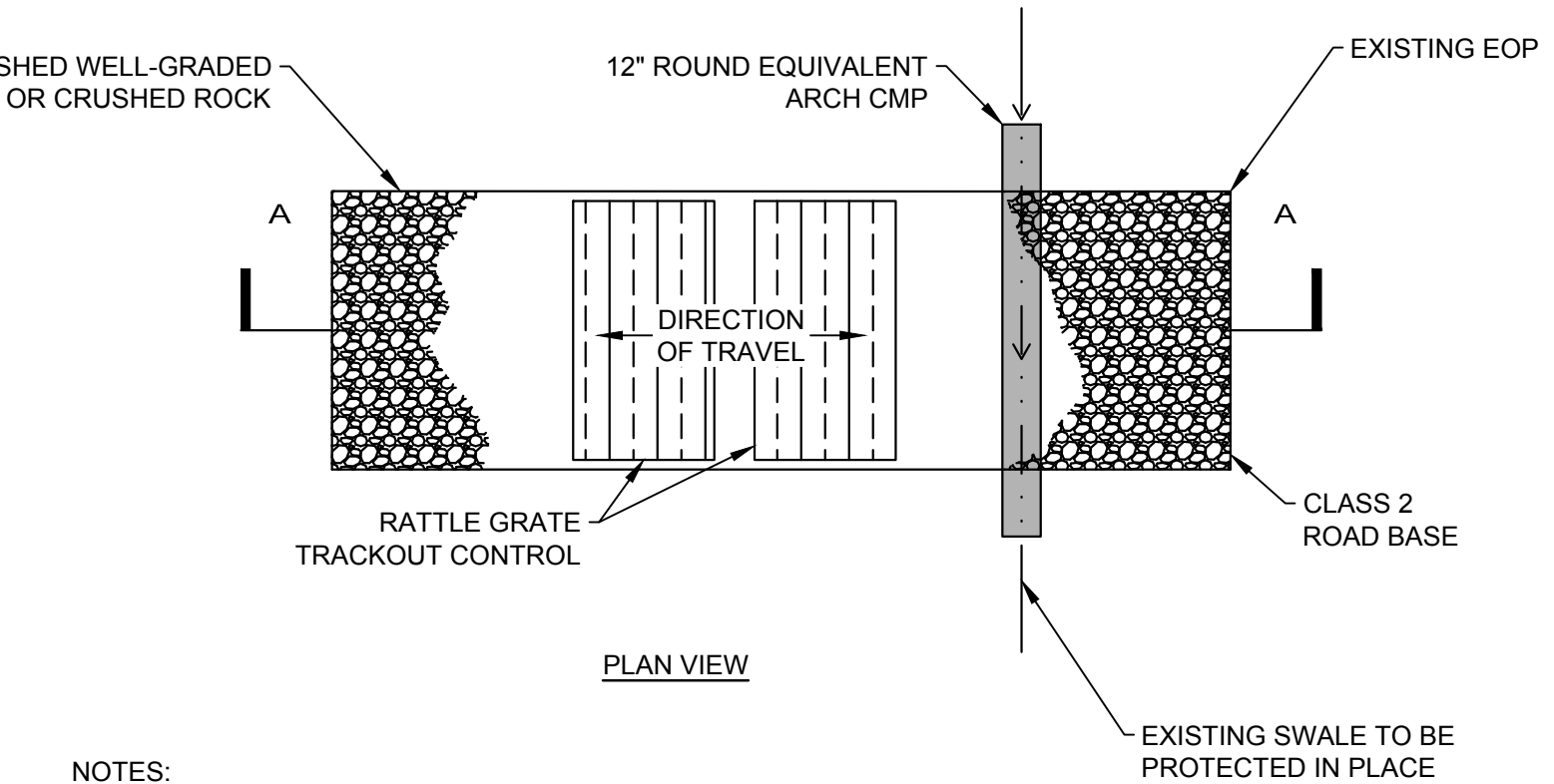
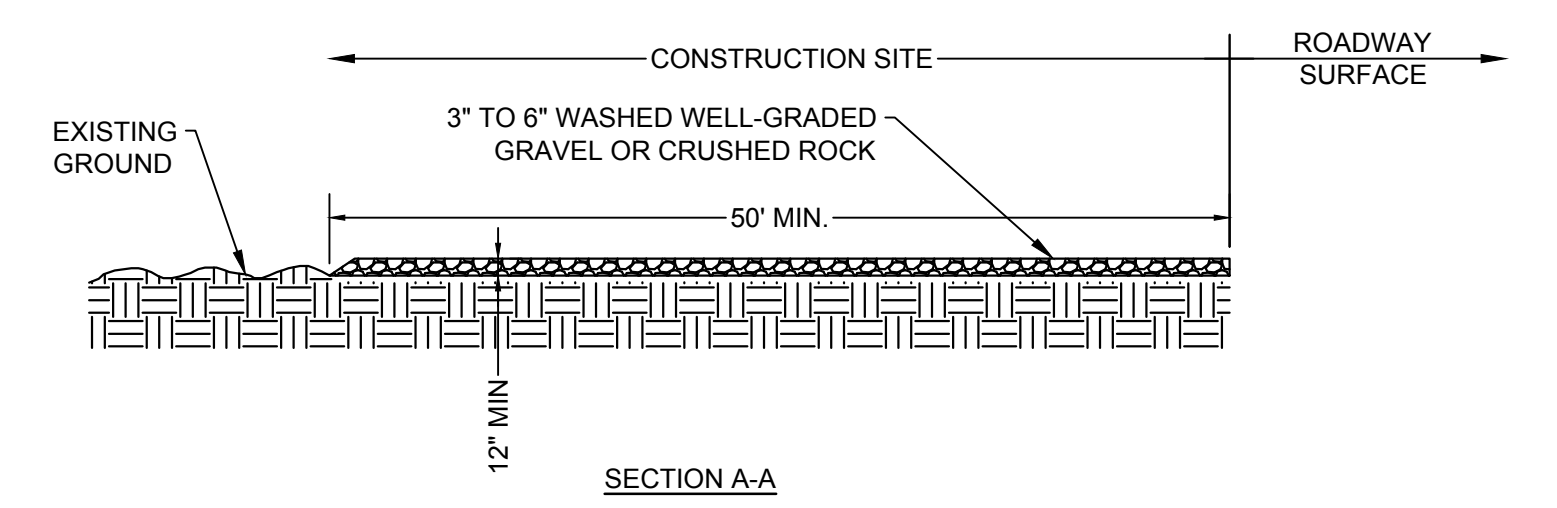
- CONSTRUCTION NOTES:
1. ADDITIONAL RIP RAP TO BE USED AS NEEDED ACCORDING TO OBSERVED STORMWATER CONDITIONS

2 TEMPORARY EROSION CONTROL EARTH DIKE DETAIL



- CONSTRUCTION NOTES:
1. ADDITIONAL RIP RAP TO BE USED AS NEEDED ACCORDING TO OBSERVED STORMWATER CONDITIONS

3 ROCK OUTLET DETAIL



- NOTES:
1. CONSTRUCTION EXIT PAD SHALL BE CONSTRUCTED OF 3" TO 6" WASHED, WELL-GRADED GRAVEL OR CRUSHED ROCK. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 12 INCHES.
 2. LENGTH OF CONSTRUCTION EXIT PAD SHALL BE A MINIMUM OF 50 FT. WIDTH SHALL BE A MIN. OF 24 FT OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADI.
 3. THE CONSTRUCTION EXIT PAD SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN NOTE 1.
 4. ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

4 CONSTRUCTION ENTRANCE DETAIL

Extended Detention Basin (EDB) T-5

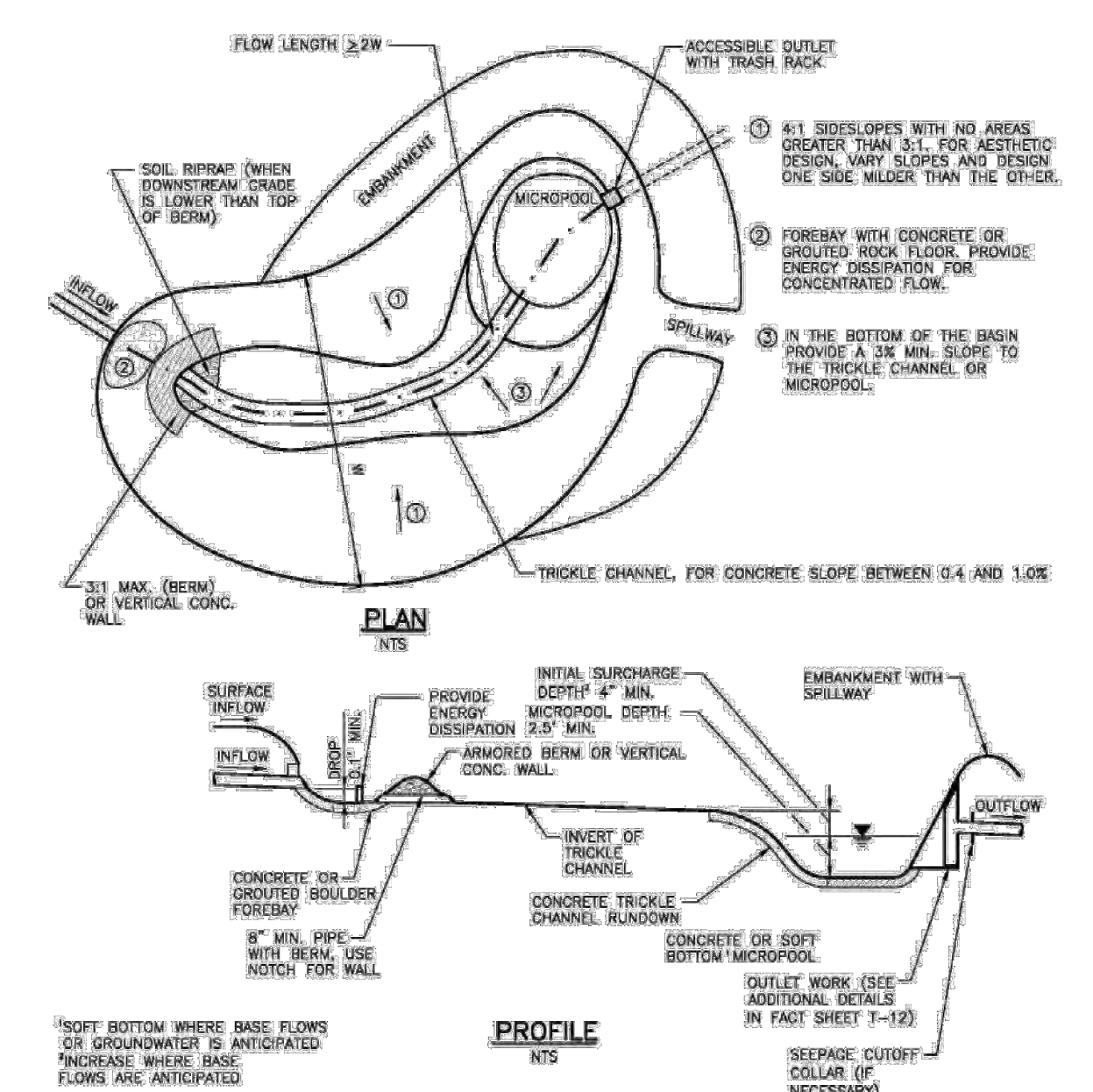


Figure EDB-3. Extended Detention Basin (EDB) Plan and Profile

Additional Details are provided in BMP Fact Sheet T-12. This includes outlet structure details including orifice plates and trash racks.

5 MHFD EXTENDED DETENTION BASIN DETAIL

Sediment Basin (SB) SC-7

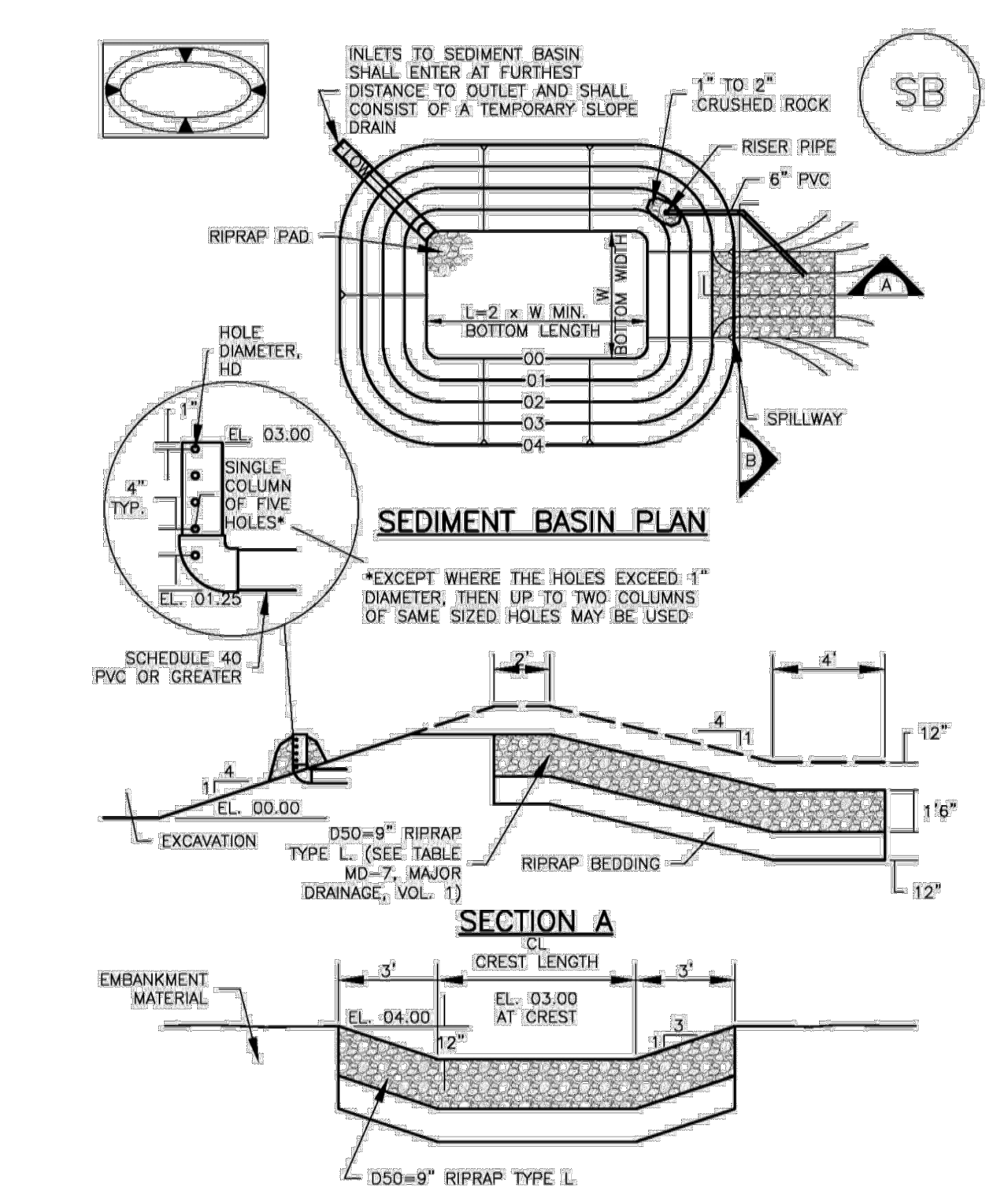


Figure SB-1. Sediment Basin (SB) Plan and Section A

6 MHFD TEMPORARY SEDIMENT BASIN DETAIL

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EROSION CONTROL DETAILS

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