

LEGEND

- EXISTING GROUND CONTOURS
- PROPOSED GROUND CONTOURS - PITS
- PROPERTY LIMIT
- DIGITIZED EXISTING DRAINAGES
- SUBDRAINS
- POC POINTS
- TSF1 PERIMETER ROAD ALIGNMENT

| DEPTH TO NATIVE LOW HYDRAULIC CONDUCTIVITY LAYER | |
|--|------------|
| PUMP ID | DEPTH (FT) |
| PUMP #1 | 7.3 |
| PUMP #2 | 12.1 |
| PUMP #3 | 12.4 |
| PUMP #4 | 7.1 |
| PUMP #5 | 9.1 |
| PUMP #6 | 12.2 |
| PUMP #7 | 17.2 |
| PUMP #8 | 13.5 |
| PUMP #9 | 8.8 |
| PUMP #10 | 16.2 |
| PUMP #11 | 18.5 |
| PUMP #12 | 17.8 |
| PUMP #13 | 13.0 |

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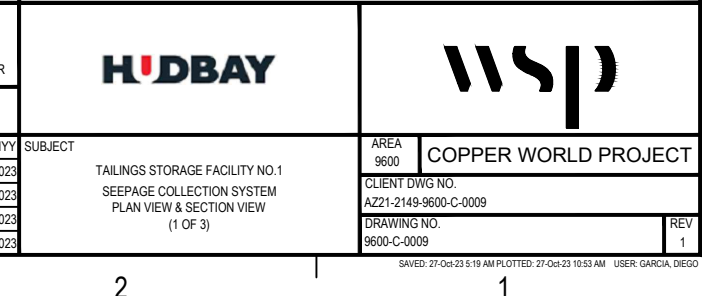
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| CLIENT PROJECT MGR | DEPARTMENT MGR | PROJECT MGR | |
| PROJECT PHASE | | | |
| PROJECT NO. | | BY | DDMMYY |
| 1720214024 | DES | DG | 260CT2023 |
| SCALE | DRN | DG | 26OCT2023 |
| | CHK | TM | 26OCT2023 |
| | APP | TM | 26OCT2023 |
| AS SHOWN | | | |

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| SUBJECT TAILINGS STORAGE FACILITY NO.1 SEEPAGE COLLECTION SYSTEM PLAN VIEW | | AREA 9600 | COPPER WORLD PROJECT |
| | | CLIENT DWG NO. AZ21-2149-9600-C-0008 | |
| | | DRAWING NO. 9600-C-0008 | REV 1 |





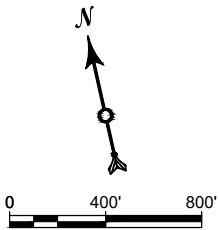
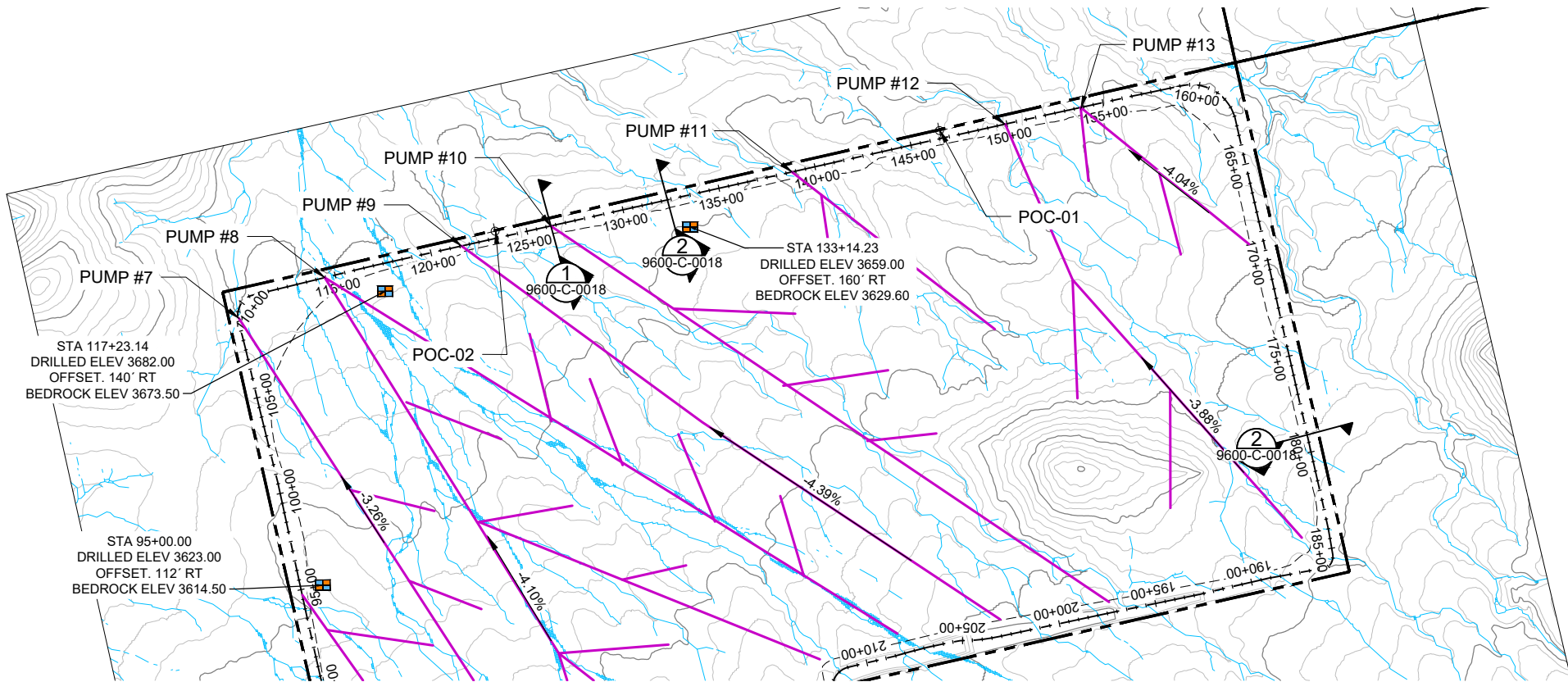
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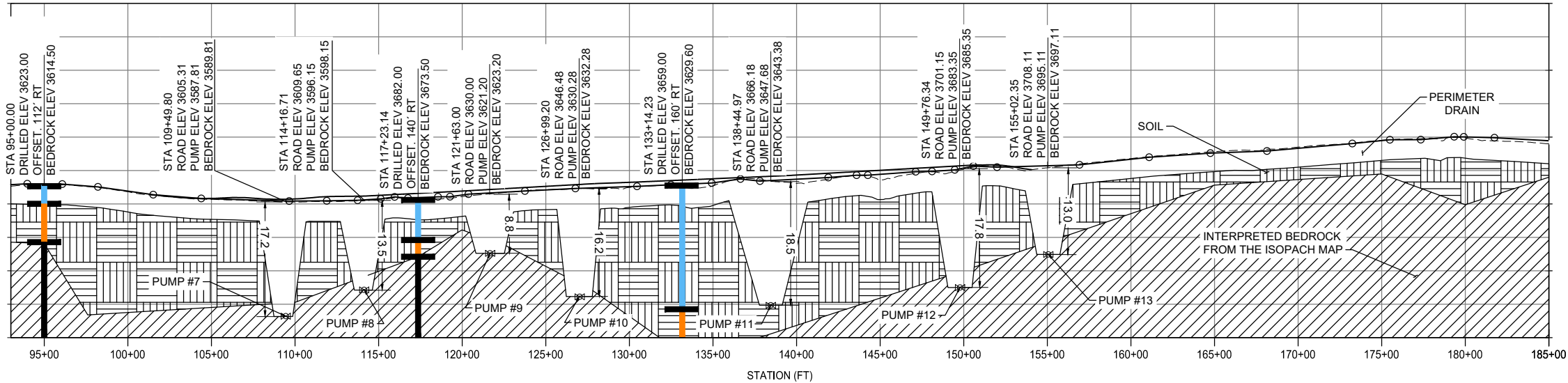
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- LEGEND**
- EXISTING GROUND CONTOURS
 - PROPOSED GROUND CONTOURS - PERIMETER ROAD
 - PROPERTY LIMIT
 - DIGITIZED EXISTING DRAINAGES
 - SUBDRAINS
 - POC POINTS
 - TEST PITS & BOREHOLES LOCATIONS
 - TSF1 PERIMETER ROAD ALIGNMENT
 - INTERPRETED BEDROCK FROM THE ISOPACH MAP
 - SOIL
 - EXPLORATION GROUND SURFACE ELEVATION
 - INTERPRETED DEPTH TO LOW HYDRAULIC CONDUCTIVITY LAYER
 - DEPTH TO BEDROCK OR TEST PIT BUCKET REFUSAL

- NOTES**
- DEPTHS HAVE BEEN EXAGGERATED BY A FACTOR OF 10.



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| REV | MMDDYY | REVISION / ISSUE DESCRIPTION | DES | CHK | APP | APP | APP | APP | NUMBER | TITLE |
|-----|--------|------------------------------|-----|-----|-----|-----|-----|-----|--------|--------------------|
| | | | | | | | | | | REFERENCE DRAWINGS |

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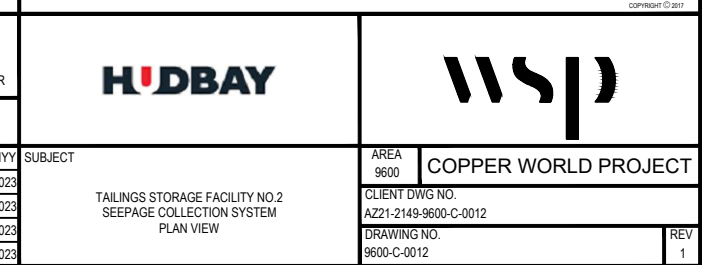
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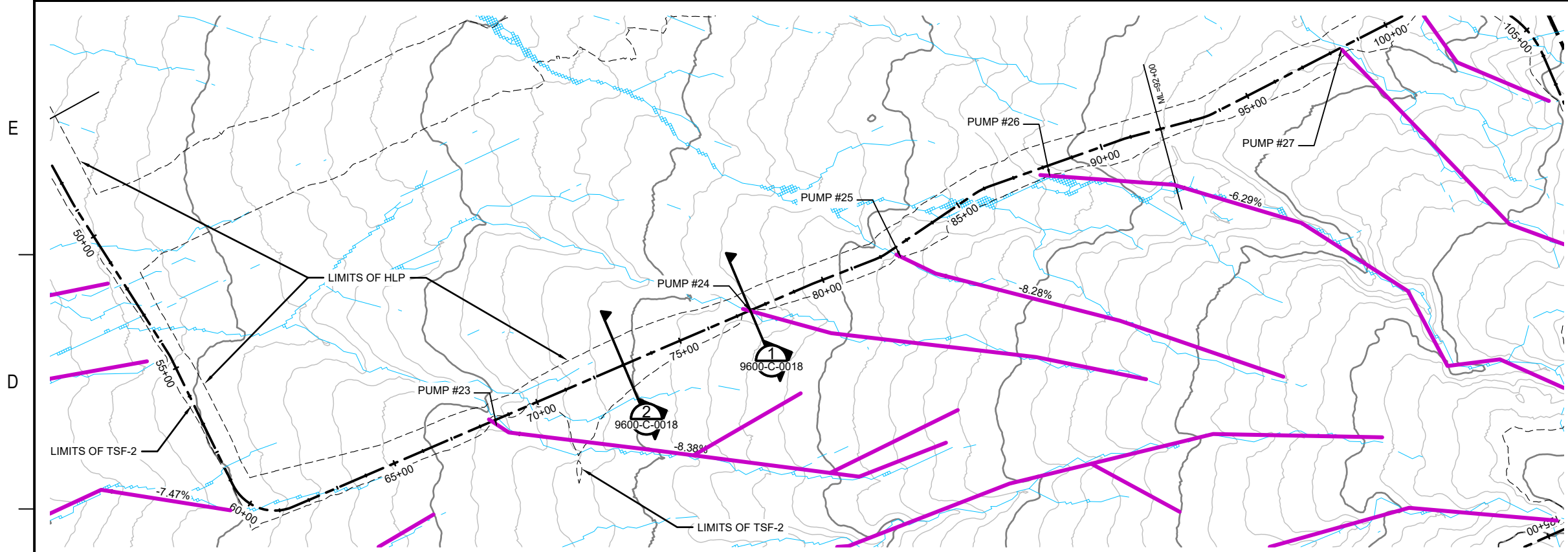
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| PROJECT PHASE | | | |
| PROJECT NO. | BY | DDMMYY | SUBJECT |
| 1720214024 | DES | DG | 26OCT2023 |
| SCALE | DRN | DG | 26OCT2023 |
| AS SHOWN | CHK | TM | 26OCT2023 |
| | APP | TM | 26OCT2023 |

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|--------------------------------|--|--------------------------------------|--|
| HDBAY | | wsp | |
| TAILINGS STORAGE FACILITY NO.1 | | COPPER WORLD PROJECT | |
| SEEPAGE COLLECTION SYSTEM | | AREA 9600 | |
| PLAN VIEW & SECTION VIEW | | CLIENT DWG NO. AZ21-2149-9600-C-0010 | |
| (2 OF 3) | | DRAWING NO. 9600-C-0010 | |
| | | REV 1 | |

SAVED: 27-Oct-23 5:38 AM PLOTTED: 27-Oct-23 10:57 AM USER: GARCIA, DIEGO







LEGEND

EXISTING GROUND CONTOURS

PROPOSED GROUND CONTOURS - PERIMETER ROAD

PROPERTY LIMIT

DIGITIZED EXISTING DRAINAGES

SUBDRAINS

POC POINTS

TEST PITS & BOREHOLES LOCATIONS

TSF1 PERIMETER ROAD ALIGNMENT

INTERPRETED BEDROCK FROM THE ISOPACH MAP

SOIL

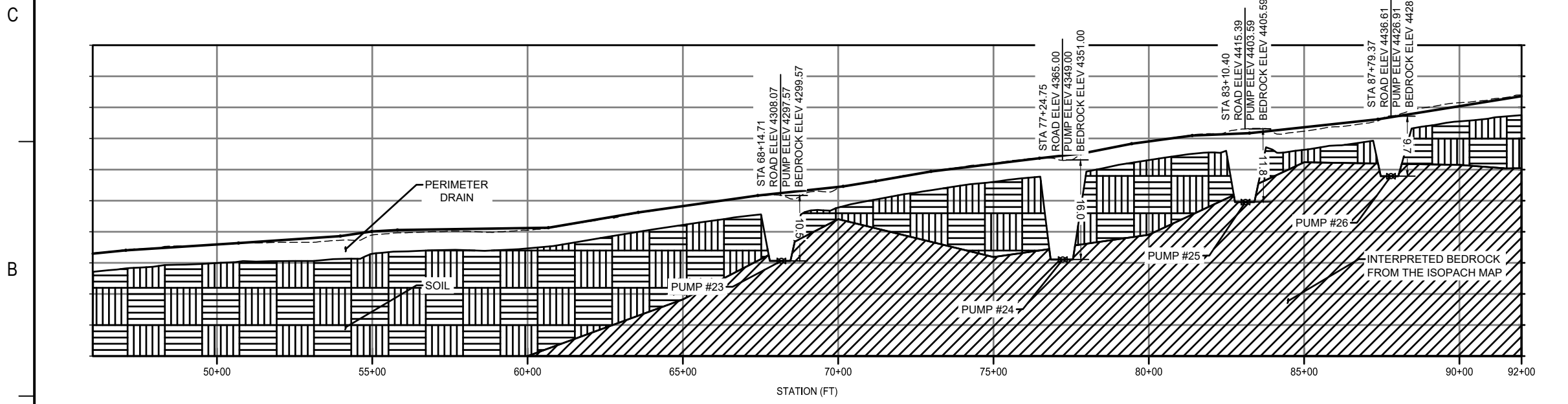
EXPLORATION GROUND SURFACE ELEVATOIN

INTERPRETED DEPTH TO LOW HYDRAULIC CONDUCTIVITY LAYER

DEPTH TO BEDROCK OR TEST PIT BUCKET REFUSAL

NOTES

1. DEPTHS HAVE BEEN EXAGGERATED BY A FACTOR OF 10.



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REV

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REVISION / ISSUE DESCRIPTION

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NUMBER

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CLIENT PROJECT MGR

DEPARTMENT MGR

PROJECT MGR

PROJECT PHASE

PROJECT NO.

1720214024

SCALE

AS SHOWN

BY

DES

26OCT2023

DRN

DG

26OCT2023

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26OCT2023

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HUBBAY

WSP

SUBJECT

TAILINGS STORAGE FACILITY NO.2
SEEPAGE COLLECTION SYSTEM
PLAN VIEW & SECTION VIEW
(2 OF 5)

AREA

9600

CLIENT DWG NO.

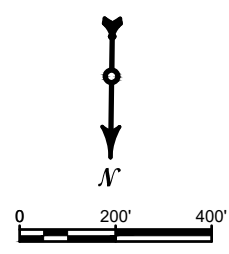
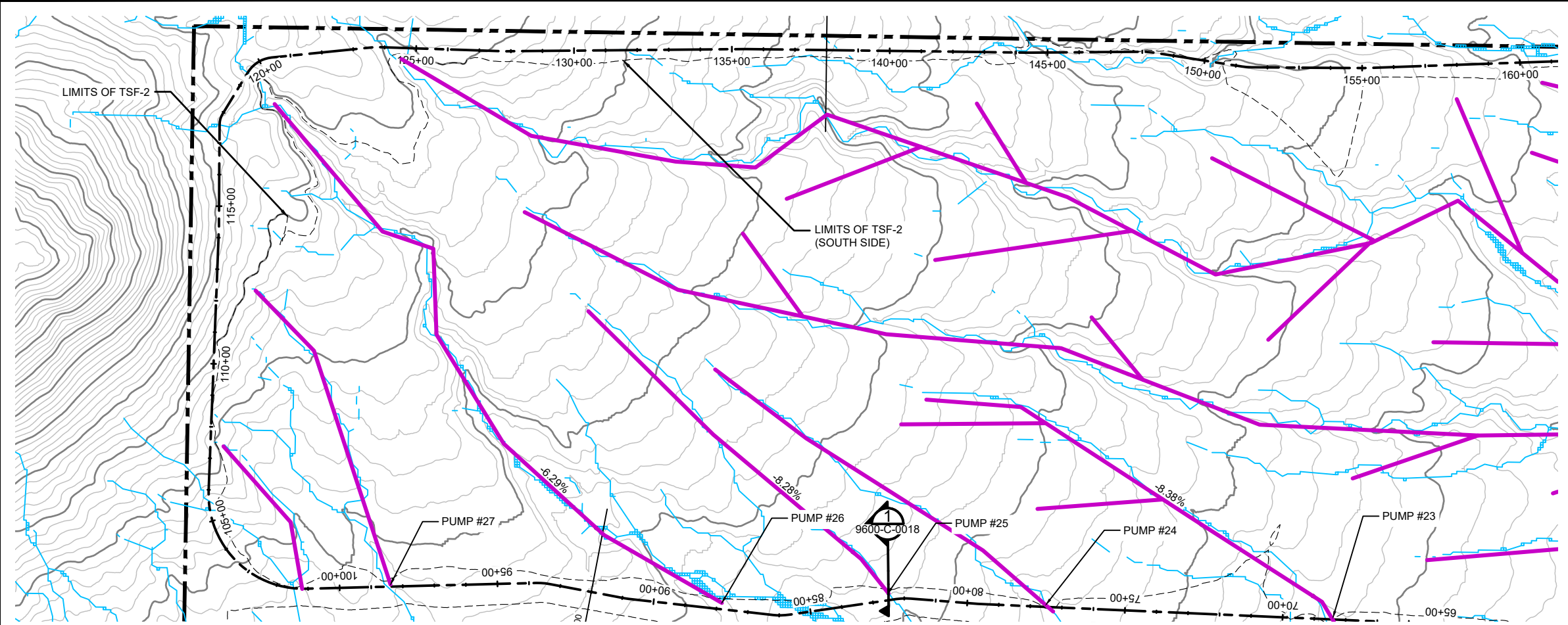
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







DRAWING NO.

9600-C-0014

REV

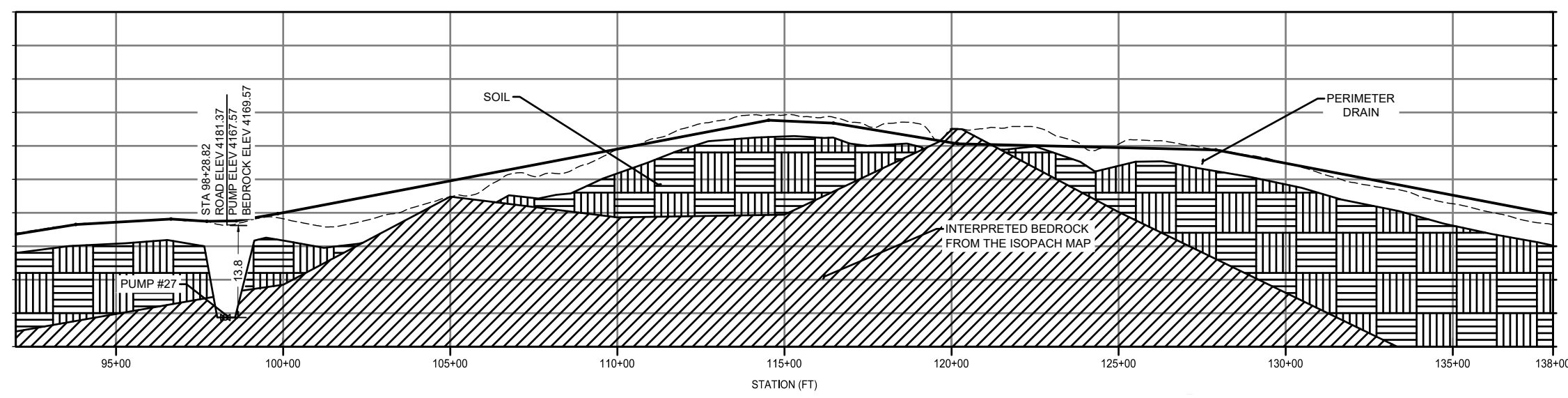
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- ### LEGEND
- | | |
|---|---|
|  | EXISTING GROUND CONTOURS |
|  | PROPOSED GROUND CONTOURS - PERIMETER ROAD |
|  | PROPERTY LIMIT |
|  | DIGITIZED EXISTING DRAINAGES |
|  | SUBDRAINS |
|  | POC POINTS |
|  | TEST PITS & BOREHOLES LOCATIONS |
|  | TSF1 PERIMETER ROAD ALIGNMENT |
|  | INTERPRETED BEDROCK FROM THE ISOPACH MAP |
|  | SOIL |
|  | EXPLORATION GROUND SURFACE ELEVATION |
|  | INTERPRETED DEPTH TO LOW HYDRAULIC CONDUCTIVITY LAYER |
|  | DEPTH TO BEDROCK OR TEST PIT BUCKET REFUSAL |

NOTES

1. DEPTHS HAVE BEEN EXAGGERATED BY A FACTOR OF 10.

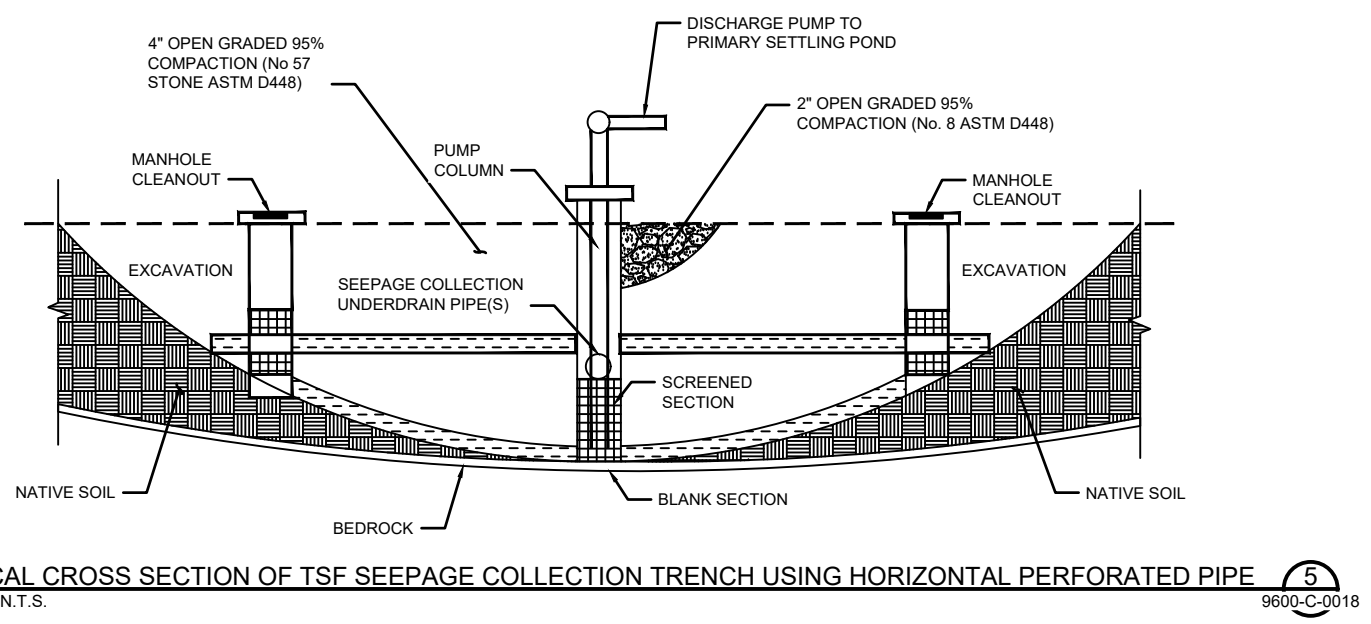
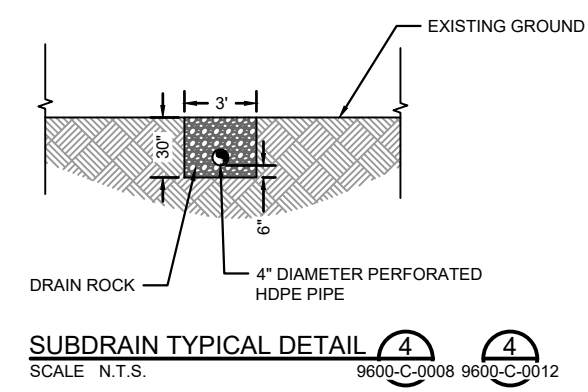
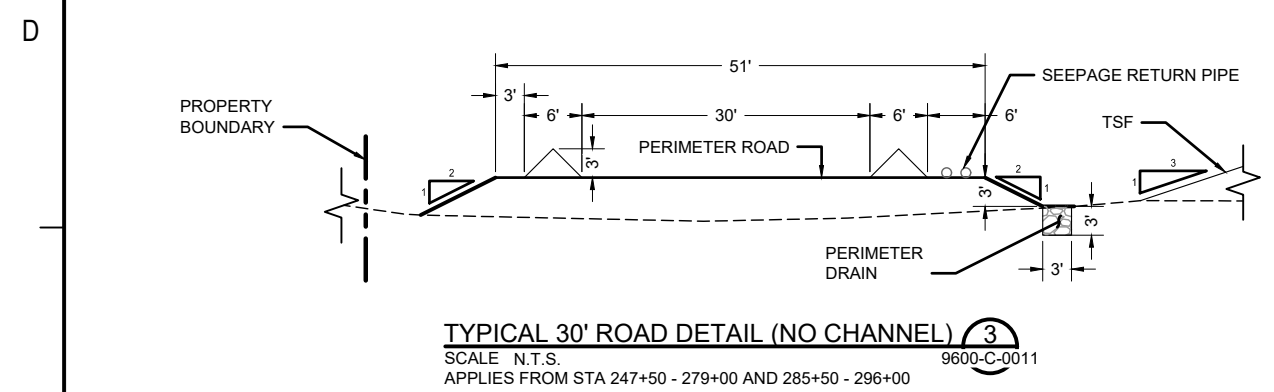
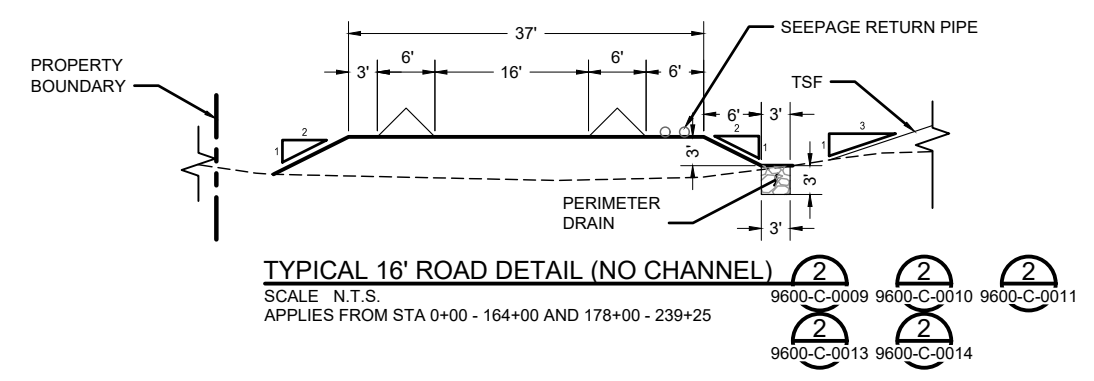
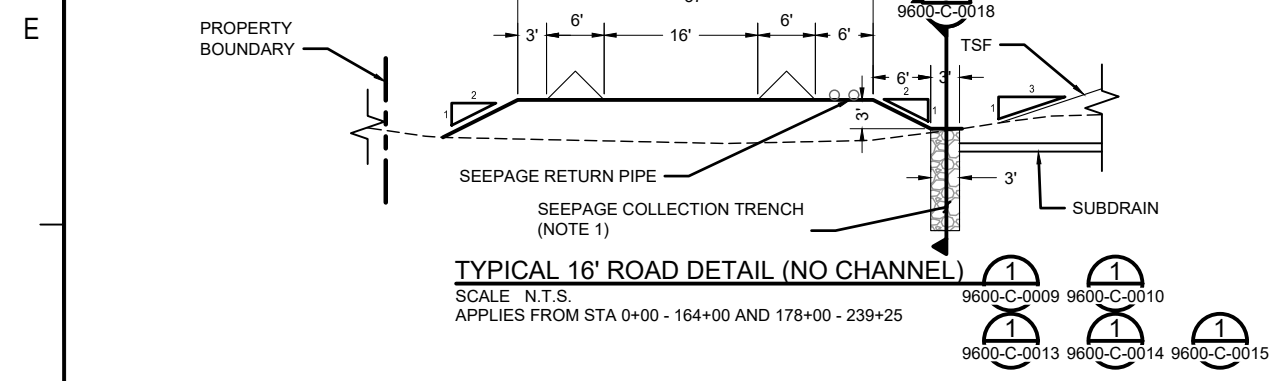


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| | | | | | | | | | | STAMP/SEAL | | | | | | | | | | CLIENT PROJECT MGR DEPARTMENT MGR PROJECT MGR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | PROJECT PHASE | | | | | | | | | | SUBJECT TAILINGS STORAGE FACILITY NO 2 SEEPAGE COLLECTION SYSTEM PLAN VIEW & SECTION VIEW (3 OF 5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | PROJECT NO. 1720214024 | | | | | | | | | | | | | | | | | | | | BY 26OCT2023 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | SCALE AS SHOWN | | | | | | | | | | DES DG 26OCT2023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| REV MMDDYY | | | | | | | | | | REVISION / ISSUE DESCRIPTION | | | | | | | | | | DES CHK APP APP APP | | | | | | | | | | NUMBER | | | | | | | | | | TITLE | | | | | | | | | | REFERENCE DRAWINGS | | | | | | | | | |

ANSI 11.2204

SAVED: 27-Oct-23 6:47 AM PLOTTED: 27-Oct-23 6:50 AM USER: GARCIA, DIEGO



LEGEND

NOTES

1. THE NATIVE LOW HYDRAULIC CONDUCTIVITY LAYER (IF NOT BEDROCK) WAS INTERPRETATED BASED ON IN-SITU CHARACTERIZATION DATA COLLECTED FROM THE GEOTECHNICAL INVESTIGATION WHICH ARE REPRESENTATIVE OF EITHER DENSE TO VERY DENSE OR HARD NATIVE SOILS WITH MEASURED N VALUES GREATER THAN 30 (AS DETERMINED IN ACCORDANCE WITH ASTM D-1586 "STANDARD TEST METHOD FOR SPT AND SPLIT-BARREL SAMPLING OF SOILS") OR WHERE BUCKET REFUSALS WERE ENCOUNTERED IN THE TEST PITS.

ADDITIONAL CHARACTERIZATION WILL BE PERFORMED IN FUTURE STAGES OF THE PROJECT IN ORDER TO CONFIRM THE TARGET STRATUM/DEPTH OF THE LOW HYDRAULIC CONDUCTIVITY LAYER IN ORDER TO ACHIEVE THE REQUIRED SEEPAGE RECOVERY. THUS, FINAL DEPTHS OF THE PERIMETER COLLECTION TRENCHES WILL BE VERIFIED DURING FUTURE STAGES OF THE PROJECT AND DURING CONSTRUCTION; IF THE HYDRAULIC CONDUCTIVITY OF FOUNDATION SOIL DOES NOT MEET THE PROJECT REQUIREMENTS, THE TRENCHES WILL BE DEEPEMED TO UNDERLYING LOWER-PERMEABLE STRATA INCLUDING THE BEDROCK, OR ALTERNATIVE MITIGATION MEASURES WILL BE IMPLEMENTED TO ACHIEVE THE TARGET SEEPAGE RECOVERY. UNLESS SUGGESTED OTHERWISE BY FUTURE CHARACTERIZATION AND MODELING EFFORT, THE PERIMETER COLLECTION TRENCHES SHOULD END AT A LOW-PERMEABLE NATIVE STRATUM WITH A SATURATED HYDRAULIC CONDUCTIVITY (K VALUE) AT OR LOWER THAN 1.4×10^{-7} FT/S.

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