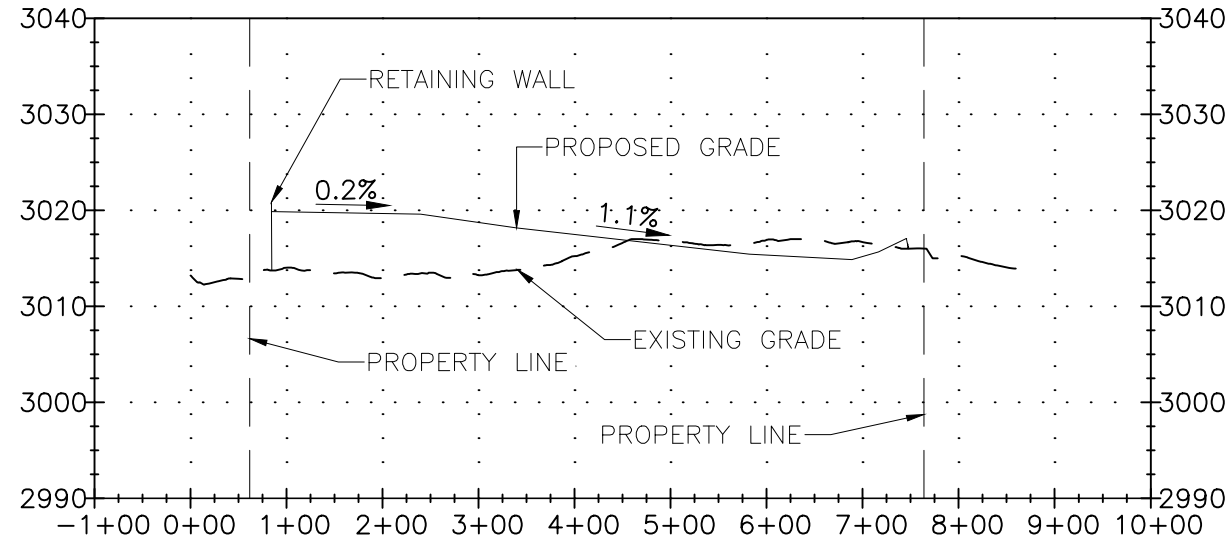
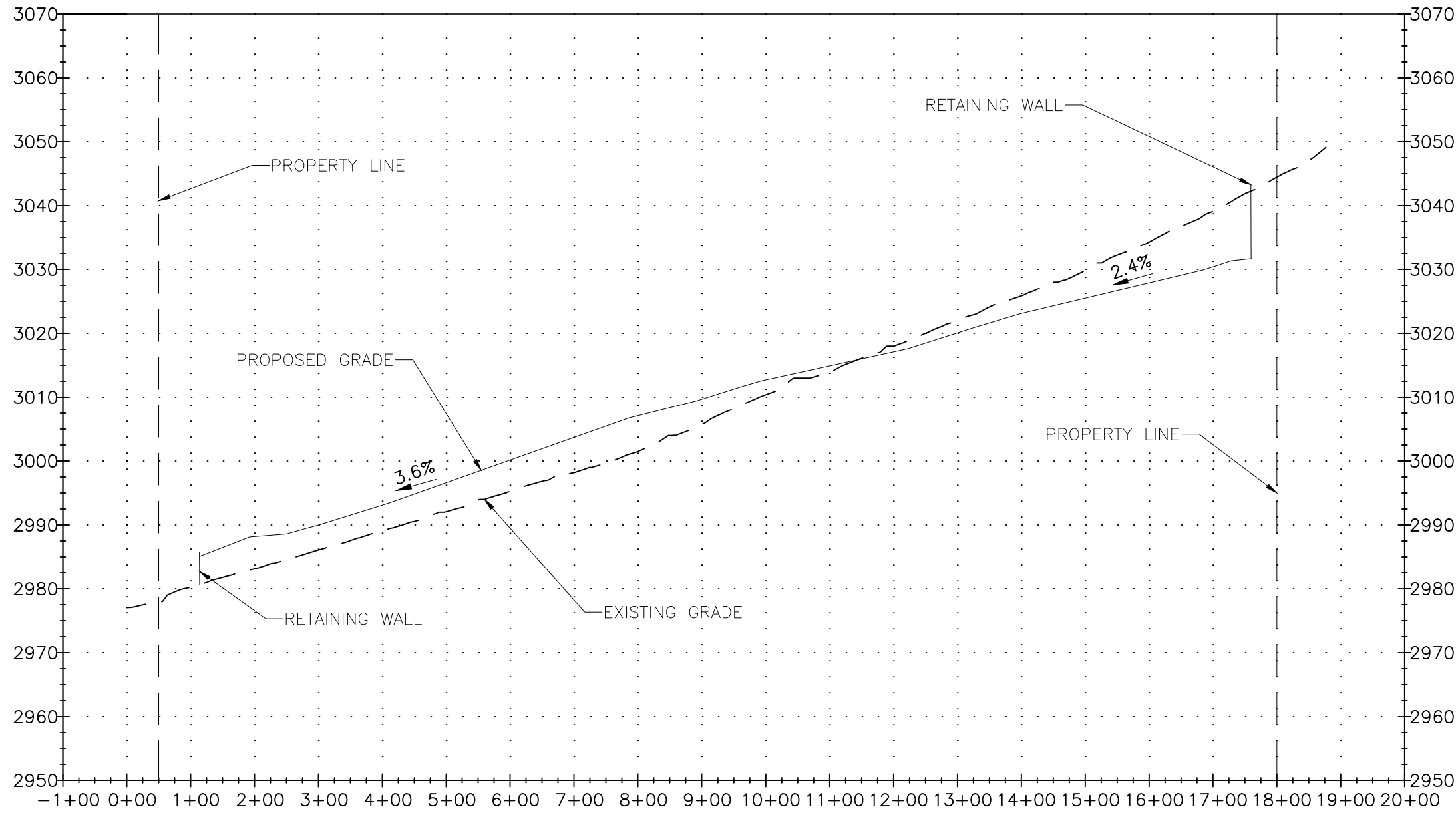



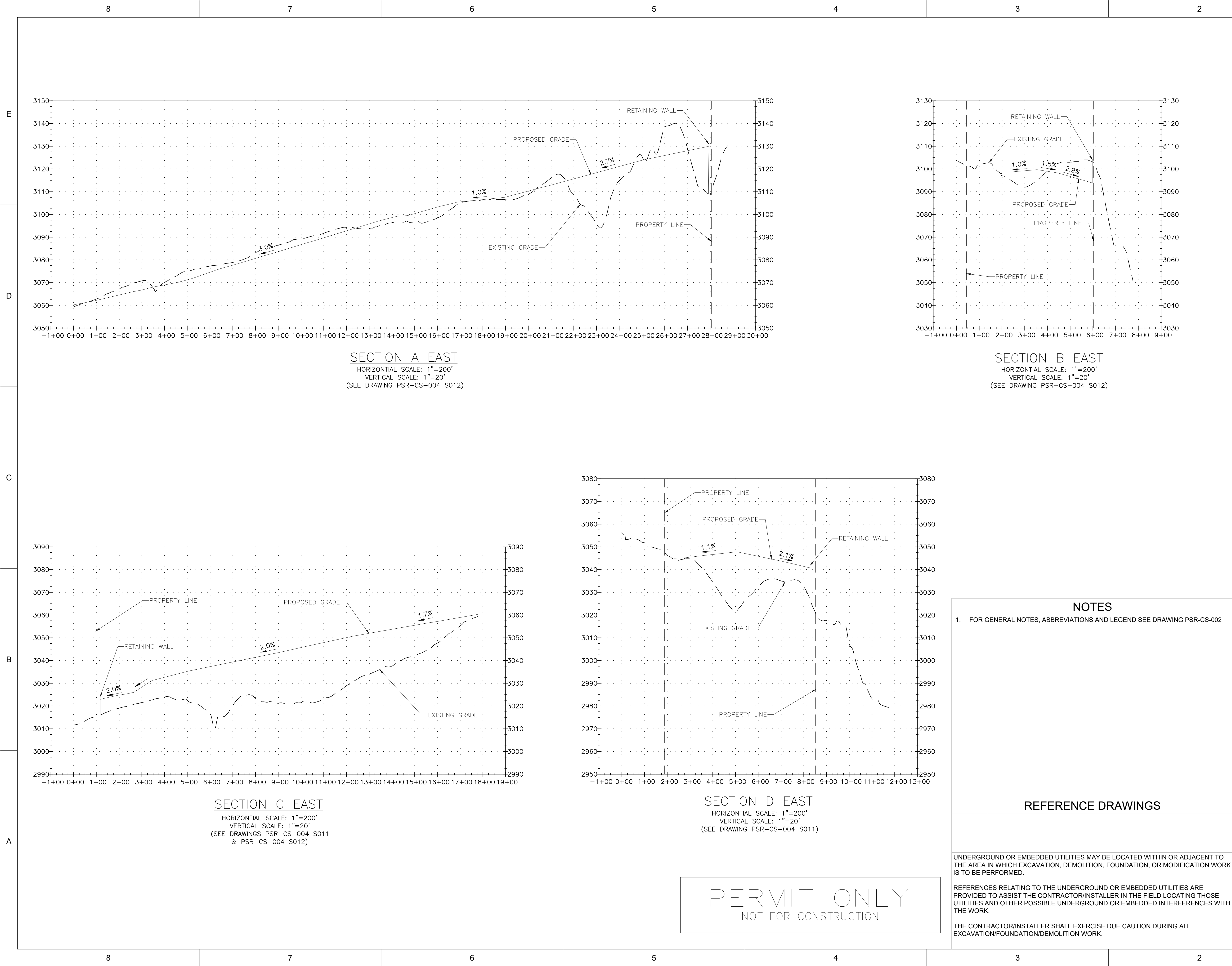
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Docket Number:	25-OPT-02
Project Title:	Prairie Song Reliability Project
TN #:	266805
Document Title:	Updated DR Response 2 Attachment 28 - Appendix 2A Site Plan Package - Part 1B
Description:	N/A
Filer:	Erin Phillips
Organization:	Dudek
Submitter Role:	Applicant Consultant
Submission Date:	10/23/2025 4:59:21 PM
Docketed Date:	10/23/2025



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SPECIFICATION:		-
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CAD FILE NAME: PSR-CS-005 S001.DWG		
PREPARED BY:		CAF/JN
REVIEWED BY:		JTP
APPROVED BY:		--
ANY MODIFICATION OR ADDITION TO THIS DRAWING BY AN ORGANIZATION OTHER THAN SARGENT & LUNDY, IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.		
<div> SARGENT & LUNDY 55 EAST MONROE STREET CHICAGO, ILLINOIS 60603-5780</div>		
PROJECT		
PRAIRIE SONG RELIABILITY PROJECT		
DRAWING TITLE		
GRADING SECTIONS		
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SHEET	1 OF 1	



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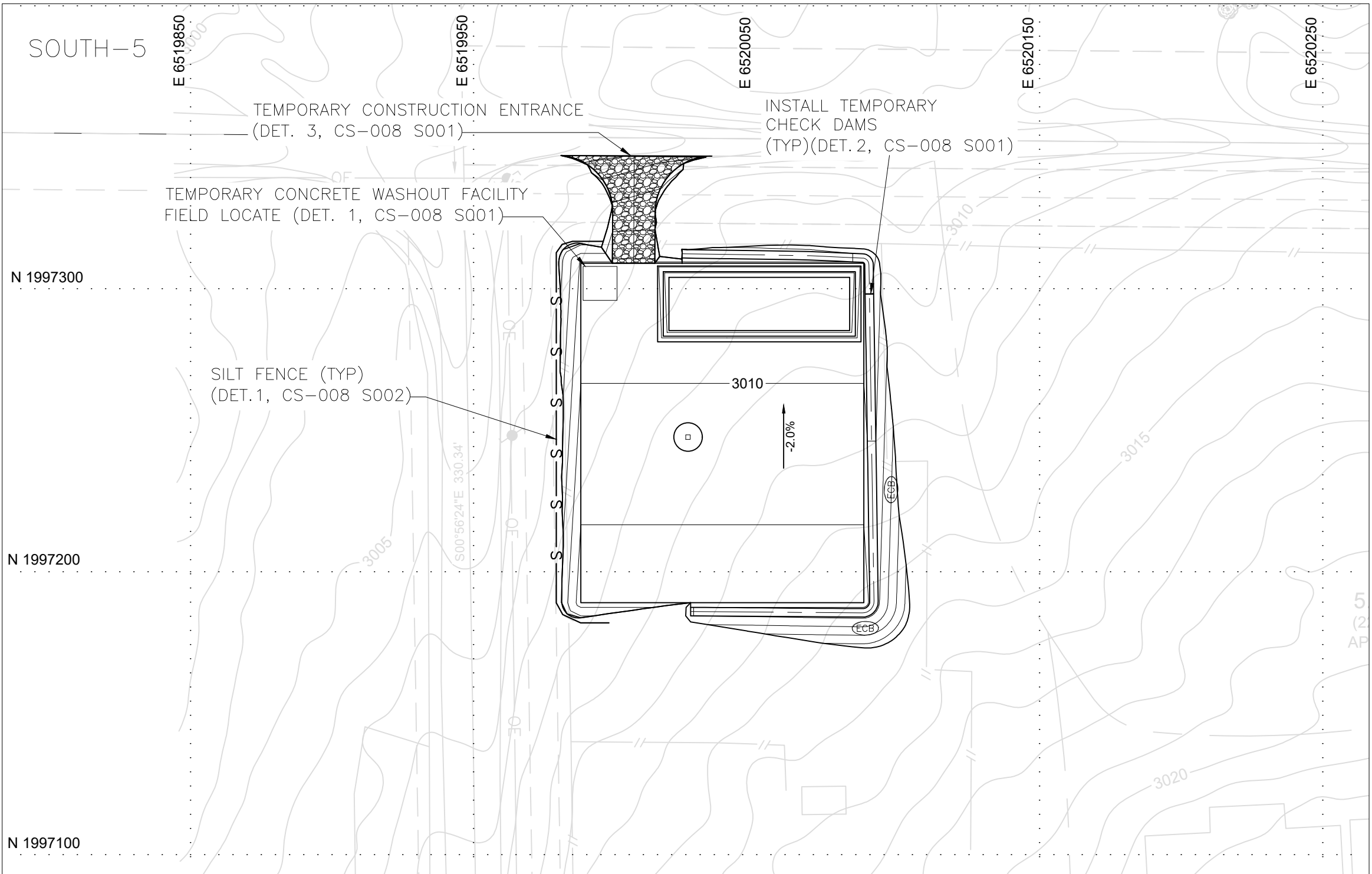
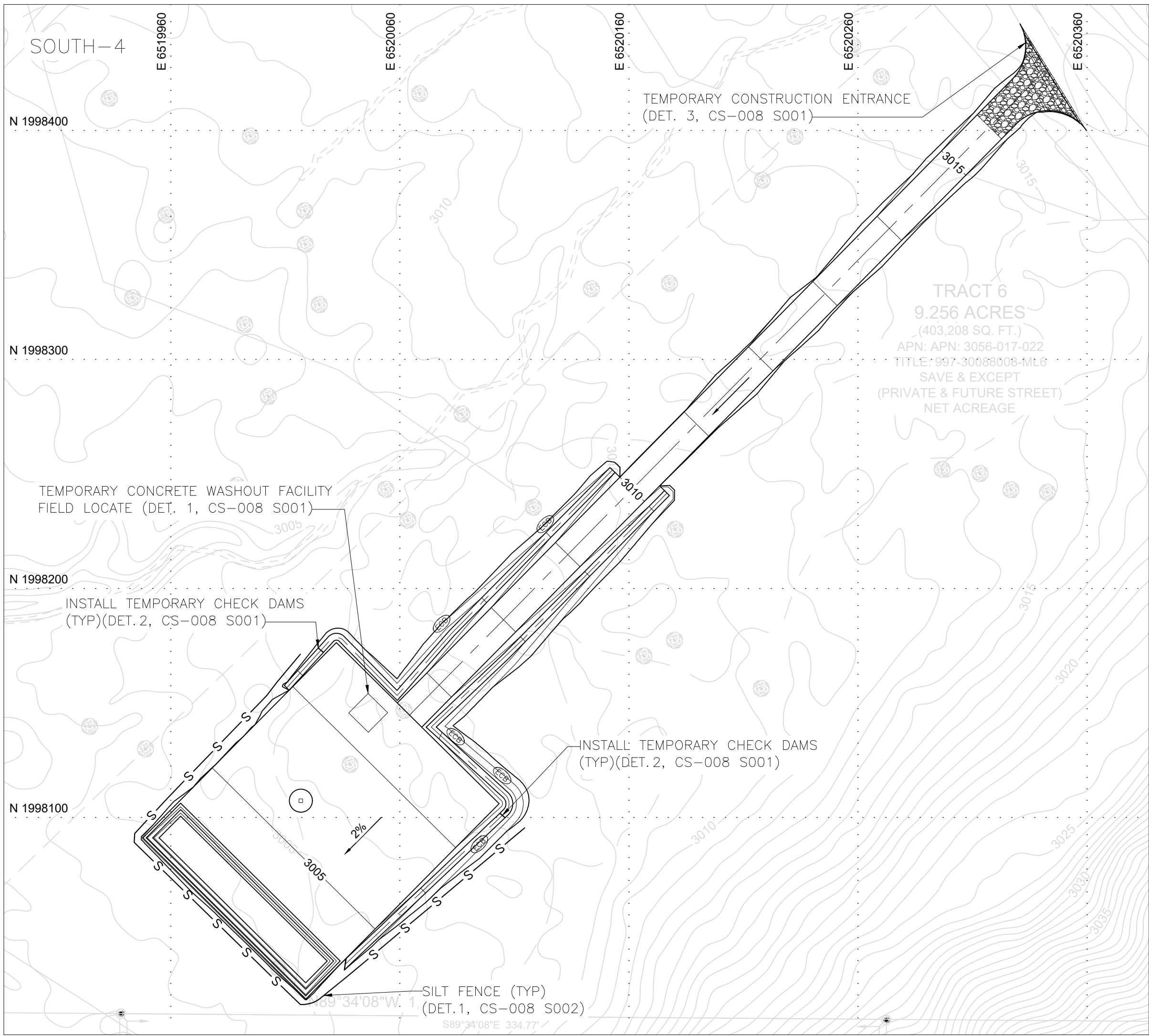
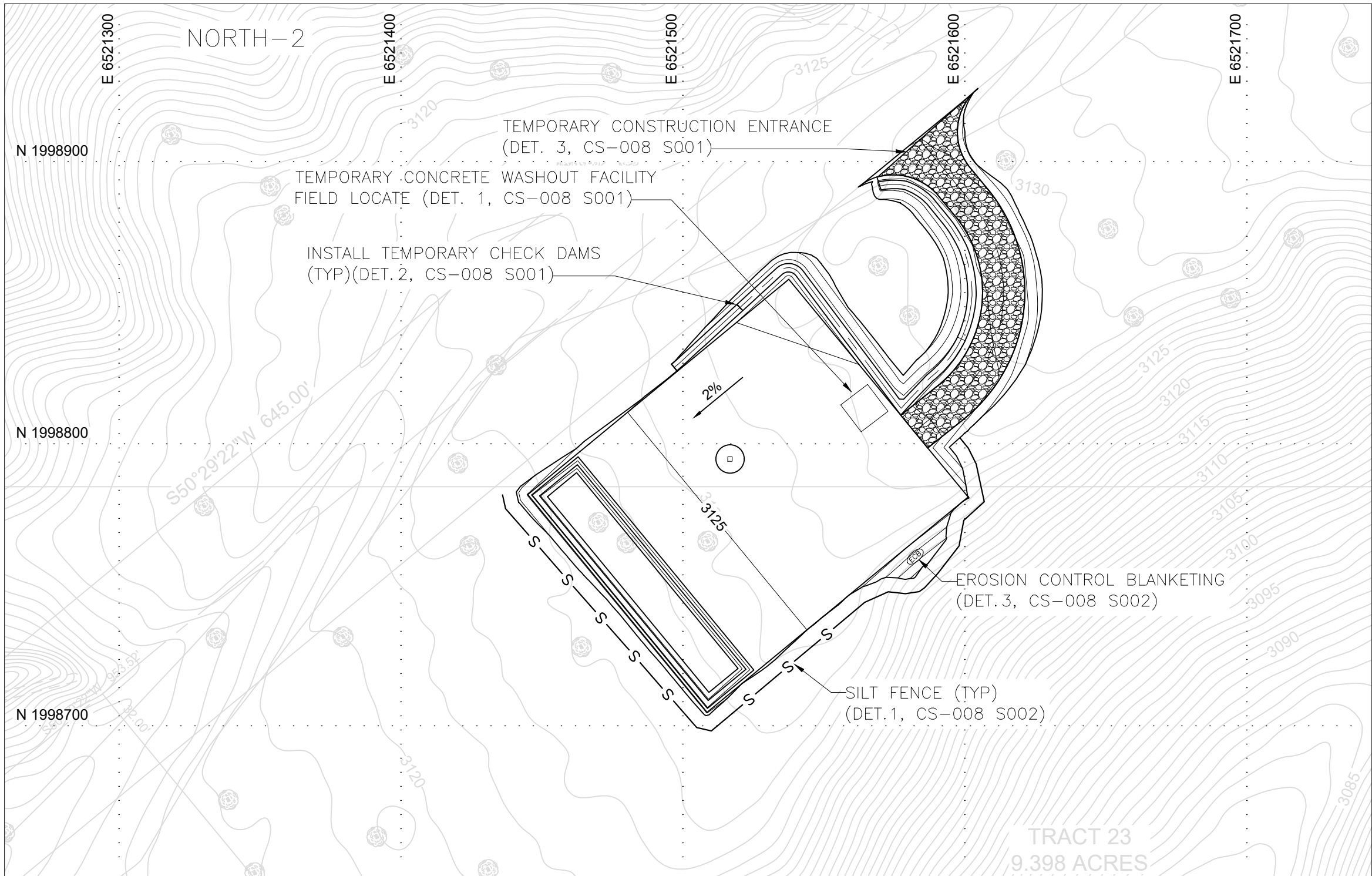
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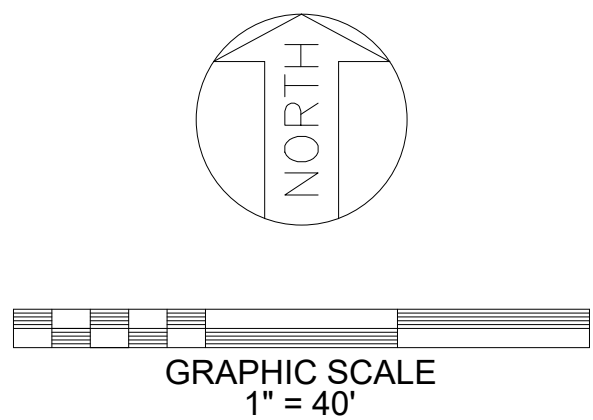
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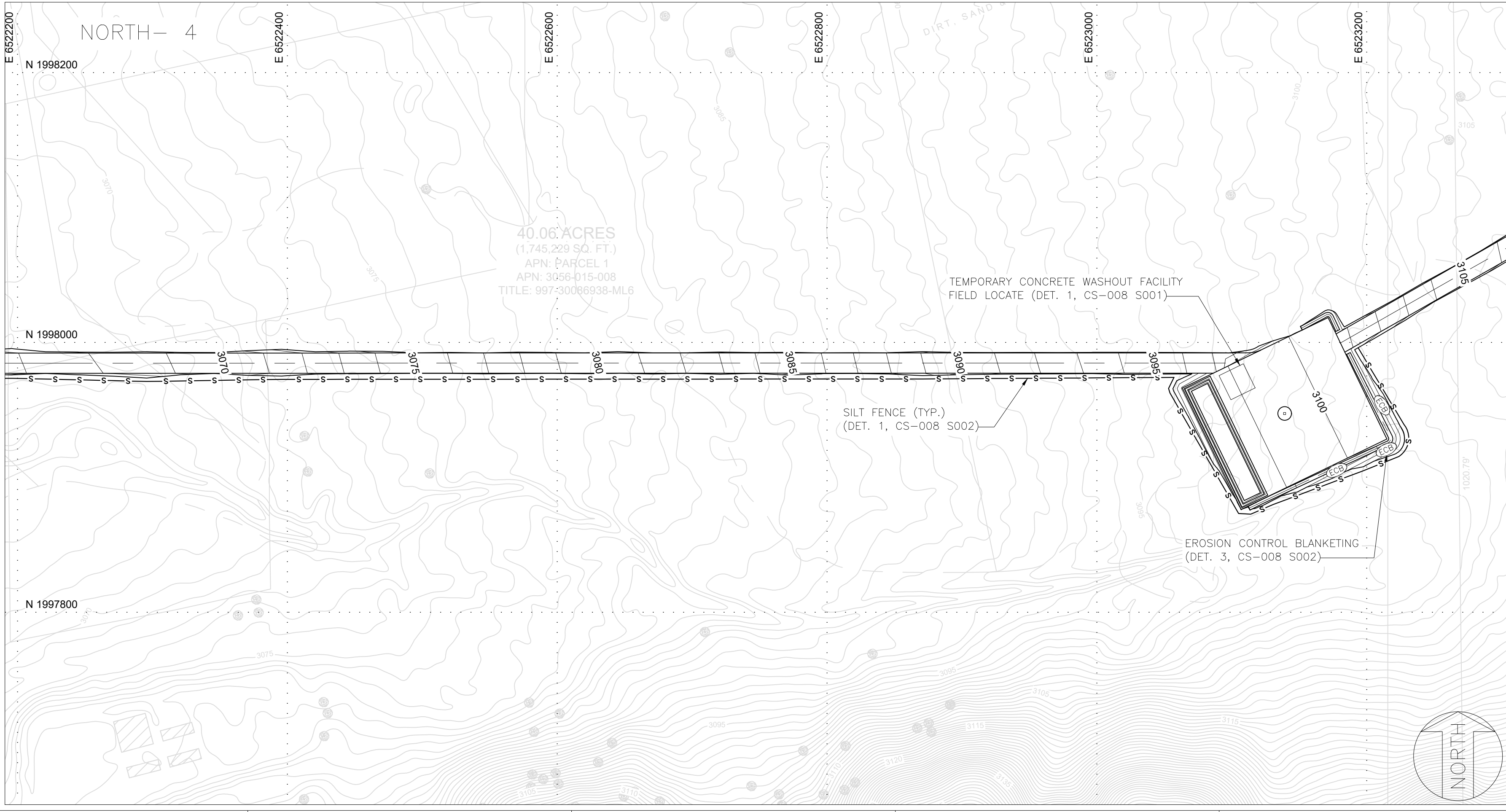
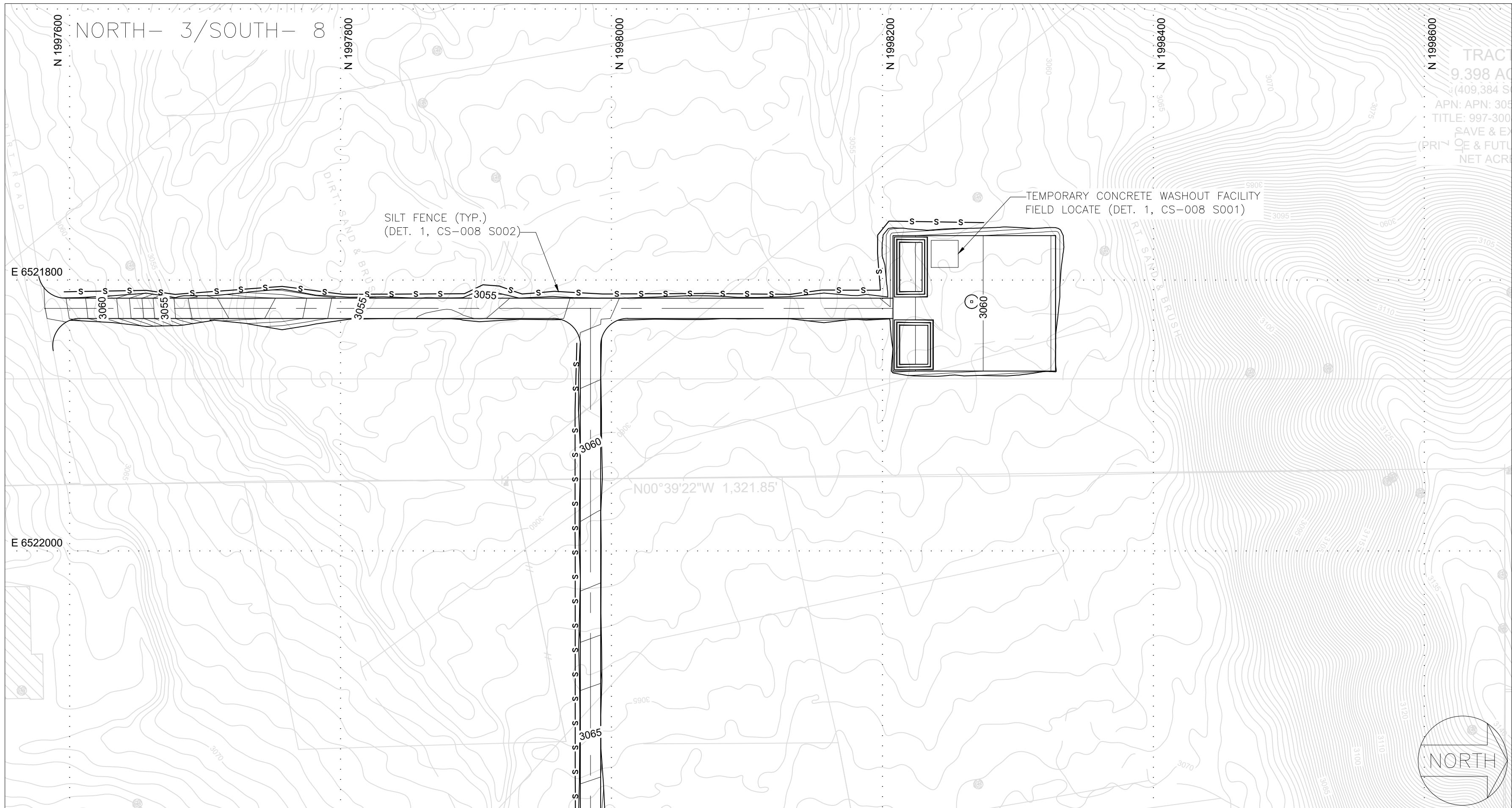


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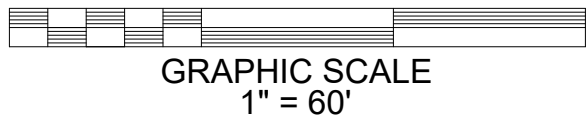


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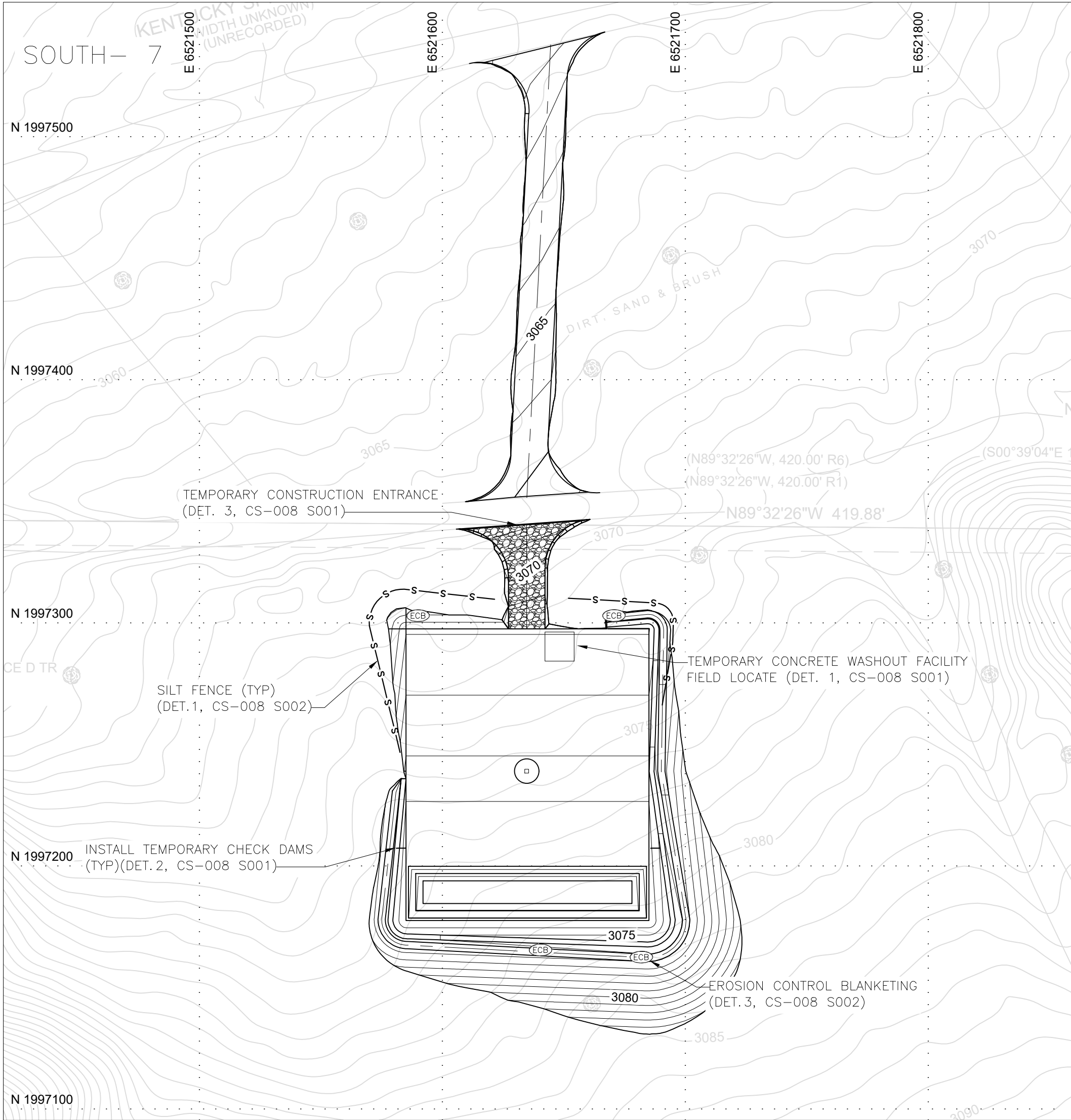
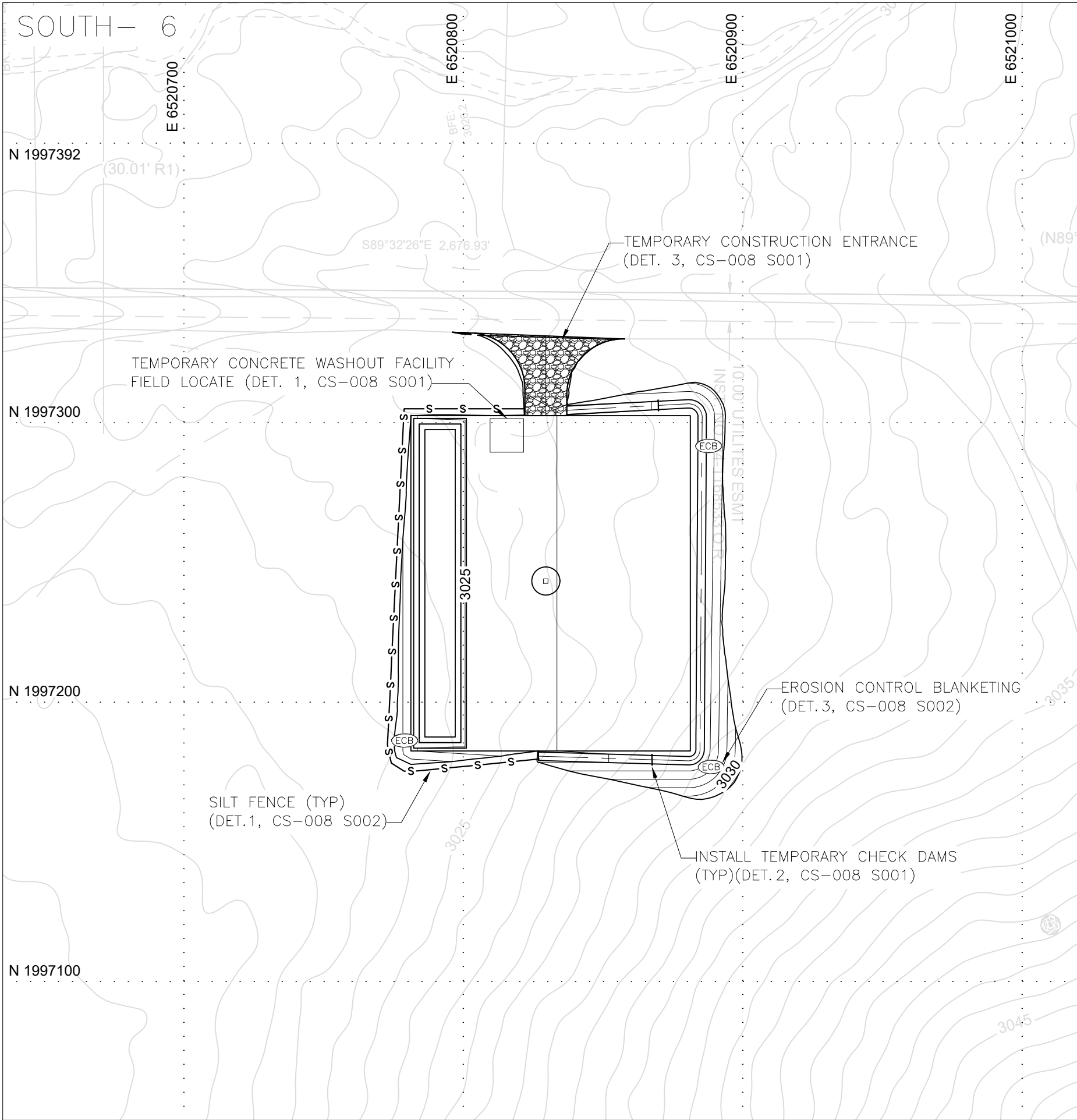


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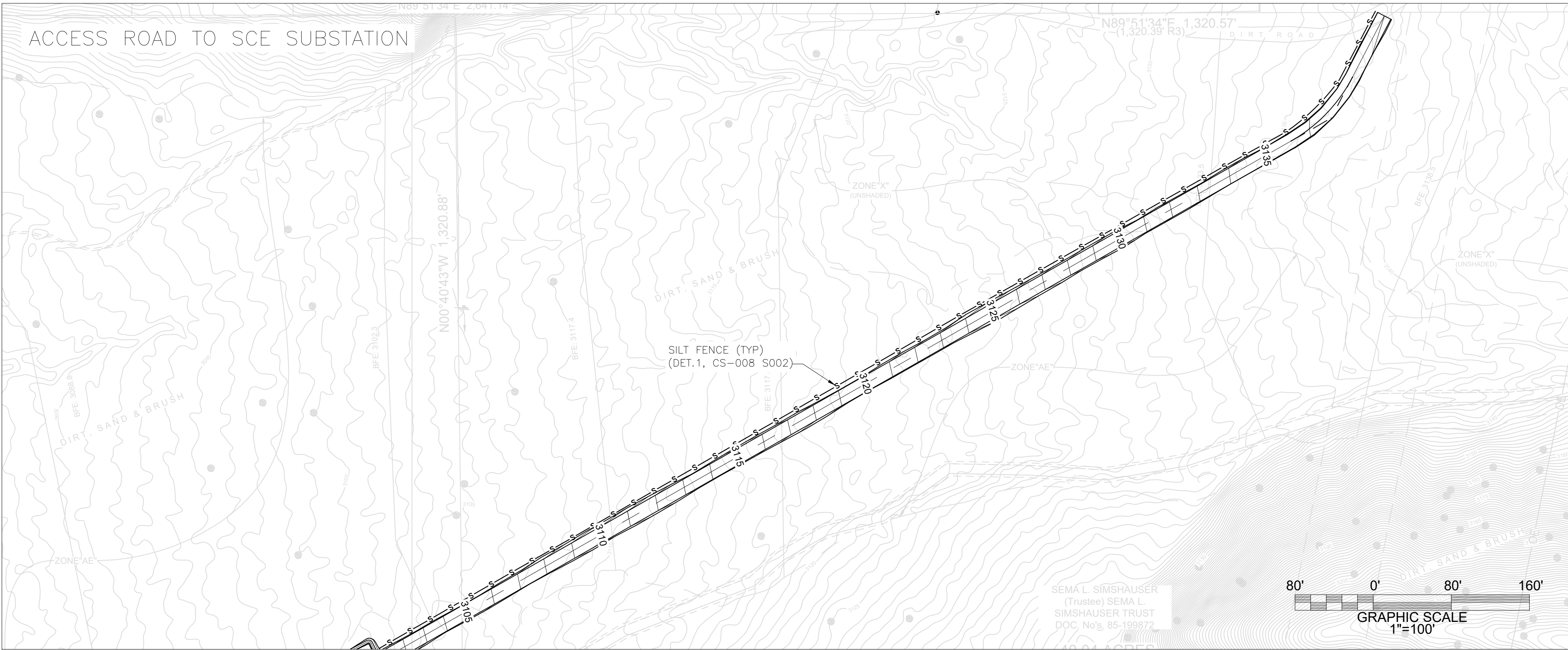
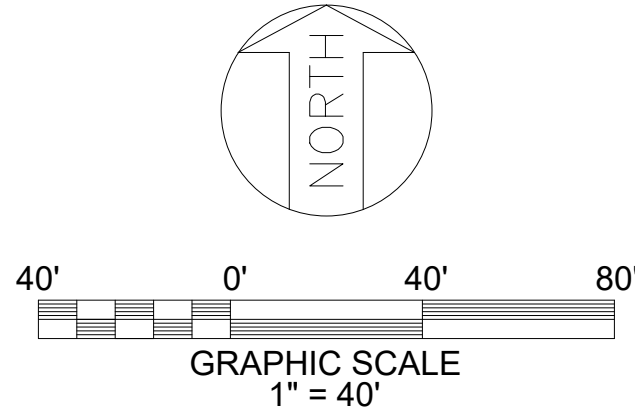


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JOSHUA BICKETT
P.E. LICENSE #95825

CAD FILE NAME: PSR-CS-007 S003.DWG

PREPARED BY: CAF/JN

REVIEWED BY: JTP

APPROVED BY: --

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Sargent & Lundy

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55 EAST MONROE STREET
CHICAGO, ILLINOIS 60603-5780

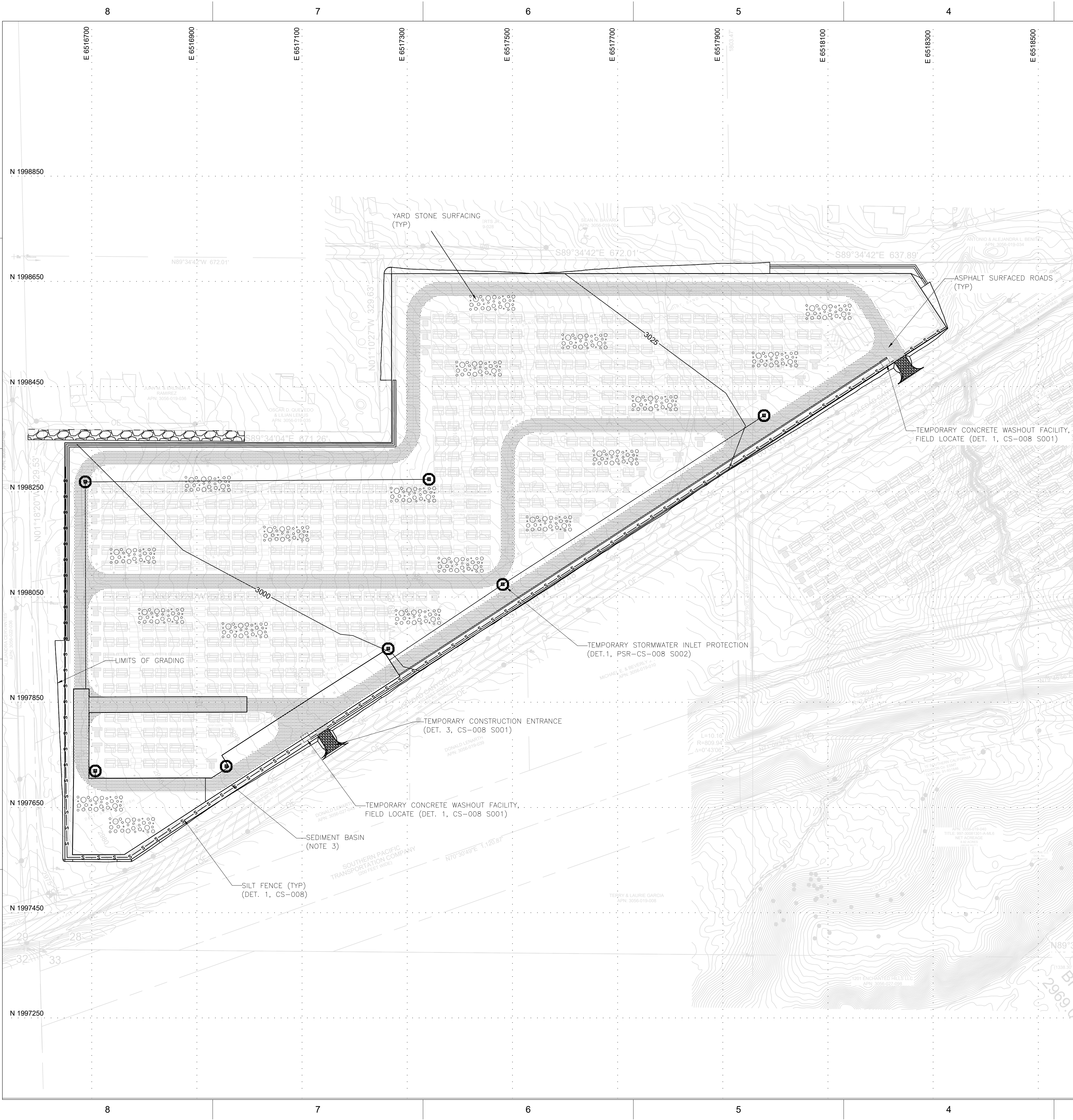
PROJECT

PRAIRIE SONG RELIABILITY PROJECT

DRAWING TITLE

EROSION AND SEDIMENT CONTROL PLAN

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DRAINAGE SYSTEM CHAMBERS NEAR THE END OF CONSTRUCTION. REFER TO
DRAWINGS PSR-CS-004 S011 FOR LAYOUT OF PERMANENT STORMWATER
DRAINAGE SYSTEM, AND DRAWING PSR-CS-009 FOR UNDERGROUND
STORMWATER DETENTION BASIN DETAILS.

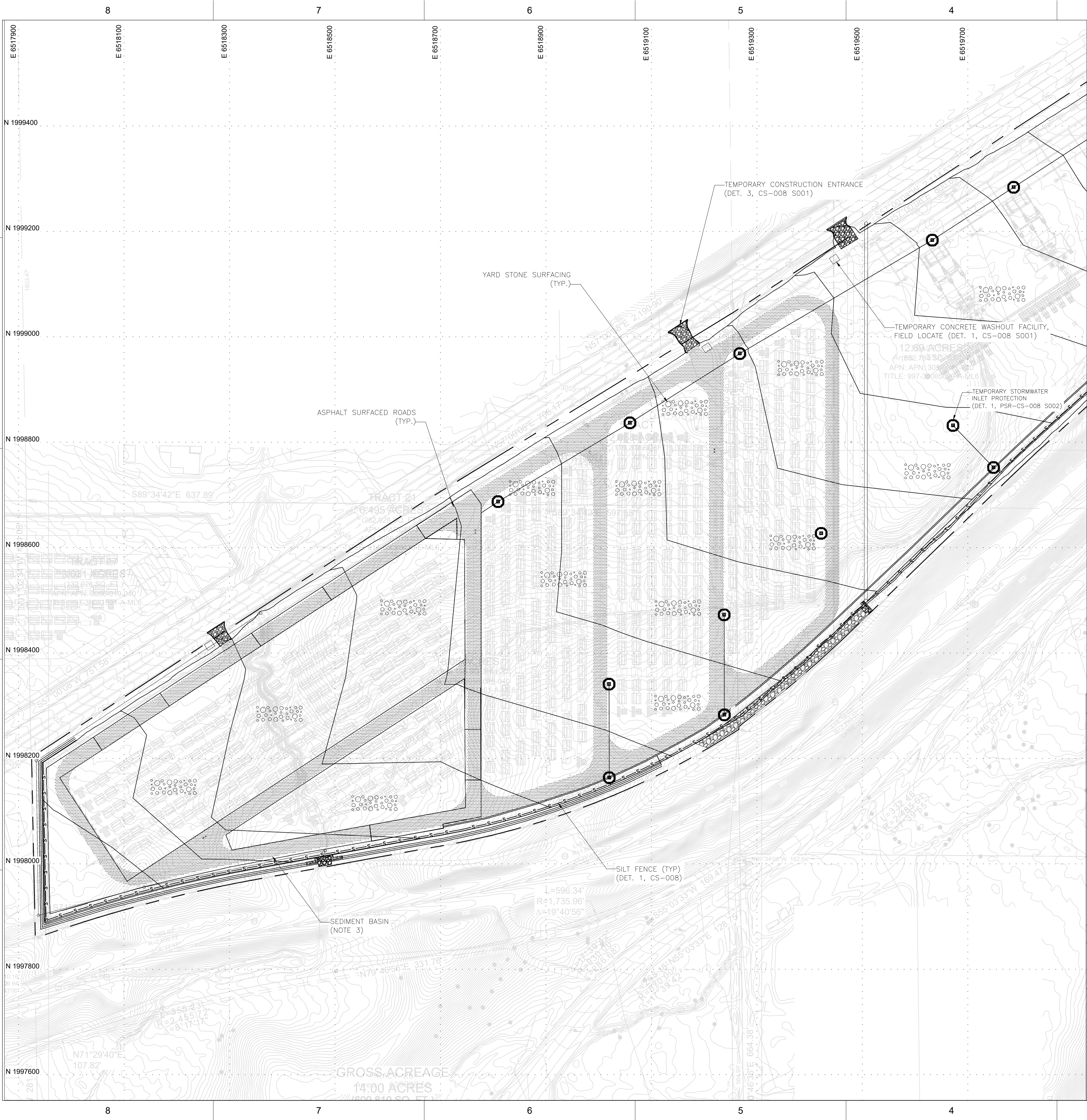
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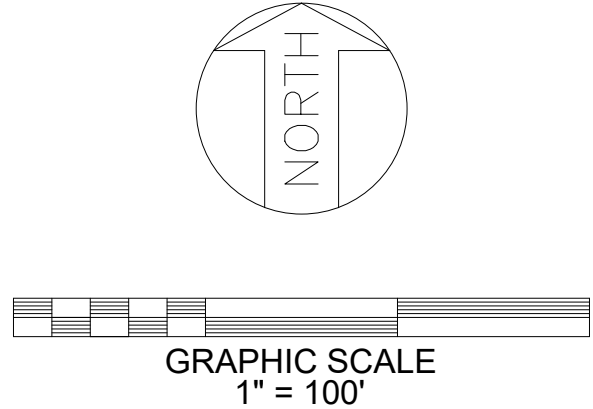
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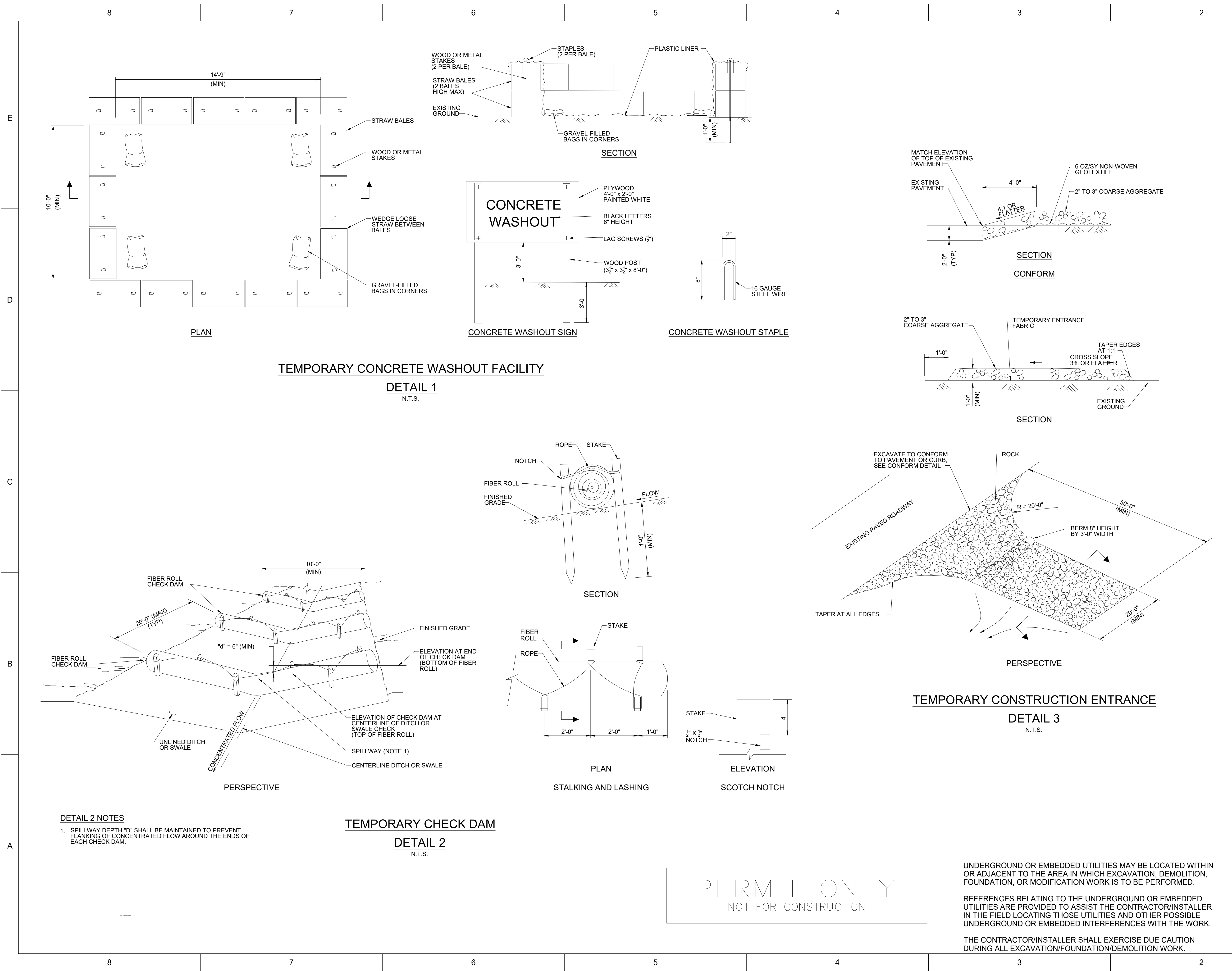
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\$PINFO:\$
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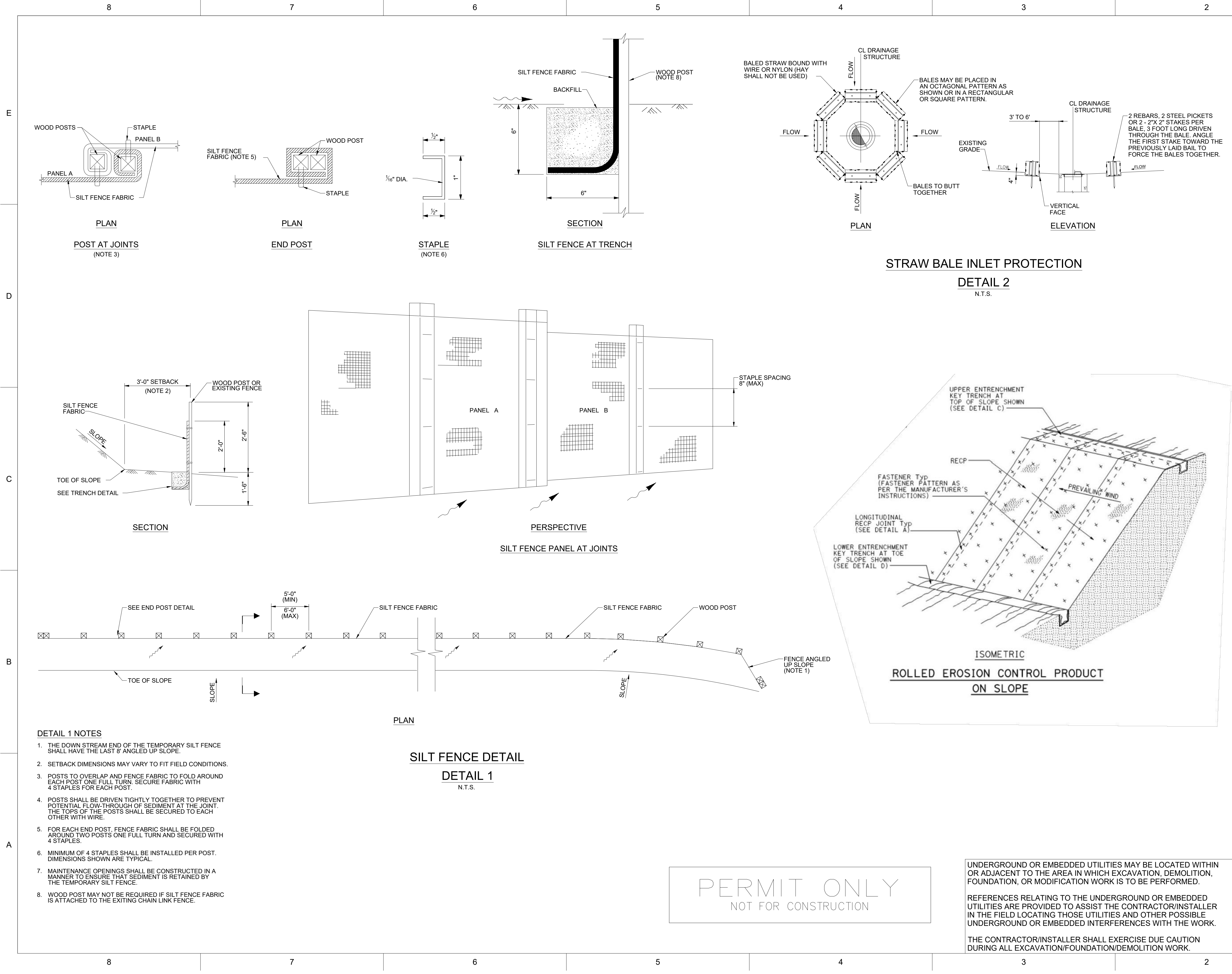



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0C	5/16/2025	ISSUED FOR PERMIT
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SPECIFICATION:		-
PROJECT NO.:		15474.001
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ISSUED FOR PRELIMINARY PURPOSES JOSHUA BICKETT P.E. LICENSE #95825		
CAD FILE NAME: PSR-CS-008 S001.DWG		
PREPARED BY: CAF/JN		
REVIEWED BY: JTP		
APPROVED BY: --		
ANY MODIFICATION OR ADDITION TO THIS DRAWING BY AN ORGANIZATION OTHER THAN SARGENT & LUNDY, IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.		
<div><p>SARGENT & LUNDY 55 EAST MONROE STREET CHICAGO, ILLINOIS 60603-5780</p></div>		
PROJECT		
PRAIRIE SONG RELIABILITY PROJECT		
DRAWING TITLE		
EROSION AND SEDIMENT CONTROL DETAILS		
DRAWING NUMBER		REVISION
PSR-CS-008 S001		0C
SHEET	1 OF 1	

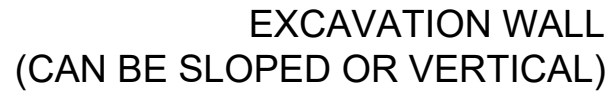
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REVIEWED BY:		JTP
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PROJECT		
PRAIRIE SONG RELIABILITY PROJECT		
DRAWING TITLE		
EROSION AND SEDIMENT CONTROL DETAILS		
DRAWING NUMBER		REVISION
PSR-CS-008 S002		0C
SHEET	1 OF 1	



DETAIL 1
N.T.S.

NOTES:

- DESIGNATION SS.

2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".

THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.

5. REQUIREMENTS FOR HANDLING AND INSTALLATION:


- 5.1. TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
- 5.2. TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
- 5.3. TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION:
 - 5.3.1. THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT²%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418.
 - 5.3.2. TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73°F / 23°C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

6. STONE MATERIAL FOR LAYERS "A" AND "B" SHALL BE CLEAN, CRUSHED ANGULAR STONE MEETING THE GRADATION REQUIREMENTS OF AASHTO M43, GRADATION NO. 57.

7. STONE MATERIAL FOR LAYER "C" SHALL BE CALTRANS CLASS 2 BASE MATERIAL.

8. LAYER "D" SHALL CONSIST OF EITHER CLASS 2 BASE MATERIAL OR ASPHALT PAVING PER DETAILS 1 AND 2 ON DRAWING PSR-CS-006 SH001.

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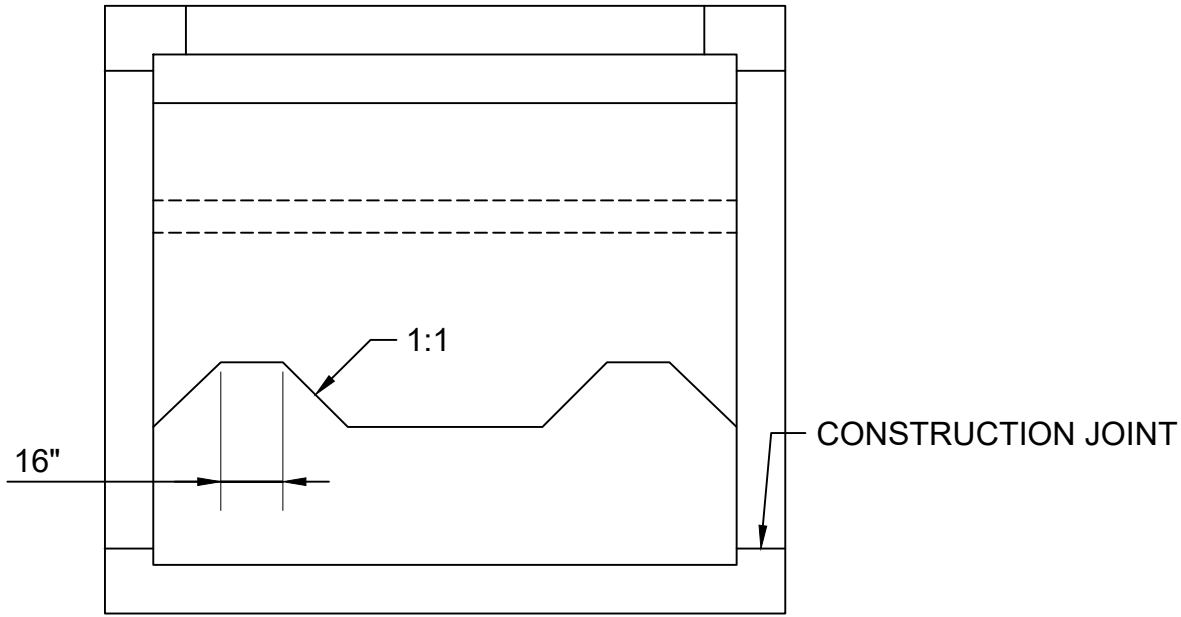
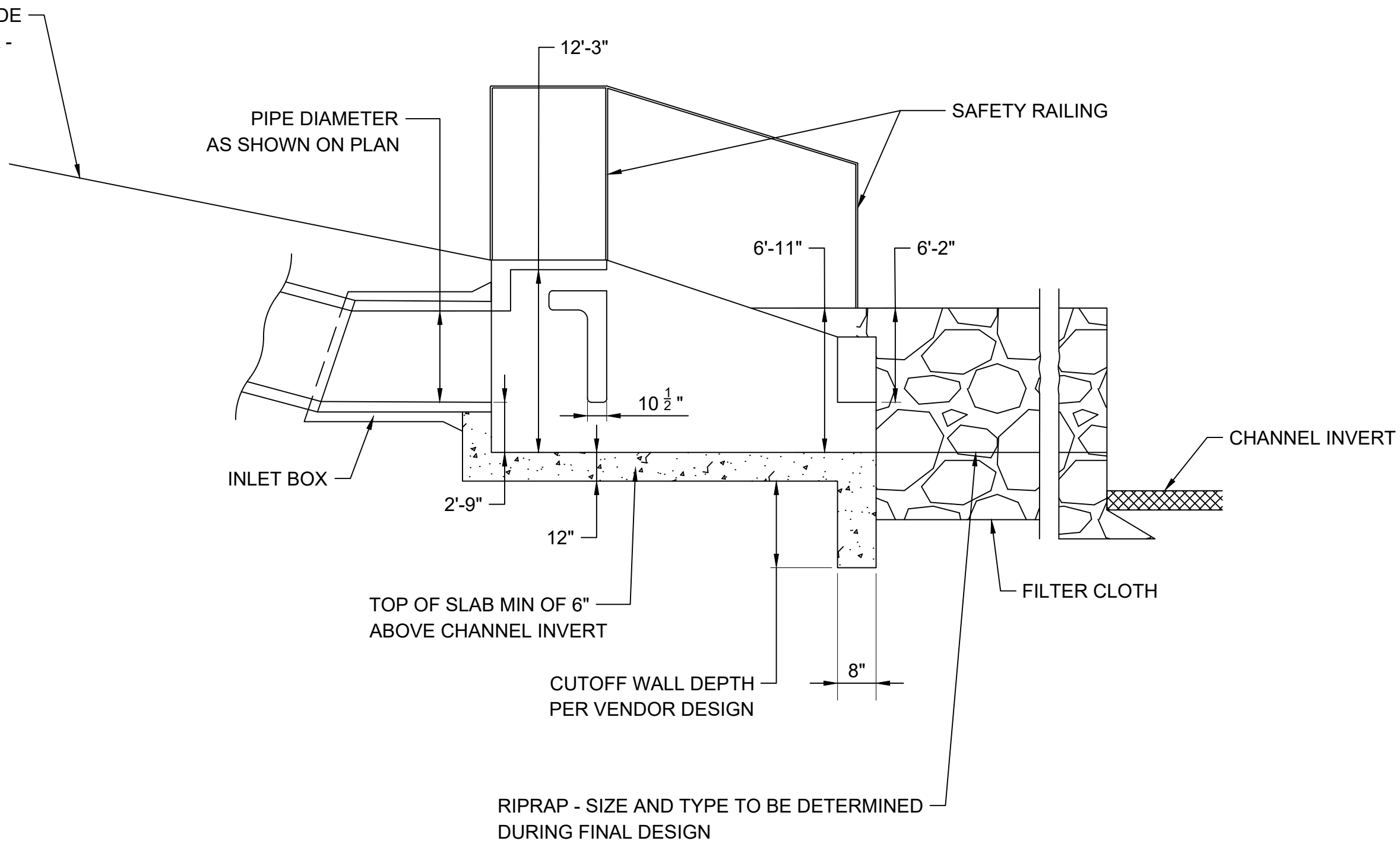
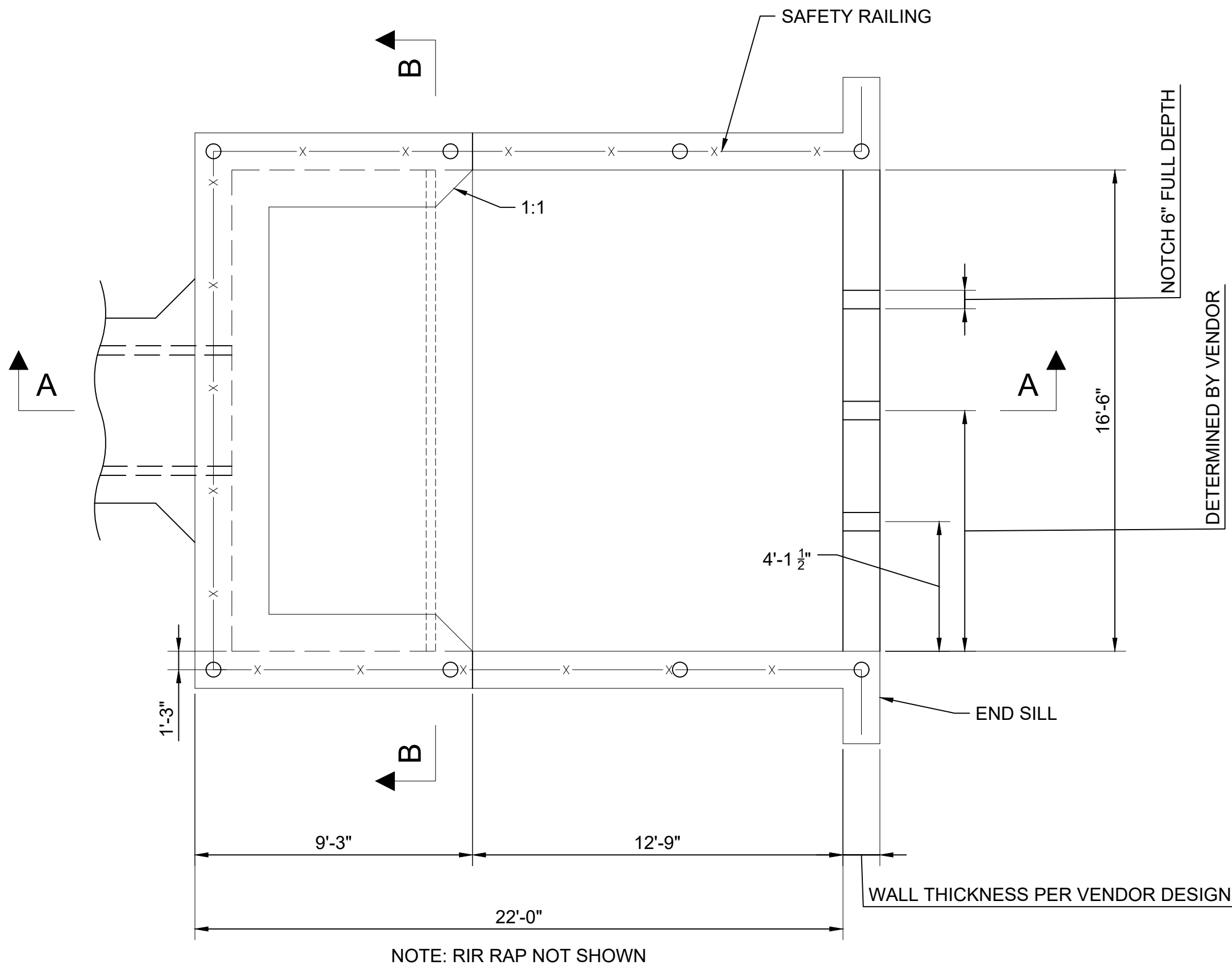
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CAD FILE NAME:		PSR-CS-009.DWG
PREPARED BY:		CAF/JN
REVIEWED BY:		JTP
APPROVED BY:		--
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 SARGENT & LUNDY 55 EAST MONROE STREET CHICAGO, ILLINOIS 60603-5780		
PROJECT		
PRAIRIE SONG RELIABILITY PROJECT		
DRAWING TITLE		
UNDERGROUND STORMWATER DETENTION BASIN DETAIL		
DRAWING NUMBER		REVISION
PSR-CS-009		0C
SHEET	1 OF 1	

\$FILEABBREV\$

\$TIMES\$

\$DATES\$

\$PINFO;\$
Form GDG-0401-01-09, ANSI (Imperial) MicroStation Border - Size D - 22 x 34
Revision 11A, Revision Date: 04-30-2010




NOTES:

- ALL REINFORCING TO BE DESIGNED BY THE VENDOR.
- DRAWING REPRESENTS A TYPICAL ENERGY DISSIPATOR THAT MAY BE USED FOR THE PROJECT. ACTUAL VENDOR DIMENSIONS MAY VARY SLIGHTLY FROM THOSE SHOWN.

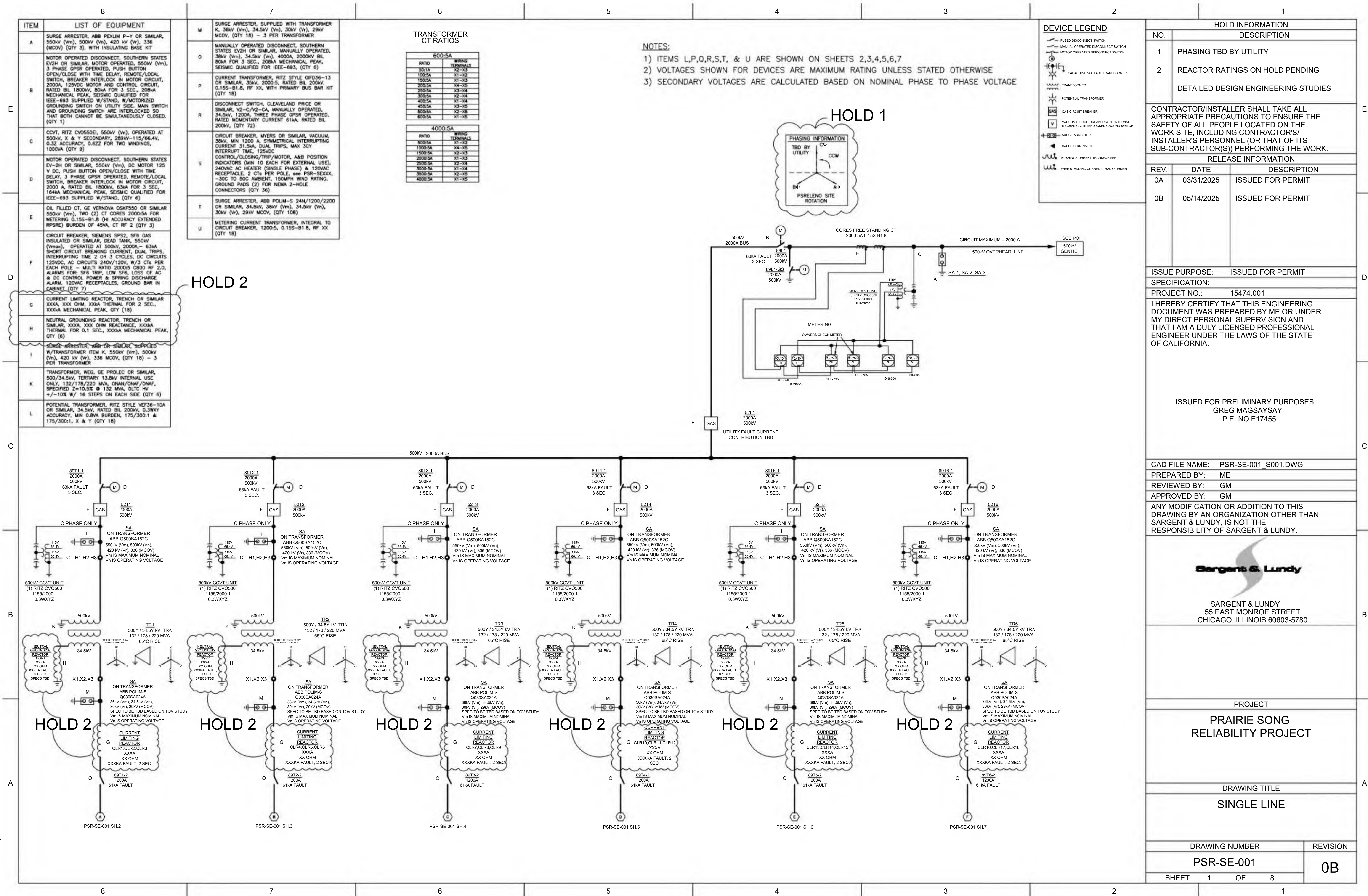
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PROJECT		
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DRAWING TITLE		
ENERGY DISSIPATOR DETAILS		
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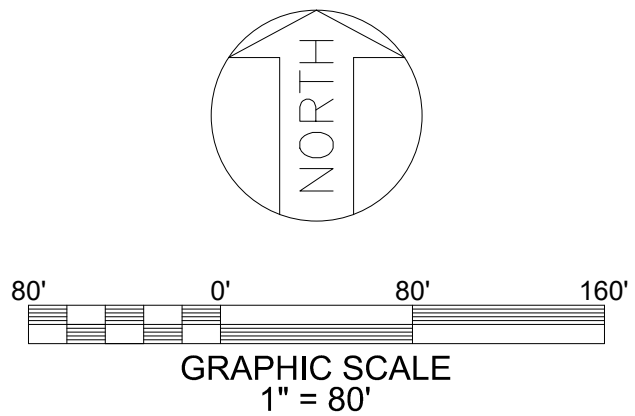


MATCHLINE PSR-CS-004 S009



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VICINITY MAP



NOTES


1. GEOTECHNICAL ENGINEERING REPORT PREPARED BY: TERRACON CONSULTANTS INC., PROJECT NO. LA245085, DATED 05-14-2025.
2. FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING PSR-CS-002.
3. ESTIMATED QUANTITIES: * SEE NOTES ON DRAWING PSR-CS-004 S009
4. EXISTING CULVERT WILL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE DOWNSTREAM END OF THE CULVERT WILL BE CONNECTED TO A NEW MANHOLE TO PROVIDE CONTINUATION OF STORM WATER CONVEYANCE DOWNSTREAM OF THE BESS FACILITY.

REFERENCE DRAWINGS

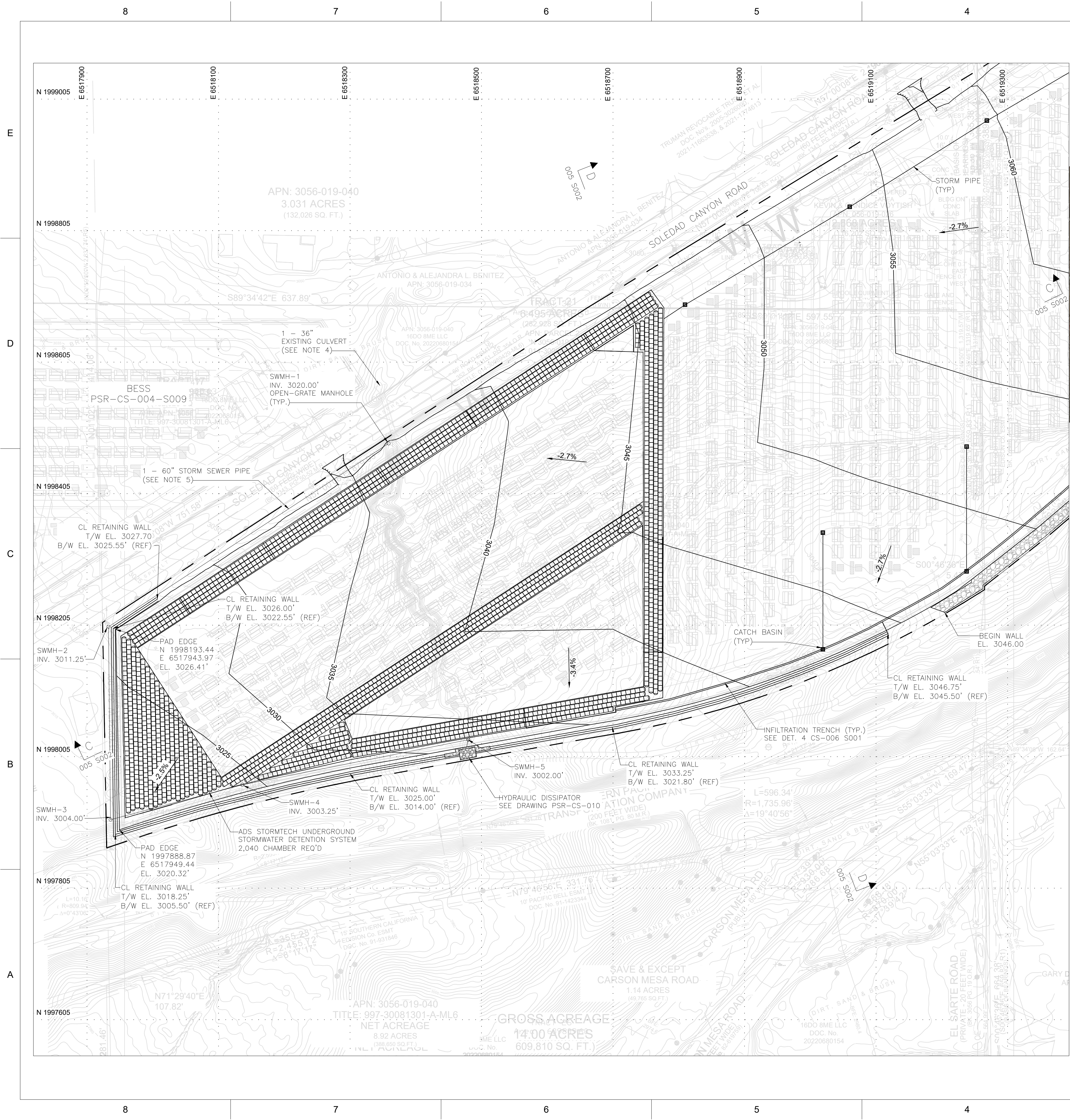
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CAD FILE NAME: PSR-CS-004 S010.DWG		
PREPARED BY:		CAF/JN
REVIEWED BY:		JTP
APPROVED BY:		--
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PROJECT		
PRAIRIE SONG RELIABILITY PROJECT		
DRAWING TITLE		
BESS GRADING AND DRAINAGE PLAN		
DRAWING NUMBER		REVISION
PSR-CS-004 S010		0D
SHEET	1 OF 1	

\$FILE\$ABBREV\$
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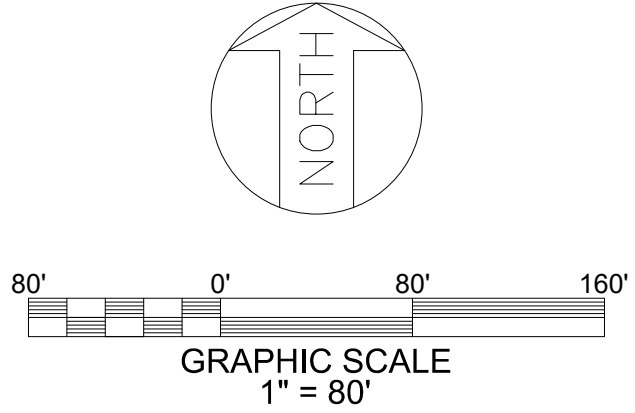


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VICINITY MAP

MATCHLINE PSR-CS-004 S012



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2. FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING PSR-CS-002.	
3. ESTIMATED QUANTITIES CUT: 126,610 CY FILL: 468,730 CY 12" TOPSOIL STRIP: 212,140 SY NET: 342,120 CY FILL	
4. EXISTING CULVERT WILL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE DOWNSTREAM END OF THE CULVERT WILL BE CONNECTED TO A NEW MANHOLE TO PROVIDE CONTINUATION OF STORM WATER CONVEYANCE DOWNSTREAM OF THE BESS FACILITY.	
5. UPSTREAM FLOWS WHICH ARE NORMALLY CONVEYED THROUGH THE EXISTING RAVINE WILL BE COLLECTED AND REROUTED THROUGH THE PIPELINE. STORMWATER WILL DISCHARGE THROUGH A HYDRAULIC ENERGY DISSIPATOR AT THE DOWNSTREAM LOCATION OF THE EXISTING RAVINE.	
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