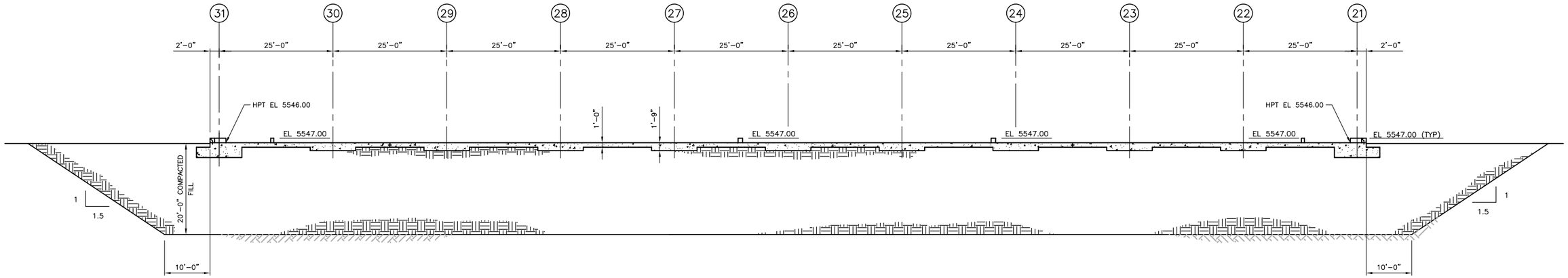
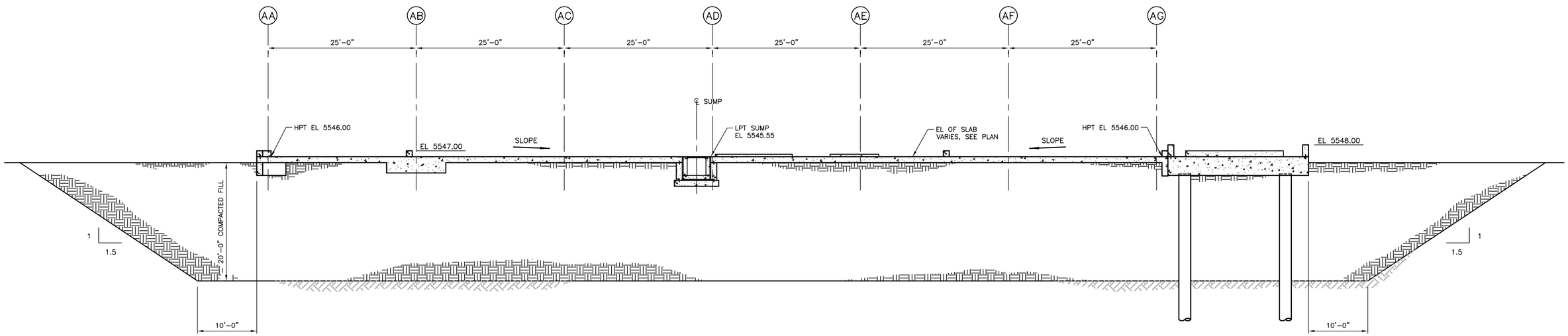


SECTION A–A (500–S–001) (500–S–002)

SCALE: 3/32"=1'-0"



SECTION B–B (500–S–001) (500–S–003)

SCALE: 1/8"=1'-0"

NOTES:

1. SEE DRAWING 000–S–001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
2. THE PRECIPITATION AND PACKAGING BUILDING SHALL BE PRELOADED WITH FILL PRIOR TO CONSTRUCTION OF THE FOUNDATION. SEE DETAIL 4 ON DRAWING 1000–S–003.

REVISIONS			
REV	DATE	DESCRIPTION	APPRVD BY
	5/20/10	PERMIT ISSUE	DAB

0 1/2 1 2
2" AT FULL SIZE
SCALE ACCORDINGLY

CONSULTANTS:
SM&RC Structural Engineers Inc.
215 S. Wadsworth Blvd., Suite 320
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ph 303.274.8656
fax 303.484.3777

CLIENT:
ENERGY FUELS RESOURCES CORPORATION
44 Union Blvd., Suite 600
Lakewood, CO 80228–1815
303–974–2140

PIÑON RIDGE MILL FOUNDATIONS – MONTROSE COUNTY, CO

AREAS 500/700

PRECIPITATION AND PACKAGING BUILDING SECTIONS

SMRC PROJECT NO.	EFR–2010–01
DESIGN BY:	MW/DAB
DRAWN BY:	RC/KL
CHECKED BY:	DAB
DRAWING NO.	500–S–004
SHEET:	16 OF 25

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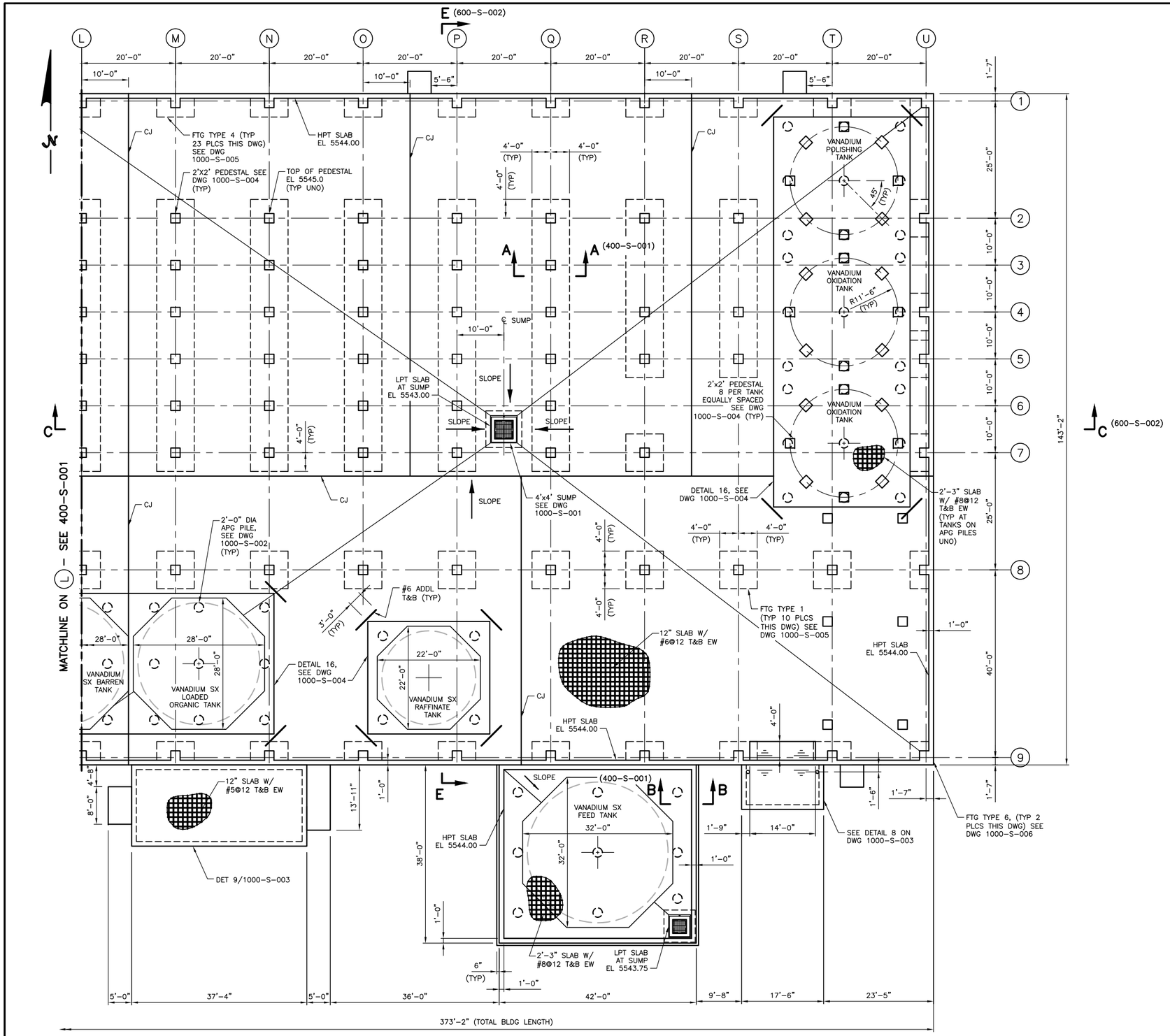
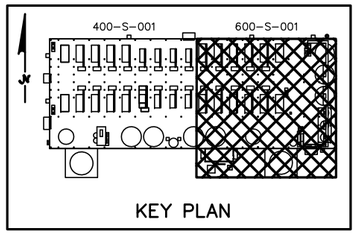


PLAN
SCALE: 3/32" = 1'-0"



NOTES:

1. SEE DRAWINGS 000-S-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
2. THE SOLVENT EXTRACTION BUILDING – URANIUM SX AREA SHALL BE PRELOADED WITH FILL PRIOR TO CONSTRUCTION OF THE FOUNDATION. SEE DETAIL 4 ON DRAWING 1000-S-003.

REVISIONS			
REV	DATE	DESCRIPTION	APPRVD BY
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2" AT FULL SIZE
SCALE ACCORDINGLY

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PIÑON RIDGE MILL FOUNDATIONS – MONTROSE COUNTY, CO

AREA 600

SOLVENT EXTRACTION BUILDING EAST VANADIUM SX AND OXIDATION – PLAN

SMRC PROJECT NO. EFR-2010-01
DESIGN BY: MW/DAB
DRAWN BY: RC
CHECKED BY: DAB
DRAWING NO. 600-S-001
SHEET: 17 OF 25

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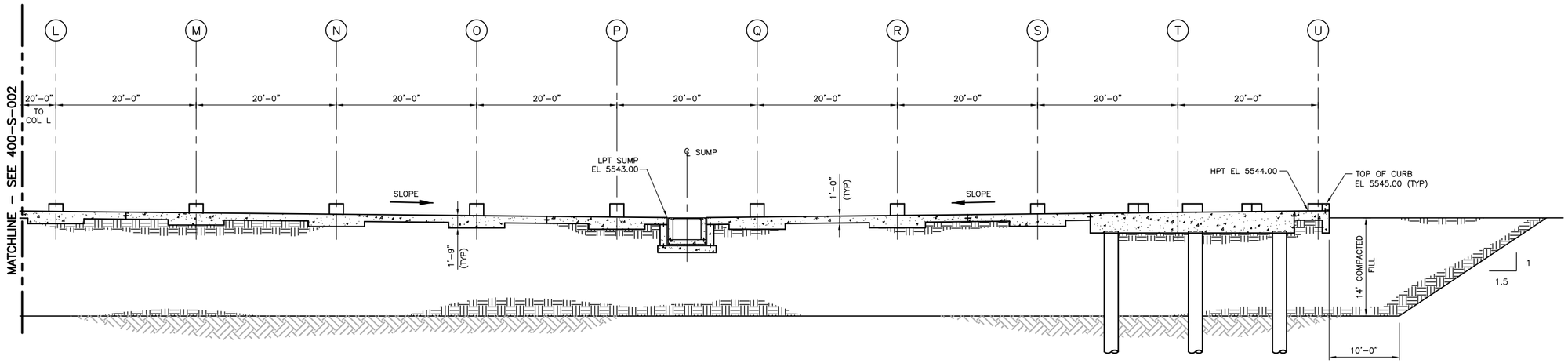
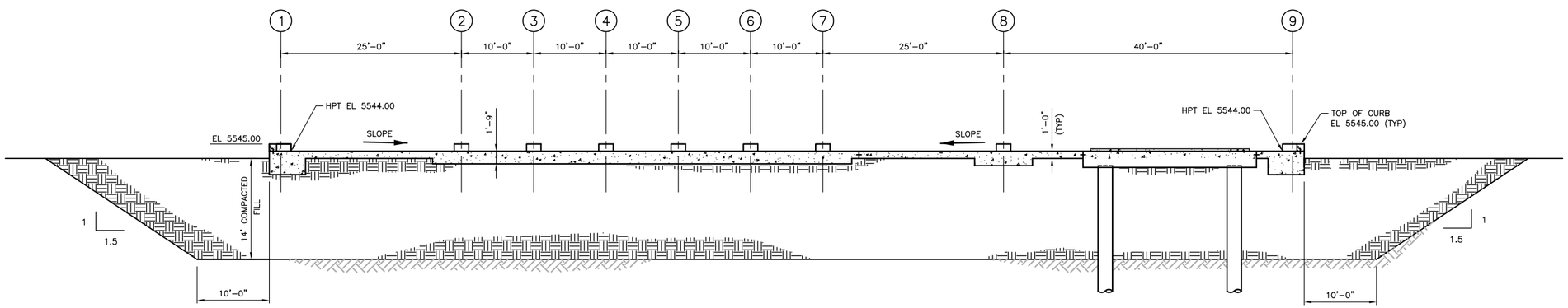


SECTION C–C (600–S–001)
SCALE: 1/8" = 1'-0"



SECTION E–E (600–S–001)
SCALE: 1/8" = 1'-0"

NOTES:

1. SEE DRAWING 000–S–001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
2. THE SOLVENT EXTRACTION BUILDING – URANIUM SX AND OXIDATION AREA SHALL BE PRELOADED WITH FILL PRIOR TO CONSTRUCTION OF THE FOUNDATION. SEE DETAIL 4 ON DRAWING 1000–S–003.

REVISIONS			
REV	DATE	DESCRIPTION	APPRVD BY
	5/20/10	PERMIT ISSUE	DAB

0 1/2 1 2
2" AT FULL SIZE
SCALE ACCORDINGLY

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PIÑON RIDGE MILL FOUNDATIONS – MONTROSE COUNTY, CO

AREA 600

SOLVENT EXTRACTION BLDG EAST VANADIUM SX AND OXIDATION – SECTIONS AND DETAILS

SMRC PROJECT NO. EFR–2010–01
DESIGN BY: MW/DAB
DRAWN BY: RC
CHECKED BY: DAB
DRAWING NO. 600–S–002
SHEET: 18 OF 25

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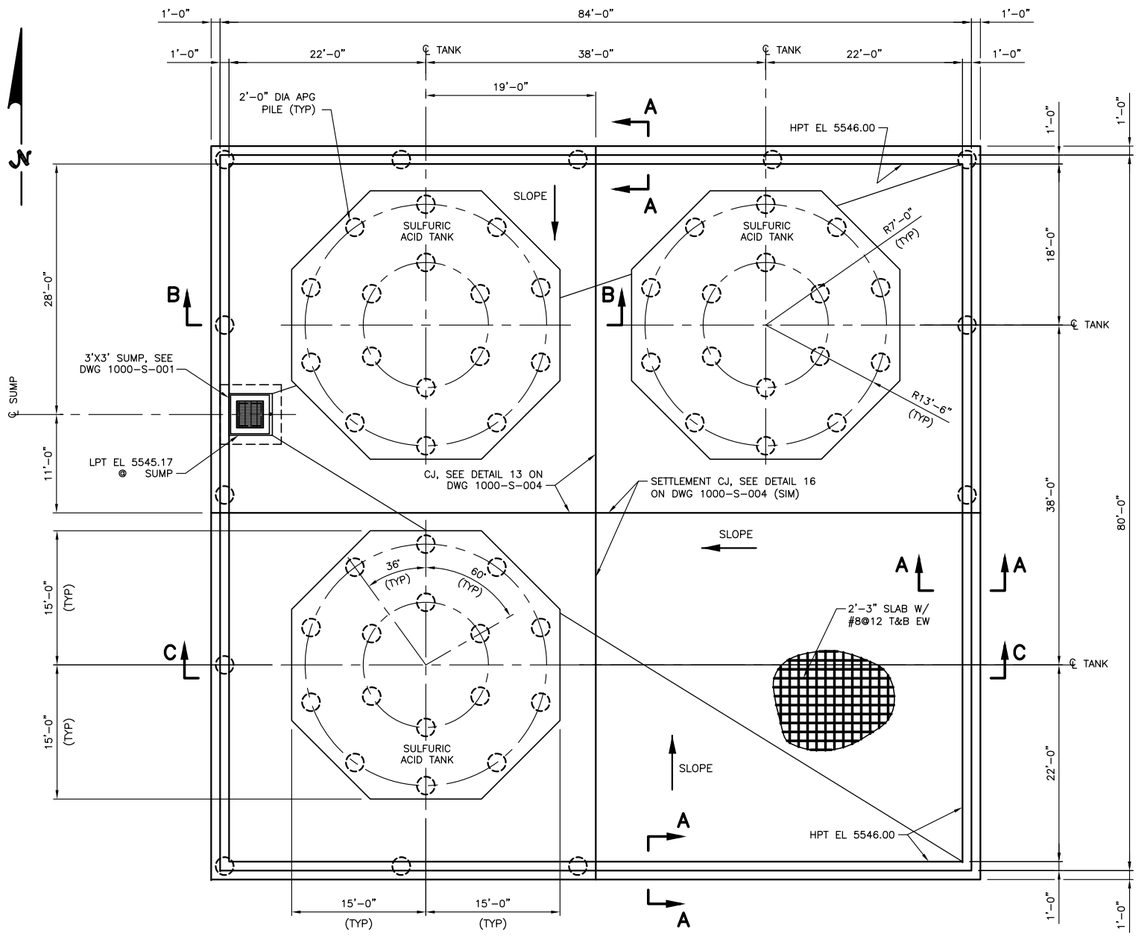
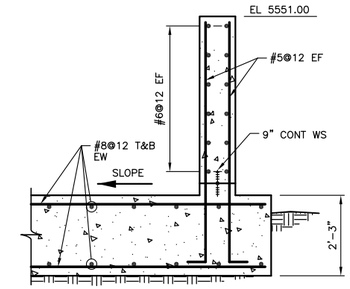
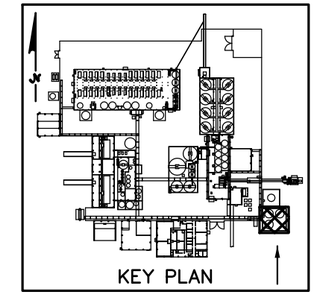
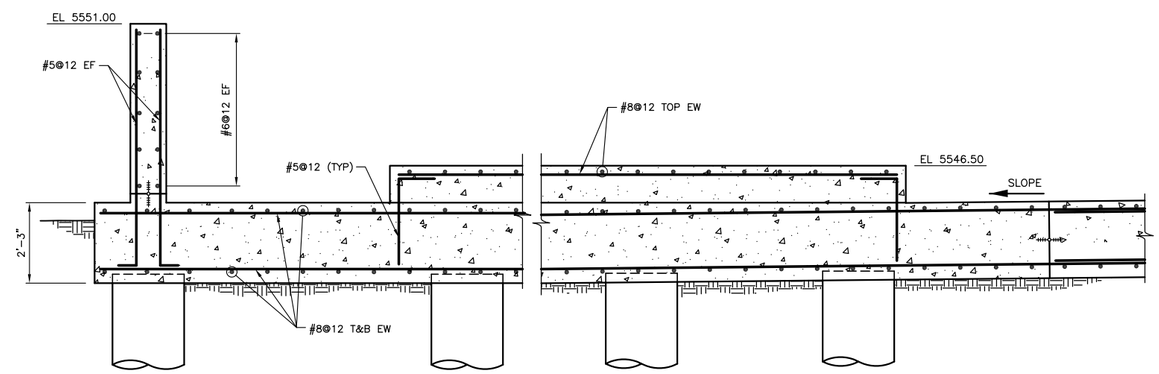


PLAN
SCALE: 1/8" = 1'-0"

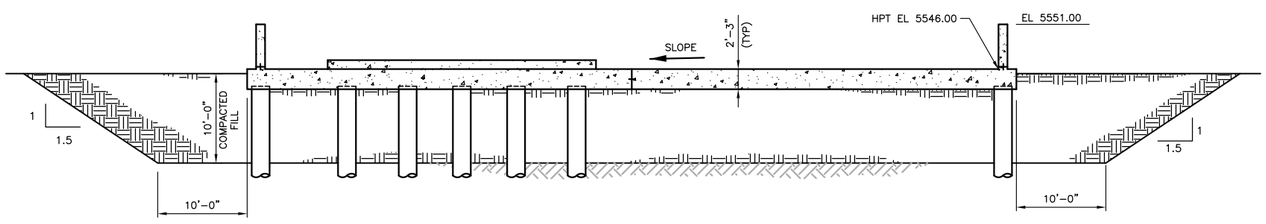


SECTION A-A
SCALE: 1/2" = 1'-0"





SECTION B-B
SCALE: 1/2" = 1'-0"



SECTION C-C
SCALE: 1/8" = 1'-0"

NOTES:

1. SEE DRAWING 000-S-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
2. SEE DRAWING 1000-S-002 FOR DETAILS OF APG PILES.
3. THE SULFURIC ACID STORAGE AREA SHALL BE PRELOADED WITH FILL PRIOR TO CONSTRUCTION OF THE FOUNDATION. SEE DETAIL 4 ON DRAWING 1000-S-003.

REVISIONS			
REV	DATE	DESCRIPTION	APPRVD BY
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0 1/2 1 2
2" AT FULL SIZE
SCALE ACCORDINGLY

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PIÑON RIDGE MILL FOUNDATIONS – MONTROSE COUNTY, CO

AREA 800

OUTSIDE SULFURIC ACID STORAGE
PLAN AND SECTIONS

SMRC PROJECT NO. EFR-2010-01
DESIGN BY: JI
DRAWN BY: KL
CHECKED BY: JI

DRAWING NO. 800-S-001

SHEET: 19 OF 25

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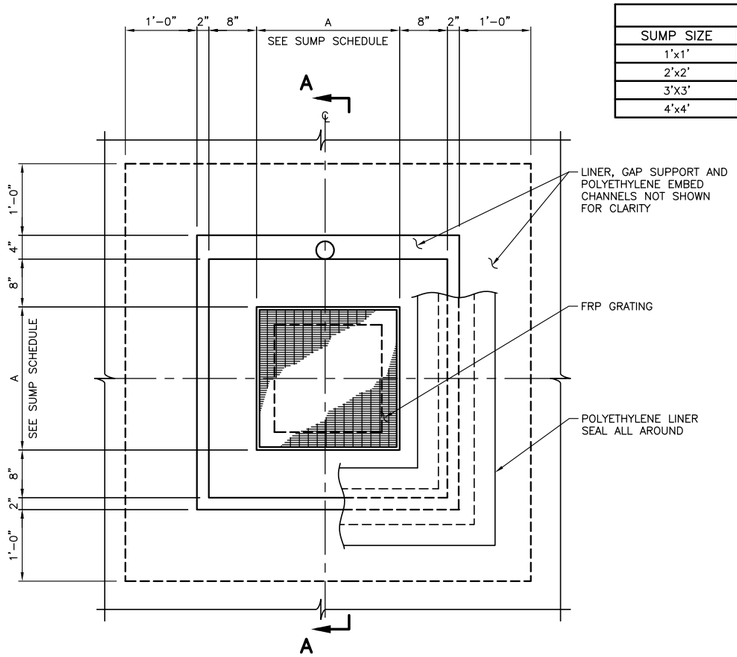
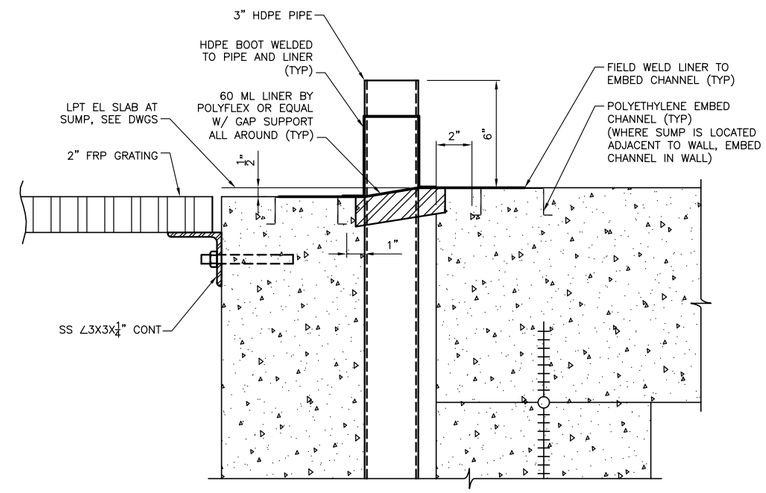
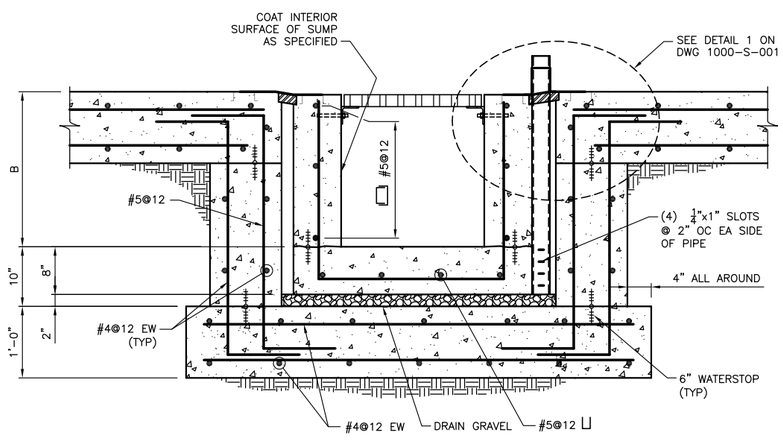


SUMP SCHEDULE		
SUMP SIZE	A	B
1'x1'	1'-0"	1'-0"
2'x2'	2'-0"	2'-0"
3'X3'	3'-0"	3'-0"
4'x4'	4'-0"	4'-0"

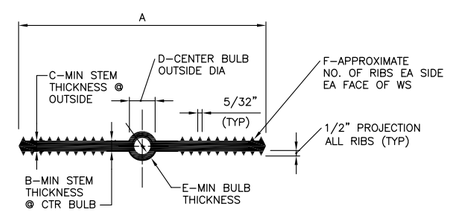
PLAN
SCALE: 1"=1'-0"



DETAIL 1
SCALE: 3"=1'-0"



SECTION A-A
SCALE: 1"=1'-0"

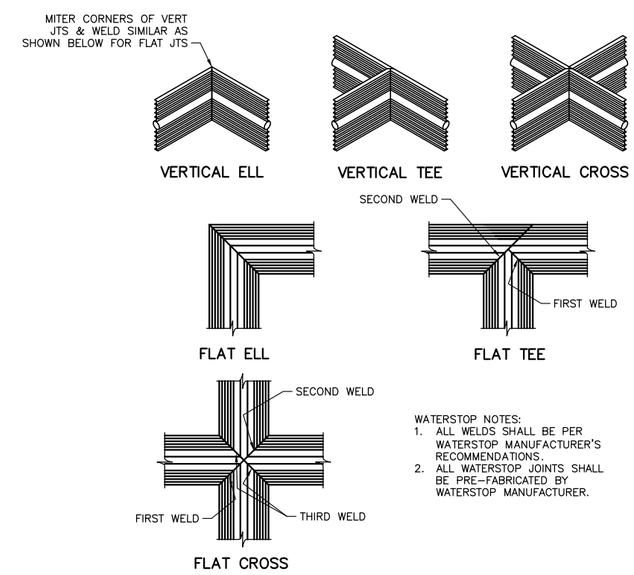


WATERSTOP NOTES:

1. NON-ROUND CENTER BULBS SHALL HAVE A MIN OUTSIDE DIM OF 'D'.

SIZE	A	B	C	D	E	F	APPLICATION
9"x3/8"	9"	3/8"	3/8"	7/8"	1/4"	6	ALL STRUCTURES UNO
6"x3/8"	6"	3/16"	3/16"	3/8"	3/16"	4	SUMPS

DETAIL 2
NATURAL RUBBER WATERSTOP
NOT TO SCALE



WATERSTOP NOTES:
1. ALL WELDS SHALL BE PER WATERSTOP MANUFACTURER'S RECOMMENDATIONS.
2. ALL WATERSTOP JOINTS SHALL BE PRE-FABRICATED BY WATERSTOP MANUFACTURER.

DETAIL 3
WATERSTOP JOINT
NOT TO SCALE

NOTES:

1. SEE DRAWING 000-S-001 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS AND LEGEND.

REVISIONS			
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	5/20/10	PERMIT ISSUE	DAB

0 1/2 1 2
2" AT FULL SIZE
SCALE ACCORDINGLY

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PIÑON RIDGE MILL FOUNDATIONS – MONTROSE COUNTY, CO

SUMP PLAN AND DETAILS

SMRC PROJECT NO.	EFR-2010-01
DESIGN BY:	JJ/DAB
DRAWING BY:	KL
CHECKED BY:	DAB
DRAWING NO.	1000-S-001
SHEET:	20 OF 25

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