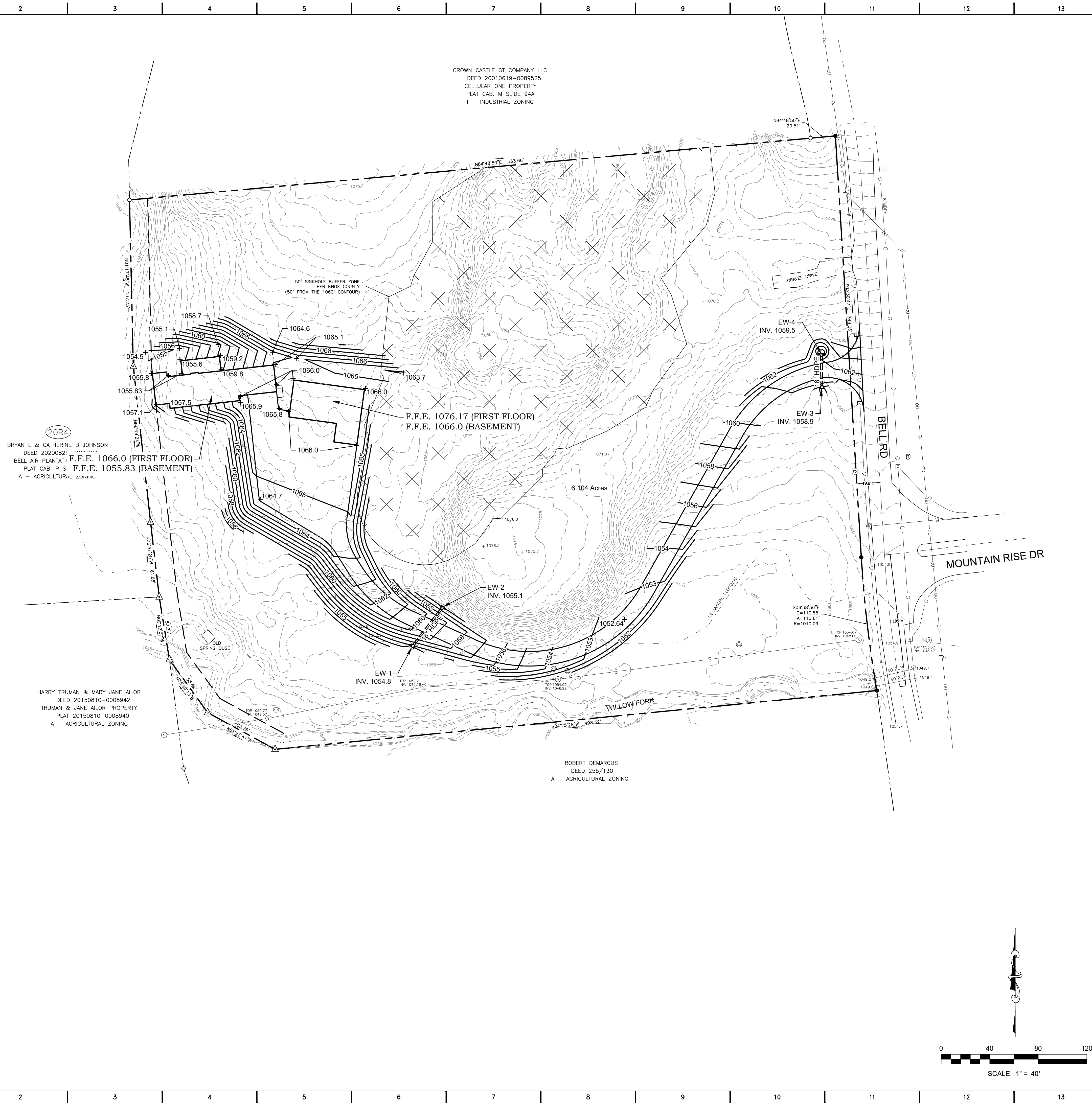


Point	Northing	Easting	Description
14	653,021.07	2,588,690.08	EDGE DRIVE PC
15	653,037.2	2,588,683.42	EDGE DRIVE POC
16	653,054.64	2,588,682.71	EDGE DRIVE PT
17	653,025.52	2,588,673.02	EDGE DRIVE PC
18	653,032.66	2,588,667.22	EDGE DRIVE POC
19	653,038.28	2,588,659.94	EDGE DRIVE PT
20	653,068.17	2,588,610.37	EDGE DRIVE
21	653,113.99	2,588,690.74	CORNER GARAGE
22	653,159.66	2,588,696.92	CORNER GARAGE
23	653,167.51	2,588,638.9	CORNER GARAGE
24	653,146.98	2,588,525.09	CORNER HOUSE
25	653,157.96	2,588,624.57	CORNER HOUSE
26	653,179.95	2,588,622.13	CORNER HOUSE

C1.1

SHEET NO.

H:\Elizabeth Eason Arch\196.06 - Rueter Property\02-Drawings\Sheets\C1.2 Grading And Drainage Plan.dwg
Plotted: April 24, 2023 3:45 PM By: Ron Whittaker



LEGEND

EXISTING

- IRON ROD
- IRON PIPE
- UTILITY POLE
- UTILITY-LIGHT POLE
- GUY
- ELECTRIC METER
- ELECTRIC PULL BOX
- ELECTRIC TRANSFORMER
- TELEPHONE PEDESTAL
- FIBER OPTICS MARKER
- GAS METER
- VALVE
- WATER METER
- FIRE HYDRANT
- MANHOLE
- CLEANOUT
- CURB INLET
- HVAC UNIT
- HANDICAP PARKING
- SIGN
- BOLLARD
- TREE
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- CHAIN LINK FENCE
- WOODEN FENCE
- WATER LINE
- SANITARY SEWER LINE
- GAS LINE
- DUCTILE IRON
- OVERHEAD POWER LINE
- ELECTRIC LINE
- PROPERTY BOUNDARY
- BENCH MARK

NEW

- STORM LINE
- FLARED END SECTION

GENERAL NOTES:

- SURVEY PROVIDED BY PROFESSIONAL LAND SYSTEMS, NO SURVEY HAS BEEN PERFORMED BY C2RL ENGINEERS, INC.
- ALL GRADES SHOWN ARE FINAL GRADE. CONTRACTOR SHALL ACCOUNT FOR TOPSOIL, PAVEMENT THICKNESS, BUILDING SLAB, LANDSCAPING MULCH, ETC. WHEN ESTABLISHING SUBGRADE.
- THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY, EXACT LOCATIONS SHALL BE DETERMINED BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING TENNESSEE ONE CALL AT 1-800-351-1111 WILL BE REQUIRED.
- TOTAL DISTURBED AREA - 1.5 ACRES
- ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGE TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR THE PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND/OR THE CONTRACTOR.

6-J-23-DP
4/24/2023

C2RL, INC
engineers

240 W. Bessemer Street, Alcoa, TN 37701
Ph. (865) 980-3500

DATE:

REVISIONS:

Rueters Home
Halls, Tennessee

Elizabeth Eason Architecture
Knoxville, Tennessee

Site Grading & Drainage Plan

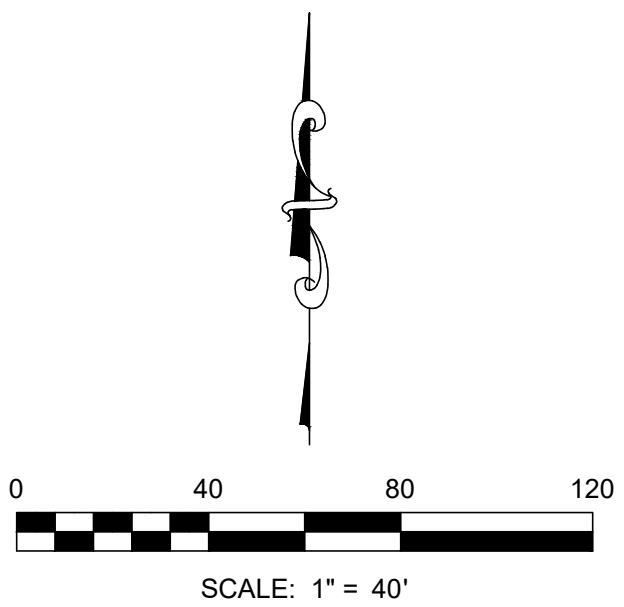
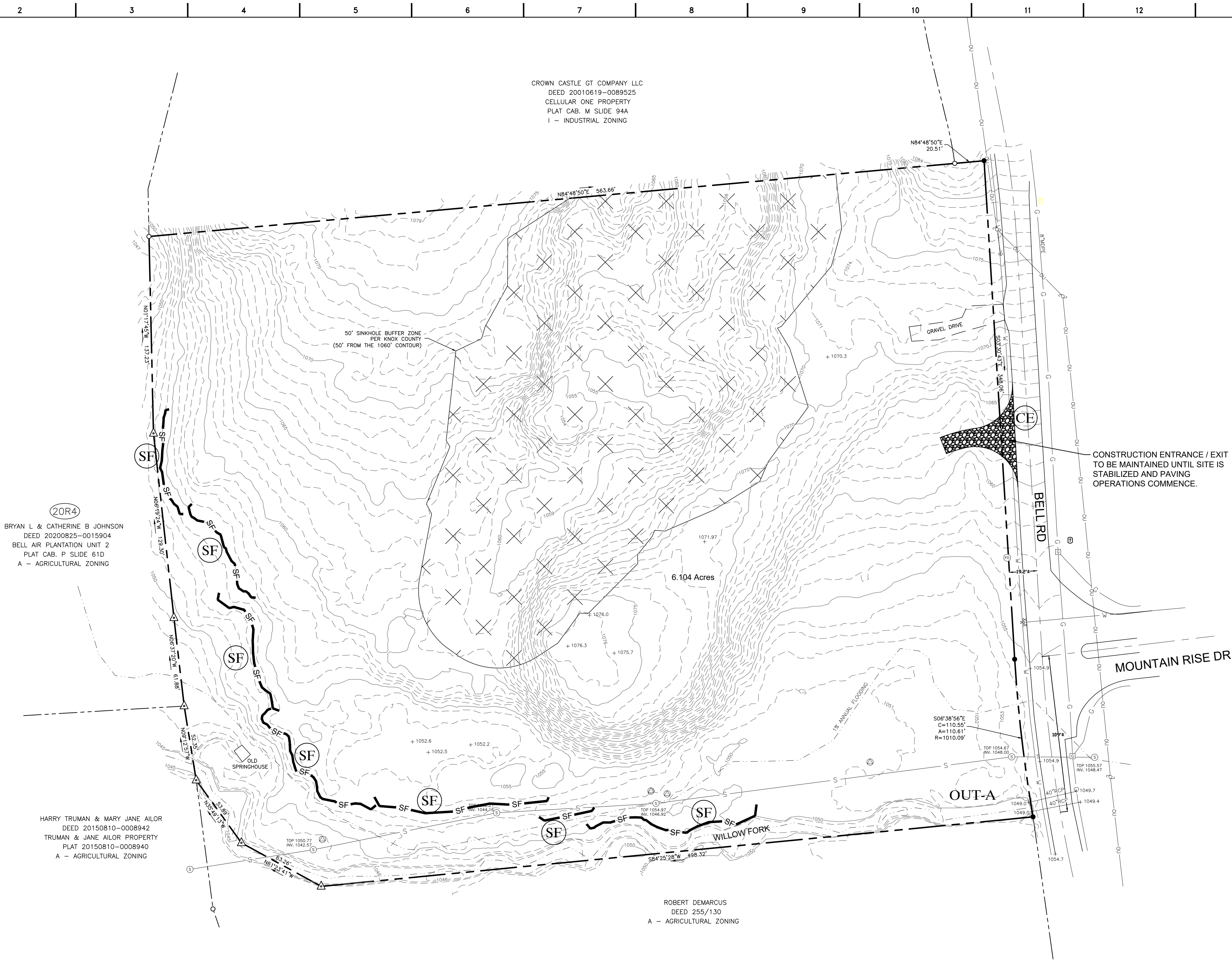


JOB NO: 196.06
DATE: 4.24.23
DRAWN: SLC
CHECKED: JRW

C1.2

SHEET NO.

H:\Elizabeth Eason Arch\196.06 - Rueter Property\02-Drawings\Sheets\C1.3 Erosion Control Plan - Initial.dwg
Plotted: April 24, 2023 3:46 PM By: Ron Whitaker



LEGEND

SF	TEMPORARY SILT FENCE	K1 C2.1
CD	ROCK CHECK DAM	K6 C2.1
CE	CONSTRUCTION ENTRANCE / EXIT	G12 C2.1

EROSION CONTROL NOTES

- THE PURPOSE OF THIS EROSION CONTROL PLAN IS TO MINIMIZE EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE DURING CONSTRUCTION. THEREFORE, TDEC, KNOX COUNTY, THE ENGINEER, OR THE OWNER MAY REQUIRE CHANGES BE MADE TO THIS PLAN AT ANY TIME.
- EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL FOLLOW THE APPROVED PLAN DETAILS AND THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE (WHERE NEEDED) AND FUNCTIONAL BEFORE THE DAY'S WORK MAY BEGIN AND MUST BE CONSTRUCTED AND MAINTAINED WHILE WORK IS PROGRESSING UPSTREAM. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY.
- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 15 DAYS PRIOR TO WORK IN THAT AREA UNLESS THE AREA IS SEEDED OR MULCHED OR OTHER TEMPORARY COVER INSTALLED.
- CLEARING AND GRUBBING MUST BE HELD TO THE MINIMUM AREA NECESSARY FOR INSTALLATION AND EQUIPMENT OPERATION. EXISTING VEGETATION AT THE WORK AREA SHOULD BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE.
- TEMPORARY SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS, AND ON ALL STOCKPILES. PERMANENT SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE COMPLETED AND/OR CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA.
- CONTRACTOR SHALL SEED ANY AREAS THAT SHOW SIGNS OF EXCESSIVE EROSION.
- ALL SLOPES SHALL BE STABILIZED AS SOON AS THEY ARE AT FINISHED GRADE.
- LITTER, CONSTRUCTION DEBRIS AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER SHALL BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF SITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- PLACEMENT OF PORT-A-POTTIES ON THE PROJECT SHALL NOT BE LOCATED CLOSE TO STREAMS, WETLANDS OR STORM DRAINS.
- A STORAGE AREA FOR CONSTRUCTION RELATED MATERIALS MUST BE COORDINATED ON SITE WITH THE OWNER. THIS AREA WILL NEED TO HAVE EROSION PREVENTION AND SEDIMENT CONTROL MEASURES INSTALLED TO PREVENT DEBRIS AND TRASH FROM SPREADING OVER THE SITE. A TRASH RECEPTACLE WITH A LID IS REQUIRED ON SITE. THESE STORAGE AREAS AND RECEPTACLES SHALL BE PROPERLY MAINTAINED AND FREE OF DEBRIS AND POLLUTANTS TO THE SITE THROUGHOUT CONSTRUCTION.
- AFTER USE, MATERIALS USED FOR EROSION PREVENTION AND SEDIMENT CONTROL (SUCH AS SILT FENCES) SHOULD BE REMOVED OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- SEDIMENT SHOULD BE REMOVED FROM SILT FENCES AND OTHER SEDIMENT CONTROLS ONCE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- IF SEDIMENT ESCAPES CONSTRUCTION AREA, OFF SITE ACCUMULATIONS THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS. CONTRACTORS SHALL NOT INITIATE REMEDIATION/RESTORATION OF A STREAM WITHOUT CONSULTING TDEC FIRST. ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE SETTLED WITH THE ADJOINING PROPERTY OWNER.
- A RAIN GAUGE SHALL BE MAINTAINED ON SITE OR A REFERENCE SITE IS TO BE USED FOR RECORDING DAILY RAINFALL AMOUNTS. THIS DATA MUST BE RECORDED AND KEPT ON SITE.
- THE FOLLOWING RECORDS MUST BE KEPT AT OR NEAR THE WORK AREA:
 - THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.
 - THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE
 - THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
 - TWICE WEEKLY AND OTHER INSPECTION RECORDS.
 - RAINFALL RECORDS.
- A COPY OF THE SWPPP SHALL BE KEPT ON SITE IN A LOCATION COORDINATED BETWEEN THE CONTRACTOR AND THE OWNER AND VERIFIED PRIOR TO CONSTRUCTION.

GENERAL NOTES

- SURVEY PROVIDED BY PROFESSIONAL LAND SYSTEMS, NO SURVEY HAS BEEN PERFORMED BY C2RL ENGINEERS, INC.
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C2RL, INC
engineers

240 W. Bessemer Street Alcoa, TN 37701
Ph. (865) 980-5600

DATE:				
REVISIONS:				

Rueters Home
Halls, Tennessee

Elizabeth Eason Architecture
Knoxville, Tennessee

Erosion & Sediment Control Plan - Initial

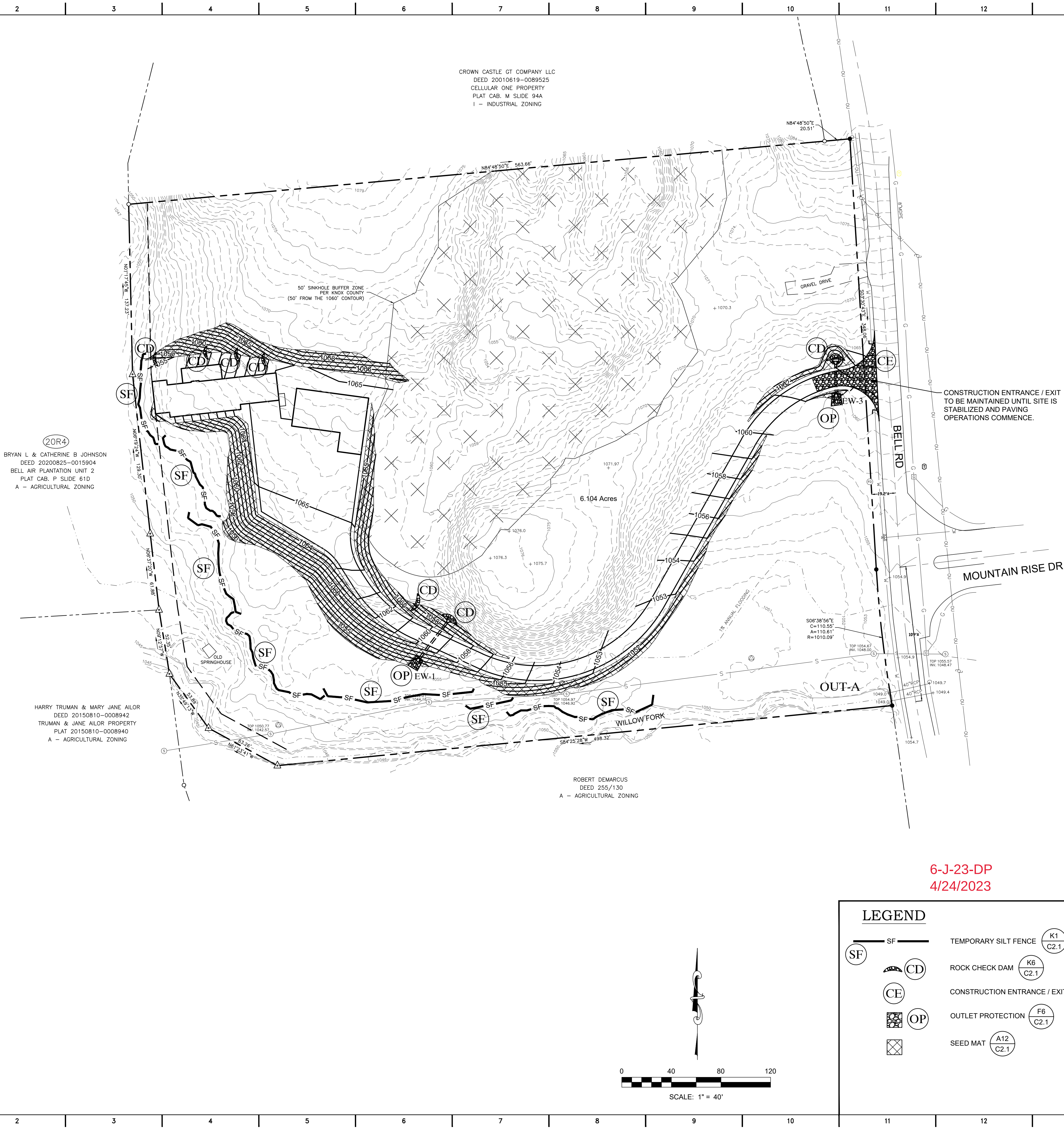


JOB NO: 196.06
DATE: 4.24.23
DRAWN: SLC
CHECKED: JRW

C1.3

SHEET NO.

H:\Elizabeth Eason Arch\196.06 - Rueter Property\02-Drawings\Sheets\C1.4 Erosion Control Plan - Final.dwg
Plotted: April 24, 2023 3:47 PM By: Ron Whittaker



6-J-23-DP
4/24/2023

EROSION CONTROL NOTES

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C2RL, INC
engineers

240 W. Bessemer Street Alcoa, TN 37701
Ph. (865) 980-3500

DATE:

REVISIONS:

Rueters Home
Halls, Tennessee

Elizabeth Eason Architecture
Knoxville, Tennessee

Erosion & Sediment Control Plan - Final

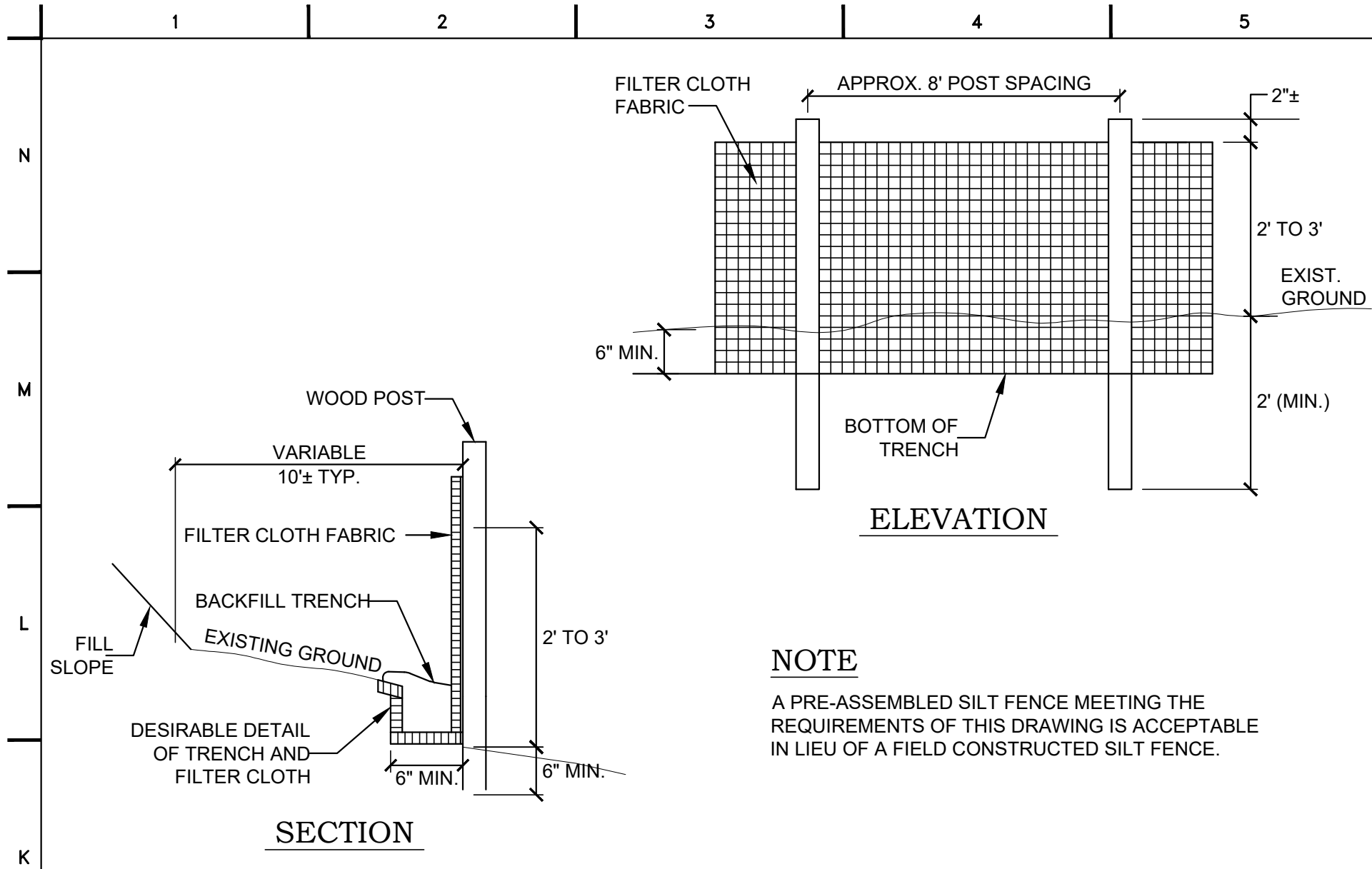


JOB NO: 196.06
DATE: 4.24.23
DRAWN: SLC
CHECKED: JRW

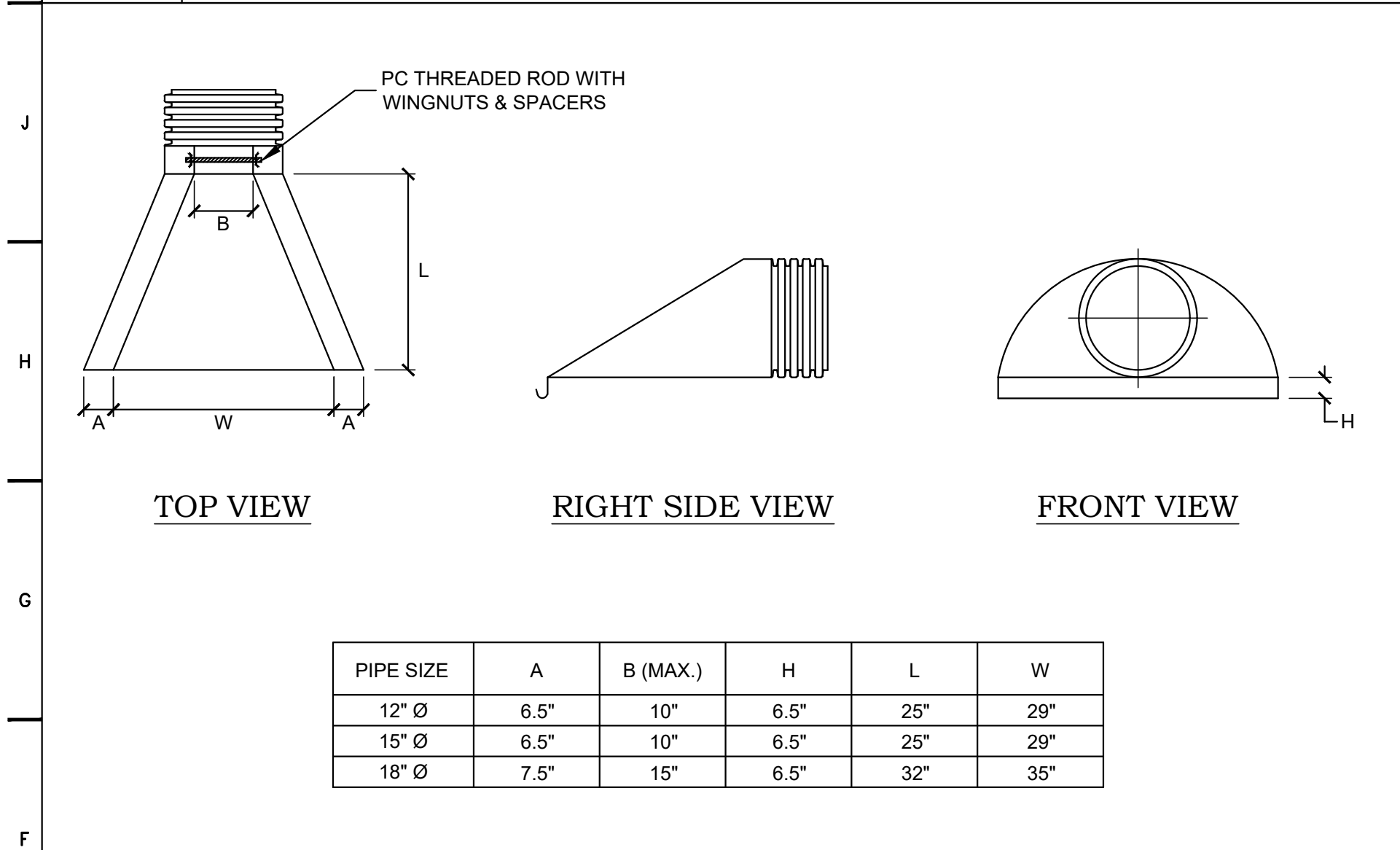
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SHEET NO.

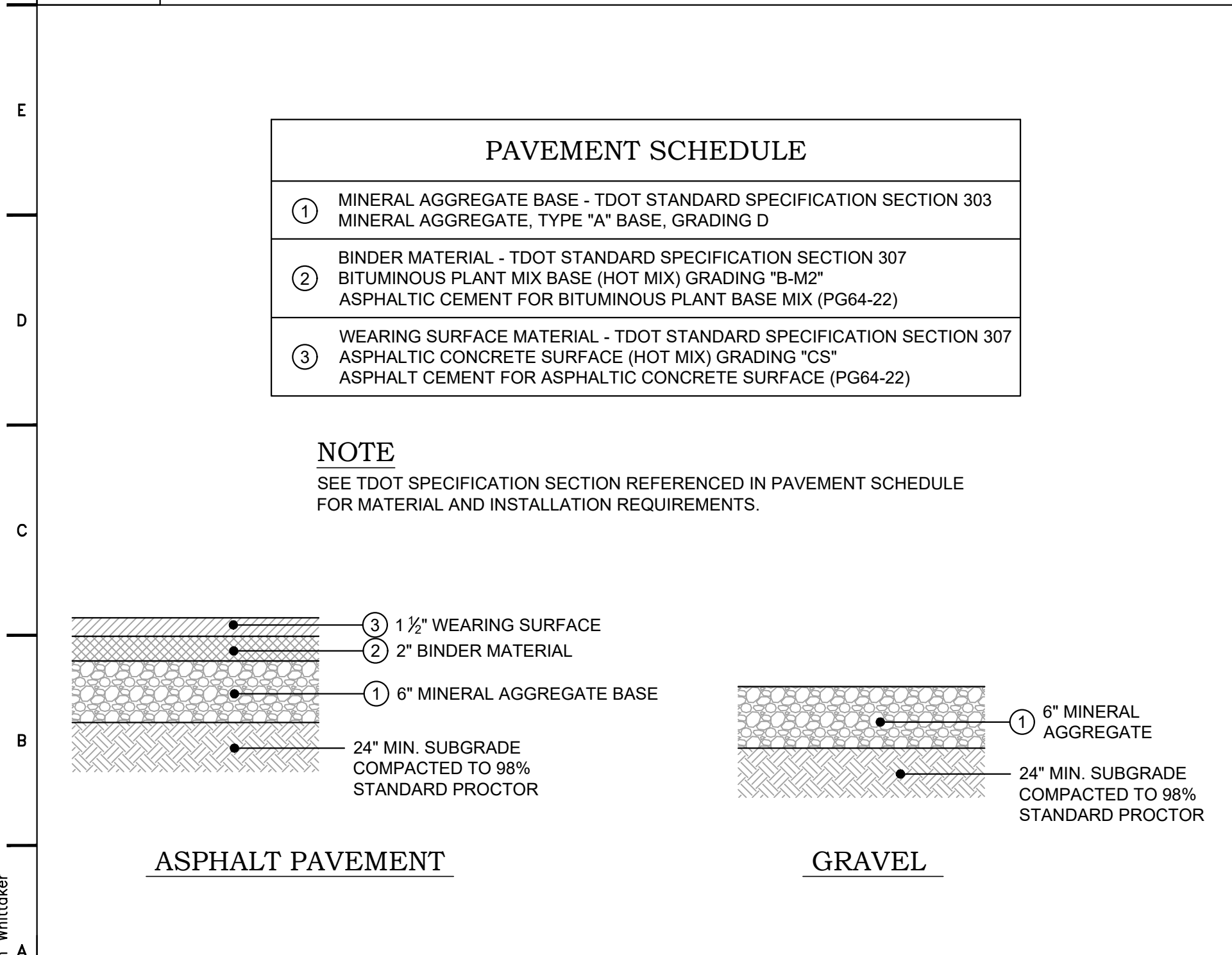
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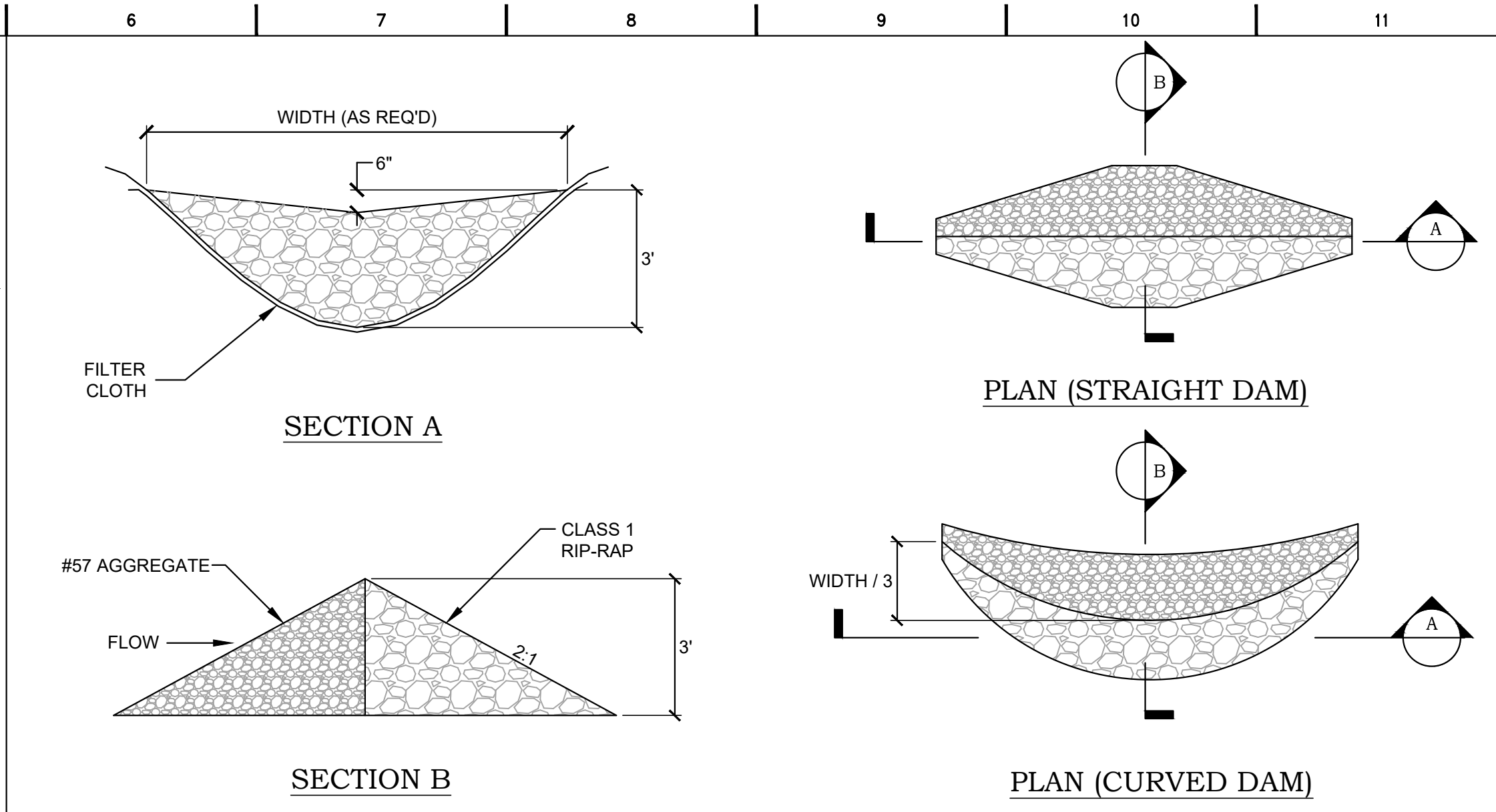
K1 SILT FENCE (TEMPORARY)
NOT TO SCALE



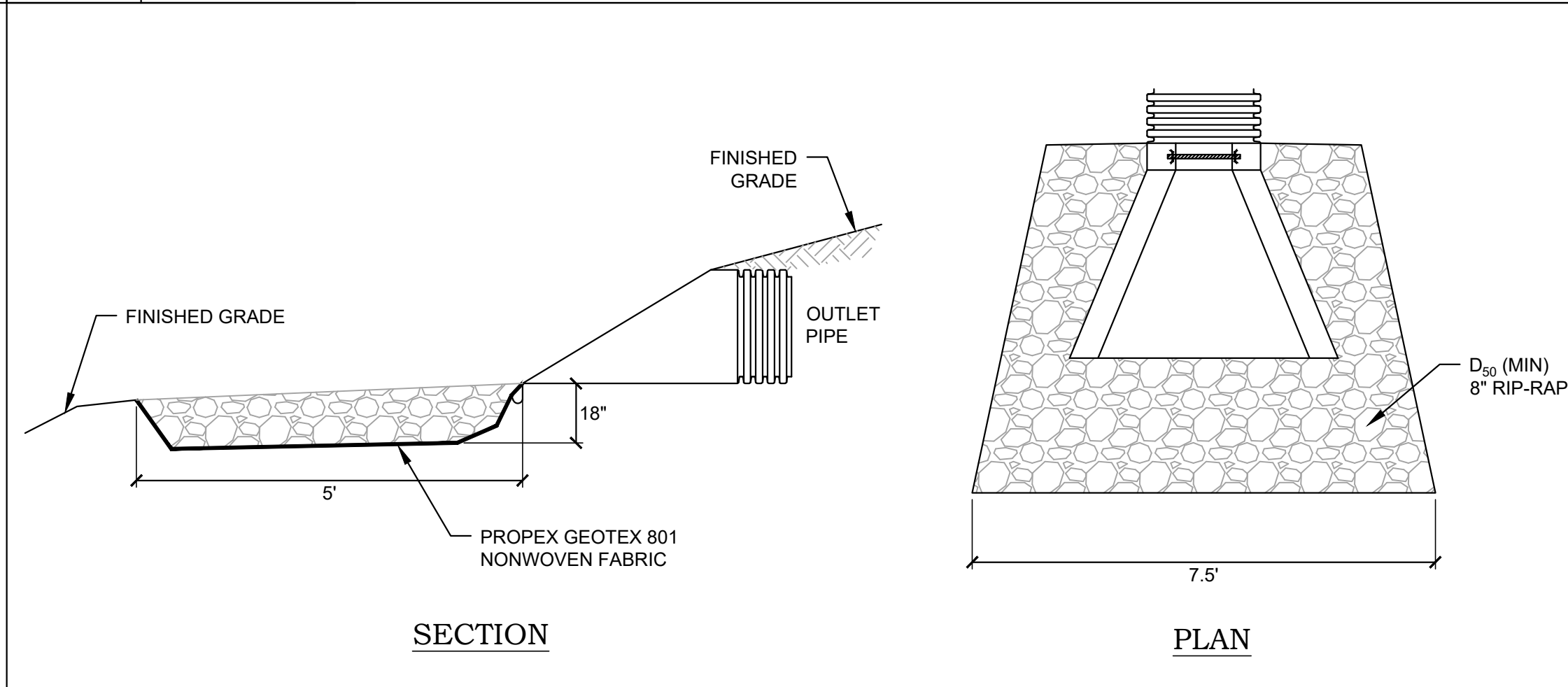
F1 FLARED END SECTION
NOT TO SCALE



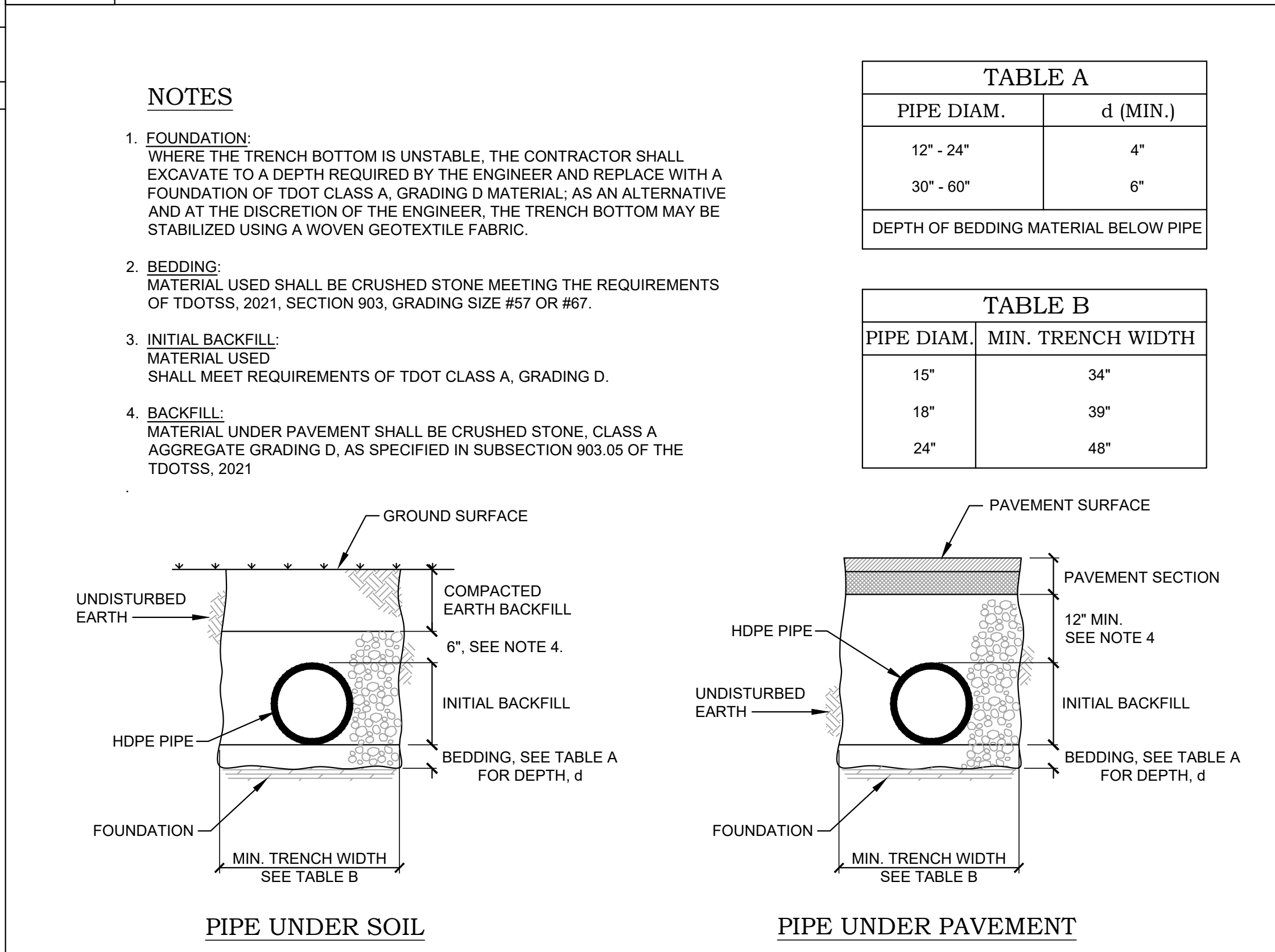
A1 PAVEMENT SECTIONS
NOT TO SCALE



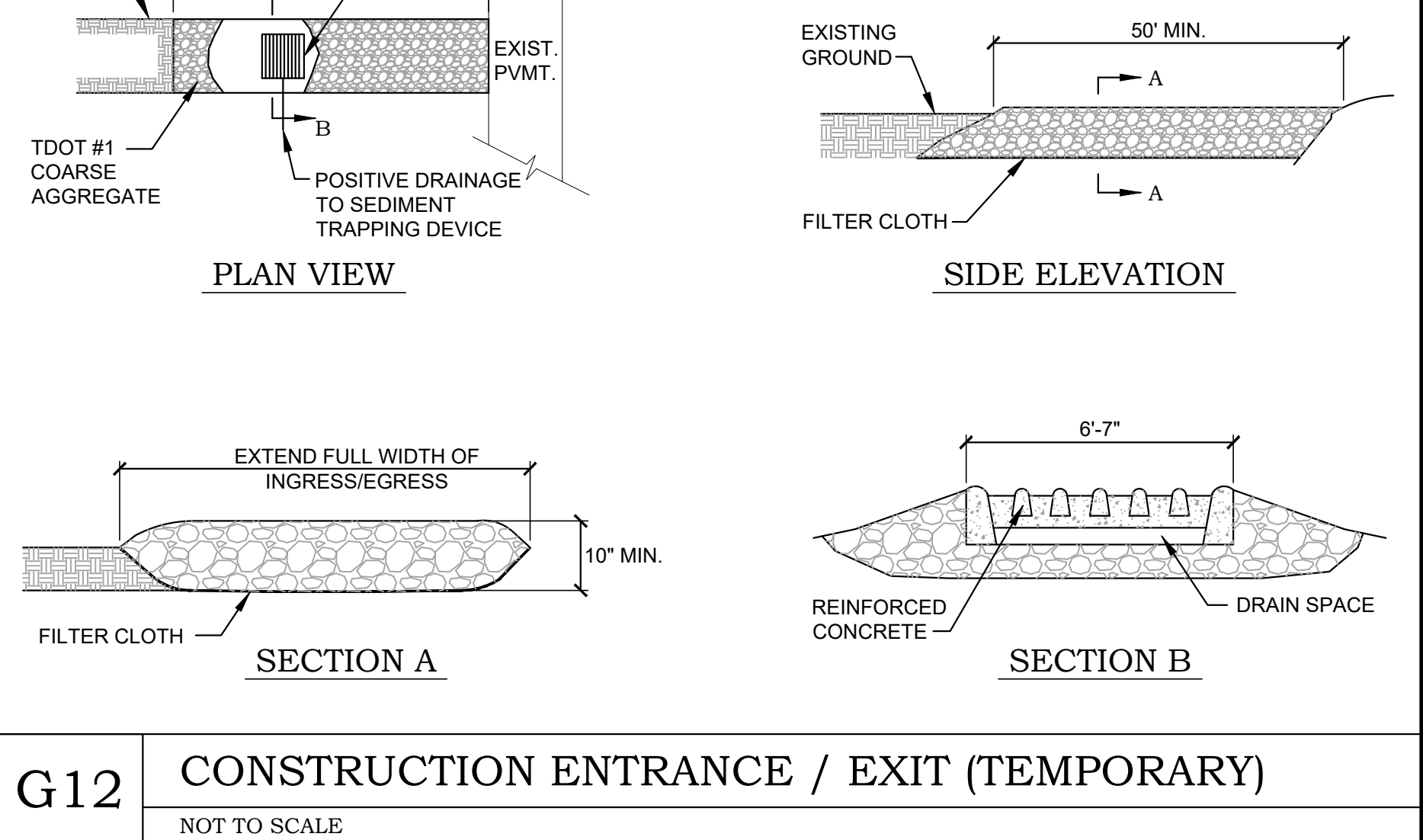
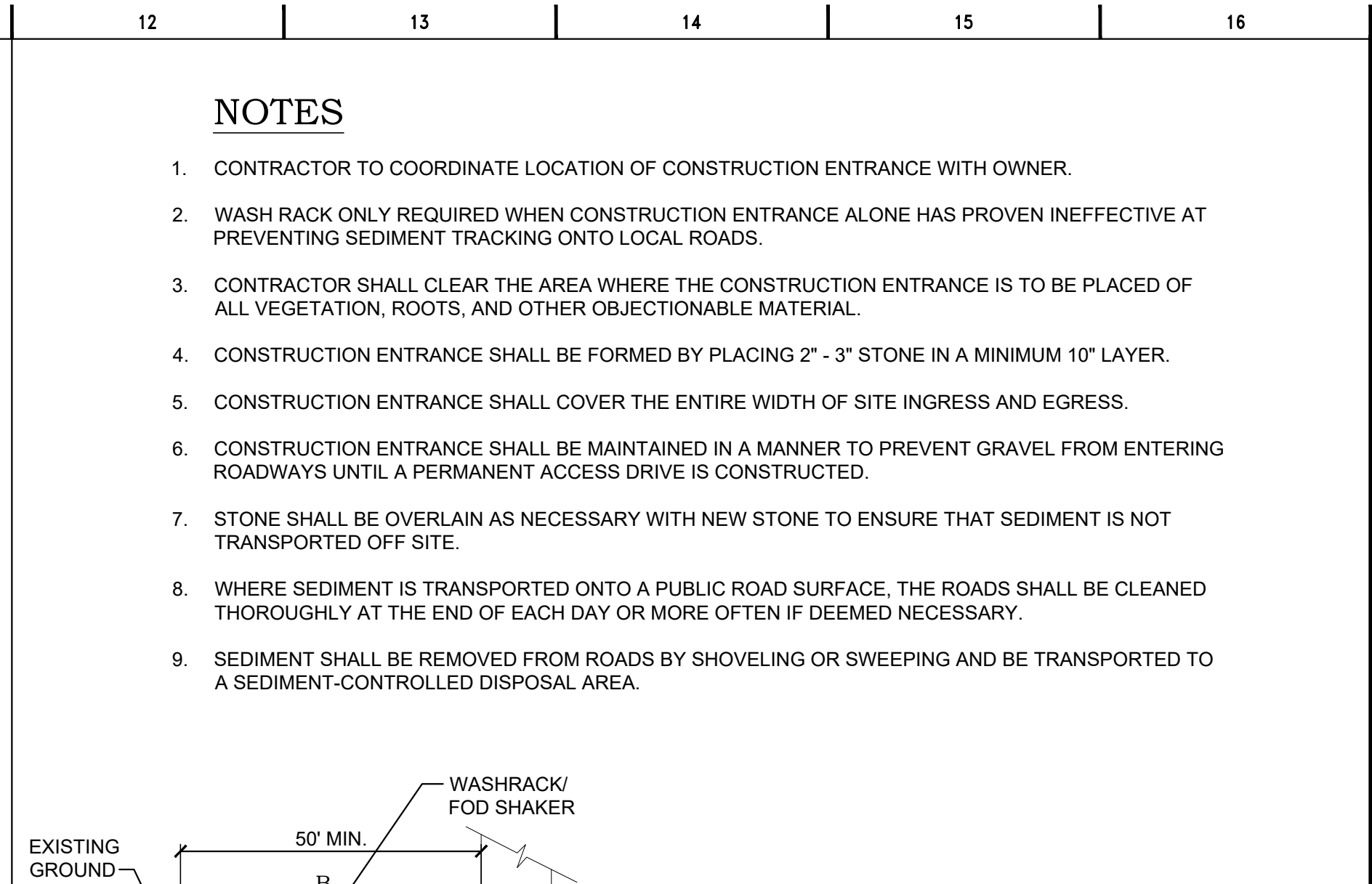
K6 ROCK CHECK DAM (TEMPORARY)
NOT TO SCALE



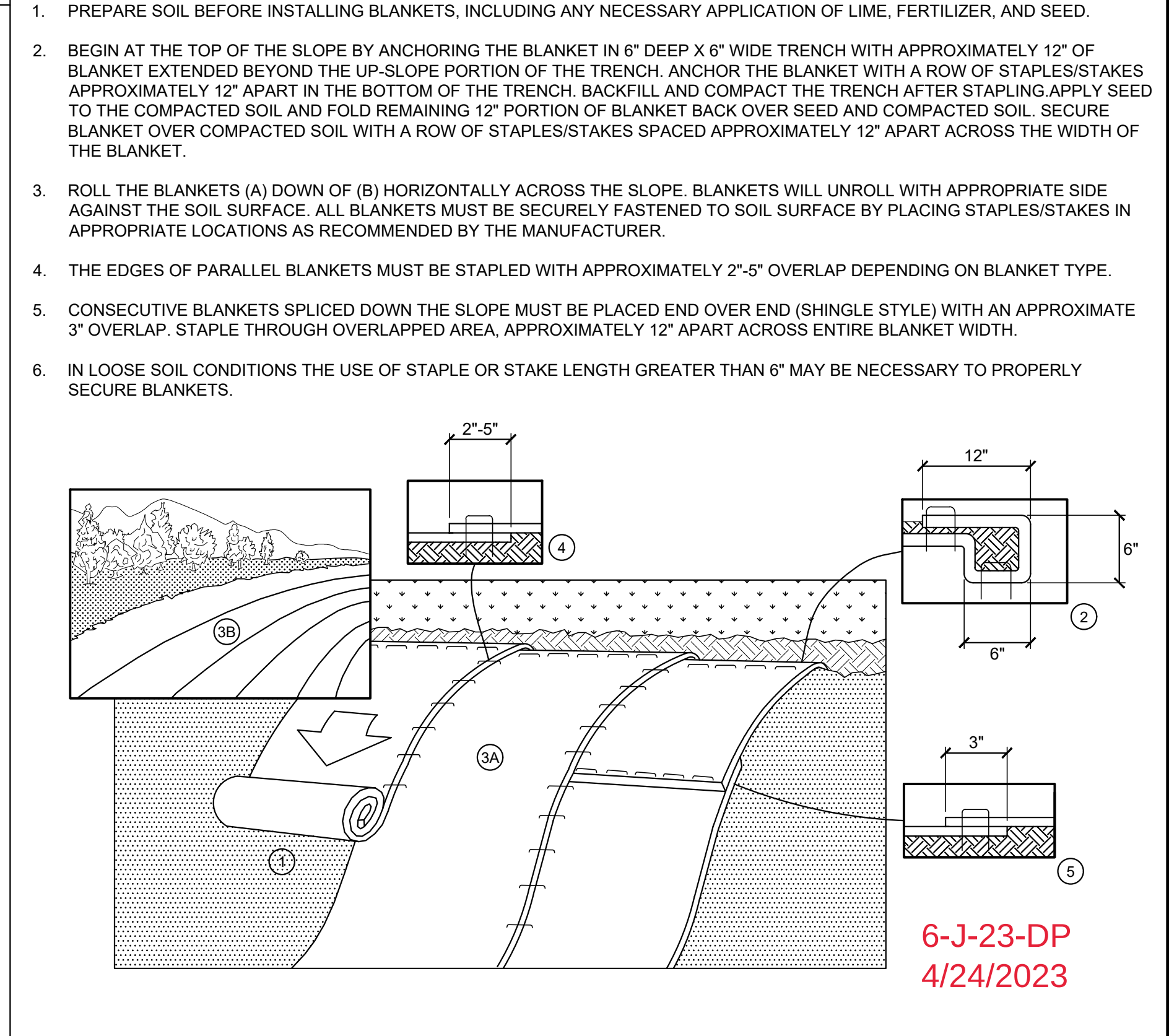
F6 OUTLET PROTECTION - FLARED END
NOT TO SCALE



A6 PIPE BEDDING (HDPE)
NOT TO SCALE



G12 CONSTRUCTION ENTRANCE / EXIT (TEMPORARY)
NOT TO SCALE



A12 EROSION CONTROL BLANKETS (SLOPES)
NOT TO SCALE

C2RL, INC
engineers

240 W. Bessemer Street, Alcoa, TN 37701
Ph. (865) 980-3500

DATE:

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REVISIONS:

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Rueters Home
Halls, Tennessee

Elizabeth Eason Architecture
Knoxville, Tennessee

Details

JERRY R. WHITTAKER JR.
REGISTERED ENGINEER
AGGREGATE
No. 108887
STATE OF TENNESSEE

JOB NO: 196.06
DATE: 4.24.23
DRAWN: TCC
CHECKED: JRW

C2.1
SHEET NO.