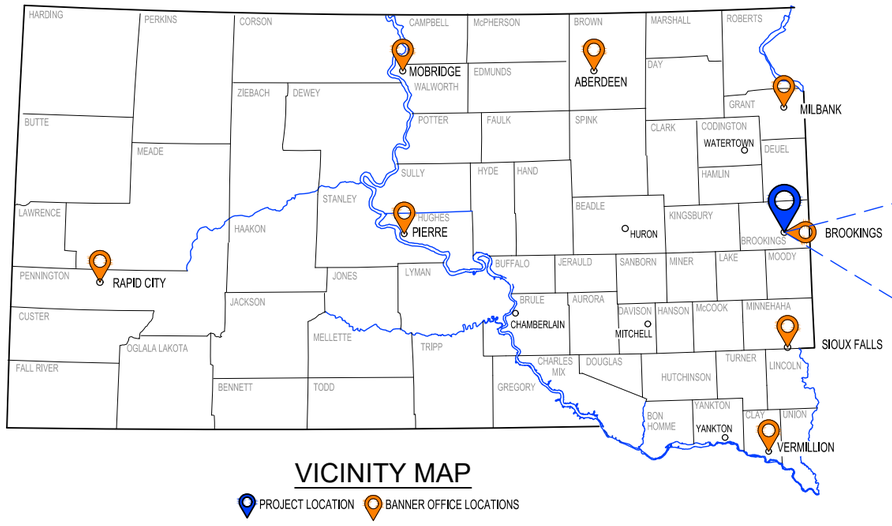
PLANS FOR

BROOKINGS PARKS TRAILS 2026

MAY 2026

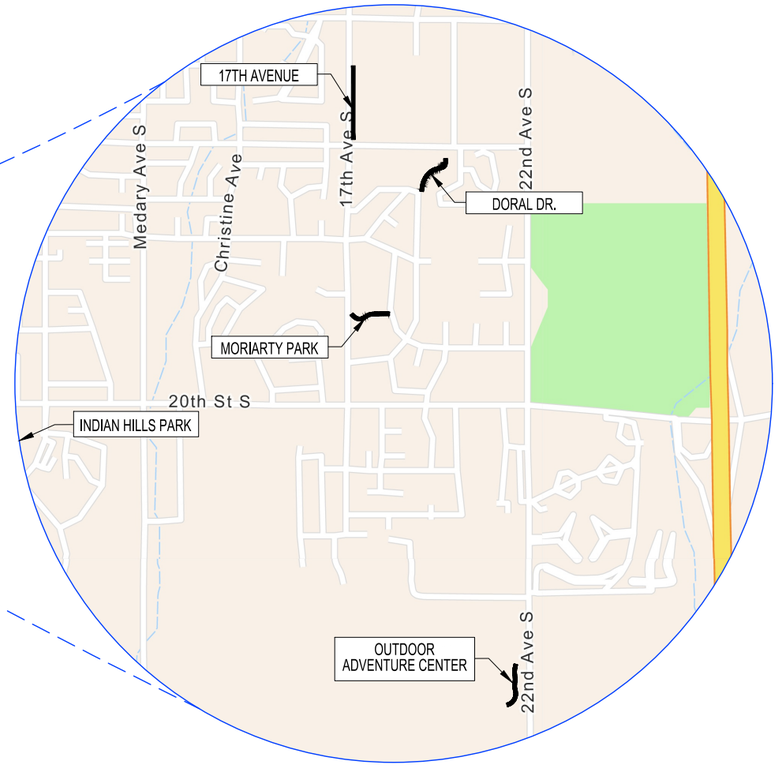
CITY OF BROOKINGS

BROOKIGNS COUNTY, SOUTH DAKOTA



VICINITY MAP

PROJECT LOCATION BANNER OFFICE LOCATIONS



LOCATION MAP

SECTION INDEX

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13209
WAYLON J. BLASIUS
05/07/2026

PRIME PROFESSIONAL IN RESPONSIBLE CHARGE

I, WAYLON J. BLASIUS, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED UNDER THE LAWS OF THE STATE OF SOUTH DAKOTA.

BANNER
engineering a better community

JOB No. 24629.00

LEGEND OF SYMBOLS

EXISTING

- MONUMENT (SET THIS SURVEY 5/8" REBAR WITH STAMPED PLASTIC CAP
- MONUMENT (FOUND)
- W — WATER LINE
- S — SANITARY SEWER LINE
- ST — STORM SEWER LINE
- G — GAS LINE
- P — POWER LINE
- TV — CABLE TV LINE
- T — TELEPHONE LINE
- F — FIBER OPTIC LINE EXISTING
- OP — OVERHEAD POWER LINE
- PROPERTY LINE
- SECTION LINE
- EASEMENT LINE
- EDGE OF ROADWAY
- HIGHWAY CENTER LINE
- BARBWIRE FENCE
- CHAINLINK FENCE
- WOOD FENCE
- WOVENWIRE FENCE
- GUARD RAIL
- 1510 / 1511 — EXISTING CONTOURS
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE WATER
- WATER MANHOLE
- ELECTRIC MANHOLE
- DROP INLET
- AREA INLET
- STREET SIGN
- WATER VALVE
- CURB STOP
- FIRE HYDRANT
- POWER POLE
- POWER POLE W/LIGHT STREET
- LIGHT
- FIBER OPTIC VAULT
- TELEPHONE PEDESTAL
- GV — GAS VALVE
- G — GAS METER
- TRANS — ELECTRICAL TRANSFORMER
- CP — CONTROL POINT
- BM — BENCHMARK
- DECIDUOUS TREE
- CONIFEROUS TREE
- 920 — HOUSE NUMBER (NUMBER VARIES)
- W S ST P OP F TV — UTILITY CROSSING (VARIES) (SHOWN IN PROFILE VIEW)

PROPOSED

- 6" W — WATER LINE (SIZE VARIES)
- 12" S — SANITARY SEWER (SIZE VARIES)
- 12" ST — STORM SEWER (SIZE VARIES)
- 1510 / 1509 — DESIGN CONTOURS
- PERMANENT EASEMENT LINE
- CONSTRUCTION LIMITS
- SANITARY SEWER MANHOLE
- CLEANOUT
- SANITARY COUPLING
- STORM SEWER MANHOLE
- STORM SEWER JUNCTION BOX
- DROP INLET
- AREA INLET
- WATER VALVE
- CURB STOP
- FIRE HYDRANT
- 11.25° BEND
- 22.5° BEND
- 45° BEND
- 90° BEND
- REDUCER
- TEE
- CROSS
- WATER COUPLING

INDEX OF SHEETS

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
INDEX OF SHEETS & LEGEND
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13268
ERIC J. KLASIUS
05/07/2026

JOB No,:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
A-2

X:\Files\24629-00\Design Phase\CADD\Sheet File\A - Title & Legends.dwg,05/2026

HORIZONTAL ALIGNMENT DATA

OUTDOOR ADVENTURE CENTER

Type	Station			Northing	Easting
POB	0+00.00			176730.635	2814685.413
		TL = 18.85	N 73° 20' 19" E		
PC	0+18.85			176736.040	2814703.473
PI	0+99.17	R = 90.00	Delta = 83° 29' 32" L	176759.068	2814780.418
PT	1+50.00			176838.127	2814766.259
		TL = 39.98'	N 10° 09' 13" W		
PC	1+89.98			176877.477	2814759.212
PI	1+97.76	R = 65.00	Delta = 13° 38' 59" R	176885.134	2814757.840
PT	2+05.46			176892.899	2814758.315
		TL = 18.31	N 03° 29' 45" E		
PC	2+23.77			176911.172	2814759.431
PI	2+34.64	R = 150.00	Delta = 08°17'20" L	176922.021	2814760.094
PT	2+45.47			176932.852	2814759.186
		TL = 7.090	N 04° 47' 35" W		
PC	2+52.56			176939.918	2814758.593
PI	2+65.12	R = 200.00	Delta = 07°11'18" L	176952.436	2814757.543
PT	2+77.65			176964.725	2814754.936
		TL = 18.26	N 11° 58' 53" W		
PC	2+95.91			176982.588	2814751.145
PI	3+07.13	R = 150.00	Delta = 08°33'14" R	176993.562	2814748.816
PT	3+18.31			177004.760	2814748.145
		TL = 12.03	N 03° 25' 39" W		
POE	3+30.34			177016.771	2814747.426

DORAL DRIVE

Type	Station			Northing	Easting
POB	20+00.00			183484.297	2813042.218
		TL = 8.794	N 07° 37' 08" W		
PC	20+08.79			183493.013	2813041.052
PI	20+22.71	R = 35.00	Delta = 43° 21' 03" R	183506.801	2813039.207
PT	20+35.28			183518.093	2813047.331
		TL = 43.125	N 35° 43' 55" W		
PC	20+78.40			183553.101	2813072.516
PI	21+05.84	TL = 100.00	Delta = 30° 41' 34" R	183575.379	2813088.543
PI	21+31.97			183586.355	2813113.696
		TL = 10.408	N 66° 25' 29" E		
PC	21+42.38			183590.518	2813123.236
PI	21+57.40	R = 75.00	Delta = 22° 38' 45" R	183596.524	2813137.000
PT	21+72.02			183596.768	2813152.016
		TL = 2.449	N 89° 04' 14" E		
PC	21+74.47			183596.807	2813154.465
PI	22+02.64	R = 30.00	Delta = 86° 24' 12" L	183597.264	2813182.634
PT	22+19.71			183625.407	2813183.945
		TL = 24.870	N 02° 40' 02" E		
PC	22+44.58			183650.251	2813185.103
PI	22+62.27	R = 22.50	Delta = 76° 20' 12" R	183667.917	2813185.926
PT	22+74.56			183671.291	2813203.287
		TL = 7.551	N 79° 00' 14" E		
PC	22+82.11			183672.731	2813210.699
PI	22+97.95	R = 20.00	Delta = 76° 46' 15" L	183675.753	2813226.252
PT	23+08.91			183691.584	2813226.869
		TL = 12.662	N 02° 13' 59" E		
POE	23+21.57			183704.237	2813227.363

MORIARTY PARK

Type	Station			Northing	Easting
POB	10+00.00			181816.144	2812134.519
		TL = 8.495	N 87° 17' 51" E		
PC	10+08.50			181816.545	2812143.005
PI	10+11.80	R = 10.00	Delta = 36° 34' 09" R	181816.701	2812146.305
PT	10+14.88			181814.859	2812149.049
		TL = 45.10'	S 56° 07' 60" E		
PC	10+59.98			181789.725	2812186.499
PI	10+72.92	R = 40.00	Delta = 35° 51' 43" L	181782.512	2812197.247
PT	10+85.02			181782.963	2812210.182
		TL = 14.73	N 88° 00' 17" E		
PC	10+99.75			181783.476	2812224.905
PI	11+17.50	R = 40.00	Delta = 47° 52' 15" L	181784.094	2812242.649
PT	11+33.17			181797.668	2812254.093
		TL = 1.302	N 40° 08' 02" E		
PC	11+34.47			181798.664	2812254.933
PI	11+54.68	R = 35.00	Delta = 60° 00' 00" R	181814.113	2812267.958
PT	11+71.12			181810.558	2812287.850
		TL = 1.162	S 79° 51' 58" E		
PC	11+72.28			181810.354	2812288.994
PI	11+88.04	R = 30.00	Delta = 55° 24' 56" L	181807.581	2812304.504
PT	12+01.30			181818.777	2812315.590
		TL = 8.502	N 44° 43' 06" E		
PC	12+09.80			181824.818	2812321.572
PI	12+25.79	R = 40.00	Delta = 43° 34' 10" R	181836.178	2812332.820
PT	12+40.22			181836.655	2812348.799
		TL = 342.11	N 88° 17' 16" E		
POE	15+82.33			181846.878	2812690.760

17TH AVENUE

Type	Station			Northing	Easting
POB	30+00.00			184123.530	2812064.090
		TL = 231.19	N 02° 13' 24" W		
PI	32+31.19			184354.547	2812055.121
		TL = 19.098	N 02° 14' 55" W		
PI	32+50.29			184373.630	2812054.372
		TL = 83.619	N 02° 06' 13" W		
PI	33+33.91			184457.192	2812051.302
		TL = 282.40	N 02° 10' 14" W		
PI	36+16.31			184739.389	2812040.606
		TL = 13.648	N 02° 09' 34" W		
PI	36+29.96			184753.028	2812040.092
		TL = 24.799	N 02° 16' 38" W		
PI	36+54.76			184777.810	2812039.185
		TL = 16.244	N 02° 16' 38" W		
PI	36+71.00			184794.041	2812038.540
		TL = 349.13	N 02° 11' 51" W		
POE	40+20.13			185142.916	2812025.153

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026 DETAILS
HORIZONTAL ALIGN
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13288
WILLIAM J. BLASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
A-3

X:\Files\24629-00\Design Phase\CADD\Sheet File\A - Title & Legends.dwg;05/2026

CONTROL DATA

HORIZONTAL AND VERTICAL CONTROL POINTS						
POINT	**STATION**	**OFFSET**	**DESCRIPTION**	**NORTHING**	**EASTING**	**ELEVATION**
CP 900	NOT ON PROJECTS		5/8" x 18" Rebar w/ Cap	184056.219	2813380.097	1640.55
CP 902	NOT ON PROJECTS		5/8" x 18" Rebar w/ Cap	184070.208	2812374.000	1633.87
OUTDOOR ADVENTURE CENTER						
POINT	**STATION**	**OFFSET**	**DESCRIPTION**	**NORTHING**	**EASTING**	**ELEVATION**
CP 500	NO STATIONING		5/8" x 18" Rebar w/ Cap	177166.140	2814740.408	1603.72
17TH AVENUE						
POINT	**STATION**	**OFFSET**	**DESCRIPTION**	**NORTHING**	**EASTING**	**ELEVATION**
CP 300	32+78.69	6.90' L	5/8" x 18" Rebar w/ Cap	184401.754	2812046.433	1640.30
CP 310	39+87.87	6.96' L	5/8" x 18" Rebar w/ Cap	185105.415	2812019.632	1647.77

The coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System. South Dakota North 4001, NAD 83(2011); Epoch 2010; SF = 1.0

The elevations shown on this sheet are based on NAVD 88 (GEOID 18)

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
CONTROL DATA
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13789
WILLIAM J. BLASIUS
05/07/2026

JOB No,:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

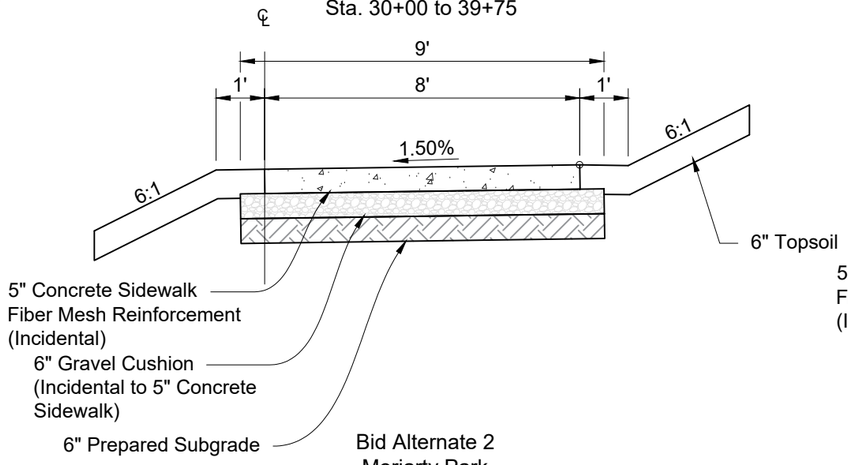
SHEET No. :
A-4

X:\Files\24629-00\Design Phase\CADD\Sheet File\A - Title & Legends.dwg;05/2026

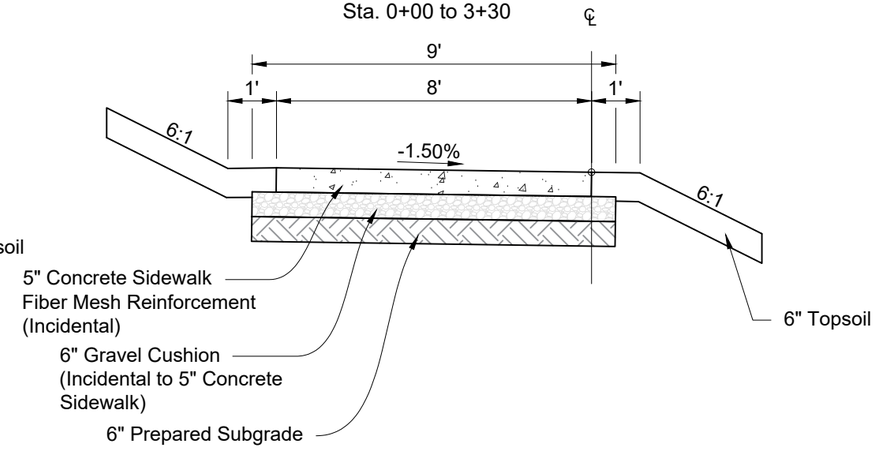
TYPICAL SECTIONS

Note: Transition from Existing Section to Typical Section and Typical Section to Existing Section 20' from Start/End of Project

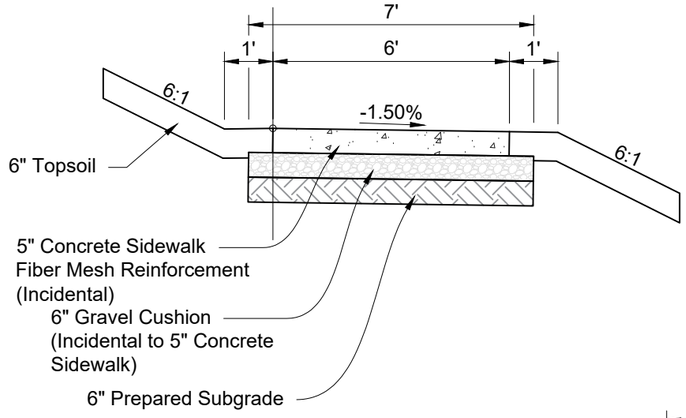
Base Bid
17th Avenue
Sta. 30+00 to 39+75



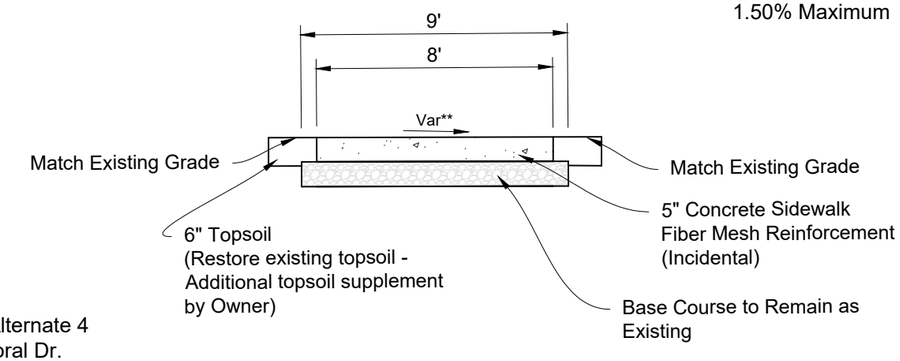
Bid Alternate 1
Outdoor Adventure Center
Sta. 0+00 to 3+30



Bid Alternate 2
Moriarty Park
Sta 10+00 to 15+77

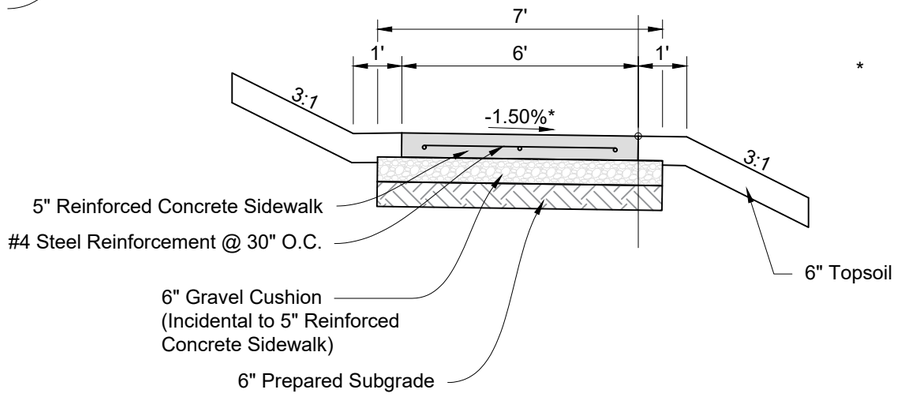


Bid Alternate 3
Indian Hills Park



** Match Existing Cross Slope 1.50% Maximum

Bid Alternate 4
Doral Dr.
Sta 20+00 to 23+17 ℄



* Transitions:
21+70 to 21+90 -1.50% to 1.50%
21+90 to 23+17 1.50%

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
TYPICAL TRAIL SECTIONS
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13799
WILLIAM J. BLASIUS
05/07/2026

JOB No,.	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
C-1

X:\Files\24629-00\Design Phase\CADD\Sheet File\C - Typical Sections.dwg,05/2026

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QTY	UNIT
Base Bid – 17TH Avenue			
009E0010	Mobilization	1	Lump Sum
110E1010	Remove Asphalt Concrete Pavement	25	SqYd
110E1140	Remove Concrete Sidewalk	519	SqYd
120E0010	Unclassified Excavation	261	CuYd
230E0010	Placing Topsoil	56	CuYd
634E0120	Traffic Control, Miscellaneous	1	Lump Sum
651E0150	5” Fiber Reinforced Concrete Sidewalk	7364	SqFt
651E7000	Type 1 Detectable Warnings	20	SqFt
734E0010	Erosion Control	1	Lump Sum
734E0847	Sediment Control at Type S Drop Inlet	6	Ft
Bid Alternate 1 – Outdoor Adventure Center			
009E0010	Mobilization	1	Lump Sum
120E0010	Unclassified Excavation	92	CuYd
120E0600	Contractor Furnished Borrow	50	CuYd
230E0010	Placing Topsoil	32	CuYd
634E0120	Traffic Control, Miscellaneous	1	Lump Sum
651E0150	5" Fiber Reinforced Concrete Sidewalk	2609	SqFt
734E0010	Erosion Control	1	Lump Sum
734E0154	12" Diameter Erosion Control Wattle	108	Ft
Bid Alternate 2 – Moriarty Park			
009E0010	Mobilization	1	Lump Sum
120E0010	Unclassified Excavation	130	CuYd
230E0010	Placing Topsoil	31	CuYd
634E0120	Traffic Control, Miscellaneous	1	Lump Sum
651E0150	5" Fiber Reinforced Concrete Sidewalk	3482	SqFt
734E0010	Erosion Control	1	Lump Sum
Bid Alternate 3 – Indian Hills Park			
009E0010	Mobilization	1	Lump Sum
110E1140	Remove Concrete Sidewalk	294	SqYd
634E0120	Traffic Control, Miscellaneous	1	Lump Sum
651E0150	5” Fiber Reinforced Concrete Sidewalk	2644	SqFt
Bid Alternate 4 – Doral Drive			
009E0010	Mobilization	1	Lump Sum
120E0010	Unclassified Excavation	141	CuYd
120E0600	Contractor Furnished Borrow	50	CuYd
230E0010	Placing Topsoil	66	CuYd
634E0120	Traffic Control, Miscellaneous	1	Lump Sum
651E0150	5" Bar Reinforced Concrete Sidewalk	2029	SqFt
680E0060	6” Underdrain Pipe	46	Ft
734E0010	Erosion Control	1	Lump Sum
734E0154	12” Diameter Erosion Control Wattle	48	Ft
734E0604	High Flow Silt Fence	232	Ft
734E0132	Type 2 Erosion Control Blanket	247	SqYd

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 10-1-25 Version; and Required Provisions, Supplemental Specifications, and Conditions as included in the Project Manual.

If conflicting specifications are presented in the Construction Plans and the Standard Specifications, the notes or details in the Construction Plans shall take precedence over the Standard Specifications.

SEQUENCE OF OPERATIONS

1. Install temporary traffic control signing.
2. Install sediment control.
3. Complete grading and subgrade preparation for sidewalk.
4. Install gravel cushion and 5” concrete sidewalk.
5. Complete erosion control/seeding.
6. Complete remaining project items.
7. Remove temporary traffic control signing.

Any changes to the Sequence of Operations require approval from the Engineer and the Owner.

PROJECT CONTACTS

OWNER
City of Brookings
Point of Contact: Joshua Bauman
Phone Number: 605-691-4353

ENGINEER
Banner Associates, Inc.
Point of Contact: Waylon Blasius
Phone Number: 605-696-2277

COMPLETION TIMELINES

Base Bid – 17th Avenue:
Substantial Completion: July 31st, 2026
Final Completion: August 7th, 2026

Bid Alternates 1 – 4:
Substantial Completion: October 9th, 2026
Final Completion: October 23rd, 2026

CONSTRUCTION LIMITS

The construction limits shall be within the right-of-way and within the limits shown on the construction plans. Material storage and vehicle and equipment traffic shall be limited to the construction limits. No construction vehicles or material storage will be allowed outside of right-of-way or limits shown on the construction plans. All paved streets adjacent to the project are to be cleaned at the end of each working day.

Property lines shown on the plans are approximate and are based on the best available information from the Owner.

It shall be the responsibility of the Contractor to coordinate with the property owners relating to access to their property and any subsequent damages. Restoration of routes used for site access and construction may include, but is not limited to, repairing ruts or grass areas that have been disturbed. This may include tilling and reseeding areas, as determined by the Engineer, at no additional cost to the private landowner or project Owner.

Storage of vehicles and equipment shall be outside the clear zone and as near the right-of-way as possible. Contractor’s employees should mobilize at a location off the right-of-way and arrive at the work sites in a minimum number of vehicles necessary to perform the work.

GRADE STAKES, BENCHMARKS AND MONUMENTS

All stakes, stones, and monuments now in place and marking lines and corners of boundaries which are likely to be affected by the work herein provided for shall be carefully preserved by the Contractor. In no case shall any excavation be made within five feet (5') of any such stake, stone or monument until they have been properly reset, witnessed, or otherwise cared for by the Engineer and permission is given to proceed with the work.

All lines, grade stakes, and benchmarks set by the Engineer in connection with the work herein provided for shall be carefully preserved by the Contractor and shall not be disturbed nor moved from the exact position and elevation as set by the Engineer. No excavated material shall be thrown over or against said stakes and, except where necessary to remove the stakes as the work progresses, all stakes shall be carefully preserved in the original position and elevation until the work has passed final inspection and been accepted.

Stakes, which must be removed as the work progresses shall be so removed only upon the order of the Engineer.

All stakes, stones, monuments, and benchmarks disturbed or removed through carelessness or without proper authority will be reset at the expense of the Contractor.

CONSTRUCTION SCHEDULE

The Contractor shall prepare a construction schedule for approval to the Engineer and Owner that will ensure the completion of the project within the time frame specified. This schedule must be provided to the Engineer for review a minimum of 3 days prior to the preconstruction meeting. The notice to proceed will not be issued until the schedule has been approved by the Owner.

The construction schedule shall be in bar or network diagram form and show the start and completion dates for significant items of work in their respective phases. Significant items of work include, but are not limited to, erosion control, clearing, concrete sidewalk work and seeding.

When applicable the schedule shall include submission dates for shop drawings, manufacturing and installation of materials, supplies, equipment, and testing for various parts of the work.

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BROOKINGS PARKS TRAILS 2026
GENERAL NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

PROJECT / SHEET TITLE :

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13389
WAYLON J. BLASIUS
05/07/2026

JOB NO :	24629.00
DATE :	May 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

SCALE REDUCTION BAR

SHEET No. :
D-1

PRECONSTRUCTION AND PROGRESS MEETINGS

The Contractor shall participate in a preconstruction meeting with the subcontractors, the Engineer, the Owner, and utility companies prior to commencing work on site.

The Contractor shall also participate in progress meetings with the subcontractors, the Engineer, and the Owner. These meetings shall be held as needed at a location on or near the project. The time and location and shall be approved by the Owner, Contractor, and Engineer. Landowners and the general public impacted by the project shall be allowed to attend the meetings. All costs to conduct the progress meetings shall be incidental to the project.

CONSTRUCTION STAKING

All construction staking required for the project shall be completed by the Engineer as requested by the Contractor. The Contractor shall provide the request in writing a minimum of 72 hours prior to desired placement of the stakes. Staking requests will be completed as soon as able from Monday – Friday. Staking will not occur on Saturday or Sunday and those days will not be considered part of the 72 hour notice.

Any re-staking due to carelessness of the Contractor shall be paid for by the Contractor and not the Owner.

DRAINAGE

Drainage is the Contractor's responsibility. Contractor will be aware of existing drainage conditions and facilities and will provide for drainage during all phases of construction. Damage caused by improper temporary drainage facilities will be repaired at the Contractor's expense and to the satisfaction of the Engineer.

SUBMITTALS

The following documents shall be submitted by the Contractor:

- Construction schedule
- Concrete mix formula
- Concrete cure
- Concrete Reinforcement
- Materials certifications
- Shop drawings
  - Gravel Cushion Gradation
  - Detectable Warning Certification
  - Plastic Underdrain Pipe & Connection
  - Seed Mixture
  - Inlet Sediment Control
  - HFSF

UTILITIES

The Contractor shall be aware that the existing utilities have not been surveyed prior to the design of this project and might require adjustment. The Contractor will contact the involved utility companies through South Dakota One Call (1-800-781-7474) prior to starting work. It will be the responsibility of the Contractor to coordinate work with the utility owners to avoid damage to existing facilities.

Anytime existing utilities impede the progress of work, the Contractor shall immediately notify the Engineer. The Contractor shall cooperate with and coordinate his efforts to work with the utility companies and their contractors. Each bidder shall be responsible, prior to bid letting, for determining the effects of utility work on the project work scope and schedule and shall account for all effects in his bid. No consideration will be given to the Contractor after the bid letting on account of utility work done by others.

TABLE OF ASPHALT CONCRETE PAVEMENT REMOVAL

Station	to	Station	L/R	Quantity (SqYd)
Base Bid (17th Ave)				
39+54		39+75	R	24.6
			Base Bid Total:	**24.6**

TABLE OF SIDEWALK REMOVAL

Station	to	Station	L/R	Quantity (SqYd)
Base Bid (17th Ave)				
30+00		32+29	R	124.4
32+46		36+16	R	227.4
36+71		39+75	R	166.7
			Base Bid Total:	**518.5**
Bid Alternate 3 (Indian Hills Park)				
No Stationing (Refer to Plan Sheets for limits)				293.7
			Bid Alternate 3 Total:	**293.7**

UNCLASSIFIED EXCAVATION

The unclassified excavation quantity includes all topsoil salvage and stockpiling, subgrade, and gravel excavation. No field measurements will be made for payments except when changes from the plan shown construction limits are ordered by the Engineer.

The excess soil resulting from earthwork activities, if any, shall become the property of the Contractor who shall be responsible for its removal from the site.

GRADING OPERATIONS

Shrinkage factor: Embankment plus 35%.

Compaction of trail embankment will be governed by the Specified Density Method. Backfill shall be compacted to 97% or greater of the maximum dry density in horizontal layers not to exceed 6" loose depth.

Water for Embankment and Backfill is estimated at the rate of 10 gallons of water per cubic yard of Embankment. No separate payment will be made for the Water and all costs associated will be incidental to the contract unit price per cubic yard for "Unclassified Excavation".

PREPARATION OF SUBGRADE

The existing subgrade shall be prepared after topsoil salvage operations have been completed. On newly constructed earth subgrades, the upper 6" of the subgrade shall be scarified and recompacted to the specified density required prior to placing granular materials. All costs associated with preparation of subgrade shall be incidental to the contract unit price per SqFt for "5" Fiber Reinforced Concrete Sidewalk" or "5" Bar Reinforced Concrete Sidewalk."

CONCRETE SIDEWALK

Sidewalk shall meet the requirements of Section 651 of the Standard Specifications except for a longitudinal joint along the sidewalk centerline will not be required.

Transverse joints will be sawed in accordance with Section 380.3 P. Expansion joints will be installed every 75' along all sidewalk or trail sections and filler material shall be preformed buffalo board or Engineer approved equal product. The Engineer may adjust the joint spacing in the field if determined necessary.

Concrete Apron at Doral Drive will conform to Section 151 of the Standard Specifications and will be paid for at the contract unit price per square foot for "5" Bar Reinforced Concrete Sidewalk."

FIBER MESH REINFORCEMENT

Fiber mesh reinforcement will be utilized in the concrete sidewalk segments noted in the typical sections. The fiber mesh shall be added at a rate of 1 bag per cubic yard or otherwise recommended by the manufacturer. The fiber shall be added directly to the truck at the time of mixing. The synthetic fiber reinforcement shall have the following specifications:

- 100% virgin polypropylene multifilament fibers, containing no reprocessed olefin materials
- Conform to AST C 1116
- Fiber Length: Graded or Single-cut lengths allowed
- Alkali Resistance: Alkali-proof
- Absorption: Nil.
- Specific Gravity: 0.91
- Melt Point: 324 degrees F (162 degrees C)

All costs for furnishing and incorporating the fiber mesh reinforcement into the concrete mix will be incidental to the contract unit price per square foot for "5" Fiber Reinforced Concrete Sidewalk".

STEEL OR FIBERGLASS BAR REINFORCEMENT

Reinforcing bars will be #4 size with 30" on-center spacing in both the longitudinal and transverse directions. There will be a minimum 3" clear space from the bar to edge of the concrete. Bars will be placed on chairs and will be tied at all intersecting bar joints.

Steel bars shall conform to Section 1010 of the Standard Specifications.

Fiberglass bars shall comply with ASTM D7957. Additionally, Fiberglass bars shall have the following specifications:

- Tensile Strength: >1,000MPa
- Material Content: >70% glass fiber content by weight
- Modulus of Elasticity: >40GPA

All costs for furnishing and installing the bar reinforcement and all appurtenances will be incidental to the contract unit price per square foot for "5" Bar Reinforced Concrete Sidewalk".

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BROOKINGS PARKS TRAILS 2026
GENERAL NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

PROJECT / SHEET TITLE :

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13589
ELASIUS
05/07/2026

JOB NO :	24629.00
DATE :	May 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

SCALE REDUCTION BAR

SHEET No. :
D-2

TABLE OF CONCRETE SIDEWALK

Station	to	Station	L/R	Quantity (SqFt)
Base Bid (17th Ave)				
30+00		32+29		1750.4
32+46		36+16		3018.8
36+71		39+75		2595.1
			Base Bid Total:	**7364.3**
Bid Alternate 1 (Outdoor Adventure Center)				
0+00		3+30		2609.4
			Bid Alternate 1 Total:	**2609.4**
Bid Alternate 2 (Moriarty Park)				
10+00		15+77		3482.4
			Bid Alternate 2 Total:	**3482.4**
Bid Alternate 3 (Indian Hills Park)				
No Stationing (Refer to Plan Sheets for limits)				2644.0
			Bid Alternate 3 Total:	**2644.0**
Bid Alternate 4 (Doral Drive)				
20+00		23+17		1923.6
Concrete Apron				105.0
			Bid Alternate 4 Total:	**2028.6**

GENERAL MAINTENANCE OF TRAFFIC

Requests to deviate from the sequence of operations shall be submitted in writing to the Engineer for review. Approval of an alternate sequence of operations will only be allowed when the proposed changes meet the intent for traffic control and sequencing of the work. An alternate sequence shall be submitted for review a minimum of one week prior to potential implementation.

Traffic shall be maintained in accordance with Section 634 of the SDDOT Specifications. Traffic control shall be installed in accordance with the Federal Manual on Uniform Traffic Control Devices (MUTCD) and standard plates located herein.

Removing, relocating, covering, salvaging, and resetting of existing traffic control devices, including delineation, will be the responsibility of the Contractor. The Contractor will coordinate with the City to determine which signs will be reset and to verify reset locations. Cost of this work will be incidental to the contract unit prices for various items unless otherwise specified in the plans. Any signs damaged or lost will be replaced by the Contractor at no cost to the City.

TRAFFIC CONTROL, MISCELLANEOUS

All traffic control items shown in the plans shall be paid for under the contract lump sum price for “Traffic Control, Miscellaneous”. Payment shall be full compensation for furnishing, installing, maintaining, moving, resetting, and removing all traffic control signs. Signs shall be in accordance with the current edition of the MUTCD.

Contractor may not be able to access sites with heavy equipment or concrete trucks and should plan to provide as much work from the adjacent roadways as possible. The Contractor will be required to utilize traffic control consistent with the Standard Plates included in the plans for “Work on Shoulders.” The Owner reserves the right to stop work should the Contractor not have the proper traffic control in place.

In the event that the shoulder closure is rolling, the traffic control shall be moved to keep up with the rolling operation. Channelization devices will be required even for short term use of the shoulder.

PEDESTRIAN TRAFFIC CONTROL

The Contractor shall adhere to the requirements of the Americans with Disabilities Act (ADA) during construction. Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG), and should not be used as a control for pedestrian movements.

The Contractor shall adequately sign and barricade the trail for pedestrian traffic. The Contractor must not leave un-barricaded holes open either overnight or over the weekend.

All costs associated with signing and barricading the trail for pedestrian traffic shall be considered incidental to the Contract Lump Sum price for “Traffic Control, Miscellaneous.”

SOIL BORINGS

Soil borings were not completed for this project. The Contractor may take soil borings for their information upon approval from the Engineer.

WATER FOR GRANULAR MATERIAL

All costs associated with watering the gravel cushion during on-site construction activities shall be incidental to the contract unit price bid per SqFt for “5” Concrete Sidewalk” or “5” Reinforced Concrete Sidewalk.”

SAWING EXISTING SURFACING

Where new concrete sidewalk is placed adjacent to existing asphalt concrete or concrete, the existing concrete shall be sawed full depth to a true line with a vertical face. Sawing existing surfacing will be incidental to the contract unit price of the proposed adjacent sidewalk.

PLACING TOPSOIL

Existing vegetation will be salvaged, incorporated, and placed with the topsoil as far as practical. 6” of topsoil will be salvaged in all areas within the construction limits.

The areas to receive topsoil comprise of all newly graded areas, within the project limits, exclusive of top of sidewalk.

The plans quantity for “Placing Topsoil” as shown in the Estimate of Quantities will be the basis for payment for this item unless the Engineer orders a change. Salvage and stockpiling of the topsoil will be incidental to the contract unit price per cubic yard for “Unclassified Excavation”.

The amount of topsoil shown in the Estimate of Quantities is based on a 6” depth.

EROSION CONTROL

All areas of soil disturbed by construction will require erosion control and seeding. Any additional areas disturbed due to trucks hauling construction materials or concrete shall be restored to preconstruction conditions, at a minimum. For informational purposes only, the estimated area requiring erosion control is **0.25 acres for Base Bid, 0.05 acres for Bid Alternate 1, 0.13 acres for Bid Alternate 2, and 0.21 acres for Bid Alternate 4**. All costs for the erosion control work for furnishing, placing, and maintaining erosion control including equipment, labor, seeding, fertilizing, and mulching will be incidental to the contract lump sum price for “Erosion Control”.

Type D Permanent Seed Mixture will be used and will consist of the following:

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/1000 SqFt)
Kentucky Bluegrass	Avalanche, Appalachian, Wildhorse, Blue Bonnet, Action	1.4
Perennial Ryegrass	Turf Type Varieties	1.4
Creeping Red Fescue	Epic, Boreal, Chantilly	1.4
Chewings Fescue	Ambrose, K2, Zodiac, Shadow III	1.4
Alkali Grass	Fults, Fults II, Quill, Salty	1.4
	Total:	7

Seeding will be installed by drilling in accordance with Section 730.

Fiber mulch will be applied in a separate operation following permanent seeding.

An additional 2% by weight of tackifier will be added to the fiber mulch product selected from the product list. If the product selected has guar gum tackifier included, then the additional 2% of tackifier will be guar gum. If the product selected has synthetic tackifier included, then the additional 2% of tackifier will be synthetic.

Fiber mulch will be applied at the rate of 3,000 pounds per acre. In disturbed areas outside of the planting season, those areas shall be fiber mulched

The Contractor will allow the fiber mulch to cure a minimum of 18 hours prior to watering or any storm event to ensure proper cohesion between the soil and fiber particles.

The fiber mulch provided will be from the approved product list. The approved product list for fiber mulch may be viewed at the following internet site:

https://apps.sd.gov/HC60ApprovedProducts/main.aspx

The Contractor will apply an all-natural slow release fertilizer prior to seeding or placing sod. The all-natural fertilizer will have a minimum guaranteed analysis of 4-4-4 and be USDA Certified BioBased. It should provide a minimum of 4% (N) nitrogen with a minimum water insoluble nitrogen (WIN) fraction of 2.07%, a minimum of 4% (P2O5) available

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BROOKINGS PARKS TRAILS 2026
GENERAL NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV	DATE	DESCRIPTION

PROJECT / SHEET TITLE :

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13288
BLASIUS
06/07/2026

JOB NO :	24629.00
DATE :	May 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

SCALE REDUCTION BAR

SHEET No. :
D-3

phosphate, a minimum of 4% (K2O) soluble potash, and a maximum carbon to nitrogen ratio (C:N ratio) of 5:1. The all-natural fertilizer will be free of weed-seed and pathogens accomplished through thermophilic composting, and not mechanical or chemical sterilization, to assure presence of beneficial soil microbiology. The fertilizer will have a near neutral pH, a low salt index, a low biological oxygen demand, contain organic humic and fulvic acids, and have high aerobic organism counts. The fertilizer will also be stable, free of bad odors, and be unattractive as a food source for animals. It should also be in a granular form that is easily spread.

The application rate is 34 pounds per 1,000 square feet.

The Fertilizer provided will be from the approved product list. The approved product list may be viewed at the following internet site:

https://apps.sd.gov/HC60ApprovedProducts/main.aspx

EROSION CONTROL WATTLE

Erosion control wattles for restraining the flow of runoff and sediment will be installed at locations shown in the plans and at locations determined by the Engineer during construction. Refer to Standard Plate 734.06 for details.

The Contractor will provide certification that the erosion control wattles do not contain noxious weed seeds.

Erosion control wattles will remain on the project until vegetation has been established and then they will be removed by the Contractor in accordance with the Engineer. No additional payment will be made for the removal of the erosion control wattles.

The erosion control wattle provided will be from the approved product list. The approved product list for erosion control wattle may be viewed at the following internet site:

https://apps.sd.gov/HC60ApprovedProducts/main.aspx

HIGH FLOW SILT FENCE

The high flow silt fence fabric provided will be from the approved product list. The approved product list for high flow silt fence may be viewed at the following internet site:

https://apps.sd.gov/HC60ApprovedProducts/main.aspx

High flow silt fence will be placed at the locations shown in the plans and at locations that will minimize siltation of adjacent streams, lakes, dams, or drainage areas as determined by the Engineer during construction. Refer to Standard Plate 734.05 for details.

High flow silt fence will remain on the project until vegetation has been established and then they will be removed by the Contractor in accordance with the Engineer. No additional payment will be made for the removal of the high flow silt fence.

CONCRETE WASHOUT AREA

No concrete washout will be allowed at project sites. Concrete trucks must wash out at supplier location.

SEDIMENT CONTROL AT TYPE S REINFORCED CONCRETE DROP INLETS

The Sediment Control Device at Type S Inlets provided will be from the approved product list. The approved product list may be viewed at the following internet site:

https://apps.sd.gov/HC60ApprovedProducts/main.aspx

TYPE 1 DETECTABLE WARNINGS

Detectable warnings will be in compliance with the Americans with Disabilities Act regulations.

The detectable warnings will be installed according to the manufacturer's installation instructions.

A concrete thickness equal to the adjacent concrete sidewalk thickness and 6 inches of granular cushion material will be placed below the Type 1 Detectable Warnings. When concrete is placed below the detectable warnings then the concrete thickness will be transitioned at the rate of 1" per foot to match the adjacent concrete sidewalk thickness.

The detectable warnings will be cast iron plates and may be a natural patina (weathered steel) for application in concrete curb ramps.

Type 1 Detectable Warning Panels will be one of the following products:

Type 1 Detectable Warnings

Product	Manufacturer
Detectable Warning Plate Cast Iron Plate	Neenah Foundry Company Neenah, WI 800-558-5075 http://www.neenahfoundry.com/
Detectable Warning Plate Cast Iron Plate	Deeter Foundry Lincoln, NE 800-234-7466 http://www.deeter.com/
Detectable Warning Plate Cast Iron Plate(No Coating)	East Jordan Iron Works, Inc. 301 Spring Street East Jordan, MI 49727 800-626-4653 http://www.ejiw.com
Iron Dome Cast Iron Detectable Warning Tile	ADA Solutions, Inc. 323 Andover Street Suite 3 Wilmington, MA 01887 800-372-0519 https://adatile.com
TufTile (wet-set) Cast Iron Replaceable Tile	TufTile 1200 Flex Court Lake Zurich, IL 60047 888-960-8897 http://www.tuftile.com/
Advantage Tactile Detectable Warning Cast Iron Plate	Advantage Tactile Systems, Inc. 241 Main Street, Suite 100 Buffalo, NY 14203 800-679-4022 https://advantagetactile.com/

6" PLASTIC PIPE EXTENSION

The Contractor shall extend the existing 6" corrugated plastic pipe along the south edge of Teen Center playground area in the Doral Drive Bid Schedule according to the cross-section notes and bedding detail shown in these plans. The Contractor shall carefully excavate the existing pipe end, cut the end back to the location noted in the plans or as directed by the Engineer to provide a clean and smooth edge for jointing.

The pipe material shall be dual wall high density polyethylene or Engineer approved equal and shall comply with ASTM D3350.

A pipe connection will be made providing a watertight, gasketed connection from the existing pipe to the new pipe for extension. The Contractor is fully responsible for confirming the size and material of existing pipe and ensuring the pipe connection provided will be sufficient. Existing pipe was measured at approximately 5" inside dia. in the field. The pipe connection product and installation method shall be submitted to the Engineer for approval prior to ordering.

The plastic pipe will terminate through the embankment slope as indicated in the drawings and as approved by the Engineer in the field. At the pipe termination, a 30" x 30" x 5" concrete headwall will be poured around the end of the pipe to protect against erosion.

All costs associated with furnishing and installing the products necessary to complete the 6" plastic pipe extension, including excavating the existing pipe, cutting the existing pipe, preparing and completing the connection, installing the new pipe and bedding, and installing the concrete headwall at the termination point shall be incidental to the contract unit price per foot for "6" Underdrain Pipe".

SWEEPING

The Contractor shall utilize a broom with pickup capabilities to clean the roadways and sidewalks adjacent to the various project sites of debris after hauling operations, concrete placing operations, and at any time determined by the Engineer. The Contractor shall also sweep the finished sidewalks prior to opening and again after seeding and mulching has occurred. There will be no separate measurement or payment for sweeping and it shall be incidental to the other various unit price items on the project.

ASPHALT CONCRETE TRAIL REMOVAL BY OWNER

The Brookings City Parks, Recreation and Forestry Department will remove the trail for Bid Alternate 1 – Outdoor Adventure Center. The Contractor shall provide a minimum of 2 weeks notice to the Department prior to commencing to the site to allow adequate time for the trail removal.

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
GENERAL NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

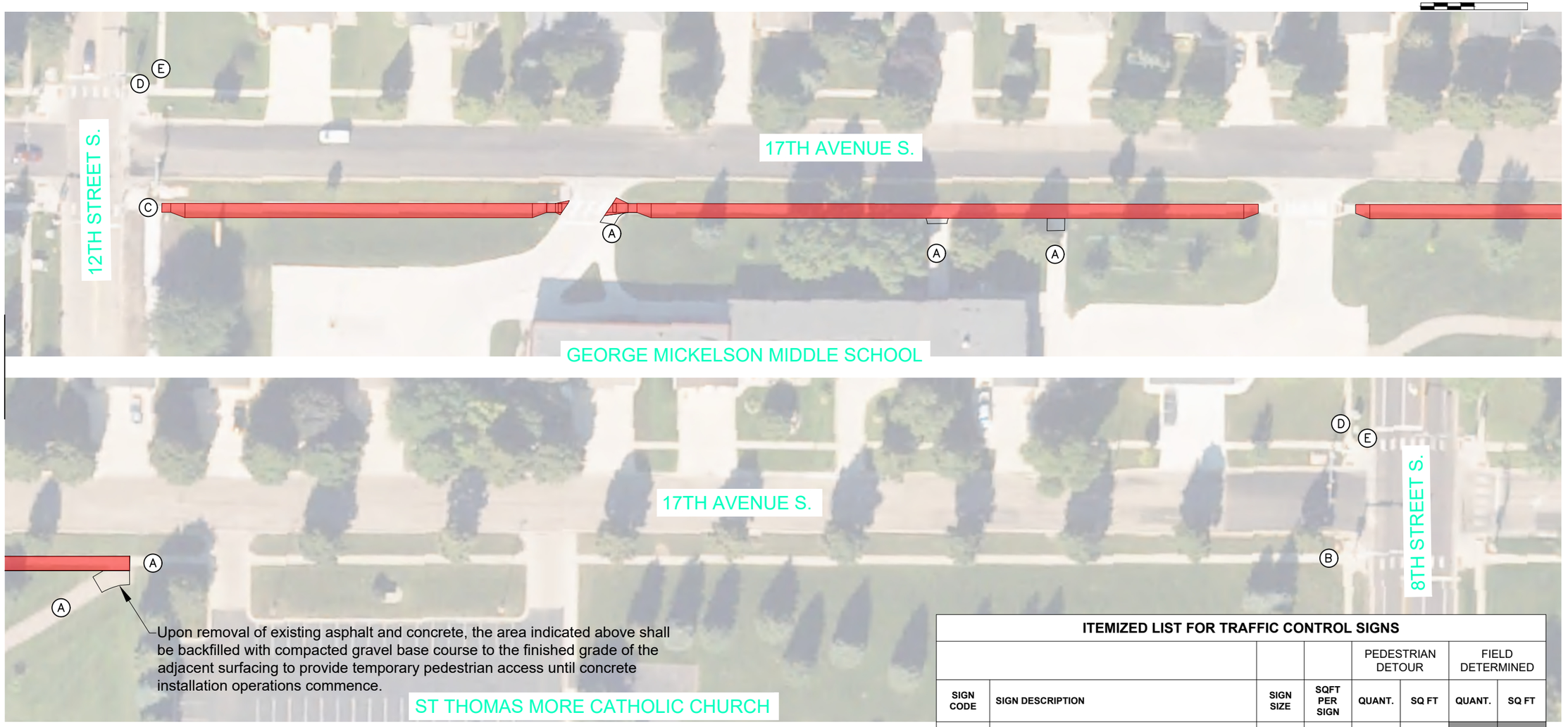
REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13268
WILLIAM J. BLASIUS
05/07/2026

JOB NO :	24629.00
DATE :	May 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

SCALE REDUCTION BAR

SHEET No. :
D-4



R9-9
24"x12"

A

R9-11R
24"x30"

B

R9-11aL
24"x12"

C

M4-9bL
24"x30"

D

M4-9bR
24"x30"

E

PROJECT AREA

ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

				PEDESTRIAN DETOUR		FIELD DETERMINED	
SIGN CODE	SIGN DESCRIPTION	SIGN SIZE	SQFT PER SIGN	QUANT.	SQ FT	QUANT.	SQ FT
R9-9	SIDEWALK CLOSED	24"x12"	2.0	5	10.0		
R9-11R	SIDEWALK CLOSED AHEAD, CROSS HERE	24"x30"	5.0	1	5.0		
R9-11aL	SIDEWALK CLOSED, CROSS HERE	24"x12"	2.0	1	5.0		
M4-9bL	PED DETOUR... ARROW LEFT	24"x30"	5.0	2	10.0		
M4-9bR	PED DETOUR... ARROW RIGHT	24"x30"	5.0	2	10.0		
W21-5	SHOULDER WORK	48"x48"	16.0			2	32.0
	CHANNELIZATION DEVICE (CANDLESTICK CONES)					10	
	TOTAL TRAFFIC CONTROL SIGNS SQ FT.			**72.0**			

NOTE:

"Field Determined" signs and devices should be delivered to the site prior to starting work and will be installed at the direction of the Engineer based on need as the project progresses.

*Additional Type 1 barricades will be necessary for Pedestrian Traffic Control Signs shown in the table.

The exact location and spacing of signs shown will be determined in the field by the Engineer.

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
TRAFFIC CONTROL - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13599
DAKOTA
05/07/2026

JOB No,:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

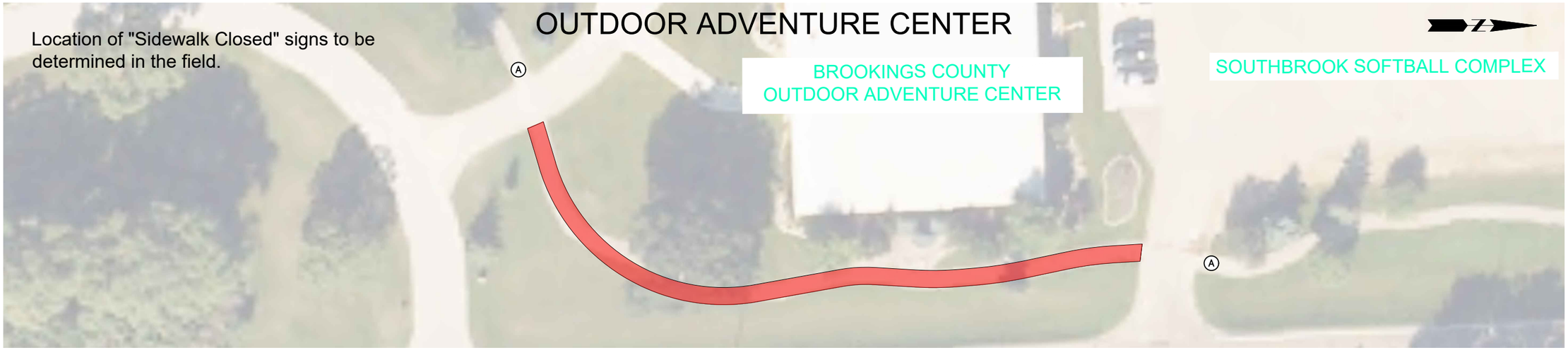
SHEET No. :
F-1

X:\Files\24629-00\Design Phase\CADD\Sheet File\F - Traffic Control.dwg;05/2026

0 25 50 FT

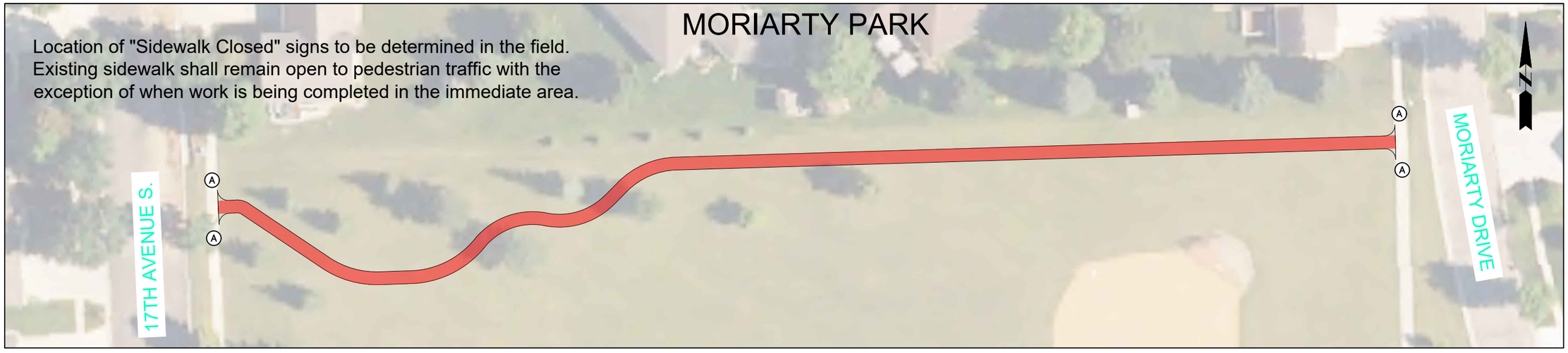
OUTDOOR ADVENTURE CENTER

Location of "Sidewalk Closed" signs to be determined in the field.



MORIARTY PARK

Location of "Sidewalk Closed" signs to be determined in the field.
Existing sidewalk shall remain open to pedestrian traffic with the exception of when work is being completed in the immediate area.



R9-9
24"x12"

A

PROJECT AREA

ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

				OUTDOOR ADVENTURE CENTER				MORIARTY PARK			
				PED TRAFFIC CONTROL		FIELD DETERMINED		PED TRAFFIC CONTROL		FIELD DETERMINED	
SIGN CODE	SIGN DESCRIPTION	SIGN SIZE	SQFT PER SIGN	QUANT.	SQ FT	QUANT.	SQ FT	QUANT.	SQ FT	QUANT.	SQ FT
R9-9	SIDEWALK CLOSED	24"x12"	2.0	2	4.0			4	8.0		
R9-10	SIDEWALK CLOSED, USE OTHER SIDE	24"x12"	2.0			4	8.0			4	8.0
TOTAL TRAFFIC CONTROL SIGNS SQ FT.				12.0				16.0			

NOTE:

"Field Determined" signs and devices should be delivered to the site prior to starting work and will be installed at the direction of the Engineer based on need as the project progresses.
*Additional Type 1 barricades will be necessary for Pedestrian Traffic Control Signs shown in the table.
The exact location and spacing of signs shown will be determined in the field by the Engineer.

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
TRAFFIC CONTROL - OUTDOOR ADVENTURE CENTER & MORIARTY PARK
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

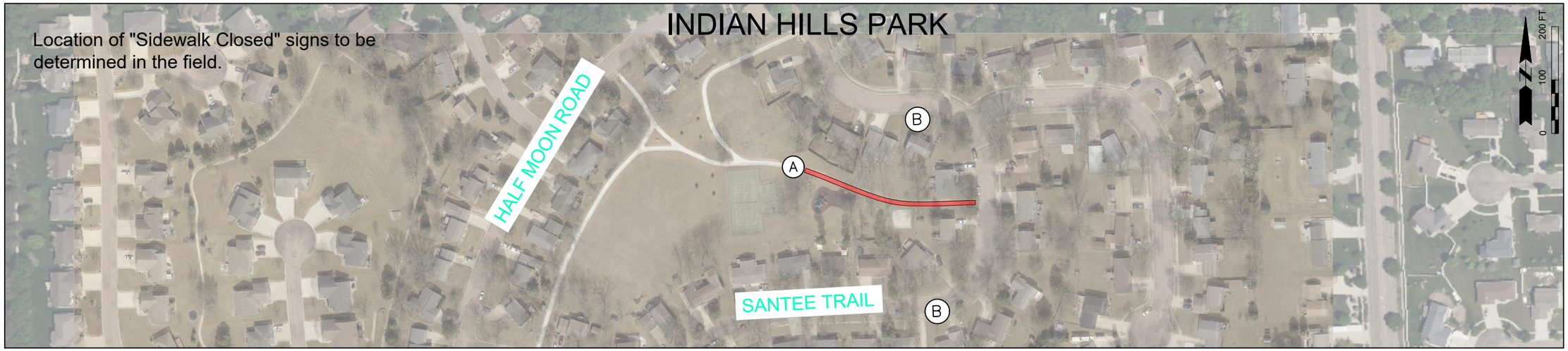
REGISTERED PROFESSIONAL ENGINEER
REG NO. 13288
WILLIAM J. BLASIUS
05/07/2026

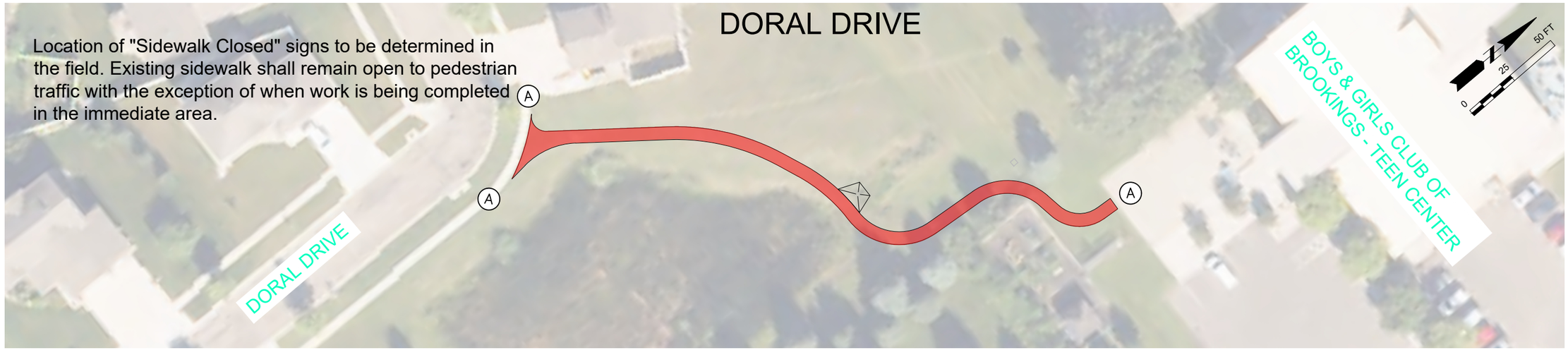
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
F-2

X:\Files\24629-00\Design Phase\CADD\Sheet File\F - Traffic Control.dwg;05/2026





R9-9
24"x12"

A

W8-6
48"x48"

B

PROJECT AREA

ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

				INDIAN HILLS PARK				DORAL DRIVE			
				PED & VEH TRAFFIC CONTROL		FIELD DETERMINED		PED TRAFFIC CONTROL		FIELD DETERMINED	
SIGN CODE	**SIGN DESCRIPTION**	**SIGN SIZE**	**SQFT PER SIGN**	**QUANT.**	**SQ FT**	**QUANT.**	**SQ FT**	**QUANT.**	**SQ FT**	**QUANT.**	**SQ FT**
R9-9	SIDEWALK CLOSED	24"x12"	2.0	1	2.0			3	6.0		
W8-6	TRUCK CROSSING	48"x48"	16.0	2	32.0						
R9-10	SIDEWALK CLOSED, USE OTHER SIDE	24"x12"	2.0			2	4.0			2	4.0
TOTAL TRAFFIC CONTROL SIGNS SQ FT.				**38.0**				**10.0**			

NOTE:

"Field Determined" signs and devices should be delivered to the site prior to starting work and will be installed at the direction of the Engineer based on need as the project progresses.
*Additional Type 1 barricades will be necessary for Pedestrian Traffic Control Signs shown in the table.
The exact location and spacing of signs shown will be determined in the field by the Engineer.

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
TRAFFIC CONTROL - INDIAN HILLS PARK & DORAL DRIVE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

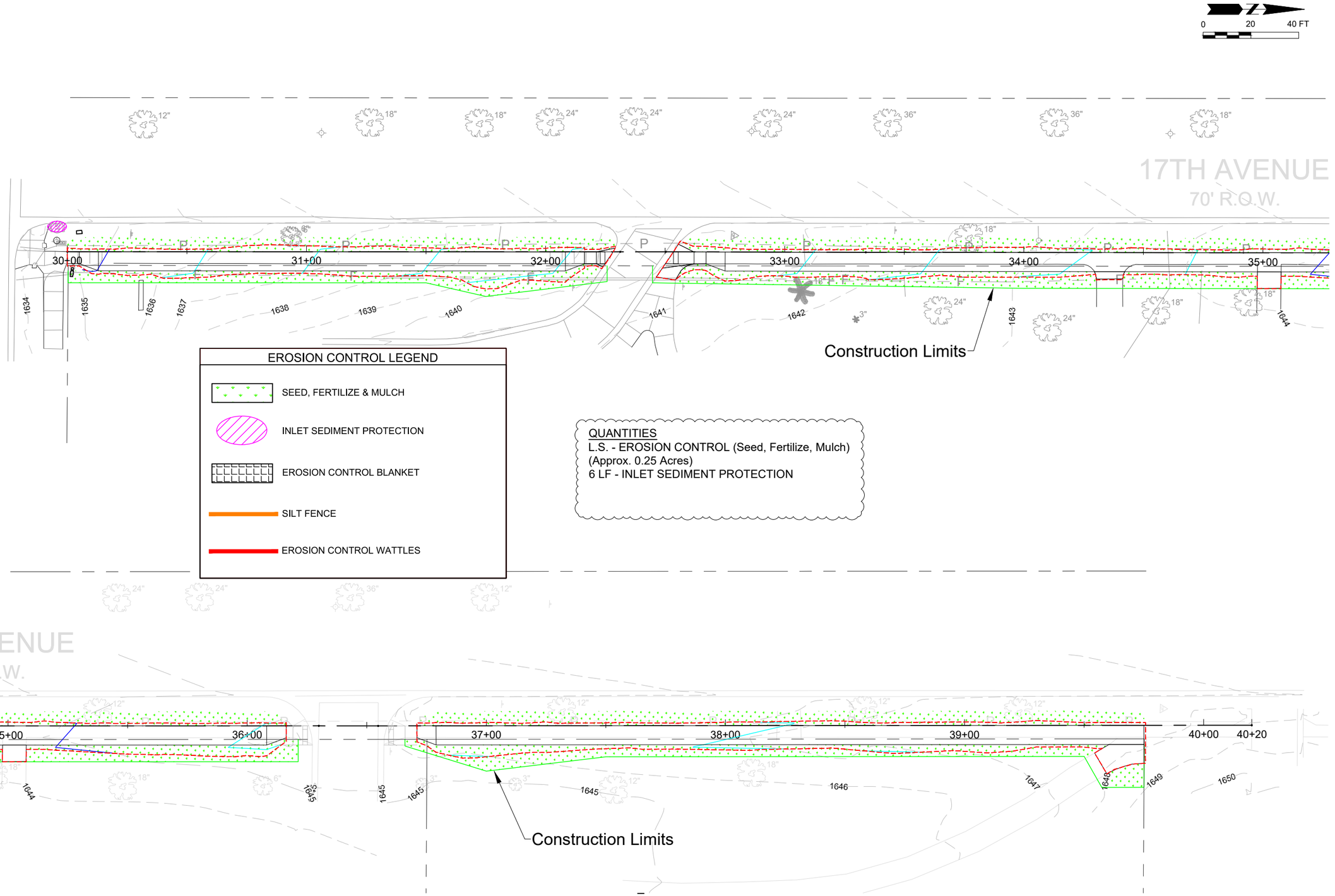
REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13798
WILLIAM J. BLASIUS
05/07/2026

JOB No,:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
F-3

X:\Files\24629-00\Design Phase\CADD\Sheet File\F - Traffic Control.dwg;05/2026



EROSION CONTROL LEGEND

- SEED, FERTILIZE & MULCH
- INLET SEDIMENT PROTECTION
- EROSION CONTROL BLANKET
- SILT FENCE
- EROSION CONTROL WATTLES

QUANTITIES
L.S. - EROSION CONTROL (Seed, Fertilize, Mulch)
(Approx. 0.25 Acres)
6 LF - INLET SEDIMENT PROTECTION

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BROOKINGS PARKS TRAILS 2026
EROSION CONTROL - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

PROJECT / SHEET TITLE :

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13598
WILLIAM J. BLASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

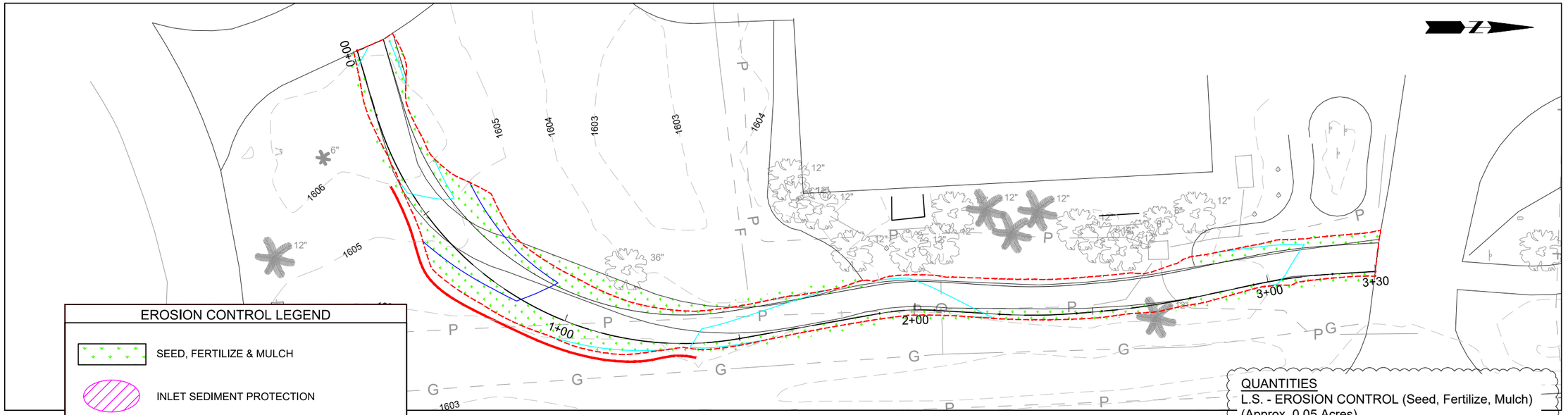
0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-1

X:\Files\24629-00\Design Phase\CADD\Sheet File\G - Erosion Control.dwg;05/2026

0 15 30 FT

OUTDOOR ADVENTURE CENTER

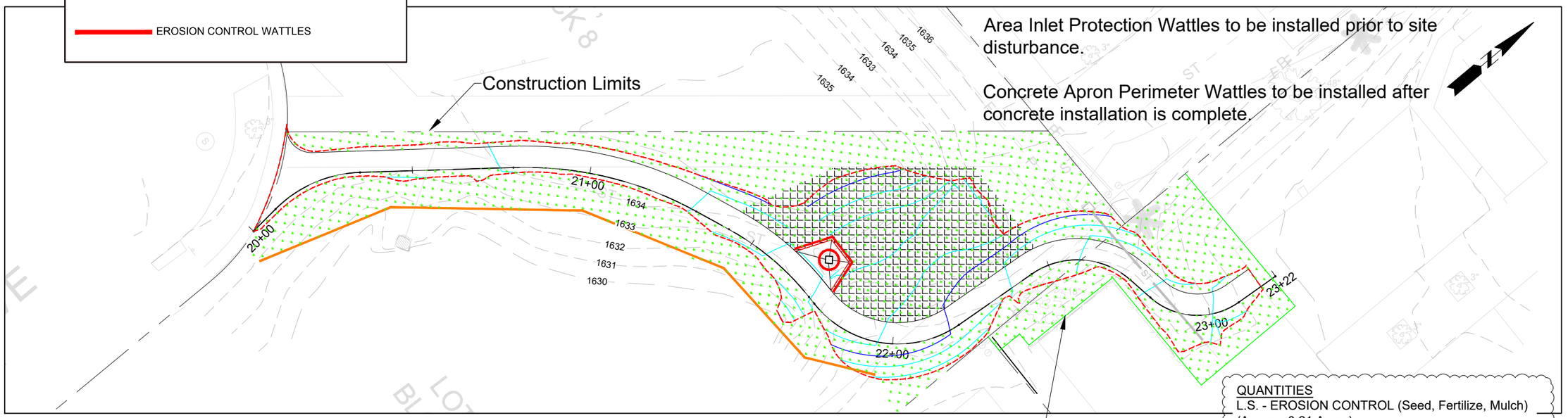


EROSION CONTROL LEGEND

- SEED, FERTILIZE & MULCH
- INLET SEDIMENT PROTECTION
- EROSION CONTROL BLANKET
- SILT FENCE
- EROSION CONTROL WATTLES

QUANTITIES
L.S. - EROSION CONTROL (Seed, Fertilize, Mulch)
(Approx. 0.05 Acres)
108 L.F. - 12" DIA. EROSION CONTROL WATTLES

DORAL DRIVE



Area Inlet Protection Wattles to be installed prior to site disturbance.

Concrete Apron Perimeter Wattles to be installed after concrete installation is complete.

Construction Limits

QUANTITIES
L.S. - EROSION CONTROL (Seed, Fertilize, Mulch)
(Approx. 0.21 Acres)
48 L.F. - 12" DIA. EROSION CONTROL WATTLES
232 L.F. - HIGH FLOW SILT FENCE
247 S.Y. - EROSION CONTROL BLANKET

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
EROSION CONTROL - OUTDOOR ADVENTURE CENTER & DORAL DRIVE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

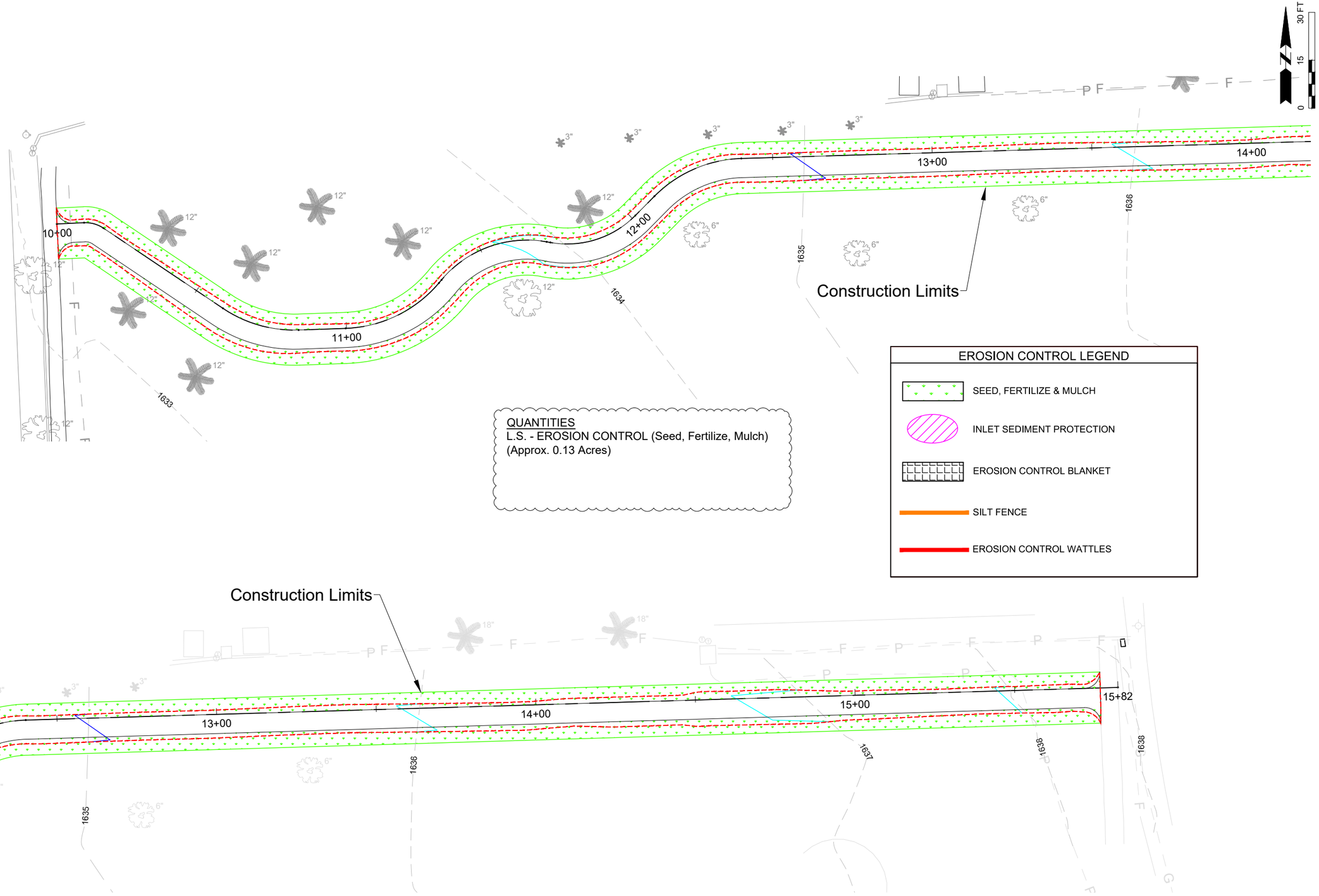
REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WILLIAM J. BLAS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-2

X:\Files\24629-00\Design Phase\CADD\Sheet File\G - Erosion Control.dwg;05/2026



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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
EROSION CONTROL - MORIARTY PARK
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

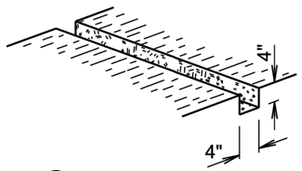
REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WILLIAM J. BASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

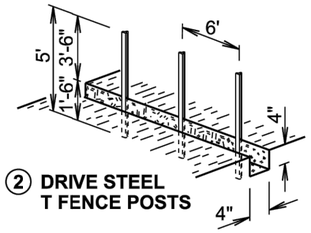
0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-3

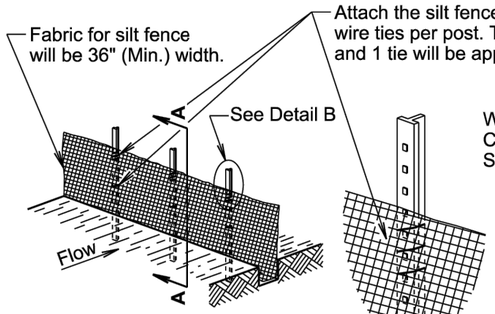
MANUAL HIGH FLOW SILT FENCE INSTALLATION



① EXCAVATE TRENCH

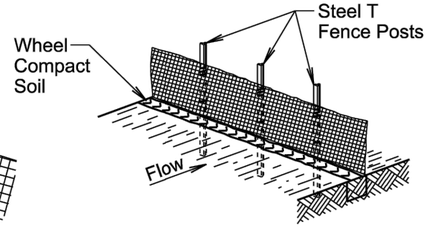


② DRIVE STEEL T FENCE POSTS

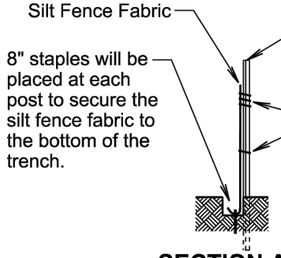


③ ATTACH SILT FENCE FABRIC

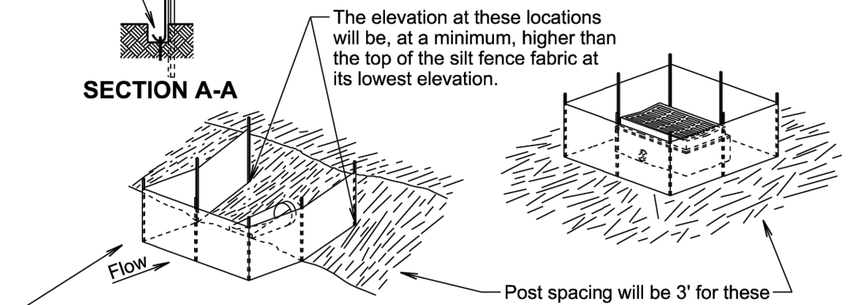
DETAIL B



④ BACKFILL TRENCH AND WHEEL COMPACT SOIL



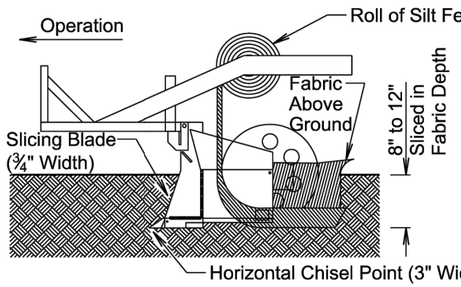
SECTION A-A



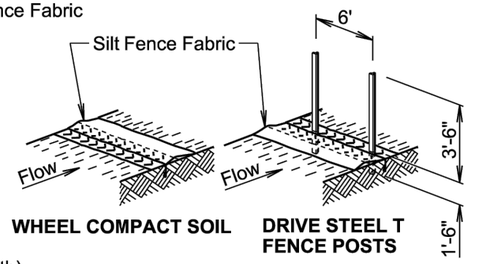
February 14, 2020

Published Date: 2026	SDDOT	HIGH FLOW SILT FENCE	PLATE NUMBER 734.05
			Sheet 1 of 2

MACHINE SLICED HIGH FLOW SILT FENCE INSTALLATION

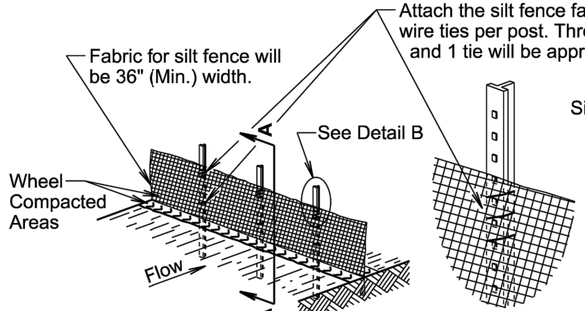


① INSTALL SILT FENCE FABRIC BY MACHINE SLICING METHOD.



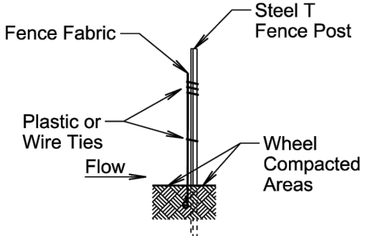
WHEEL COMPACT SOIL — DRIVE STEEL T FENCE POSTS

② WHEEL COMPACT SOIL ABOVE SLICED IN PORTION OF FABRIC AND THEN DRIVE STEEL T FENCE POSTS.

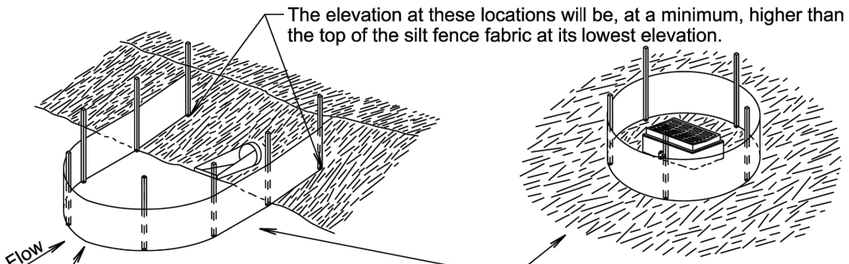


③ ATTACH SILT FENCE FABRIC

DETAIL B



SECTION A-A



GENERAL NOTE:

If a trench can not be dug or the silt fence fabric can not be sliced in due to the type of earthen material (such as rock), then a row of 30 to 40 pound sandbags butted end to end will be provided on top of the extra length of silt fence fabric to prevent underflow.

February 14, 2020

Published Date: 2026	SDDOT	HIGH FLOW SILT FENCE	PLATE NUMBER 734.05
			Sheet 2 of 2

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
EROSION CONTROL STANDARD PLATES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

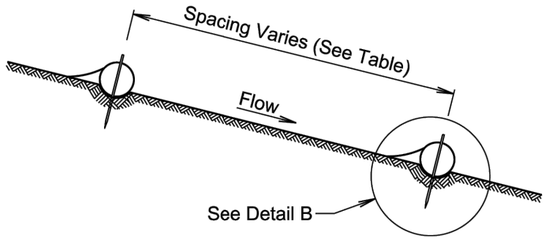
REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13394
EJASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

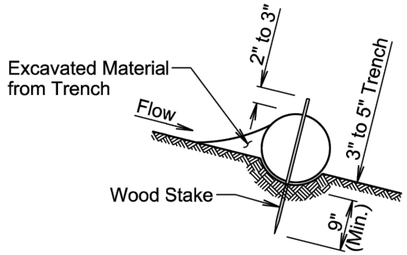
SHEET No. :
G-4

X:\Files\24629-00\Design Phase\CADD\Sheet File\IN - Civil Details & Plates.dwg;05/2026

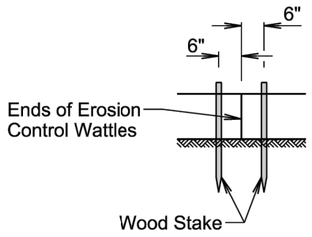


ELEVATION VIEW
(Cut or Fill Slope Installation)

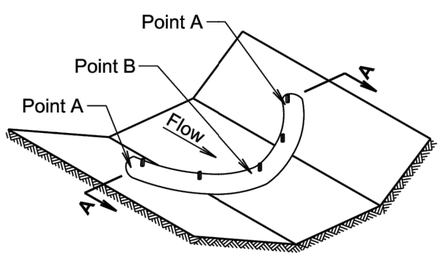
CUT OR FILL SLOPE INSTALLATION	
Slope	Spacing (Ft.)
1:1	10
2:1	20
3:1	30
4:1	40



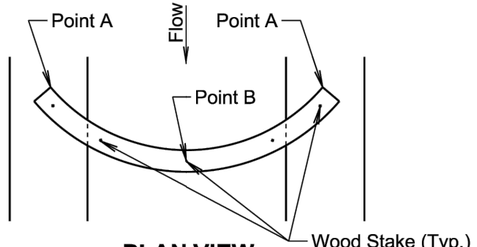
DETAIL B
(Typical of All Installations)



DETAIL C
(See General Notes)

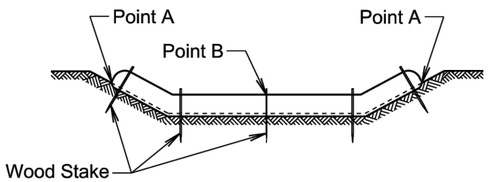


ISOMETRIC VIEW
(Ditch Installation)



PLAN VIEW
(Ditch Installation)

DITCH INSTALLATION	
Grade	Spacing (Ft.)
2%	150
3%	100
4%	75
5%	50



SECTION A-A

February 14, 2020

Published Date: 2026	SDDOT	EROSION CONTROL WATTLE	PLATE NUMBER 734.06
			Sheet 1 of 2

GENERAL NOTES:

At cut or fill slope installations, wattles will be installed along the contour and perpendicular to the water flow.

At ditch installations, point A must be higher than point B to ensure that water flows over the wattle and not around the ends.

The Contractor will dig a 3" to 5" trench, install the wattle tightly in the trench so that daylight can not be seen under the wattle, and then compact the soil excavated from the trench against the wattle on the uphill side. See Detail B.

The stakes will be 1"x2" or 2"x2" wood stakes, however, other types of stakes such as rebar may be used only if approved by the Engineer. The stakes will be placed 6" from the ends of the wattles and the spacing of the stakes along the wattles will be 3' to 4'.

Where installing running lengths of wattles, the Contractor will butt the second wattle tightly against the first and will not overlap the ends. See Detail C.

The Contractor and Engineer will inspect the erosion control wattles in accordance with the storm water permit. The Contractor will remove, dispose, or reshape the accumulated sediment when necessary as determined by the Engineer.

Sediment removal, disposal, or necessary shaping will be as directed by the Engineer. All costs for removing accumulated sediment, disposal of sediment, and necessary shaping will be incidental to the contract unit price per cubic yard for "Remove Sediment".

All costs for furnishing and installing the erosion control wattles including labor, equipment, and materials will be incidental to the contract unit price per foot for the corresponding erosion control wattle contract item.

All costs for removing the erosion control wattle from the project including labor, equipment, and materials will be incidental to the contract unit price per foot for "Remove Erosion Control Wattle".

February 14, 2020

Published Date: 2026	SDDOT	EROSION CONTROL WATTLE	PLATE NUMBER 734.06
			Sheet 2 of 2

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
EROSION CONTROL STANDARD PLATES
CITY OF BROOKINGS, SOUTH DAKOTA

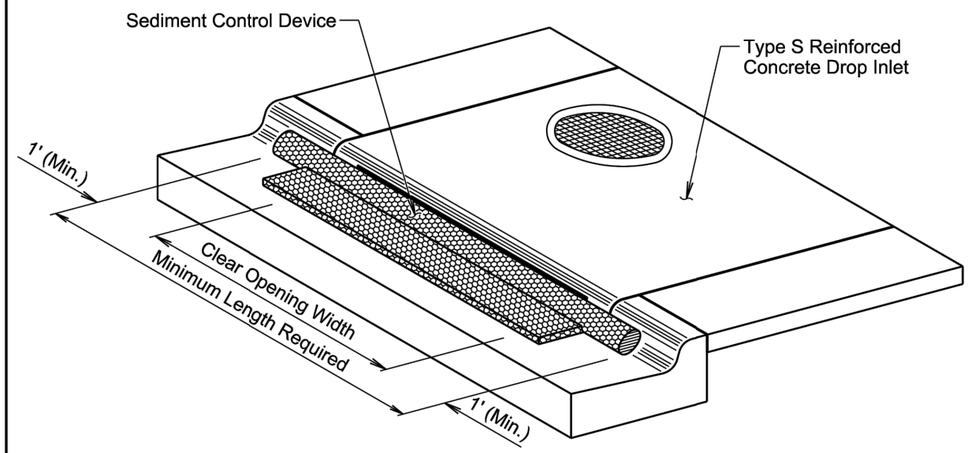
REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13298
WILLIAM J. BLASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-5



ISOMETRIC VIEW

GENERAL NOTES:

The type of sediment control device shown is for illustrative purposes only.

The type of sediment control device used will be one of the types as specified in the plans.

The sediment control device will be placed at the drop inlets according to the manufacturer's installation instructions.

The sediment control at inlet for type S reinforced concrete drop inlet will be placed at locations stated in the plans or at locations determined by the Engineer.

The Contractor and Engineer will inspect the sediment control device in accordance with the storm water permit. The Contractor will maintain the sediment control device by removing the device, removing accumulated sediment, and resetting the device.

The removed sediment will be placed at a location away from the drop inlet where the sediment will not be washed back into the drop inlet or other storm sewer system.

Payment for the "Sediment Control at Type S Drop Inlet" will be based on the minimum length required at the drop inlets. Some of the sediment control devices specified in the plans will have to be longer due to available length.

All costs for furnishing, installing, inspecting, maintaining, removing, and resetting the sediment control device at the drop inlet including labor, equipment, and materials will be incidental to the contract unit price per foot for "Sediment Control at Type S Reinforced Concrete Drop Inlet".

February 14, 2020

Published Date: 2026	SDDOT	SEDIMENT CONTROL AT INLETS FOR TYPE S REINFORCED CONCRETE DROP INLETS	PLATE NUMBER 734.11 Sheet 1 of 1

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
EROSION CONTROL STANDARD PLATES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WILDEBUR BASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-6

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STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

ALL PROJECTS REQUIRED TO HOLD A SURFACE WATER DISCHARGE GENERAL PERMIT SHALL DEVELOP AND COMPLY WITH A SWPPP. THE SWPPP IS DEVELOPED TO ENSURE COMPLIANCE WITH THE EFFLUENT LIMITS IN SECTION 3.0 OF THE GENERAL PERMIT. THE GENERAL PERMIT CAN BE FOUND AT HTTPS://DANR.SD.GOV/OFFICEOFWATER/SURFACEWATERQUALITY/DOCS/DANR_CONSTRUCTIONGENERALPERMIT2023.PDF

A SIGN OR OTHER NOTICE OF PERMIT COVERAGE MUST BE POSTED AT A SAFE, PUBLICLY ACCESSIBLE LOCATION IN CLOSE PROXIMITY TO THE CONSTRUCTION SITE. THE NOTICE MUST BE LOCATED SO IT IS VISIBLE FROM THE PUBLIC ROAD THAT IS NEAREST TO THE ACTIVE PART OF THE CONSTRUCTION SITE, AND IT MUST USE A FONT LARGE ENOUGH TO BE READILY VIEWED FROM A PUBLIC RIGHT-OF-WAY. AT A MINIMUM, THE NOTICE MUST INCLUDE:

1. THE GENERAL PERMIT NUMBER PROVIDED FOR THE PROJECT.
2. THE CONTACT NAME AND PHONE NUMBER FOR OBTAINING ADDITIONAL PROJECT INFORMATION.

NOTICE OF INTENT

A NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES HAS BEEN SUBMITTED TO THE SDDANR. PERMIT NUMBER IS SD# _____.

OWNER

CITY OF BROOKINGS PARKS AND RECREATION
520 3RD STREET, SUITE 130
BROOKINGS, SD 57006
PROJECT MANAGER: JOSHUA BAUMAN
EMAIL ADDRESS: JBAUMAN@CITYOFBROOKINGS-SD.GOV
PHONE NUMBER: 605-691-57006

PRIME CONTRACTOR

COMPANY:_____
ADDRESS:_____
ADDRESS:_____
CONTACT PERSON: _____
EMAIL ADDRESS: _____
PHONE NUMBER: _____
24-HOUR EMERGENCY CONTACT: _____
24-HOUR EMERGENCY CONTACT NUMBER: _____

DESIGN ENGINEER

BANNER ASSOCIATES, INC.
409 22ND AVE. S.
BROOKINGS, SD 57006
REGISTERED ENGINEER: WAYLON BLASIUS
EMAIL ADDRESS: WAYLONB@BANNERASSOCIATES.COM
PHONE NUMBER: 605-696-2277

SDDANR CONTACT FOR SPILL REPORTING

- BUSINESS HOURS MONDAY-FRIDAY (605) 773-3296
- NIGHTS AND WEEKENDS (605) 773-3231

SDDANR CONTACT FOR HAZARDOUS MATERIALS

- (605) 773-3153

SDDANR CONTACT FOR NONCOMPLIANCE REPORTING

- BUSINESS HOURS MONDAY-FRIDAY (800) 737-8676
- NIGHTS AND WEEKENDS (605) 773-3231

NATIONAL RESPONSE CENTER HOTLINE

- (800) 424-8802

PROJECT DESCRIPTION

THE PROJECT IS LOCATED AT VARIOUS BROOKINGS PARKS LOCATIONS AS WELL AS VARIOUS RESIDENTIAL AREAS IN BROOKINGS, SD. THE PROJECT CONSISTS OF THE CONSTRUCTION OF NEW CONCRETE TRAIL AS WELL AS RECONSTRUCTION OF PORTIONS OF EXISTING TRAILS.

MAJOR SOIL DISTURBING ACTIVITIES (CHECK ALL THAT APPLY)

- ☐ CLEARING AND GRUBBING
- ☒ EXCAVATION/BORROW
- ☒ GRADING AND SHAPING
- ☐ FILLING
- ☒ CUTTING AND FILLING
- ☒ OTHER (DESCRIBE): CONCRETE PAVING

EXISTING SITE CONDITIONS AND DESCRIPTION OF RECEIVING WATERS

THE EXISTING SITES ARE A MIX OF CITY PARKS AND URBAN RESIDENTIAL AREAS WITH HARD SURFACES. THE SURFACE DRAINAGE MAINLY FLOWS INTO LOCAL STORM DRAINAGE SYSTEMS THAT DISCHARGE INTO SMALL UNNAMED TRIBUTARIES, ULTIMATELY FEEDING TO SIX MILE CREEK AND/OR THE BIG SIOUX RIVER.

ADJACENT AREAS

THE PROJECT IS MAINLY LOCATED WITHIN THE CITY PARK PROPERTY OR CITY OF BROOKINGS PROPERTY. THE PROJECT IS BORDERED BY RESIDENTIAL AND INSTITUTIONAL DEVELOPMENTS.

SOILS, SLOPE, AND VEGETATION

THE SOILS THROUGHOUT THE PROJECT GENERALLY CONSIST OF SILTY CLAY LOAMS. STREET SLOPES WITHIN THE PROJECT AREA ARE GENERALLY UNDER 5% GRADE.

THE MAJORITY OF THE PROJECT AREA IS PAVED RESIDENTIAL ROADS, WITH CURB AND GUTTER AND SIDEWALKS. THE VEGETATION CONSISTS OF TYPICAL LANDSCAPED URBAN VEGETATION (BROME, KENTUCKY BLUEGRASS, DANDELIONS).

AREA AND VOLUME DISTURBED

IT IS ESTIMATED THAT THE DISTURBED AREA IS APPROXIMATELY 1 ACRES. THE CONTRACTOR SHALL WORK TO LIMIT THE AMOUNT OF DISTURBED EARTH TO LESS THAN 1 ACRE OR 1000 FEET OF LINEAR UTILITY AT ONE TIME WHENEVER POSSIBLE. CONTRACTOR SHALL CONTROL DUST USING WATER OR VEGETATION. ALL TRENCHES SHALL BE FILLED IN PRIOR TO LEAVING FOR THE DAY.

AGENCY COORDINATION

- ARE WETLANDS OR WOTUS PRESENT IN THE PROJECT AREA? NO
- IF WETLANDS OR WOTUS ARE PRESENT, HAS A DETERMINATION BEEN MADE BY THE US ARMY CORPS OF ENGINEERS? N/A
- IS THE PROJECT IN THE 100-YEAR OR 500-YEAR FLOODPLAIN? YES. THE PLANS SHOULD BE SUBMITTED TO THE LOCAL FLOODPLAIN ADMINISTRATOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IT SHOULD BE ENSURED THAT THE PROPOSED PROJECT IS IN COMPLIANCE WITH THE FLOODPLAIN MANAGEMENT CRITERIA OF THE CITY OF BROOKINGS AND THE STATE OF SOUTH DAKOTA.
- DOES THE STATE HISTORICAL PRESERVATION OFFICE (SHPO) NEED TO REVIEW THESE PLANS? NO
- DOES THE SD GAME FISH AND PARKS NEED TO REVIEW THESE PLANS? NO
- DOES THE US FISH AND WILDLIFE SERVICE NEED TO REVIEW THESE PLANS? NO

METHODS OF ENSURING SURFACE WATER QUALITY

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE NO SEDIMENT-LADEN WATERS LEAVE THE PROJECT WITHOUT EXPOSURE TO AN EROSION OR SEDIMENT CONTROL DEVICE. CONTRACTOR SHALL MINIMIZE SITE RUN-ON BY UTILIZING BERMS, DITCHES, DIKES, SWALES, OR ANY OTHER APPROPRIATE EROSION AND SEDIMENT CONTROL WITHOUT IMPEDING UPSTREAM DRAINAGE.

THE DISCHARGE OF UNCONTAMINATED GROUND WATER IS ALLOWED BY THE GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES, PROVIDED THE DISCHARGE COMPLIES WITH THE CONDITIONS OF SECTION 3.21 OF THE GENERAL PERMIT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE GENERAL PERMIT. ALL MONITORING, TESTING, REPORTING, AND OTHER REQUIREMENTS OF THE GENERAL PERMIT ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MUST OBTAIN COVERAGE UNDER THE SOUTH DAKOTA SURFACE WATER DISCHARGE PERMIT FOR TEMPORARY DISCHARGE ACTIVITIES IN SOUTH DAKOTA (DEWATERING PERMIT) FOR ALL OTHER NON-STORMWATER DISCHARGES.

PUMPING (MECHANICALLY DISCHARGING) PONDED STORMWATER OR TRENCH DEWATERING INTO THE STORM SEWER OR OFF THE PROJECT SITE IS COVERED UNDER THE GENERAL PERMIT, PROVIDED THE CONTRACTOR IMPLEMENTS APPROPRIATE CONTROLS AND BMPS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE DEWATERING CONDITIONS OF THE CONSTRUCTION GENERAL PERMIT FOR THESE ACTIVITIES. CONTRACTOR MUST OBTAIN A TEMPORARY WATER USE PERMIT; CONTACT SDDANR WATER RIGHTS PROGRAM AT 605-773-3352 FOR MORE INFORMATION. THE ENGINEER MAY NOTIFY THE SDDANR IF THE CONTRACTOR IS OBSERVED PUMPING SEDIMENT-LADEN WATER INTO THE STORM SEWER OR OFF SITE WITHOUT APPROPRIATE CONTROLS. PUMPING SEDIMENT LADEN WATER THROUGH INLET PROTECTION IS NOT ALLOWED AS A BMP.

IN LIEU OF PUMPING SEDIMENT LADEN WATER, THE FOLLOWING ARE SOME METHODS THE CONTRACTOR MAY USE TO CONTROL SEDIMENT LADEN WATER.

- THE BEST METHOD IS FOR THE CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE DURING ALL PHASES OF THE PROJECT TO PREVENT WATER FROM PONDING ON THE PROJECT.
- TREAT THE SEDIMENT LADEN WATER ONSITE THROUGH THE USE OF FILTER BAGS, DEFLOCCULATING CHEMICALS, SEDIMENT BASINS, OR A PORTABLE CONTAINMENT SYSTEM. NOTE: CHEMICALS CANNOT BE ADDED TO THE DISCHARGE WITHOUT PRIOR APPROVAL FROM SDDANR.
- PUMP OR DISCHARGE THE WATER TO OTHER PORTIONS OF THE SITE. THIS IS ALLOWED IF THE WATERS DO NOT LEAVE THE PROJECT LIMITS.
- USE BMPS TO MINIMIZE OR PREVENT CHANNEL SCOURING OR EROSION CAUSED BY DEWATERING DISCHARGES.

EROSION/SEDIMENT CONTROL SEQUENCE AND TIME SCHEDULE

THE FOLLOWING INFORMATION IS INTENDED TO PROVIDE A GUIDELINE TO THE CONTRACTOR FOR THE INSTALLATION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES AND IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN DURING CONSTRUCTION. THE TIMELINE AND SEQUENCE ARE FOR REFERENCE ONLY AND MAY CHANGE DEPENDING ON THE CONTRACTOR'S SEQUENCE OF OPERATIONS AND MUST BE APPROVED BY THE ENGINEER PRIOR TO MAKING CHANGES.

TIME SCHEDULE:

ANTICIPATED START DATE OF CONSTRUCTION IS *SUMMER 2026*.

- INSTALL PRELIMINARY SEDIMENT CONTROL MEASURES AS INDICATED IN THE PLANS PRIOR TO BEGINNING GRADING ACTIVITIES IN EACH SCHEDULE.
- PRELIMINARY SEDIMENT CONTROL MEASURES MAY INCLUDE SILT FENCES, INLET SEDIMENT PROTECTION, OR EROSION CONTROL BLANKETS AS NEEDED.
- INITIAL SEDIMENT CONTROL MEASURES INCLUDE THE INSTALLATION OF INLET PROTECTION DEVICES, HIGH FLOW SILT FENCE, AND EROSION CONTROL WATTLES. THESE SHOULD BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITIES.

ANTICIPATED COMPLETION DATE IS *FALL 2026.*

- UPON COMPLETION OF CONSTRUCTION, INSTALL PERMANENT EROSION CONTROL AND RE-VEGETATION MEASURES.
- COMPLETE SEED MIX AND SOD NO MORE THAN 14 DAYS AFTER FINAL GRADING WORK IS COMPLETE.
- REMOVE AND PROPERLY DISPOSE OF TEMPORARY CONTROL MEASURES IN ACCORDANCE WITH THE ENGINEER ONCE ALL EARTH-DISTURBING ACTIVITIES ARE COMPLETE AND THE SITE HAS REACHED FINAL STABILIZATION.

EROSION CONTROL REMOVALS

INLET PROTECTION, SILT TRAPS, SILT DITCH, AND TEMPORARY SILT FENCE SHALL BE REMOVED IN ACCORDANCE WITH THE ENGINEER, AFTER ALL HARD SURFACING IS COMPLETE AND FINAL STABILIZATION HAS BEEN ACHIEVED ON SITE. PAVED STREETS SHALL BE CLEANED AT THE END OF EACH WORKDAY.

IN THE EVENT THAT MORE THAN ONE-HALF INCH OF RAIN FALLS ON THE SITE, THE CONSTRUCTION SITE WILL BE INSPECTED FOR EROSION AND SEDIMENTATION, BUILD-UP OF SEDIMENT IN THE STORMWATER MANAGEMENT SYSTEM, OR ANY POSSIBLE LEAK FROM THE SITE WITHIN 24 HOURS. IF ANY OF THESE PROBLEMS ARE DETECTED, THE PROPER PERSONNEL, AS DEFINED IN THE "PRIME CONTRACTOR" CONTACTS AT THE BEGINNING OF THIS SWPPP, SHALL BE CONTACTED, EVENT RECORDED, AND PROPER MEASURES TAKEN. INSPECTION AND MAINTENANCE FORMS ARE ATTACHED THAT PROVIDE A SCHEDULE TO BE FOLLOWED TO SATISFY THIS POLLUTION PREVENTION PLAN, WHICH CAN BE MODIFIED AS TIME GOES ON.

SOIL SURFACE STABILIZATION PRACTICES

AFTER CONSTRUCTION BEGINS, TEMPORARY SOIL SURFACE STABILIZATION SHALL BE COMPLETED WITHIN 14 DAYS TO ALL DISTURBED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR PERIODS LONGER THAN 14 CALENDAR DAYS. AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, PERMANENT OR TEMPORARY SOIL SURFACE STABILIZATION ON DISTURBED AREAS SHALL BEGIN BY THE FOLLOWING DAY.

STABILIZATION AND EROSION CONTROL PRACTICES

- ☐ TEMPORARY SEEDING (COVER CROP SEEDING)
- ☒ PERMANENT SEEDING
- ☐ SODDING
- ☐ PLANTING (WOODY VEGETATION FOR SOIL STABILIZATION)
- ☐ MULCHING (GRASS HAY OR STRAW)
- ☒ HYDRAULIC MULCH (WOOD FIBER MULCH)
- ☐ SOIL STABILIZER
- ☐ BONDED FIBER MATRIX
- ☒ EROSION CONTROL BLANKETS OR MATS
- ☐ VEGETATIVE BUFFER STRIPS
- ☐ ROUGHENED SURFACE
- ☐ DUST CONTROL
- ☐ OTHER (DESCRIBE):

STRUCTURAL EROSION AND SEDIMENT CONTROLS

- ☒ SILT FENCE
- ☐ FLOATING SILT CURTAIN
- ☐ STRAW BALE CHECK
- ☐ TEMPORARY BERM
- ☐ TEMPORARY SLOPE DRAIN
- ☒ STRAW WATTLES OR ROLLS
- ☐ TURF REINFORCEMENT MAT

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
STORMWATER POLLUTION PREVENTION PLAN NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13291
WAYLON J. BLASIUS
05/07/2026

JOB NO :	24629.00
DATE :	MAY 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-7

- ☐ RIP RAP
- ☐ GABIONS
- ☐ ROCK CHECK DAMS
- ☐ SEDIMENT TRAPS/BASINS
- ☒ INLET PROTECTION
- ☐ OUTLET PROTECTION
- ☒ SURFACE INLET PROTECTION (AREA DRAIN)
- ☒ CURB INLET PROTECTION
- ☐ TEMPORARY VEHICLE TRACKING CONTROL
- ☐ ENTRANCE/EXIT EQUIPMENT TIRE WASH
- ☐ INTERCEPTOR DITCH
- ☐ CONCRETE WASHOUT AREA
- ☐ TEMPORARY DIVERSION CHANNEL
- ☐ WORK PLATFORM
- ☐ TEMPORARY WATER BARRIER
- ☐ TEMPORARY WATER CROSSING
- ☐ OTHER (DESCRIBE):

TEMPORARY STABILIZATION MEASURES

STABILIZATION MEASURES SHALL BEGIN THE FOLLOWING WORKDAY WHENEVER EARTH DISTURBING ACTIVITY ON ANY PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY STABILIZATION SHALL BE COMPLETED AS SOON AS PRACTICABLE BUT NO LATER THAN 14 DAYS AFTER INITIATING SOIL STABILIZATION ACTIVITIES.

PERMANENT STABILIZATION MEASURES

SEED WILL BE USED FOR PERMANENT STABILIZATION OF ALL DISTURBED AREAS NOT PAVED OR FARMED THROUGHOUT THE PROJECT LIMITS. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH BEST MANAGEMENT PRACTICES NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. MINIMIZE SOIL COMPACTION IN AREAS THAT WILL BE SEEDED FOR FINAL STABILIZATION.

AFTER THE ENTIRE SITE IS STABILIZED AS DEFINED IN THE "NOTICE OF TERMINATION" SECTION OF THIS SWPPP, THE SILT FENCE AND ANY REMAINING ACCUMULATED SEDIMENT WILL BE REMOVED. CONTRACTOR SHALL FILL OUT "WORKSHEET #1-SCHEDULE OF GRADING AND CONSTRUCTION ACTIVITIES" TO RECORD WHEN TEMPORARY AND PERMANENT GRADING ACTIVITIES STARTED AND ENDED AND WHEN STABILIZATION BMPS FOLLOWED.

STORMWATER MANAGEMENT CONSIDERATIONS

PROVIDE SEDIMENT BASINS/TRAPS AND GRASS SWALES IF NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE SITE. AT NO TIME SHALL WATER FROM THIS PROJECT ENTER STORM DRAINAGE SYSTEMS OR LEAVE THE SITE WITHOUT EXPOSURE TO A SEDIMENT FILTRATION DEVICE. ALL CULVERTS, PIPES, DROP INLETS, MANHOLES, AND JUNCTION BOXES (NEW AND EXISTING) SHALL HAVE SEDIMENT CONTROL DEVICES PLACED AROUND THEIR PERIMETER DURING ALL STAGES OF CONSTRUCTION, EXCEPT DURING THE PLACEMENT OF FINAL SURFACING. THIS MAY NECESSITATE MULTIPLE INSTALLATIONS OF SEDIMENT CONTROL DEVICES AT THE SAME LOCATION.

STORMWATER WILL DRAIN INTO THE EXISTING STORM WATER SYSTEM. ROCK-FILLED BAGS, BALE CHECKS, OR OTHER OUTLET AND INLET PROTECTION ARE TO BE USED TO PREVENT SEDIMENT FROM ENTERING DRAINS.

SILT FENCE WILL BE INSTALLED AT INLETS AND ALONG DRAINAGE WAYS TO PREVENT EXCESSIVE SEDIMENT FROM DISCHARGING FROM THE SITE.

EROSION CONTROL BLANKETS SHALL BE PLACED ON ALL UNPROTECTED/DISTURBED SLOPES GREATER THAN 5 PERCENT.

ALL STORMWATER CONTROLS MUST BE INSTALLED AND MAINTAINED TO FUNCTION PROPERLY AND WITHSTAND A 2-YEAR, 24-HOUR PRECIPITATION EVENT, WHICH IS APPROXIMATELY 2.54 INCHES IN THIS AREA [INFO AVAILABLE AT https://hdsc.nws.noaa.gov/pfds/pfds_map_cont.html?bkmrk=sd].

MODIFICATIONS OF EROSION AND SEDIMENT CONTROL DEVICES TO PREVENT PROPERTY DAMAGE

THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN DRAINAGE. IN THE EVENT THAT AN EROSION OR SEDIMENT CONTROL DEVICE IS OBSTRUCTING DRAINAGE AND DAMAGE TO PROPERTY IS POSSIBLE, THE CONTRACTOR MAY TEMPORARILY MODIFY OR REMOVE THE DEVICE TO FACILITATE DRAINAGE. AN EXAMPLE IS INLET PROTECTION IN A SUMP LOCATION SURROUNDED BY BUILDINGS. IF A DEVICE IS REMOVED FOR THIS PURPOSE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER TO DISCUSS AND IMPLEMENT ALTERNATIVES TO COMPLY WITH THE SWPPP AND GENERAL PERMIT.

REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES

THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL DEVICES WHEN THE SITE REACHES FINAL STABILIZATION. THE ENGINEER MAY ORDER SPECIFIC TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL DEVICES TO REMAIN IN PLACE PAST FINAL STABILIZATION. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR REMOVING THESE ITEMS.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES WILL BE REMOVED AT THE 1-YEAR INSPECTION IF NOT DONE SO EARLIER, PROVIDED FINAL STABILIZATION HAS BEEN REACHED.

MATERIAL INVENTORY PRACTICES

KEEPING AN UP-TO-DATE INVENTORY ON ALL MATERIALS (BOTH HAZARDOUS AND NONHAZARDOUS) PRESENT ON SITE WILL HELP TRACK HOW MATERIALS ARE STORED AND HANDLED ONSITE, AND IDENTIFY WHICH MATERIALS AND ACTIVITIES POSE THE MOST RISK TO THE ENVIRONMENT. THE FOLLOWING DESCRIPTION PROVIDES THE BASIC STEPS IN COMPLETING A MATERIAL INVENTORY:

1. IDENTIFY ALL CHEMICAL SUBSTANCES PRESENT AT WORK SITE. PERFORM A WALK-THROUGH OF THE SITE, REVIEW PURCHASE ORDERS, LIST ALL CHEMICAL SUBSTANCES USED, AND OBTAIN SAFETY DATA SHEETS (SDS) FOR ALL CHEMICALS.
2. LABEL ALL CONTAINERS. LABELS SHALL PROVIDE NAME AND TYPE OF SUBSTANCE, STOCK NUMBER, EXPIRATION DATE, HEALTH HAZARDS, HANDLING SUGGESTIONS, AND FIRST AID INFORMATION. THIS INFORMATION CAN ALSO BE FOUND ON AN SDS.
3. CLEARLY MARK ON THE HAZARDOUS MATERIALS INVENTORY WHICH CHEMICALS REQUIRE SPECIAL HANDLING, STORAGE, USE, AND DISPOSAL CONSIDERATIONS. DECISIONS ON THE AMOUNTS OF HAZARDOUS MATERIALS THAT ARE STORED ON SITE SHALL INCLUDE AN EVALUATION OF ANY EMERGENCY CONTROL SYSTEMS THAT ARE IN PLACE. ALL STORAGE AREAS SHALL BE DESIGNED TO CONTAIN ANY SPILLS.

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

CONCRETE
PETROLEUM BASED PRODUCTS (FUEL, HYDRAULIC OIL)
~~PAINTS (ENAMEL AND LATEX)~~
~~RAW MATERIALS~~
WOOD (FOR TEMPORARY CONSTRUCTION)
~~PLASTIC PELLETS~~
FINISHED MATERIALS
METALS
~~CHEMICALS (CHLORINE, AMMONIA, ETC.)~~
BITUMINOUS MATERIALS
~~DETERGENTS~~
CURE
~~TEXTURE~~
~~HAZARDOUS MATERIALS~~
FERTILIZERS
~~PESTICIDES~~
METAL REBAR
~~SOLVENTS~~

SPILL PREVENTION

NONSTRUCTURAL BMPS SUCH AS GOOD HOUSEKEEPING MEASURES CAN, TO SOME DEGREE, PREVENT THE DEPOSITION OF POLLUTANTS ON THE URBAN LANDSCAPE OR REMOVE POLLUTANTS AT THEIR SOURCE. THE SOURCE OF POLLUTANTS FOR ASSIMILATION INTO STORMWATER IS THE LAND SURFACE ITSELF, ESPECIALLY THE IMPERVIOUS SURFACES IN THE URBAN AREA. THUS, IT IS EXPECTED THAT WHEN NONSTRUCTURAL MEASURES ARE EFFECTIVELY IMPLEMENTED, THEY WILL REDUCE THE NUMBER OF POLLUTANTS BEING DEPOSITED ON LAND SURFACES FOR EVENTUAL CONTACT WITH STORMWATER AND TRANSPORTED TO THE RECEIVING WATER SYSTEM. THEREFORE, THE CONTRACTOR SHOULD EVALUATE AND DETERMINE WHICH APPROPRIATE GOOD HOUSEKEEPING MEASURES LISTED BELOW COULD BE USED.

GOOD HOUSEKEEPING: TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIAL AND SUBSTANCES TO STORMWATER RUNOFF, THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

1. AN EFFORT WILL BE MADE TO ONLY STORE ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS, AND IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED BEFORE DISPOSING OF THE CONTAINER.
6. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL.
7. MAINTAIN DRY AND CLEAN FLOORS AND GROUND SURFACES BY USING BROOMS, SHOVELS, VACUUM CLEANERS, OR CLEANING MACHINES RATHER THAN WET CLEANUP METHODS.
8. THE SITE SUPERINTENDENT WILL INSPECT THE SITE, AT A MINIMUM, ONCE EVERY 7 CALENDAR DAYS, OR ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF PRECIPITATION THAT EXCEEDS 0.25 INCHES OR SNOW MELT THAT GENERATES RUNOFF, THE CONTRACTOR SHALL KEEP A PROPERLY MAINTAINED RAIN GAUGE ON SITE FOR THIS PURPOSE. THE INSPECTIONS ARE CONDUCTED TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

MATERIAL STORAGE PRACTICES: IMPROPERLY STORING MATERIAL ON SITE CAN LEAD TO THE RELEASE OF MATERIALS AND CHEMICALS THAT CAN CAUSE STORMWATER RUNOFF POLLUTION. PROPER STORAGE TECHNIQUES INCLUDE THE FOLLOWING:

1. PROVIDE ADEQUATE AISLE SPACE TO FACILITATE MATERIAL TRANSFER AND EASE OF ACCESS FOR INSPECTION.
2. STORE CONTAINERS, DRUMS, AND BAGS AWAY FROM DIRECT TRAFFIC ROUTES TO PREVENT ACCIDENTAL SPILLS.
3. STACK CONTAINERS ACCORDING TO MANUFACTURER'S INSTRUCTIONS TO AVOID DAMAGING THE CONTAINERS FROM IMPROPER WEIGHT DISTRIBUTION.
4. STORE CONTAINERS ON PALLETS OR SIMILAR DEVICES TO PREVENT CORROSION OF CONTAINERS THAT RESULTS FROM CONTAINERS COMING IN CONTACT WITH MOISTURE ON THE GROUND.

HAZARDOUS PRODUCT STORAGE: THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. STORE TOXIC OR HAZARDOUS LIQUIDS WITHIN CURBED AREAS OR SECONDARY CONTAINERS.
3. ORIGINAL LABELS AND SAFETY DATA SHEETS WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
4. IF SURPLUS PRODUCTS MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.
5. ASSIGN RESPONSIBILITY OF HAZARDOUS MATERIAL INVENTORY TO A LIMITED NUMBER OF PEOPLE WHO ARE TRAINED TO HANDLE SUCH MATERIALS.
6. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND.
7. WHEEL AND VEHICLE WASH WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.
8. POTENTIAL PH-MODIFYING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS, CONCRETE PUMPING, RESIDUALS FROM CONCRETE SAW CUTTING (EITHER WET OR DRY), AND MIXER WASHOUT WATERS WILL BE COLLECTED ON SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.

WASTE DISPOSAL: TO ASSURE THAT EQUIPMENT AND WORK-RELATED PROCESSES ARE WORKING WELL; THE FOLLOWING PRACTICES CAN BE IMPLEMENTED:

1. ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. TRASH CONTAINERS WILL BE SERVICED AS NECESSARY.
2. REGULARLY PICK UP AND DISPOSE OF ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE IN THE DUMPSTER. THE TRASH WILL BE HAULED TO AN APPROVED DISPOSAL SITE OR LICENSED LANDFILL.
3. THE DUMPSTER WILL BE EMPTIED AT A FREQUENCY DEEMED NECESSARY.
4. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AT A FREQUENCY DEEMED NECESSARY BY THE CONTRACTED SANITARY WASTE DISPOSAL COMPANY, A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION. IT WILL BE DISPOSED OF AT A MUNICIPAL WASTEWATER TREATMENT FACILITY WITH APPROVAL FROM THE MUNICIPALITY.
5. CONTRACTOR IS RESPONSIBLE THAT ALL ONSITE PERSONNEL WILL BE INSTRUCTED IN THE PROPER PROCEDURES FOR WASTE DISPOSAL AND NOTICES STATING PROPER PRACTICES WILL BE POSTED IN THE FIELD OFFICE. THE GENERAL CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR THE CONDUCT OF WORK ON THE SITE WILL BE RESPONSIBLE FOR SEEING WASTE DISPOSAL PROCEDURES ARE FOLLOWED.
6. CONTRACTOR SHALL MAKE EVERY EFFORT TO RECYCLE MATERIALS WHENEVER POSSIBLE.

OPERATION AND MAINTENANCE: TO ASSURE THAT EQUIPMENT AND WORK-RELATED PROCESSES ARE WORKING WELL; THE FOLLOWING PRACTICES CAN BE IMPLEMENTED:

1. ROUTINELY INSPECT EQUIPMENT AND PROCESSES FOR LEAKS OR CONDITIONS THAT COULD LEAD TO DISCHARGES OF CHEMICALS OR CONTACT OF STORMWATER WITH RAW MATERIALS, INTERMEDIATE MATERIALS, WASTE MATERIALS, OR PRODUCTS USED ON SITE.
2. CONTRACTOR SHALL ALLOW A DESIGNATED, CONTAINED PARKING AREA FOR EMPLOYEES AND EQUIPMENT.
3. MAKE SURE ALL EQUIPMENT AND RELATED PROCESSES ARE WORKING PROPERLY AND PREVENTATIVE MAINTENANCE IS KEPT UP WITH ON BOTH.
4. EQUIPMENT SHALL BE WELL-MAINTAINED AND SHALL BE REFUELED AND SERVICED ONLY IN CONTAINED AREAS OF THE SITE. IF POSSIBLE, MAINTENANCE AND REFUELING SHOULD BE DONE OFFSITE.
5. ANY SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY AND WASTE PROPERLY DISPOSED OF. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN A MANNER SPECIFIED BY LOCAL, STATE, OR FEDERAL REGULATIONS OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.
6. ALL ONSITE VEHICLES MUST BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.
7. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

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BROOKINGS PARKS TRAILS 2026
STORMWATER POLLUTION PREVENTION PLAN NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

PROJECT / SHEET TITLE

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13799
DAKOTA
05/07/2026

JOB NO :	24629.00
DATE :	MAY 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

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SCALE REDUCTION BAR

SHEET No. :
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8. CONTRACTOR SHALL USE DRIP PANS, CURBING, SAND FILTERS, OIL/WATER SEPARATORS, OR OTHER CONTROLS TO PREVENT CONTAMINATED WATER RUNOFF.
9. TEMPORARY VEHICLE TRACKING CONTROL SHALL BE CREATED TO REDUCE VEHICLE TRACKING OF SEDIMENTS OFF SITES. THE ENTRANCES WILL BE CLEANED AND MAINTAINED AS NECESSARY. ANY SEDIMENT TRACKED OFF SITE OR ON PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH DAY.
10. EXTERIOR DUST IS TO BE CONTROLLED BY VEGETATION AND WATER IF NECESSARY. PROPER RESPIRATORY EQUIPMENT SHOULD BE USED.
11. VEGETATED AREAS NOT ESSENTIAL TO THE CONSTRUCTION PROJECT WILL BE PRESERVED AND MAINTAINED AS NOTED ON THE PLANS.
12. FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. AVOID APPLYING BEFORE HEAVY RAINS AND NEVER APPLY TO FROZEN GROUND. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
13. ALL PAINT CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR FEDERAL, STATE, AND LOCAL REGULATIONS.
14. CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONLY ON CONTAINED PORTIONS OF THE SITE. THESE AREAS MUST BE APPROPRIATELY IDENTIFIED WITH SIGNAGE AND SHALL NOT CONNECT TO ANY STORMWATER OUTLET OF THE SITE. UPON COMPLETION OF CONSTRUCTION, WASHOUT AREAS WILL BE PROPERLY STABILIZED.

TRAINING AND PARTICIPATION: FREQUENT AND PROPER TRAINING IN GOOD HOUSEKEEPING TECHNIQUES REDUCES THE POSSIBILITY THAT CHEMICALS OR EQUIPMENT WILL BE MISHANDLED. REDUCING WASTE GENERATION IS ANOTHER IMPORTANT POLLUTION PREVENTION TECHNIQUE. THE FOLLOWING ARE WAYS TO GET PEOPLE INVOLVED IN GOOD HOUSEKEEPING PRACTICES:

1. PROVIDE INFORMATION SESSIONS ON GOOD HOUSEKEEPING PRACTICES IN TRAINING PROGRAMS.
2. DISCUSS GOOD HOUSEKEEPING AT MEETINGS.
3. PUBLICIZE POLLUTION PREVENTION CONCEPTS THROUGH POSTERS OR SIGNS.

SPILL RESPONSE

THE PRIMARY OBJECTIVE IN RESPONDING TO A SPILL IS TO QUICKLY CONTAIN THE MATERIAL(S) AND PREVENT OR MINIMIZE MIGRATION INTO STORMWATER RUNOFF AND CONVEYANCE SYSTEMS. IF THE RELEASE HAS IMPACTED ON-SITE STORMWATER, IT IS CRITICAL TO CONTAIN THE RELEASED MATERIALS ON-SITE AND PREVENT THEIR RELEASE INTO RECEIVING WATERS. IF A SPILL OF POLLUTANTS THREATENS STORMWATER OR SURFACE WATER AT THE SITE, THE SPILL RESPONSE PROCEDURES OUTLINED BELOW MUST BE IMPLEMENTED IN A TIMELY MANNER TO PREVENT THE RELEASE OF POLLUTANTS.

THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE TRAINED BY THE CONTRACTOR ON THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE. SPILL RESPONSE EQUIPMENT WILL BE INSPECTED AND MAINTAINED AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.
3. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
4. THE SPILL AREA WILL BE KEPT WELL-VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
5. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE FEDERAL, STATE, OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. CONTRACTOR SHALL USE "WORKSHEET #3- RECORD OF SPILLS AND LEAKS" TO RECORD DATE, MATERIAL, AND QUANTITY OF MATERIAL SPILLED AS WELL AS EFFORTS TO CLEAN UP AND REMOVE WASTE AND PREVENT FUTURE SPILLS. THE APPROPRIATE AGENCY PHONE NUMBERS SHALL BE POSTED ONSITE.
6. THE SPILL PREVENTION PLAN AND/OR STORMWATER POLLUTION PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THIS PERSON WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL BY NAME OR TITLE WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THE TRAINING MUST INCLUDE IDENTIFYING THE LOCATION OF THE SPILL KITS AND OTHER SPILL RESPONSE EQUIPMENT AND THE USE OF SPILL RESPONSE MATERIALS. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.
8. THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE NOTIFIED IMMEDIATELY WHEN A SPILL OR THE THREAT OF A SPILL IS OBSERVED. THE SUPERINTENDENT WILL ASSESS THE SITUATION AND DETERMINE THE APPROPRIATE RESPONSE.
9. IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING EROSION AND SEDIMENT CONTROLS AND ENTERING RECEIVING WATERS, PERSONNEL WILL BE DIRECTED TO RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED. CONTACT SDDANR AT THE PHONE NUMBER ABOVE TO REPORT THE NONCOMPLIANCE.
10. IF OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.
11. IF A SPILL OCCURS, THE SUPERINTENDENT OR THE SUPERINTENDENT'S DESIGNEE WILL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO SDDANR.

SPILL NOTIFICATION

IN THE EVENT OF A SPILL, THE CONTRACTOR'S SITE SUPERINTENDENT WILL MAKE THE APPROPRIATE NOTIFICATION(S), CONSISTENT WITH THE FOLLOWING PROCEDURES:

A RELEASE OR SPILL OF A REGULATED SUBSTANCE (INCLUDES PETROLEUM AND PETROLEUM PRODUCTS) MUST BE REPORTED TO SDDANR IMMEDIATELY IF ANY ONE OF THE FOLLOWING CONDITIONS EXISTS:

1. THE DISCHARGE THREATENS OR IS IN A POSITION TO THREATEN THE WATERS OF THE STATE (SURFACE WATER OR GROUND WATER).
2. THE DISCHARGE CAUSES AN IMMEDIATE DANGER TO HUMAN HEALTH OR SAFETY.
3. THE DISCHARGE EXCEEDS 25 GALLONS.
4. THE DISCHARGE CAUSES A SHEEN ON SURFACE WATER.
5. THE DISCHARGE OF ANY SUBSTANCE THAT EXCEEDS THE GROUND WATER QUALITY STANDARDS OF ARSD (ADMINISTRATIVE RULES OF SOUTH DAKOTA) CHAPTER 74:54:01.
6. THE DISCHARGE OF ANY SUBSTANCE THAT EXCEEDS THE SURFACE WATER QUALITY STANDARDS OF ARSD CHAPTER 74:51:01.
7. THE DISCHARGE OF ANY SUBSTANCE THAT HARMS OR THREATENS TO HARM WILDLIFE OR AQUATIC LIFE.
8. THE DISCHARGE OF CRUDE OIL IN FIELD ACTIVITIES UNDER SDCL (SOUTH DAKOTA CODIFIED LAWS) CHAPTER 45-9 IS GREATER THAN 1 BARREL (42 GALLONS).
9. THE RELEASE OR SPILL IS REQUIRED TO BE REPORTED ACCORDING TO SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III LIST OF LISTS, CONSOLIDATED LIST OF CHEMICALS SUBJECT TO REPORTING UNDER THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT, U.S. EPA.

TO REPORT A RELEASE OR SPILL, CALL SDDANR AT 605-773-3296 DURING REGULAR OFFICE HOURS (8 A.M. TO 5 P.M. CENTRAL TIME). TO REPORT THE RELEASE AFTER HOURS, ON WEEKENDS OR HOLIDAYS, CALL STATE RADIO COMMUNICATIONS AT 605-773-3231. REPORTING THE RELEASE TO SDDANR DOES NOT MEET ANY OBLIGATION FOR REPORTING TO OTHER STATE, LOCAL, OR FEDERAL AGENCIES. THEREFORE, THE RESPONSIBLE PERSON MUST CONTACT LOCAL EMERGENCY RESPONSE AUTHORITIES TO DETERMINE THE LOCAL REPORTING REQUIREMENTS FOR RELEASES. SPILLS SHALL ALSO BE REPORTED TO THE NATIONAL RESPONSE CENTER AT (800) 424-8802.

REPORTING NONCOMPLIANCE

THE CONTRACTOR MUST REPORT ANY NONCOMPLIANCE THAT MAY ENDANGER THE PUBLIC HEALTH OR THE ENVIRONMENT. PROVIDE THE FOLLOWING INFORMATION VERBALLY TO SDDANR WITHIN 24 HOURS OF THE TIME OF BECOMING AWARE OF THE CIRCUMSTANCES:

1. AN UNANTICIPATED BYPASS THAT EXCEEDS AN EFFLUENT LIMIT IN THE GENERAL PERMIT;
2. AN UPSET WHICH EXCEEDS AN EFFLUENT LIMIT IN THE GENERAL PERMIT; OR
3. A VIOLATION OF A MAXIMUM DAILY DISCHARGE LIMIT FOR ANY OF THE POLLUTANTS LISTED BY THE SECRETARY IN THE GENERAL PERMIT.

PROVIDE A WRITTEN REPORT TO SDDANR WITHIN FIVE DAYS AFTER BECOMING AWARE OF THE CIRCUMSTANCES. THE WRITTEN REPORT MUST CONTAIN A DESCRIPTION OF THE NONCOMPLIANCE AND ITS CAUSE; THE PERIOD OF NONCOMPLIANCE, INCLUDING EXACT DATES AND TIME AND, IF THE NONCOMPLIANCE HAS NOT BEEN CORRECTED, THE ANTICIPATED TIME IT IS EXPECTED TO CONTINUE; AND STEPS TAKEN OR PLANNED TO REDUCE, ELIMINATE, AND PREVENT REOCCURRENCE OF THE NONCOMPLIANCE.

MAINTENANCE

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND REPAIRING ALL TEMPORARY EROSION CONTROL, SEDIMENT CONTROL, AND PERMANENT EROSION CONTROL MEASURES UNTIL PERMIT COVERAGE IS TERMINATED BY SDDANR. GENERAL MAINTENANCE REQUIREMENTS ARE LISTED BUT ARE NOT ALL INCLUSIVE AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN TO COMPLY WITH THE GENERAL PERMIT AND SWPPP. THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

1. NO MORE THAN ONE ACRE OR 1,000 LINEAR FEET OF THE SITE SHOULD BE DENUDED AT ONE TIME. IF THIS IS NOT PRACTICABLE, THE CONTRACTOR MUST DOCUMENT THE NEED FOR ADDITIONAL AREA TO BE DENUDED AND INSTALL CONTROLS TO MINIMIZE EROSION AND SEDIMENTATION.
2. BUILT UP SEDIMENT WILL BE REMOVED FROM THE SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
3. SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND, AND TO ENSURE THE SILT FENCE IS PROPERLY TRENCHED IN.
4. SEDIMENT BASINS AND TRAPS WILL BE CHECKED DURING SITE INSPECTIONS AND SEDIMENT REMOVED WHEN DEPTH REACHES NO MORE THAN 50 PERCENT OF THE STRUCTURE'S CAPACITY AND AT THE CONCLUSION OF CONSTRUCTION.
5. CHECK DAMS WILL BE INSPECTED FOR STABILITY AND SEDIMENT WILL BE REMOVED WHEN DEPTH REACHES NO MORE THAN HALF THE HEIGHT OF THE DAM.
6. DRAINAGE CHANNELS/STRUCTURES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
7. TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. THESE AREAS MUST BE RE-SEEDED AND STABILIZED AS NEEDED.
8. REPAIR VEGETATIVE BUFFERS IF THEY BECOME SILT-COVERED, CONTAIN RILLS, OR ARE OTHERWISE RENDERED INEFFECTIVE.
9. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED. CONTRACTOR SHALL MAKE COPIES FOR REUSE.
10. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER BY CONTRACTOR; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED BY CONTRACTOR ON THE SAME DAY OF REPORT. IF THE PROBLEM IS IDENTIFIED AT A TIME IN THE WORKDAY WHEN IT IS TOO LATE TO COMPLETE THE CORRECTIVE ACTIONS, CONTRACTOR MUST INITIATE WORK ON THE FOLLOWING WORKDAY OR BEFORE THE NEXT ANTICIPATED RUNOFF EVENT, WHICHEVER COMES FIRST. CORRECTIVE ACTION LOGS (WORKSHEET #2) SHALL BE MAINTAINED TO DESCRIBE REPAIR, REPLACEMENT, AND MAINTENANCE OF BMPS AS NOTED IN THE MAINTENANCE INSPECTION REPORTS.
11. THE SITE SUPERINTENDENT WILL SELECT INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

INSPECTIONS

THE CONTRACTOR WILL BE REQUIRED TO PERFORM INSPECTIONS ON THE PROJECT AT THE FOLLOWING MINIMUM FREQUENCY UNTIL THE SITE HAS REACHED FINAL STABILIZATION AND PERMIT COVERAGE HAS BEEN TERMINATED BY SDDANR:

1. PRIOR TO THE REMOVAL OF ANY SURFACING OR TOPSOIL.
2. ONCE EVERY SEVEN CALENDAR DAYS (MINIMUM). WHEN RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS AND ALL DISTURBED AREAS OF THE SITE HAVE BEEN TEMPORARILY OR PERMANENTLY STABILIZED, THE INSPECTIONS MAY BE REDUCED TO ONCE A MONTH.
3. WITHIN 24 HOURS AFTER EVERY RAINFALL OF ½ INCH OR GREATER, WHEN POSSIBLE.
4. AFTER A SNOW MELT THAT CAUSES RUNOFF.
5. WITHIN 24 HOURS OF A COMPLAINT BEING MADE TO THE CONTRACTOR OR ENGINEER.

INSPECTIONS MUST INCLUDE THE FOLLOWING AREAS, AT A MINIMUM:

1. VERIFY THAT THE REQUIRED GENERAL PERMIT INFORMATION IS POSTED IN ACCORDANCE WITH SECTION 2.10 OF THE GENERAL PERMIT;
2. ALL AREAS THAT HAVE BEEN CLEARED, GRADED, OR EXCAVATED, AND HAVE NOT YET REACHED FINAL STABILIZATION;
3. ALL SEDIMENT AND EROSION CONTROL MEASURES AND BMPS, INCLUDING INLET PROTECTION;
4. VEGETATED BUFFERS;
5. STOCKPILES, CHEMICAL AND FUEL STORAGE, FERTILIZER AND PESTICIDE STORAGE, AND OTHER MATERIAL, WASTE, BORROW, AND/OR EQUIPMENT STORAGE AND MAINTENANCE AREAS;
6. ALL AREAS WHERE STORMWATER TYPICALLY FLOWS WITHIN THE SITE, INCLUDING DRAINAGE WAYS DESIGNED TO DIVERT, CONVEY, AND/OR TREAT STORMWATER;
7. ALL POINTS OF DISCHARGE FROM THE SITE INCLUDING SURFACE WATERS, DRAINAGE DITCHES, AND CONVEYANCE SYSTEMS; AND,
8. ALL DEWATERING ACTIVITIES AT THE SITE.
9. EXCEPTION: INSPECTIONS ARE NOT REQUIRED IN AREAS THAT, AT THE TIME OF THE INSPECTION, ARE UNSAFE FOR INSPECTION PERSONNEL. A DETAILED DESCRIPTION OF THE SITUATION MUST BE DOCUMENTED IN THE INSPECTION RECORDS EXPLAINING THE REASON THE SITE CONDITIONS PREVENTED THE INSPECTION.

THE INSPECTOR MUST, AT A MINIMUM:

1. CHECK WHETHER ALL EROSION AND SEDIMENT CONTROLS AND BMPS ARE IMPLEMENTED AND FUNCTIONING TO MINIMIZE POLLUTANT DISCHARGES. DETERMINE IF THERE IS A NEED TO REPLACE, REPAIR, OR MAINTAIN ANY CONTROLS.
2. CHECK FOR SPILLS, LEAKS, OR OTHER ACCUMULATION OF POLLUTANTS ON THE SITE, OR FOR THE PRESENCE OF CONDITIONS THAT COULD LEAD TO

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
STORMWATER POLLUTION PREVENTION PLAN NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13398
WILLIAM J. BOLLAR
PLASIUS
SOUTH DAKOTA
05/07/2026

JOB NO :	24629.00
DATE :	MAY 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-9

SPILLS, LEAKS, OR OTHER ACCUMULATIONS OF POLLUTANTS ON SITE. DETERMINE IF ADDITIONAL CONTROLS OR TAKE CORRECTIVE ACTIONS ARE NEEDED TO PREVENT THE DISCHARGE OF THESE POLLUTANTS.

3. DETERMINE IF SITE CONDITIONS HAVE CHANGED AND IF CURRENT CONTROLS ARE STILL EFFECTIVE IN CONTROLLING POLLUTANTS FROM LEAVING THE SITE. IDENTIFY ANY LOCATIONS WHERE NEW OR MODIFIED CONTROL MEASURES ARE NECESSARY.
4. CHECK FOR SIGNS OF EROSION, SCOUR, AND SEDIMENT DEPOSITS THAT HAVE OCCURRED ON OR OFF THE CONSTRUCTION SITE:
   a. INSPECT THE DISCHARGE POINTS AND, WHERE APPLICABLE, THE BANKS OF ANY SURFACE WATERS FLOWING WITHIN PROPERTY BOUNDARIES OR IMMEDIATELY ADJACENT TO THE PROPERTY.
   b. IDENTIFY AREAS WHERE EROSION NEEDS TO BE CORRECTED AND WHERE SEDIMENT NEEDS TO BE REMOVED.
   c. DETERMINE IF CONTROLS ARE NEEDED TO REDUCE THE VELOCITY OF THE DISCHARGE OR PREVENT FURTHER EROSION AND SEDIMENTATION.
5. IF A DISCHARGE IS OCCURRING DURING THE INSPECTION:
   a. IDENTIFY ALL POINTS OF THE PROPERTY WHERE THERE IS A DISCHARGE;
   b. OBSERVE AND DOCUMENT THE VISUAL QUALITY OF THE STORMWATER DISCHARGE AND NOTE THE CHARACTERISTICS OF THE DISCHARGE, INCLUDING COLOR, ODOR, FLOATING, SETTLED, OR SUSPENDED SOLIDS, FOAM, OIL SHEEN, AND OTHER OBVIOUS INDICATORS OF STORMWATER POLLUTANTS; AND
   c. DOCUMENT WHETHER CONTROL MEASURES ARE OPERATING EFFECTIVELY. DESCRIBE ANY CONTROLS THAT ARE NOT CLEARLY OPERATING AS INTENDED OR ARE IN NEED OF MAINTENANCE.
6. IDENTIFY ALL INCIDENTS OF NONCOMPLIANCE
7. BASED ON THE RESULTS OF THE INSPECTION, INITIATE CORRECTIVE ACTION(S) WHERE NEEDED.
8. FOR DEWATERING INSPECTIONS, RECORD:
   a. APPROXIMATE TIMES THAT THE DEWATERING DISCHARGE BEGAN AND ENDED ON THE DAY OF INSPECTION;
   b. ESTIMATES OF THE RATE (IN GALLONS PER DAY) OF DISCHARGE ON THE DAY OF INSPECTION;
   c. WHETHER OR NOT ANY OF THE FOLLOWING INDICATIONS OF POLLUTANT DISCHARGE WERE OBSERVED AT THE POINT OF DISCHARGE TO ANY RECEIVING WATERS FLOWING THROUGH OR IMMEDIATELY ADJACENT TO THE SITE AND/OR TO CONSTRUCTED OR NATURAL SITE DRAINAGE FEATURES OR STORM DRAIN INLETS:
      i. A SEDIMENT PLUME, SUSPENDED SOLIDS, UNUSUAL COLOR, PRESENCE OF ODOR, DECREASED CLARITY, OR PRESENCE OF FOAM; AND/OR
      ii. A VISIBLE SHEEN ON THE WATER SURFACE OR VISIBLE OILY DEPOSITS ON THE BOTTOM OR SHORELINE OF THE RECEIVING WATER.

AN INSPECTION REPORT MUST BE COMPLETED WITHIN 24 HOURS OF COMPLETING THE INSPECTION.

THE ENGINEER RESERVES RIGHT TO PERFORM INSPECTIONS MORE FREQUENTLY THAN IDENTIFIED AND ADDITIONAL INSPECTIONS WILL BE MADE IF OBVIOUS ITEMS OF NON-COMPLIANCE EXIST. IF THE CONTRACTOR FAILS TO ATTEND ANY INSPECTION, IT DOES NOT RELIEVE THEM OF THEIR RESPONSIBILITY TO COMPLY WITH ANY CORRECTIVE OR MAINTENANCE ACTIONS NEEDED.

ITEMS NOTED AS BEING NON-COMPLIANT OR NEEDING MAINTENANCE AS A RESULT OF THE INSPECTIONS MUST BE CORRECTED BEFORE THE NEXT RUNOFF EVENT OR NO LATER THAN SEVEN (7) CALENDAR DAYS AFTER NOTIFICATION, WHICHEVER COMES FIRST. THE SITE SHALL CONTINUE TO BE CONSIDERED IN NON-COMPLIANCE UNTIL THE ISSUE HAS BEEN CORRECTED TO THE SATISFACTION OF THE ENGINEER. FAILURE TO CORRECT ITEMS OF NON-COMPLIANCE OR THOSE NEEDING MAINTENANCE PRIOR TO THE NEXT INSPECTION WILL RESULT IN PRICE ADJUSTMENT TO THE CONTRACT.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

1. WATER FROM WATER LINE FLUSHINGS
2. PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED)
3. WATER USED TO CONTROL DUST
4. WATERS USED TO WASH VEHICLES WITHOUT DETERGENT
5. LANDSCAPE IRRIGATION

NOTICE OF TERMINATION

THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SWPPP UNTIL SDDANR TERMINATES COVERAGE UNDER THE GENERAL PERMIT. THE NOTICE OF TERMINATION (NOT) WILL BE PREPARED BY THE OWNER FOR SUBMITTAL TO THE SDDANR WHEN THE CONTRACTOR NOTIFIES THE OWNER THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, ALL STORMWATER DISCHARGES COVERED BY THE PERMIT ARE ELIMINATED, AND FINAL STABILIZATION HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE FOR WHICH THE PERMITTEE IS RESPONSIBLE. FINAL STABILIZATION MEANS EITHER:

1. VEGETATION HAS BEEN ESTABLISHED THAT PROVIDES A UNIFORM (E.G. EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE NATURAL BACKGROUND VEGETATIVE COVER;
2. PERMANENT NON-VEGETATIVE STABILIZATION METHODS HAVE BEEN IMPLEMENTED TO PROVIDE EFFECTIVE COVER FOR EXPOSED PORTIONS OF THE SITE; OR
3. DISTURBED PORTIONS OF A CONSTRUCTION SITE ON LAND USED FOR AGRICULTURAL PURPOSES MUST BE RETURNED TO PRE-CONSTRUCTION AGRICULTURAL USE.

AREAS DISTURBED THAT WERE NOT PREVIOUSLY USED FOR AGRICULTURAL ACTIVITIES, SUCH AS BUFFER STRIPS IMMEDIATELY ADJACENT TO “WATERS OF THE STATE,” AND AREAS WHICH ARE NOT BEING RETURNED TO THEIR PRE-CONSTRUCTION AGRICULTURAL USE MUST MEET THE FINAL STABILIZATION CRITERIA ABOVE.

ALL TEMPORARY CONSTRUCTION MATERIALS AND WASTE AND WASTE HANDLING DEVICES MUST BE REMOVED AND PROPERLY DISPOSED. ALL EQUIPMENT AND VEHICLES USED DURING CONSTRUCTION MUST BE REMOVED UNLESS INTENDED FOR LONG-TERM USE ON THE SITE.

ALL TEMPORARY CONTROL MEASURES THAT WERE INSTALLED DURING CONSTRUCTION MUST BE REMOVED AND PROPERLY DISPOSED. ALL POTENTIAL POLLUTANT AND POLLUTANT-GENERATING ACTIVITIES ASSOCIATED WITH CONSTRUCTION MUST BE REMOVED.

RECORD KEEPING

THE CONTRACTOR MUST MAINTAIN ONSITE THE FOLLOWING DOCUMENTS. ALTERNATE FORMS MAY BE USED BY THE CONTRACTOR IF APPROVED BY THE OWNER OR ENGINEER:

1. THE SWPPP, INCLUDING ALL CERTIFICATES, REPORTS, RECORDS, OR OTHER INFORMATION REQUIRED BY THE GENERAL PERMIT.
2. A COPY OF THE NOI SUBMITTED TO SDDANR, INCLUDING A COPY OF THE AUTHORIZATION LETTER FROM SDDANR AND ANY OTHER CORRESPONDENCE RELATED TO COVERAGE UNDER THE GENERAL PERMIT.
3. A COPY OF THE GENERAL PERMIT.
4. COPIES OF ALL INSPECTION REPORTS.
5. THE CONTRACTOR SHALL FILL OUT "WORKSHEET #1- SCHEDULE OF GRADING AND CONSTRUCTION ACTIVITIES" TO RECORD WHEN TEMPORARY AND PERMANENT GRADING ACTIVITIES STARTED AND ENDED AND WHEN STABILIZATION BMPS FOLLOWED. THIS COMPLETED WORKSHEET SHALL BE MAINTAINED ONSITE WITH THE SWPPP.
6. CORRECTIVE ACTION LOGS (WORKSHEET #2) SHALL BE MAINTAINED TO DESCRIBE REPAIR, REPLACEMENT, AND MAINTENANCE OF BMPS AS NOTED IN THE MAINTENANCE INSPECTION REPORTS.
7. CONTRACTOR SHALL USE "WORKSHEET #3- RECORD OF SPILLS AND LEAKS" TO RECORD DATE, MATERIAL, AND QUANTITY OF MATERIAL SPILLED AS WELL AS EFFORTS TO CLEAN UP AND REMOVE WASTE AND PREVENT FUTURE SPILLS.
8. THE CONTRACTOR SHALL USE "WORKSHEET #4- SWPPP AMENDMENT LOG" TO RECORD ALL CHANGES MADE TO THE SWPPP DUE TO WEATHER CONDITIONS, CHANGING SITE CONDITIONS, AND AS DIRECTED BY THE SDDANR, ENGINEER, OR OWNER IN THE BEST INTERESTS OF STORMWATER AND POLLUTION MANAGEMENT. CONTRACTOR SHALL LOG UPDATES TO THE SWPPP, INCLUDING ADDITIONS OF NEW BMPS, REPLACEMENT OF FAILED BMPS, SIGNIFICANT CHANGES IN THE ACTIVITIES OR THEIR TIMING ON THE PROJECT, CHANGES IN PERSONNEL, CHANGES IN INSPECTION AND MAINTENANCE PROCEDURES, UPDATES TO SITE MAPS, ETC.

MODIFICATIONS TO THE SWPPP

THE ENGINEER MAY ORDER CHANGES TO THE SWPPP AND/OR THE CONTRACTOR IS RESPONSIBLE TO REQUEST CHANGES TO THE SWPPP IF UNFORESEEN CHANGES OCCUR, OR THE SWPPP DOES NOT PERFORM AS INTENDED, OR TO IMPROVE THE EFFECTIVENESS OF THE SWPPP, OR TO COMPLY WITH THE SDDANR PERMIT. THE ENGINEER WILL EVALUATE AND DETERMINE IF ANY CONTRACTOR REQUESTED CHANGES TO THE SWPPP SHOULD BE MADE. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THESE CHANGES AS SOON AS PRACTICAL, BEFORE THE NEXT RUNOFF EVENT OR NO LATER THAN SEVEN (7) CALENDAR DAYS AFTER NOTIFICATION. ALL APPROVED CHANGES TO THE SWPPP MUST BE DOCUMENTED BY THE CONTRACTOR.

KEEPING THE SWPPP CURRENT

THE CONTRACTOR WILL BE RESPONSIBLE TO MAINTAIN AN ORIGINAL COPY OF THE SWPPP. ANY MODIFICATIONS TO THE SWPPP MUST BE DOCUMENTED AND MADE PART OF THE SWPPP. ANY MODIFICATIONS MUST BE RECORDED ON WORKSHEET #4.

RETENTION OF RECORDS

THE OWNER OR CONTRACTOR SHALL MAKE SWPPP AVAILABLE TO SDDANR, U.S. EPA, OR THE LOCAL STORM SEWER OPERATOR UPON REQUEST.

OWNER SHALL RETAIN COPIES OF THE SWPPP ALONG WITH OTHER GENERAL PERMIT DOCUMENTATION AS DEFINED IN SECTION 7.3 OF THE GENERAL PERMIT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE COVERAGE UNDER THE GENERAL PERMIT IS TERMINATED. SDDANR MAY EXTEND THE TIME PERIOD FOR RETAINING RECORDS WITH A WRITTEN NOTIFICATION.

ALL DOCUMENTS REQUIRED TO BE SUBMITTED BY THE GENERAL PERMIT SHALL BE SUBMITTED TO THE SDDANR BY EMAIL (STORMWATER@STATE.SD.US), OR TO THE ADDRESS BELOW:

SD DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES
WATER QUALITY PROGRAM
523 EAST CAPITOL
PIERRE, SD 57501

TRAINING

TRAINING SHALL BE PROVIDED BY THE CONTRACTOR FOR THEIR EMPLOYEES AS NECESSARY TO ENSURE COMPLIANCE WITH THE SWPPP.

TRAINING BY THE CONTRACTOR FOR EMPLOYEES AND RESPONSIBLE PARTIES MUST BE PROVIDED AT LEAST ANNUALLY, AS NEW EMPLOYEES OR RESPONSIBLE PARTIES ARE HIRED, OR AS NECESSARY TO ENSURE COMPLIANCE WITH THE SWPPP.

OWNER SIGNATURE

THIS SWPPP APPEARS TO FULFILL THE TECHNICAL CRITERIA FOR EROSION CONTROL AND THE REQUIREMENTS OF THE SOUTH DAKOTA DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES. I UNDERSTAND THAT ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN EROSION PROBLEMS OCCUR OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE PRIMARY RESPONSIBLE PARTY UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME: JOSHUA BAUMAN (CITY OF BROOKINGS
PRINTED NAME

SIGNED: _____
OWNER DATE

PRIME CONTRACTOR SIGNATURE

THE “DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES - CONTRACTOR CERTIFICATION FORM” IS TO BE EXECUTED BY THE PRIME CONTRACTOR OR THE CONTRACTOR'S DESIGNATED REPRESENTATIVE. WORK MAY NOT BEGIN ON THE PROJECT UNTIL THIS SECTION IS SIGNED.

HTTPS://DANR.SD.GOV/OFFICEOFWATER/SURFACEWATERQUALITY/DOCS/DANR_CGPAPPENDIXCCA2018FILLABLE.PDF

THE FORM CERTIFIES UNDER PENALTY OF LAW THAT THE CONTRACTOR UNDERSTANDS AND WILL COMPLY WITH THE TERMS AND CONDITIONS OF THE SURFACE WATER DISCHARGE GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FOR THE PROJECT.

I AM ACKNOWLEDGING THE REVIEW AND ACCEPTANCE OF RESPONSIBILITY AS THE PRIMARY RESPONSIBLE PARTY FOR THE INSTALLATION, MAINTENANCE, AND PROPER FUNCTION OF THIS SWPPP.

NAME: _____
PRINTED NAME

SIGNED: _____
CONTRACTOR DATE

DESIGN ENGINEER SIGNATURE

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF SOUTH DAKOTA.

NAME: WAYLON BLASIUS, PE (BANNER ASSOCIATES)
PRINTED NAME

SIGNED: _____
ENGINEER DATE

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
STORMWATER POLLUTION PREVENTION PLAN NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13799
WAYLON J. BLASIUS
05/07/2026

JOB NO :	24629.00
DATE :	MAY 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-10

TEMPORARY EROSION CONTROL MEASURES

INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES

THE CONTRACTOR SHALL NOT BEGIN THE REMOVAL OF SURFACING OR TOPSOIL WITHIN THE APPLICABLE WORK AREA UNTIL THE APPLICABLE DOWNGRADIENT EROSION AND SEDIMENT CONTROL MEASURES ARE PLACED. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY AS CONSTRUCTION PROGRESSES AND THESE TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED WITHIN 24 HOURS AT LOCATIONS IDENTIFIED ON THE SWPPP.

EROSION CONTROL BLANKET

CONSTRUCTION REQUIREMENTS: THE SOIL SHALL BE PREPPED BY LOOSENING THE SOIL AND BREAKING UP CLUMPS OF SOIL. EROSION CONTROL BLANKET WILL BE INSTALLED 16 FEET WIDE AT THE LOCATIONS NOTED IN THE TABLE AND AT LOCATIONS DETERMINED BY THE ENGINEER DURING CONSTRUCTION. EROSION CONTROL BLANKET SHALL BE TOED IN AND STAPLED DOWN ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. THE BLANKET SHALL BE OVERLAPPED BY 2 TO 6 INCHES. THE APPROVED PRODUCT LIST FOR EROSION CONTROL BLANKET MAY BE VIEWED AT THE FOLLOWING INTERNET SITE:

HTTPS://APPS.SD.GOV/HC60APPROVEDPRODUCTS/MAIN.ASPX

MAINTENANCE: DAMAGED AREAS SHOULD BE REPAIRED IMMEDIATELY UNTIL THE VEGETATION IS ESTABLISHED AND GROWING THROUGH THE MATERIAL. EROSION CONTROL BLANKET SHALL BE PLACED IN LOCATIONS AS SHOWN IN THE PLANS AND LOCATIONS DETERMINED BY THE ENGINEER ON CONSTRUCTION.

SEDIMENT CONTROL MEASURES

INSTALLATION OF SEDIMENT CONTROL MEASURES

THE CONTRACTOR SHALL NOT BEGIN THE REMOVAL OF SURFACING OR TOPSOIL WITHIN THE APPLICABLE WORK AREA UNTIL ALL APPLICABLE SEDIMENT CONTROL MEASURES ARE PLACED. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY AS CONSTRUCTION PROGRESSES AND THESE SEDIMENT CONTROL DEVICES SHALL BE INSTALLED WITHIN 24 HOURS AT LOCATIONS IDENTIFIED ON THE SWPPP.

EFFECTIVE SEDIMENT CONTROLS MUST BE INSTALLED FOR ANY SIDESLOPE BOUNDARIES AND DOWN GRADIENT OF THE CONSTRUCTION SITE.

SILT FENCE

CONSTRUCTION REQUIREMENTS: THE BOTTOM OF THE SILT FENCE MATERIAL MUST BE ENTRENCHED INTO THE GROUND. SILT FENCE IS PLACED BEFORE EARTH DISTURBING ACTIVITIES HAVE BEGUN AND LEFT IN PLACE UNTIL VEGETATION IS ESTABLISHED.

MAINTENANCE REQUIREMENTS: AREAS OF DAMAGE INCLUDING WATER DAMAGE, FABRIC TEARS, AND FAILURES SHALL BE REPAIRED. IF ACCUMULATED SEDIMENT REACHES ONE-THIRD THE HEIGHT OF THE FENCE, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED. IF THE ACCUMULATED SEDIMENT REACHES ONE HALF OF THE HEIGHT OF THE FENCE, THE SEDIMENT MUST BE REMOVED AND NEW SILT FENCE SHALL BE INSTALLED, IF NEEDED. WHEN SITE CONDITIONS REQUIRE THAT SILT FENCE BE CLEANED AND MUCKED OUT, RATHER THAN REPLACED, CARE MUST BE TAKEN TO ENSURE THE EXISTING SILT FENCE IS NOT DAMAGED.

MUCKING SILT FENCE IS THE REMOVAL OF MUCK TRAPPED BY THE SILT FENCE AS DESCRIBED ABOVE. REMOVED MUCK SHOULD BE SPREAD OUT AND STABILIZED WITHIN THE PROJECT'S LIMITS OR AT AN ALTERNATE LOCATION APPROVED BY THE ENGINEER.

REPAIR SILT FENCE SHALL CONSIST OF REPAIRING SILT FENCE TO MEET INSTALLATION REQUIREMENTS SPECIFIED IN THE SWPPP.

STREET SWEEPING

CONSTRUCTION REQUIREMENTS: STREET SWEEPING IS REQUIRED DURING CONSTRUCTION AND BEFORE FINAL COMPLETION OF WORK TO KEEP STREETS ADJACENT TO AND WITHIN THE PROJECT AREA CLEAN. THE MINIMUM EQUIPMENT TO BE USED FOR STREET SWEEPING SHALL BE A SKID LOADER WITH A PICKUP BROOM ATTACHMENT OR APPROVED EQUAL. MUD AND SEDIMENT TRACKED ONTO ANY OF THE ADJACENT ROADS SHALL BE REMOVED BY THE END OF THE WORKDAY.

MAINTENANCE: SWEEPING SHALL BE PERFORMED AS NEEDED TO REMOVE TRACKED MUD AND SEDIMENT FROM THE ROADWAY. DAILY SWEEPING MAY BE NECESSARY IF PROJECT CONDITIONS WARRANT. DO NOT SWEEP OR HOSE OUT MUD OR SEDIMENT INTO STORM DRAIN INLETS, CULVERTS, SURFACE WATERS, OR ANY OTHER STORMWATER CONVEYANCE.

INLET PROTECTION

CONSTRUCTION REQUIREMENTS: BEFORE CONSTRUCTION BEGINS, INSTALL INLET PROTECTION ON ALL STORM DRAIN INLETS THAT COULD RECEIVE RUNOFF FROM THE CONSTRUCTION SITE.

MAINTENANCE REQUIREMENTS: ACCUMULATED SEDIMENT SHOULD BE REMOVED AND DISPOSED OF ON SITE. DEVICE SHOULD BE CLEANED OR REPLACED IF STANDING WATER IS EVIDENT 48 HOURS AFTER A RAIN EVENT. DAMAGED DEVICES MUST BE REPAIRED OR REPLACED. REMOVE ACCUMULATED SEDIMENT BEFORE REMOVING THE INLET PROTECTION.

VEGETATIVE BUFFER

A VEGETATIVE BUFFER IS AN AREA OF UNDISTURBED NATURAL COVER SURROUNDING SURFACE WATER WITHIN WHICH CONSTRUCTION ACTIVITIES ARE RESTRICTED. DELINEATE AND CLEARLY MARK ALL NATURAL BUFFER AREAS WITH FLAGS, TAPE, OR OTHER SIMILAR MARKING DEVICES. A 50-FOOT UNDISTURBED NATURAL BUFFER MUST BE MAINTAINED WHERE POSSIBLE.

MAINTENANCE: REPAIR VEGETATIVE BUFFERS IF THEY BECOME SILT-COVERED, CONTAIN RILLS, OR ARE OTHERWISE RENDERED INEFFECTIVE.

DUST CONTROL

MINIMIZE THE GENERATION OF DUST AT THE CONSTRUCTION SITE TO AVOID POLLUTANTS FROM BEING DEPOSITED INTO SURFACE WATERS OF THE STATE. THIS CAN BE ACCOMPLISHED THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES.

SEDIMENT CONTROL WATTLE

CONSTRUCTION REQUIREMENTS: THE CONTRACTOR SHALL PROVIDE CERTIFICATION THAT THE SEDIMENT CONTROL WATTLES DO NOT CONTAIN NOXIOUS WEED SEEDS.

MAINTENANCE: SEDIMENT MUST BE REMOVED ON A ROUTINE BASIS WHEN THE LEVEL OF SEDIMENTATION REACHES ONE-HALF THE HEIGHT OF THE EXPOSED WATTLE. DAMAGED AREAS SHOULD BE REPAIRED BY THE END OF THE WORKDAY UNTIL THE VEGETATION IS ESTABLISHED AND GROWING THROUGH THE MATERIAL.

MATERIALS: THE EROSION CONTROL WATTLE SHALL BE 12" DIAMETER WITH BIODEGRADABLE NETTING AND SELECTED FROM THE MANUFACTURERS LISTED BELOW, OR APPROVED EQUAL:

MANUFACTURER	PRODUCT NAME
AMERICAN EXCELSIOR COMPANY CURLEX SEDIMENT LOG ARLINGTON, TX PHONE: 1-800-777-7645 *WWW.AMERICANEXCELSIOR.COM*	
WESTERN EXCELSIOR CORPORATION ASPEN FIBER LOGS AND STRAW LOGS MANCOS, CO PHONE: 1-800-833-8573 *WWW.WESTERNEXCELSIOR.COM*	
R.H. DYCK INC. WINTERS, CA PHONE: 1-530-662-7700 *WWW.EARTH-SAVERS.COM*	EARTH-SAVER RICE STRAW WATTLES

PERMANENT EROSION CONTROL MEASURES

INSTALLATION OF PERMANENT EROSION CONTROL MEASURES

THIS WORK SHALL BE DONE AS SOON AS POSSIBLE AFTER FINISH GRADING AND TOPSOIL PLACEMENT IS COMPLETED, AND IF PRACTICAL, PRIOR TO SEEDING, FERTILIZING, AND MULCHING OF ADJACENT AREAS. AT A MINIMUM, THE WORK MUST BE COMPLETED WITHIN THE TIMEFRAMES LISTED WITHIN THE SOIL SURFACE STABILIZATION PRACTICES NOTES.

TOPSOIL

THE FOLLOWING INFORMATION IS TO PROVIDE AN INFORMATIONAL GUIDELINE TO THE CONTRACTOR REGARDING TOPSOIL PLACEMENT AND THE SWPPP. WHERE FEASIBLE, PRESERVE THE NATIVE TOPSOIL. TOPSOIL PLACEMENT LOCATIONS MUST BE DETAILED ON THE SITE MAP. GENERALLY, TOPSOIL WILL BE PLACED OVER ALL DISTURBED AREAS TO A DEPTH OF 6 INCHES. THE PLACEMENT OF THE TOPSOIL SHALL BE AS SOON AS POSSIBLE UPON COMPLETION OF THE GRADING OPERATIONS.

SEEDING AND FERTILIZING

THE CONTRACTOR SHALL PROVIDE CERTIFICATION THAT THE SEED MIX FOR FINAL STABILIZATION DOES NOT CONTAIN NOXIOUS WEED SEEDS.

CONSTRUCTION REQUIREMENTS: SEE PROJECT MANUAL AND GENERAL NOTES FOR SPECIFICATIONS.

HYDROMULCHING

FIBER MULCHING SHALL BE USED IN INSTANCES WHEN SEEDING WILL BE WELL ESTABLISHED WITHIN THE 45-DAY MAINTENANCE PERIOD. IF THE SEED WILL NOT BE ESTABLISHED WITHIN THE 45-DAY MAINTENANCE PERIOD, THE AREA WILL BE DORMANT SEEDED, OR IF IT IS IN A CHALLENGING AREA (I.E. STEEP SLOPES, SWALES, ETC.), USE BONDED FIBER MATRIX INSTEAD.

CONSTRUCTION REQUIREMENTS: SEE PROJECT MANUAL FOR SPECIFICATIONS.

MATERIALS: THE FIBER MULCHING PROVIDED SHALL BE FROM THE APPROVED PRODUCT LIST. THE APPROVED PRODUCT LIST FOR FIBER MULCH MAY BE VIEWED AT THE FOLLOWING INTERNET SITE:

HTTPS://APPS.SD.GOV/HC60APPROVEDPRODUCTS/MAIN.ASPX

APPROPRIATE DOCUMENTATION SHALL BE GIVEN TO THE ENGINEER FOR PRIOR APPROVAL BEFORE APPLICATION.

MAINTENANCE: BARE SPOTS OR LOCATIONS OF EROSION SHOULD BE REPAIRED AND RE-SEEDED AT NO ADDITIONAL COST TO THE OWNER.

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
STORMWATER POLLUTION PREVENTION PLAN NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13268
WILLIAM J. BLASIUS
05/07/2026

JOB NO :	24629.00
DATE :	MAY 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-11

WORKSHEET #1 – SCHEDULE OF GRADING & CONSTRUCTION ACTIVITIES

INSTRUCTIONS: DESCRIBE THE GRADING & CONSTRUCTION ACTIVITIES THAT TOOK PLACE ON SITE, INCLUDING THE DATES STARTED AND ENDED AND THE DATE STABILIZATION BMP WAS COMPLETED.
DEADLINE TO COMPLETE TEMPORARY STABILIZATION - AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER INITIATING SOIL STABILIZATION MEASURES, AS STATED IN THE GENERAL PERMIT SECTION 3.18.

DATE ACTIVITY STARTED	DESCRIPTION OF ACTIVITY	LOCATION	GRADING ACTIVITY CEASED (DATE)	DATE STABILIZATION INITIATED	DESCRIPTION OF STABILIZATION

NOTE: CONTRACTOR SHALL MAKE ADDITIONAL COPIES OF THIS SHEET AS NEEDED FOR RECORD KEEPING; OR MAINTAIN INDIVIDUAL RECORDS TO MEET THE REQUIREMENTS OF THE GENERAL PERMIT.

WORKSHEET #2 – INSPECTION AND CORRECTIVE ACTION LOG

INSTRUCTIONS: NOTE THE DATE OF EACH INSPECTION, ANY DEFICIENCIES IN BMPS, AND THE CORRECTIVE ACTIONS TAKEN TO RESTORE BMPS FUNCTION. A SUMMARY OF YOUR INSPECTION FINDINGS, COVERING, AT A MINIMUM, THE OBSERVATIONS YOU MADE AS REQUIRED IN SECTIONS 4.4. AND 4.5 OF THE GENERAL PERMIT. IF AN INSPECTION DOES NOT IDENTIFY ANY INCIDENTS OF NONCOMPLIANCE, INCLUDE A STATEMENT IN THE REPORT THAT THE SITE IS IN COMPLIANCE WITH THE SWPPP AND THE GENERAL PERMIT.

INSPECTION DATE AND TIME	RAINFALL AMOUNT	INSPECTOR NAME	DESCRIPTION OF BMP DEFICIENCY	LOCATION	CORRECTIVE ACTION REQUIRED	ACTION CORRECTED	
						DATE	INITIALS

NOTE: CONTRACTOR SHALL MAKE ADDITIONAL COPIES OF THIS SHEET AS NEEDED FOR RECORD KEEPING; OR MAINTAIN INDIVIDUAL RECORDS TO MEET THE REQUIREMENTS OF THE GENERAL PERMIT

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BROOKINGS PARKS TRAILS 2026
STORMWATER POLLUTION PREVENTION PLAN NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13292
WILLIAM J. BLASIUS
05/07/2026

JOB NO :	24629.00
DATE :	MAY 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-12

WORKSHEET #3- RECORD OF SPILLS AND LEAKS							
INSTRUCTIONS: RECORD BELOW ALL SPILLS AND SIGNIFICANT LEAKS OF TOXIC OR HAZARDOUS POLLUTANTS THAT HAVE OCCURRED ON SITE; SIGNIFICANT SPILLS INCLUDE, BUT ARE NOT LIMITED TO, RELEASES OF OIL OR HAZARDOUS SUBSTANCES IN EXCESS OF REPORTABLE QUANTITIES							
DATE	LEAK/SPILL	LOCATION	TYPE OF LIQUID	AMOUNT	SOURCE AND CAUSE	RESPONSE PROCEDURE	PREVENTATIVE MEASURES TAKEN

TO REPORT A RELEASE OR SPILL, CALL SDDANR AT 605-773-3296 DURING REGULAR OFFICE HOURS (8 A.M. TO 5 P.M. CENTRAL STANDARD TIME). TO REPORT THE RELEASE AFTER HOURS, ON WEEKENDS OR HOLIDAYS, CALL SOUTH DAKOTA EMERGENCY MANAGEMENT AT 605-773-3231. REPORTING THE RELEASE TO SDDANR DOES NOT MEET ANY OBLIGATION FOR REPORTING TO OTHER STATE, LOCAL, OR FEDERAL AGENCIES. THEREFORE, YOU MUST ALSO CONTACT LOCAL AUTHORITIES TO DETERMINE THE LOCAL REPORTING REQUIREMENTS FOR RELEASES. A WRITTEN REPORT OF THE UNAUTHORIZED RELEASE OF ANY REGULATED SUBSTANCE, INCLUDING QUANTITY DISCHARGED AND THE LOCATION OF THE DISCHARGE SHALL BE SENT TO SDDANR WITHIN 14 DAYS OF THE DISCHARGE.

SPILLS ARE SUBJECT TO THE FEDERAL REPORTING REQUIREMENTS OF 40 CFR PART 110, PART 117, AND PART 302 RELATING TO SPILLS OR OTHER RELEASES OF OILS OR HAZARDOUS SUBSTANCES. YOU MUST REPORT SPILLS IN EXCESS OF THE REPORTABLE QUANTITIES AS REQUIRED IN SECTION 7.1 OF THE STORMWATER GENERAL PERMIT.

WORKSHEET #4 – SWPPP AMENDMENT LOG				
INSTRUCTIONS: DESCRIBE CHANGES TO THE SWPPP				
AMENDMENT NUMBER	DESCRIPTION	REASON	DATE	AUTHORIZED BY

NOTE: CONTRACTOR SHALL MAKE ADDITIONAL COPIES OF THIS SHEET AS NEEDED FOR RECORD KEEPING; OR MAINTAIN INDIVIDUAL RECORDS TO MEET THE REQUIREMENTS OF THE GENERAL PERMIT.

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BROOKINGS PARKS TRAILS 2026
STORMWATER POLLUTION PREVENTION PLAN NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13268
BLASIUS
05/07/2026

JOB NO :	24629.00
DATE :	MAY 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-13

ROUTINE ON-SITE STORMWATER INSPECTION CHECKLIST

General Information			
Project Name		Stormwater Permit Number	
Inspector / Title		Location	
Date and Time		Weather at the time of inspection?	Choose an item.

Weather Information			
Date of last precipitation Amount of last precipitation		Type of inspection?	☐ 7 calendar day ☐ Storm event greater than ½" ☐ Complaint
Sediment discharging offsite?	☐ Yes ☐ No	Was stormwater flowing during the inspection?	☐ Yes ☐ No
Dewatering activities occurring?	☐ Yes ☐ No Choose an item.	If Yes to above question, where was it flowing?	☐ Onsite ☐ offsite

Best Management Practices (BMPs)

	Type of BMP installed	Maintenance needed?	Required corrective actions and notes
☐	Silt fence	☐ Yes ☐ No	
☐	Erosion wattles	☐ Yes ☐ No	
☐	Erosion blankets	☐ Yes ☐ No	
☐	Rock check dams	☐ Yes ☐ No	
☐	Sediment basin	☐ Yes ☐ No	
☐	Inlet protection	☐ Yes ☐ No	
☐	Outlet protection	☐ Yes ☐ No	
☐	Stabilized construction entrance	☐ Yes ☐ No	
☐	Surface roughening	☐ Yes ☐ No	
☐	Seeding	☐ Yes ☐ No	
☐	Mulching	☐ Yes ☐ No	
☐	Vegetated buffer	☐ Yes ☐ No	
☐	Other – describe:	☐ Yes ☐ No	
	Additional controls needed?	☐ Yes ☐ No	

Site Observation

Observations		Corrective action needed and SWPPP update notes
Is general permit posted as required by section 2.10	☐ Yes ☐ No	
Are all disturbed areas not actively being worked properly stabilized?	☐ Yes ☐ No ☐ N/A	
Are locations where vehicles enter and exit the site properly maintained?	☐ Yes ☐ No	
Is there vehicle track-out?	☐ Yes ☐ No	
Has sediment been discharged off site?	☐ Yes ☐ No	
Are discharge points and receiving waters free of sediment deposits?	☐ Yes ☐ No	
Is debris from work area collected and placed in covered dumpsters?	☐ Yes ☐ No	
Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or other pollutants?	☐ Yes ☐ No ☐ N/A	
Is there evidence of any other spills, leaks, or accumulation of pollutants on the site? if yes, are additional controls needed to prevent a discharge?	☐ Yes ☐ No ☐ Yes ☐ No ☐ N/A	
Do materials that are potential stormwater contaminants have BMPs? ☐ Stockpiles ☐ Fertilizer Storage ☐ Chemical Storage ☐ Pesticide Storage ☐ Fuel Storage ☐ Equipment Storage ☐ Maintenance Areas	☐ Yes ☐ No	
Does upstream drainage or stormwater need to be diverted around or away from the site?	☐ Yes ☐ No	
Is there evidence of scour, erosion, or sediment deposits?	☐ Yes ☐ No	
SWPPP need updating?	☐ Yes ☐ No	
Other observations?	☐ Yes ☐ No	

Compliance certification (check only one)

☐ With the maintenance and improvement actions noted, the site is in compliance with the SWPPP and SD general permit for construction activities

☐ The site is in potential noncompliance with the SWPPP or the general permit for construction activities.

Describe the potential noncompliance issue(s) e.g. repeated failure of a BMP, failure to install a required BMP, a visible off-site discharge of material (silt, sand, concrete washout, oily water, etc.), potential off-site discharges, or potential BMP failures (attach additional pages if needed):

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE _____ DATE _____

PRINTED NAME _____ PRINTED TITLE _____

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
STORMWATER POLLUTION PREVENTION PLAN NOTES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13209
WILLIAM J. BLASIUS
05/07/2026

JOB NO :	24629.00
DATE :	MAY 2026
ENG / ARCH :	WJB
DESIGNER :	EJK
TECHNICIAN :	EJK

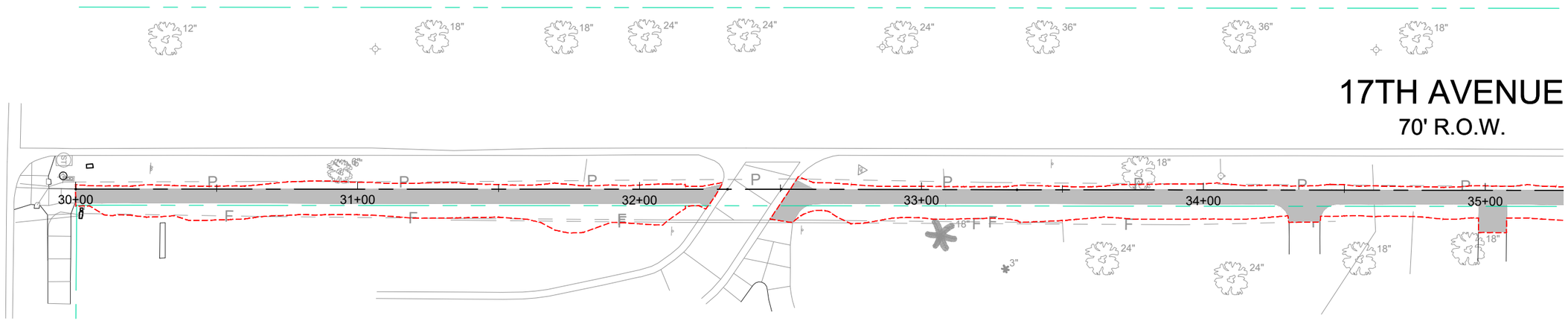
0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
G-14

0 20 40 FT

17TH AVENUE

70' R.O.W.

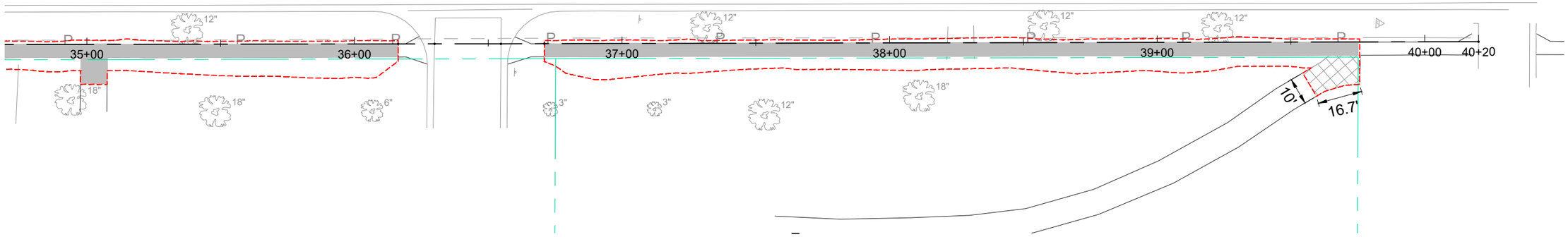


REMOVAL LEGEND
REMOVE CONCRETE SIDEWALK
REMOVE ASPHALT CONCRETE

QUANTITIES
25 S.Y. - REMOVE ASPHALT CONCRETE
519 S.Y. - REMOVE CONCRETE SIDEWALK

H AVENUE

70' R.O.W.



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BROOKINGS PARKS TRAILS 2026
REMOVALS - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

PROJECT / SHEET TITLE :

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WILLIAM J. BLASIUS
05/07/2026

JOB No,:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
H-1

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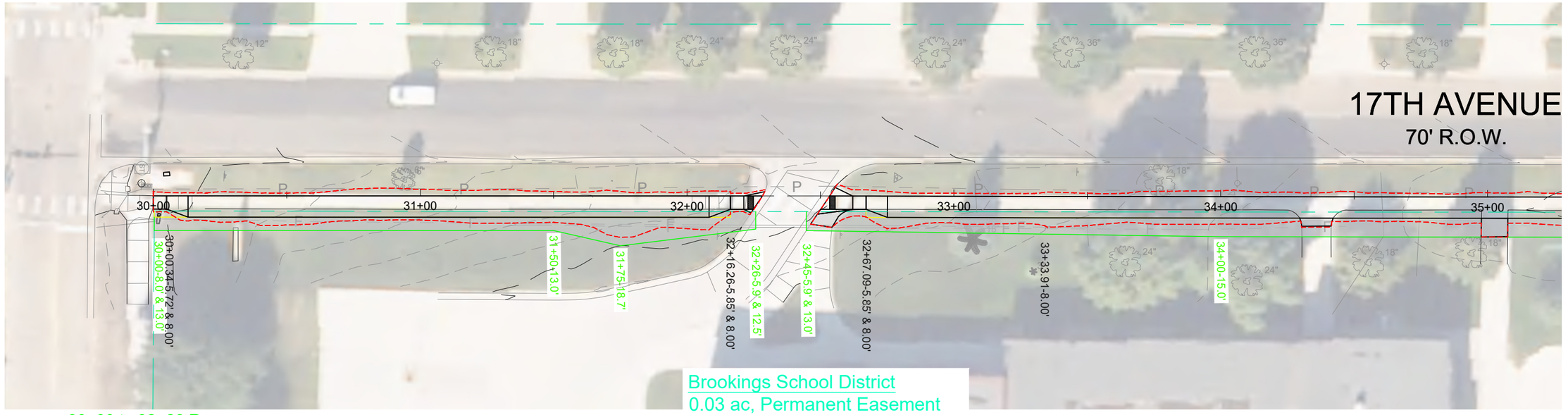
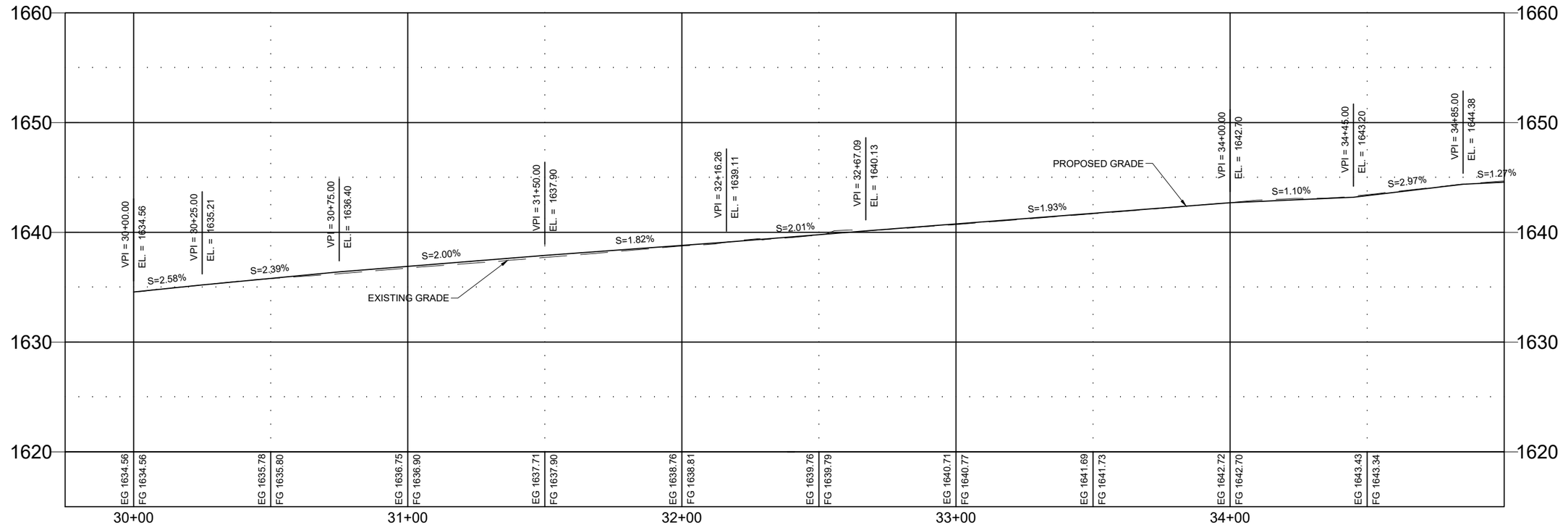
0 20 40 FT



30+00 to 32+26 R
Temporary Easement containing
1349 sq ft, more or less

Brookings School District
0.03 ac, Permanent Easement
(1284 sq ft), more or less



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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
PLAN & PROFILE - 30+00 TO 35+00 - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

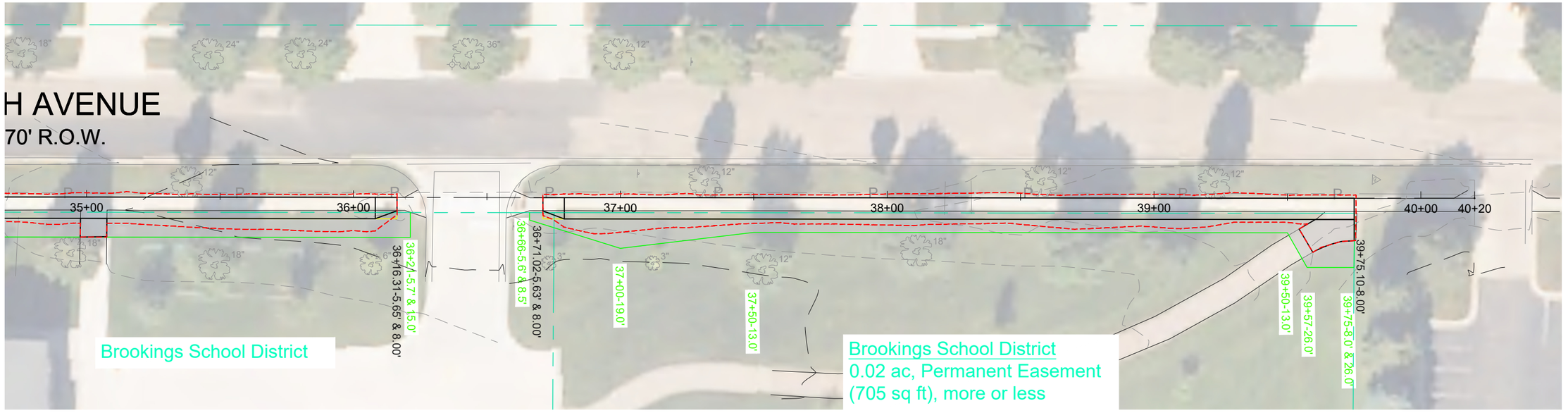
REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13288
WILLIAM J. BLASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

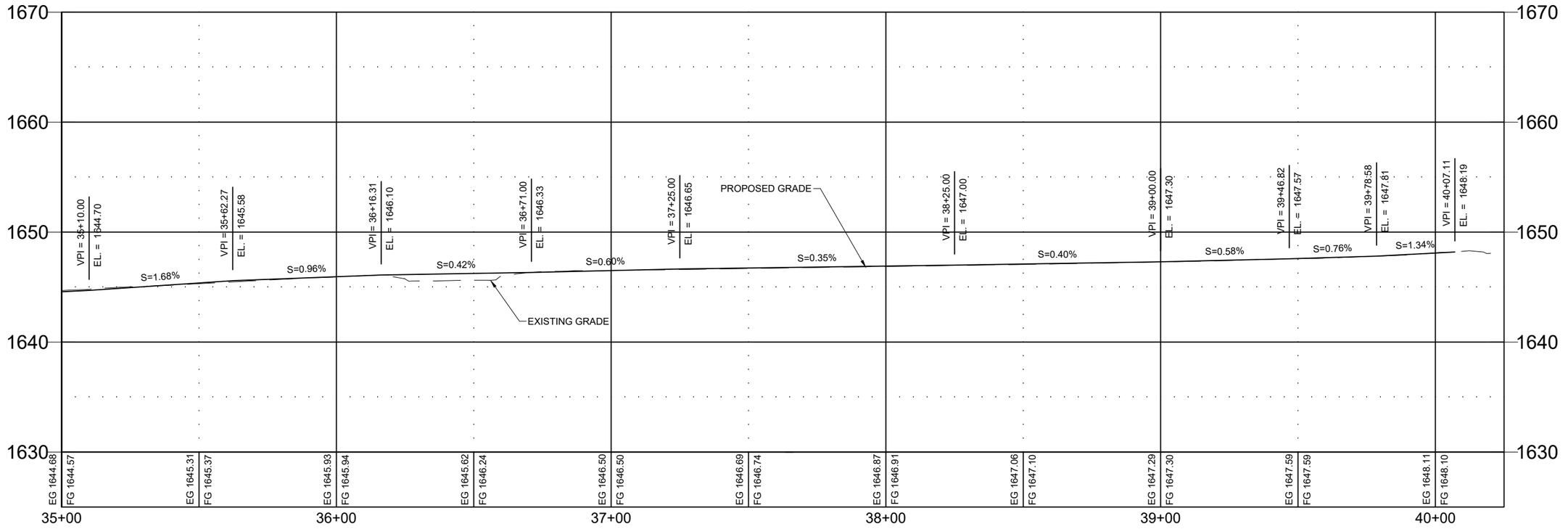
0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
I-1



32+45 to 36+21 R
Temporary Easement containing
2539 sq ft, more or less

36+66 to 39+75 R
Temporary Easement containing
2008 sq ft, more or less



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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
PLAN & PROFILE - 35+00 TO 40+00 - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13288
DAKOTA
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

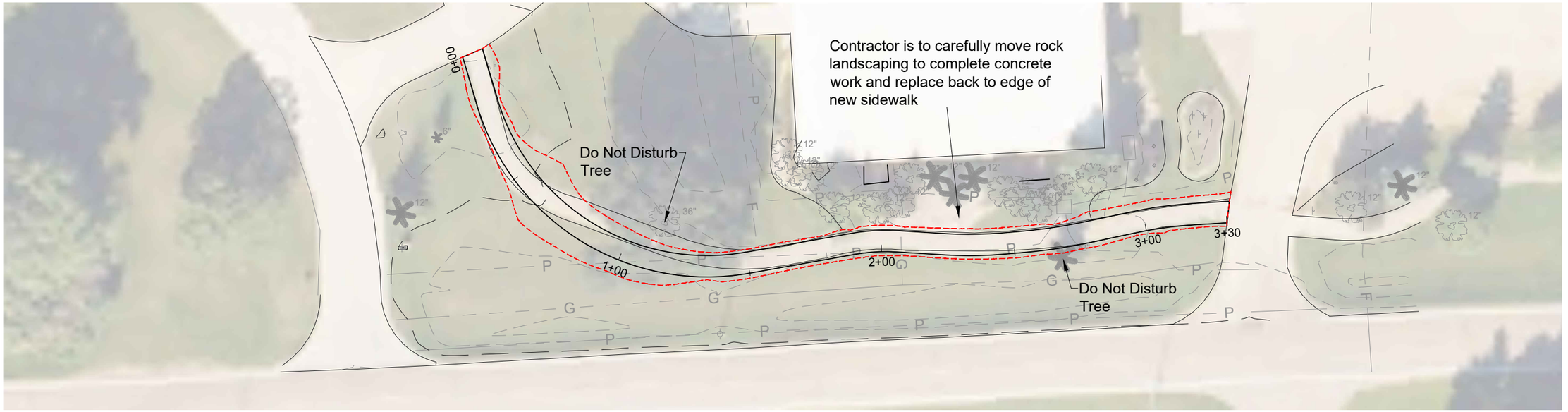
0 1/2" 1"
SCALE REDUCTION BAR

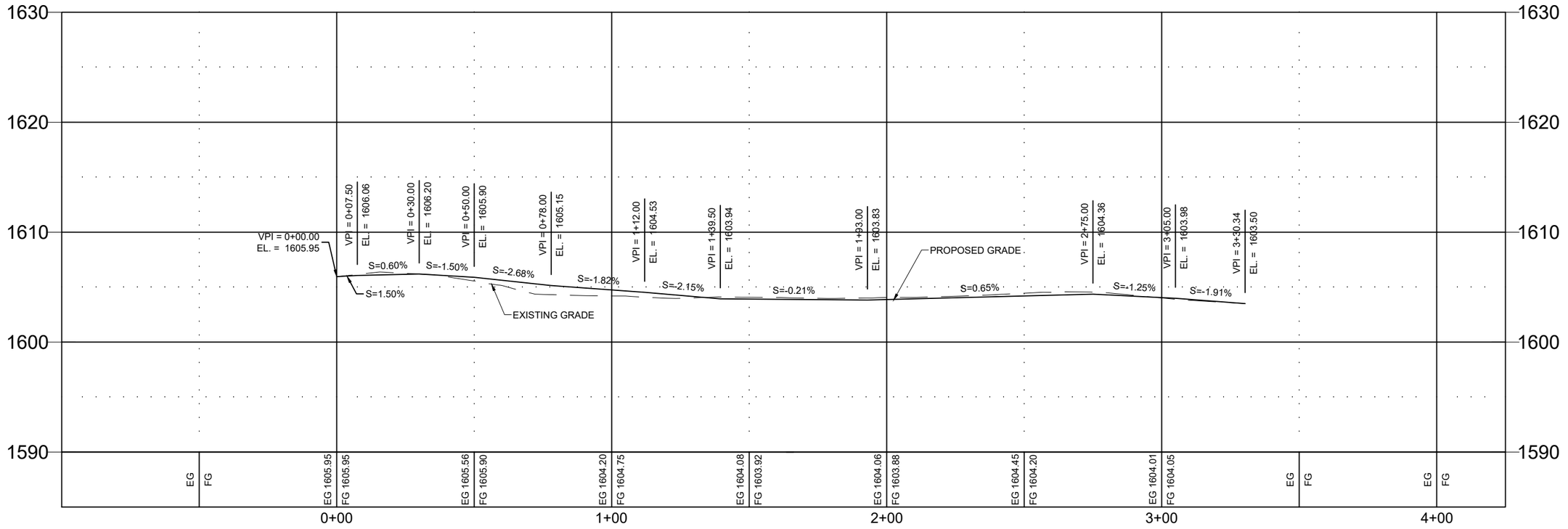
SHEET No. :
I-2

Removal of Existing Trail Completed by Others

Contractor shall notify Owner a minimum of two weeks in advance of mobilizing to site to allow for trail removal by Owner.

0 20 40 FT





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PROJECT / SHEET TITLE:

BROOKINGS PARKS TRAILS 2026

PLAN & PROFILE - 0+00 TO 3+30 - OUTDOOR ADVENTURE CENTER

CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13288
DAKOTA
Wyatt J. Blas
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
I-3

X:\Files\24629-00\Design Phase\CADD\Sheet Files\I - Plan & Profile.dwg;05/2026

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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
PLAN & PROFILE - 10+00 TO 15+00 - MORIARTY PARK
CITY OF BROOKINGS, SOUTH DAKOTA

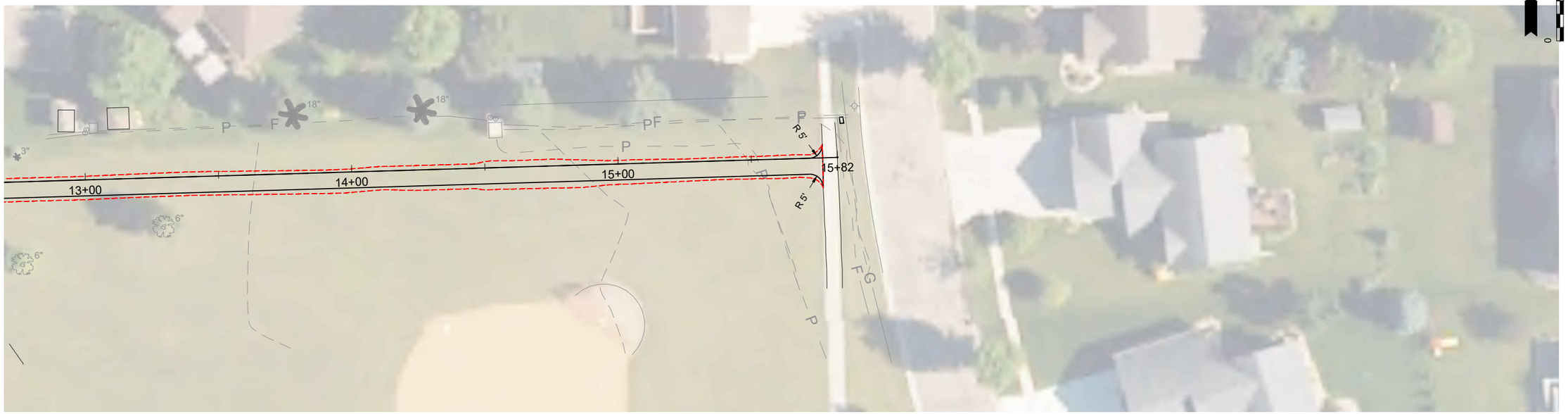
REV.	DATE	DESCRIPTION

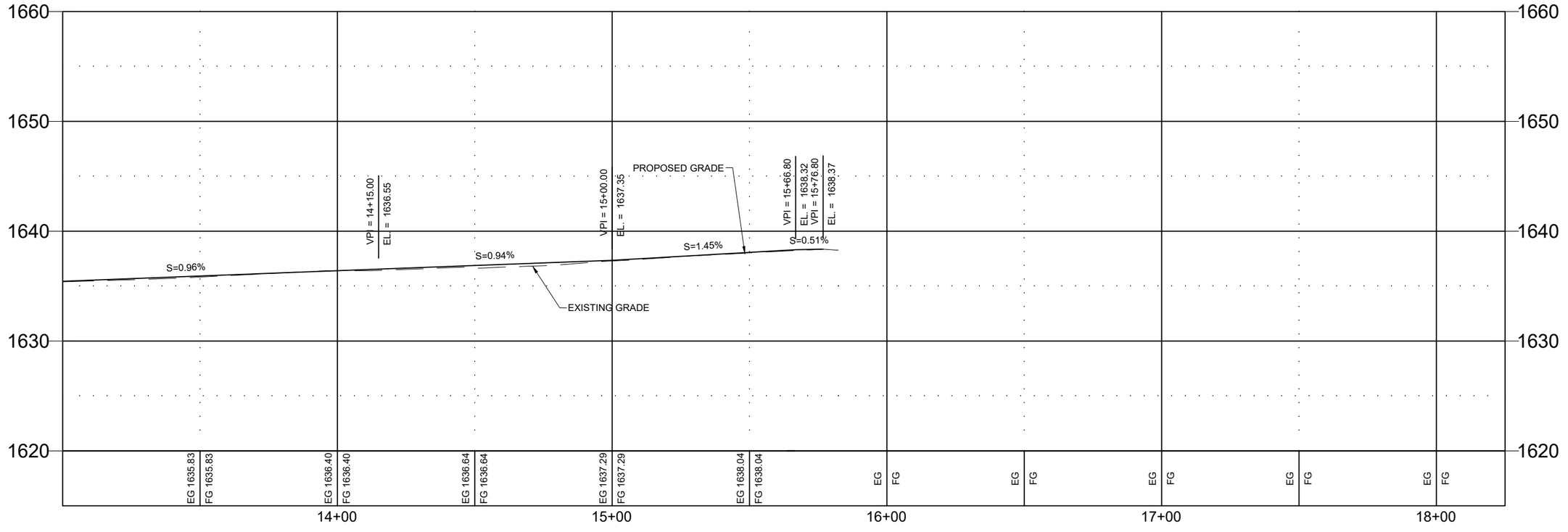
REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13599
EJK
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
I-4





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PROJECT / SHEET TITLE :

BROOKINGS PARKS TRAILS 2026

PLAN & PROFILE - 15+00 TO 15+88 - MORIARTY PARK

CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13599
WILLIAM J. BLAU
SOUTH DAKOTA
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

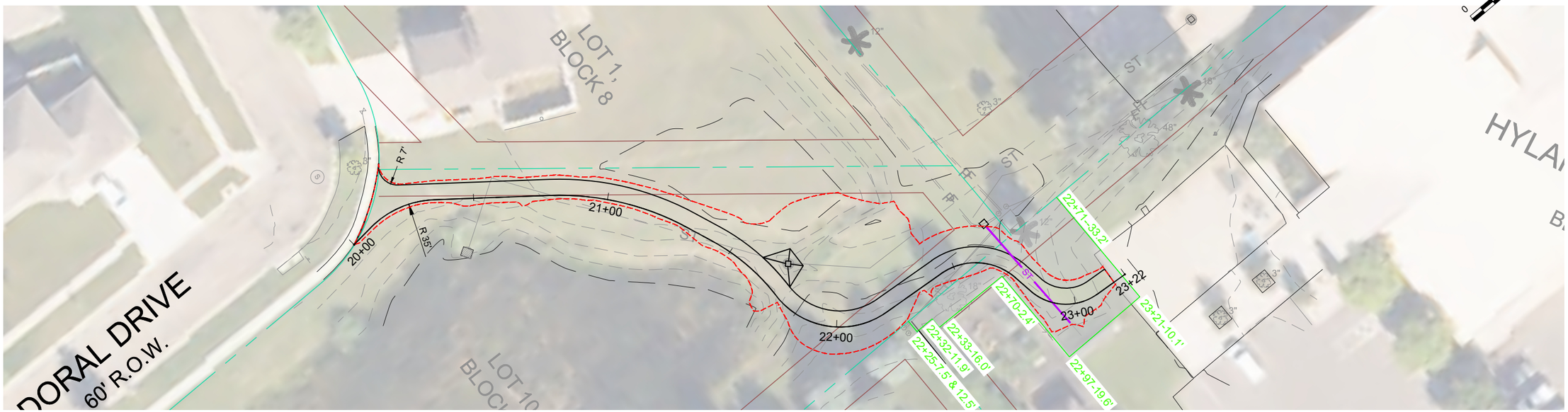
SHEET No. :
I-5

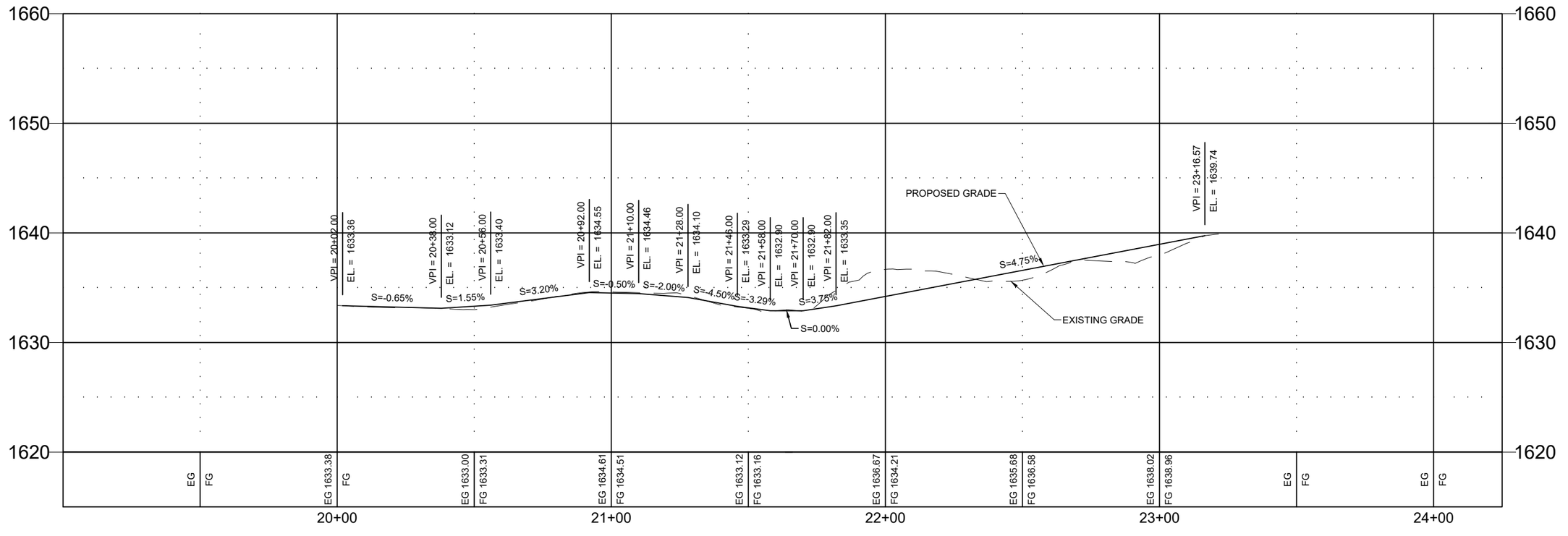
X:\Files\24629-00\Design Phase\CADD\Sheet Files\I - Plan & Profile.dwg;05/2026

21+68
Install Concrete Apron (105 SqFt)
at Existing Inlet Structure
(See Detail)

21+91
Install 6" - 46' Non-Perforated
Underdrain Pipe
(See Cross Sections)

21+91
Install Concrete Headwall (30" x 30" x 5")
at Pipe Termination
(Incidental)





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PROJECT / SHEET TITLE :

BROOKINGS PARKS TRAILS 2026

PLAN & PROFILE - 20+00 TO 23+22 - DORAL DRIVE

CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13599
STATE OF SOUTH DAKOTA
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
I-6

X:\Files\24629-00\Design Phase\CADD\Sheet Files\I - Plan & Profile.dwg;05/2026

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PROJECT / SHEET TITLE:

BROOKINGS PARKS TRAILS 2026

PLAN - INDIAN HILLS PARK

CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13392
WAYLON J. BLASIUS
SOUTH DAKOTA
05/07/2026

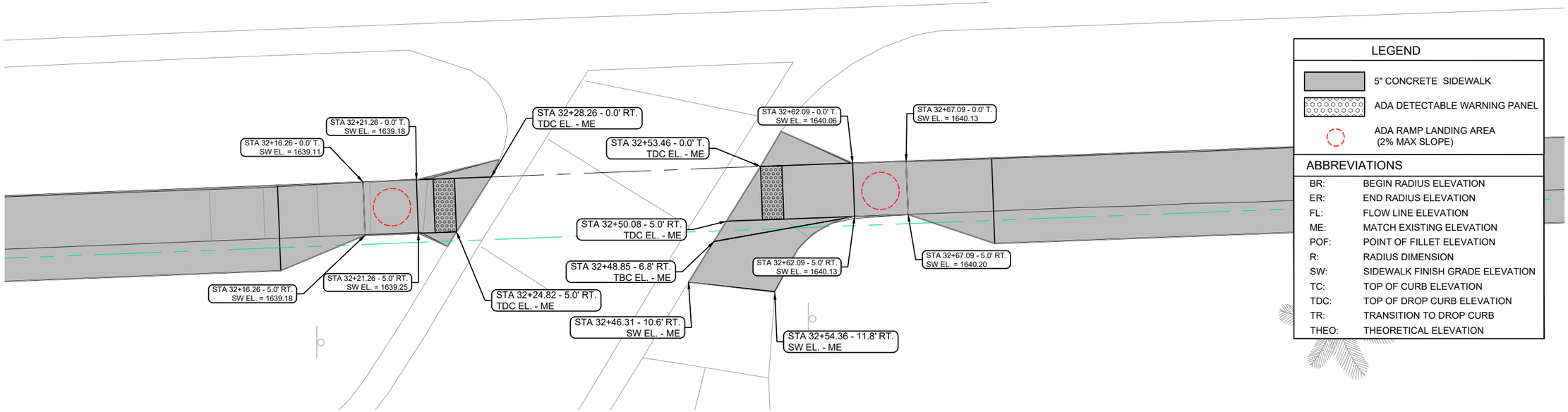
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

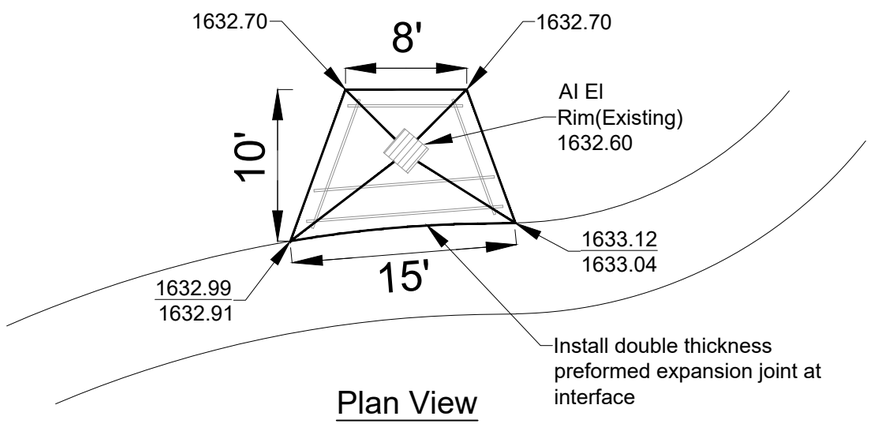
SHEET No. : I-7

X:\Files\24629-00\Design Phase\CADD\Sheet Files\I - Plan & Profile.dwg:05/2026

INTERSECTION OF 17TH AVENUE AND SOUTH SCHOOL ENTRANCE



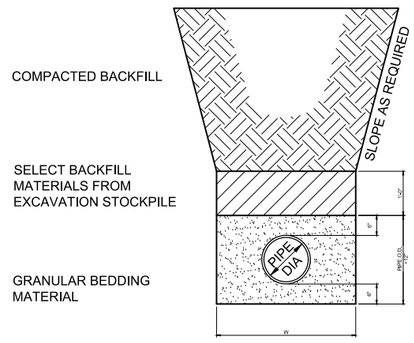
DORAL DRIVE CONCRETE APRON DETAIL



Plan View

*Note: Dimensions may be adjusted in the field by the Engineer. Actual square foot quantity installed will be paid quantity.

DORAL DRIVE SOLID PIPE INSTALLATION/TRENCH/BEDDING



PIPE SIZE	W - TRENCH WIDTH	
	MIN WIDTH	MAX. WIDTH
4" - 15"	PIPE O.D. + 12"	PIPE O.D. + 16"
18" - 48"	PIPE O.D. + 18"	PIPE O.D. + 24"

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
PROJECT DETAILS
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13268
DAKOTA
Evan W. Jahn
05/07/2026

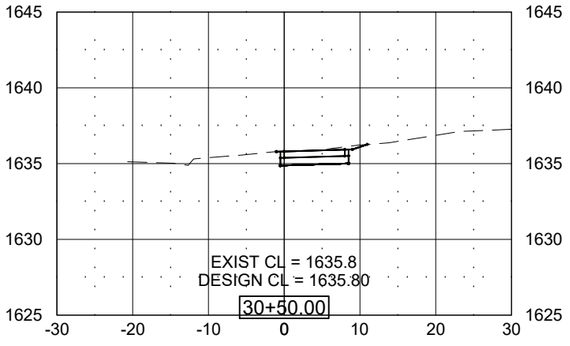
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

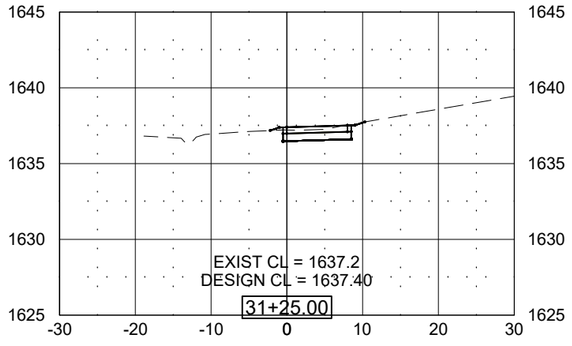
0 1/2" 1"
SCALE REDUCTION BAR

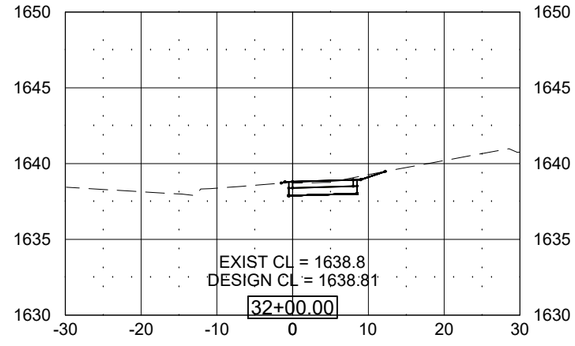
SHEET No. :
I-8

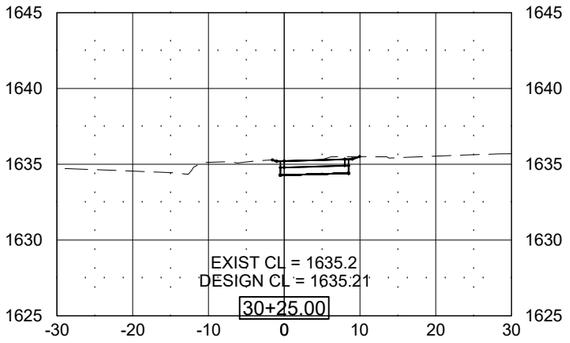
X:\Files\24629-00\Design Phase\CADD\Sheet File\I - Plan & Profile.dwg;05/2026

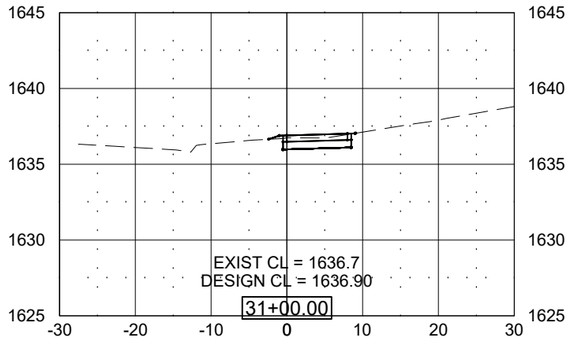
17TH AVE

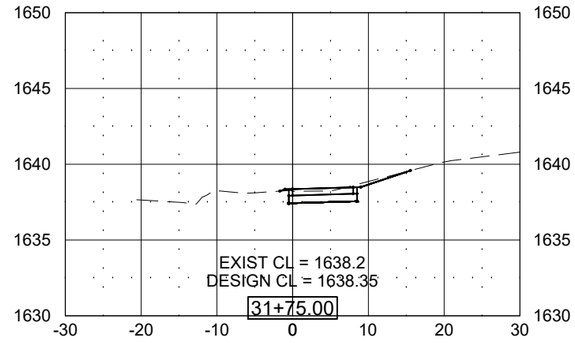


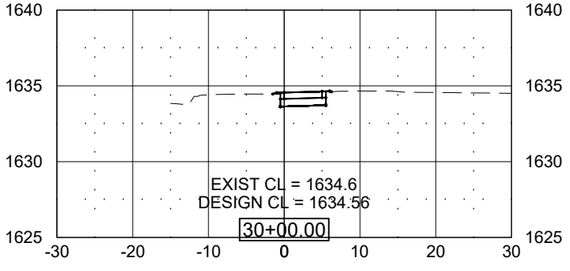


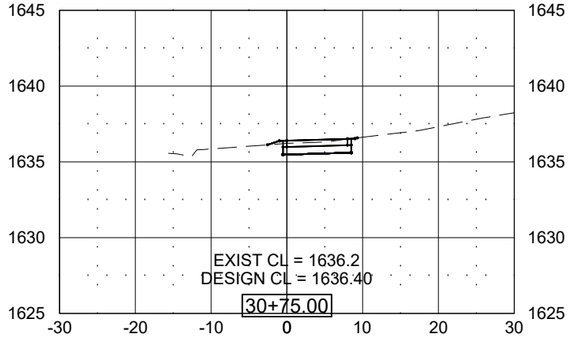


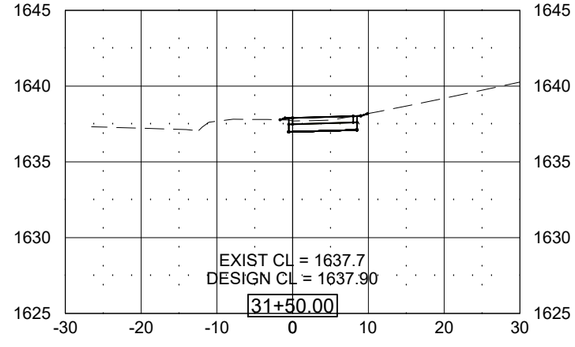












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PROJECT / SHEET TITLE :

BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WILDAM
DAKOTA
05/07/2026

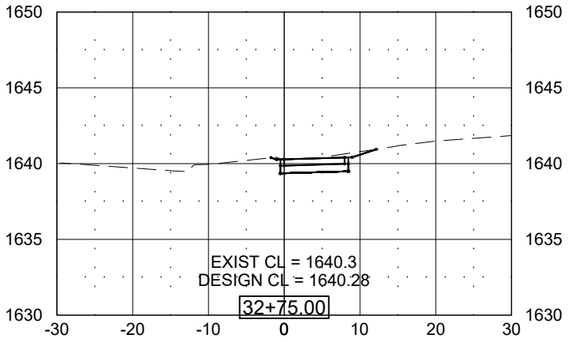
JOB No,:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

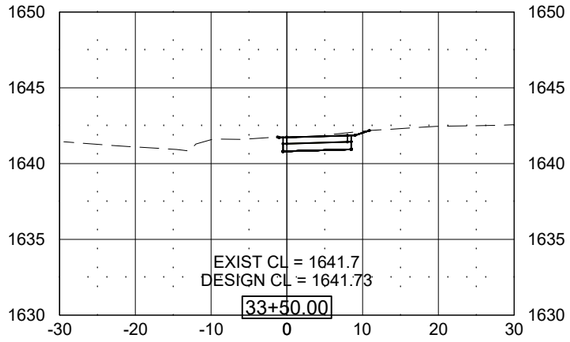
0 1/2" 1"
SCALE REDUCTION BAR

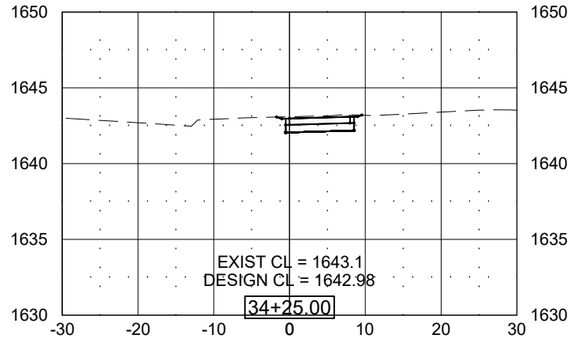
SHEET No. :
M-1

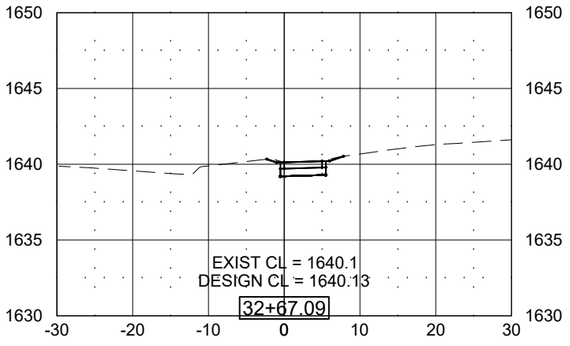
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

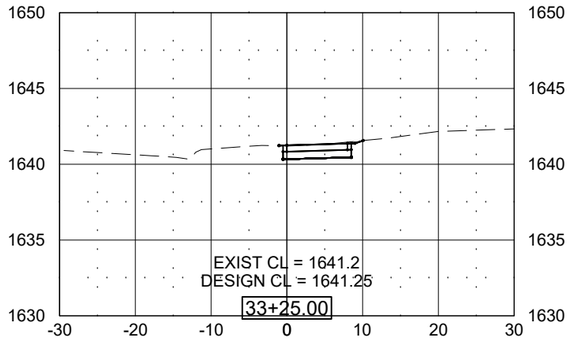
17TH AVE

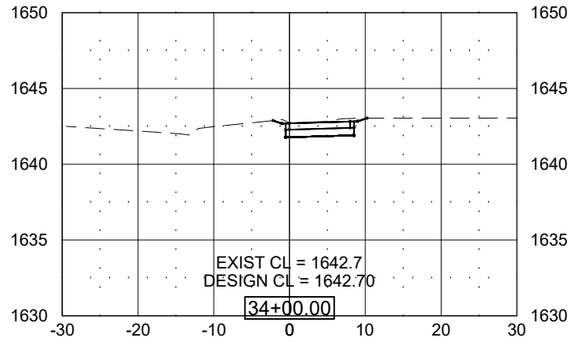


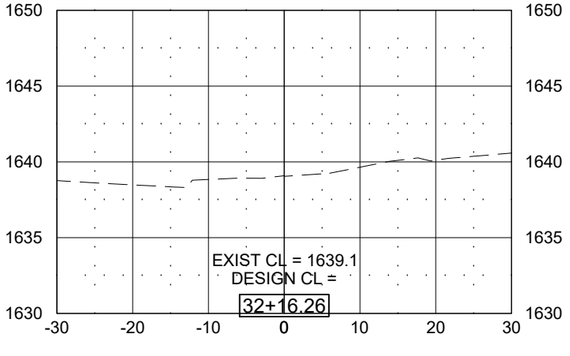


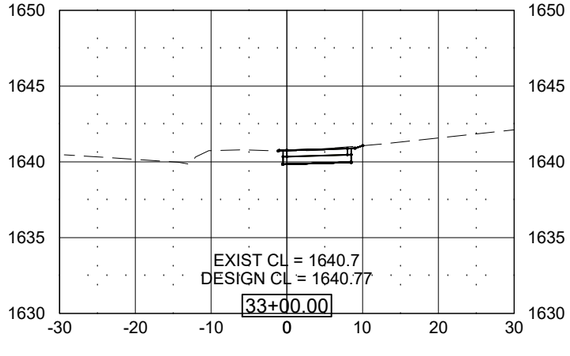


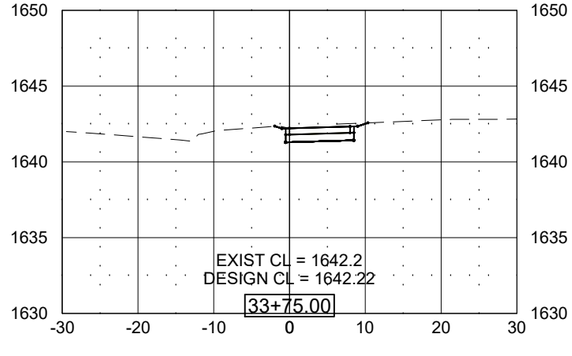












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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13288
WILLIAM J. BLASIUS
05/07/2026

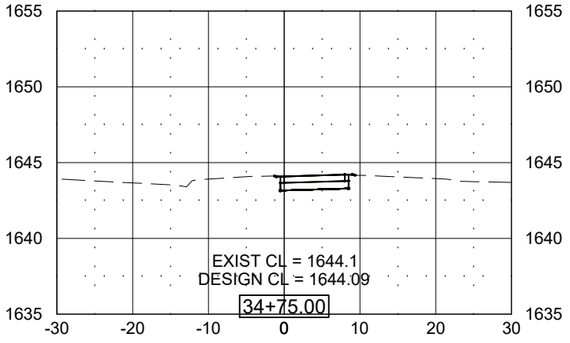
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

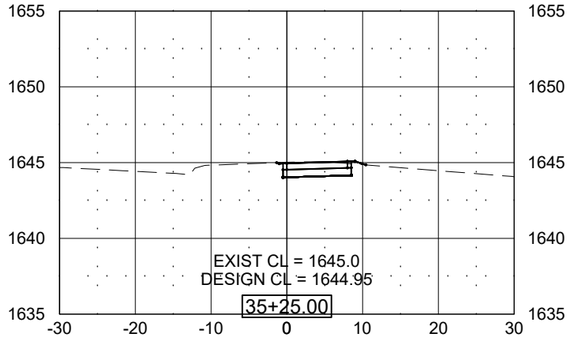
0 1/2" 1"
SCALE REDUCTION BAR

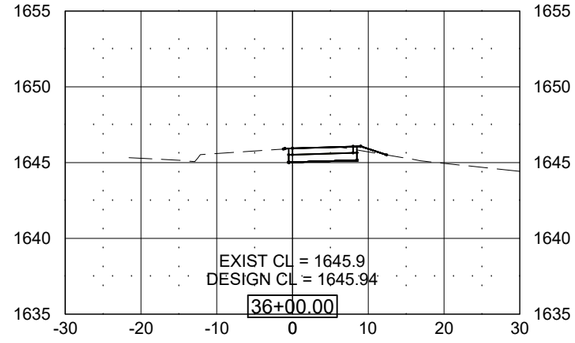
SHEET No. :
M-2

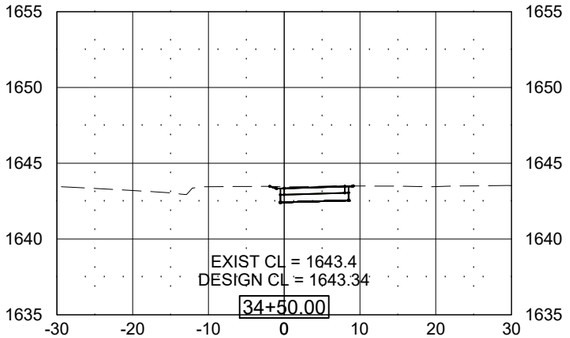
X:\Files\24629-000\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

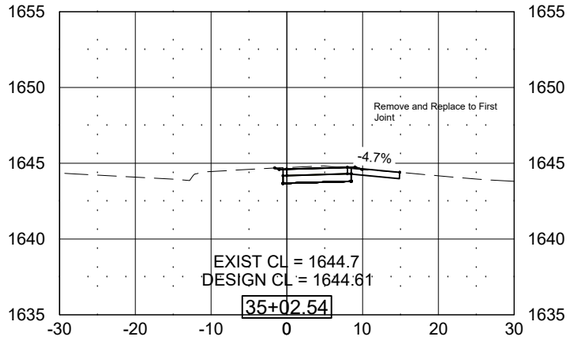
17TH AVE

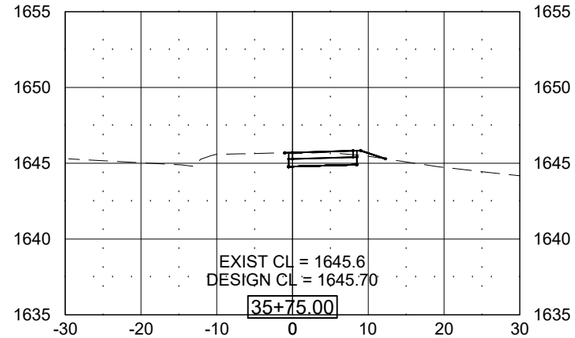


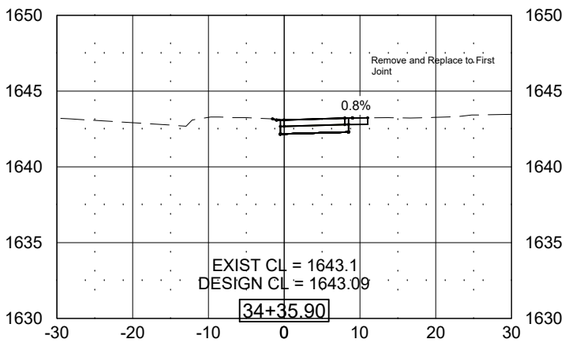


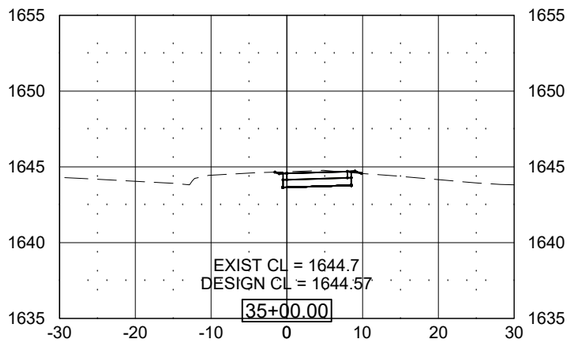


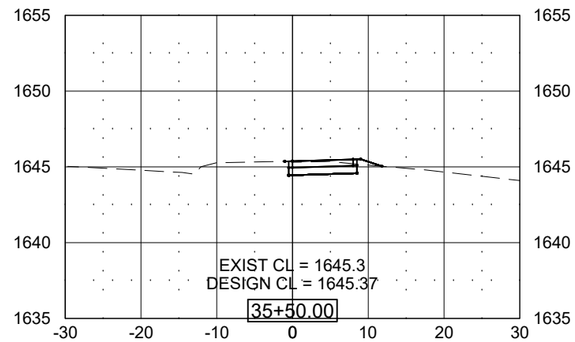












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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13398
WILLIAM J. BLASIUS
05/07/2026

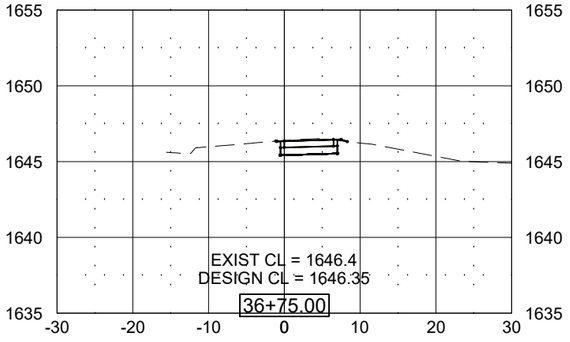
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

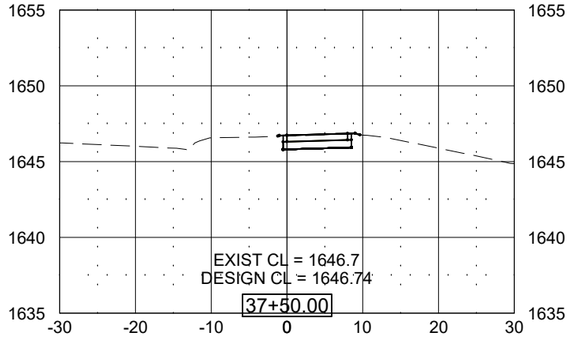
0 1/2" 1"
SCALE REDUCTION BAR

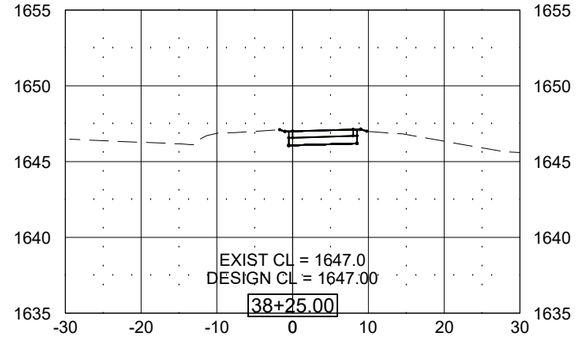
SHEET No. :
M-3

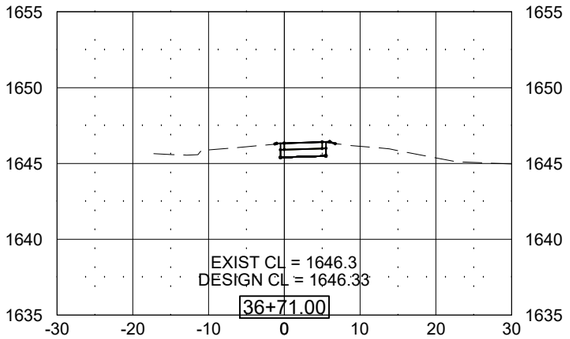
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

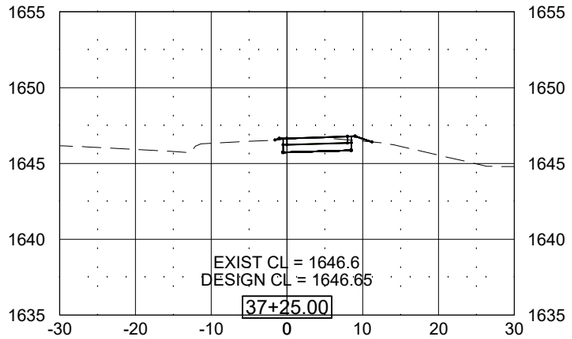
17TH AVE

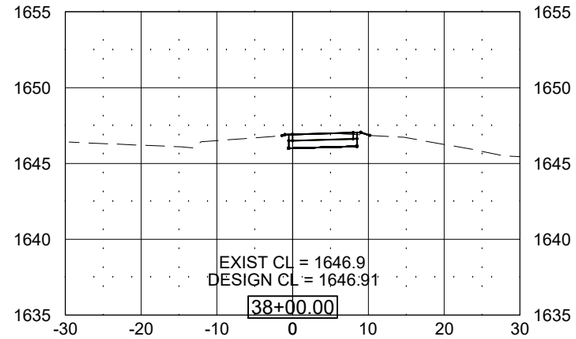


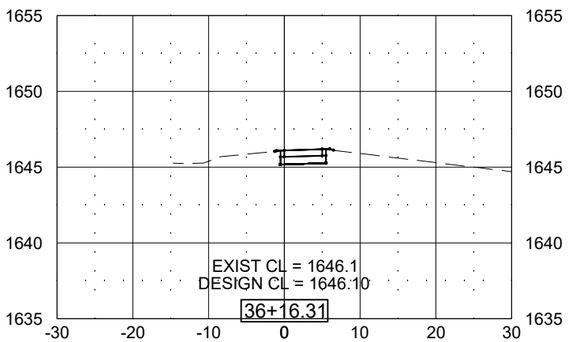


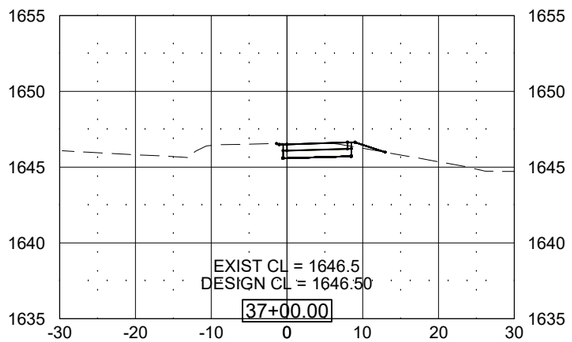


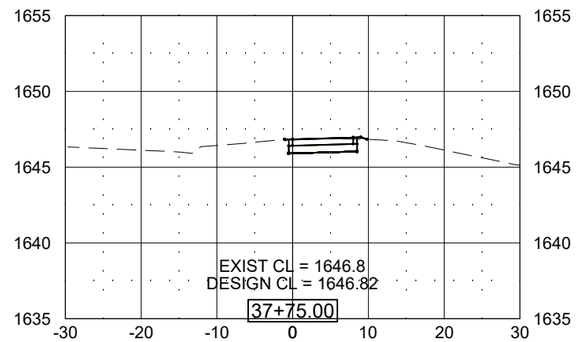












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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13398
WILLIAM J. BLASIUS
05/07/2026

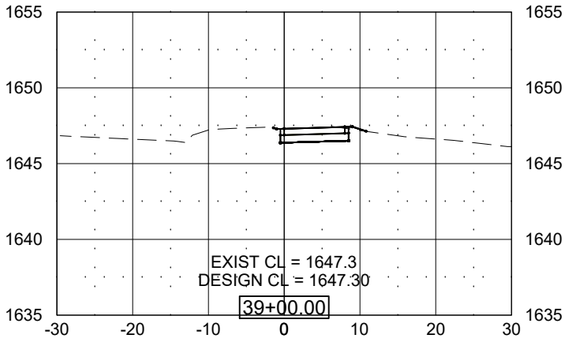
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

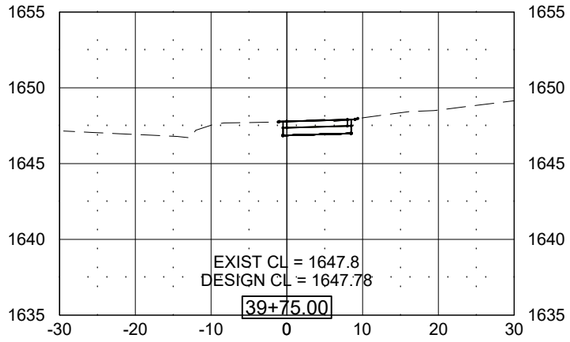
0 1/2" 1"
SCALE REDUCTION BAR

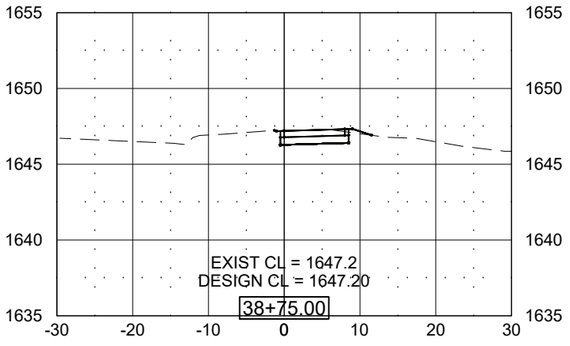
SHEET No. :
M-4

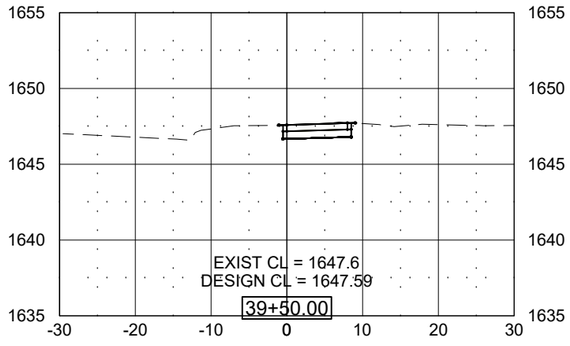
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

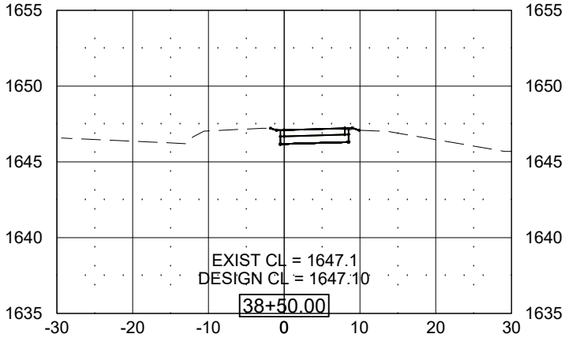
17TH AVE

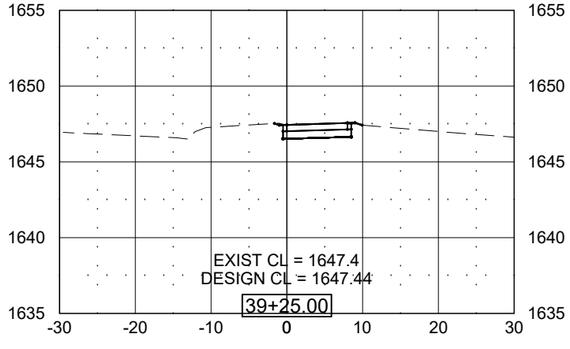












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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - 17TH AVENUE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

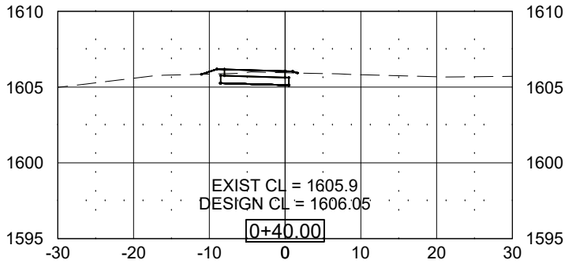
REGISTERED PROFESSIONAL ENGINEER
REG NO. 13288
WILLIAM J. BLASIUS
STATE OF SOUTH DAKOTA
05/07/2026

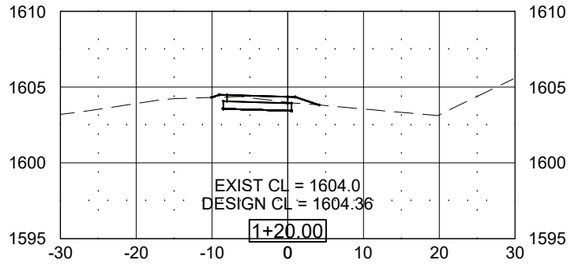
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

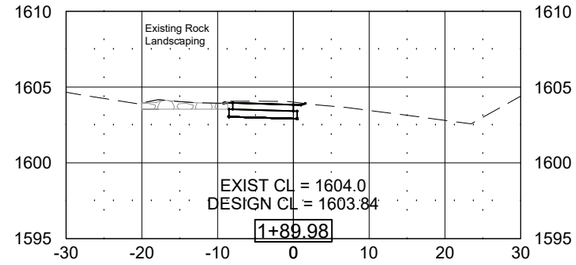
0 1/2" 1"
SCALE REDUCTION BAR

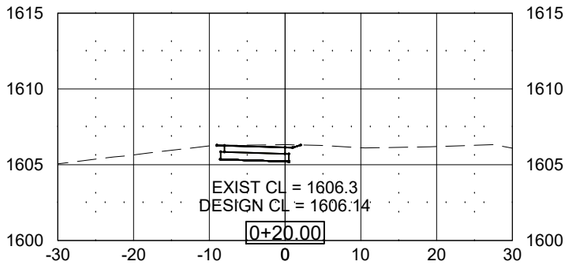
SHEET No. :
M-5

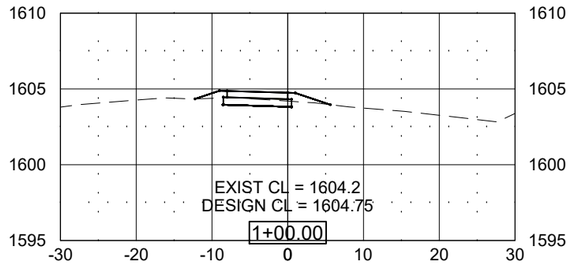
OAC

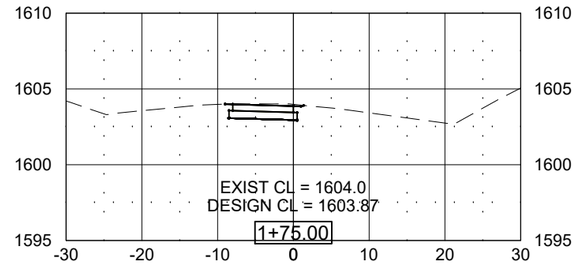


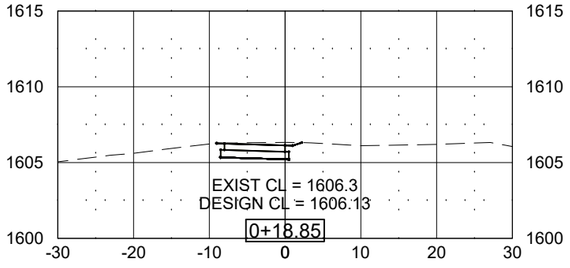


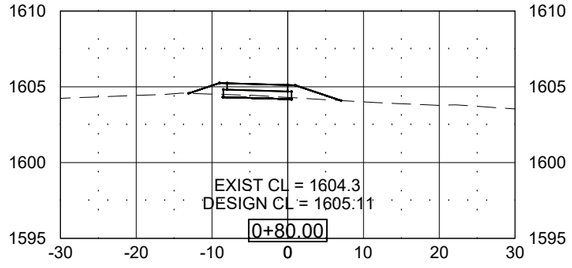


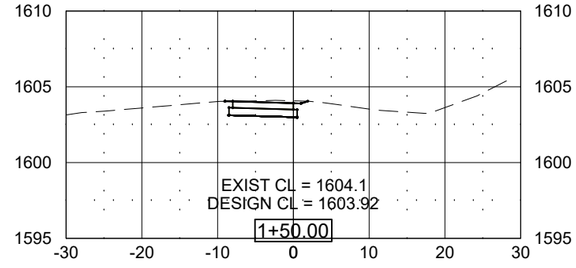


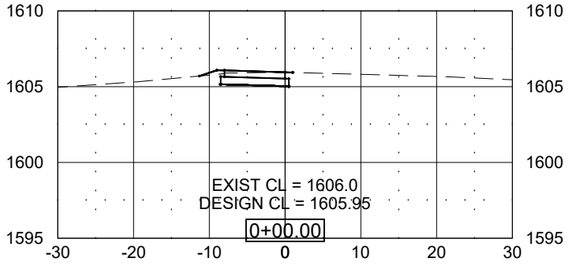


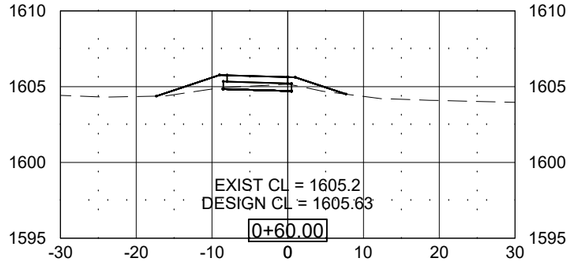


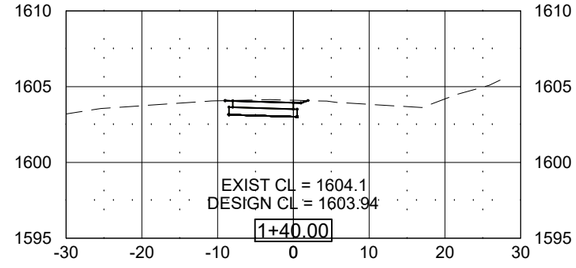












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PROJECT / SHEET TITLE :

BROOKINGS PARKS TRAILS 2026

CROSS SECTIONS - OUTDOOR ADVENTURE CENTER

CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WILLIAM J. BLAD
BASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
M-6

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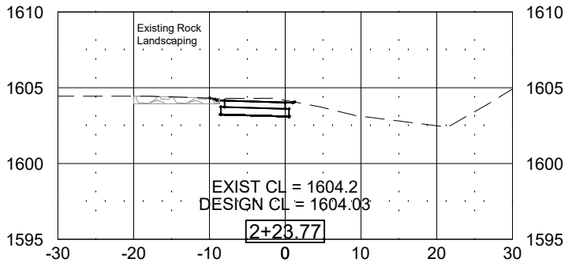
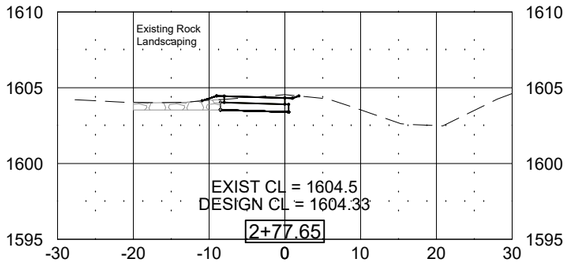
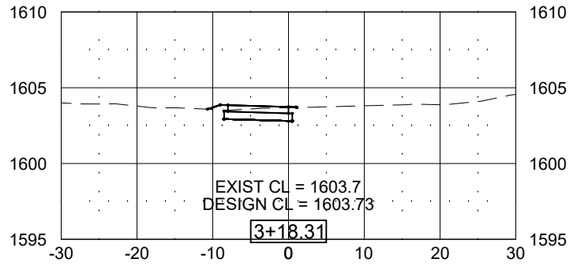
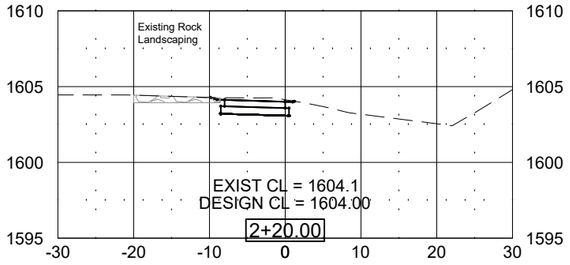
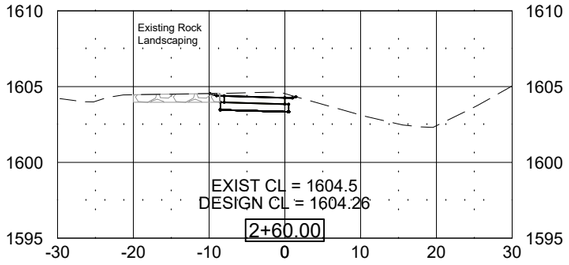
OAC

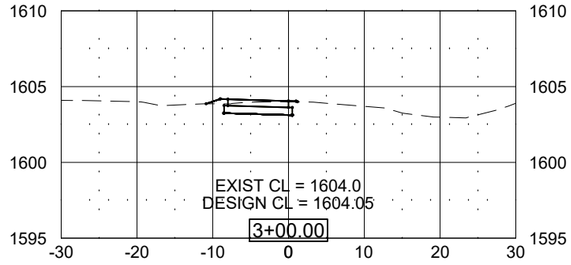


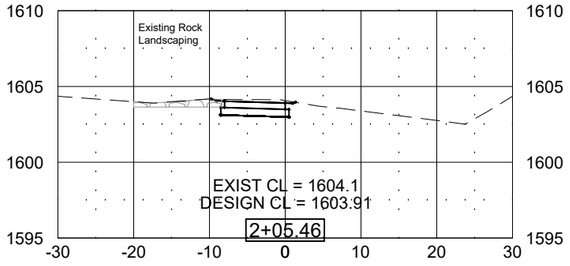


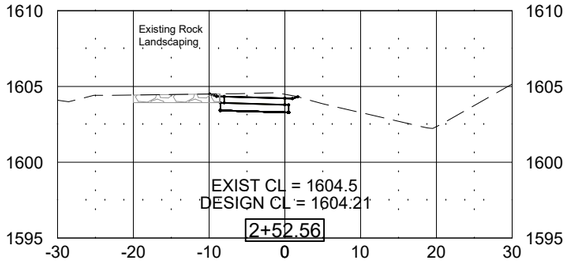


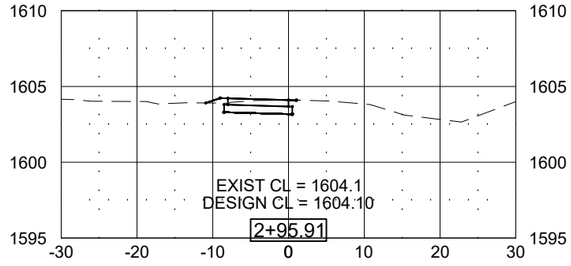


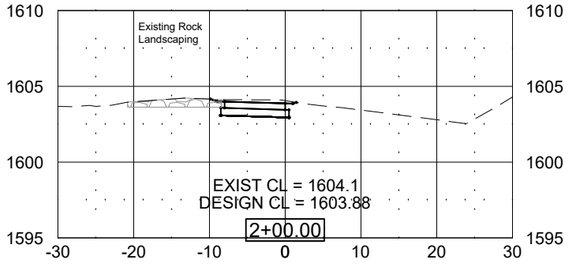


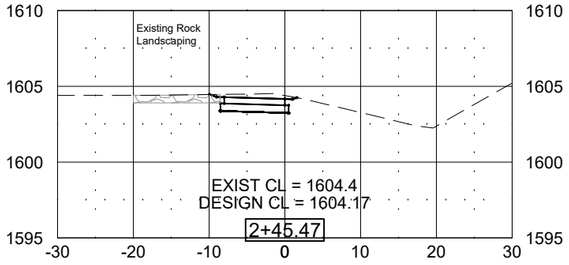


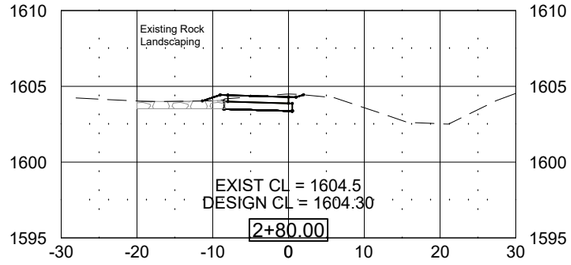












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PROJECT / SHEET TITLE :

BROOKINGS PARKS TRAILS 2026

CROSS SECTIONS - OUTDOOR ADVENTURE CENTER

CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
JASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
M-7

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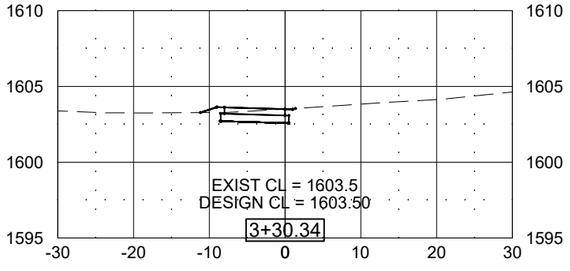

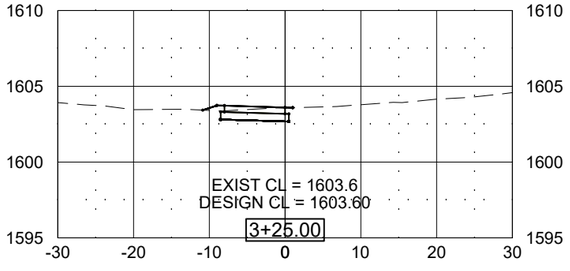

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - OUTDOOR ADVENTURE CENTER
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WILLIAM J. BASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
M-8

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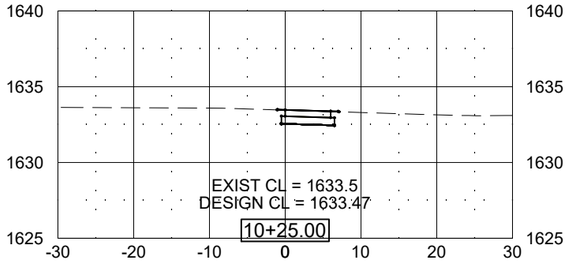
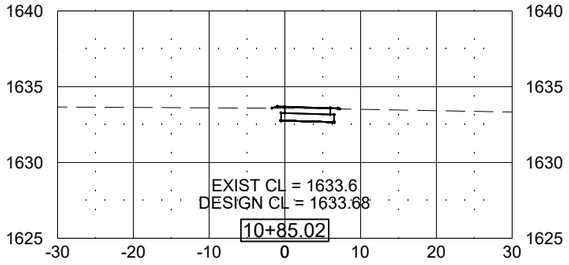
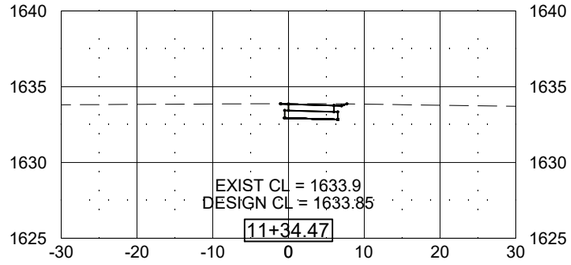
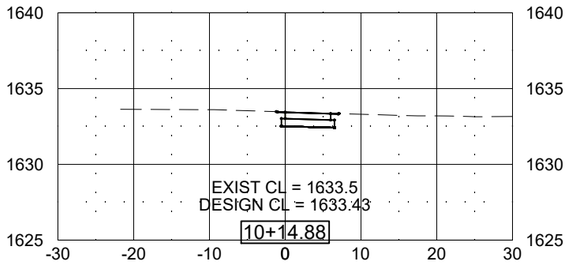
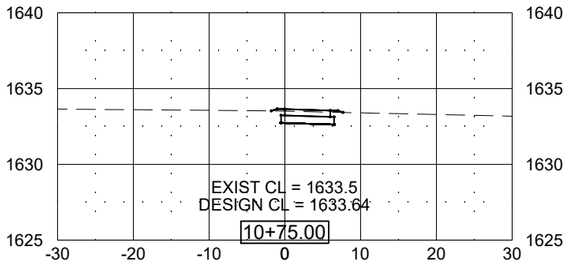
MORIARTY

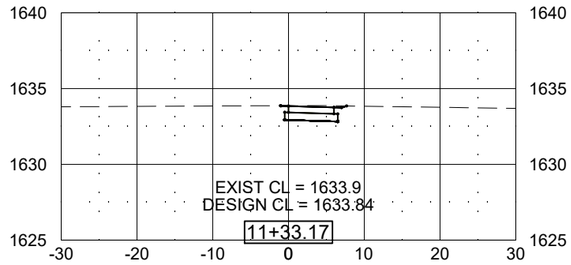


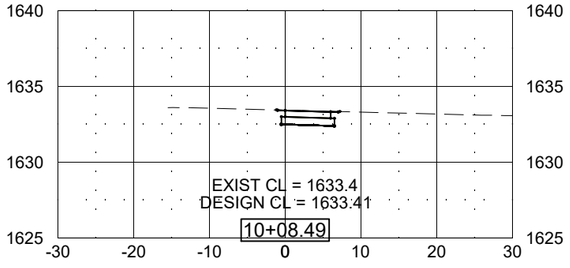


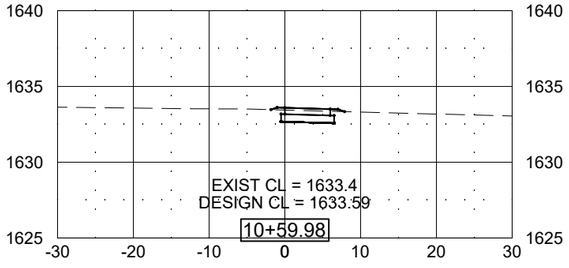


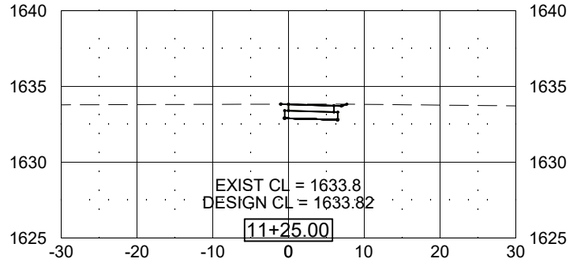


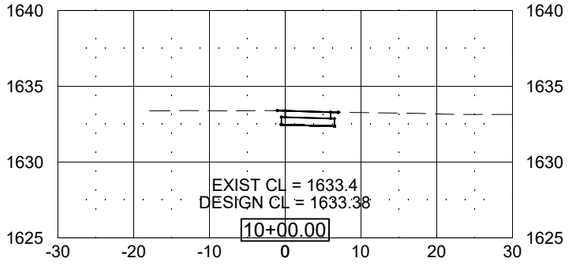


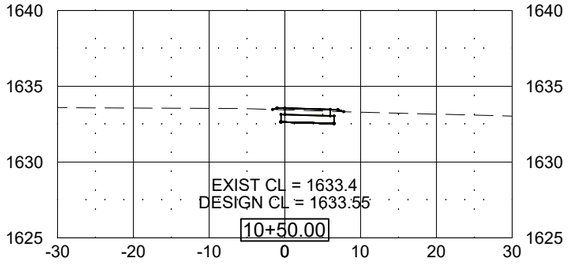


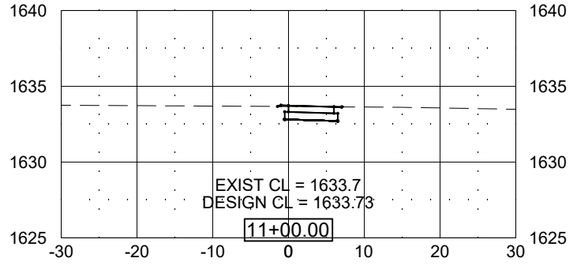












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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - MORIARTY PARK
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
JASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
M-9

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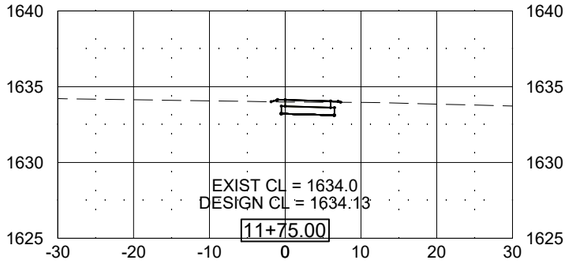
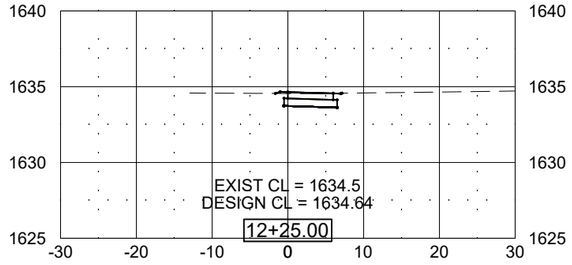
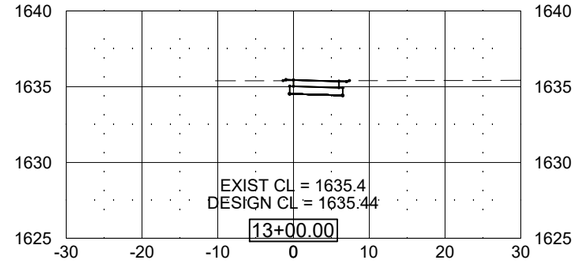
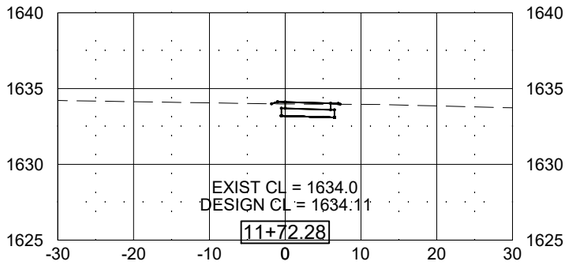
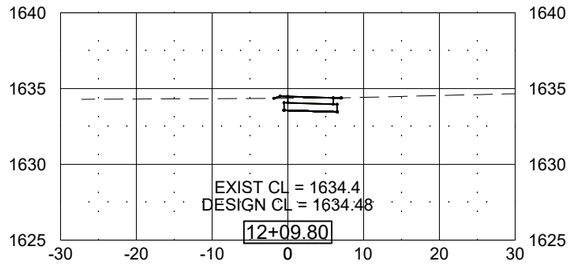
MORIARTY

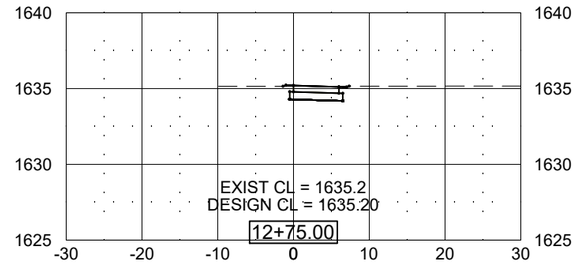


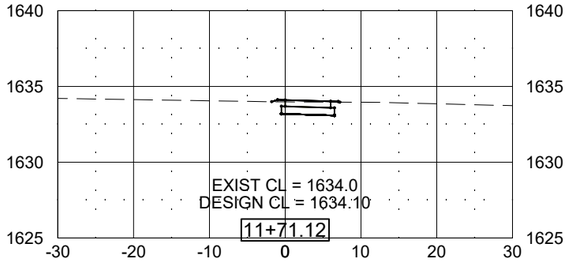


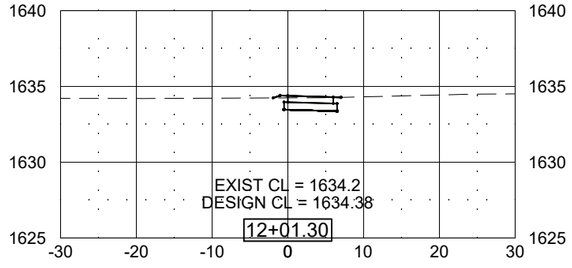


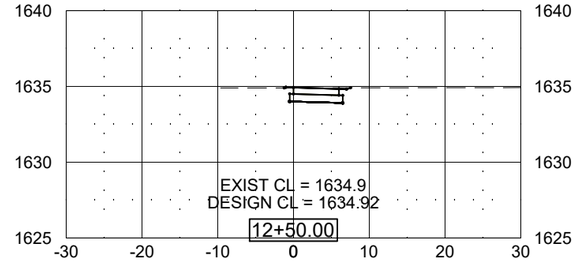


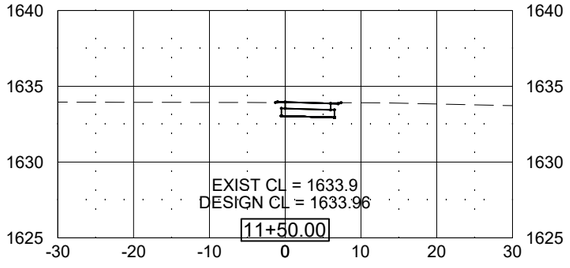


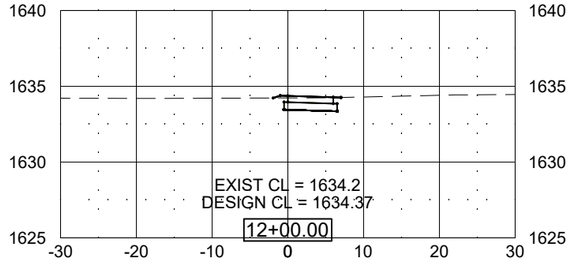


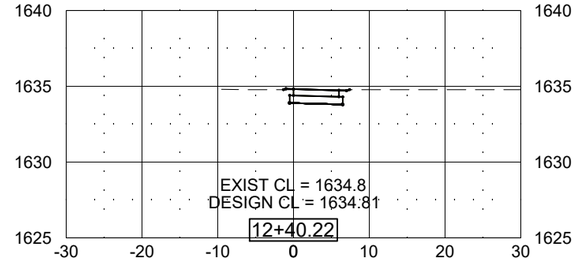












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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - MORIARTY PARK
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
EASTUS
05/07/2026

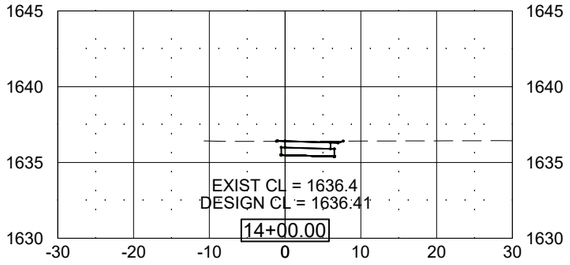
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

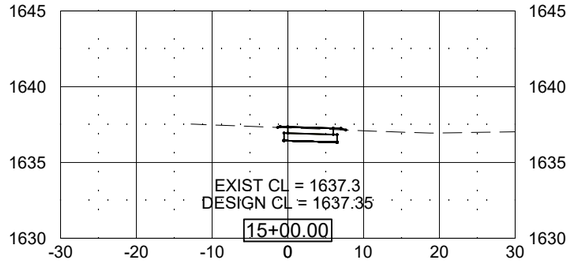
0 1/2" 1"
SCALE REDUCTION BAR

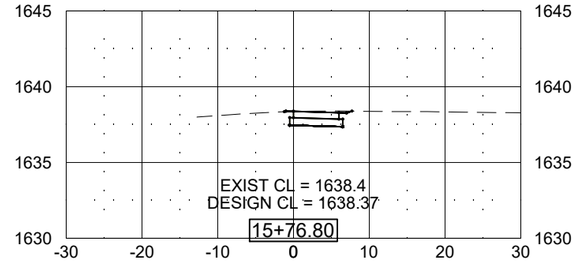
SHEET No. :
M-10

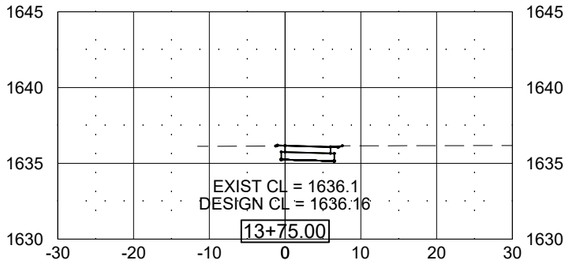
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

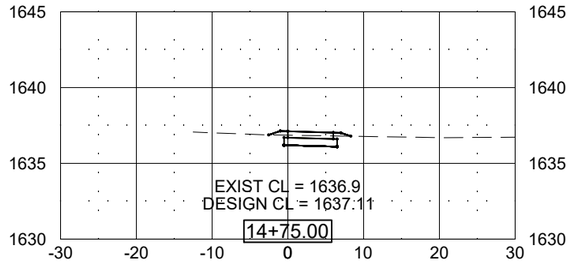
MORIARTY

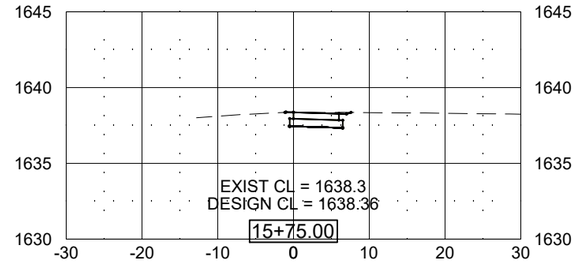


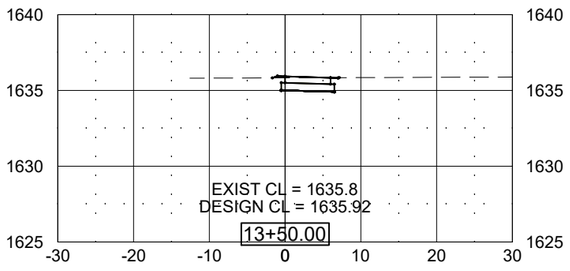


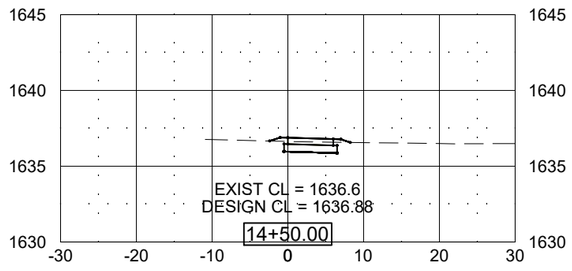


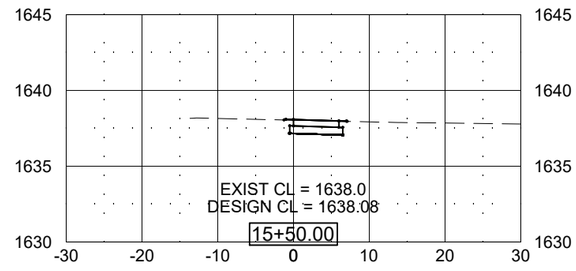


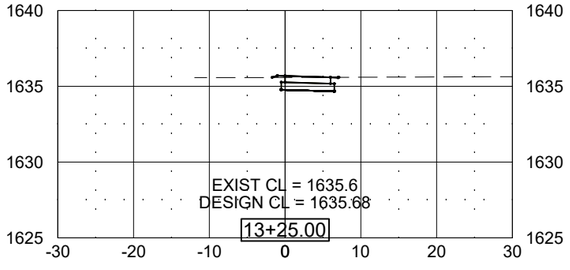


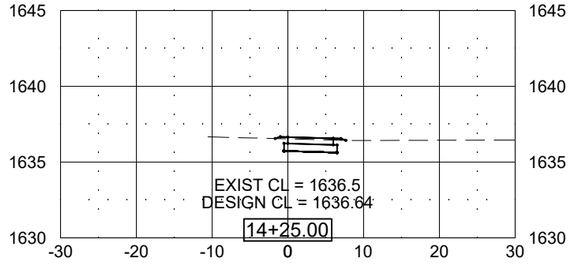


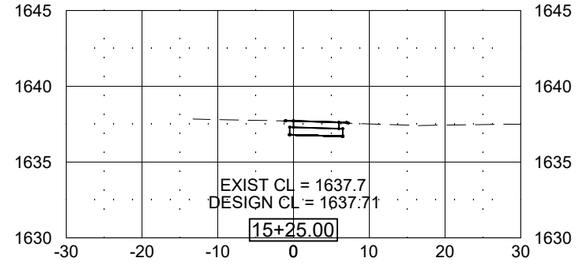












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PROJECT / SHEET TITLE :

BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - MORIARTY PARK
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
DAKOTA
Jason W. Bloedel
05/07/2026

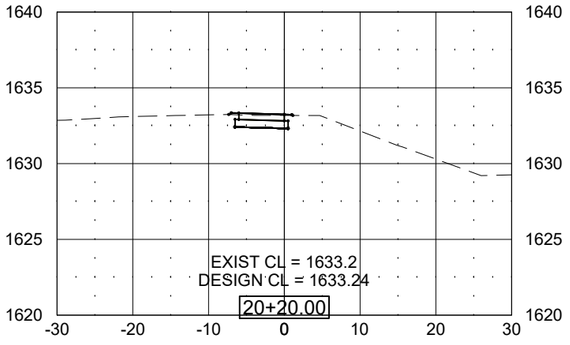
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

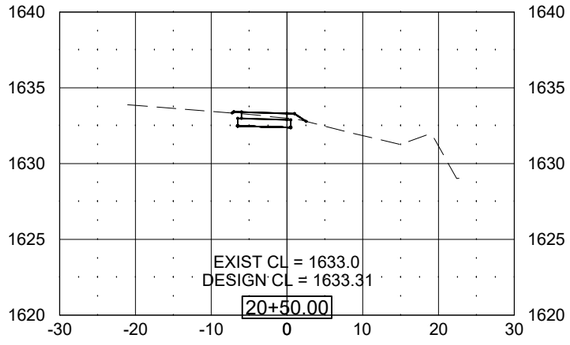
0 1/2" 1"
SCALE REDUCTION BAR

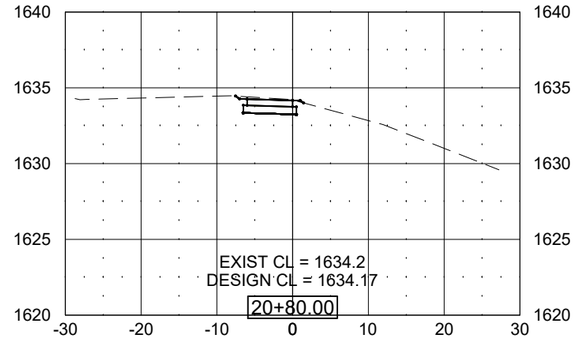
SHEET No. :
M-11

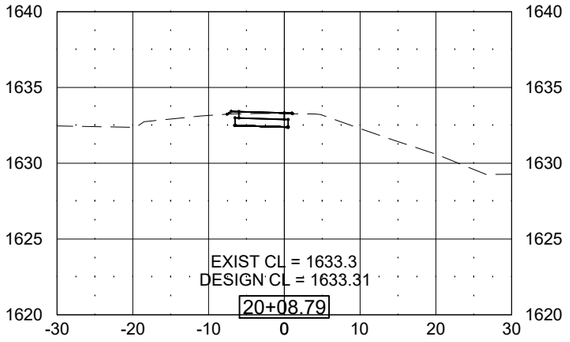
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

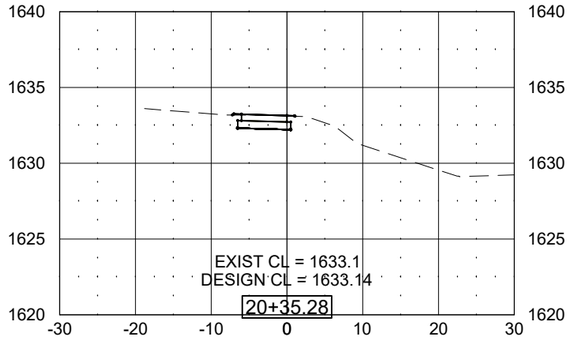
DORAL DR

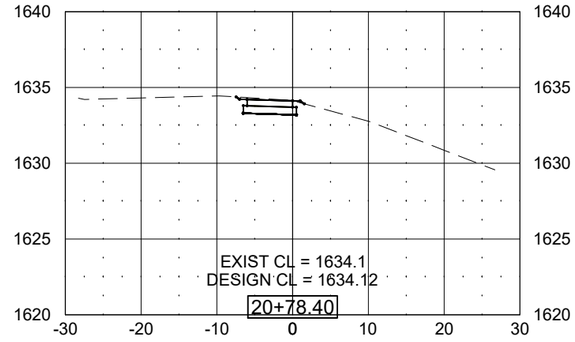


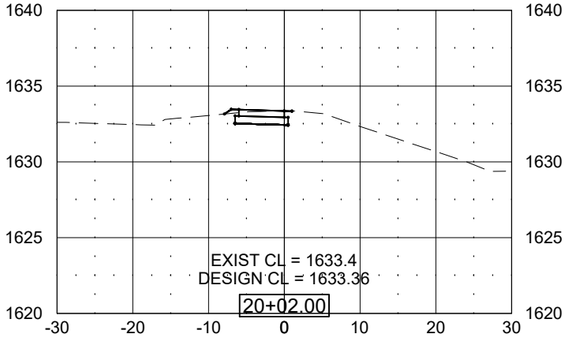


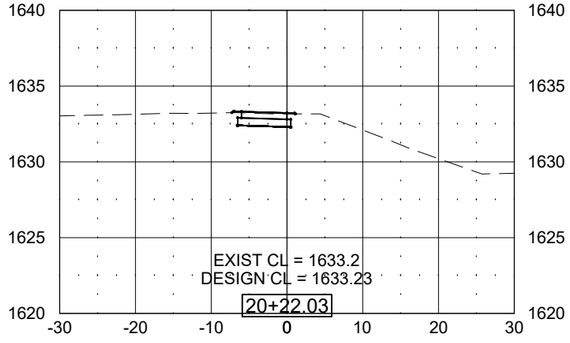


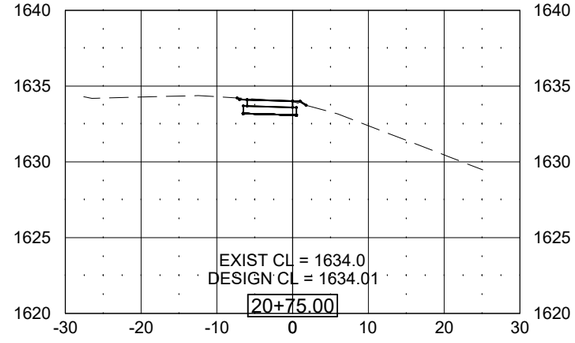












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PROJECT / SHEET TITLE :

BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - DORAL DRIVE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WILDAD BASILIO
Wildad Basilio
05/07/2026

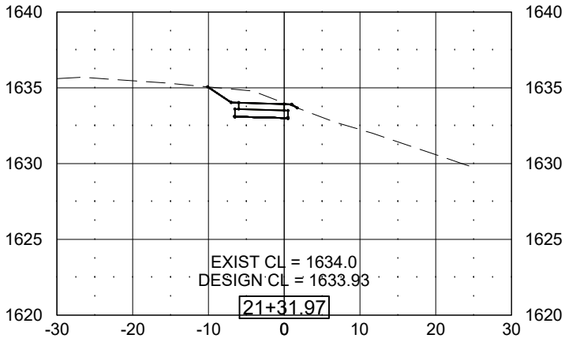
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

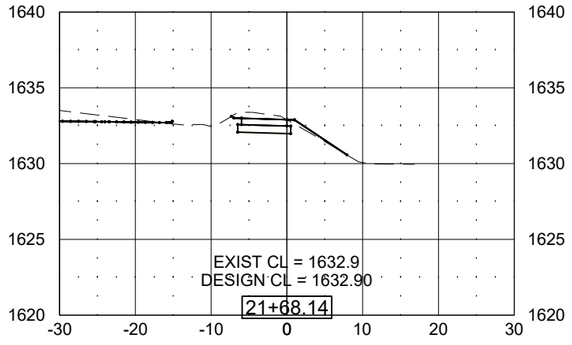
0 1/2" 1"
SCALE REDUCTION BAR

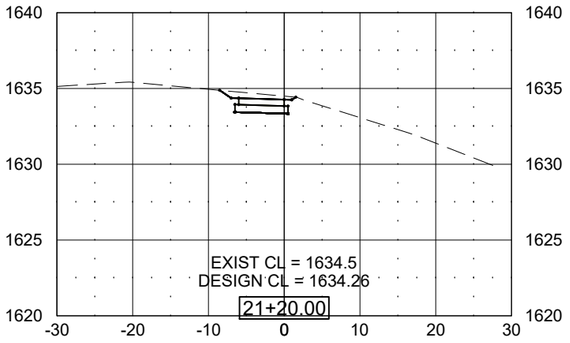
SHEET No. :
M-12

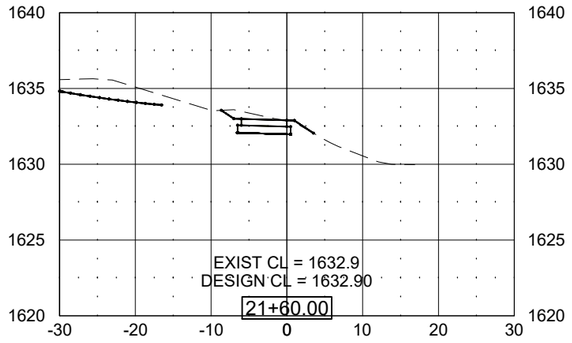
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

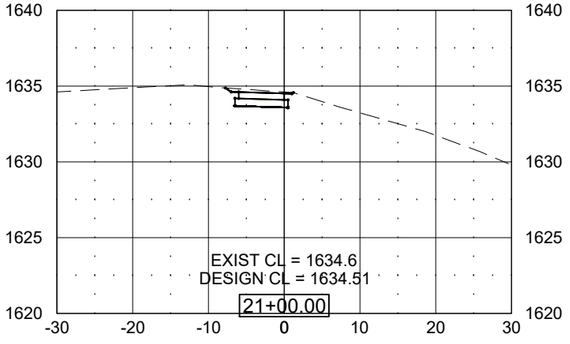
DORAL DR

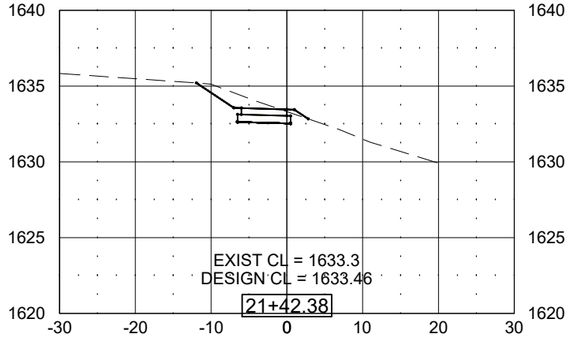


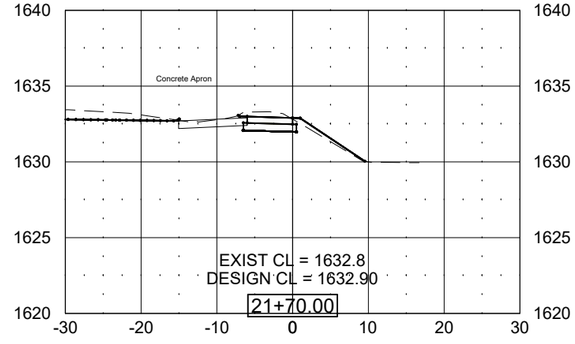












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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - DORAL DRIVE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WYLIE BASIUS
05/07/2026

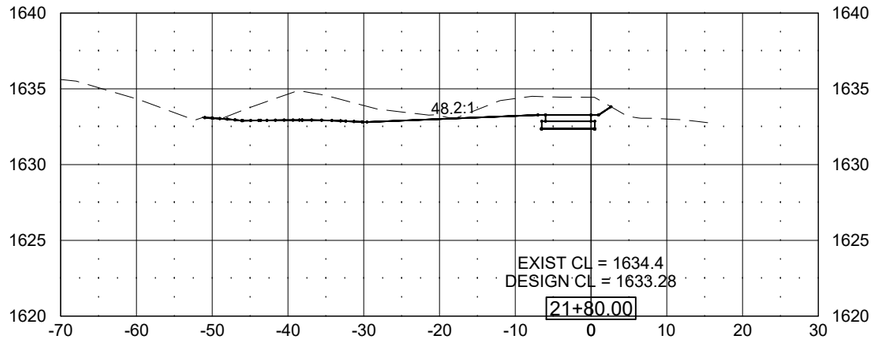
JOB No,:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

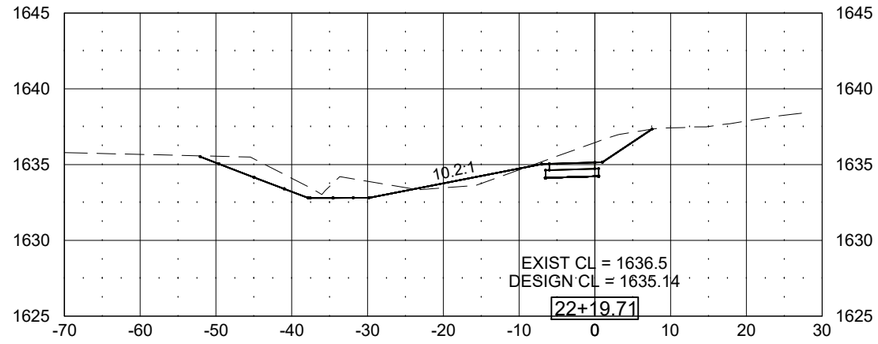
0 1/2" 1"
SCALE REDUCTION BAR

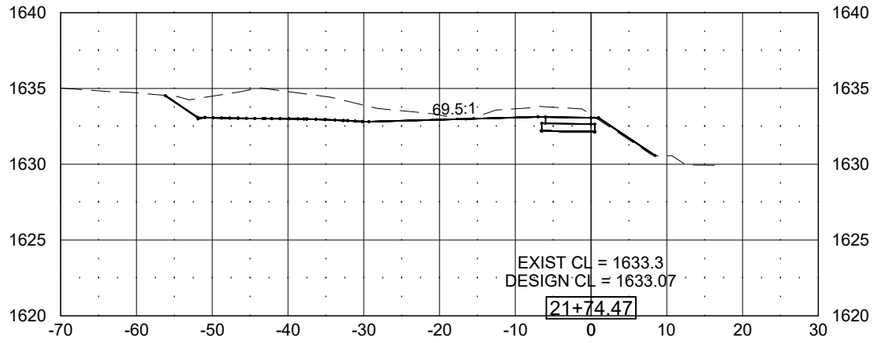
SHEET No. :
M-13

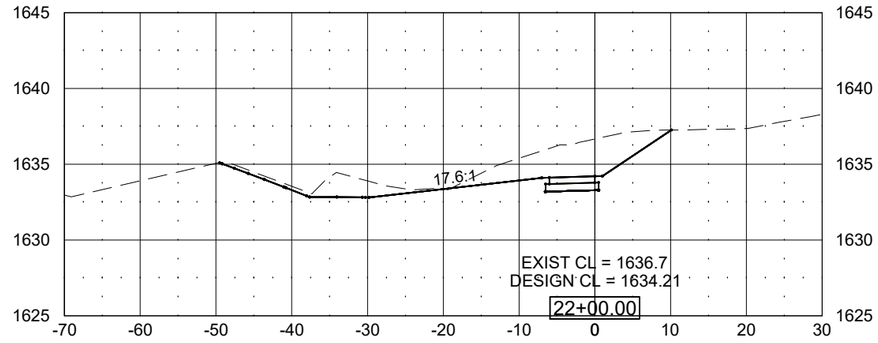
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

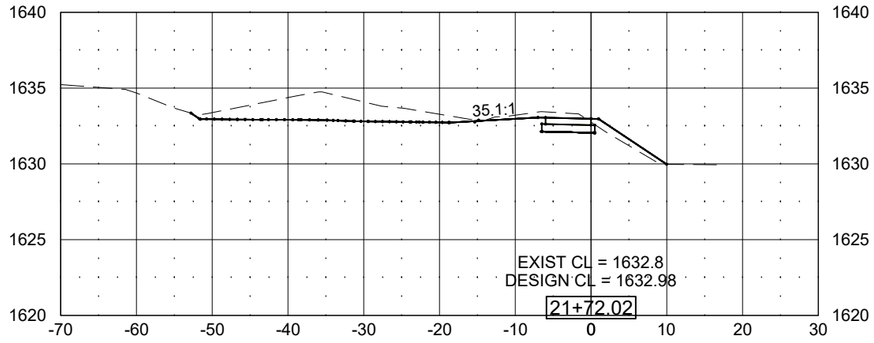
DORAL DR

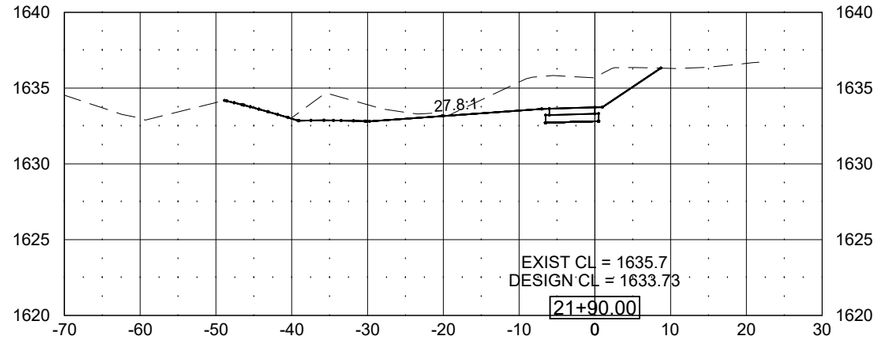












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PROJECT / SHEET TITLE :

BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - DORAL DRIVE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13599
WILDAD BASILIUS
05/07/2026

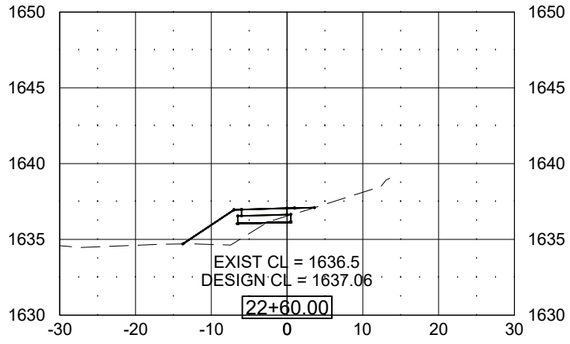
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

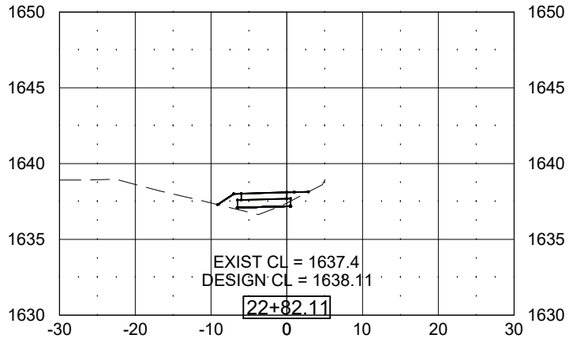
0 1/2" 1"
SCALE REDUCTION BAR

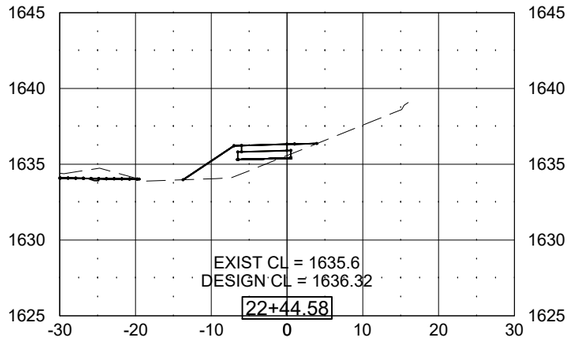
SHEET No. :
M-14

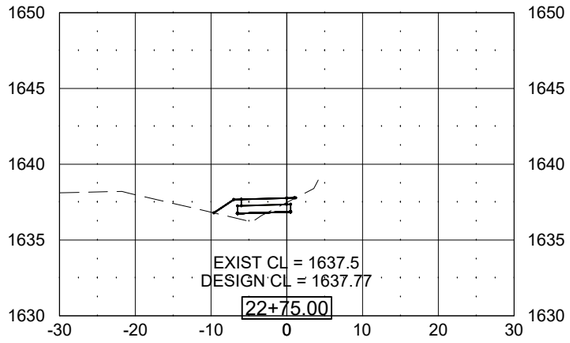
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

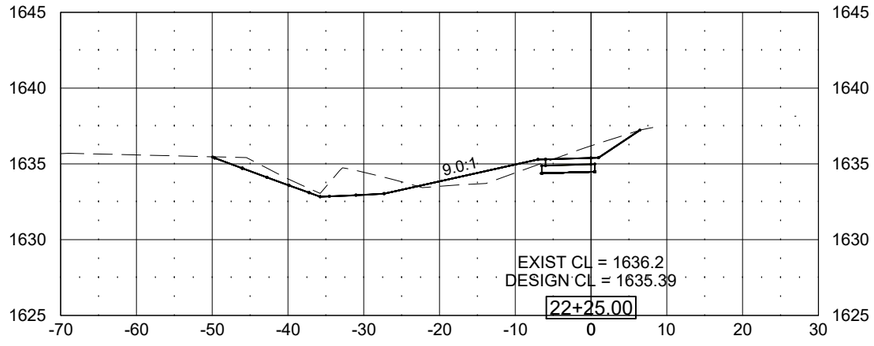
DORAL DR

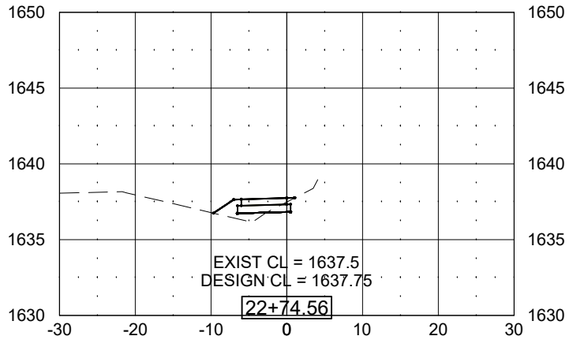












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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - DORAL DRIVE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
WYLIE J. BASIUS
05/07/2026

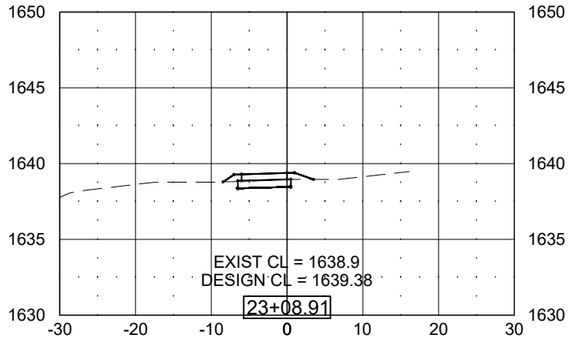
JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

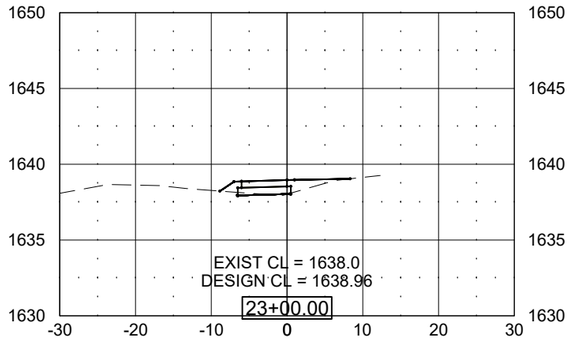
0 1/2" 1"
SCALE REDUCTION BAR

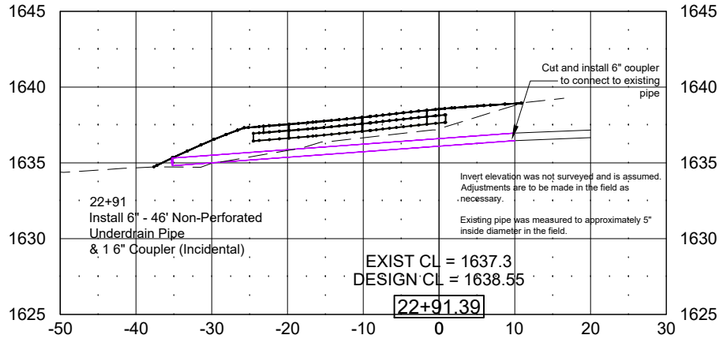
SHEET No. :
M-15

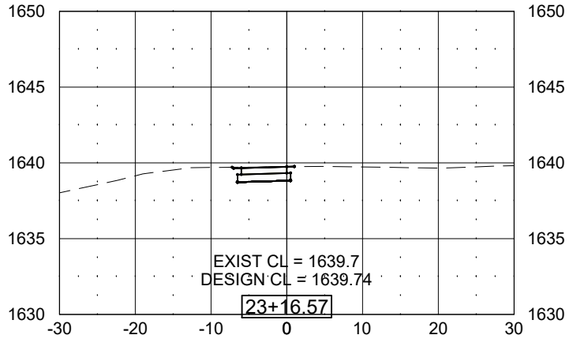
X:\Files\24629-00\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026

DORAL DR









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PROJECT / SHEET TITLE:
BROOKINGS PARKS TRAILS 2026
CROSS SECTIONS - DORAL DRIVE
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

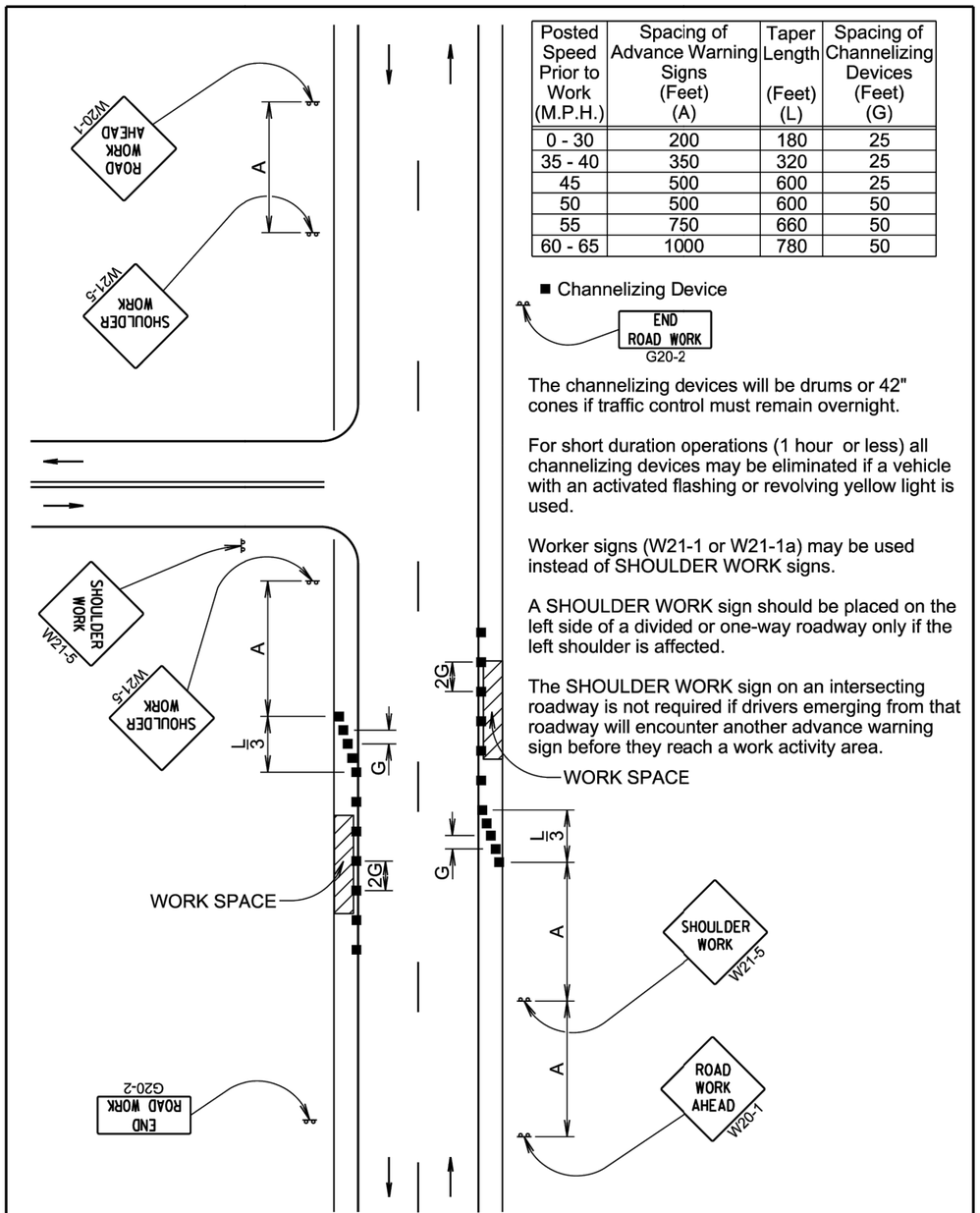
REGISTERED PROFESSIONAL ENGINEER
REG NO. 13288
WILLIAM J. BLASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
M-16

X:\Files\24629-000\Design Phase\CADD\Sheet File\M - Cross Sections.dwg;05/2026



Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A)	Taper Length (Feet) (L)	Spacing of Channelizing Devices (Feet) (G)
0 - 30	200	180	25
35 - 40	350	320	25
45	500	600	25
50	500	600	50
55	750	660	50
60 - 65	1000	780	50

■ Channelizing Device

END ROAD WORK
G20-2

The channelizing devices will be drums or 42" cones if traffic control must remain overnight.

For short duration operations (1 hour or less) all channelizing devices may be eliminated if a vehicle with an activated flashing or revolving yellow light is used.

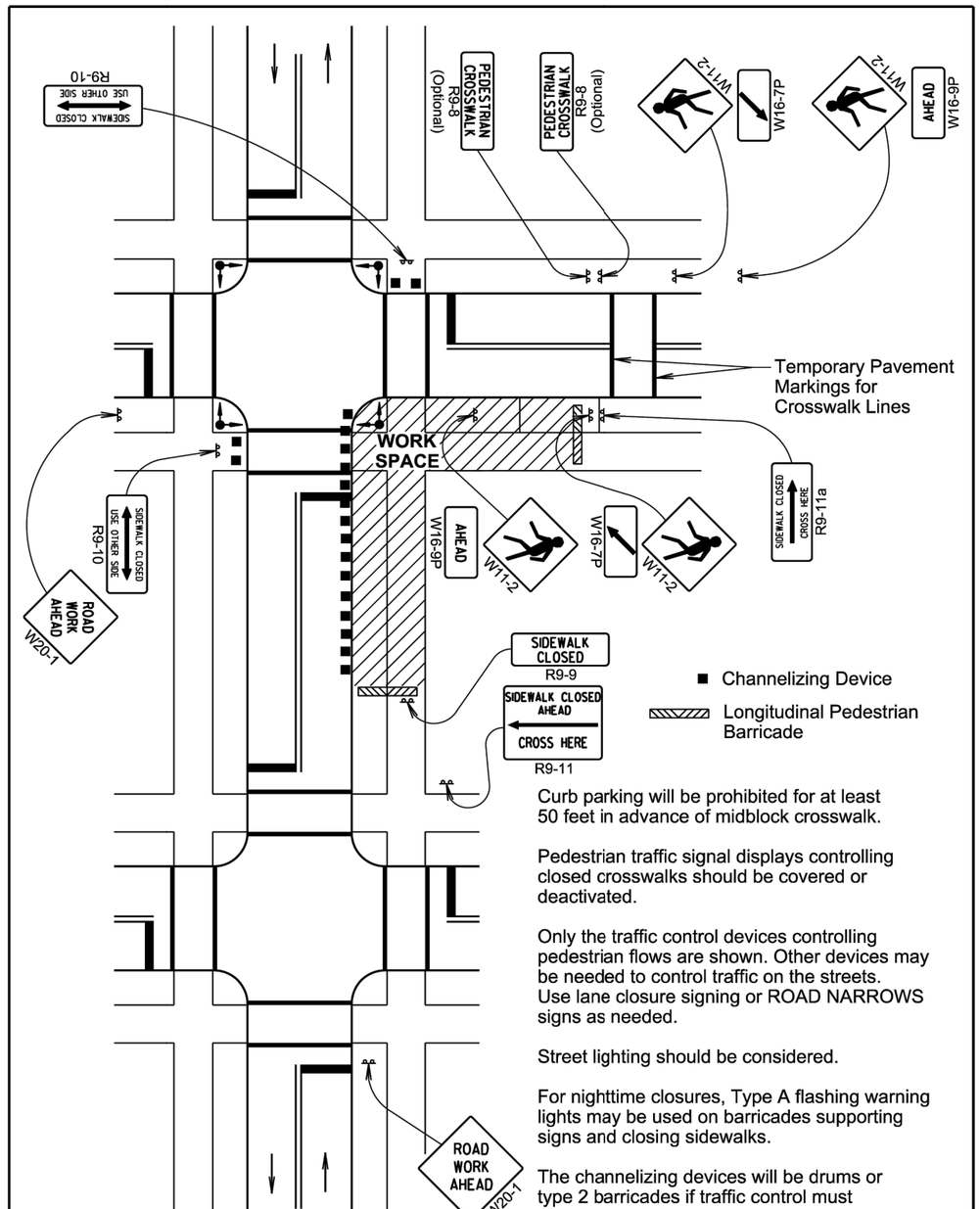
Worker signs (W21-1 or W21-1a) may be used instead of SHOULDER WORK signs.

A SHOULDER WORK sign should be placed on the left side of a divided or one-way roadway only if the left shoulder is affected.

The SHOULDER WORK sign on an intersecting roadway is not required if drivers emerging from that roadway will encounter another advance warning sign before they reach a work activity area.

January 22, 2021

Published Date: 2026	SDDOT	WORK ON SHOULDERS	PLATE NUMBER 634.03
			Sheet 1 of 1



■ Channelizing Device

Longitudinal Pedestrian Barricade

Curb parking will be prohibited for at least 50 feet in advance of midblock crosswalk.

Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.

Only the traffic control devices controlling pedestrian flows are shown. Other devices may be needed to control traffic on the streets. Use lane closure signing or ROAD NARROWS signs as needed.

Street lighting should be considered.

For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing sidewalks.

The channelizing devices will be drums or type 2 barricades if traffic control must remain overnight.

January 22, 2021

Published Date: 2026	SDDOT	SIDEWALK CLOSURES AND PEDESTRIAN DETOURS	PLATE NUMBER 634.33
			Sheet 1 of 1

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PROJECT / SHEET TITLE :
BROOKINGS PARKS TRAILS 2026
PROJECT DETAILS & STANDARD PLATES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

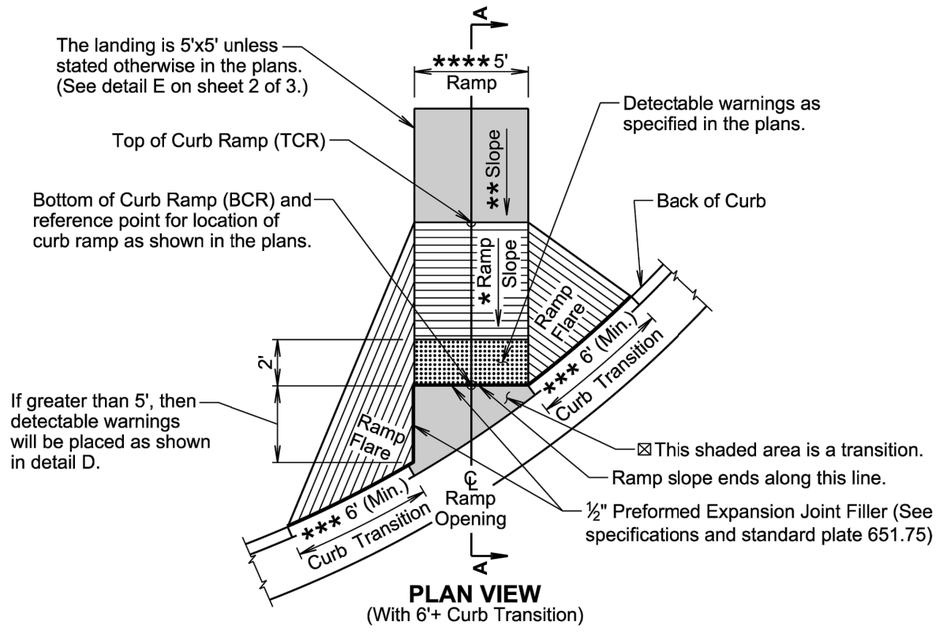
REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
BASIUS
Jason W. Basius
05/07/2026

JOB No,:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
N-1

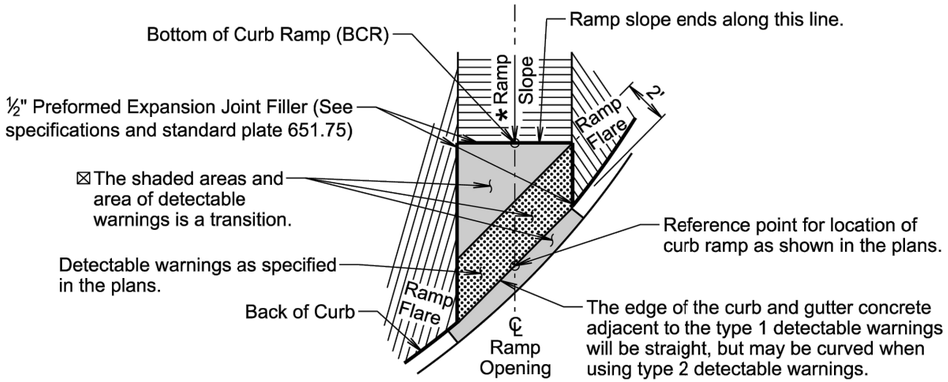
X:\Files\24629-00\Design Phase\CADD\Sheet File\N - Civil Details & Plates.dwg;05/2026



PLAN VIEW
(With 6'+ Curb Transition)

☒ The slope within the transition area will not be steeper than 5%. The concrete within the transition will be placed monolithic with the curb and gutter or fillet section concrete. The concrete thickness within the transition will be the same as the curb and gutter or fillet section concrete thickness.

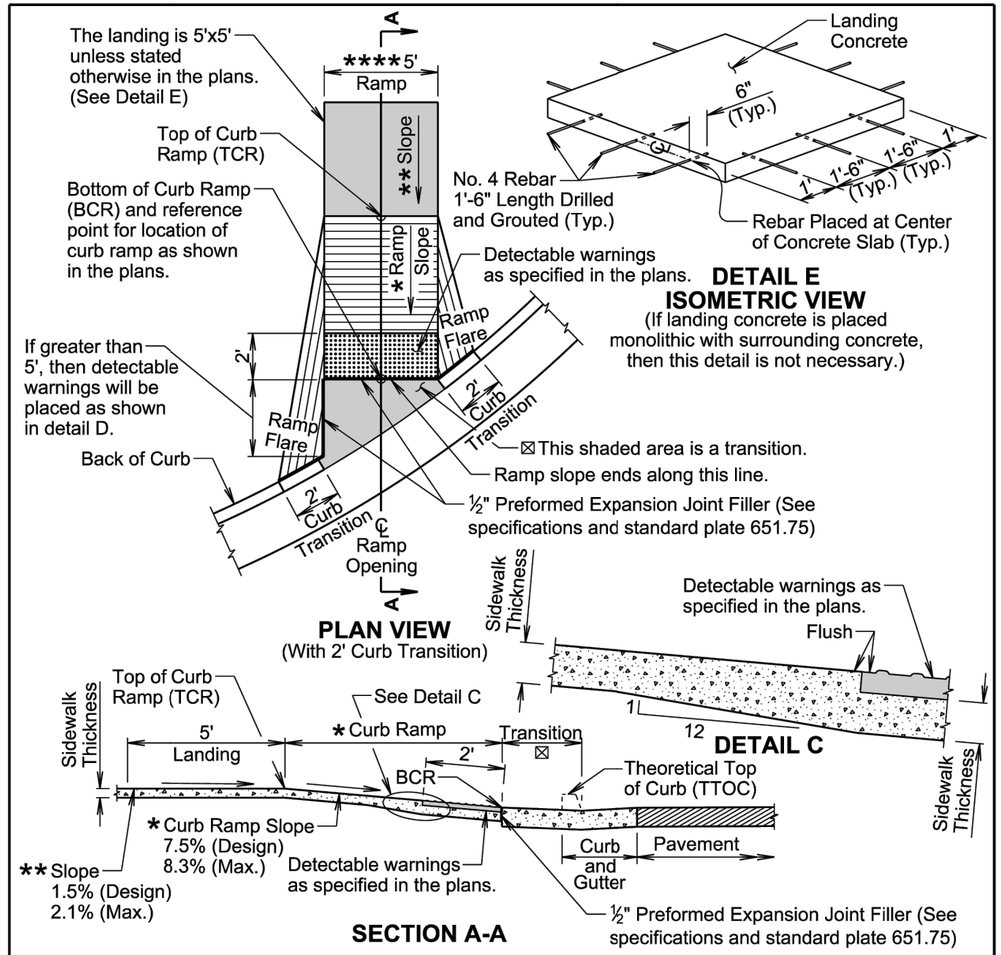
*** The curb transition will be a minimum of 6' long, a maximum of 10' long, and the curb transition slope will not be steeper than 10% unless stated otherwise in the plans. The curb transition length will be adjusted as necessary to meet slope and length requirements based on field geometrics.



DETAIL D

April 8, 2025

Published Date: 2026	SDDOT	TYPE 2 CURB RAMP (DIRECTIONAL CURB RAMP)	PLATE NUMBER 651.02
			Sheet 1 of 3



PLAN VIEW
(With 2' Curb Transition)

DETAIL E
ISOMETRIC VIEW
(If landing concrete is placed monolithic with surrounding concrete, then this detail is not necessary.)

DETAIL C

SECTION A-A

Curb ramp slopes are designed at 7.5% unless stated otherwise in the plans. The curb ramp may have a maximum slope of 8.3% and will not exceed 15' in length unless stated otherwise in the plans.

* The elevation of point TCR will always be higher than the elevation of point TTOC unless specified otherwise in the plans. The curb ramp length dimension as shown in the plans will be adjusted as necessary to meet all slope and length requirements based on field geometrics.

The cross slope of the ramp will not be steeper than 2.1%. Plans are designed using a 1.5% slope unless stated otherwise in the plans.

** The slope in the landing will not be steeper than 2.1% in any direction of pedestrian travel. Plans are designed using a 1.5% slope unless stated otherwise in the plans.

**** The ramp width is 5' unless stated otherwise in the plans.

April 8, 2025

Published Date: 2026	SDDOT	TYPE 2 CURB RAMP (DIRECTIONAL CURB RAMP)	PLATE NUMBER 651.02
			Sheet 2 of 3

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PROJECT / SHEET TITLE :
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PROJECT DETAILS & STANDARD PLATES
CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13788
WILLIAM J. BOLAN
DAKOTA
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
N-2

X:\Files\24629-00\Design Phase\CADD\Sheet File\N - Civil Details & Plates.dwg;05/2026

GENERAL NOTES:

For illustrative purpose only, type 1 detectable warnings are shown in the drawings.

The curb ramp depicted on this standard plate may be used with a PCC fillet section or curb and gutter. The curb ramp will be placed at the location stated in the plans.

Sidewalk will not be placed adjacent to the curb ramp flares when a 2-foot curb transition is used unless shown otherwise in the plans.

* Care will be taken to ensure a uniform grade on the curb ramp, free of sags and short grade changes.

Surface texture of the curb ramp will be obtained by coarse brooming transverse to the slope of the curb ramp.

The normal gutter line profile will be maintained through the area of the ramp opening.

Joints will be sawed or tooled into the concrete adjacent to the detectable warnings to alleviate possible corner cracking.

Care will be taken to ensure that the surface of the detectable warnings are clean and maintains a uniform color.

The detectable warnings will be cut as necessary to fit the plan specified limits of the detectable warnings. Cost for cutting the detectable warnings will be incidental to the corresponding detectable warning contract item.

There will be no separate payment for curb ramps. The curb ramp will be measured and paid for at the contract unit price per square foot for the corresponding concrete sidewalk contract item. The square foot area of the detectable warnings will be included in the measured and paid for quantity of sidewalk.

If rebar is placed in the landing as depicted in DETAIL E, the cost of the materials, labor, and equipment to furnish and install the rebar will be incidental to the contract unit price per square foot for the corresponding concrete sidewalk contract item.

The curb transitions and ramp opening will be measured and paid for at the contract unit price per foot for the corresponding curb and gutter contract item when curb and gutter is used. The curb transitions and ramp opening will be measured and paid for at the contract unit price per square yard for the corresponding PCC fillet section contract item when a PCC fillet section is used.

All costs for furnishing and installing the transition area at the base of the curb ramp will be incidental to the contract unit price per foot for the corresponding curb and gutter contract item when curb and gutter is used and will be incidental to the contract unit price per square yard for the corresponding PCC fillet section contract item when a PCC fillet section is used.

Type 1 detectable warnings will be measured to the nearest square foot. All costs for furnishing and installing type 1 detectable warnings including labor, equipment, materials, and incidentals will be paid for at the contract unit price per square foot for "Type 1 Detectable Warnings".

Type 2 detectable warnings will be measured to the nearest square foot. All costs for furnishing and installing type 2 detectable warnings including labor, equipment, and materials, including adhesive, necessary sealant or grout, and necessary grinding will be paid for at the contract unit price per square foot for "Type 2 Detectable Warnings".

April 8, 2025

Published Date: 2026	SDDOT	TYPE 2 CURB RAMP (DIRECTIONAL CURB RAMP)	PLATE NUMBER 651.02
			Sheet 3 of 3

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CITY OF BROOKINGS, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13598
DAKOTA
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
N-3

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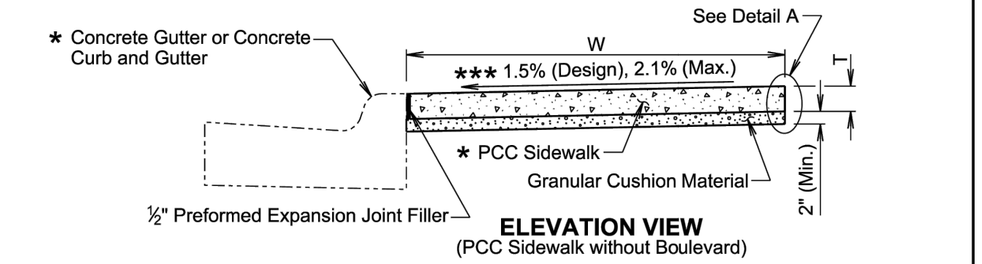
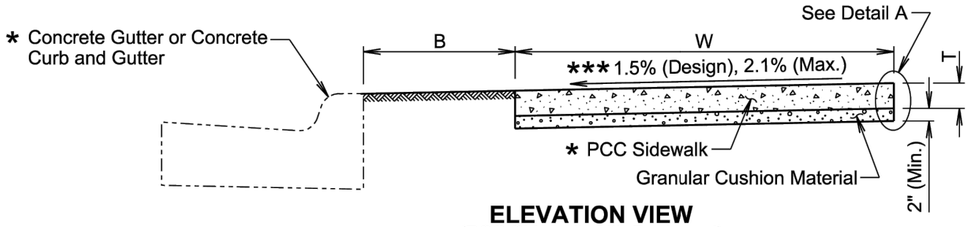


ELEVATION VIEW
(PCC Sidewalk without Boulevard)



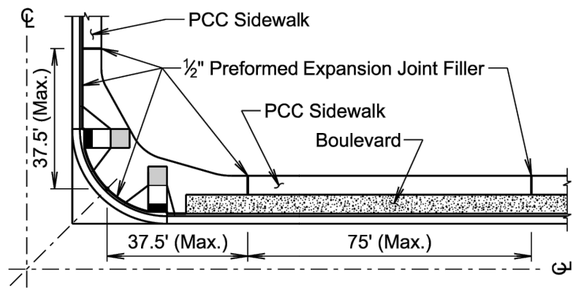
ELEVATION VIEW
(PCC Sidewalk with Boulevard)

B Width of boulevard as specified in the plans.

T Thickness of PCC sidewalk as specified in the plans.

W Width of PCC sidewalk as specified in the plans.

* Type as specified in the plans.



PLAN VIEW

GENERAL NOTES:

The PCC sidewalk will be constructed in accordance with Section 651 of the Specifications.

*** The cross slope of the sidewalk is designed at 1.5% and the maximum slope allowed is 2.1% unless specified otherwise in the plans.

The maximum length between expansion joints in the PCC sidewalk is 75 feet.

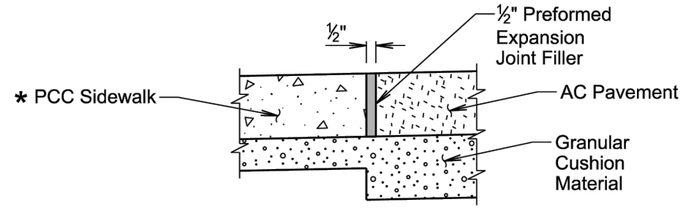
PCC sidewalk placed adjacent to intersection of roadways will have an expansion joint placed transversely a maximum of 37.5 feet from the intersection. See Plan View.

An expansion joint in the PCC sidewalk will consist of a ½ -inch thick preformed expansion joint filler material placed full depth and width of the PCC sidewalk.

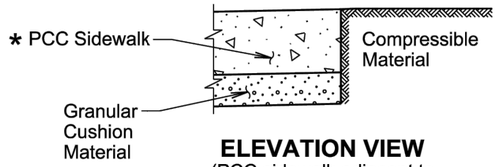
** Large areas of PCC pavement adjacent to the PCC sidewalk may require a different joint treatment than shown in the detail. If a different joint detail is necessary, plans will contain the joint detail and the Contractor will construct the joint treatment in accordance with the plans.

April 8, 2025

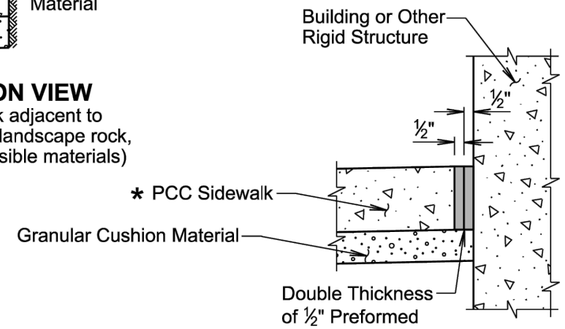
Published Date: 2026	SDDOT	PCC SIDEWALK	PLATE NUMBER 651.75
			Sheet 1 of 2



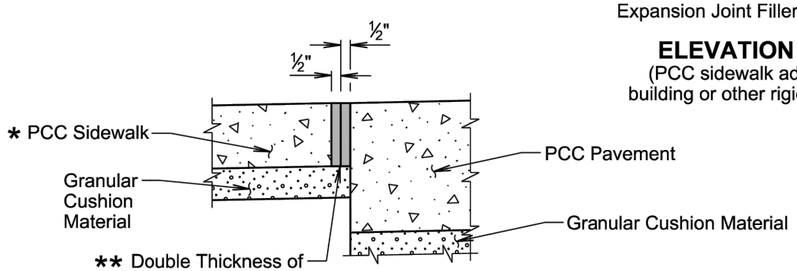
ELEVATION VIEW
(PCC sidewalk adjacent to asphalt concrete pavement)



ELEVATION VIEW
(PCC sidewalk adjacent to earthen material, landscape rock, or other compressible materials)



ELEVATION VIEW
(PCC sidewalk adjacent to building or other rigid structure)



ELEVATION VIEW
(PCC sidewalk adjacent to PCC pavement)

DETAIL A
(Use Appropriate Detail(s))

April 8, 2025

Published Date: 2026	SDDOT	PCC SIDEWALK	PLATE NUMBER 651.75
			Sheet 2 of 2

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REV.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
REG NO. 13589
EJASIUS
05/07/2026

JOB No.:	24629.00
DATE:	MAY 2026
ENG / ARCH:	WJB
DESIGNER:	EJK
TECHNICIAN:	EJK

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
N-4

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