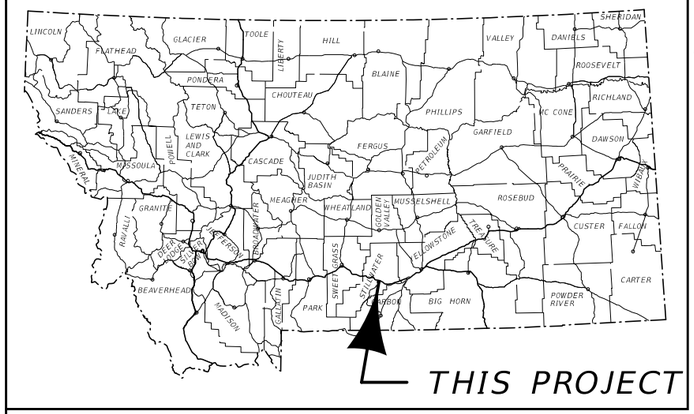
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MONTANA DEPARTMENT OF TRANSPORTATION

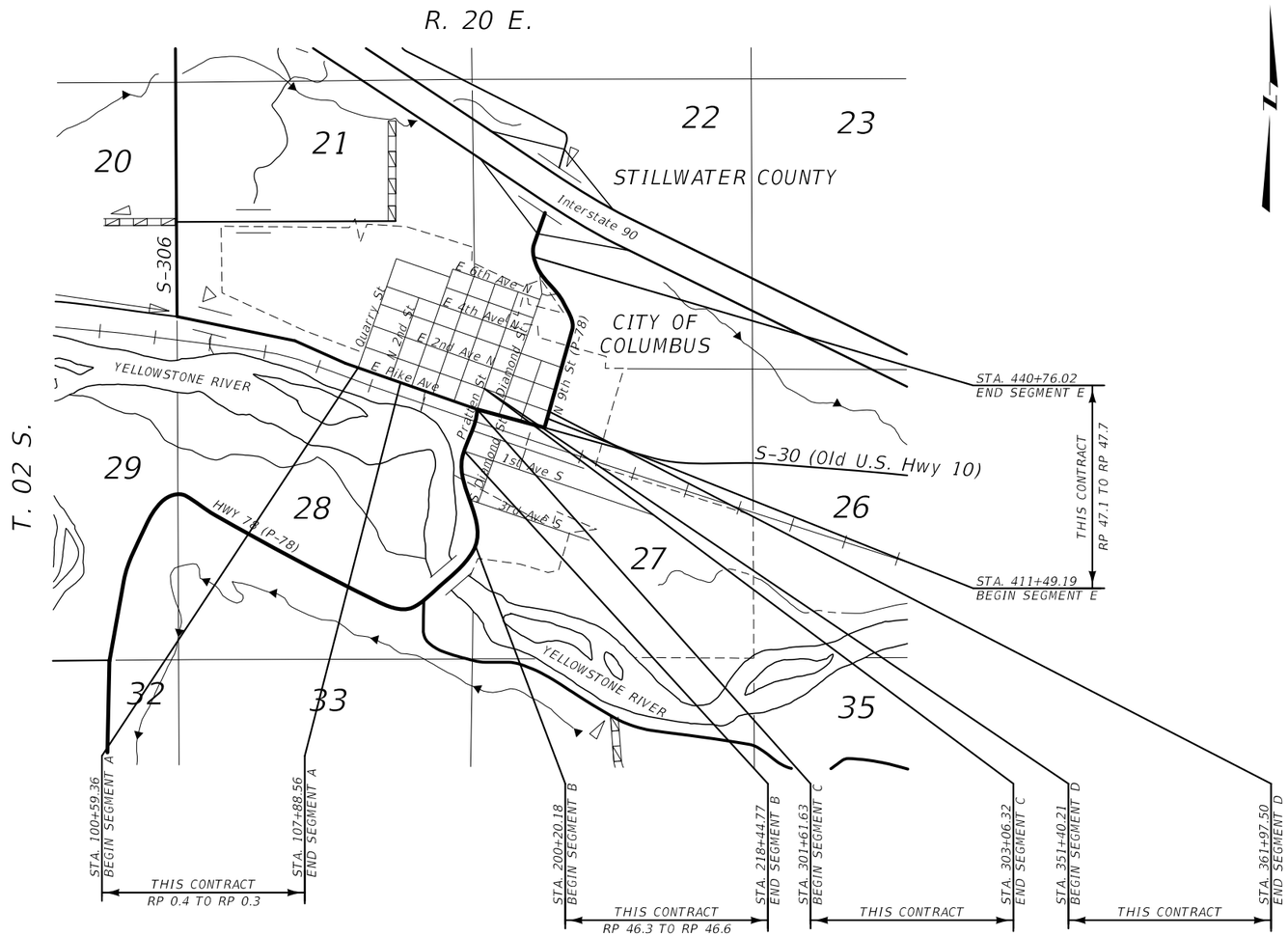


FEDERAL AID PROJECT TA 48(55)
SIDEWALKS, PMS, ADA CURB RAMPS
HWY 78 PATH & WALKS - COLUMBUS
STILLWATER COUNTY

LETTING DATE - _____

SURFACING SOURCES -
CONTRACTOR FURNISHED

LENGTH 1.5 MILES



PLANS PREPARED BY
SANDERSON STEWART
Enduring Community Design
1300 North Transtech Way
Billings, Montana 59102
Phone: 406.656.5255
www.sandersonstewart.com

ASSOCIATED PROJECT AGREEMENT NUMBERS	
R / W	TA 48(57)
I.C.	
P. E.	TA 48(54)

SANDERSON STEWART

APPROVED BY:

CONSULTANT DESIGN ENGINEER

MONTANA PROFESSIONAL ENGINEER
TESSA M. WERMERS
49506 PE
LICENSED

DocuSigned by:
Tessa M. Wermers 3/28/2022
2693596081D54B2... DATE

MONTANA
DEPARTMENT OF TRANSPORTATION

RECEIVED BY: CONSULTANT DESIGN ENGINEER

DocuSigned by:
Ryan Dahl 4/4/2022
DF46B2DA0A0447B... DATE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDTT01.dgn	DESIGNED BY			ROAD PLANS
2		1/13/2022	REVIEWED BY			UPN 9449000
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SANDERSON STEWART

NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3750 LBS. PER CUBIC YARD
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 4167 LBS. PER CUBIC YARD
ASPHALT CEMENT - GRADE S - 3/8" AGG.	= 6.2% OF PL.MIX BIT.SURF.
HYDRATED LIME	= 1.4% OF PL.MIX BIT.SURF.
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT TACK	= 0.05 GAL. PER SQ.YARD (UNDILUTED)

CLEARING AND GRUBBING

CLEAR AND GRUB TO CONSTRUCTION LIMITS. INCLUDE THE COST OF CLEARING AND GRUBBING IN THE UNIT PRICE BID FOR UNCLASSIFIED EXCAVATION.

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

PEDESTRIAN FACILITIES

CROSS SLOPE ON ALL PEDESTRIAN FACILITIES IS NOT TO EXCEED 2% MAXIMUM SLOPE.

LEGEND

NEW 6" SIDEWALK FACILITY

NEW PLANT MIX PATH FACILITY

NEW 4" SIDEWALK FACILITY

PLANT MIX SAW-CUTS

SAW CUT ALL PLANT MIX CONNECTIONS TO A NEAT EDGE. PAYMENT FOR SAWCUTS IS INCLUDED IN THE UNIT BID PRICE FOR PLANT MIX SURFACING.

PLANT MIX SURFACING

PROVIDE NEW PLANT MIX SURFACING FOR ROADWAY AREAS AT LOCATIONS INDICATED IN THE PLANS.

LEGEND

NEW PLANT MIX ROAD FACILITY

PUBLIC LAND SURVEY MONUMENTS

ALL MONUMENTS TO BE REMOVED AND RELOCATED OR RESET BY STATE FORCES.

DO NOT DISTURB

DO NOT DISTURB EXISTING VEGETATION BEYOND THE CONSTRUCTION LIMITS NECESSARY TO COMPLETE THE WORK.

MISC. TO BE MOVED OR REMOVED BY OTHERS

ALL PRIVATELY OWNED SIGNS TO BE REMOVED BY OWNER.

STATIONING - REFERENCE POSTS

STATIONING ON SEGMENT A RUNS FROM WEST TO EAST. REFERENCE POSTS RUN FROM EAST TO WEST.

STATIONING AND REFERENCE POSTS ON SEGMENTS B AND E RUN FROM SOUTH TO NORTH.

EXISTING R/W

EXISTING R/W WAS DETERMINED BY FOUND PROPERTY CORNER EVIDENCE ALONG HIGHWAY 78, PIKE AVENUE, PRATTEN STREET, 1ST AVENUE, NORTH 9TH STREET, AND INFORMATION PROVIDED ON THE FOLLOWING RECORDED SURVEYS:
CERTIFICATE OF SURVEY No. 197308
CERTIFICATE OF SURVEY No. 260752
CERTIFICATE OF SURVEY No. 286910
CERTIFICATE OF SURVEY No. 297129
CERTIFICATE OF SURVEY No. 290069
EAST SIDE ADDITION TO THE TOWN OF STILLWATER (COLUMBUS)
COUNTRYMAN'S FIRST ADDITION TO THE TOWN OF STILLWATER, MONTANA (COLUMBUS)
HUNTER'S ADDITION TO THE TOWN OF STILLWATER (COLUMBUS)
LAVELLE'S ADDITION TO THE TOWN OF STILLWATER (COLUMBUS)
MYERS & NICE ADDITION TO COLUMBUS
PARK ADDITION TO THE TOWN OF COLUMBUS
TWO RIVERS SUBDIVISION, AMENDED PLAT OF LOTS A, B, & C
PLAT No. 192594
PLAT No. 204523
PLAT OF APPLE VILLAGE

SECTION LINES

SECTION LINES WERE DETERMINED FROM FOUND PLSS MONUMENTS AND CALCULATED POSITIONS USING CALLS FROM THE FOLLOWING RECORDED DOCUMENTS:
CERTIFICATE OF SURVEY No. 286910
CERTIFIED CORNER RECORD No. 212949
CERTIFIED CORNER RECORD No. 291778
LAVELLE'S ADDITION TO THE TOWN OF STILLWATER (COLUMBUS)
PARK ADDITION TO THE TOWN OF COLUMBUS

SUBDIVISIONAL LINES (16TH LINES) WERE LOCATED AT MID-POINT ON SECTION LINES FOR REFERENCE.

WETLANDS

WETLANDS EXIST ADJACENT TO THE ROADWAY AND MAY EXIST BEYOND THE PROJECT LIMITS. WETLAND AREAS AND PERMANENT WETLAND IMPACT AREAS WITHIN THE PROJECT LIMITS HAVE BEEN DELINEATED AND ARE SHOWN ON THE PLANS. ANY ACTION IMPACTING WETLAND AREAS OUTSIDE OF THE PERMANENT IMPACT AREAS SHOWN IS THE RESPONSIBILITY OF THE CONTRACTOR.

DELINEATED WETLAND AREAS

PERMANENT WETLAND IMPACTED AREAS

WETLAND DELINEATION TABLE

WETLAND DESIGNATION	STATION FROM	STATION TO	WETLAND AREA (acres) DELINEATED AREA	WETLAND AREA (acres) PERMANENT IMPACTED AREA	REMARKS
WETLAND 1A	204+04	205+24	0.042	0.002	RT - SEGMENT B
WETLAND 1B	203+41	203+98	0.026	0.002	RT - SEGMENT B
WETLAND 2	422+58	422+65	0.003	0.000	LT - SEGMENT E
TOTAL			0.07	0.01	

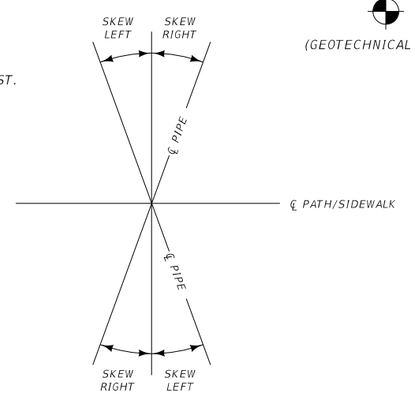
SOILS INFORMATION

SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION. THE LOCATION OF GEOTECHNICAL BORINGS AND HAND AUGERS IS SHOWN ON THE PLAN VIEW WITH THE FOLLOWING SYMBOLS:

BORING NUMBER (GEOTECHNICAL BORING)

HA (HAND AUGER)

SKEW DIAGRAM



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDTTSHEET.dgn	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
		1/13/2022	REVIEWED BY				
1		11:20:14 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 2

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NOTES

APPROACHES (For Information Only/ Incl in Additional Surfacing Frame)

STATION	TYPE	linear feet				DR. APP. RAMP STYLE	EXISTING SURFACING	PROPOSED SURFACING SECTION	PROPOSED SURFACE	tons	square yards	cubic yards	gallons	REMARKS
		WIDTH *	RADIUS *		LENGTH (TBC/EOP TO R/W) ##					COMM. PL. MIX - 3/8" PG 58-28	6" CONC.	CRUSHED AGG. COURSE	EMULSIFIED ASPHALT TACK **	
			LEFT	RIGHT										
SEGMENT A														
103+24	PRIVATE	49.4	-	-	27.7	-	GRAVEL	A	NEW ASPHALT	16		28	6	PAVE TO PATH THEN PAVE TO R/W
104+03	PRIVATE	49.5	-	-	27.8	-	GRAVEL	A	NEW ASPHALT	16		28	6	PAVE TO PATH THEN PAVE TO R/W
105+94	PUBLIC	-	-	20	-	-	ASPHALT	-	-					2ND ST. N; SEE SIDEWALK DETAIL
107+45	PRIVATE	20.0	%	%	26.0	PARA.	GRAVEL	A/C	NEW ASPHALT/GRAVEL	1		5	1	PAVE TO R/W THEN GRAVEL
SEGMENT B														
202+88	FARM FIELD	20.0	25	25	32.8	-	GRASS	A/C	NEW ASPHALT/GRAVEL	6		42	3	PAVE TO PATH THEN GRAVEL
208+23	PRIVATE	20.0	25	25	34.5	-	ASPHALT/GRAVEL	A/C	NEW ASPHALT/GRAVEL	12		33	5	PAVE TO R/W THEN GRAVEL
211+53	PUBLIC	-	-	-	-	-	ASPHALT	-	-					THIRD AVE. S
215+00	PUBLIC	-	-	-	-	-	ASPHALT	-	-					PALLADIUM PLACE
216+64	PRIVATE	40.0	-	-	13.6	-	ASPHALT	A	NEW ASPHALT	7		9	3	PAVE BEHIND SIDEWALK - JOINT USE
218+12	PRIVATE	18.0	-	-	23.6	-	GRAVEL	A	NEW ASPHALT	5		12	2	GRAVEL BEHIND SIDEWALK
218+63	PUBLIC	-	-	-	-	-	ASPHALT	-	-					1ST AVE. S; SEE SIDEWALK DETAIL
SEGMENT C														
301+76	PUBLIC	20.1	%	%	-	PERP.	CONCRETE	B	NEW CONCRETE					ALLEY; SEE APPROACH DETAIL
302+47	PRIVATE	14.8	%	%	-	PERP.	CONCRETE	B	NEW CONCRETE					SEE APPROACH DETAIL
302+91	PRIVATE	19.9	%	%	-	PERP.	CONCRETE	B	NEW CONCRETE					SEE APPROACH DETAIL
SEGMENT D														
352+70	PRIVATE	22.0	-	-	18.1	PERP.	GRAVEL	B/C	NEW CONCRETE/GRAVEL			2		GRAVEL BEHIND SIDEWALK
354+76	PUBLIC	-	-	-	-	-	ASPHALT	-	-					DIAMOND STREET; SEE SIDEWALK DETAIL
358+56	PUBLIC	-	-	-	-	-	ASPHALT	-	-					ALLEN STREET
359+63	PRIVATE	10.8	-	-	17.8	PERP.	GRAVEL	B/C	NEW CONCRETE/GRAVEL			1		GRAVEL BEHIND SIDEWALK
SEGMENT E														
412+93	PUBLIC	26.6	%	%	-	PERP.	GRAVEL/CONCRETE	B	NEW CONCRETE		4	1		BEHIND SIDEWALK USE CONCRETE TO MATCH EX. DRIVEWAY AND GRAVEL IN ALLEY, PRIVATE APPROACH ACCESS
414+79	PUBLIC	26.8	15	15	-	-	ASPHALT	-	-					SECOND AVE. N; SEE SIDEWALK DETAIL
415+48	PRIVATE	12.9	%	%	17.9	PERP.	ASPHALT	A	NEW ASPHALT	1		1	1	PAVE BEHIND SIDEWALK
416+54	PUBLIC	20.1	%	%	-	PERP.	GRAVEL	B/C	NEW CONCRETE/GRAVEL			1		ALLEY; GRAVEL BEHIND SIDEWALK
417+23	PRIVATE	19.9	%	%	17.8	PERP.	GRAVEL	B/C	NEW CONCRETE/GRAVEL			2		GRAVEL BEHIND SIDEWALK
418+50	PUBLIC	25.6	15	16	-	-	ASPHALT	-	-					THIRD AVE. N; SEE SIDEWALK DETAIL
419+54	PRIVATE	15.9	%	%	17.7	PERP.	GRAVEL	B/C	NEW CONCRETE/GRAVEL			1		GRAVEL BEHIND SIDEWALK
420+27	PUBLIC	19.8	%	%	-	PERP.	GRAVEL	B/C	NEW CONCRETE/GRAVEL			1		ALLEY; GRAVEL BEHIND SIDEWALK
420+75	PRIVATE	31.8	%	%	18.3	PERP.	GRAVEL	B/A	NEW CONCRETE/ASPHALT	6		9	3	PAVE BEHIND SIDEWALK
421+68	PRIVATE	22.6	%	%	18.3	PERP.	GRAVEL	B/A	NEW CONCRETE/ASPHALT	2		3	1	PAVE BEHIND SIDEWALK
422+27	PUBLIC	30.1	14	23	-	-	ASPHALT	-	-					FOURTH AVE. N; SEE SIDEWALK DETAIL
426+83	FARM FIELD	24.0	17	17	67.5 #	-	GRAVEL	A/C	NEW ASPHALT/GRAVEL	6		46	3	PAVE TO PATH THEN GRAVEL TO BACK OF APPROACH
430+42	PRIVATE	40.0	18	19	49.2 #	-	ASPHALT	A	NEW ASPHALT	22		41	9	PAVE TO PATH THEN PAVE TO BACK OF APPROACH
432+83	PRIVATE	30.0	45	25	30.2 #	-	ASPHALT	A	NEW ASPHALT	11		21	4	PAVE TO PATH THEN PAVE TO BACK OF APPROACH
436+28	PUBLIC	-	-	-	-	-	ASPHALT	-	-					DIAMOND ST.
SUBTOTAL	PRIVATE									99	0	196	41	
SUBTOTAL	FARM FIELD									12	0	88	6	
SUBTOTAL	PUBLIC									0	4	3	0	

APPROACHES

CONSTRUCT FARM FIELD AND PRIVATE APPROACHES TO A 24' FINISHED TOP ON A 35' SUBGRADE UNLESS NOTED OTHERWISE IN THE PLANS.

CONSTRUCT APPROACHES TO THE WIDTHS SPECIFIED IN THE APPROACHES SUMMARY FRAME.

RE-SURFACE APPROACHES PER LIMITS SHOWN IN PLANS.

PROVIDE THE FOLLOWING SURFACING SECTIONS TO APPROACHES AS DENOTED IN THE SURFACING SUMMARY FRAME:

SURFACING SECTION A:

0.20' 3/8" PLANT MIX BITUMINOUS SURF.
0.60' CRUSHED AGGREGATE COURSE

SURFACING SECTION B:

6" CONCRETE
6" CRUSHED AGGREGATE COURSE

SURFACING SECTION C:

0.60' CRUSHED AGGREGATE COURSE

APPROACH SUMMARY FRAME FOOTNOTES:

UNLESS OTHERWISE NOTED UNDER PROPOSED SURFACE, SURFACE APPROACH TO CONSTRUCTION LIMITS USING THE NOTED APPROACH SURFACING SECTION.

* WIDTH AND RADII ARE DIMENSIONED TO TOP BACK OF CURB, WHERE APPLICABLE.

** BASED ON 1 APPLICATIONS

% DRIVE APPROACH (SEE DETAILS)
CONCRETE QUANTITY ONLY INCLUDES CONCRETE BEYOND THE LIMITS OF THE SIDEWALK.
SEE SIDEWALK SUMMARY FOR CONCRETE INCLUDED IN DRIVE APPROACH TO BACK OF SIDEWALK.

LENGTH IS MEASURED FROM EXISTING TOP BACK OF CURB TO BACK OF APPROACH.

LENGTH IS MEASURED FROM EXISTING TOP BACK OF CURB OR EXISTING ROAD SHOULDER TO R/W.

SANDERSON STEWART

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SEGMENT A ALIGNMENT COORDINATE TABLE				
STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
100+00.00	POT	506,433.559	2,029,811.871	
100+59.36	POT	506,414.546	2,029,868.105	BEGIN SEGMENT A
100+66.47	PC	506,412.270	2,029,874.837	
100+74.61	PI	506,409.663	2,029,882.547	
100+82.65	PRC	506,405.097	2,029,889.284	
100+91.55	PI	506,400.101	2,029,896.654	
101+00.32	PT	506,397.461	2,029,905.157	
106+31.27	PC	506,240.021	2,030,412.225	
106+34.36	PI	506,239.107	2,030,415.171	
106+37.12	PT	506,240.529	2,030,417.908	
106+43.92	PC	506,243.662	2,030,423.937	
106+49.08	PI	506,246.040	2,030,428.512	
106+53.70	PT	506,244.500	2,030,433.433	
107+88.56	POT	506,204.234	2,030,562.141	END SEGMENT A
108+13.34	POT	506,196.837	2,030,585.787	

GPK NAME: JOBR49.GPK CHAIN NAME: DESIGN_A PROFILE NAME: PRO_A

SEGMENT B ALIGNMENT COORDINATE TABLE				
STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
200+00.00	POT	503,282.413	2,031,627.754	
200+20.09	PC	503,300.349	2,031,636.799	
200+20.18	POC	503,300.428	2,031,636.838	BEGIN SEGMENT B
200+61.48	PI	503,337.311	2,031,655.436	
200+92.56	PRC	503,367.857	2,031,627.500	
201+15.61	PI	503,384.866	2,031,611.944	
201+36.57	PT	503,407.915	2,031,611.777	
202+31.23	PC	503,502.568	2,031,611.092	
202+42.76	PI	503,514.101	2,031,611.008	
202+54.02	PRC	503,524.843	2,031,615.206	
202+65.60	PI	503,535.631	2,031,619.422	
202+76.90	PT	503,547.213	2,031,619.320	
202+93.57	PC	503,563.882	2,031,619.172	
203+05.03	PI	503,575.346	2,031,619.071	
203+16.22	PRC	503,585.964	2,031,614.750	
203+27.70	PI	503,596.595	2,031,610.425	
203+38.90	PT	503,608.071	2,031,610.328	
207+65.72	PC	504,034.872	2,031,606.728	
207+75.90	PI	504,045.049	2,031,606.642	
207+85.88	PRC	504,054.685	2,031,609.917	
207+95.92	PI	504,064.191	2,031,613.148	
208+05.78	PT	504,074.231	2,031,613.108	
208+42.65	PC	504,111.098	2,031,612.961	
208+54.07	PI	504,122.519	2,031,612.916	
208+65.39	PRC	504,133.636	2,031,610.296	
208+76.44	PI	504,144.396	2,031,607.761	
208+87.41	PT	504,155.449	2,031,607.636	
210+10.35	PC	504,278.380	2,031,606.255	
210+15.38	PI	504,283.417	2,031,606.199	
210+20.40	PRC	504,288.393	2,031,606.983	
210+24.67	PI	504,292.610	2,031,607.647	
210+28.92	PT	504,296.878	2,031,607.708	
213+87.90	PC	504,655.848	2,031,604.933	
213+91.78	PI	504,659.729	2,031,604.903	
213+95.65	PRC	504,663.573	2,031,604.373	
214+03.45	PI	504,671.295	2,031,603.309	
214+11.16	PRC	504,679.032	2,031,604.254	
214+15.04	PI	504,682.885	2,031,604.724	
214+18.91	PT	504,686.766	2,031,604.694	
215+42.79	PC	504,810.642	2,031,603.736	
215+46.67	PI	504,814.523	2,031,603.706	
215+50.54	PRC	504,818.368	2,031,603.176	
215+54.42	PI	504,822.213	2,031,602.647	
215+58.29	PT	504,826.094	2,031,602.617	
216+27.96	PC	504,895.762	2,031,602.078	
216+31.84	PI	504,899.643	2,031,602.048	
216+35.71	PRC	504,903.496	2,031,602.518	
216+39.59	PI	504,907.348	2,031,602.988	
216+43.46	PT	504,911.229	2,031,602.958	
216+96.83	PC	504,964.596	2,031,602.546	
216+99.97	PI	504,967.733	2,031,602.521	
217+03.06	PT	504,970.728	2,031,603.459	
218+44.77	POT	505,105.967	2,031,645.808	END SEGMENT B
219+22.62	POT	505,180.262	2,031,669.073	

GPK NAME: JOBR49.GPK CHAIN NAME: DESIGN_B PROFILE NAME: PRO_B

LINEAR AND LEVEL DATA

BEARING SOURCE

GRID -- MONTANA COORDINATE SYSTEM NAD 83
HORIZONTAL DATUM - NAD83(2011)

LEVEL DATUM SOURCE

NAVD 88 (GNSS DERIVED ELEVATIONS USING GEOID 12A AND HOLDING AVERAGED NGS OPUS DERIVED ELEVATIONS FOR BMS A9449 AND R9449. ELEVATIONS FOR B9449 TO P9449 WERE DERIVED FROM AVERAGED GNSS OBSERVATIONS HOLDING BMS A9449 AND R9449)

CONTROL NOTE

THIS PROJECT IS ON THE MONTANA COORDINATE SYSTEM NAD83. NORTHING AND EASTING COORDINATES ARE EXPRESSED IN UNITS OF INTERNATIONAL FEET AND ELEVATIONS ARE IN UNITS OF U.S. SURVEY FEET.

DIMENSIONS SHOWN ON THE PLANS ARE GRID. ALL SURVEY AND STAKING REQUIRE THE USE OF A COMBINATION SCALE FACTOR (CSF) TO CONVERT GRID DIMENSIONS TO GROUND DIMENSIONS (GRID DISTANCE DIVIDED BY CSF = GROUND DISTANCE). THE CSF FOR THIS PROJECT IS 0.99950828.

SEGMENT C ALIGNMENT COORDINATE TABLE				
STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
300+00.00	POT	505,801.036	2,031,788.371	
301+61.63	POT	505,955.035	2,031,837.457	BEGIN SEGMENT C
303+06.32	POT	506,092.886	2,031,881.396	END SEGMENT C
303+60.00	POT	506,144.033	2,031,897.700	

GPK NAME: JOBR49.GPK CHAIN NAME: DESIGN_C PROFILE NAME: PRO_C

SEGMENT D ALIGNMENT COORDINATE TABLE				
STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
350+00.00	POT	506,202.013	2,031,851.857	
351+40.21	POT	506,160.041	2,031,985.635	BEGIN SEGMENT D
361+97.50	POT	505,843.535	2,032,994.442	END SEGMENT D
362+00.00	POT	505,842.787	2,032,996.827	

GPK NAME: JOBR49.GPK CHAIN NAME: DESIGN_D PROFILE NAME: PRO_D

SEGMENT E ALIGNMENT COORDINATE TABLE				
STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
410+00.00	POT	505,702.851	2,032,952.906	
411+49.19	POT	505,845.182	2,032,997.627	BEGIN SEGMENT E
423+40.21	PC	506,981.432	2,033,354.645	
427+78.17	PI	507,399.251	2,033,485.926	
431+50.37	PT	507,751.160	2,033,225.221	
436+58.45	PC	508,159.412	2,032,922.775	
437+33.16	PI	508,219.446	2,032,878.300	
438+07.50	PRC	508,286.249	2,032,844.845	
438+56.73	PI	508,330.272	2,032,822.798	
438+93.32	PRC	508,324.405	2,032,773.914	
439+11.46	PI	508,322.243	2,032,755.900	
439+22.79	PT	508,339.962	2,032,751.999	
440+76.02	POT	508,489.609	2,032,719.050	END SEGMENT E
441+75.54	POT	508,586.800	2,032,697.651	

GPK NAME: JOBR49.GPK CHAIN NAME: DESIGN_E PROFILE NAME: PRO_E

SANDERSON STEWART

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDTT01.dgn	DESIGNED BY			ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY			STILLWATER COUNTY		UPN 9449000 SHEET 4
		11:20:19 AM kedam	CHECKED BY					

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CONTROL DIAGRAM

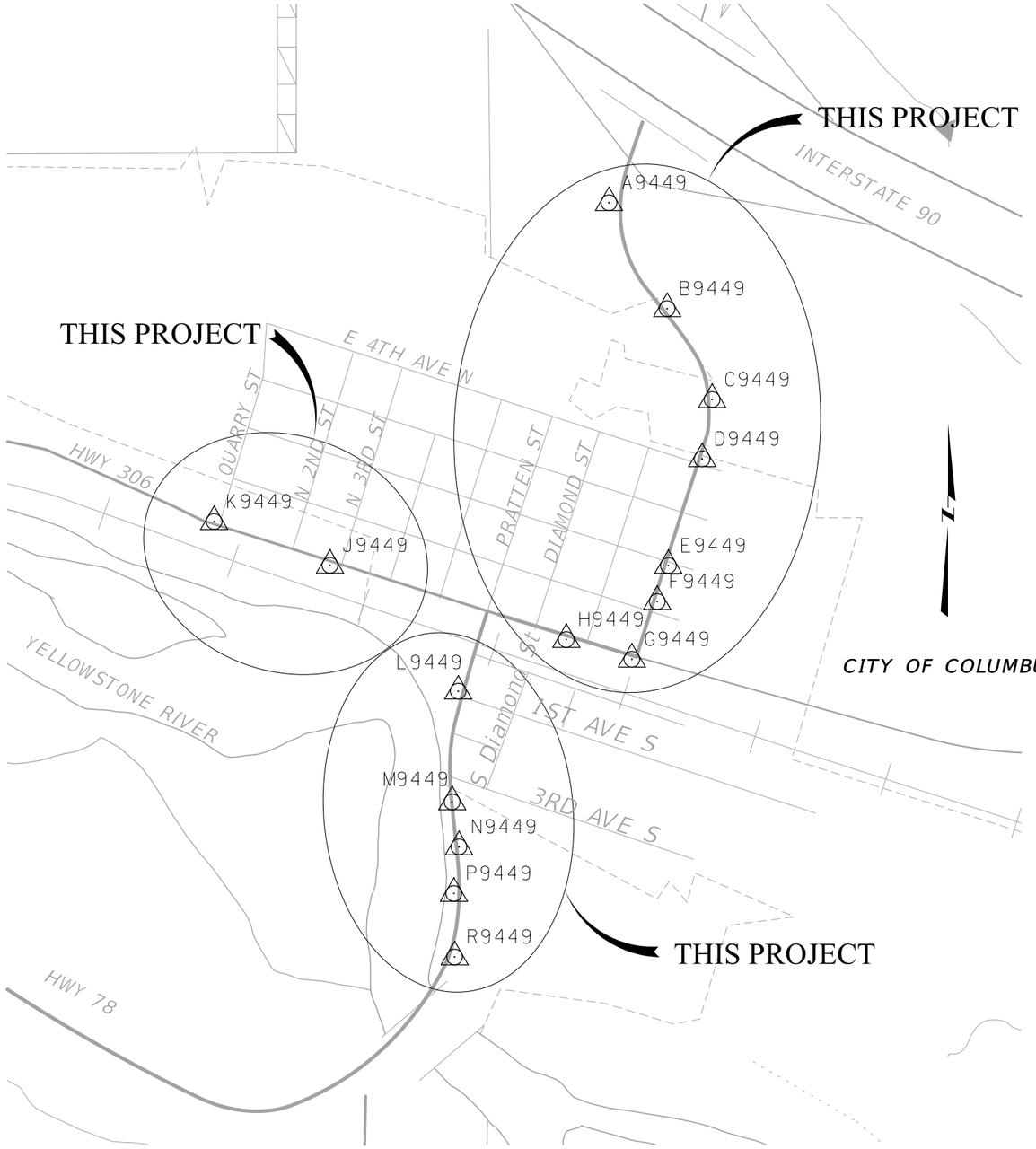
SCALE: 1" = 500'

NOTE:
THIS PROJECT IS ON THE MONTANA COORDINATE SYSTEM NAD83-2011. NORTHING AND EASTING COORDINATES ARE EXPRESSED IN UNITS OF INTERNATIONAL FEET AND ELEVATIONS ARE IN UNITS OF U.S. SURVEY FEET.

DIMENSIONS SHOWN ON THE PLANS ARE GRID. ALL SURVEY AND STAKING REQUIRE THE USE OF A COMBINATION SCALE FACTOR (CSF) TO CONVERT GRID DIMENSIONS TO GROUND DIMENSIONS (GRID DISTANCE / CSF = GROUND DISTANCE). THE CSF FOR THIS PROJECT IS 0.99950828.

CONTROL ABSTRACT

POINT NAME/NUMBER	N OR Y COORDINATE INT. FT.	E OR X COORDINATE INT. FT.	POINT ELEVATION U.S. FT.	LOCATION AND DESCRIPTION
A9449	508,771.472	2,032,707.368	3613.67	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "A9449 2018" NORTH OF GRANITE PEAK PARK APPROACH, 12.6' W OF BARBED-WIRE FENCE AND 16.6' NW OF A TELEPHONE PEDESTAL. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
B9449	507,992.901	2,033,135.025	3603.66	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "B9449 2018" NORTH OF TRUCK STOP PARKING LOT APPROACH, 19.2' NORTHWEST OF STOP SIGN AND 8.2' BEHIND CURB. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
C9449	507,324.561	2,033,465.806	3592.29	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "C9449 2018" NORTH OF THE FAMILY DOLLAR STORE'S NORTHERN APPROACH, 9.0' NORTHEAST OF REFLECTOR AND 12.9' BEHIND CURB. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
D9449	506,888.741	2,033,392.476	3584.43	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "D9449 2018" NORTHEAST OF THE E 4TH AVE N AND N 9TH ST INTERSECTION, 17.1' SOUTH OF 45 MPH SIGN AND 13.9' NORTHWEST OF STOP SIGN. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
E9449	506,103.654	2,033,144.338	3581.79	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "E9449 2018" SOUTHEAST OF THE 2ND AVE AND N 9TH ST INTERSECTION, 10.4' SOUTH OF PC OF CURB AND 4.1' BEHIND CURB. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
F9449	505,838.893	2,033,062.559	3581.31	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "F9449 2018" NORTHEAST OF THE 1ST AVE AND N 9TH ST INTERSECTION, 27.1' NORTH OF DROP INLET ON THE NORTHEAST CORNER OF THE INTERSECTION AND 7.5' PERPENDICULAR TO EDGE OF PAVEMENT. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
G9449	505,415.033	2,032,875.988	3579.90	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "G9449 2018" SOUTH OF PIKE AVE AND N 9TH ST INTERSECTION, 14.8' NORTHWEST OF THE WESTERN MOST POST OF THE ABSAROKEE/RAPELJE SIGN AND 10.9' PERPENDICULAR TO EDGE OF PAVEMENT. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
H9449	505,559.918	2,032,393.249	3580.71	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "H9449 2018" EAST OF THE PARKING LOT LOCATED SOUTH OF THE BIG SKY MOTEL (ACROSS THE STREET), 25.4' WEST OF THE NORTHERN POST OF THE MOTEL SIGN AND 13.6' PERPENDICULAR TO EDGE OF PAVEMENT. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
J9449	506,105.623	2,030,655.892	3587.62	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "J9449 2018" SOUTHWEST OF PIKE AVE AND 3RD ST INTERSECTION, 28.0' EAST OF LIGHT POLE AND 37.0' NORTHWEST OF SIGN POST. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
K9449	506,427.179	2,029,804.252	3604.80	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "K9449 2018" NORTHWEST OF PIKE AVE AND QUARRY ST INTERSECTION, 39.4' WEST OF QUARRY STREET CL AND 6.3' PERPENDICULAR TO THE NORTHERN PIKE AVE EDGE OF PAVEMENT. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
L9449	505,179.657	2,031,598.617	3581.92	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "L9449 2018" NORTHEAST OF THE 1ST AVE S AND US HIGHWAY 78 INTERSECTION, 7.7' SOUTH OF AIRPORT SIGN AND 2.6' EAST OF SIDEWALK. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
M9449	504,366.215	2,031,554.243	3576.33	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "M9449 2018" SOUTHWEST OF THE 3RD AVE S AND US HIGHWAY 78 INTERSECTION, 51.6' NORTH OF THE POWER POLE LOCATED SOUTH OF THE WEST LEG OF THE INTERSECTION AND 8.3' WEST OF US HIGHWAY 78 EDGE OF PAVEMENT. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
N9449	504,035.352	2,031,604.256	3577.09	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "N9449 2018" SOUTH OF THE PRIVATE APPROACH LOCATED APPROX. 320' SOUTH OF THE 3RD AVE S AND US HIGHWAY 78 INTERSECTION, 34.2' SOUTH OF THE END OF THE GUARDRAIL LOCATED TO THE SOUTH OF THE PRIVATE APPROACH AND 5.3' EAST OF US HIGHWAY 78 EDGE OF PAVEMENT. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
P9449	503,692.453	2,031,566.963	3580.97	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "P9449 2018" LOCATED APPROX. 740' SOUTH OF THE 3RD AVE S AND US HIGHWAY 78 INTERSECTION ON THE WEST SIDE OF US HIGHWAY 78, 58.9' SOUTH OF A ROADSIDE REFLECTOR AND 3.2' WEST OF US HIGHWAY 78 EDGE OF PAVEMENT. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.
R9449	503,225.661	2,031,572.293	3588.33	SET 2 INCH ALUMINUM CAP ON A 5/8 INCH BY 30 INCH REBAR FLUSH WITH GROUND STAMPED "R9449 2018" LOCATED APPROX. 120' SOUTH OF THE ITCH-KEP-PE PARK ENTRANCE ON THE EASTERN SIDE OF US HIGHWAY 78, 68.5' SW OF THE ITCH-KEP-PE PARK ENTRANCE SIGN AND 3.5' PERPENDICULAR TO THE EASTERN US HIGHWAY 78 EDGE OF PAVEMENT. SET WITNESS POST 1 FOOT BEHIND MONUMENT, PERPENDICULAR TO RW.



SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDT01.dgn	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
2		1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 5
		11:20:22 AM kedam	CHECKED BY				

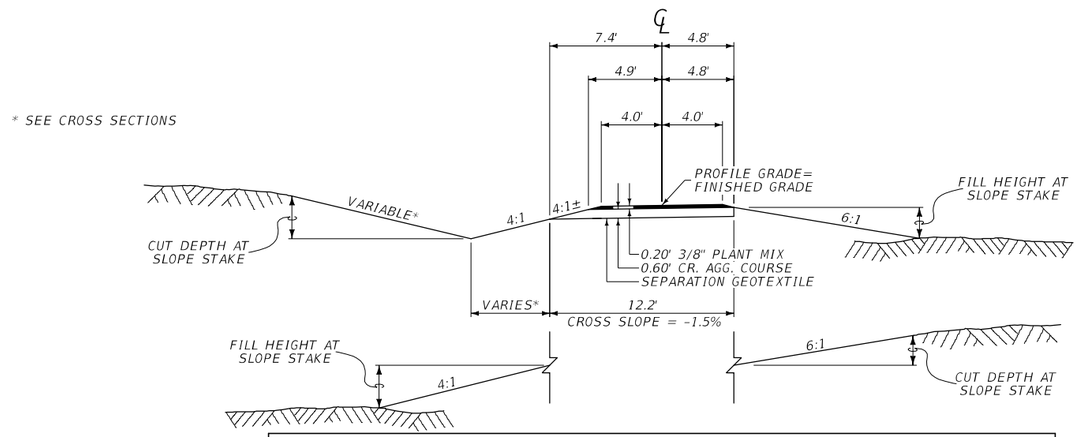
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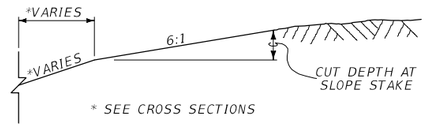
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TYPICAL SECTION NO. 1

SEGMENT A/E – PATH

100+63.80	TO	105+70.75	TYP. NO. 1
105+70.75	TO	106+26.05	SEE DETAILS NEXT TYP. – TYP. NO. 2
422+48.71	TO	436+01.85	TYP. NO. 1
436+50.57	TO	438+50.00	TYP. NO. 1 NEXT TYP. – TYP. NO. 4
439+22.57	TO	440+74.02	TYP. NO. 1



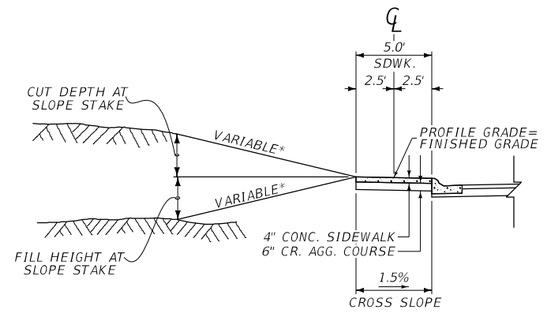


QUANTITIES				
UNIT	AGGREGATE		UNIT	SEPARATION GEOTEXTILE
	3/8" PLANT MIX	CR. AGG. COURSE		
AREA square feet	1.77	6.57	square yards PER STATION	136
cubic yards PER STATION	6.6	24.3		
tons PER STATION	13.8			
square yards PER STATION				

TYPICAL SECTION NO. 2

SEGMENT A – SIDEWALK

106+26.05	TO	107+88.56	TYP. NO. 2



* SEE CROSS SECTIONS

QUANTITIES CALCULATED FROM SURFACE AREA.

SANDERSON STEWART

3 2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDTYP01.DGN 1/13/2022 11:20:27 AM kedam	DESIGNED BY DRAWN BY REVIEWED BY CHECKED BY		ROAD PLANS STILLWATER COUNTY		HWY 78 PATH & WALKS – COLUMBUS UPN 9449000	TA 48(55) SHEET 6

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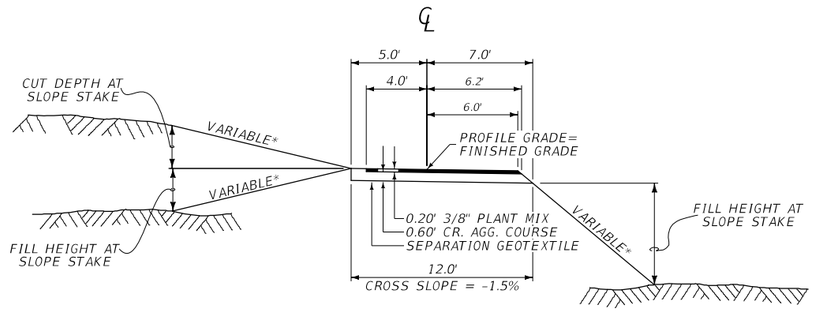
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TYPICAL SECTION NO. 3

SEGMENT B – PATH

200+23.60 TO 208+65.39 TYP. NO. 3
NEXT TYP. – TYP. NO. 4

* SEE CROSS SECTIONS



QUANTITIES				
UNIT	AGGREGATE		UNIT	SEPARATION GEOTEXTILE
	3/8" PLANT MIX	CR. AGG. COURSE		
AREA square feet	2.02	7.14	square yards PER STATION	133
cubic yards PER STATION	7.5	26.4		
tons PER STATION	15.6			
square yards PER STATION				

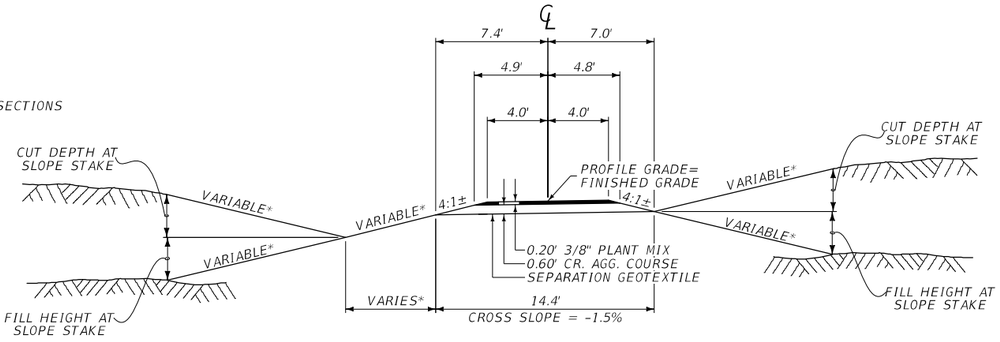
TYPICAL SECTION NO. 4

SEGMENT B – PATH

208+65.39 TO 209+54.69 TYP. NO. 4
209+54.69 TO 209+64.69 TRANS. TYP. NO. 4 TO TYP. NO. 5

438+50.00 TO 439+22.57 TYP. NO. 4
NEXT TYP. – TYP. NO. 1

* SEE CROSS SECTIONS



QUANTITIES				
UNIT	AGGREGATE		UNIT	SEPARATION GEOTEXTILE
	3/8" PLANT MIX	CR. AGG. COURSE		
AREA square feet	1.77	7.23	square yards PER STATION	160
cubic yards PER STATION	6.6	26.8		
tons PER STATION	13.8			
square yards PER STATION				

SANDERSON STEWART

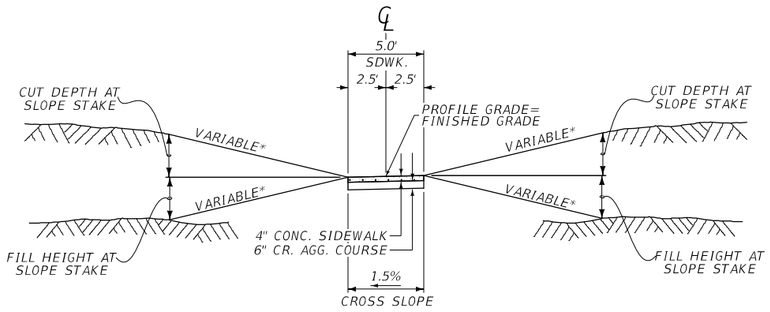
3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDTY02.DGN	DESIGNED BY	ROAD PLANS		HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
		1/13/2022	REVIEWED BY				
		11:20:29 AM kedam	CHECKED BY	STILLWATER COUNTY		UPN 9449000	SHEET 7

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TYPICAL SECTION NO. 5

SEGMENT B/D/E - SIDEWALK



* SEE CROSS SECTIONS

QUANTITIES CALCULATED FROM SURFACE AREA.

209+64.69	TO	211+26.54	TYP. NO. 5
211+83.57	TO	214+64.32	TYP. NO. 5
215+16.93	TO	218+43.24	TYP. NO. 5
351+40.21	TO	352+83.97	TYP. NO. 5
355+14.27	TO	358+16.20	TYP. NO. 5
358+88.19	TO	360+09.38	TYP. NO. 5
360+78.46	TO	361+97.50	TYP. NO. 5
411+49.19	TO	413+11.81	TYP. NO. 5
414+05.60	TO	414+58.50	TYP. NO. 5
415+01.50	TO	418+28.93	TYP. NO. 5
418+69.97	TO	421+98.41	TYP. NO. 5

NEXT TYP. - TYP. NO. 1

SANDERSON STEWART

2 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDTY01.dgn 1/13/2022 11:20:30 AM kedam	DESIGNED BY DRAWN BY REVIEWED BY CHECKED BY		ROAD PLANS STILLWATER COUNTY		HWY 78 PATH & WALKS - COLUMBUS UPN 9449000 / TA 48(55) / SHEET 8

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SUMMARY

ADDITIONAL GRADING

STATION FROM	STATION TO	cubic yards INCL. IN ROADWAY UNCL. EXC.	cubic yards INCL. IN ROADWAY EMB. +	REMARKS
SEGMENT A				
100+56.36	105+70.75		154	TOPSOIL REPLACEMENT
103+24		20		PRIVATE APPROACH
104+03		30		PRIVATE APPROACH
106+16.36	107+88.56		54	TOPSOIL REPLACEMENT
106+87		5		PRIVATE SIDEWALK CONNECTION
107+45		10		PRIVATE APPROACH
SEGMENT B				
200+20.18	200+45.00		8	TOPSOIL REPLACEMENT
200+45.00	206+00.00		194	TOPSOIL REPLACEMENT
200+45.00	206+00.00	1,385		SUBGRADE STABILIZATION
202+88		10	10	FARM FIELD APPROACH
206+00.00	211+26.54		113	TOPSOIL REPLACEMENT
208+23		10	5	PRIVATE APPROACH
211+83.02	214+64.32		30	TOPSOIL REPLACEMENT
215+16.93	218+44.77		23	TOPSOIL REPLACEMENT
216+64		15		PRIVATE APPROACH
218+12		10		PRIVATE APPROACH
SEGMENT C				
SEGMENT D				
351+40.21	352+83.97		4	TOPSOIL REPLACEMENT
351+64		5		PRIVATE SIDEWALK CONNECTION
352+57		5		PRIVATE SIDEWALK CONNECTION
352+70		10		PRIVATE APPROACH
355+14.27	358+16.20		4	TOPSOIL REPLACEMENT
355+55		5		PRIVATE SIDEWALK CONNECTION
356+35		5		PRIVATE SIDEWALK CONNECTION
357+47		5		PRIVATE SIDEWALK CONNECTION
358+88.19	360+09.38		1	TOPSOIL REPLACEMENT
359+26		5		PRIVATE SIDEWALK CONNECTION
359+52		5		PRIVATE SIDEWALK CONNECTION
359+63		5		PRIVATE APPROACH
359+72		5		PRIVATE SIDEWALK CONNECTION
360+78.46	361+97.50		1	TOPSOIL REPLACEMENT
360+88		5		PRIVATE SIDEWALK CONNECTION
361+72		5		PRIVATE SIDEWALK CONNECTION
SEGMENT E				
411+49.19	413+11.81		1	TOPSOIL REPLACEMENT
412+32		5		PRIVATE SIDEWALK CONNECTION
412+93		15		PUBLIC APPROACH - ALLEY
414+05.60	414+63.96		1	TOPSOIL REPLACEMENT
414+94.90	418+34.63		18	TOPSOIL REPLACEMENT
415+48		10		PRIVATE APPROACH
416+54		10		PUBLIC APPROACH - ALLEY
417+23		15		PRIVATE APPROACH
418+64.53	422+07.98		30	TOPSOIL REPLACEMENT
419+54		10		PRIVATE APPROACH
420+27		10		PUBLIC APPROACH - ALLEY
420+75		25		PRIVATE APPROACH
421+68		10		PRIVATE APPROACH
422+45.40	440+75.81		499	TOPSOIL REPLACEMENT
426+83		30	5	FARM FIELD APPROACH
430+42		40		PRIVATE APPROACH
432+83		20		PRIVATE APPROACH
439+10		5	5	PATH CONNECTION
TOTAL		~	~	

GRADING

STATION FROM	STATION TO	cubic yards UNCL. EXC.	cubic yards EXCESS EXC.	cubic yards EMB.+	REMARKS
SEGMENT A					
100+56.95	107+88.56	305		347	
SEGMENT B					
200+20.18	213+83.94	1,571		394	
SEGMENT C					
301+10.19	306+48.16	60		88	
SEGMENT D					
351+40.21	361+97.50	226		10	
SEGMENT E					
400+62.27	440+75.81	853		822	
TOTAL		3,015	# 1,354	# 1,661	

FOR INFORMATION ONLY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE tons COMM. PL. MIX - 3/8" PG 58-28	AGGREGATE cubic yards CRUSHED AGG. COURSE	square yards 6" CONCRETE	square yards SEPARATION GEOTEXTILE	gallons EMULSIFIED ASPHALT TACK	REMARKS
SEGMENT A												
100+63.80	105+70.75	506.95	506.95			SEGMENT A - PATH	70	123		689		TYP. NO. 1
106+02.24	107+88.56					SEGMENT A - RESURFACING	47	45			14	
SEGMENT B												
200+23.60	208+65.39	841.79	841.79			SEGMENT B - PATH	131	227		1,212		TYP. NO. 3
208+65.39	209+54.69	89.30	89.30			SEGMENT B - PATH	12	24		143		TYP. NO. 4
209+54.69	209+64.69	10.00	10.00			SEGMENT B - PATH	1	2		7		TRANS. TYP. NO. 4 TO 5; QUANT. CALC. BY SURFACE AREA
217+03.06	217+30.97	27.91	27.91			SEGMENT B - RESURFACING	2	2			1	QUANT. CALC. BY SURFACE AREA
218+31.32	218+43.24	11.92	11.92			SEGMENT B - RESURFACING	1	1			1	QUANT. CALC. BY SURFACE AREA
218+31.28	218+48.80	17.52	17.52			SEGMENT B - RESURFACING	1	1			1	QUANT. CALC. BY SURFACE AREA
218+76.63	218+96.56	19.93	19.93			SEGMENT B - RESURFACING	2	2			1	QUANT. CALC. BY SURFACE AREA
SEGMENT D												
354+55.37	354+59.37	4.00	4.00			SEGMENT D - RESURFACING	1	1			1	QUANT. CALC. BY SURFACE AREA
SEGMENT E												
414+65.97	414+67.97	2.00	2.00			SEGMENT E - RESURFACING	1	1			1	QUANT. CALC. BY SURFACE AREA
414+89.89	414+92.89	3.00	3.00			SEGMENT E - RESURFACING	2	1			1	QUANT. CALC. BY SURFACE AREA
418+36.67	418+41.71	5.04	5.04			SEGMENT E - RESURFACING	2	2			1	QUANT. CALC. BY SURFACE AREA
418+58.50	418+62.52	4.02	4.02			SEGMENT E - RESURFACING	2	2			1	QUANT. CALC. BY SURFACE AREA
422+10.00	422+12.01	2.01	2.01			SEGMENT E - RESURFACING	1	1			1	QUANT. CALC. BY SURFACE AREA
422+40.00	422+42.15	2.15	2.15			SEGMENT E - RESURFACING	1	1			1	QUANT. CALC. BY SURFACE AREA
422+48.71	436+01.85	1,353.14	1,353.14			SEGMENT E - PATH	187	329		1,840		TYP. NO. 1
436+50.57	438+50.00	199.43	199.43			SEGMENT E - PATH	28	48		271		TYP. NO. 1
438+50.00	439+22.57	72.57	72.57			SEGMENT E - PATH	10	19		116		TYP. NO. 4
439+22.57	440+76.02	153.45	153.45			SEGMENT E - PATH	21	37		209		TYP. NO. 1
						ADDITIONAL SURFACING	118	297	4	75	47	
TOTAL		~	~	~	~		641	1,166	4	4,562	72	

ADDITIONAL SURFACING (INCLUDED IN THE SURFACING FRAME)

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE tons COMM. PL. MIX - 3/8" PG 58-28	AGGREGATE cubic yards CRUSHED AGG. COURSE	square yards 6" CONC.	square yards SEPARATION GEOTEXTILE	gallons EMULSIFIED ASPHALT TACK	REMARKS
						17 - PRIVATE APPROACHES	99	196	0	0	41	
						2 - FARM FIELD APPROACHES	12	88	0	0	6	
						12 - PUBLIC APPROACHES	0	3	4	0	0	
439+10						1 - PATH CONNECTION	7	10	0	75	0	SEGMENT E
TOTAL		~	~	~	~		118	297	4	75	47	

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SUMMARY

SIDEWALK

STATION FROM	STATION TO	square yards CONCRETE SIDEWALK 4"	square yards CONCRETE SIDEWALK 6"	square yards REMOVE SIDEWALK #	square yards DETECTABLE WARNING DEVICES TYPE 1	linear feet WIDTH	each SIDEWALK DRAIN	REMARKS
SEGMENT A								
100+59.36	100+63.80		3.9		1.8	8.0		INCLUDES 1 CONC. ADA RAMP
105+70.75	105+75.16		3.9		1.8	8.0		INCLUDES 1 CONC. ADA RAMP
106+16.36	107+88.56	80.5	16.7	1.5	2.8	5.0		INCLUDES 1 CONC. ADA RAMP, 1 SIDEWALK CONNECTION, AND 1 DRIVEWAY
SEGMENT B								
200+20.18	200+23.60		3.1		3.1	8.0		INCLUDES 1 CONC. ADA RAMP
209+64.69	211+26.54	88.1	1.1		1.1	5.0	1	INCLUDES 1 CONC. ADA RAMP AND 1 SIDEWALK CONNECTION
211+83.02	214+64.32	153.7	2.5		2.2	5.0		INCLUDES 2 CONC. ADA RAMPS
215+16.93	218+44.77	146.8	38.4		3.3	5.0		INCLUDES 3 CONC. ADA RAMPS
218+33.28	218+44.80	12.3			4.0	5.0		INCLUDES 2 CONC. ADA RAMPS
218+78.64	218+96.56	8.8	1.1		1.1	5.0		INCLUDES 1 CONC. ADA RAMP
SEGMENT C								
301+61.63	301+90.61		35.3	35.3		VARIES		SEE DETAIL
302+34.97	302+57.11		26.7	26.7		VARIES		SEE DETAIL
302+76.95	303+06.32		35.6	35.6		VARIES		SEE DETAIL
SEGMENT D								
351+40.21	352+83.97	68.7	47.9	79.5		5.0		INCLUDES 1 SIDEWALK CONNECTION AND 1 DRIVEWAY
354+47.13	354+53.37	4.5		4.5	0.9	5.0		INCLUDES 1 CONC. ADA RAMP
355+14.27	358+16.20	169.2		165.6		5.0		INCLUDES 3 SIDEWALK CONNECTIONS
358+88.19	360+09.38	65.0	27.2	62.0		5.0		INCLUDES 3 SIDEWALK CONNECTIONS AND 1 DRIVEWAY
360+78.46	361+97.50	67.5		67.7		5.0		INCLUDES 2 SIDEWALK CONNECTIONS
SEGMENT E								
411+49.19	413+11.81	75.5	50.1	21.8		5.0		INCLUDES 1 SIDEWALK CONNECTION AND 1 DRIVEWAY
414+05.60	414+63.96	37.4		32.3	1.1	5.0		INCLUDES 1 CONC. ADA RAMP
414+94.90	418+34.63	169.6	95.4		2.2	5.0		INCLUDES 2 CONC. ADA RAMPS AND 3 DRIVEWAYS
418+64.53	422+07.98	153.4	164.0		2.2	5.0		INCLUDES 2 CONC. ADA RAMPS AND 4 DRIVEWAYS
422+44.34	422+48.71	3.7			1.8	8.0		INCLUDES 1 CONC. ADA RAMP
436+01.85	436+05.31		3.1		1.8	8.0		INCLUDES 1 CONC. ADA RAMP
436+47.34	436+50.57		2.9		1.8	8.0		INCLUDES 1 CONC. ADA RAMP
SUBTOTAL		1,304.7	558.9	532.5	33.0	~	1	
TOTAL		1,304.7	558.9	~	33.0	~	1	

FOR INFORMATION ONLY - INCLUDE IN THE COST OF UNCL. EXC.

FENCING

STATION FROM	STATION TO	each RESET GATE	each FARM FENCE PANEL SINGLE FW	REMARKS
SEGMENT B				
202+80.73	202+94.55	1	2	RT. - TIE TO EXISTING FENCE
TOTAL		1	2	

GUARDRAIL

STATION FROM	STATION TO	linear feet REMOVE GUARDRAIL LEFT	linear feet REMOVE GUARDRAIL RIGHT	linear feet MGS GUARDRAIL LEFT	linear feet MGS GUARDRAIL RIGHT	each MASH W-BEAM TERMINAL SECTION LEFT	each MASH W-BEAM TERMINAL SECTION RIGHT	REMARKS
SEGMENT B								
NEW RAIL								
201+02.25	202+10.14			112.5		2		SHLD.
203+64.91	207+39.91			375.0		2		SHLD.
REMOVE RAIL								
200+78.45	202+72.57	200.5						W-BEAM RAIL IN PLACE
203+03.88	208+00.49	500.7						W-BEAM RAIL IN PLACE
SUBTOTAL		701.2	0.0	487.5	0.0	4	0	
TOTAL		701.2		487.5		4		

SUBGRADE STABILIZATION*

STATION FROM	STATION TO	square yards GEOGRID - BIAXIAL	cubic yards UNCL. EXC. #	cubic yards SPECIAL BORROW - NEAT LINE	REMARKS
SEGMENT B					
200+45.00	206+00.00	5,396	1,385	2,393	REINFORCED SOIL SLOPE - SEE DETAIL
206+00.00	208+50.00			287	
TOTAL		5,396	~	2,680	

* QUANTITIES & STATIONS MAY VARY
# QUANTITIES INCLUDED IN ADDITIONAL GRADING FRAME

UNDERDRAIN

STATION FROM	STATION TO	linear feet CORRUGATED POLYETHENE DRAINAGE PIPE 6" TYPE SP PERFORATED	square yards SUBSURFACE DRAINAGE GEOTEXTILE FILTER HIGH SURV.	cubic yards FILTER MATERIAL	REMARKS
SEGMENT B					
200+45.00	202+75.00	230	230	32	
203+03.35	206+00.00	297	297	42	
TOTAL		527	527	74	

PEDESTRIAN RAIL

STATION FROM	STATION TO	linear feet PEDESTRIAN RAIL RIGHT	REMARKS
SEGMENT B			
200+14.94	202+75.00	262.3	
203+03.35	207+65.72	461.6	
TOTAL		723.9	

MONITORING WELL

STATION	each ADJUST MONITORING WELL LEFT	REMARKS
SEGMENT E		
420+59.54	1	8.8' LT.
TOTAL	1	

INSULATION

STATION FROM	STATION TO	square feet INSULATION 2" THK.	REMARKS
SEGMENT A			
103+46.52 LT.	103+48.82 LT.	21	
TOTAL		~	

INSULATION IS INCIDENTAL TO ASSOCIATED RCPA APP. PIPE BID ITEM.

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SUMMARY

STORM DRAIN STRUCTURE SCHEDULE

NAME	STATION	each: STORM DRAIN STRUCTURE 48" ROUND	each: CURB INLET FRAME & GRATE TYPE A	each: CONNECT TO EXISTING PIPE	vertical feet: ADDITIONAL BARREL 48"	REMARKS
SEGMENT A						
I-1	106+65.00	1	1	2	2	3.50' RT.
TOTAL		1	1	2	2	

SEE DETAIL SHEETS.

CULVERT SUMMARY RECAP

BASIC BID	linear feet: NEW PIPE (TOTAL)	linear feet: REMOVE PIPE CULVERT
18" RCP	28	
RCPA 18 IN EQ. DIA.	138	
24" RCP	60	
TOTAL	~	204.4

CULVERTS (INCLUDED IN CULVERT SUMMARY RECAP)

STATION	linear feet: RCP CLASS 3 18"	END SECTIONS: LEFT	END SECTIONS: RIGHT	linear feet: HEIGHT OF COVER	SKEW ANGLE	CULVERT IN PL. in x ft	REMARKS
SEGMENT E							
418+27						12 x 18.1 CSP	DO NOT DISTURB
418+73						12 x 18.5 CSP	DO NOT DISTURB
422+57						36 x 102.4 RCP	DO NOT DISTURB
435+75						24 x 115.5 RCP	DO NOT DISTURB
438+80	28	FETS	FETS	0.8	16.3° LT.		
TOTAL	28	~	~	~	~	~	

CURB

STATION FROM	STATION TO	linear feet: CONCRETE CURB AND GUTTER LEFT	linear feet: CONCRETE CURB AND GUTTER RIGHT	linear feet: SPECIAL DESIGN LEFT	linear feet: SPECIAL DESIGN RIGHT	linear feet: # REMOVE CURB AND GUTTER LEFT	linear feet: # REMOVE CURB AND GUTTER RIGHT	square yards: CONCRETE VALLEY GUTTER	square yards: # REMOVE VALLEY GUTTER LEFT	REMARKS
SEGMENT A										
102+97.92	102+97.92			13.8						MATCH EXISTING CURB DESIGN
103+49.29	103+49.29			13.7						MATCH EXISTING CURB DESIGN
103+77.33	103+77.33			13.6						MATCH EXISTING CURB DESIGN
104+28.83	104+28.83			13.5						MATCH EXISTING CURB DESIGN
106+06.20	107+88.56	18.2	174.4							INCL. 1-TRANS. RAMP TO LAYDOWN CURB & GUTTER
SEGMENT B										
216+43.56	216+83.57								17.5	
217+03.06	217+30.97				27.9					CONCRETE CAST-IN-PLACE RETAINING CURB - SEE DETAIL
218+33.28	218+44.80	20.9						2.3		LAYDOWN CURB & GUTTER
SEGMENT E										
414+60.91	414+64.01	10.3	9.1			3.2	9.0			
414+94.84	414+98.58	10.7	10.1			2.0	9.6			
418+31.13	418+34.85	10.8	8.8			0.7	8.0			
418+64.41	418+67.84	11.0	9.2				6.2			
422+02.11	422+08.10	10.9	12.4			1.5	10.8			
422+42.20	422+49.43	10.0	9.3			1.4	7.5			
SUBTOTAL		102.8	233.3	54.6	27.9	8.8	51.1	2.3	17.5	
TOTAL		336.1		82.5		~		2.3	~	

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APPROACH PIPE (INCLUDED IN CULVERT SUMMARY RECAP)

STATION	linear feet: RCPA CLASS 4 22" x 13.5"	linear feet: RCP CLASS 3 24"	END SECTIONS: LEFT	END SECTIONS: RIGHT	linear feet: REMOVE CULVERT	linear feet: HEIGHT OF COVER	CULVERT IN PL. in x ft	REMARKS
SEGMENT A								
103+24 LT.	70		FETS	FETS	60.3	0.6	15" x 60.3' RCP	4.2' LT. - REMOVE; RCPA 18 IN EQ. DIA.
104+03 LT.	68		FETS	FETS	60.9	1.0	15" x 60.9' RCP	5.2' LT. - REMOVE; RCPA 18 IN EQ. DIA.
SEGMENT E								
426+83 LT.		60	FETS	FETS	30.7	0.5	12" x 30.7' CSP	42.0' LT. - REMOVE
426+83 LT.					52.5		24" x 52.5' CSP	6.2' LT. - REMOVE
430+53 LT.							24" x 64.2 CSP	40.6' LT. - DO NOT DISTURB
432+83 LT.							18" x 58.4' CSP	15.2' LT. - DO NOT DISTURB
TOTAL	138	60	~	~	204.4	~	~	

PAVEMENT MARKINGS

ITEM	UNIT	FINAL APPLICATION	TOTAL
WORDS & SYMBOLS - WHITE EPOXY	gallon	3	3
REMOVE PAVEMENT MARKINGS	linear feet		534

TOPSOIL & SEEDING

STATION FROM	STATION TO	cubic yards: TOPSOIL SALVAGING & PLACING	acres: SEED NO. 1	acres: MULCH	square yards: SOD	REMARKS
SEGMENT A						
100+56.36	105+70.75	128	0.2	0.2		
106+16.36	107+88.56	45	0.1	0.1		
SEGMENT B						
200+20.18	200+45.00	7	0.1	0.1		
200+45.00	206+00.00	162	0.3	0.3		3 INCHS. SEE REINFORCED SOIL SLOPE DETAIL.
206+00.00	211+26.54	94	0.2	0.2		
211+83.02	214+64.32	25	0.1	0.1		
215+16.93	218+44.77	19	0.1	0.1		
SEGMENT D						
351+40.21	352+83.97	3			32	
355+14.27	358+16.20	3			67	
358+88.19	360+09.38	1			27	
360+78.46	361+97.50	1			26	
SEGMENT E						
411+49.19	413+11.81	1			36	
414+05.60	414+63.96	1			13	
414+94.90	418+34.63	15	0.1	0.1		
418+64.53	422+07.98	25	0.1	0.1		
422+45.40	440+75.81	416	1.8	1.8		
TOTAL		946	3.1	3.1	201	

PERMANENT EROSION CONTROL

STATION FROM	STATION TO	square yards: TURF. REIN. MAT - NATURAL FIBER	REMARKS
SEGMENT B			
200+45.00 RT.	202+75.00 RT.	385	
203+03.35 RT.	206+00.00 RT.	408	
TOTAL		793	

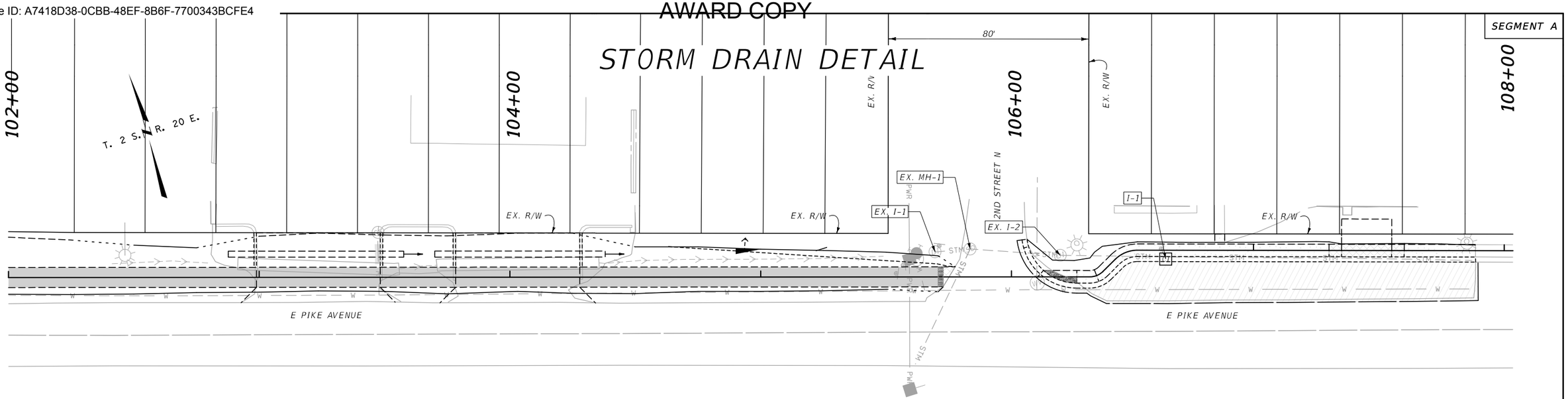
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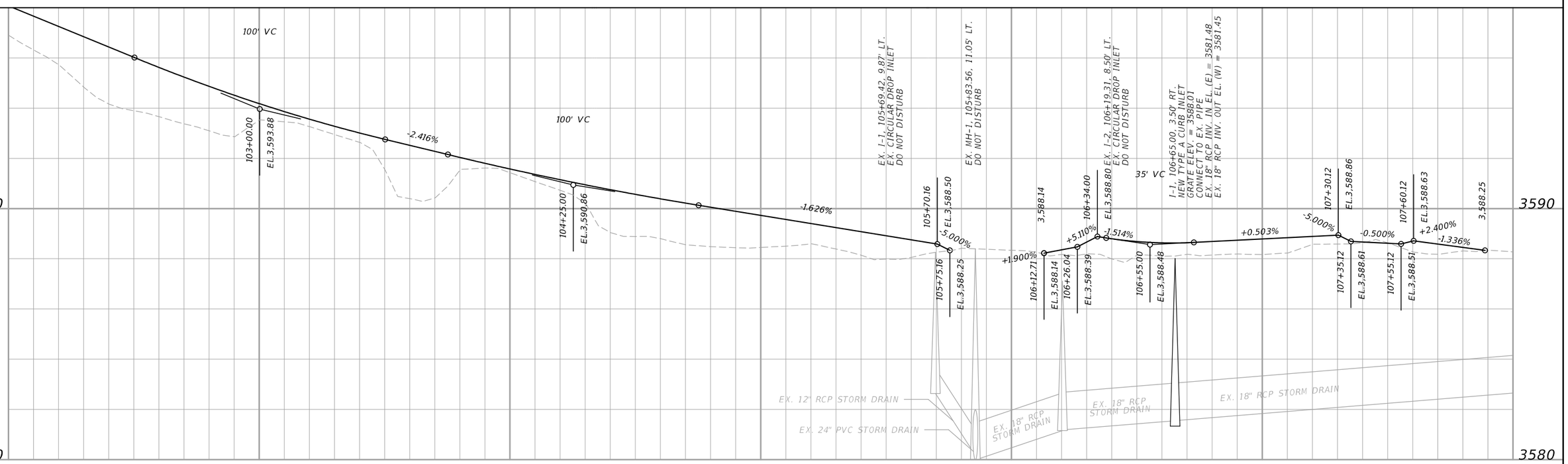
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STORM DRAIN DETAIL

SEGMENT A



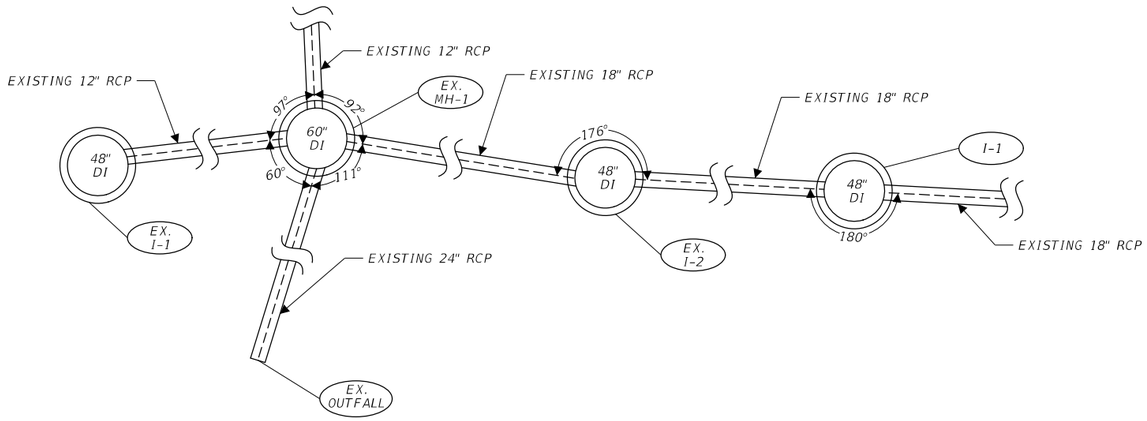


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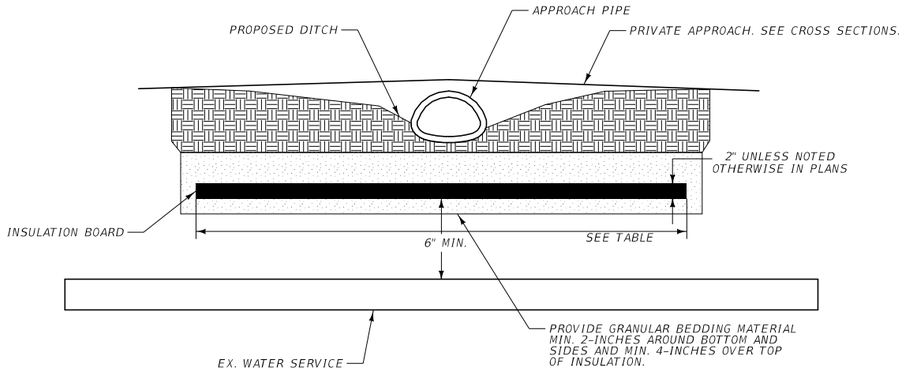


INLET / MANHOLE COORDINATE TABLE				
INLET/MANHOLE NUMBER	STATION	N OR Y COORDINATE	E OR X COORDINATE	RIM/GRATE ELEVATION (ft)
I-1	106+65	506,237.721	2,030,443.335	3,588.01

NOTE: COORDINATES SHOWN IN TABLE REFER TO THE CENTER OF THE INLET OR MANHOLE STRUCTURE. SEE STORM DRAIN DETAILS FOR ADDITIONAL INFORMATION AND DIMENSIONING.

STORM DRAIN PLAN VIEW
STA. 105+69 TO STA. 106+65

NOT TO SCALE



INSULATION DIMENSIONS		
STATION	WIDTH (FT)	LENGTH (FT)*
103+47.67 LT.	2.6	8

*DIMENSION PARALLEL TO WATER LINE

NOTE: INSULATION IS INCIDENTAL TO ASSOCIATED RCPA APP. PIPE BID ITEM.

WATER LINE INSULATION DETAIL
STA. 103+47.67

NOT TO SCALE

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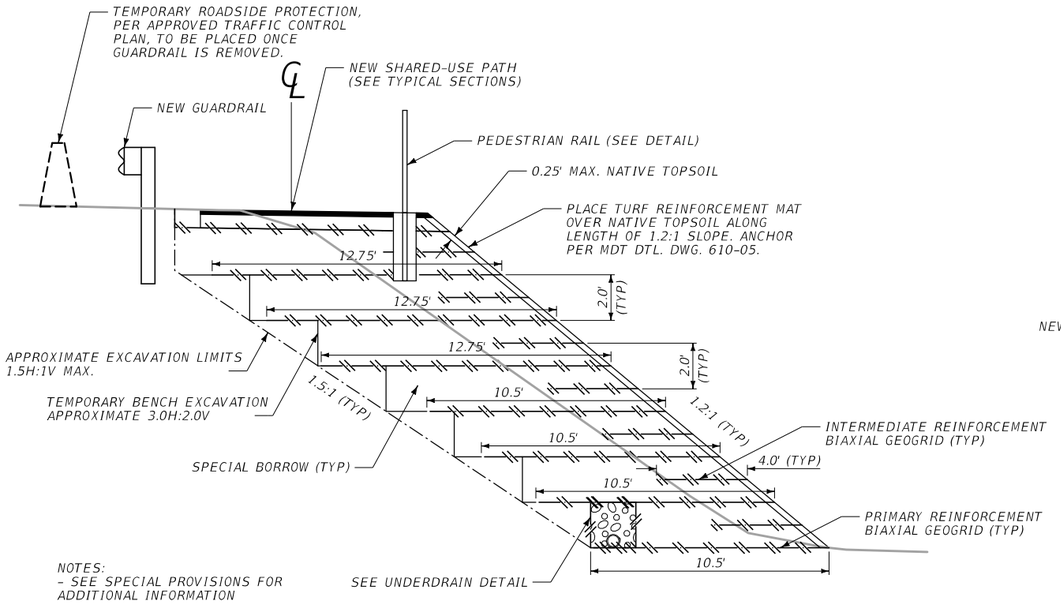
STORM DRAIN PLAN VIEW DETAIL

WATER LINE INSULATION DETAIL

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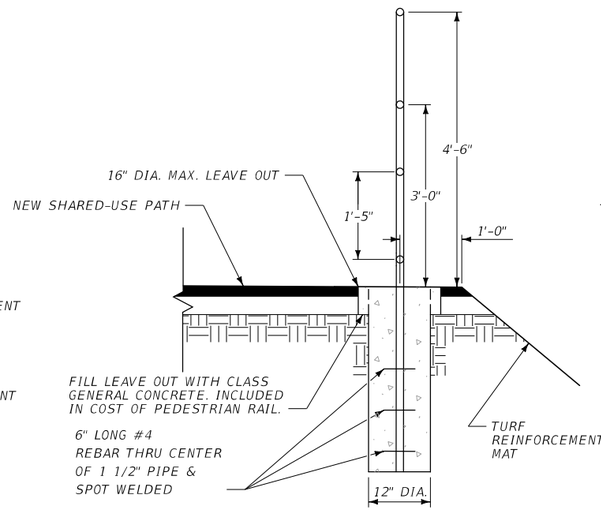
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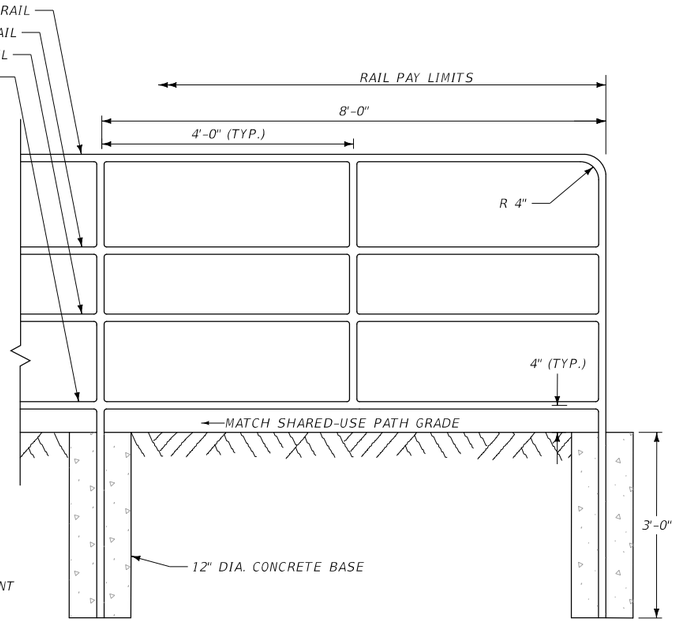


REINFORCED SOIL SLOPE

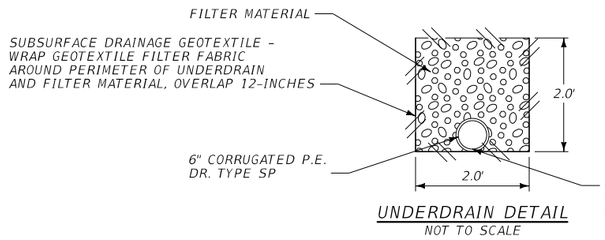
STA. 200+45.00 TO STA. 202+75.00
STA. 203+03.35 TO STA. 206+00.00



SECTION A-A'

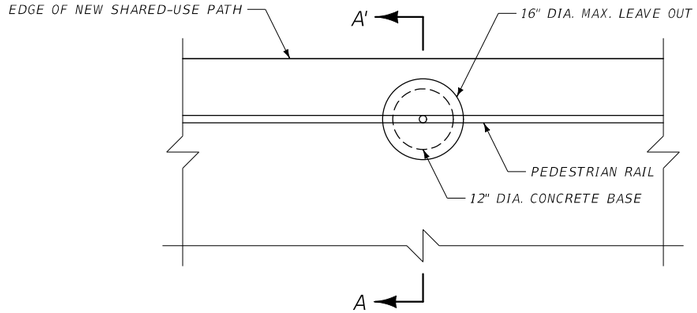


PEDESTRIAN RAIL ELEVATION



UNDERDRAIN DETAIL

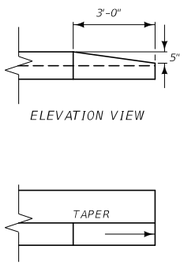
NOT TO SCALE



PEDESTRIAN RAIL PLAN DETAIL

NOTES:

- USE CLASS GENERAL CONCRETE OR EQUIVALENT FOR POST BASE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
- NOTIFY THE PROJECT MANAGER OF ANY ACCESSIBILITY COMPONENT THAT WILL NOT MEET ADA/PROWAG STANDARDS PRIOR TO FABRICATION AND INSTALLATION.
- REINFORCING STEEL: USE NEW PLAIN DEFORMED TYPE REINFORCING STEEL AND EPOXY COATED DOWELS MEETING THE REQUIREMENTS OF AASHTO M 31 GRADE 60. INCLUDE ALL COSTS ASSOCIATED WITH FURNISHING AND PLACING NEW REINFORCING STEEL IN THE UNIT PRICE BID FOR PEDESTRIAN RAIL.
- CONSTRUCT RAILING OUT OF SCHEDULE 40, 1 1/2" BLACK STEEL PIPE WELDED TOGETHER WITH 1/4" DEEP WELDS.
- POWDER COAT ALL RAILING AND POSTS, INCLUDING PORTIONS OF POSTS EMBEDDED INTO THE GROUND. USE BLACK FOR POWDER COAT COLOR.
- FABRICATE RAILING LOCATED AROUND CURVES TO MATCH THE EDGE OF THE SHARED-USE PATH CURVATURE.



CURB TERMINAL END DETAIL

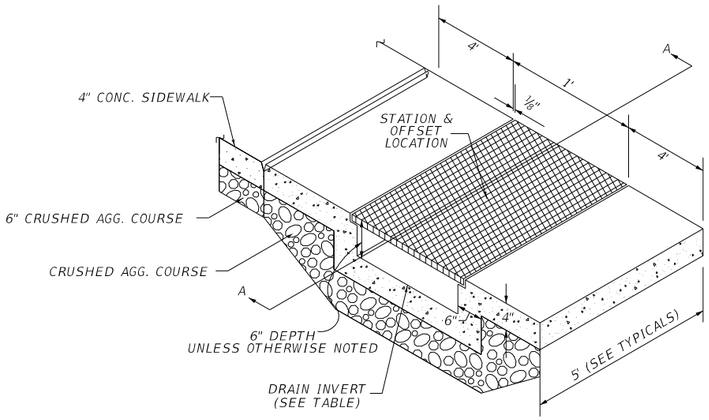
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MISCELLANEOUS DETAILS

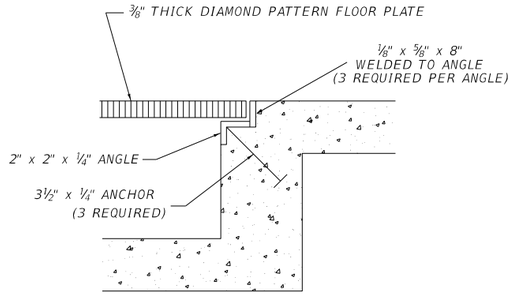
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2		1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 14
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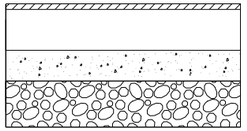


SIDEWALK DRAIN DETAIL

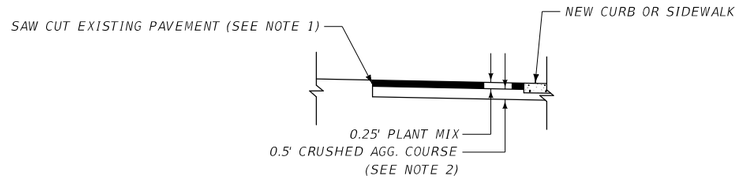


NOTE :
1. FINISH GRADE WILL BE LEVEL WITH TOP OF SIDEWALK
2. SPOT WELD GRATE TO 1/8" x 3/8" x 8" BRACE TO SECURE

SIDEWALK DRAIN			
STATION	OFFSET	INVERT	
		LT.	RT.
209+75.00	0.0' LT.	3575.75'	3575.72'



SECTION A-A



ROADWAY SURFACING AND SAW CUT DETAIL

NOTES

1. SAW CUT EXISTING PAVEMENT 2' MINIMUM BEYOND EXISTING EDGE OF PAVEMENT (CUT ADDITIONAL PAVEMENT IF NEEDED TO ENSURE POSITIVE DRAINAGE) OR AS INDICATED ELSEWHERE IN THE PLANS.

2. USE SURFACING SECTION FOR ALL LOCATIONS OF NEW PAVEMENT IN THE ROADWAY OR ROADWAY SHOULDER.

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SIDEWALK DRAIN DETAIL

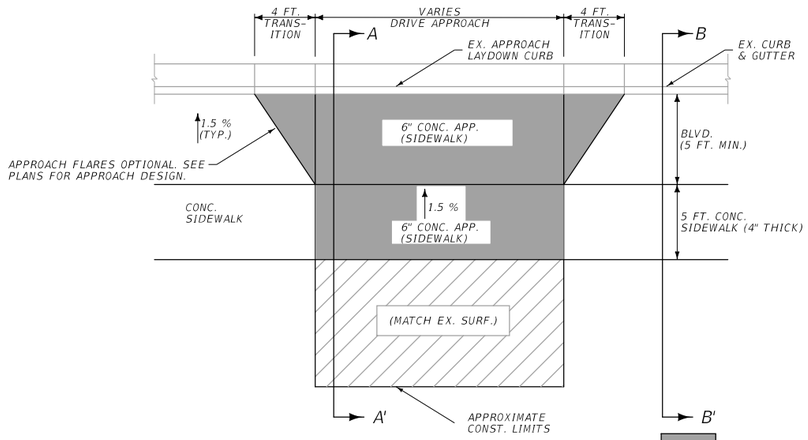
ROADWAY SURFACING AND SAW CUT DETAIL

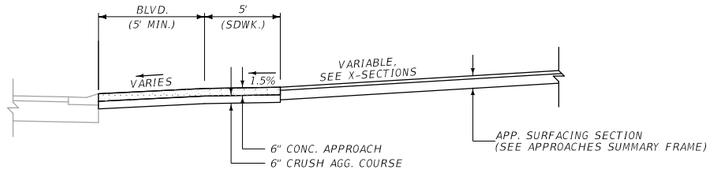
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1		1/13/2022	REVIEWED BY		STILLWATER COUNTY		UPN 9449000	SHEET 15
		11:20:56 AM kedam	CHECKED BY					

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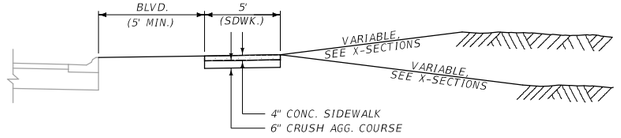
AWARD COPY

PERPENDICULAR RAMP DRIVEWAY DETAIL





VIEW A-A'



VIEW B-B'

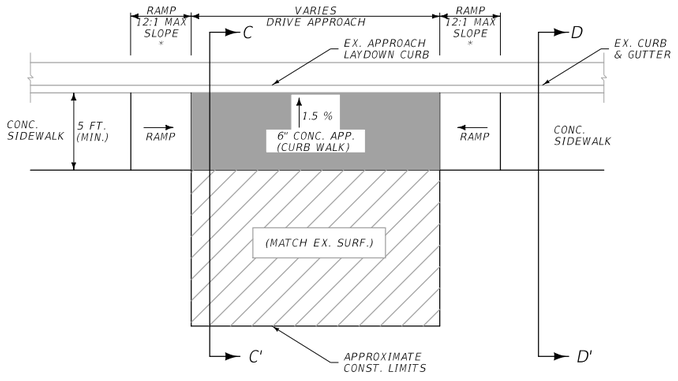
QUANTITIES INCLUDED IN SIDEWALK SUMMARY FRAME

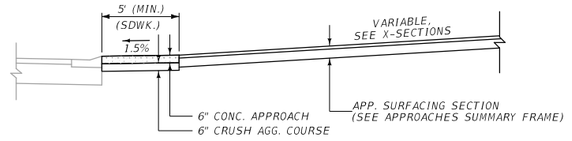
QUANTITIES INCLUDED IN APPROACH ADDITIONAL SURFACING QUANTITIES

NOTES:
USE THE PERPENDICULAR RAMP DRIVEWAY DETAIL FOR DRIVE APPROACHES WHEN THERE IS 5 FEET OR MORE BETWEEN BACK OF CURB AND SIDEWALK (SEE THE APPROACHES SUMMARY FRAME FOR EXCEPTIONS TO THIS).

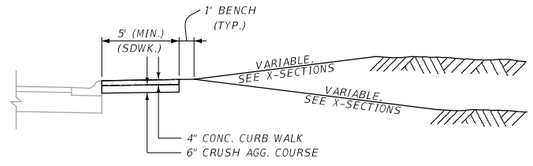
WHERE BOULEVARDS ARE LESS THAN 5 FEET IN WIDTH, DOWN TO ZERO, USE THE PARALLEL RAMP DRIVEWAY DETAIL. WHERE THERE IS A SMALL BOULEVARD, SLOPE THE BOULEVARD AT THE SAME RATE AS THE SIDEWALK RAMP.

PARALLEL RAMP DRIVEWAY DETAIL





VIEW C-C'



VIEW D-D'

* RAMPS CAN BE 4' LONG EVERYWHERE LONGITUDINAL GRADES ARE FLATTER THAN 2% AND WHERE ROOM BETWEEN ADJACENT APPROACHES ALLOW. PROVIDE 5' MINIMUM LANDING LENGTHS AT TOPS OF RAMPS BEFORE COMMENCING TO ANOTHER ADJACENT RAMP.

QUANTITIES INCLUDED IN SIDEWALK SUMMARY FRAME

QUANTITIES INCLUDED IN APPROACH ADDITIONAL SURFACING QUANTITIES

DRIVE APPROACH DETAILS

NOT TO SCALE

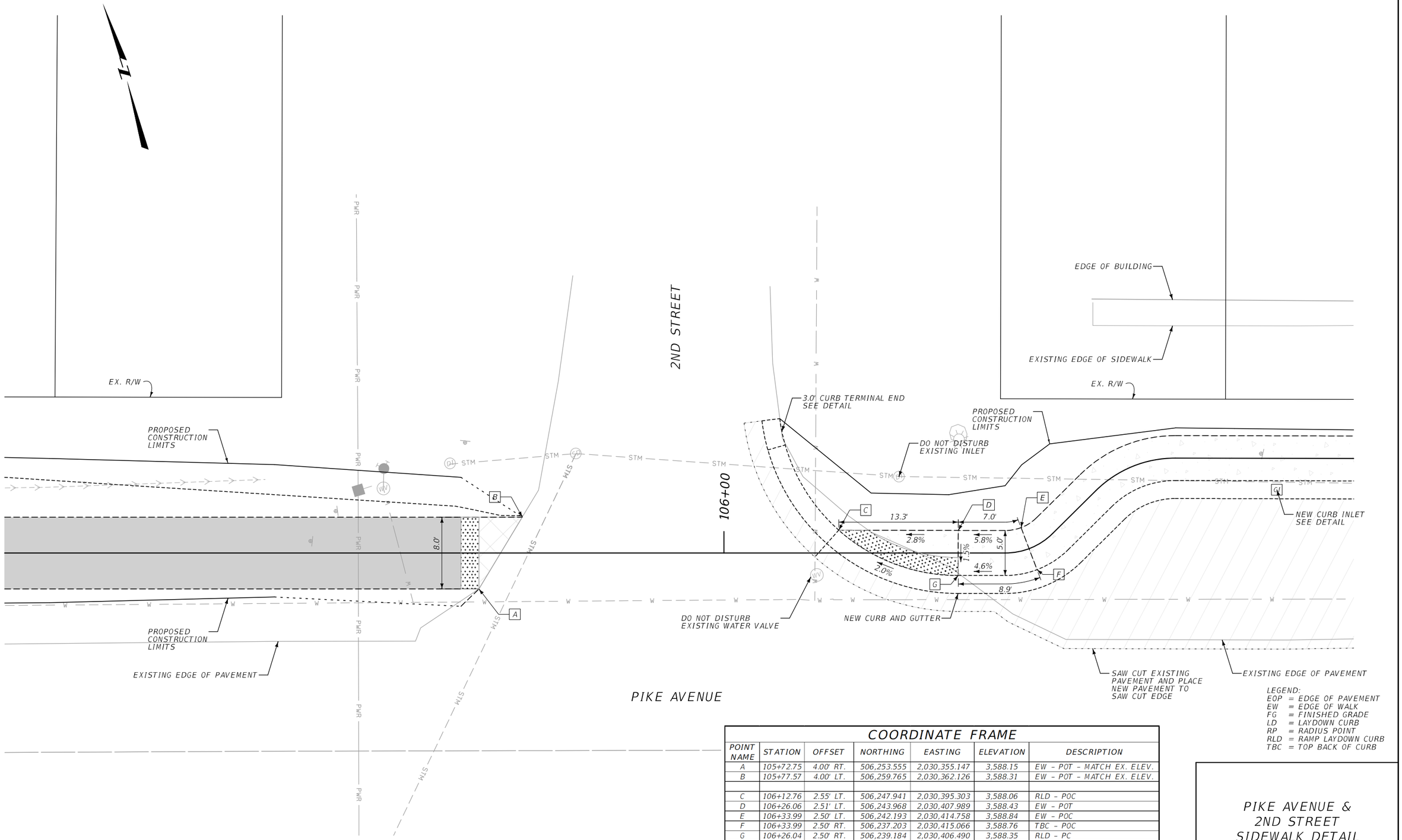
SANDERSON STEWART

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDDET01.DGN	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
		1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 16
		11:20:58 AM kedam	CHECKED BY				

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SEGMENT A



LEGEND:
EOP = EDGE OF PAVEMENT
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
RP = RADIUS POINT
RLD = RAMP LAYDOWN CURB
TBC = TOP BACK OF CURB

COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	105+72.75	4.00' RT.	506,253.555	2,030,355.147	3,588.15	EW - POT - MATCH EX. ELEV.
B	105+77.57	4.00' LT.	506,259.765	2,030,362.126	3,588.31	EW - POT - MATCH EX. ELEV.
C	106+12.76	2.55' LT.	506,247.941	2,030,395.303	3,588.06	RLD - POC
D	106+26.06	2.51' LT.	506,243.968	2,030,407.989	3,588.43	EW - POT
E	106+33.99	2.50' LT.	506,242.193	2,030,414.758	3,588.84	EW - POC
F	106+33.99	2.50' RT.	506,237.203	2,030,415.066	3,588.76	TBC - POC
G	106+26.04	2.50' RT.	506,239.184	2,030,406.490	3,588.35	RLD - PC

PIKE AVENUE & 2ND STREET SIDEWALK DETAIL

SCALE 1" = 5'

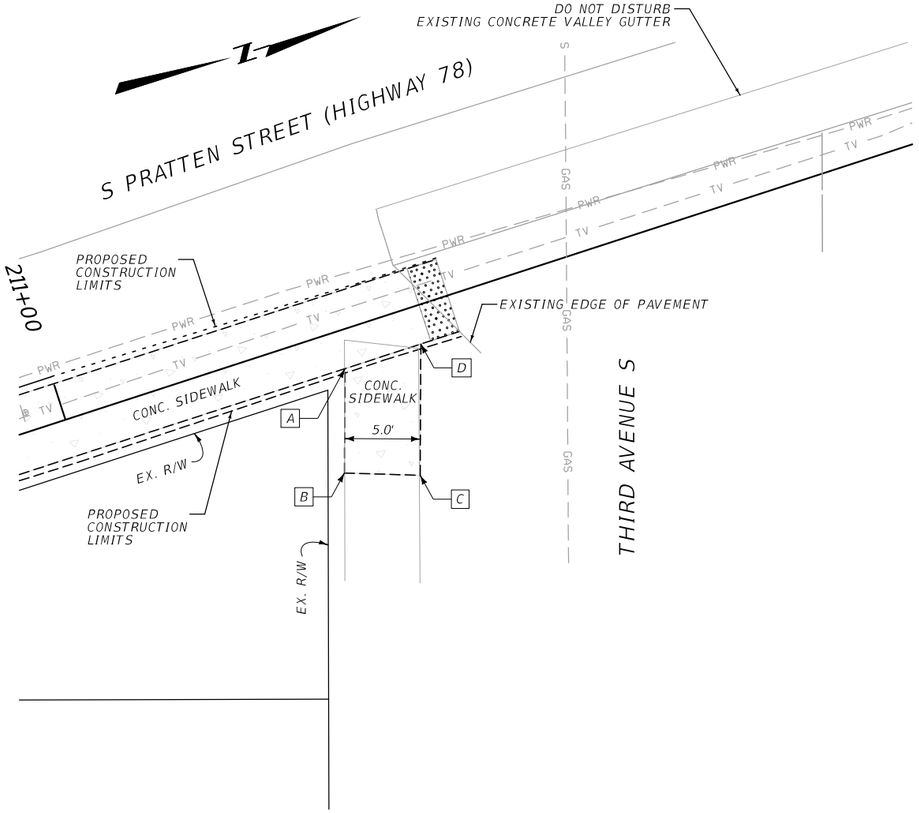
SANDERSON STEWART

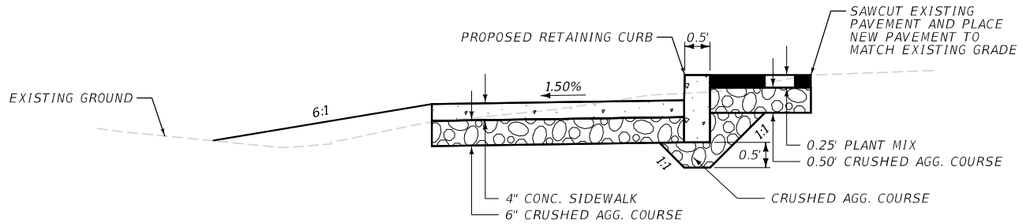
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2		1/13/2022	REVIEWED BY	STILLWATER COUNTY		UPN 9449000
		11:21:00 AM kedam	CHECKED BY			SHEET 17

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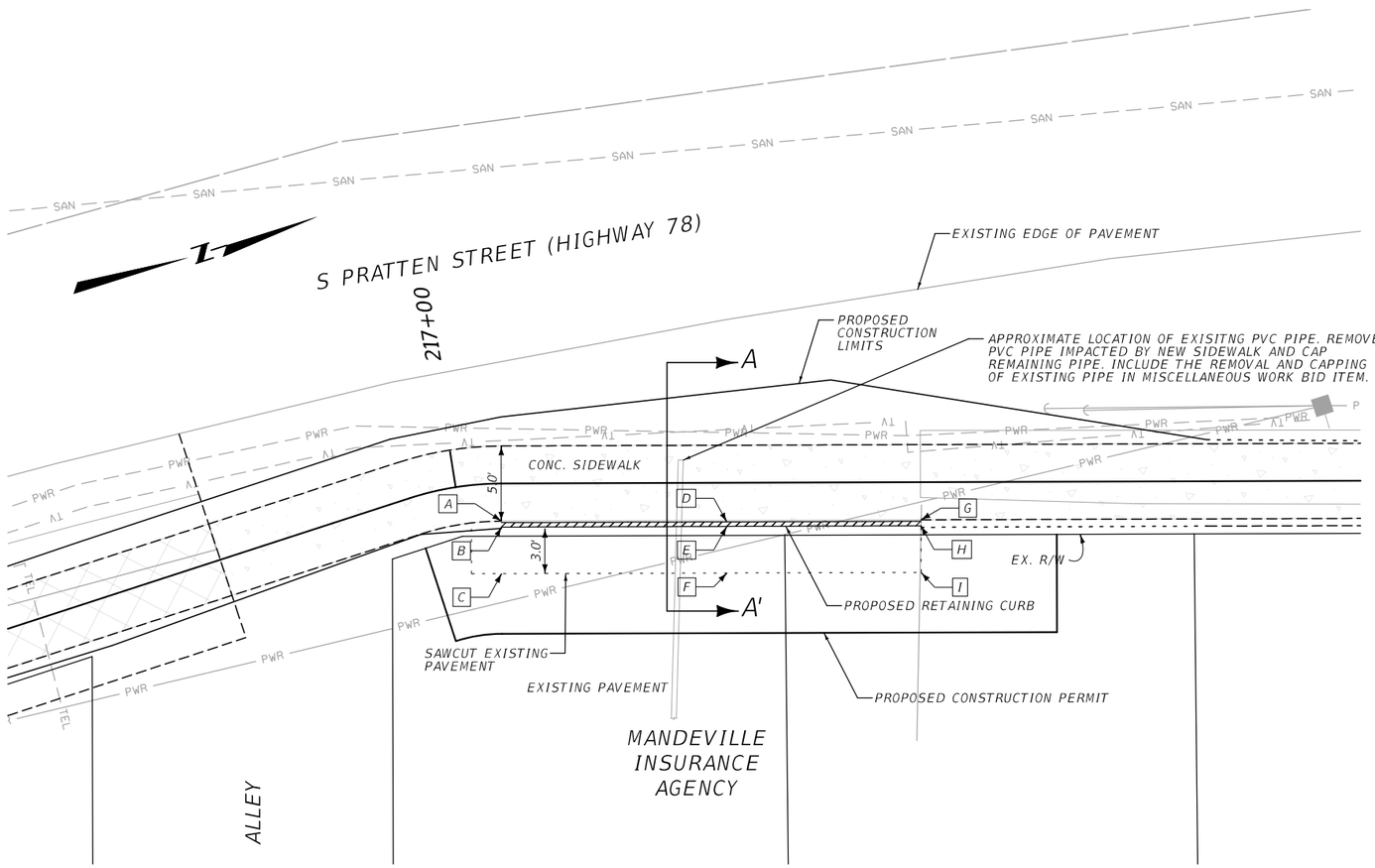
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SEGMENT B





SECTION A-A'



SANDERSON STEWART

COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	211+18.59	2.50' RT.	504,386.562	2,031,609.517	3,576.89	EW
B	211+16.43	9.04' RT.	504,384.453	2,031,616.070	3,577.08	EW – MATCH EX. ELEV.
C	211+21.14	10.73' RT.	504,389.173	2,031,617.724	3,576.95	EW – MATCH EX. ELEV.
D	211+23.86	2.50' RT.	504,391.829	2,031,609.474	3,576.82	EW

LEGEND:
EOP = EDGE OF PAVEMENT
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
RP = RADIUS POINT
RLD = RAMP LAYDOWN CURB
TBC = TOP BACK OF CURB

COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	217+03.06	2.50' RT.	504,969.980	2,031,605.845	3,580.92	EW
B	217+03.06	3.00' RT.	504,969.831	2,031,606.322	3,581.37	TBC – TOP BACK OF RETAIN. CURB
C	217+03.06	6.00' RT.	504,968.934	2,031,609.185	3,581.44	FG – MATCH EX. ELEV.
D	217+17.01	2.50' RT.	504,983.301	2,031,610.016	3,581.18	EW
E	217+17.01	3.00' RT.	504,983.151	2,031,610.493	3,581.58	TBC – TOP BACK OF RETAIN. CURB
F	217+17.01	6.00' RT.	504,982.255	2,031,613.356	3,581.51	FG – MATCH EX. ELEV.
G	217+30.97	2.50' RT.	504,996.621	2,031,614.187	3,581.35	EW
H	217+30.97	3.00' RT.	504,996.472	2,031,614.664	3,581.70	TBC – TOP BACK OF RETAIN. CURB
I	217+30.97	6.00' RT.	504,995.575	2,031,617.527	3,581.80	FG – MATCH EX. ELEV.

HIGHWAY 78 SIDEWALK DETAILS

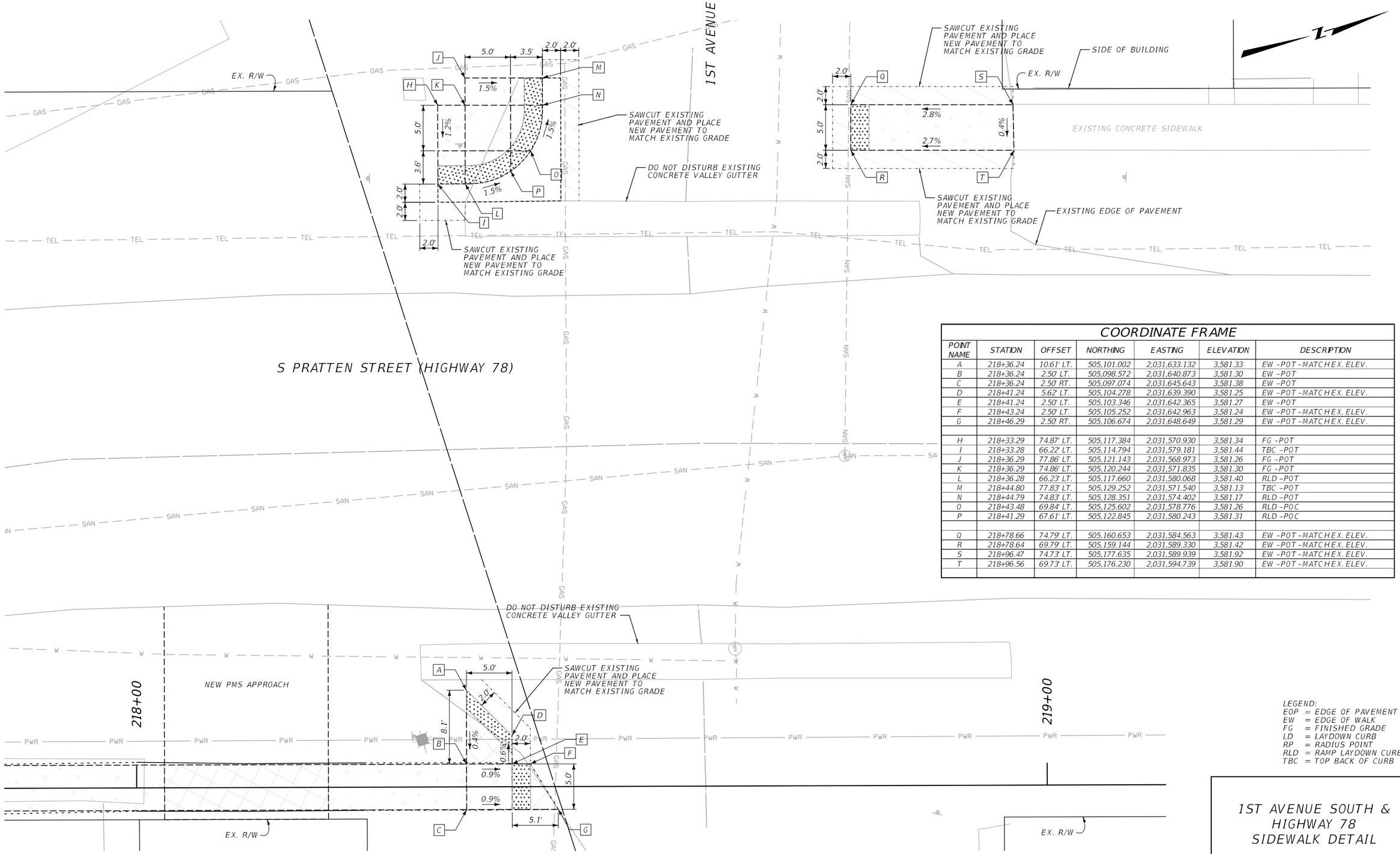
SCALE 1" = 5'

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDD01.DGN	DESIGNED BY	ROAD PLANS		HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
		1/13/2022	REVIEWED BY				
		11:21:02 AM kedam	CHECKED BY	STILLWATER COUNTY		UPN 9449000	SHEET 18

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SEGMENT B



COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	218+36.24	10.61' LT.	505,101.002	2,031,633.132	3,581.33	EW -POT-MATCHEX. ELEV.
B	218+36.24	2.50' LT.	505,098.572	2,031,640.873	3,581.30	EW -POT
C	218+36.24	2.50' RT.	505,097.074	2,031,645.643	3,581.38	EW -POT
D	218+41.24	5.62' LT.	505,104.278	2,031,639.390	3,581.25	EW -POT-MATCHEX. ELEV.
E	218+41.24	2.50' LT.	505,103.346	2,031,642.365	3,581.27	EW -POT
F	218+43.24	2.50' LT.	505,105.252	2,031,642.963	3,581.24	EW -POT-MATCHEX. ELEV.
G	218+46.29	2.50' RT.	505,106.674	2,031,648.649	3,581.29	EW -POT-MATCHEX. ELEV.
H	218+33.29	74.87' LT.	505,117.384	2,031,570.930	3,581.34	FG -POT
I	218+33.28	66.22' LT.	505,114.794	2,031,579.181	3,581.44	TBC -POT
J	218+36.29	77.86' LT.	505,121.143	2,031,568.973	3,581.26	FG -POT
K	218+36.29	74.86' LT.	505,120.244	2,031,571.835	3,581.30	FG -POT
L	218+36.28	66.23' LT.	505,117.660	2,031,580.068	3,581.40	RLD -POT
M	218+44.80	77.83' LT.	505,129.252	2,031,571.540	3,581.13	TBC -POT
N	218+44.79	74.83' LT.	505,128.351	2,031,574.402	3,581.17	RLD -POT
O	218+43.48	69.84' LT.	505,125.602	2,031,578.776	3,581.26	RLD -POC
P	218+41.29	67.61' LT.	505,122.845	2,031,580.243	3,581.31	RLD -POC
Q	218+78.66	74.79' LT.	505,160.653	2,031,584.563	3,581.43	EW -POT-MATCHEX. ELEV.
R	218+78.64	69.79' LT.	505,159.144	2,031,589.330	3,581.42	EW -POT-MATCHEX. ELEV.
S	218+96.47	74.73' LT.	505,177.635	2,031,589.939	3,581.92	EW -POT-MATCHEX. ELEV.
T	218+96.56	69.73' LT.	505,176.230	2,031,594.739	3,581.90	EW -POT-MATCHEX. ELEV.

LEGEND:
EOP = EDGE OF PAVEMENT
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
RP = RADIUS POINT
RLD = RAMP LAYDOWN CURB
TBC = TOP BACK OF CURB

1ST AVENUE SOUTH & HIGHWAY 78 SIDEWALK DETAIL

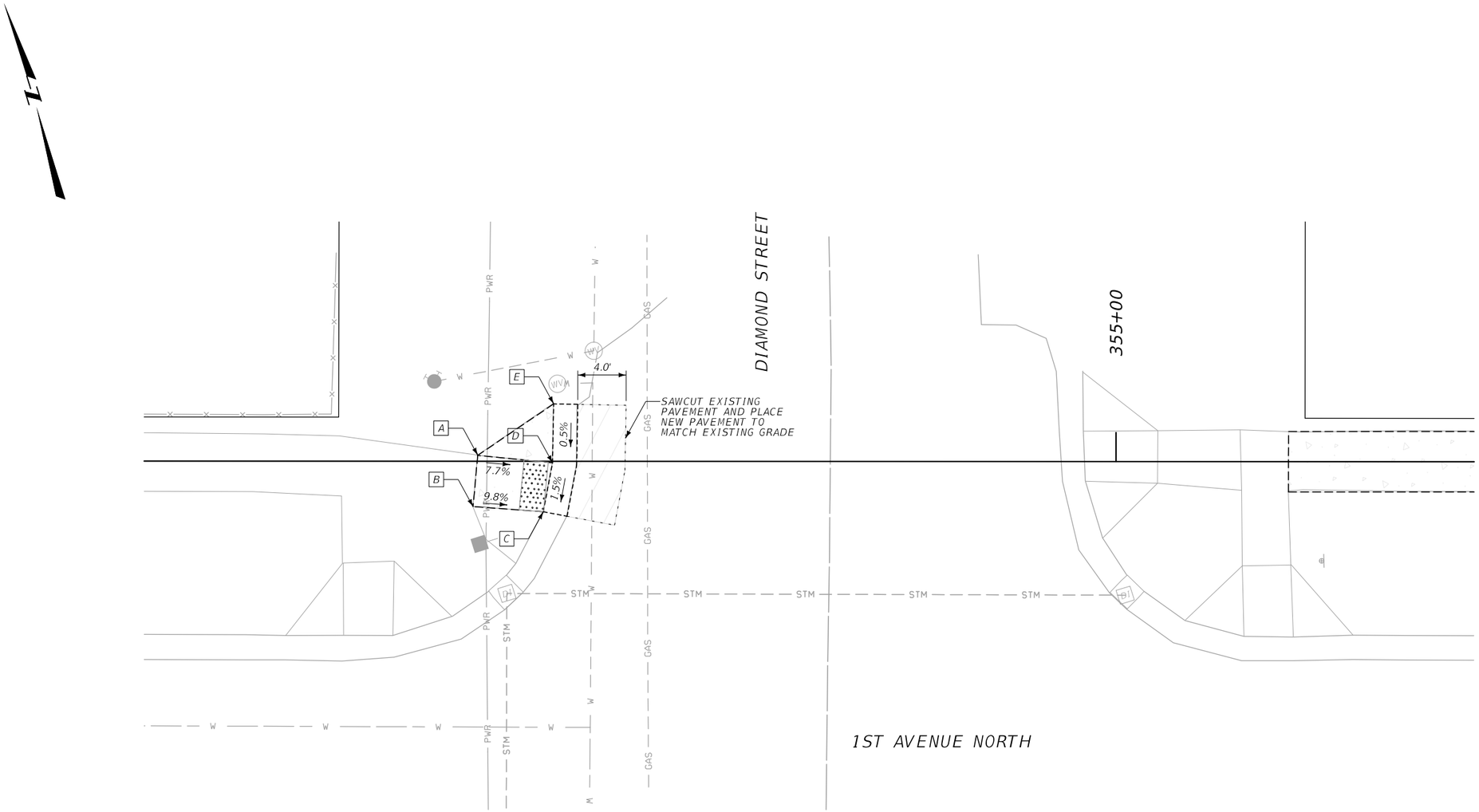
SCALE 1" = 5'

SANDERSON STEWART

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDD01.DGN	DESIGNED BY	ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 19
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COORDINATE FRAME						
POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	354+47.17	0.49' LT.	506,068.618	2,032,278.671	3,583.21	FG – POT – MATCH EX. ELEV.
B	354+46.79	3.74' RT.	506,064.691	2,032,277.042	3,583.24	FG – POT – MATCH EX. ELEV.
C	354+52.60	4.17' RT.	506,062.543	2,032,282.456	3,582.67	RLD – POT – MATCH EX. ELEV.
D	354+53.37	0.12' RT	506,066.180	2,032,284.396	3,582.73	RLD – POT
E	354+53.46	4.76' LT.	506,070.807	2,032,285.944	3,583.17	TBC – POT

LEGEND:
EOP = EDGE OF PAVEMENT
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
RP = RADIUS POINT
RLD = RAMP LAYDOWN CURB
TBC = TOP BACK OF CURB

DIAMOND STREET & 1ST AVENUE NORTH SIDEWALK DETAIL

SCALE 1" = 5'

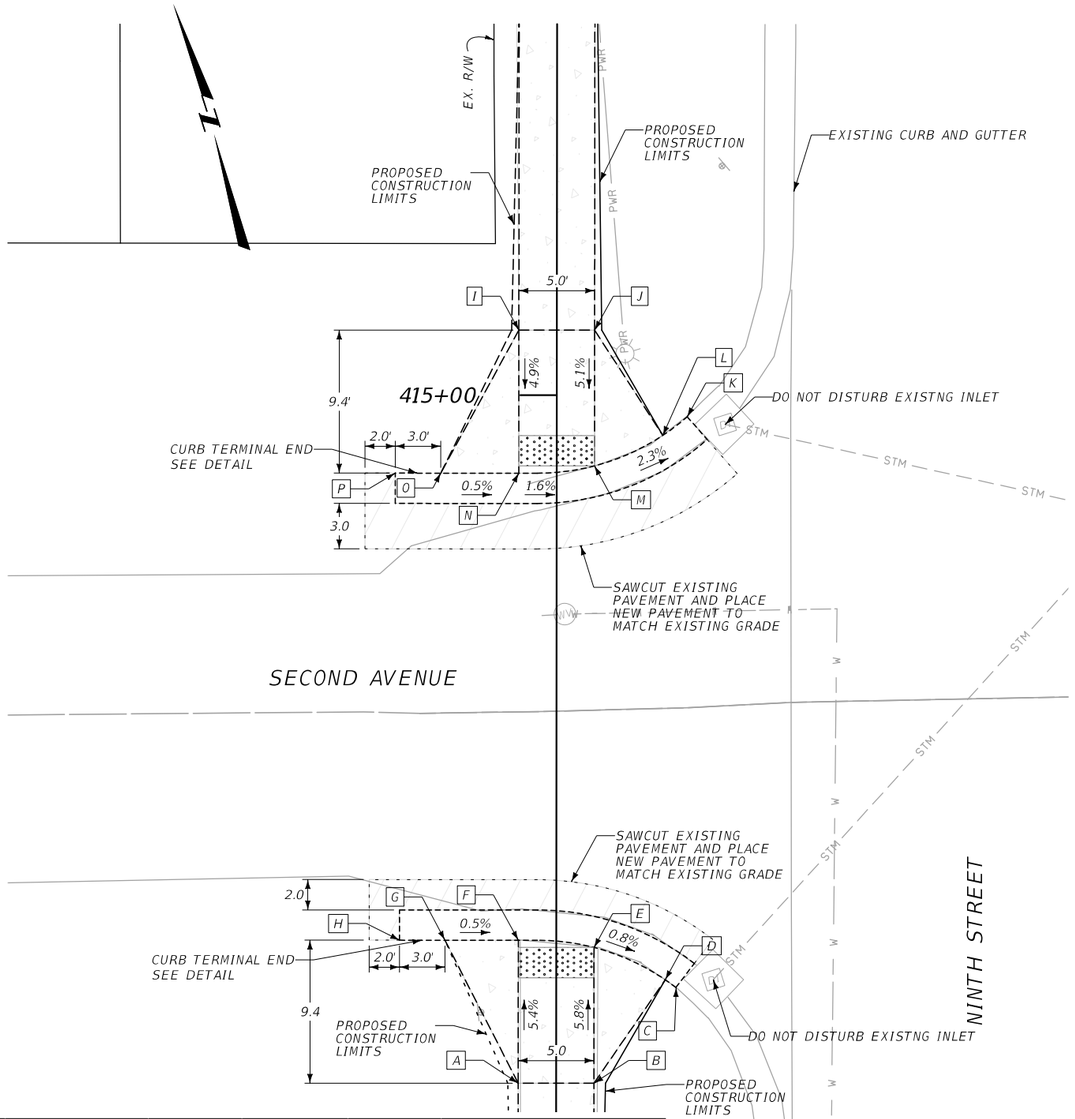
SANDERSON STEWART

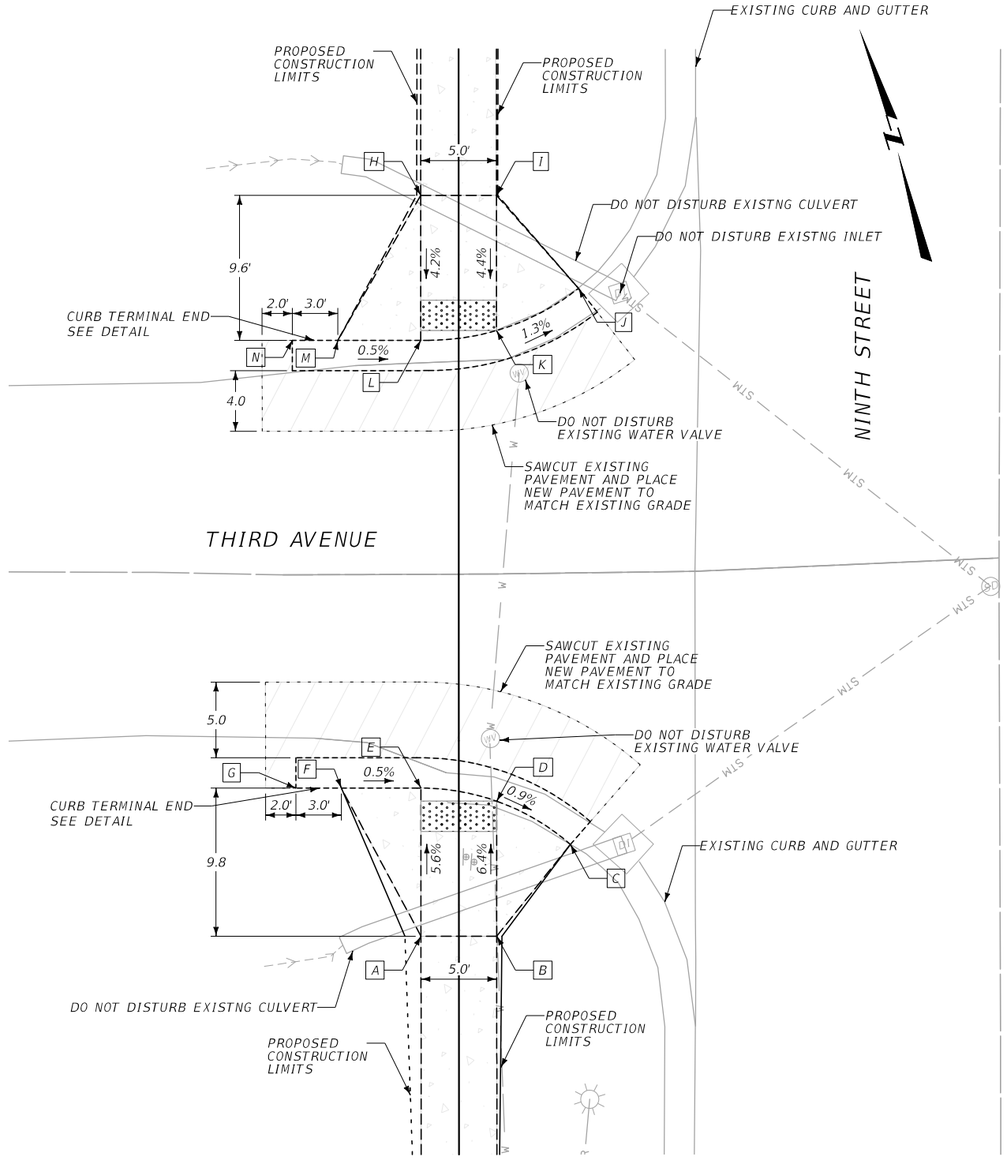
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2			1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000 / SHEET 20
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SEGMENT E





COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	414+54.58	2.50' LT.	506,137.274	2,033,086.784	3,581.87	EW – POT
B	414+54.58	2.50' RT.	506,135.777	2,033,091.555	3,581.79	EW – POT
C	414+60.91	9.70' RT.	506,140.197	2,033,098.608	3,581.64	TBC – PC – MATCH EX. ELEV.
D	414+61.42	7.20' RT.	506,140.893	2,033,098.090	3,581.64	TBC – POC
E	414+63.54	2.50' RT.	506,144.328	2,033,094.242	3,581.27	RLD – POC
F	414+64.01	2.50' LT.	506,146.277	2,033,089.613	3,581.36	RLD – POT
G	414+64.01	7.34' LT.	506,147.728	2,033,084.991	3,581.80	TBC – POT
H	414+64.01	10.34' LT.	506,148.626	2,033,082.129	3,581.59	TBC – POT – MATCH EX. ELEV.
I	415+04.29	2.50' LT.	506,184.700	2,033,101.686	3,581.95	EW – POT
J	415+04.29	2.50' RT.	506,183.202	2,033,106.456	3,581.87	EW – POT
K	414+98.58	8.62' RT.	506,175.919	2,033,110.581	3,581.66	TBC – PC – MATCH EX. ELEV.
L	414+97.35	7.01' RT.	506,175.226	2,033,108.676	3,581.70	TBC – POC
M	414+95.33	2.50' RT.	506,174.654	2,033,103.770	3,581.41	RLD – POC
N	414+94.84	2.50' LT.	506,175.689	2,033,098.854	3,581.49	RLD – POT
O	414+94.84	7.65' LT.	506,177.232	2,033,093.937	3,581.94	TBC – POT
P	414+94.84	10.65' LT.	506,178.130	2,033,091.075	3,581.69	TBC – POT – MATCH EX. ELEV.

COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	418+25.07	2.50' LT.	506,490.734	2,033,197.844	3,582.83	EW – POT
B	418+25.07	2.50' RT.	506,489.235	2,033,202.614	3,582.75	EW – POT
C	418+31.13	7.36' RT.	506,493.555	2,033,209.066	3,582.60	TBC – PC – MATCH EX. ELEV.
D	418+33.99	2.50' RT.	506,497.737	2,033,205.285	3,582.18	RLD – POC
E	418+34.86	2.50' LT.	506,500.065	2,033,200.776	3,582.28	RLD – PT
F	418+34.85	7.76' LT.	506,501.638	2,033,195.757	3,582.73	TBC – POT
G	418+34.85	10.76' LT.	506,502.537	2,033,192.895	3,582.37	TBC – POT – MATCH EX. ELEV.
H	418+73.97	2.50' LT.	506,537.384	2,033,212.502	3,582.69	EW – POT
I	418+73.97	2.50' RT.	506,535.887	2,033,217.272	3,582.61	EW – POT
J	418+67.84	7.91' RT.	506,528.407	2,033,220.594	3,582.56	TBC – PC – MATCH EX. ELEV.
K	418+65.05	2.50' RT.	506,527.373	2,033,214.597	3,582.22	RLD – POC
L	418+64.41	2.50' LT.	506,528.261	2,033,209.635	3,582.29	RLD – POT
M	418+64.41	7.98' LT.	506,529.901	2,033,204.410	3,582.74	TBC – POT
N	418+64.41	10.98' LT.	506,530.799	2,033,201.547	3,582.45	TBC – POT – MATCH EX. ELEV.

LEGEND:
EOP = EDGE OF PAVEMENT
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
RP = RADIUS POINT
RLD = RAMP LAYDOWN CURB
TBC = TOP BACK OF CURB

NINTH STREET & SECOND AVENUE SIDEWALK DETAIL

NINTH STREET & THIRD AVENUE SIDEWALK DETAIL

SCALE 1" = 5'

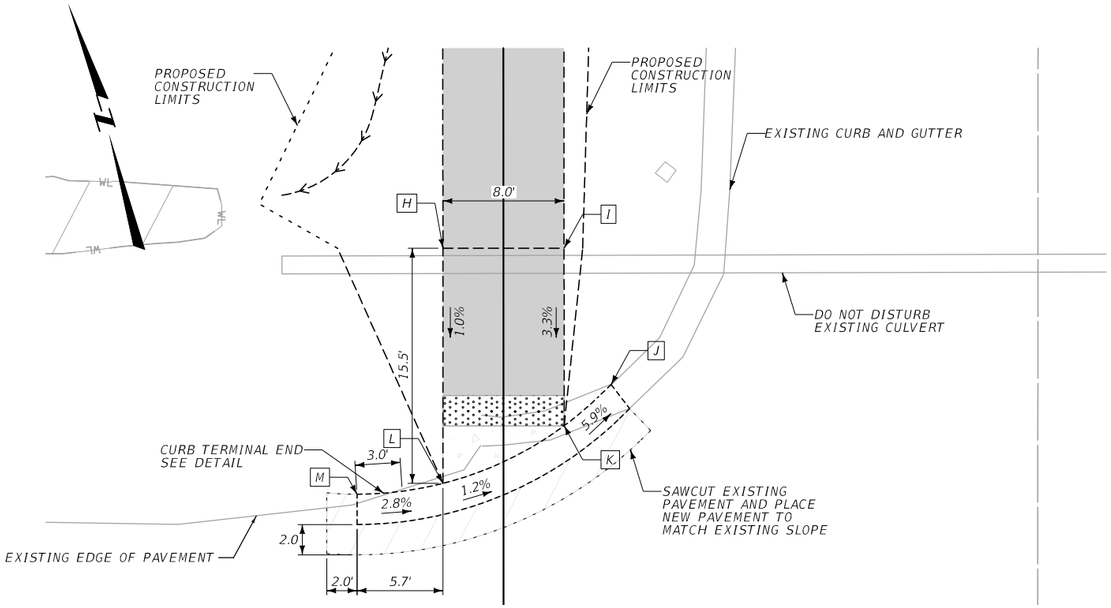
SANDERSON STEWART

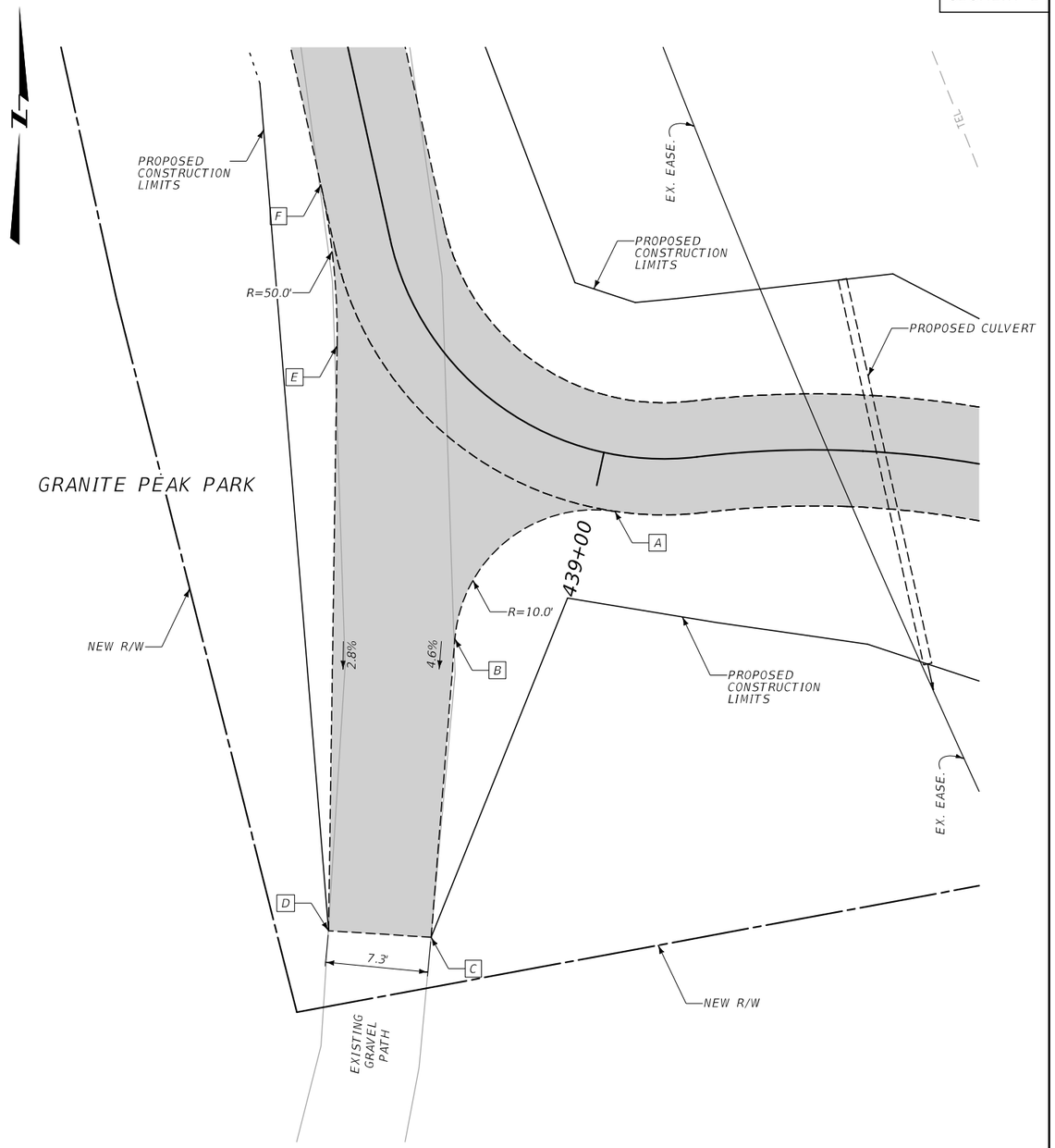
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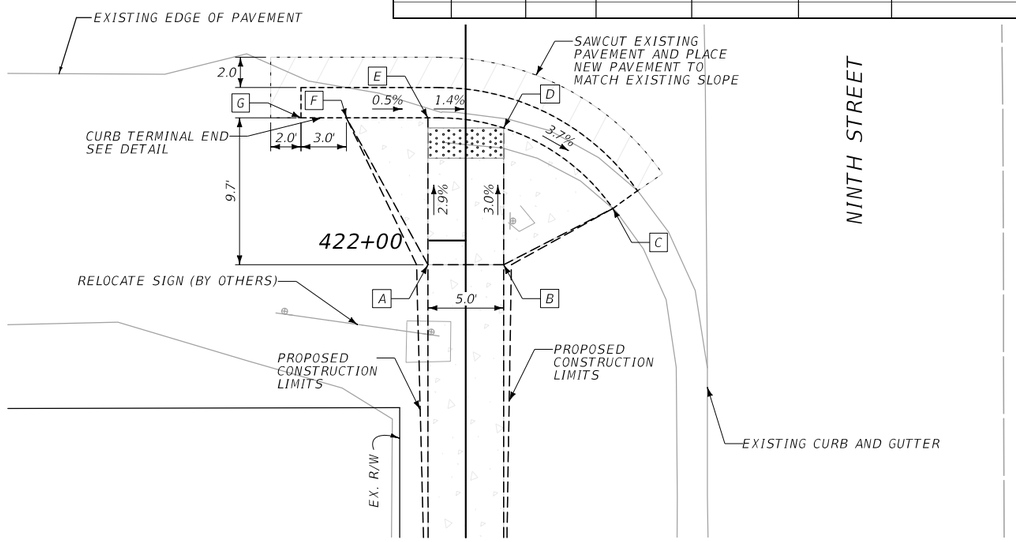
SEGMENT E





COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	421+98.41	2.50' LT.	506,846.898	2,033,309.753	3,584.03	EW – POT
B	421+98.41	2.50' RT.	506,845.399	2,033,314.523	3,583.95	EW – POT
C	422+02.11	9.71' RT.	506,846.774	2,033,322.512	3,583.74	TBC – PC – MATCH EX. ELEV.
D	422+07.43	2.50' RT.	506,854.007	2,033,317.227	3,583.68	RLD – POC
E	422+08.10	2.50' LT.	506,856.142	2,033,312.657	3,583.75	RLD – POT
F	422+08.10	7.88' LT.	506,857.756	2,033,307.528	3,584.20	TBC – POT
G	422+08.10	10.87' LT.	506,858.656	2,033,304.669	3,583.84	TBC – POT – MATCH EX. ELEV.
H	422+58.43	4.00' LT.	506,904.613	2,033,326.315	3,584.00	EOP – POT
I	422+58.43	4.00' RT.	506,902.217	2,033,333.948	3,584.12	EOP – POT
J	422+49.43	7.10' RT	506,892.702	2,033,334.209	3,583.87	TBC – POT – MATCH EX. ELEV.
K	422+46.71	4.00' RT.	506,891.036	2,033,330.434	3,583.73	RLD – POC
L	422+42.91	4.00' LT.	506,889.809	2,033,321.663	3,583.84	RLD – POC
M	422+42.20	9.67' LT.	506,890.830	2,033,316.036	3,583.99	TBC – PT – MATCH EX. ELEV.



LEGEND:
EOP = EDGE OF PAVEMENT
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
RP = RADIUS POINT
RLD = RAMP LAYDOWN CURB
TBC = TOP BACK OF CURB

COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	438+98.62	4.00' LT.	508,320.517	2,032,768.046	3,607.45	EOP – PC
B	439+04.22	16.07' LT.	508,311.417	2,032,756.625	3,606.69	EOP – PT
C	439+01.66	36.63' LT.	508,290.123	2,032,754.930	3,605.70	EOP – POT – MATCH EX. ELEV.
D	439+04.09	38.77' LT.	508,290.591	2,032,747.602	3,605.69	EOP – POT – MATCH EX. ELEV.
E	439+17.66	6.19' LT.	508,332.330	2,032,748.218	3,606.84	EOP – PC
F	439+27.62	4.00' LT.	508,343.819	2,032,747.054	3,607.16	EOP – PT

NINTH STREET & FOURTH AVENUE SIDEWALK DETAIL

GRANITE PEAK PARK PATH CONNECTION DETAIL

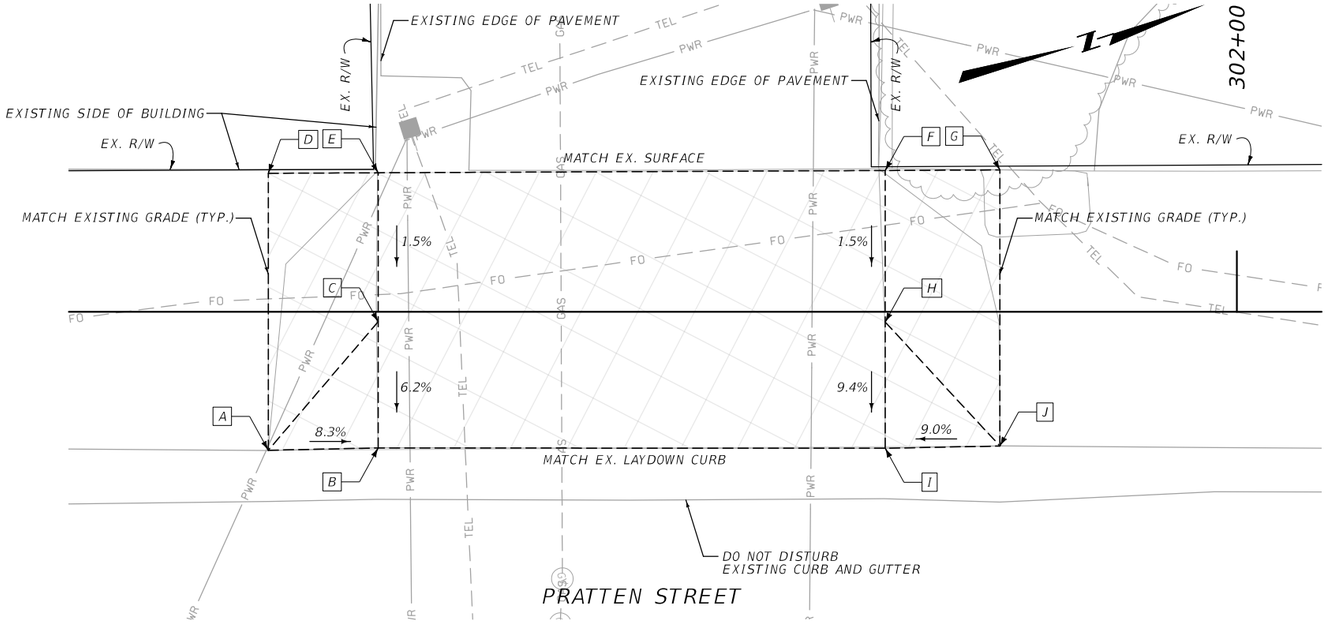
SCALE 1" = 5'

SANDERSON STEWART

3	MDT	MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDD01.dgn	DESIGNED BY	ROAD PLANS	HWY 78 PATH & WALKS – COLUMBUS / TA 48(55)
2			1/13/2022	REVIEWED BY		
			11:21:12 AM kedam	CHECKED BY	STILLWATER COUNTY	UPN 9449000 / SHEET 22

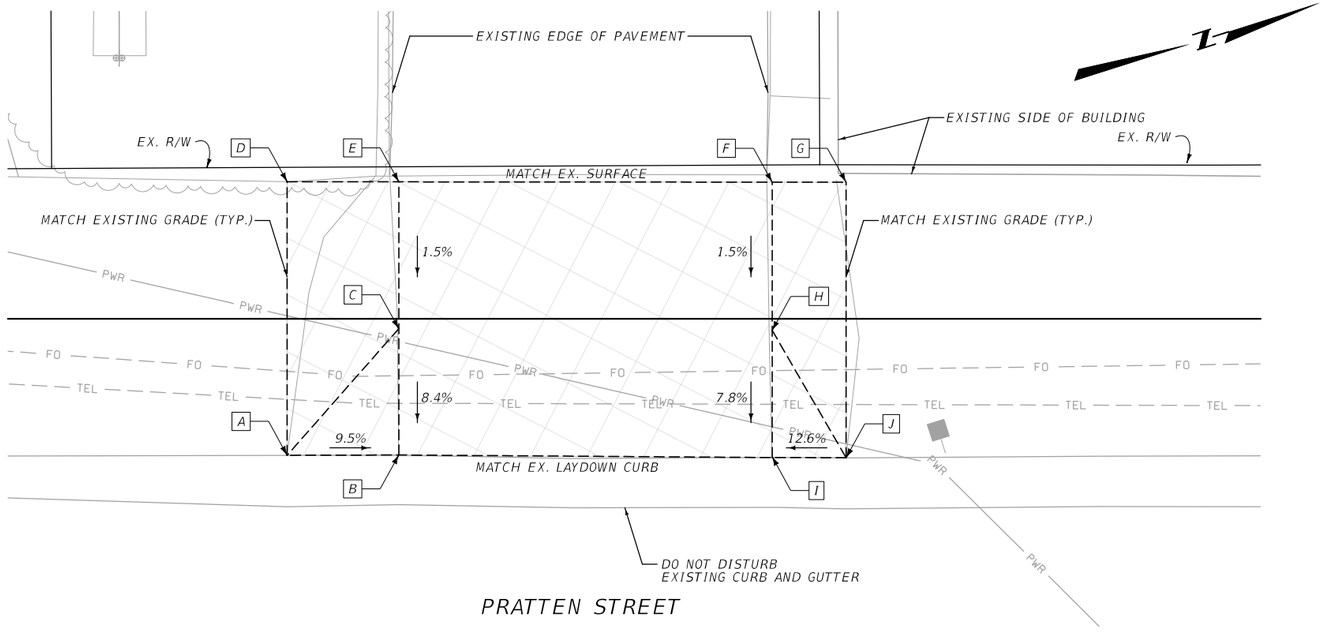
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SEGMENT C



COORDINATE FRAME						
POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	301+61.63	5.48' RT.	505,953.370	2,031,842.680	3,584.19	TBC - POT - MATCH EXISTING
B	301+65.98	5.39' RT.	505,957.543	2,031,843.915	3,583.83	LD - POT - MATCH EXISITNG
C	301+65.98	0.39' RT.	505,959.061	2,031,839.151	3,584.14	FG - POT
D	301+61.63	5.49' LT.	505,956.701	2,031,832.230	3,584.51	EW - POT - MATCH EXISITNG
E	301+65.98	5.51' LT.	505,960.852	2,031,833.533	3,584.23	EW - POT - MATCH EXISITNG
F	301+86.07	5.60' LT.	505,980.016	2,031,839.545	3,584.41	EW - POT - MATCH EXISITNG
G	301+90.61	5.62' LT	505,984.351	2,031,840.905	3,584.47	EW - POT - MATCH EXISITNG
H	301+86.07	0.40' RT.	505,978.194	2,031,845.263	3,584.32	FG - POT
I	301+86.07	5.40' RT.	505,976.675	2,031,850.027	3,583.85	LD - POT - MATCH EXISITNG
J	301+90.61	5.32' RT.	505,981.030	2,031,851.322	3,584.26	TBC - POT - MATCH EXISITNG

LEGEND:
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
TBC = TOP BACK OF CURB



COORDINATE FRAME						
POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	302+34.97	5.41' RT.	506,023.265	2,031,864.880	3,584.43	TBC - POT - MATCH EXISTING
B	302+39.39	5.39' RT.	506,027.479	2,031,866.211	3,584.01	LD - POT - MATCH EXISITNG
C	302+39.39	0.39' RT.	506,028.999	2,031,861.444	3,584.43	FG - POT
D	302+34.97	5.43' LT.	506,026.555	2,031,854.558	3,584.55	EW - POT - MATCH EXISITNG
E	302+39.39	5.42' LT.	506,030.765	2,031,855.904	3,584.52	EW - POT - MATCH EXISITNG
F	302+54.18	5.41' LT.	506,044.852	2,031,860.406	3,584.42	EW - POT - MATCH EXISITNG
G	302+57.11	5.41' LT.	506,047.642	2,031,861.298	3,584.51	EW - POT - MATCH EXISITNG
H	302+54.18	0.46' RT.	506,043.069	2,031,865.997	3,584.33	FG - POT
I	302+54.18	5.49' RT.	506,041.540	2,031,870.796	3,583.94	LD - POT - MATCH EXISITNG
J	302+57.11	5.50' RT.	506,044.328	2,031,871.693	3,584.31	TBC - POT - MATCH EXISITNG

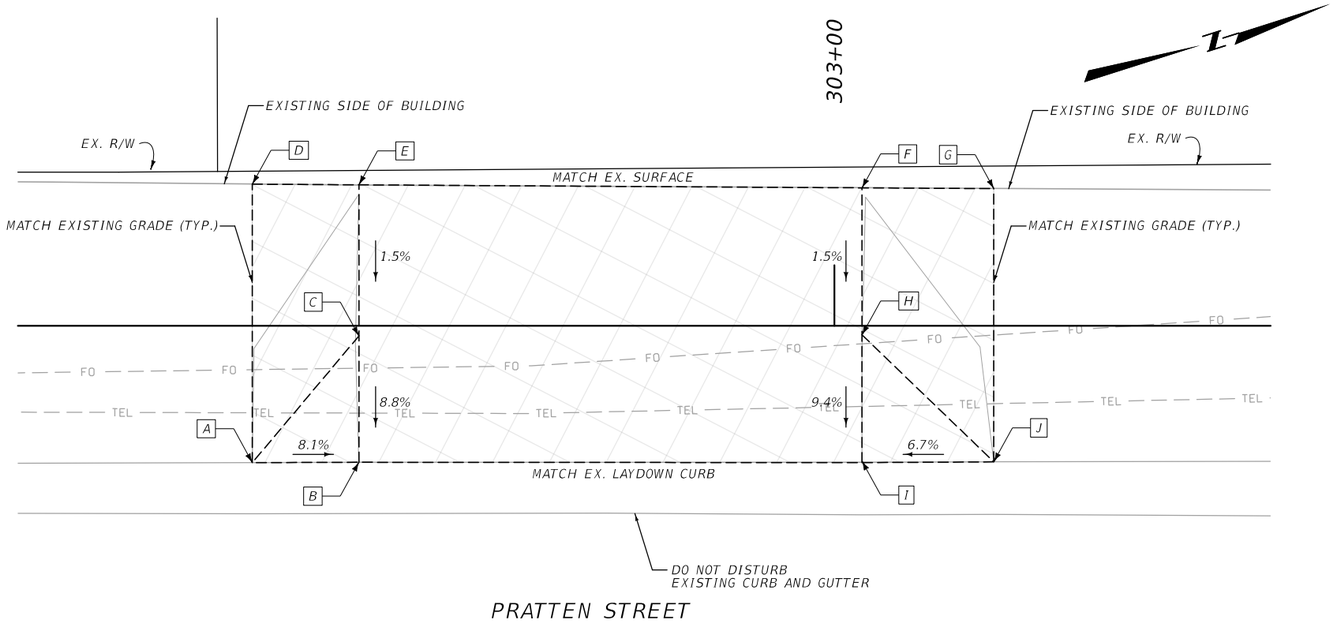
LEGEND:
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
TBC = TOP BACK OF CURB

STA 301+76
APPROACH DETAIL
SCALE 1" = 3'

STA 302+47
APPROACH DETAIL
SCALE 1" = 3'

SANDERSON STEWART

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COORDINATE FRAME

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	302+76.95	5.42' RT.	506,063.260	2,031,877.641	3,584.37	TBC - POT - MATCH EXISTING
B	302+81.17	5.40' RT.	506,067.285	2,031,878.909	3,584.03	LD - POT - MATCH EXISITNG
C	302+81.17	0.40' RT.	506,068.805	2,031,874.142	3,584.47	FG - POT
D	302+76.95	5.61' LT.	506,066.610	2,031,867.133	3,584.56	EW - POT - MATCH EXISITNG
E	302+81.17	5.58' LT.	506,070.622	2,031,868.439	3,584.56	EW - POT - MATCH EXISITNG
F	303+01.10	5.46' LT.	506,089.571	2,031,874.605	3,584.57	EW - POT - MATCH EXISITNG
G	303+06.32	5.43' LT.	506,094.535	2,031,876.221	3,584.57	EW - POT - MATCH EXISITNG
H	303+01.10	0.36' RT.	506,087.803	2,031,880.150	3,584.48	FG - POT
I	303+01.10	5.42' RT.	506,086.266	2,031,884.974	3,584.01	LD - POT - MATCH EXISITNG
J	303+06.32	5.39' RT.	506,091.250	2,031,886.529	3,584.36	TBC - POT - MATCH EXISITNG

LEGEND:
EW = EDGE OF WALK
FG = FINISHED GRADE
LD = LAYDOWN CURB
TBC = TOP BACK OF CURB

STA 302+91
APPROACH DETAIL

SCALE 1" = 3'

SANDERSON STEWART

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDDET01.dgn	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 24
		11:21:17 AM kedam	CHECKED BY				

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SEGMENT A

UTILITY CROSSINGS
101+94 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
103+48 UNK. SIZE WATER X-ING - UNKNOWN DEPTH

80'

100+00

QUARRY STREET

EX. R/W

T. 2 S. - R. 20 E.

102+00

104+00

(PED)-POB 100+00.00

(PED)-PC 100+66.47

EX. R/W

EX. R/W

S 71° 19' 10" E

S 72° 45' 03" E

E PIKE AVENUE

NEW INSULATION. SEE DETAIL

(PED)-PRC 100+82.65

(PED)-PT 101+00.32

POT 100+59.36
BEGIN SEGMENT A TA 48(55)

PI =100+74.61
Δ =15° 26' 58" (RT)
R =60'
T =8.14'
L =16.18'
E =0.55'

PI =100+91.55
Δ =16° 52' 52" (LT)
R =60'
T =8.90'
L =17.68'
E =0.66'

103+24
15" RCP APP. PIPE IN PL. LT.
REMOVE
103+24
NEW 22" x 13.5" RCPA APP. PIPE LT.

104+03
15" RCP APP. PIPE IN PL. LT.
REMOVE
104+03
NEW 22" x 13.5" RCPA APP. PIPE LT.

103+24
PRIVATE APP.
49.4' TOP WIDTH

104+03
PRIVATE APP.
49.5' TOP WIDTH

100' VC

+97.92

+49.29

+77.33

+28.83

NEW CONC. CURB LT.

NEW CONC. CURB LT.

NEW CONC. CURB LT.

NEW CONC. CURB LT.

100' VC

3,603.14

100+74.71

EL.3,603.12

-0.113%

-4.101%

-2.416%

103+00.00

EL.3,593.88

104+25.00

EL.3,590.86

103+46.52 LT. TO 103+48.82 LT.
INSULATE
WATER SERVICE

+59.36
+63.80

NEW 8' CONCRETE SIDEWALK
INCL. 1-CONC. ADA RAMP

NEW 8' ASPHALT PATH

3600
3590
3596
3594
3592
3590
3580

100+00
101+00
102+00
103+00
104+00

SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLNSHT.dgn	DESIGNED BY	ROAD PLANS		HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
2		1/13/2022	REVIEWED BY	STILLWATER COUNTY		UPN 9449000	SHEET 25
		11:21:18 AM kedam	CHECKED BY				

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SEGMENT A

UTILITY CROSSINGS
105+59 O.H. POWER X-ING - UNKNOWN CLR
105+64 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
106+10 UNK. SIZE WATER X-ING - UNKNOWN DEPTH

104+00 | 106+00 | 108+00

80'

EX. R/W

T. 2 S. R. 20 E.

2ND STREET N

3RD STREET

(PED)-PC 106+31.27
(PED)-PT 106+37.12
(PED)-PC 106+43.92
(PED)-PT 106+53.70
(PED)-POE 108+13.34

HA-1

S 72° 45' 03" E

S 72° 37' 40" E

N 62° 32' 24" E

DO NOT DISTURB
EXISTING WATER VALVE

E PIKE AVENUE

PWR

STM

SAN

W

PI =106+34.36
Δ =44° 42' 33" (LT)
R =7.5'
T =3.08'
L =5.85'
E =0.61'

PI =106+49.08
Δ =44° 49' 56" (RT)
R =12.5'
T =5.16'
L =9.78'
E =1.02'

105+94
PUBLIC APP.
(2ND STREET N)

106+87
PRIVATE SIDEWALK CONNECTION

NEW 5' CONC. SIDEWALK
INCL. 1-CONC. ADA RAMP,
1-SIDEWALK CONNECTION,
AND 1-DRIVEWAY

107+45
PRIVATE APP.
20.0' TOP WIDTH

+16.36 | +88.56

+06.20 | +16.36

NEW CONC. CURB & GUTTER LT.
INCL. 1-TRANS. RAMP TO LD CURB AND GUTTER

POT 107+88.56
END SEGMENT A TA 48(55)

100' VC

35' VC

104+25.00 EL.3,590.86

-1.626%

105+70.16 EL.3,588.50

-5.000%

105+75.16 EL.3,588.25

3,588.14

106+12.71 EL.3,588.14

+1.900%

106+26.04 EL.3,588.39

+5.110%

106+34.00 EL.3,588.80

-1.514%

106+55.00 EL.3,588.48

+0.503%

107+30.12 EL.3,588.86

-5.000%

107+35.12 EL.3,588.61

-0.500%

107+55.12 EL.3,588.51

107+60.12 EL.3,588.63

+2.400%

-1.336%

3,588.25

3590

3580

NEW 8' ASPHALT PATH

NEW 8' CONCRETE SIDEWALK
INCL. 1-CONC. ADA RAMP

+70.75 | +75.16

+16.36

NEW CONC. CURB & GUTTER RT.
INCL. 1-TRANS. RAMP TO LD CURB AND GUTTER

+88.56

104+00 | 105+00 | 106+00 | 107+00 | 108+00

SANDERSON STEWART

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLN01.DGN 1/13/2022 11:21:19 AM kedam	DESIGNED BY REVIEWED BY CHECKED BY		ROAD PLANS STILLWATER COUNTY	HWY 78 PATH & WALKS - COLUMBUS UPN 9449000	TA 48(55) SHEET 26

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SEGMENT B

200+00

202+00

204+00

T. 2 S., R. 20 E.

EX. R/W

EX. R/W

EX. R/W

EX. R/W

EX. R/W

140'

100'

(PED)-POB 200+00.00

(PED)-PC 200+20.09

(PED)-PRC 200+92.56

(PED)-PT 201+36.57

(PED)-PC 202+31.23

(PED)-PRC 202+54.02

(PED)-PT 202+76.90

(PED)-PC 202+93.57

(PED)-PRC 203+16.22

(PED)-PT 203+38.90

HIGHWAY 78 (S PRATTEN STREET)

ST-8

ST-9

FLOODPLAIN BOUNDARY

FLOODPLAIN BOUNDARY

N 26° 45' 33" E

N 0° 24' 53" W

N 0° 30' 25" W

N 0° 29' 00" W

HA-4

ITCH-KEP-PE PARK

PI =200+61.48
Δ =69° 12' 15" (LT)
R =60'
T =41.39'
L =72.47'
E =12.89'

PI =201+15.61
Δ =42° 01' 49" (RT)
R =60'
T =23.05'
L =44.01'
E =4.28'

ST-11

PI =202+42.76
Δ =21° 45' 39" (RT)
R =60'
T =11.53'
L =22.79'
E =1.10'

PI =202+65.60
Δ =21° 51' 10" (LT)
R =60'
T =11.58'
L =22.88'
E =1.11'

PI =203+05.03
Δ =21° 38' 03" (LT)
R =60'
T =11.46'
L =22.66'
E =1.09'

PI =203+27.70
Δ =21° 39' 27" (RT)
R =60'
T =11.48'
L =22.68'
E =1.09'

WETLAND 1B

WETLAND 1A

ST-12

+20.18
+23.60
NEW 8' CONC. SIDEWALK
INCL. 1-CONC. ADA RAMP

NEW 8' ASPHALT PATH

202+88
FARM FIELD APP.
20.0' TOP WIDTH

POT 200+20.18
BEGIN SEGMENT B TA 48(55)

3,585.21

+1.240%

201+00.00
EL.3,586.20

-1.996%

+02.25
NEW MGS GUARDRAIL LT.
+10.14

+64.91
NEW MGS GUARDRAIL LT.

100' VC

300' VC

-1.021%

203+25.00
EL.3,581.71

200+45.00 RT. TO 202+75.00 RT.
385 S.Y. NEW TURF. REIN. MAT-NATURAL FIBER

203+03.35 RT. TO 206+00.00 RT.
408 S.Y. NEW TURF. REIN. MAT-NATURAL FIBER

+14.94
NEW PEDESTRIAN RAIL RT.
+75.00

+03.35
NEW PEDESTRIAN RAIL RT.

+45.00
NEW SPECIAL BORROW AND GEOGRID

3585

3575

200+00

201+00

202+00

203+00

204+00

205+00

SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPL02.DGN	DESIGNED BY	ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
2		1/13/2022	REVIEWED BY			
		11:21:20 AM kedam	CHECKED BY	STILLWATER COUNTY	UPN 9449000	SHEET 27

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SEGMENT B

UTILITY CROSSINGS
209+40 U.G. POWER X-ING - UNKNOWN DEPTH
209+97 U.G. POWER X-ING - UNKNOWN DEPTH

206+00

208+00

210+00

EX. R/W

HIGHWAY 78 (S PRATTEN STREET)

ST-10

HA-3

WETLAND 1A

FLOODPLAIN BOUNDARY

TREE ROW

N 0° 29' 00" W

N 0° 13' 41" W

N 0° 38' 37" W

N 0° 26' 35" W

(PED)-PC 207+65.72

(PED)-PRC 207+85.88

(PED)-PT 208+05.78

(PED)-PC 208+42.65

(PED)-PRC 208+65.39

(PED)-PT 208+87.41

(PED)-PC 210+10.35

(PED)-PRC 210+20.40

(PED)-PT 210+28.92

100'

60'

PWR

SAN

TEL

TV

PI =207+75.90
Δ =19° 15' 15" (RT)
R =60'
T =10.18'
L =20.16'
E =0.86'

PI =207+95.92
Δ =18° 59' 57" (LT)
R =60'
T =10.04'
L =19.90'
E =0.83'

PI =208+54.07
Δ =13° 01' 53" (LT)
R =100'
T =11.42'
L =22.74'
E =0.65'

PI =208+76.44
Δ =12° 36' 57" (RT)
R =100'
T =11.05'
L =22.02'
E =0.61'

PI =210+15.38
Δ =9° 35' 55" (RT)
R =60'
T =5.04'
L =10.05'
E =0.21'

PI =210+24.67
Δ =8° 08' 19" (LT)
R =60'
T =4.27'
L =8.52'
E =0.15'

DO NOT DISTURB EXISTING POWER POLE

208+23
PRIVATE APP.
20.0' TOP WIDTH

NEW 8' ASPHALT PATH

NEW MGS GUARDRAIL LT.

NEW PEDESTRIAN RAIL RT.

NEW SPECIAL BORROW AND GEOGRID

NEW SPECIAL BORROW

NEW 5' CONC. SIDEWALK
INCL. 1-CONC. ADA RAMP
AND 1-SIDEWALK DRAIN

209+75.00
NEW SIDEWALK DRAIN
SEE DETAIL

+39.39

+65.72

+00.00

+50.00

+64.69

3580

3570

-1.021%

150' VC

75' VC

-0.096%

+0.481%

+0.481%

208+50.00
EL.3,576.35

209+64.63
EL.3,576.24

205+00 206+00 207+00 208+00 209+00 210+00 211+00

SANDERSON STEWART

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLOT.dgn 1/13/2022 11:21:21 AM kedam	DESIGNED BY REVIEWED BY CHECKED BY		ROAD PLANS STILLWATER COUNTY		HWY 78 PATH & WALKS - COLUMBUS UPN 9449000 / TA 48(55) / SHEET 28

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SEGMENT B

UTILITY CROSSINGS
211+35 GAS X-ING - UNKNOWN DEPTH
213+87 UNK. SIZE SAN. SEWER X-ING - UNKNOWN DEPTH
213+94 U.G. POWER X-ING - UNKNOWN DEPTH
213+98 U.G. POWER X-ING - UNKNOWN DEPTH
214+04 U.G. TELEPHONE X-ING - UNKNOWN DEPTH
215+23 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
215+67 U.G. TELEPHONE X-ING - UNKNOWN DEPTH
215+70 U.G. POWER X-ING - UNKNOWN DEPTH
215+71 U.G. POWER X-ING - UNKNOWN DEPTH
215+71 U.G. POWER X-ING - UNKNOWN DEPTH
215+72 U.G. TV CABLE X-ING - UNKNOWN DEPTH

T. 2 S., R. 20 E.

212+00

214+00

216+00

MONTANA SILVERSMITHS

PI =213+91.78
Δ =7° 24' 07" (LT)
R =60'
T =3.88'
L =7.75'
E =0.13'

PI =214+03.45
Δ =14° 48' 14" (RT)
R =60'
T =7.79'
L =15.50'
E =0.50'

PI =214+15.04
Δ =7° 24' 07" (LT)
R =60'
T =3.88'
L =7.75'
E =0.13'

PI =215+46.67
Δ =7° 24' 07" (LT)
R =60'
T =3.88'
L =7.75'
E =0.13'

PI =215+54.42
Δ =7° 24' 07" (RT)
R =60'
T =3.88'
L =7.75'
E =0.13'

PI =216+31.84
Δ =7° 24' 07" (RT)
R =60'
T =3.88'
L =7.75'
E =0.13'

PI =216+39.59
Δ =7° 24' 07" (LT)
R =60'
T =3.88'
L =7.75'
E =0.13'

EX. R/W
HA-2
HA-3A
60'
S PRATTEN STREET (HIGHWAY 78)
(PED)-PC 213+87.90
(PED)-PRC 213+95.65
(PED)-PRC 214+11.16
(PED)-PT 214+18.91
(PED)-PC 215+42.79
(PED)-PRC 215+50.54
(PED)-PT 215+58.29
(PED)-PC 216+27.96
(PED)-PRC 216+35.71
(PED)-PT 216+43.46
(PED)-PC 216+96.83
N 0° 26' 35" W
THIRD AVENUE S
PALLADIUM PLACE
20'

UTILITY CROSSINGS
215+73 U.G. POWER X-ING - UNKNOWN DEPTH
215+74 U.G. TV CABLE X-ING - UNKNOWN DEPTH
215+74 U.G. POWER X-ING - UNKNOWN DEPTH
215+75 U.G. TELEPHONE X-ING - UNKNOWN DEPTH
215+76 U.G. TV CABLE X-ING - UNKNOWN DEPTH
215+77 U.G. TV CABLE X-ING - UNKNOWN DEPTH
216+07 UNK. SIZE SAN. SEWER X-ING - UNKNOWN DEPTH
216+71 U.G. TELEPHONE X-ING - UNKNOWN DEPTH

NEW 5' CONC. SIDEWALK INCL. 1-CONC. ADA RAMP AND 1-SIDEWALK DRAIN

211+53 PUBLIC APP. (THIRD AVENUE S)

NEW 5' CONC. SIDEWALK INCL. 2-CONC. ADA RAMPS

215+00 PUBLIC APP. (PALLADIUM PLACE)

NEW 5' CONC. SIDEWALK INCL. 3-CONC. ADA RAMPS AND 2-DRIVEWAYS

216+64 PRIVATE APP. JOINT USE 40.0' TOP WIDTH

3580
3570

211+12.26 EL.3,577.00
-1.467%
211+26.55 EL.3,576.74
+5.000%
211+83.57 EL.3,577.02
211+88.57 EL.3,577.27
+0.833%
212+75.00 EL.3,577.99
150' VC
-0.200%
214+05.00 EL.3,577.73
25' VC
+0.980%
214+56.00 EL.3,578.23
-3.245%
214+64.32 EL.3,577.96
10' VC
+5.000%
215+16.93 EL.3,578.08
215+21.93 EL.3,578.33
+1.287%
50' VC
216+75.00 EL.3,580.30
+2.073%

211+00 212+00 213+00 214+00 215+00 216+00 217+00

SANDERSON STEWART

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLSS1.DGN	DESIGNED BY	ROAD PLANS		HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY	STILLWATER COUNTY		UPN 9449000	SHEET 29
		11:21:22 AM kedam	CHECKED BY				

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SEGMENT B

UTILITY CROSSINGS
217+37 O.H. POWER X-ING - UNKNOWN CLR
218+46 GAS X-ING - UNKNOWN DEPTH

218+00

(PED) PT 217+03.06

PI =216+99.97
Δ =17° 49' 50" (RT)
R =20'
T =3.14'
L =6.22'
E =0.24'

(PED) POE 219+22.62

S PRATTEN STREET (HIGHWAY 78)

1ST AVENUE S

CLOUGH AVENUE S

T. 2 S.
R. 20 E.

EX. R/W

20'

70'

80'

N 17° 23' 15" E

216+96.83
BEG. CONST. PMT.
BEG. ACQUISITION RT.

217+03.06
CONST. PMT.

217+40.00
END CONST. PMT.
END ACQUISITION RT.

218+12
PRIVATE APP.
18.0' TOP WIDTH

218+63
PUBLIC APP.
(1ST AVENUE S)

NEW 5' CONC. SIDEWALK
INCL. 3-CONC. ADA RAMPS
AND 2-DRIVEWAYS

NEW 5' CONC. SIDEWALK
INCL. 2-CONC. ADA RAMPS LT.

NEW 5' CONC. SIDEWALK
INCL. 1-CONC. ADA RAMP LT.

+44.77
+33.28
+44.80
+78.64
+96.56

POT 218+44.77
END SEGMENT B TA 48(55)

217+30.00
EL.3,581.44

218+36.24
EL.3,581.34
3,581.28

+2.073%
-0.094%
-0.715%
50' VC

NEW LAYDOWN CONC.
CURB & GUTTER LT.

NEW SPECIAL
DESIGN
CURB RT.

+03.06
+30.97

3580
3570

217+00
218+00
219+00
220+00

SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLN.dgn	DESIGNED BY	ROAD PLANS		HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
2		1/13/2022	REVIEWED BY				
		11:21:23 AM kedam	CHECKED BY	STILLWATER COUNTY		UPN 9449000	SHEET 30

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SEGMENT C

PIKE AVENUE

300+00

302+00

T. 2 S., R. 20 E.

UTILITY CROSSINGS

301+56 U.G. FIBER OPTIC X-ING - UNKNOWN DEPTH
301+64 O.H. POWER X-ING - UNKNOWN CLR
301+67 O.H. POWER X-ING - UNKNOWN CLR
301+69 U.G. TELEPHONE X-ING - UNKNOWN DEPTH
301+73 GAS X-ING - UNKNOWN DEPTH
301+83 O.H. POWER X-ING - UNKNOWN CLR
302+00 U.G. TELEPHONE X-ING - UNKNOWN DEPTH
302+10 U.G. FIBER OPTIC X-ING - UNKNOWN DEPTH
302+35 O.H. POWER X-ING - UNKNOWN CLR
303+12 U.G. FIBER OPTIC X-ING - UNKNOWN DEPTH

(PED)-POB 300+00.00

N 17° 40' 46" E

(PED)-POE 303+60.00

PRATTEN STREET

PRATTEN STREET

1ST AVENUE N

301+76
PUBLIC APP.
20.1' TOP WIDTH

302+47
PRIVATE APP.
14.8' TOP WIDTH

302+91
PRIVATE APP.
19.9' TOP WIDTH

POT 301+61.63
BEGIN SEGMENT C TA 48(55)

POT 303+06.32
END SEGMENT C TA 48(55)

+61.63 NEW CONC. SIDEWALK +90.61

+34.97 NEW CONC. SIDEWALK +57.11

+76.95 NEW CONC. SIDEWALK +06.32

NOTE:
SEE APPROACH DETAILS
FOR GRADING INFORMATION

3585

3575

300+00 301+00 302+00 303+00 304+00

SANDERSON STEWART

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLNSHT.dwg	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 31
		11:21:24 AM kedam	CHECKED BY				

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SEGMENT D

UTILITY CROSSINGS

350+59	U.G. FIBER OPTIC X-ING – UNKNOWN DEPTH
350+64	U.G. TELEPHONE X-ING – UNKNOWN DEPTH
350+68	U.G. TELEPHONE X-ING – UNKNOWN DEPTH
350+96	UNK. SIZE SAN. SEWER X-ING – UNKNOWN DEPTH
350+98	O.H. POWER X-ING – UNKNOWN CLR
351+24	O.H. POWER X-ING – UNKNOWN CLR
351+96	UNK. SIZE WATER X-ING – UNKNOWN DEPTH
352+45	UNK. SIZE WATER X-ING – UNKNOWN DEPTH
352+49	UNK. SIZE WATER X-ING – UNKNOWN DEPTH
352+98	UNK. SIZE WATER X-ING – UNKNOWN DEPTH
353+77	UNK. SIZE WATER X-ING – UNKNOWN DEPTH
354+48	O.H. POWER X-ING – UNKNOWN CLR
354+57	UNK. SIZE WATER X-ING – UNKNOWN DEPTH
354+61	UNK. SIZE GAS X-ING – UNKNOWN DEPTH

350+00

352+00

354+00

80'

EX. R/W

PRATTEN STREET

DIAMOND STREET

T. 2 S. R. 20 E.

(PED)-POB 350+00.00

S 72° 34' 52" E

DO NOT DISTURB EXISTING CURB STOPS

1ST AVENUE N

351+64
PRIVATE SIDEWALK CONNECTION

352+57
PRIVATE SIDEWALK CONNECTION

352+70
PRIVATE APP.
22.0' TOP WIDTH

354+76
PUBLIC APP.
(DIAMOND STREET)

POT 351+40.21
BEGIN SEGMENT D TA 48(55)

352+83.97 TO 354+47.13
EXISTING SIDEWALK IN GOOD CONDITION
DO NOT DISTURB

351+40.21
EL.3,584.07

352+83.97
EL.3,583.85

-0.153%

+40.21

+83.97

NEW 5' CONC. SIDEWALK
INCL. 1-SIDEWALK CONNECTION
AND 1-DRIVEWAY

+47.13

+53.37

NEW 5' CONC. SIDEWALK
INCL. 1-CONC. ADA RAMP

3585

3575

350+00 351+00 352+00 353+00 354+00 355+00

SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLD25.DGN	DESIGNED BY	ROAD PLANS		HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
2		1/13/2022	REVIEWED BY				
		11:21:25 AM kedam	CHECKED BY	STILLWATER COUNTY		UPN 9449000	SHEET 32

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SEGMENT D

UTILITY CROSSINGS

355+81 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
356+42 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
356+92 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
357+26 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
359+55 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
359+94 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
360+12 UNK. SIZE WATER X-ING - UNKNOWN DEPTH

356+00 358+00 360+00

80' EX. R/W EX. R/W EX. R/W EX. R/W

ALLEN STREET

T. 2 S., R. 20 E.

S 72° 34' 52" E

STM STM STM

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SEGMENT D

UTILITY CROSSINGS
361+04 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
361+48 UNK. SIZE WATER X-ING - UNKNOWN DEPTH

362+00

EX. R/W

(PED)-POE 362+00.00

EX. R/W

S 72° 34' 52" E

80'

NINTH STREET (HIGHWAY 78)

T. 2 S. R. 20 E.

361+72
PRIVATE SIDEWALK CONNECTION

POT 361+97.50
END SEGMENT D TA 48(55)

361+97.50

EL.3,581.16

-0.059%

NEW 5' CONC. SIDEWALK
INCL. 2-SIDEWALK CONNECTIONS

+97.50

3585

3575

361+00

362+00

SANDERSON STEWART

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLN01.DGN	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 34
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SEGMENT E

UTILITY CROSSINGS
410+99 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
413+23 UNK. SIZE WATER X-ING - UNKNOWN DEPTH

410+00
412+00
414+00

T. 2 S., R. 20 E.

(PED)-POB 410+00.00

80'

1ST AVENUE N

N 17° 26' 35" E

EX. R/W
20'

STM
PWR
W

NINTH STREET (HIGHWAY 78)

ALTANA FEDERAL CREDIT UNION

UNITED BANK

412+32
PRIVATE SIDEWALK CONNECTION

412+93
PUBLIC APP.
26.6' TOP WIDTH

POT 411+49.19
BEGIN SEGMENT E TA 48(55)

413+11.81 TO 414+05.60
EXISTING SIDEWALK IN GOOD CONDITION
DO NOT DISTURB

3,581.16
413+11.81
EL.3,581.91
+0.461%

+49.19
+11.81
NEW 5' CONC. SIDEWALK
INCL. 1-SIDEWALK CONNECTION
AND 1-DRIVEWAY

3580
3570

410+00 411+00 412+00 413+00 414+00

SANDERSON STEWART

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLS01.DGN	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY				
		11:21:28 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 35

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SEGMENT E

414+00 416+00 418+00 420+00

UTILITY CROSSINGS
414+18 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
414+85 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
415+60 O.H. POWER X-ING - UNKNOWN CLR
416+46 U.G. TELEPHONE X-ING - UNKNOWN DEPTH
416+58 GAS X-ING - UNKNOWN DEPTH
416+97 UNK. SIZE WATER X-ING - UNKNOWN DEPTH
417+18 O.H. POWER X-ING - UNKNOWN CLR

T. 2 S., R. 20 E.

60' 20' 80'

EX. R/W

SECOND AVENUE N

THIRD AVENUE N

STILLWATER LUMBER

N 17° 26' 35" E

NINTH STREET (HIGHWAY 78)

COOPER TIRES

418+27 12" CSP DO NOT DISTURB

418+73 12" CSP DO NOT DISTURB

414+79 PUBLIC APP. (SECOND AVENUE N)

415+48 PRIVATE APP. 12.9' TOP WIDTH

416+54 PUBLIC APP. 20.1' TOP WIDTH

417+23 PRIVATE APP. 19.9' TOP WIDTH

418+50 PUBLIC APP. (THIRD AVENUE N)

419+54 PRIVATE APP. 15.9' TOP WIDTH

+63.96 +64.01 +94.84 +94.90 NEW CONC. CURB & GUTTER LT.

+34.63 +34.65 +64.41 +64.53 NEW CONC. CURB & GUTTER LT.

414+54.58 EL.3,581.83 -5.475%

415+04.29 EL.3,581.91 +4.874%

418+25.07 EL.3,582.79 -5.876%

418+73.97 EL.3,582.65 +4.137%

+0.150% +0.276% +0.413%

414+05.60 EL.3,581.76

414+63.96 EL.3,581.32

414+94.89 EL.3,581.45

418+34.64 EL.3,582.23

418+64.53 EL.3,582.26

+27 +73

3580 3580

+05.60 NEW 5' CONC. SIDEWALK INCL 1-CONC. ADA RAMP +63.96

+94.90 NEW 5' CONC. SIDEWALK INCL 2-CONC. ADA RAMPS, AND 3-DRIVEWAYS +34.63

+64.53 NEW 5' CONC. SIDEWALK INCL 2-CONC. ADA RAMPS, AND 4-DRIVEWAYS

+60.91 +63.96 +94.90 +98.58 NEW CONC. CURB & GUTTER RT.

+31.13 +34.63 +64.53 +67.84 NEW CONC. CURB & GUTTER RT.

3570 3570

414+00 415+00 416+00 417+00 418+00 419+00 420+00

SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLN_DESIGNED BY			ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
2		1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 36
		11:21:29 AM kedam	CHECKED BY				

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SEGMENT E

420+00

422+00

424+00

T. 2 S. R. 20 E.

UTILITY CROSSINGS
420+19 GAS X-ING - UNKNOWN DEPTH

MONITORING WELL - ADJ. TO GRADE
420+59.54 8.8' LT.

EX. R/W

80'

20'

APPROACH DESIGNS TO BE COORDINATED WITH SPORTS HUT SITE REDEVELOPMENT

ADJUST MONITORING WELL

RELOCATE SIGN (BY OTHERS)

FOURTH AVENUE N

WETLAND 2

(PED)-PC 423+40.21

PI =427+78.17
Δ =53° 58' 31" (LT)
R =860'
T =437.96'
L =810.16'
E =105.09'

HA-6

N 17° 26' 35" E

170'

NINTH STREET (HIGHWAY 78)

CAS

STM

PWR

TEL

422+57
36" RCP
DO NOT DISTURB

420+27
PUBLIC APP.
19.8' TOP WIDTH

420+75
PRIVATE APP.
31.8' TOP WIDTH

421+68
PRIVATE APP.
22.6' TOP WIDTH

422+27
PUBLIC APP.
(FOURTH AVENUE N)

3590

3580

3574

+07.98
+08.10
+42.20
+44.34

NEW CONC. CURB & GUTTER LT.

421+98.41
EL.3,583.99

422+58.43
EL.3,584.06

+0.413%

-2.821%

+1.892%

+0.549%

100' VC

425+45.00
EL.3,585.63

422+07.98
EL.3,583.72

422+44.34
EL.3,583.79

NEW 5' CONC. SIDEWALK
INCL 2-CONC. ADA RAMPS,
AND 4-DRIVEWAYS

+07.98

+44.34
+48.71

NEW 8' CONC. SIDEWALK
INCL. 1-CONC. ADA RAMP

+57

NEW 8' ASPHALT PATH

+02.11
+07.98
+44.34
+49.43

NEW CONC. CURB & GUTTER RT.

420+00 421+00 422+00 423+00 424+00 425+00 426+00

SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLN25.DGN	DESIGNED BY	ROAD PLANS		HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY	STILLWATER COUNTY		UPN 9449000	SHEET 37
		11:21:30 AM kedam	CHECKED BY				

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SEGMENT E

426+00 428+00 430+00 432+00

T. 2 S., R. 20 E.

EX. R/W

EX. R/W

(PED)-PT 431+50.37

N 36° 31' 56" W

PI =427+78.17
Δ =53° 58' 31" (LT)
R =860'
T =437.96'
L =810.16'
E =105.09'

426+83
NEW 24" RCP APP. PIPE LT.

426+83
12" CSP APP. PIPE IN PL. 42.0' LT.
REMOVE

426+83
24" CSP APP. PIPE IN PL. 6.2' LT.
REMOVE

430+53
24" CSP APP. PIPE IN PL. LT.
DO NOT DISTURB

NINTH STREET (HIGHWAY 78)

426+83
FARM FIELD APP.
24.0' TOP WIDTH

430+42
PRIVATE APP.
40.0' TOP WIDTH

3600
3590
3584

426+71.21
EL.3,589.61
+1.806%
426+96.68
EL.3,590.07
-0.669%
50' VC
427+55.00
EL.3,589.68
+2.183%
100' VC
429+30.00
EL.3,593.50
+3.225%
430+20.54
EL.3,596.42
+2.931%
430+62.51
EL.3,597.65
-0.311%
100' VC
431+75.00
EL.3,597.30
+3.153%

NEW 8' ASPHALT PATH

426+00 427+00 428+00 429+00 430+00 431+00 432+00

SANDERSON STEWART

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLSHT.dgn	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY				
		11:21:31 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 38

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SEGMENT E

UTILITY CROSSINGS
436+14 GAS X-ING - UNKNOWN DEPTH
436+23 U.G. CABLE TV X-ING - UNKNOWN DEPTH

T. 2 S. R. 20 E.

EX. R/W

N 36° 31' 56" W

NINTH STREET (HIGHWAY 78)

DIAMOND STREET

(PED)-PC 436+58.45

EX. EASE.

PI =437+33.16
Δ =9° 55' 49" (RT)
R =860'
T =74.71'
L =149.05'
E =3.24'

432+83
18" CSP APP. PIPE IN PL. LT.
DO NOT DISTURB

435+75
24" RCP
DO NOT DISTURB

432+83
PRIVATE APP.
30.0' TOP WIDTH

436+28
PUBLIC APP.
(DIAMOND STREET)

432+69.33	EL.3,601.10
432+97.91	EL.3,601.34
433+55.00	EL.3,601.22
435+35.00	EL.3,604.50
436+05.67	EL.3,607.51
436+46.66	EL.3,608.24
436+72.50	EL.3,607.25
437+35.00	EL.3,609.06

+4.028%
+0.840%
-0.210%
+1.822%
+4.259%
+1.781%
-3.831%
+2.896%
-1.021%

100' VC
100' VC
50' VC
75' VC

+75

NEW 8' ASPHALT PATH
NEW 8' CONC. SIDEWALK INCL. 1-CONC. ADA RAMP
+01.85
+05.31
+47.34
+50.57
NEW 8' CONC. SIDEWALK INCL. 1-CONC. ADA RAMP
NEW 8' ASPHALT PATH

3610
3600
3596

432+00 433+00 434+00 435+00 436+00 437+00 438+00

SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPL.dgn	DESIGNED BY	ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
2		1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 39
		11:21:32 AM kedam	CHECKED BY			

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SEGMENT E

438+00

438+60.00 R/W
EX. EASE. = R/W
BEG. ACQUISITION
FOR SEGMENT E

439+C

(PED)-PT 439+22.79 R/W 20.00'

PI =439+11.46
Δ =84° 25' 35" (RT)
R =20'
T =18.14'
L =29.47'
E =7.00'

440+00

UTILITY CROSSINGS
438+51 GAS X-ING - UNKNOWN DEPTH
438+62 U.G. TELEPHONE X-ING - UNKNOWN DEPTH

440+85.00 R/W 20.00'

440+85.00 R/W
R/W =EX. EASE.
END ACQUISITION
FOR SEGMENT E

(PED)-PRC 438+93.32

EX. EASE.

(PED)-PRC 438+07.50

GRANITE PEAK PARK

N 12° 25' 01" W

(PED)-POE 441+75.54

T. 2 S., R. 20 E.

PI =438+56.73
Δ =70° 14' 29" (LT)
R =70'
T =49.23'
L =85.82'
E =15.58'

TEL
GAS
PWR

NINTH STREET (HIGHWAY 78)

HA-5

EX. EASE.

438+80
NEW 18" RCP
SKEW 16.3° LT.

439+10
PATH CONNECTION
SEE DETAILS

POT 440+76.02
END SEGMENT E TA 48(55)

3610

3600

3,608.09

-1.021%

100' VC

+1.465%

+80

439+75.00
EL.3,606.61

NEW 8' ASPHALT PATH

+76.02

438+00 439+00 440+00 441+00 442+00 443+00 444+00

SANDERSON STEWART

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDPLD01.dgn	DESIGNED BY		ROAD PLANS	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
1		1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 40
		11:21:32 AM kedam	CHECKED BY				

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TOTAL SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTALS	UNIT
SIGNS-ALUM REFL SHEET IV	**25.8**	SQFT
SIGNS-ALUM REFL SHEET XI	**90.2**	SQFT
RESET SIGNS	**3**	EACH
REMOVE SIGN	**13**	EACH
REMOVE SIGN-GUIDE	**1**	EACH
POSTS-TUBULAR STEEL	**41**	LB
POLES-TREATED WOOD 4 IN	**128**	LNFT
POLES-TREATED WOOD 5 IN	**76**	LNFT

SANDERSON STEWART

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SIGN LOCATION AND SPECIFICATION

Lt.	STATION / M.P.	Rt.	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG BACK- GRND	REFL SHTG LEGEND	FEET CLEARANCE	FEET SIGN SUPPORT SPACING	TYPE OF SUPPORT	CANTILEVER	FEET SUPPORT LENGTH (ESTIMATED)	FEET SUPPORT LENGTH (INSTALLED)	FEET MOUNTING HEIGHT	FEET FOUNDATION DEPTH	SIGN PANEL (SQ. FT.) SHEET ALUMINUM IV	ALUM. SHEET INCREMENT IV	SHEET ALUMINUM XI	ALUM. SHEET INCREMENT XI	ALUMINUM SHT OVERLAY	TIMBER POLE (LINEAR FT.) 4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	STEEL POST (LBS.) ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	BREAKAWAY	SIGNS REMOVE	SIGNS RESET	GUIDE REMOVE	GUIDE RESET			Solar Panels	Radar Sensors	48" Support Strip	60" Support Strip	REMARKS
SEGMENT A (E PIKE AVE)																																						
	105+13			R2-1	2-0 X 2-6	XI		16-0		4 IN DIA POLE		12-5		5-0	3-0			5.0			14								1									SPEED LIMIT 35
Lt.	105+57			N7-1	RESET																																	
				N7-1P	RESET			16-0						5-0	3-0															1								MANDEVILLE AGENCY INC
	105+71			D3-1	USE AS IS																																	E PIKE AVE
Lt.				D3-1	USE AS IS																																	2ND ST N
				R1-1	USE AS IS																																	
	106+63																																					
Lt.				R7-1	REMOVE																									1								
SEGMENT B (HIGHWAY 78)																																						
	OFF CHAIN			W1-8L	USE AS IS																																	
		Rt.		W1-8R	USE AS IS																																	
	OFF CHAIN			W1-8L	USE AS IS																																	
		Rt.		W1-8R	USE AS IS																																	
	OFF CHAIN			W1-8L	USE AS IS																																	
		Rt.		W1-8R	USE AS IS																																	
	OFF CHAIN			CITY-1	USE AS IS																																	ACCESS
		Rt.		CITY-1	USE AS IS																																	ACCESS
	201+03									4 IN DIA																												
		Rt.		R1-1	3-0X3-0	XI	XI	2-0		POLE		13-6		7-0	3-0			7.5			14								1									
	201+62																																					
		Rt.		W1-8R	RESET			2-0						5-0	3-0															1								
	202+89			D9-3A	USE AS IS																																	
Lt.				D9-3P	USE AS IS																																	
	205+38			N6-1	5-0X2-0	IV	IV									10.0																					ENTERING COLUMBUS
Lt.				D9-2	2-0X2-0	XI	XI											4.0																			
				M6-3A	2-0X1-0	XI	XI			5 IN DIA		X=15-11						2.0											X									
								2-0	3-0	POLE		Y=17-8		8-7	3-0							34									1							
	205+47			W1-2	USE AS IS																																	
Lt.				W13-1	USE AS IS																																	
	208+57			R7-1X	1-0X1-6	XI				4 IN DIA								1.5																				
		Rt.		R7-201a	1-0X0-6	XI	XI	9-0		POLE		10-9		5-0	3-0			0.5			12								1								
	209+97									4 IN DIA																												
		Rt.		R2-1	2-0 X 2-6	XI		6-0		POLE		11-6		5-0	3-0			5.0			12								1								SPEED LIMIT 35
	210+99			W11-2	REMOVE																																	
		Rt.		W16-9P	REMOVE																									1								
	211+91			(2) D3-1	USE AS IS																																	PRATTEN ST
		Rt.		(2) D3-1	USE AS IS																																	THIRD AVE S
				R1-1	USE AS IS																																	
	212+14									2"																												
		Rt.		R7-1	1-0 X 1-6	XI		6-0		Sq. TUBE		8-0		5-0	3-0			1.5			12			41					1								
	213+39			W11-2	REMOVE																																	
		Rt.		W11-2P	REMOVE																									1								PED XING
	213+70			W11-2	2-6X2-6	XI				4 IN DIA								6.3																			FY
		Rt.		W16-9P	2-0x1-0	XI		7-0		POLE		12-8		5-0	3-0			2.0			14																FY
	213+83			W11-2	REMOVE																																	
Lt.				W11-2P	REMOVE																									1								PED XING
	215+16																																					
Lt.				R7-1	USE AS IS																																	
	217+41			I-5	2-0X2-0	XI	XI																															
		Rt.		I-5BR	2-0X0-6	XI	XI	10-0																															
	218+26			W11-2	2-6X2-6	XI				4 IN DIA								6.3																			FY
Lt.				W16-7PL	2-0X1-0	XI		13-0		POLE		11-9		5-0	3-0			2.0			12																FY
	218+26			W11-2	2-6X2-6	XI				4 IN DIA								6.3																			FY
		Rt.		W16-7PL	2-0X1-0	XI		10-0		POLE		11-9		5-0	3-0			2.0			12																FY
	218+36									4 IN DIA																												
Lt.				R1-1	3-0X3-0	XI	XI	2-0		POLE		13-0		7-0	3-0			7.5			14								1								

MOUNTING HEIGHT REQUIREMENTS: MOUNTING HEIGHTS SHOWN REFER TO THE BOTTOM OF THE MAJOR PANEL. SEE DETAILED DRAWINGS 619-00 & 619-08.

LT. AND RT. INDICATE THE SIGN LOCATION RELATIVE TO THE EXISTING ROADWAY CENTERLINE FOLLOWING THE SAME DIRECTION AS THE PATH ALIGNMENT STATIONING. ALL STATIONS ARE BASED ON THE PATH ALIGNMENT.

FYG = TYPE XI FLORESCENT YELLOW GREEN SHEETING

FY = TYPE XI FLORESCENT YELLOW SHEETING

X *STANDARD BREAKAWAY DEVICE: -FOR WOOD POST SEE DETAILED DRAWING 619-20.*

SANDERSON STEWART

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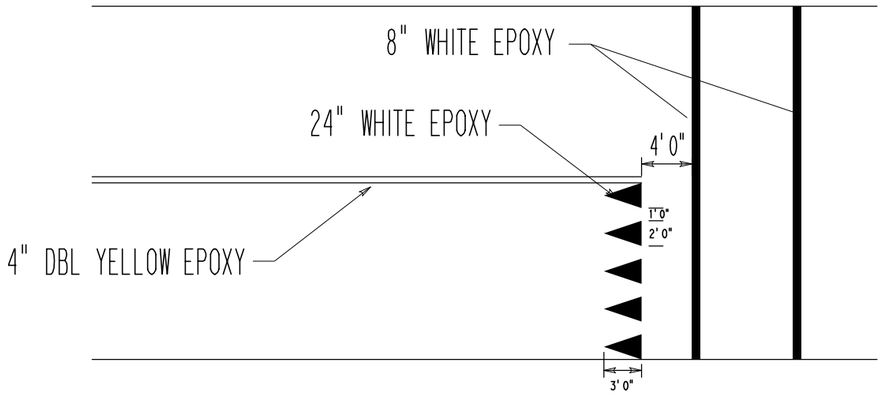
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SIGN LOCATION AND SPECIFICATION

Lt.	STATION / M.P.	Rt.	RAMP NO.	SIGN NO.	PANEL SIZE	REFL SHTG BACK- GRND	REFL SHTG LEGEND	FEET CLEARANCE	FEET SIGN SUPPORT SPACING	TYPE OF SUPPORT	CANTILEVER	FEET SUPPORT LENGTH (ESTIMATED)	FEET SUPPORT LENGTH (INSTALLED)	FEET MOUNTING HEIGHT	FEET FOUNDATION DEPTH	SIGN PANEL (SQ. FT.) SHEET ALUMINUM	ALUM. SHEET INCREMENT	SHEET ALUMINUM	ALUM. SHEET INCREMENT	ALUMINUM SHT OVERLAY	TIMBER POLE (LINEAR FT.) 4" TOP DIA.	5" TOP DIA.	6" TOP DIA.	STEEL POST (LBS.) ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL	"U" POST	BREAKAWAY	SIGNS REMOVE	SIGNS RESET	GUIDE REMOVE	GUIDE RESET			Solar Panels	Radar Sensors	48" Support Strip	60" Support Strip	REMARKS
	218+88			D3-1	USE AS IS																																	1ST AVE S
		Rt.		D3-1	USE AS IS																																	PRATTEN ST
				R1-1	USE AS IS																																	
	219+09			I-5	USE AS IS																																	
Lt.				I-5BR	USE AS IS																																	
	OFF CHAIN																																					SPEED LIMIT 35
Lt.				R2-1	USE AS IS																																	
	OFF CHAIN																																					@ WB CLOUGH AVENUE S
Lt.				R1-1	USE AS IS																																	
	OFF CHAIN			W11-2	2-6X2-6	XI				4 IN DIA								6.3																FY				INSTALL 5' NORTH OF POWER
Lt.				W16-9P	2-0x1-0	XI		6-0		POLE		11-9		5-0	3-0			2.0			12												FY				POLE @CHS PARKING LOT
SEGMENT C (PRATTEN ST)																																						
	300+34			(2) D3-1	USE AS IS																																	PRATTEN ST
Lt.				(2) D3-1	USE AS IS																																	E PIKE AVE
				R1-1	USE AS IS																																	
	303+37																																					
Lt.				R1-1	USE AS IS																																	
SEGMENT D (1ST AVE N)																																						
	351+46																																					
Lt.				R1-1	USE AS IS																																	
	355+17																																					
Lt.				R1-1	USE AS IS																																	
	358+84			D3-1	USE AS IS																																	E 1ST AVE N
Lt.				D3-1	USE AS IS																																	ALLEN ST
				R1-1	USE AS IS																																	
SEGMENT E (NINTH ST)																																						
	410+82																																					
Lt.				R1-1	USE AS IS																																	
	414+59			(2) D3-1	0-10X3-0	IV	IV									2.5																						NINTH ST N
Lt.				(2) D3-1	0-10X3-6	IV	IV									2.9																						SECOND AVE N
				R1-1	3-0X3-0	XI	XI			5 IN DIA								7.5											X									
								2-0		POLE		13-4		7-0	3-6							14								1									
	415+15																																					
Lt.				R7-201A	USE AS IS																																	NO PARKING DURING SNOW REMOVAL
	418+30			(2) D3-1	0-10X3-0	IV	IV									2.5																						NINTH ST N
Lt.				(2) D3-1	0-10X3-0	IV	IV									2.5																						THIRD AVE N
				R1-1	3-0X3-0	XI	XI			5 IN DIA								7.5											X									
								2-0		POLE		13-4		7-0	3-6							14								1									
	421+12																																					
Lt.				R2-1	USE AS IS																																	SPEED LIMIT 35
	422+03			(2)D3-1	0-10X3-0	IV	IV									2.5																						NINTH ST N
Lt.				(2) D3-1	0-10X3-6	IV	IV									2.9																						FOURTH AVE N
				R1-1	3-0X3-0	XI	XI			5 IN DIA								7.5											X									
								2-0		POLE		13-4		7-0	3-6							14								1									
	424+33																																					
Lt.				R7-201A	USE AS IS																																	
	436+00																																					
Lt.				R1-1	RESET			2-0						7-0	3-6																1								
	438+36			R7-1X	USE AS IS																																	
Lt.				R7-201a	USE AS IS																																	
	439+52																																					
Lt.				R2-1	USE AS IS																																	SPEED LIMIT 45
														TOTALS		**25.8**			**90.2**			**128**	**76**			**41**				**13**	**3**	**1**							

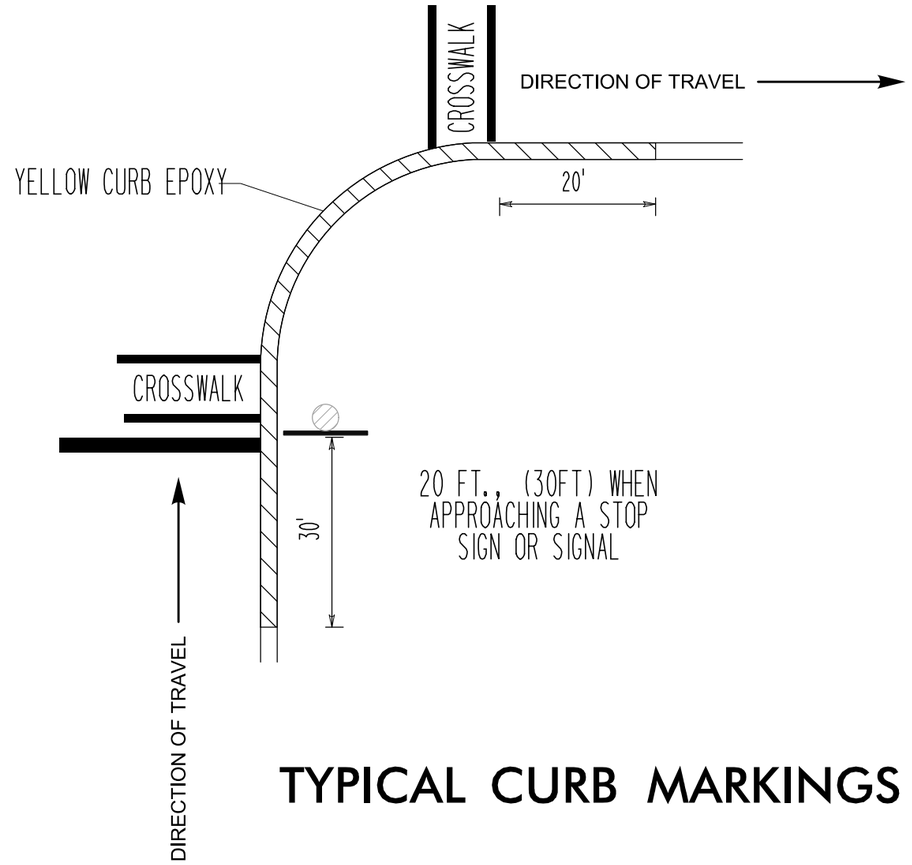
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CROSSWALK

PAVEMENT MARKINGS



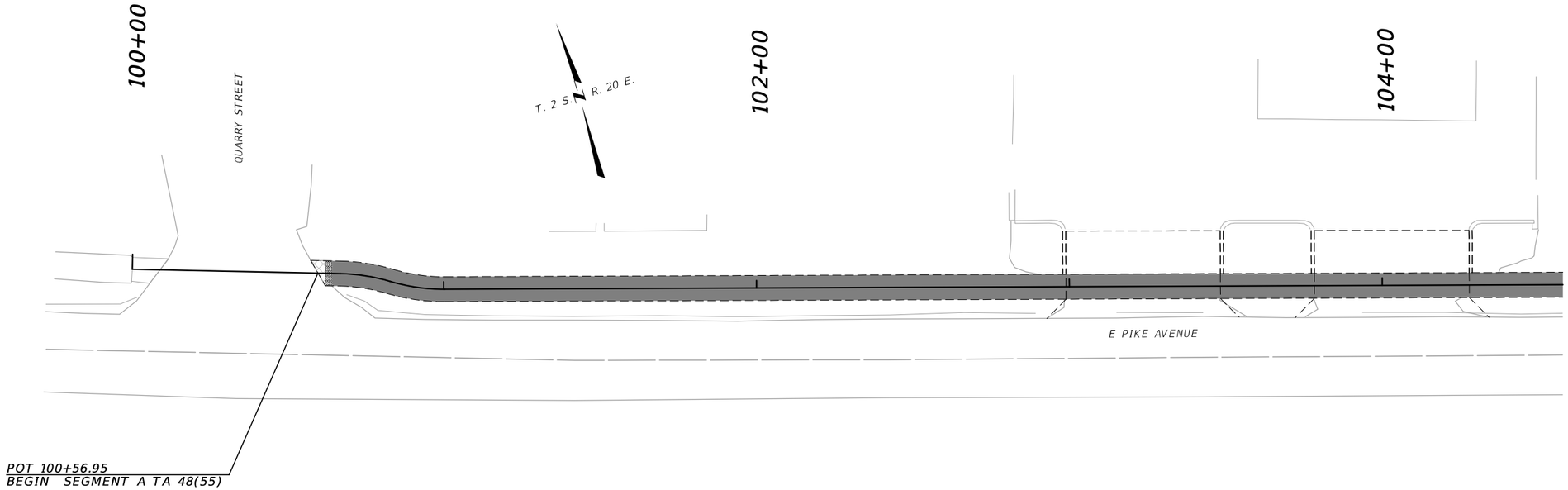
TYPICAL CURB MARKINGS

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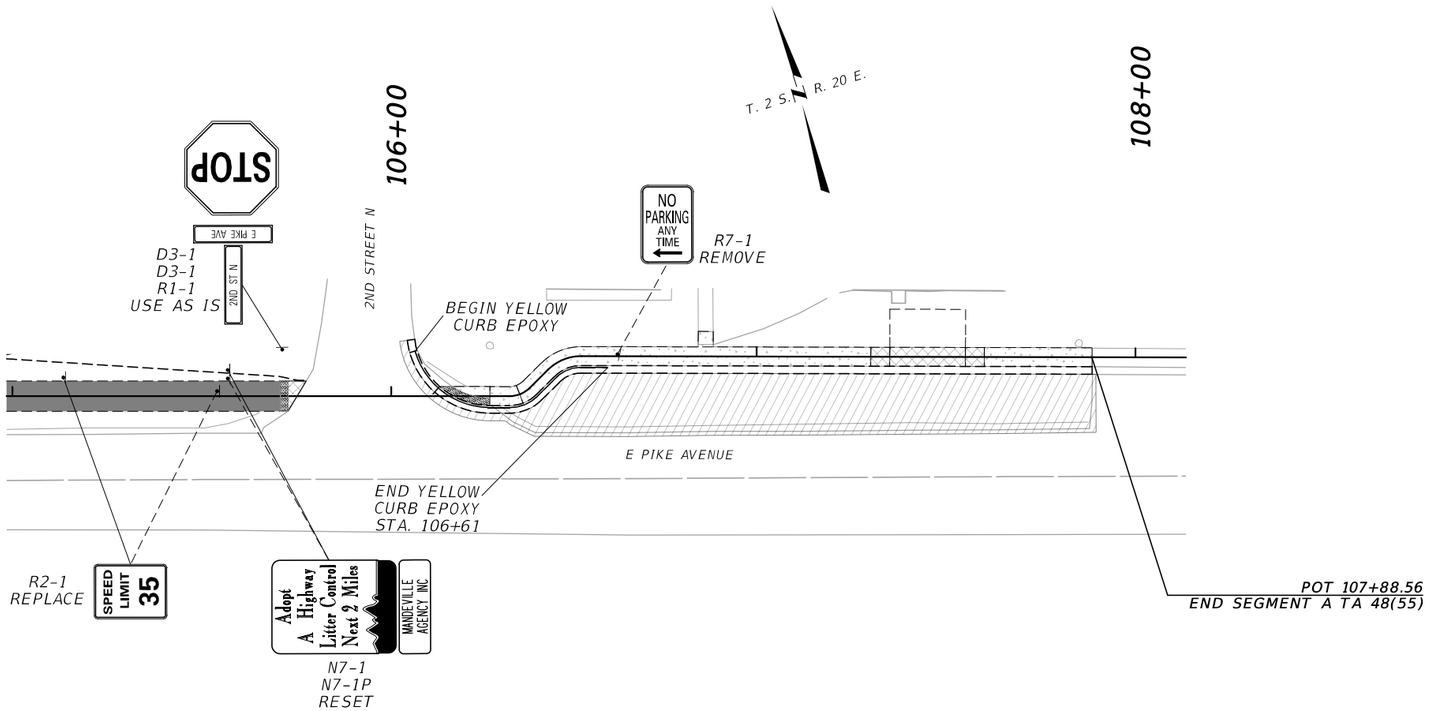
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SEGMENT A



SEGMENT A



LEGEND:

- NEW 6" SIDEWALK
- NEW PLANT MIX PATH FACILITY
- NEW 4" SIDEWALK FACILITY
- NEW PLANT MIX SURFACING

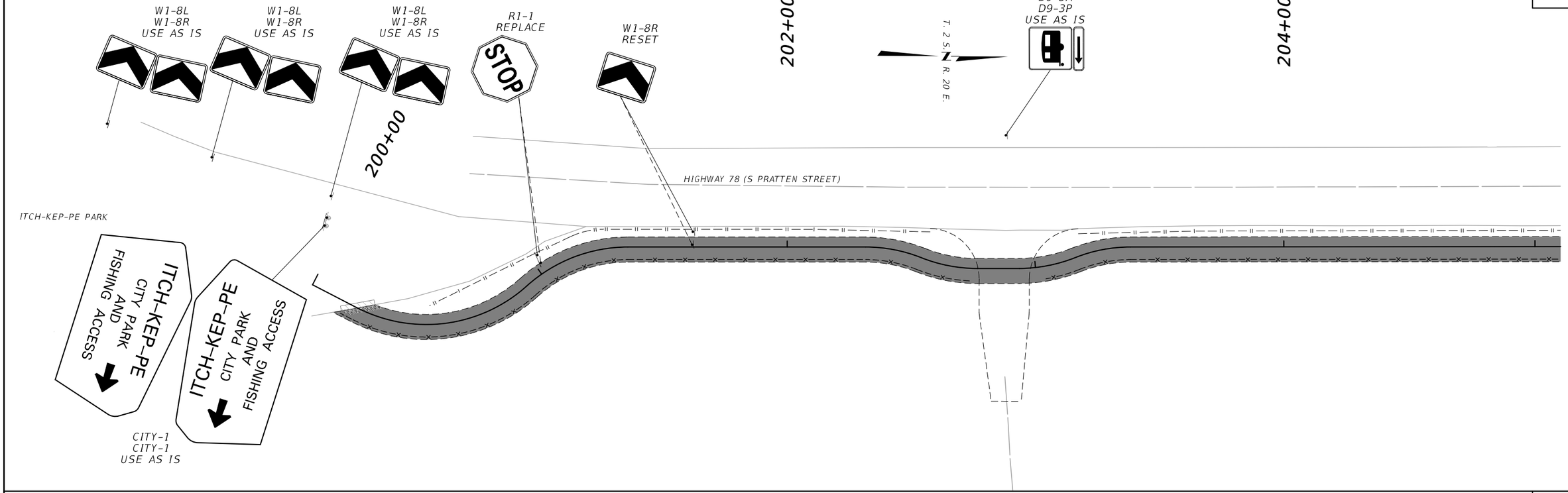
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2		12/21/2021	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	55
		9:51:42 AM kedam	CHECKED BY				

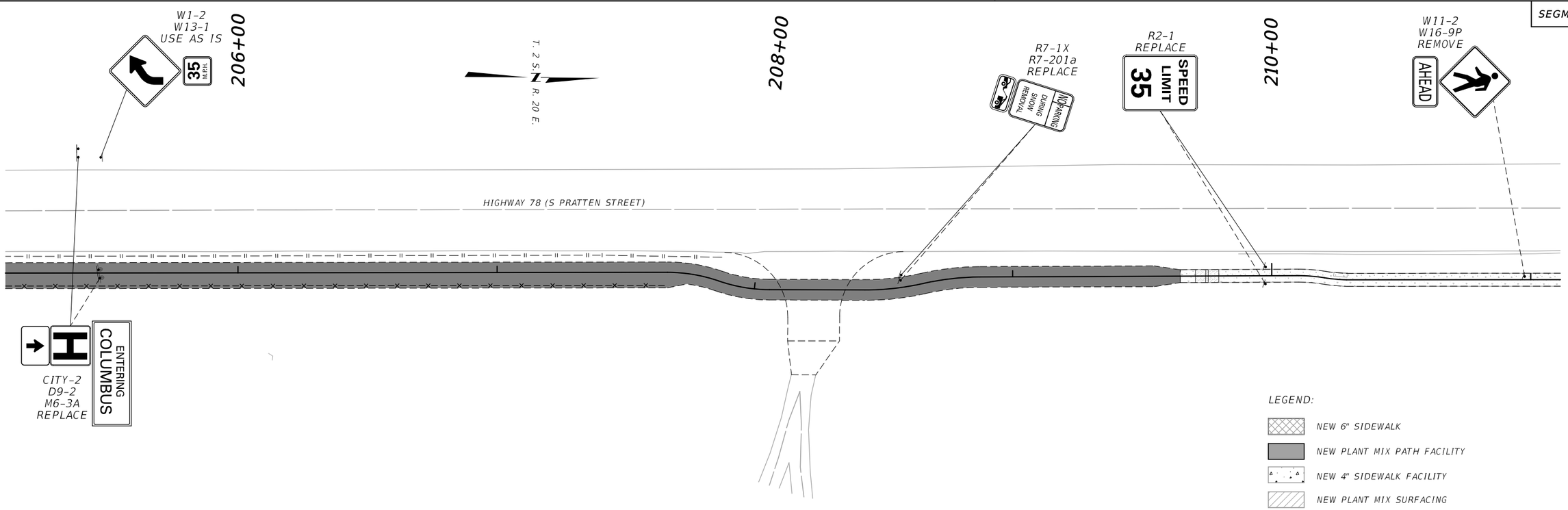
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SEGMENT B



SEGMENT B



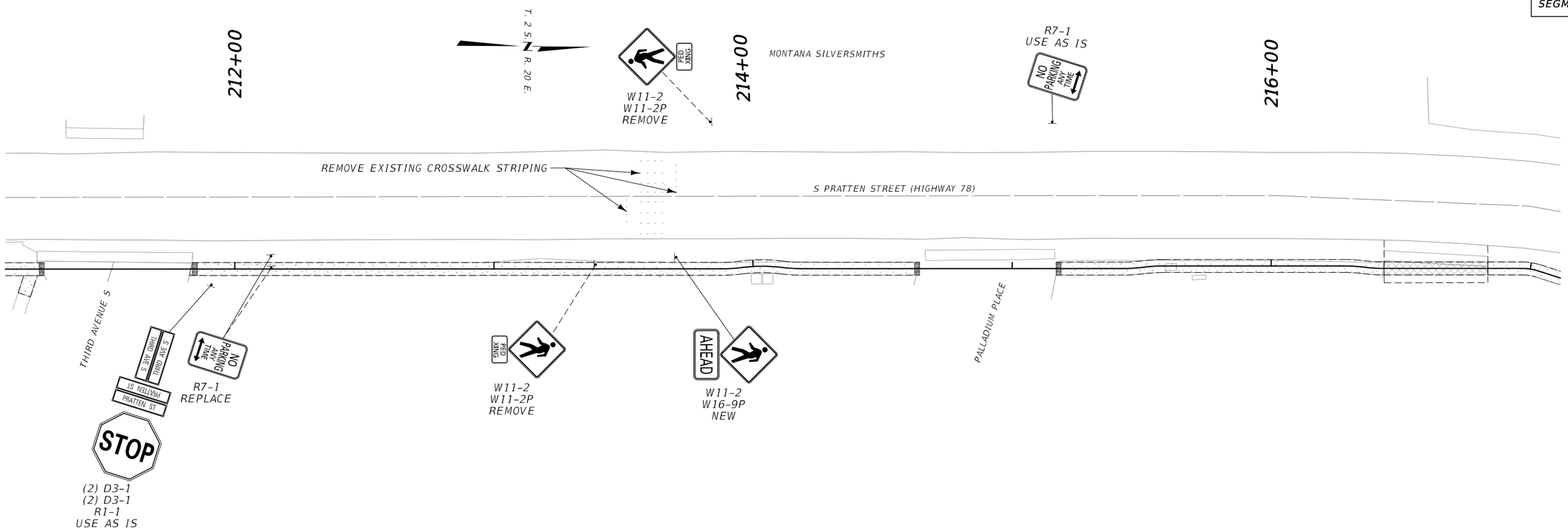
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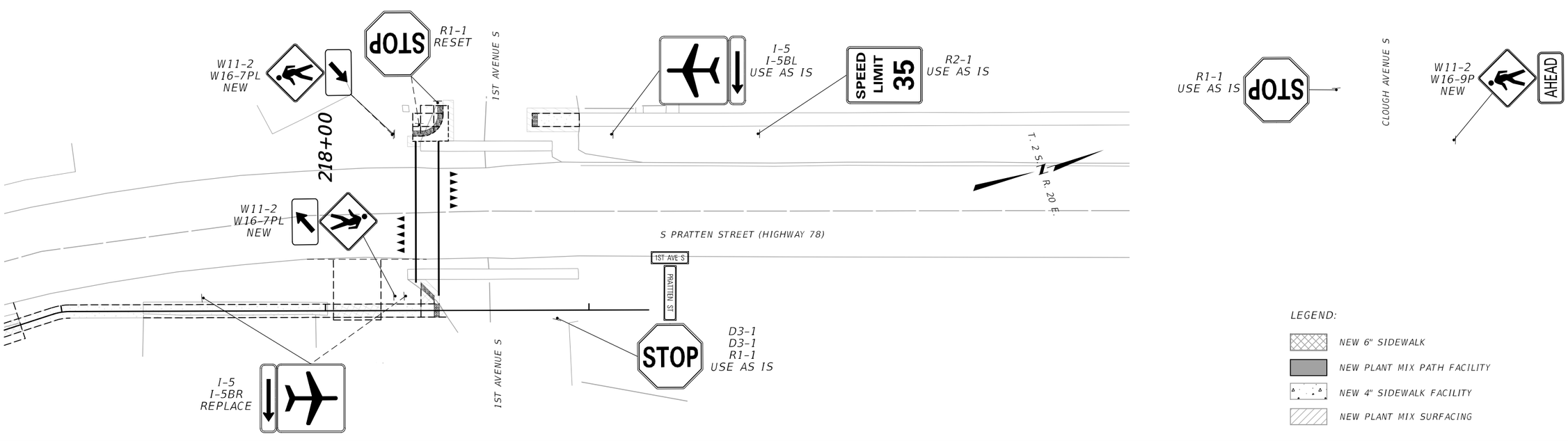
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SEGMENT B



SEGMENT B



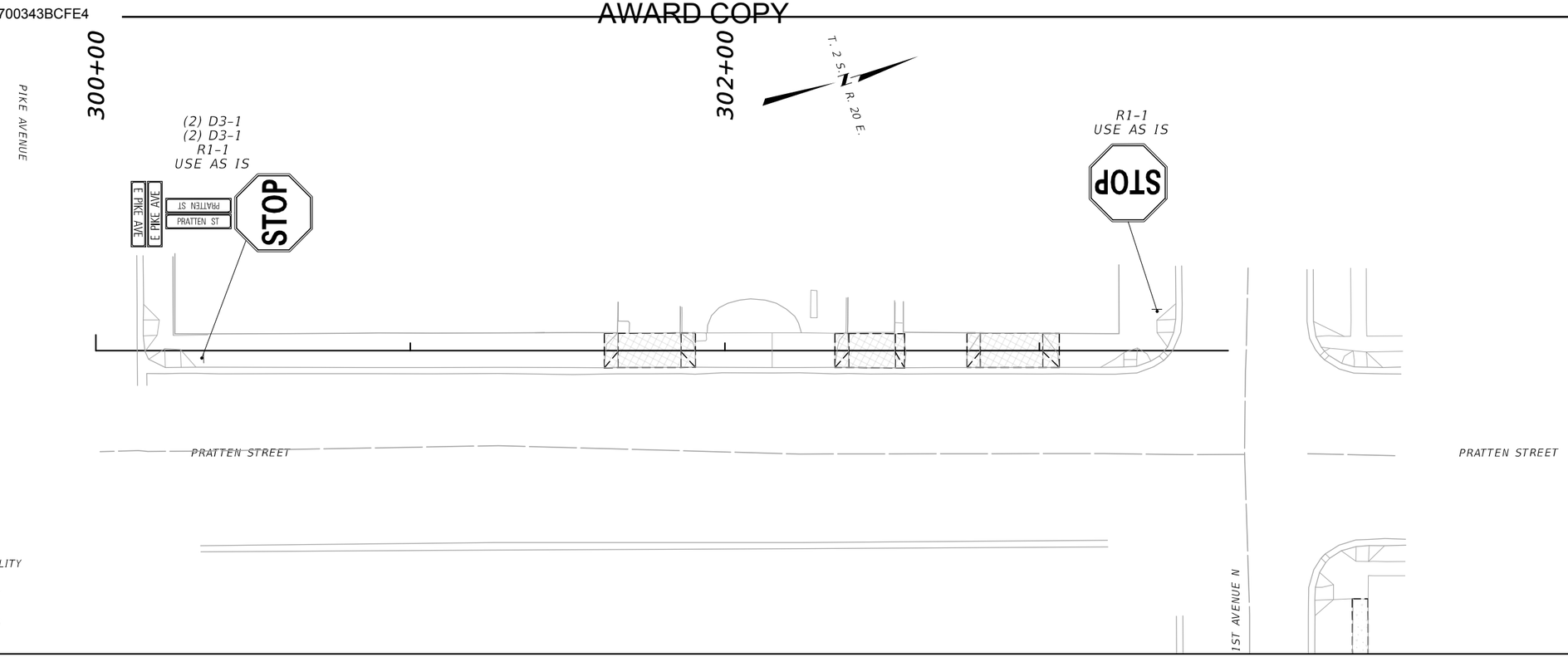
SANDERSON STEWART

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SEGMENT C

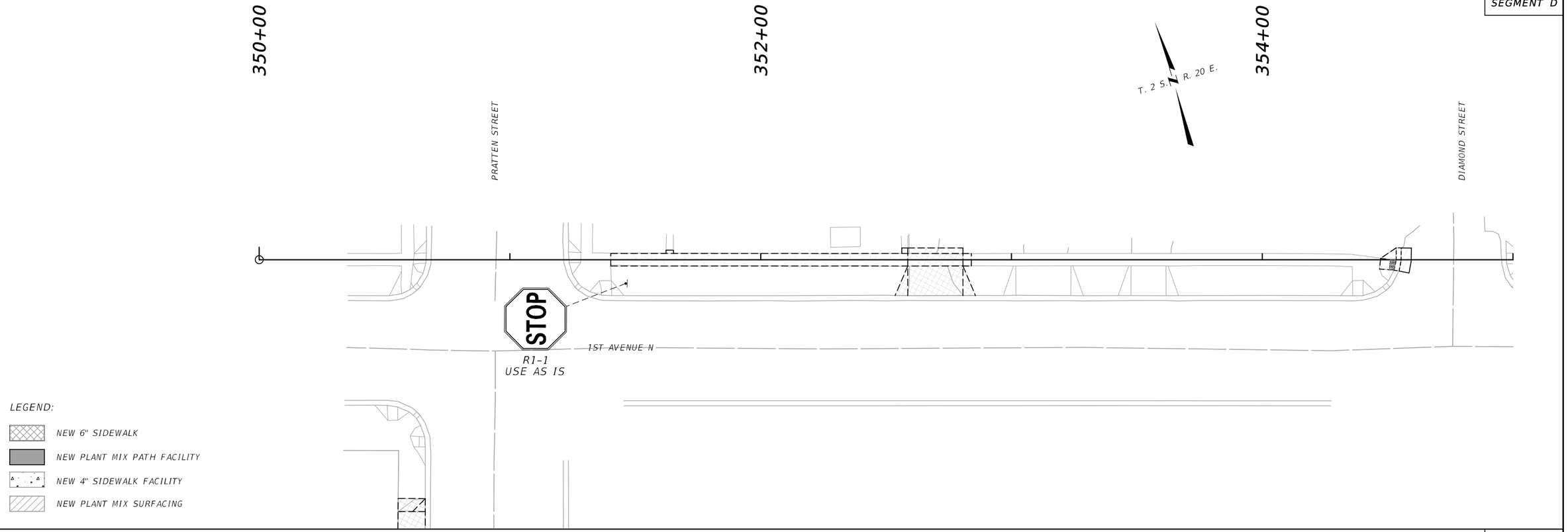


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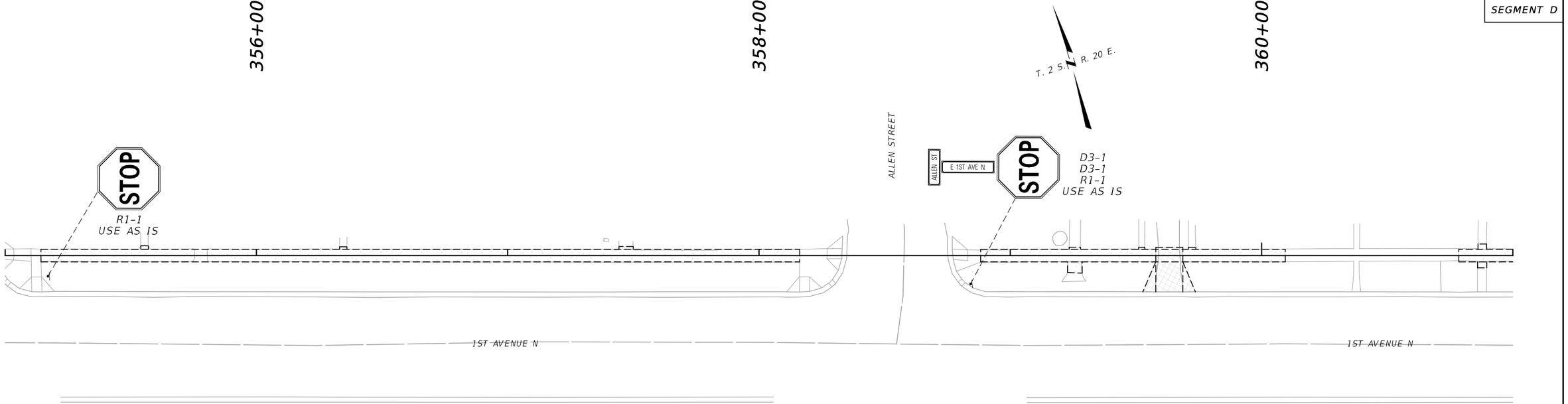
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SEGMENT D



SEGMENT D



SANDERSON STEWART

3 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\SI\9449000SIplnSht.dgn 12/21/2021 9:51:45 AM kedam	DESIGNED BY REVIEWED BY CHECKED BY		SIGNING PLANS STILLWATER COUNTY		HWY 78 PATH & WALKS – COLUMBUS UPN 9449000	TA 48(55) S9

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SEGMENT E

410+00

412+00

T. 2 S., R. 20 E.

R1-1
USE AS IS

STOP

1ST AVENUE N

NINTH STREET (HIGHWAY 78)

ALTANA FEDERAL CREDIT UNION

UNITED BANK

SEGMENT E

414+00

(2) D3-1
(2) D3-1
R1-1
REPLACE

STOP

NINTH ST N

SECOND AVE N

SECOND AVENUE N

416+00

T. 2 S., R. 20 E.

STILLWATER LUMBER

418+00

(2) D3-1
(2) D3-1
R1-1
REPLACE

STOP

NINTH ST N

THIRD AVE N

THIRD AVENUE N

NINTH STREET (HIGHWAY 78)

R7-1X
R7-201a
USE AS IS

NO PARKING
DURING
SNOW
REMOVAL

LEGEND:

- NEW 6" SIDEWALK
- NEW PLANT MIX PATH FACILITY
- NEW 4" SIDEWALK FACILITY
- NEW PLANT MIX SURFACING

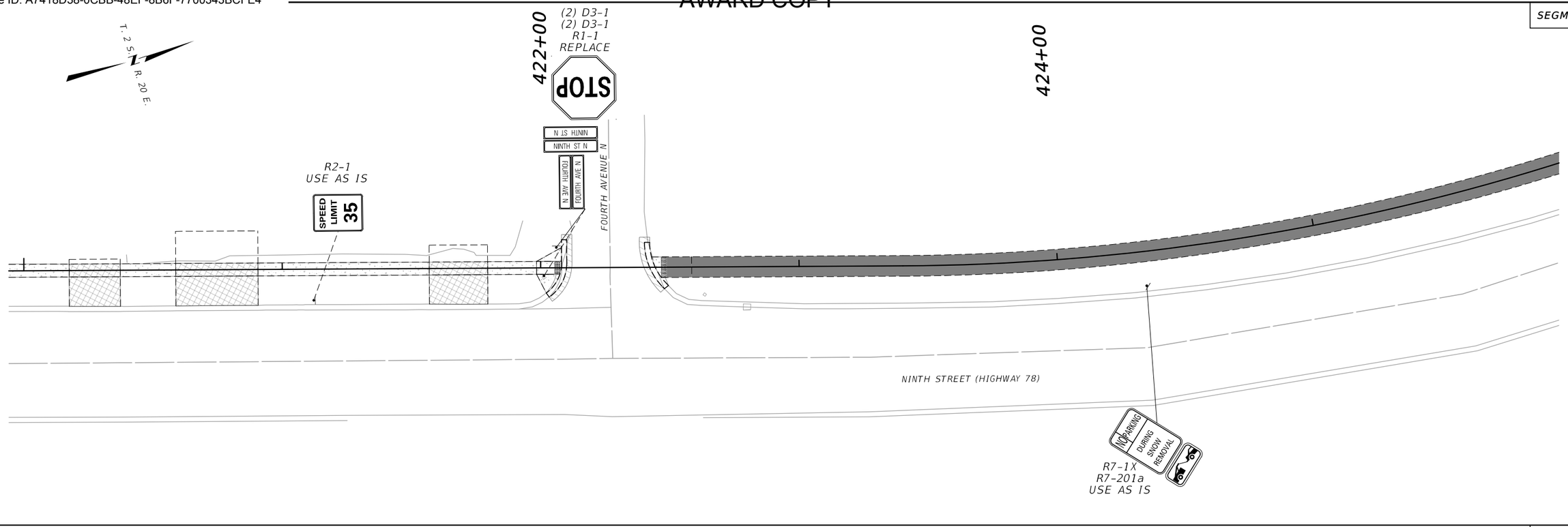
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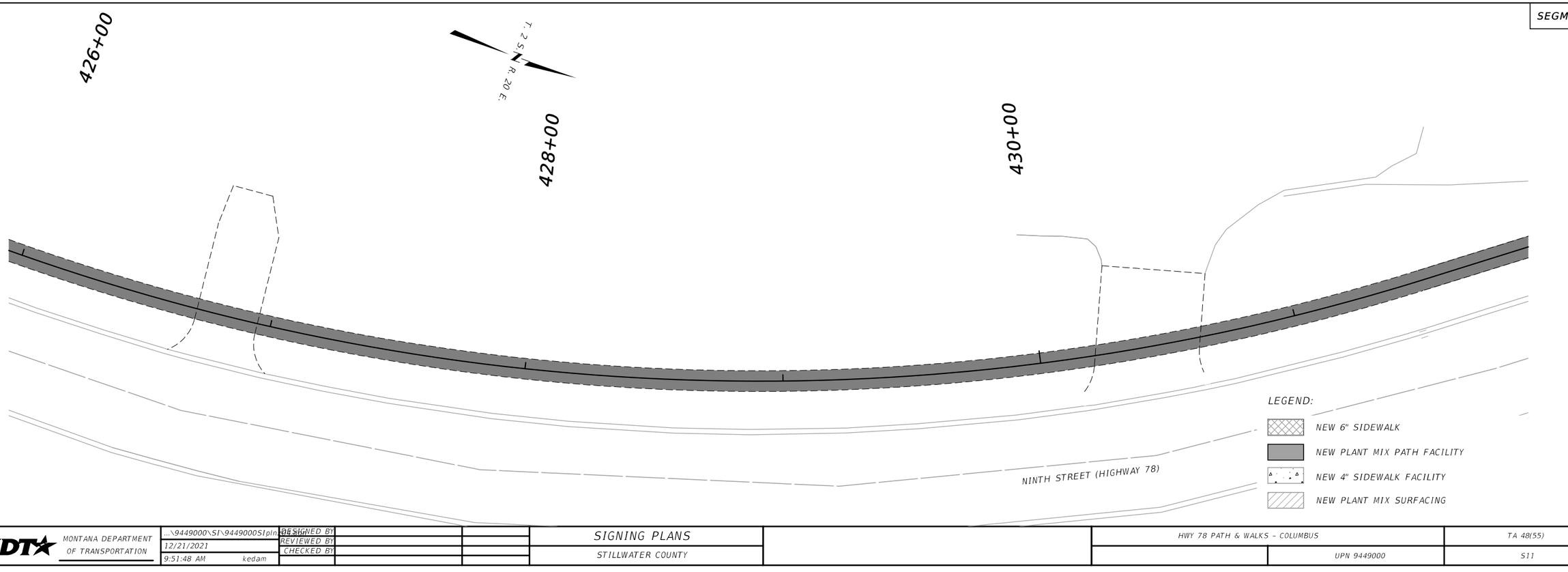
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SEGMENT E



SEGMENT E

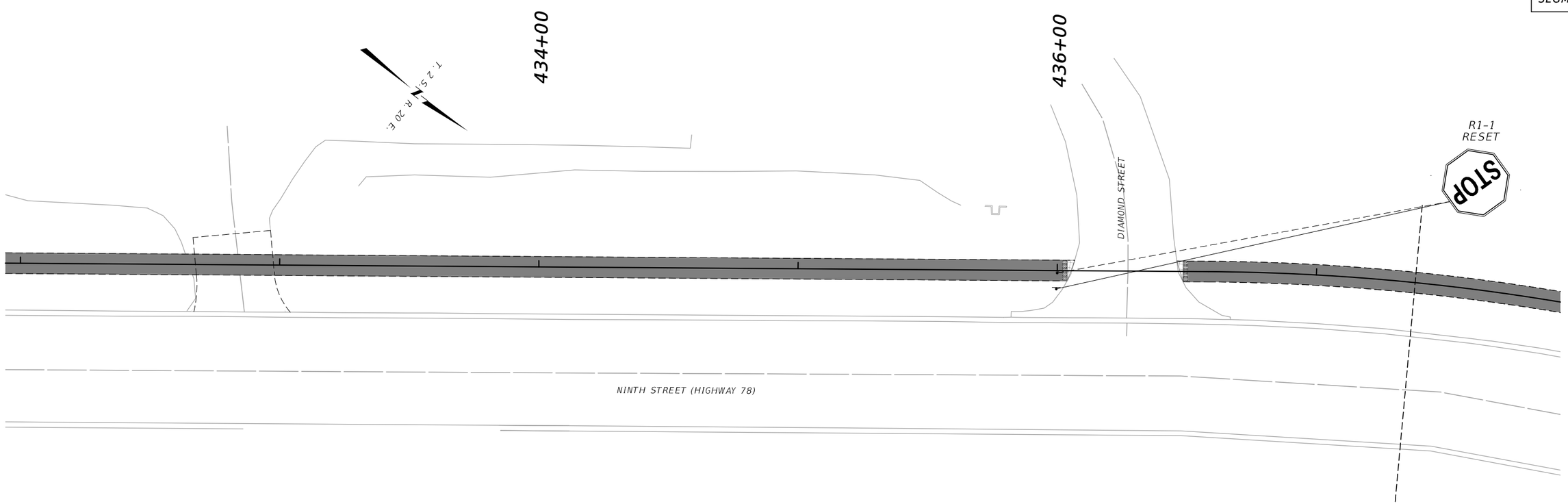


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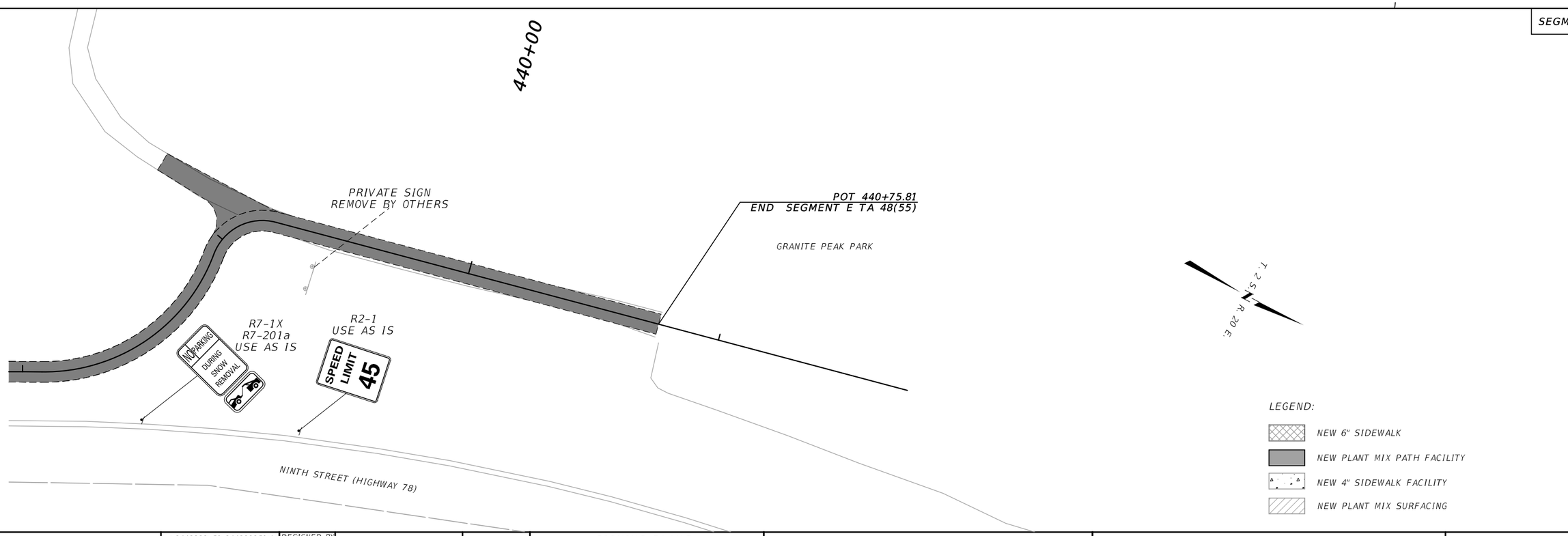
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1			12/21/2021	REVIEWED BY				
			9:51:48 AM kedam	CHECKED BY		STILLWATER COUNTY		S11

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SEGMENT E



SEGMENT E

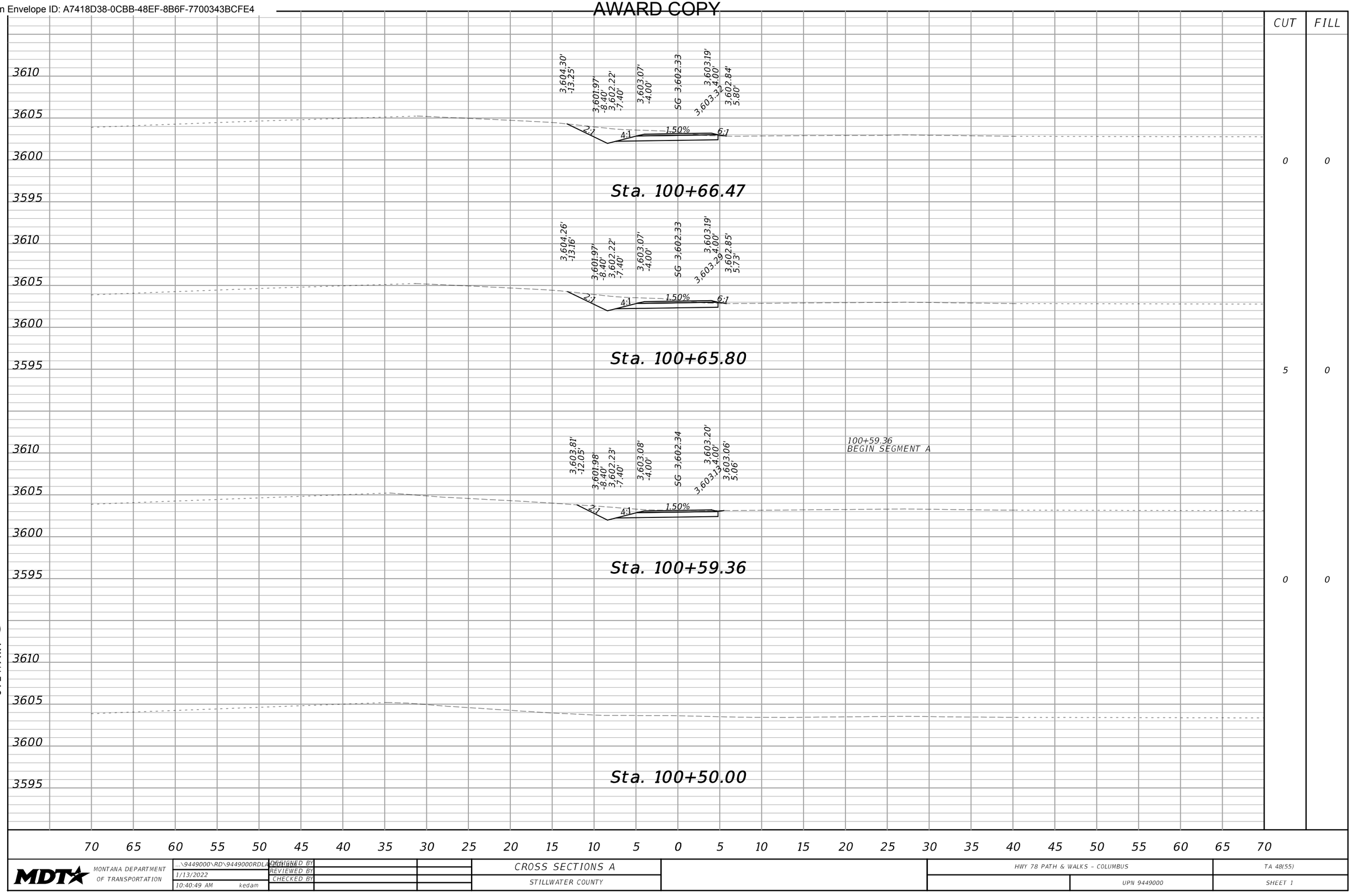


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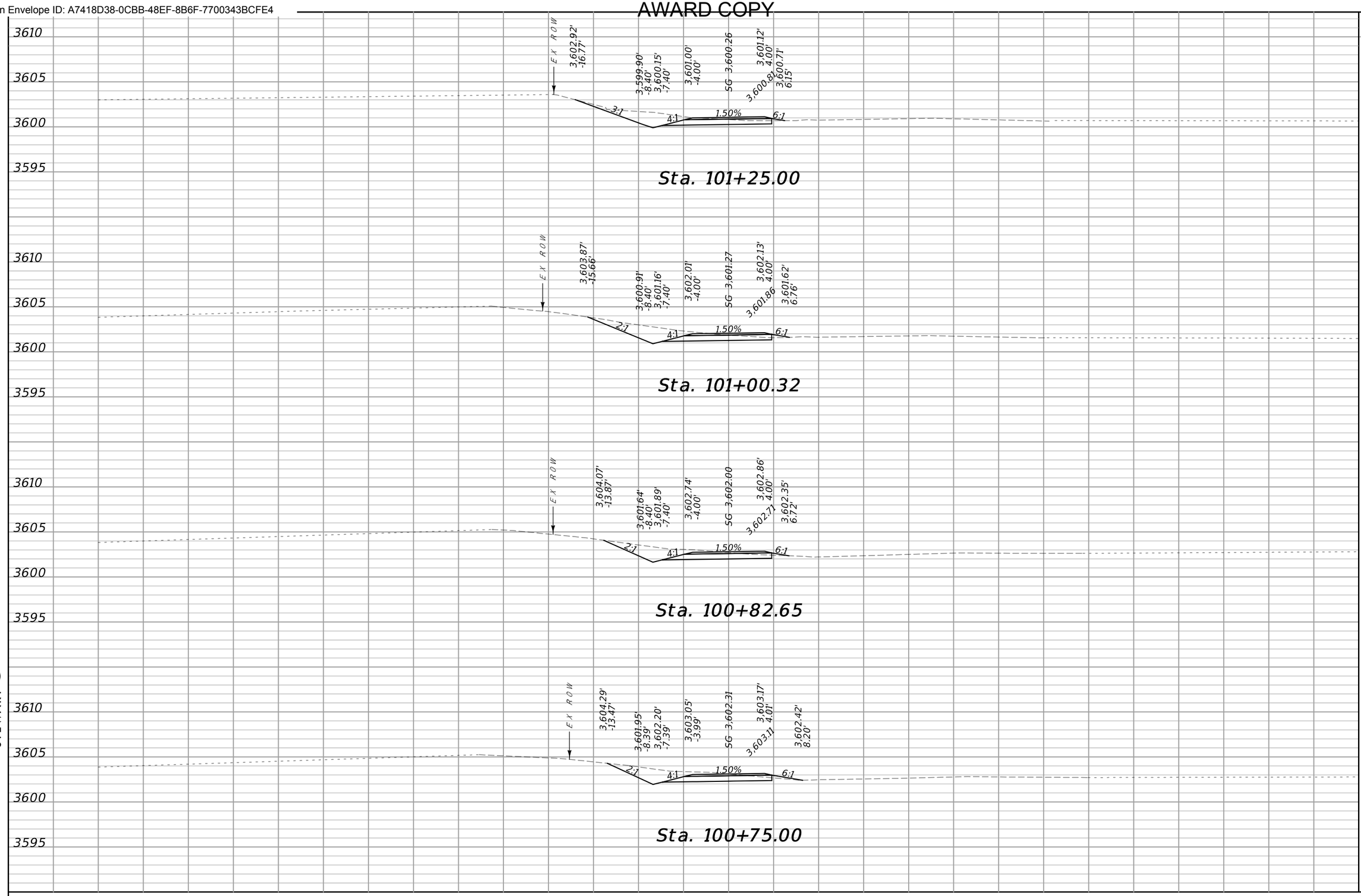
CUT	FILL
0	0
5	0
0	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY	CROSS SECTIONS A	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY			
	10:40:49 AM kedam	CHECKED BY	STILLWATER COUNTY	UPN 9449000	SHEET 1

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AWARD COPY



CUT	FILL
15	0
11	0
5	0
6	0

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY	CROSS SECTIONS A	HWY 78 PATH & WALKS - COLUMBUS / UPN 9449000
1/13/2022	REVIEWED BY	STILLWATER COUNTY	TA 48(55)
10:40:51 AM kedam	CHECKED BY		SHEET 2

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CUT	FILL
2	8
4	2
6	0
10	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn
1/13/2022
10:40:53 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

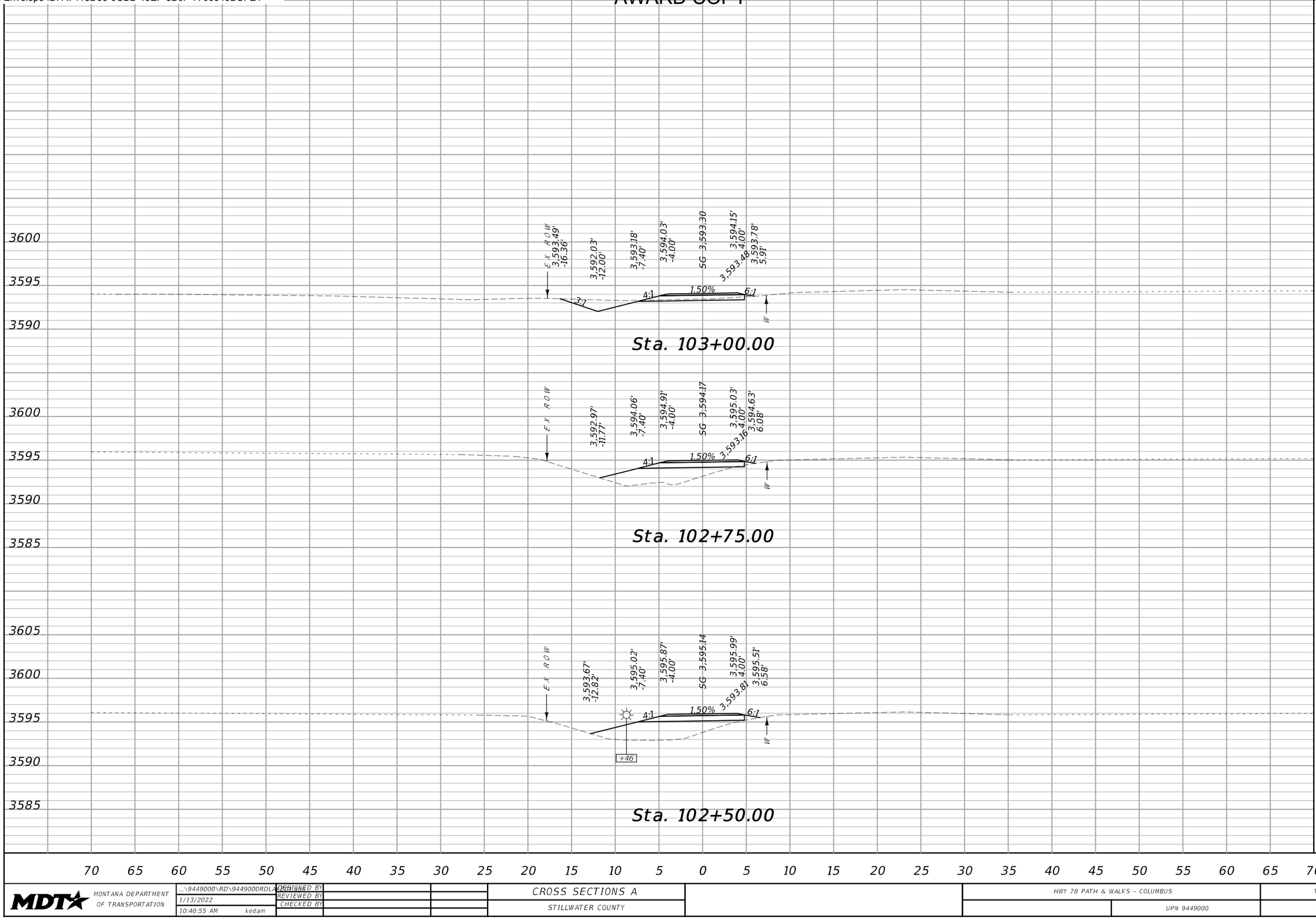
CROSS SECTIONS A
STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS
UPN 9449000

TA 48(55)
SHEET 3

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CUT	FILL
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0	20
1	18

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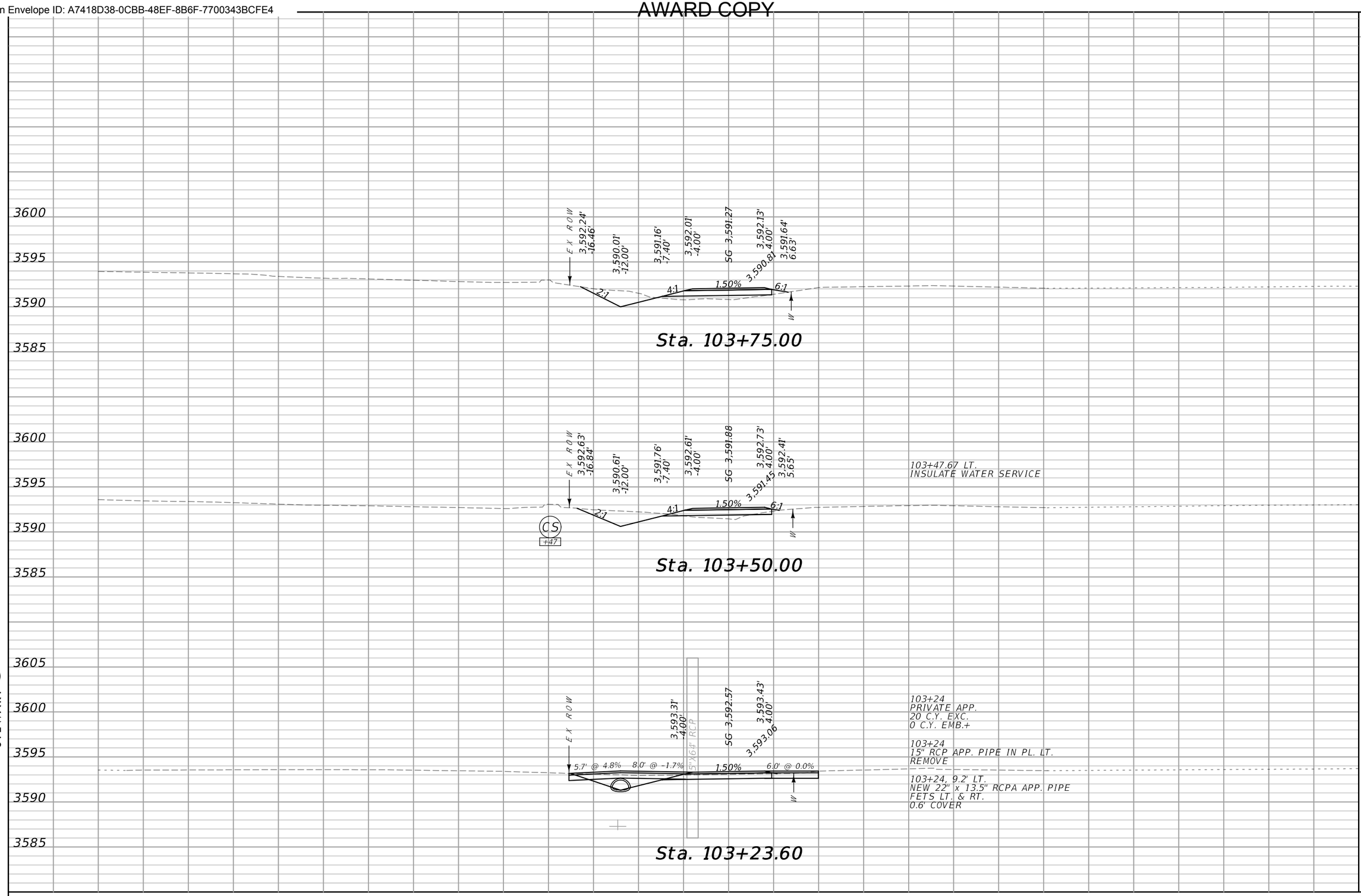
SANDERSON STEWART

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			STILLWATER COUNTY		UPN 9449000	SHEET 4

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CUT	FILL
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12	1
10	0

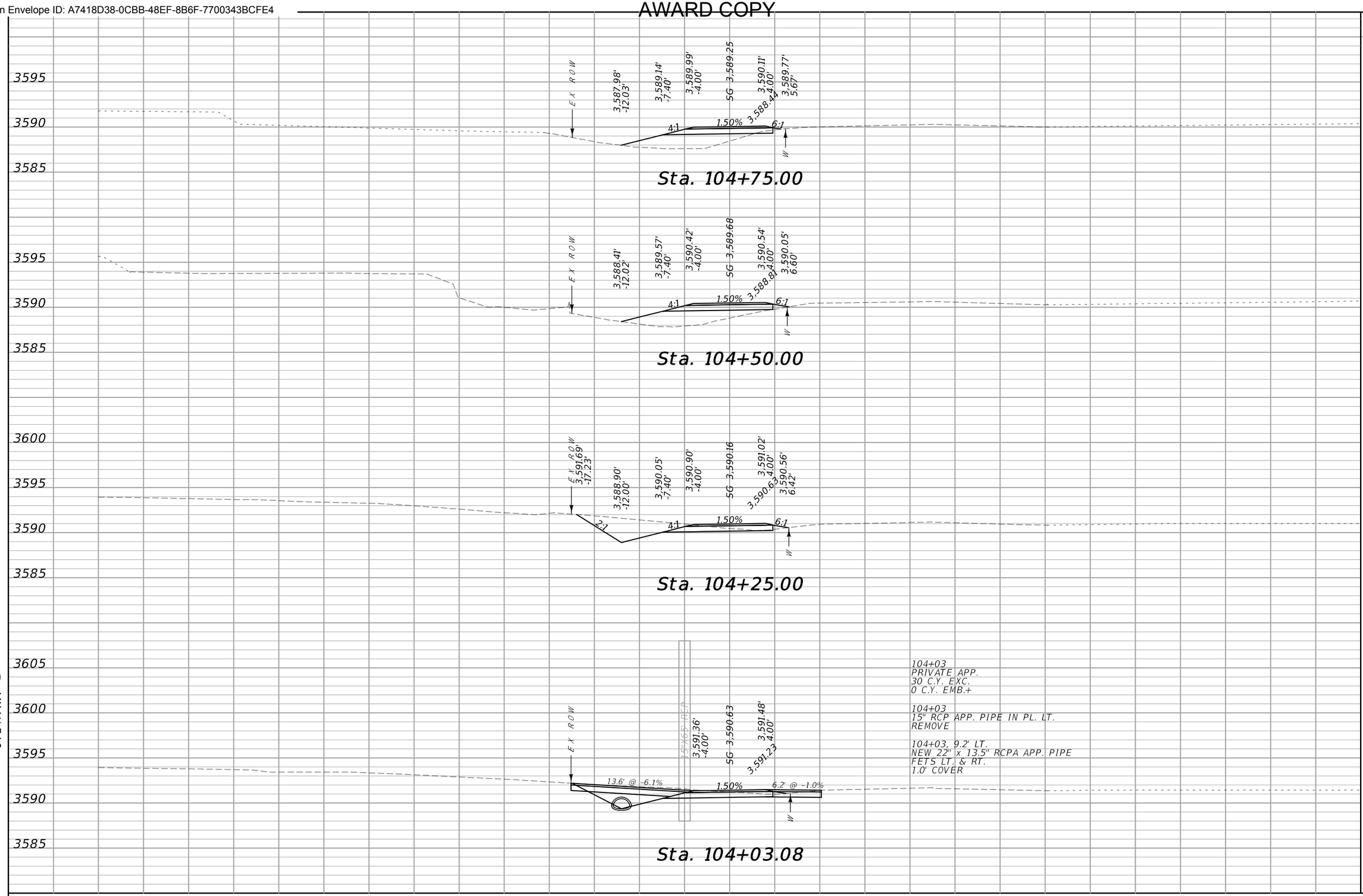


SANDERSON STEWART

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AWARD COPY



	CUT	FILL
	0	15
	10	8
	18	0
	16	2

104+03
PRIVATE APP.
30 C.Y. EXC.
0 C.Y. EMB.+

104+03
15" RCP APP. PIPE IN PL. LT.
REMOVE

104+03, 9.2' LT.
NEW 22" x 13.5" RCPA APP. PIPE
FETS LT. & RT.
1.0' COVER

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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

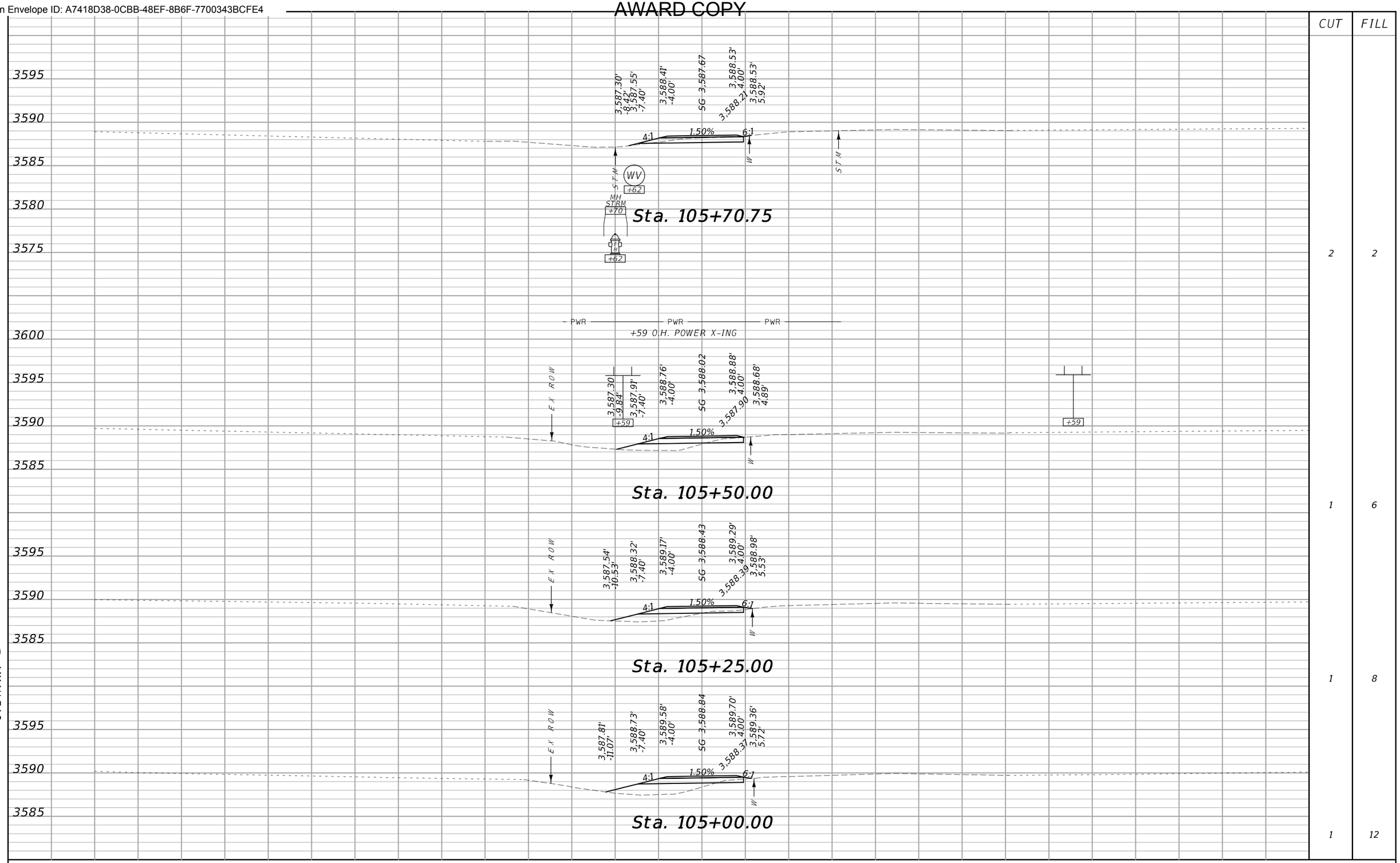
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1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000
10:40:59 AM kedam	CHECKED BY		SHEET 6

TA 48(55)

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AWARD COPY

	CUT	FILL
Sta. 105+70.75	2	2
Sta. 105+50.00	1	6
Sta. 105+25.00	1	8
Sta. 105+00.00	1	12



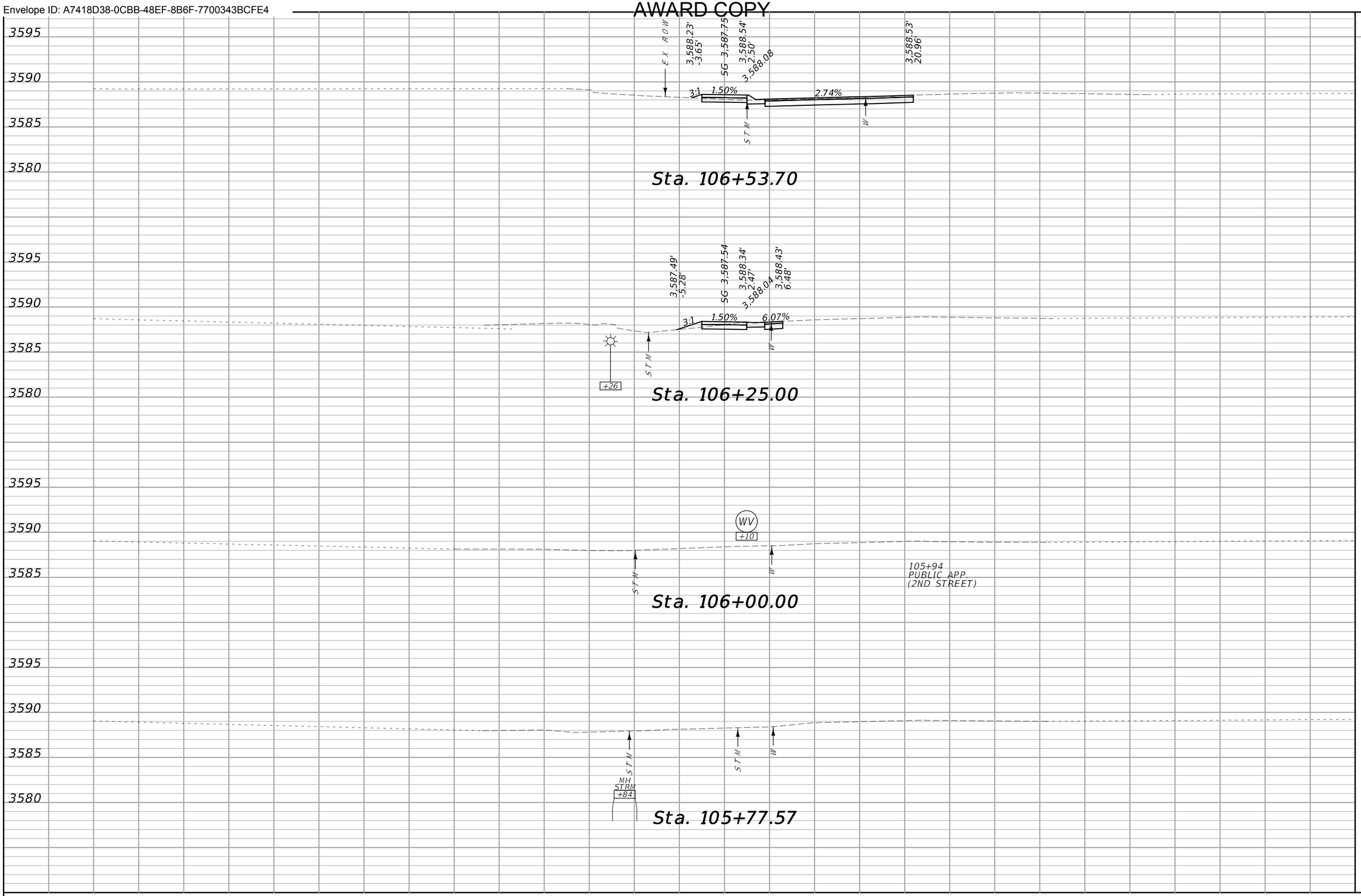
SANDERSON STEWART

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	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 7
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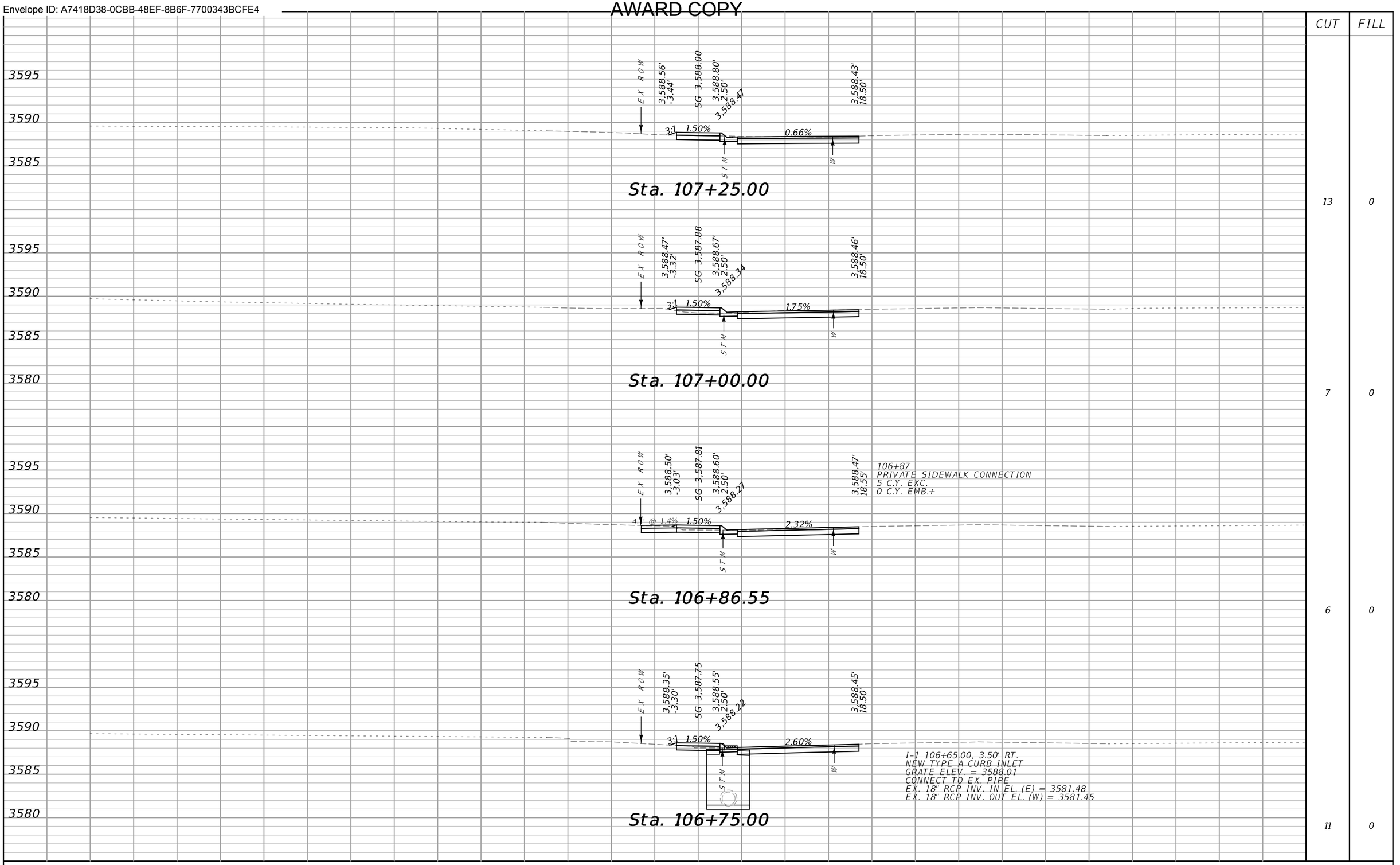
CUT	FILL
11	1
10	1

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY	CROSS SECTIONS A	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 8
	10:41:02 AM kedam	CHECKED BY			

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7	0
6	0
11	0

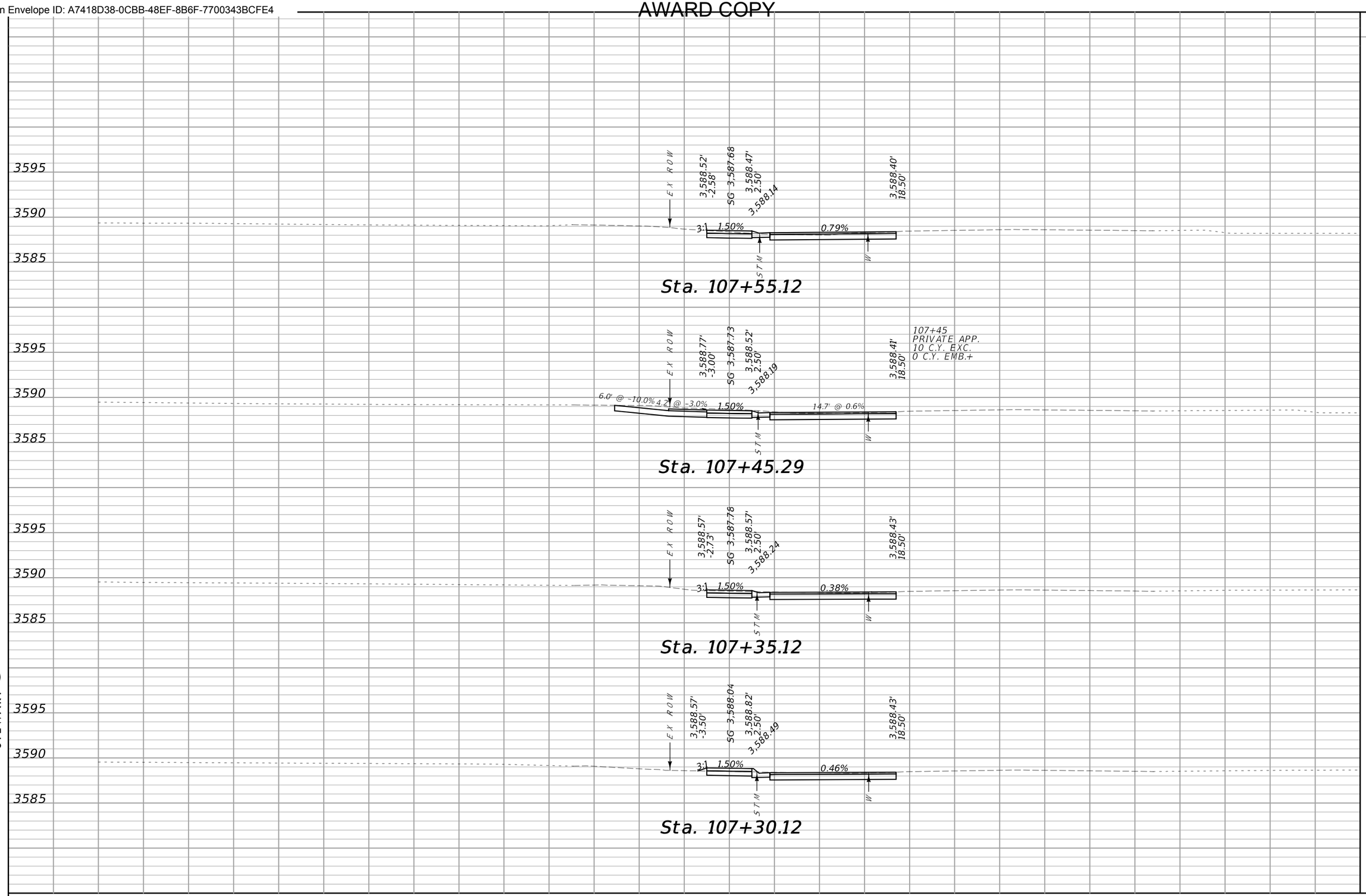
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SANDERSON STEWART

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	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 9
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CUT	FILL
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6	0
3	0
3	0

SANDERSON STEWART

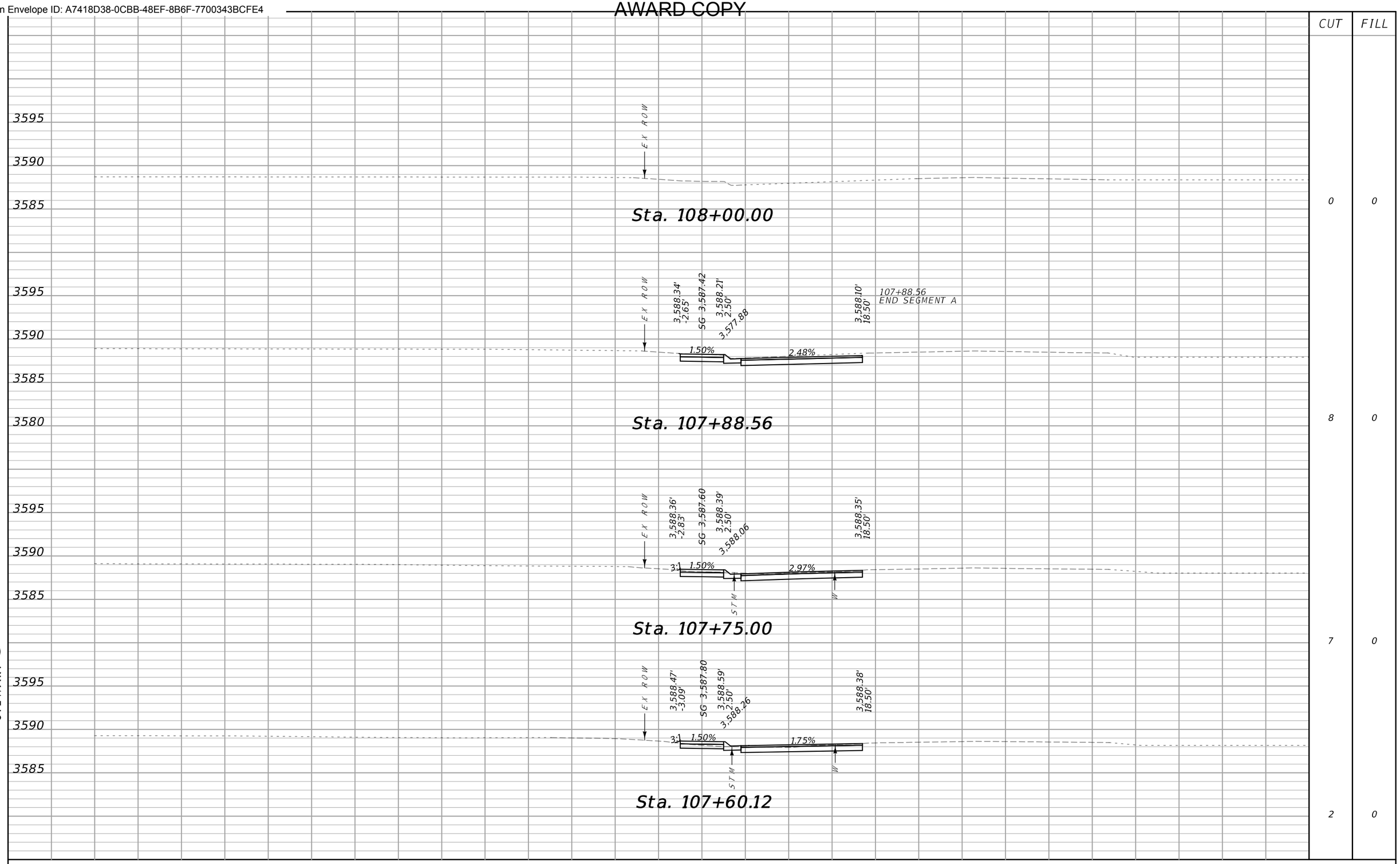
MDT MONTANA DEPARTMENT OF TRANSPORTATION

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1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000 / SHEET 10
10:41:06 AM kedam	CHECKED BY		

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7	0
2	0



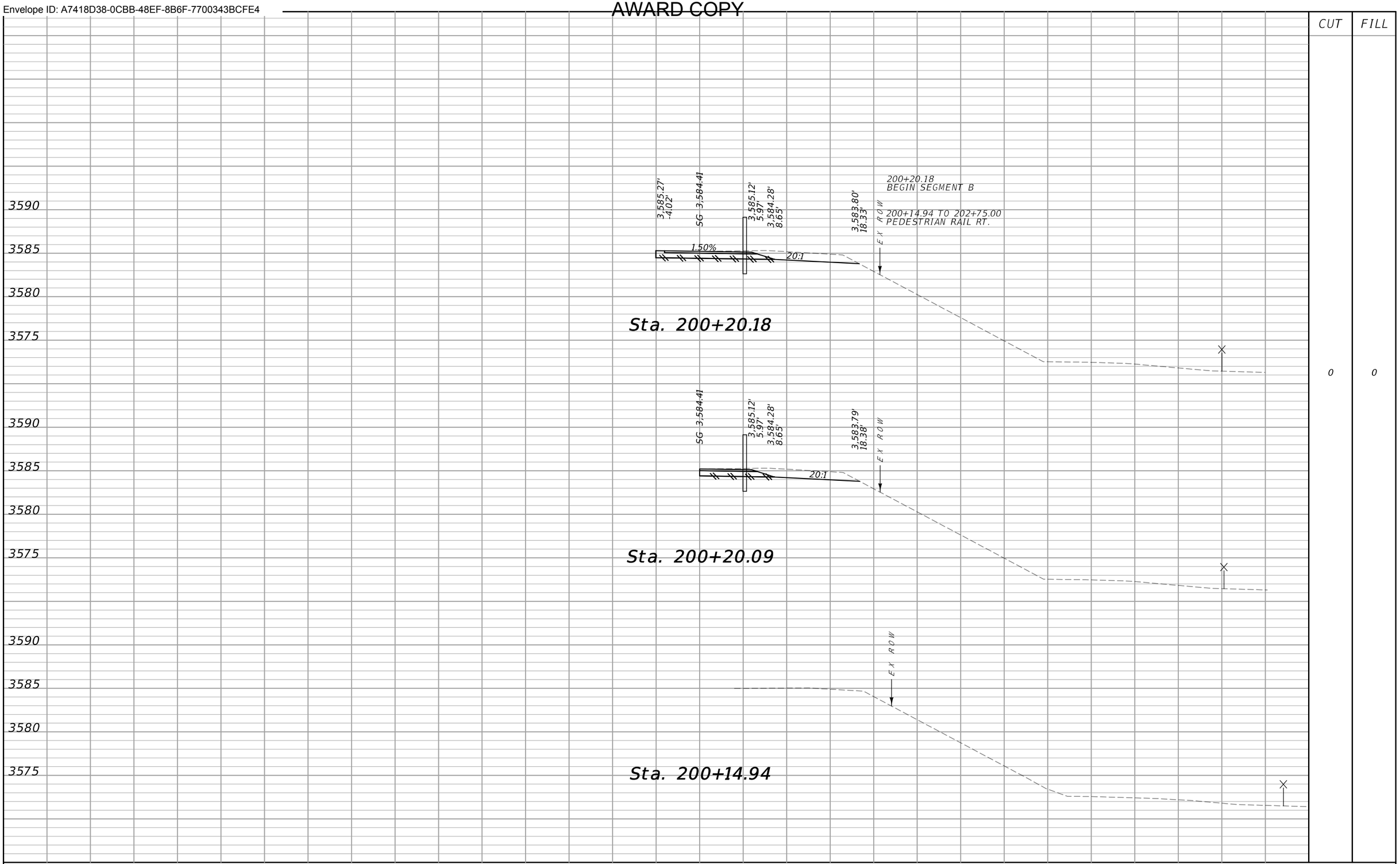
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS A	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 11
	10:41:08 AM kedam	CHECKED BY				

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CUT	FILL
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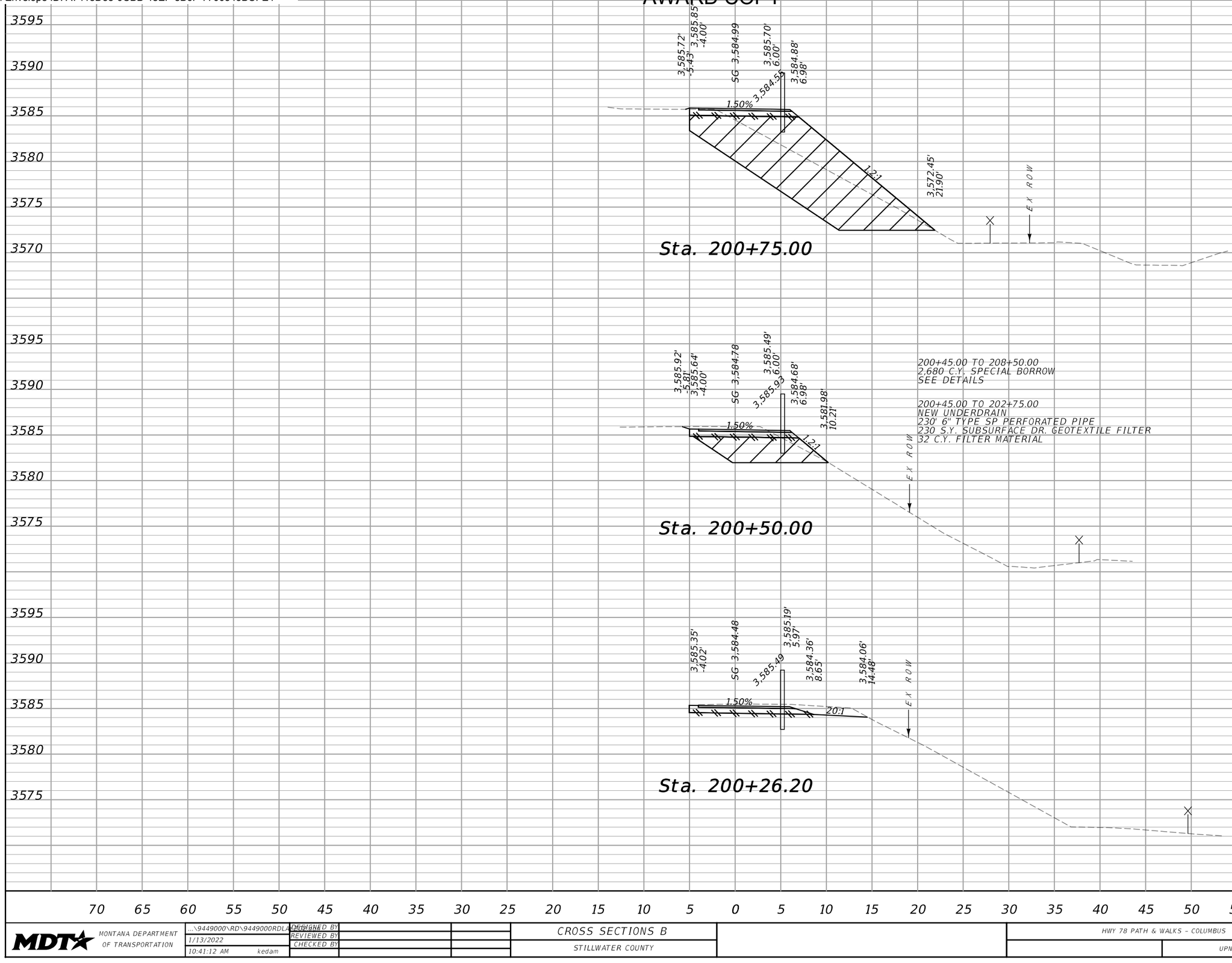


SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY			CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY					
	10:41:11 AM kedam	CHECKED BY			STILLWATER COUNTY	UPN 9449000	SHEET 12

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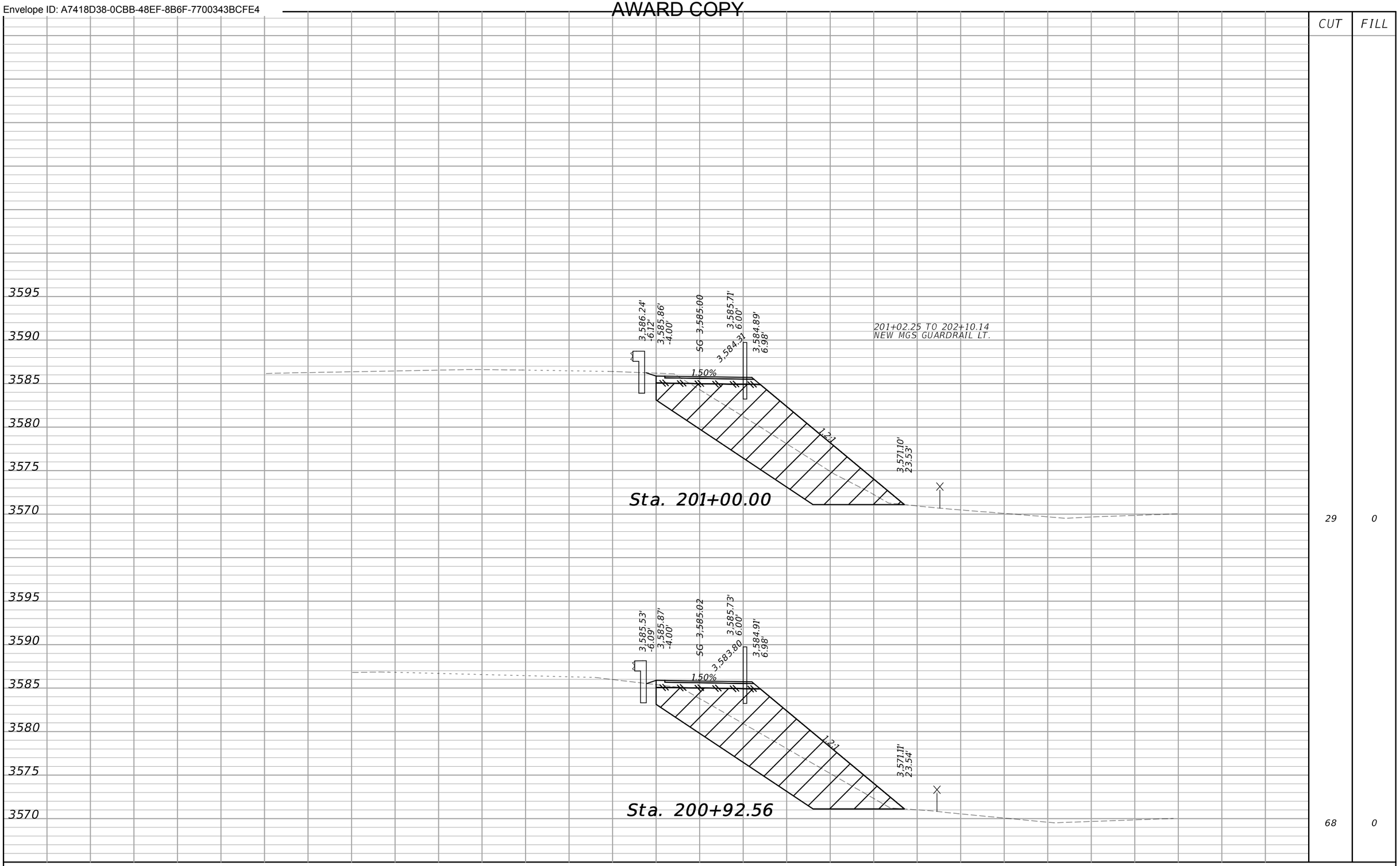
CUT	FILL
68	0
32	0
5	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:41:12 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 13

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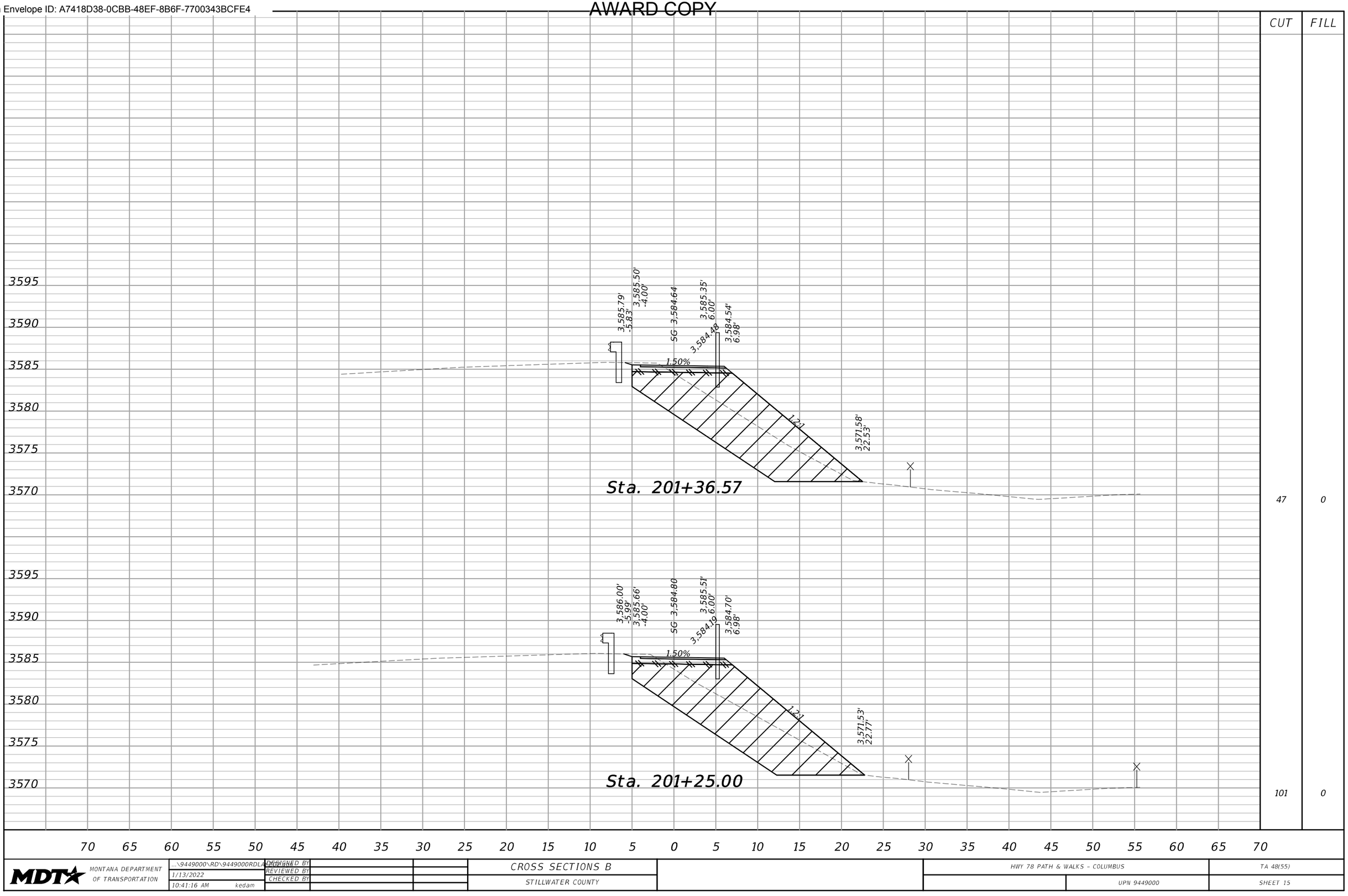


CUT	FILL
29	0
68	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 14
	10:41:14 AM kedam	CHECKED BY				

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CUT	FILL
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101	0

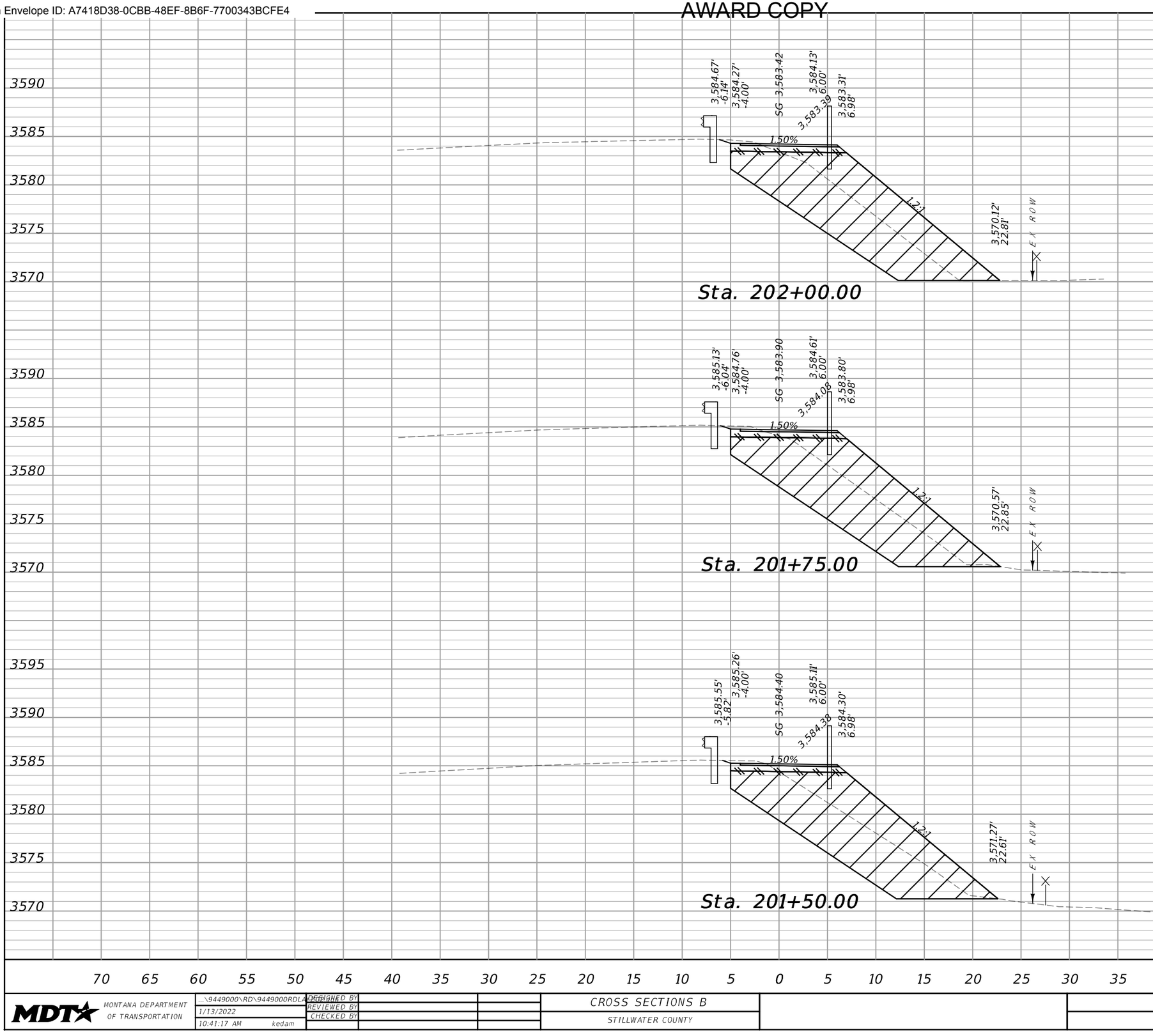
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 15
	10:41:16 AM kedam	CHECKED BY				

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CUT	FILL
98	0
101	0
54	0

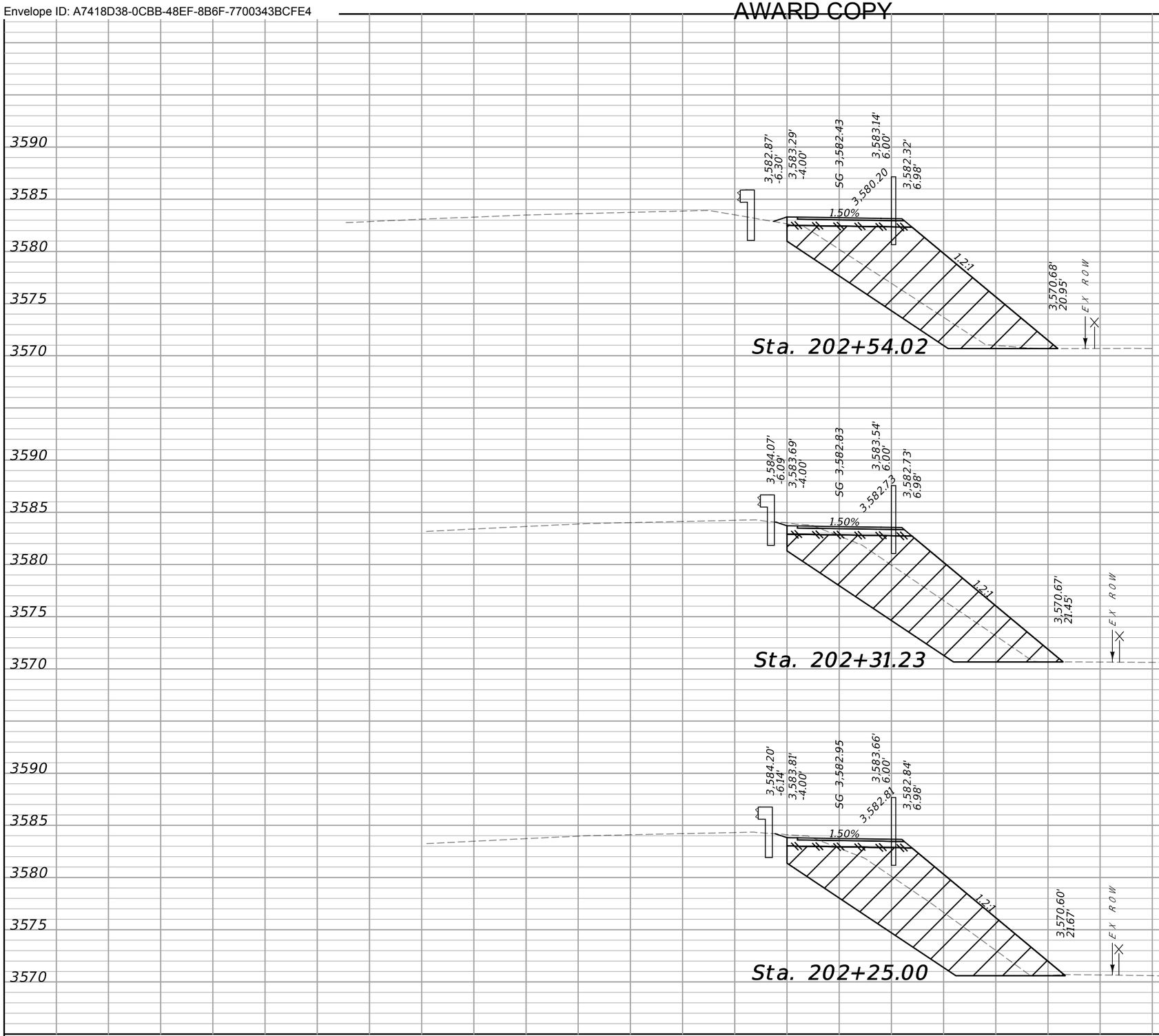
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SANDERSON STEWART

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	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 16
	10:41:17 AM kedam	CHECKED BY				

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23	0
93	0

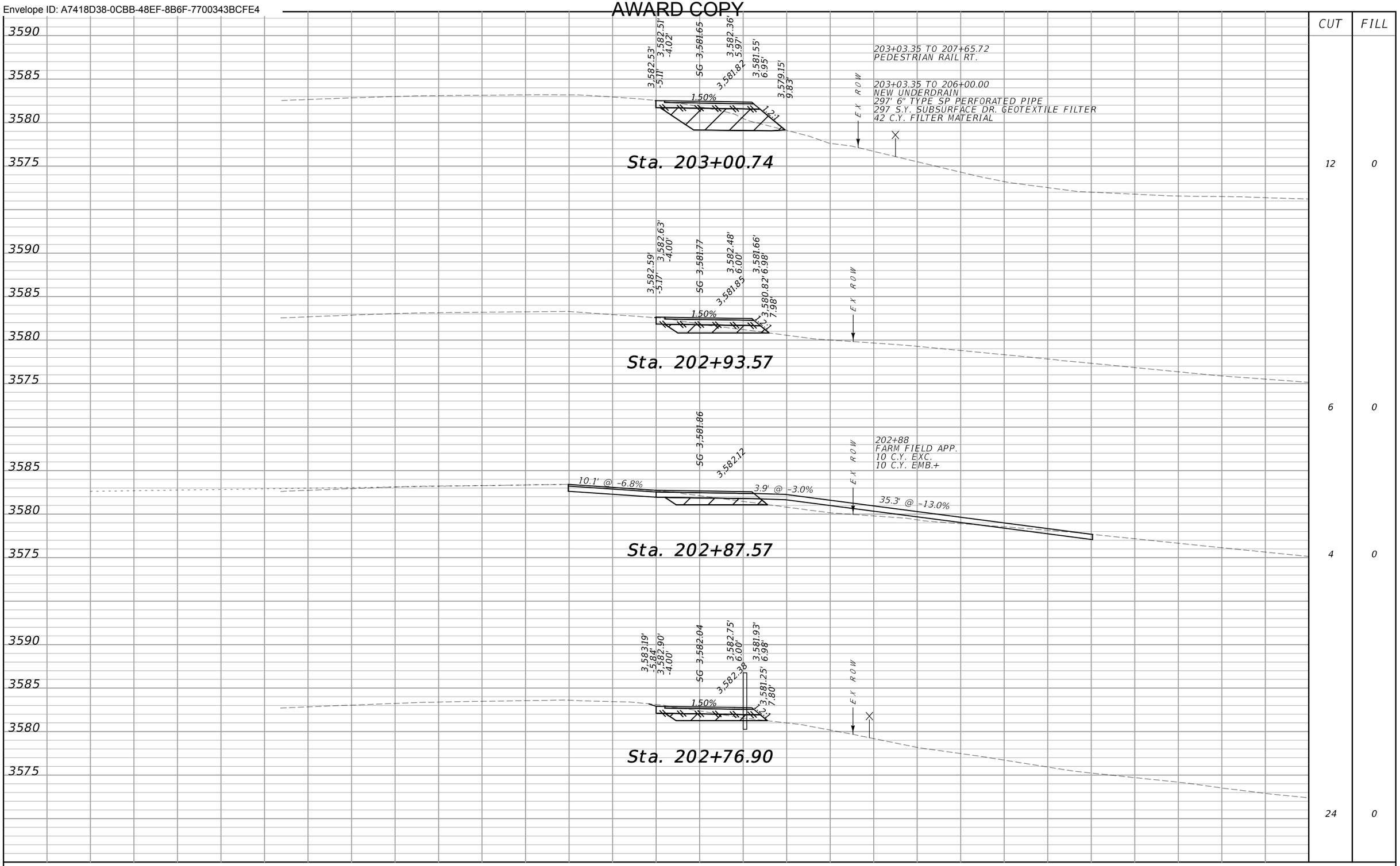
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SANDERSON STEWART

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	1/13/2022	REVIEWED BY				
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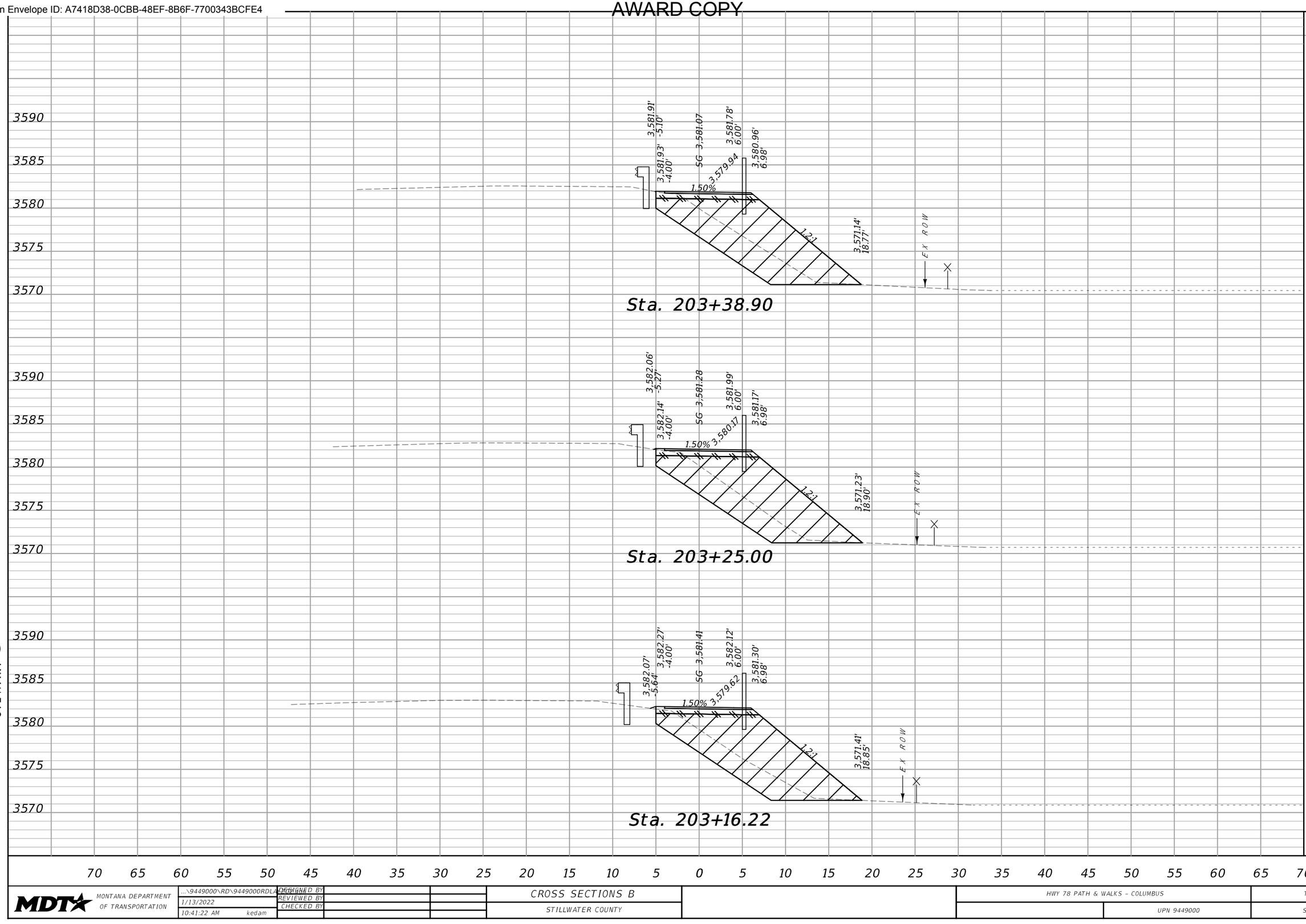
CUT	FILL
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6	0
4	0
24	0

SANDERSON STEWART

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	1/13/2022	REVIEWED BY			
	10:41:21 AM kedam	CHECKED BY	STILLWATER COUNTY	UPN 9449000	SHEET 18

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CUT	FILL
26	0
15	0
22	0

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MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAD55.DGN	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 19
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CUT	FILL
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50	0
22	0

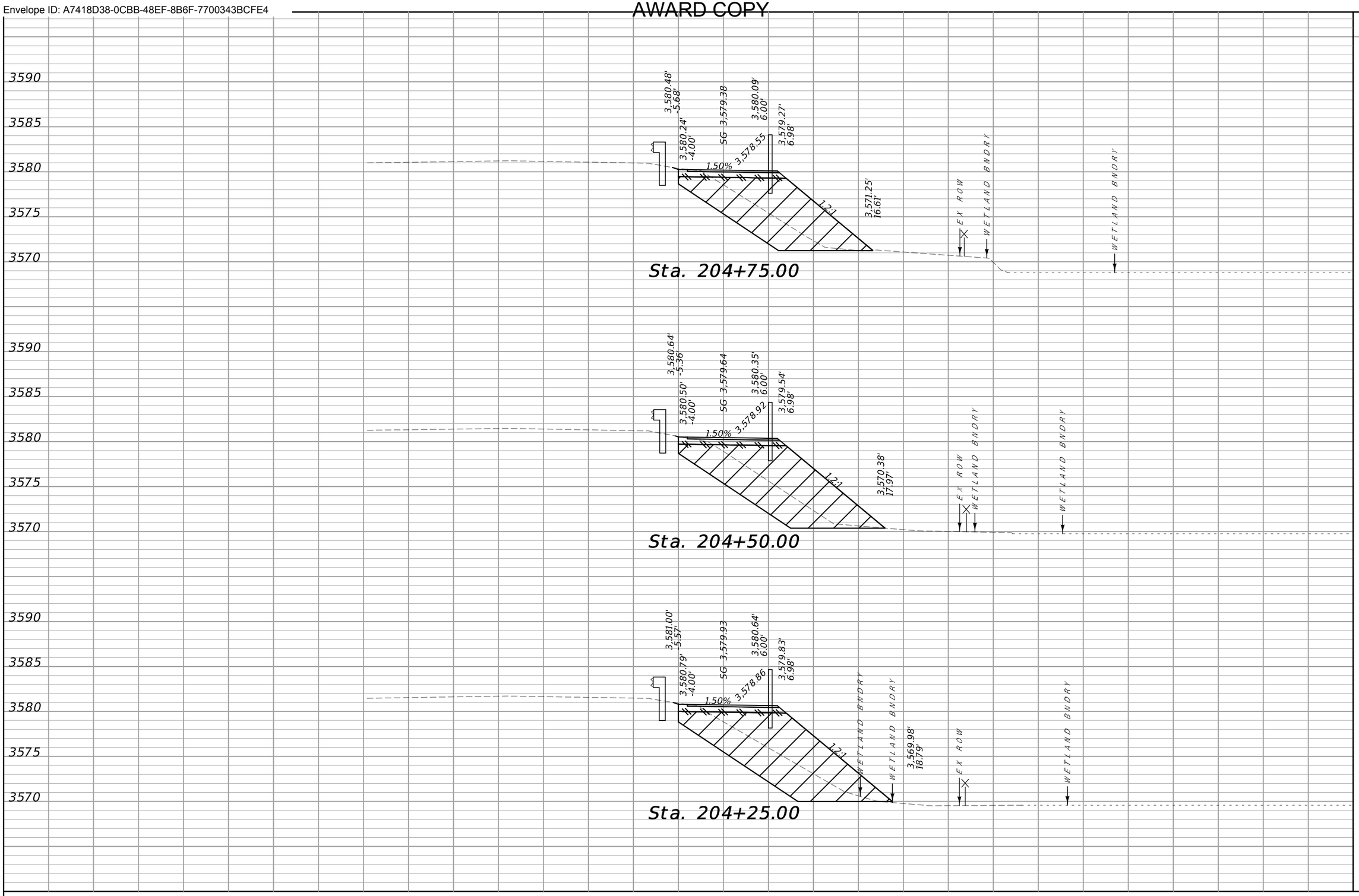
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 20
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CUT	FILL
45	0
60	0
55	0

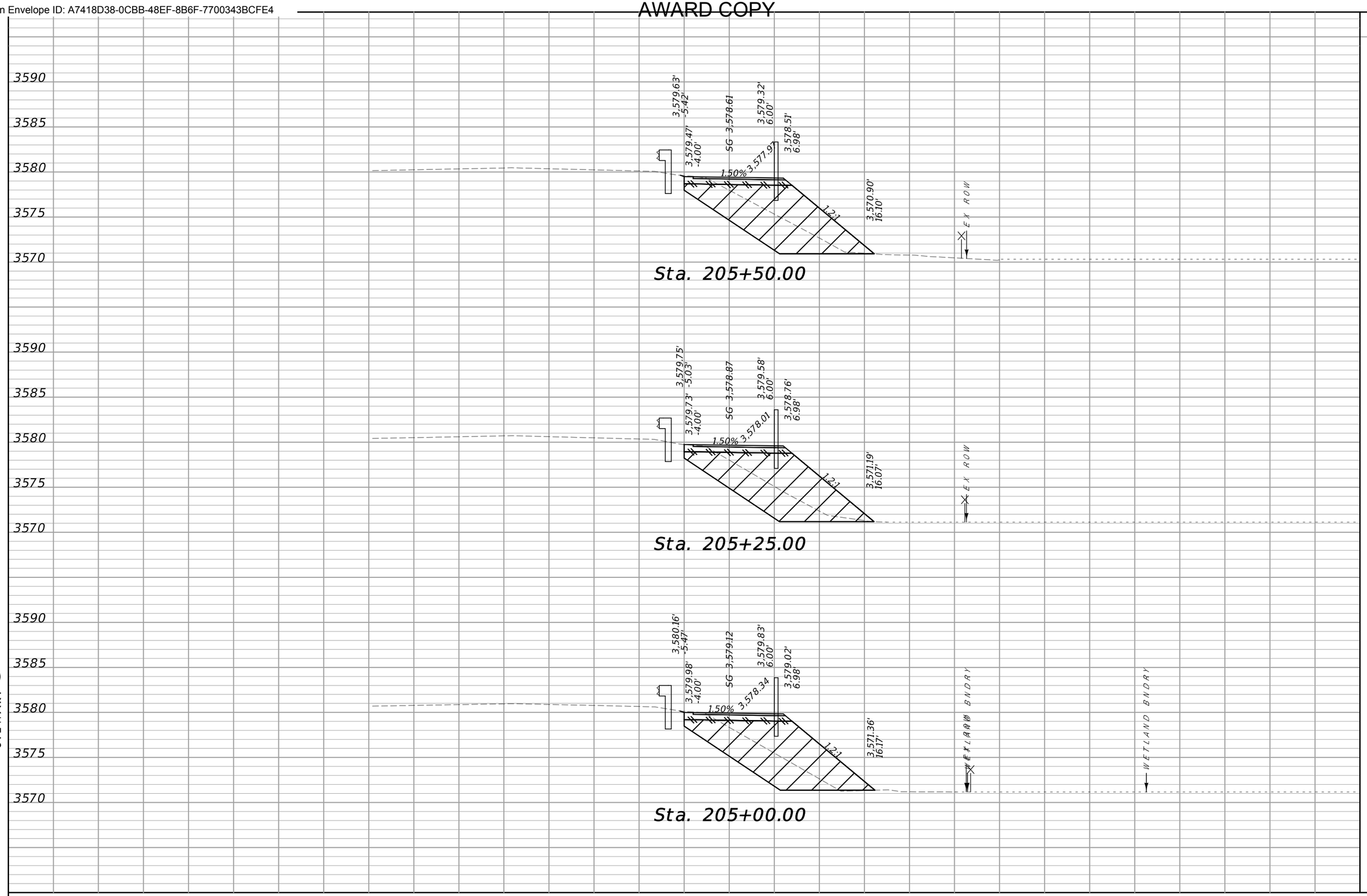
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SANDERSON STEWART

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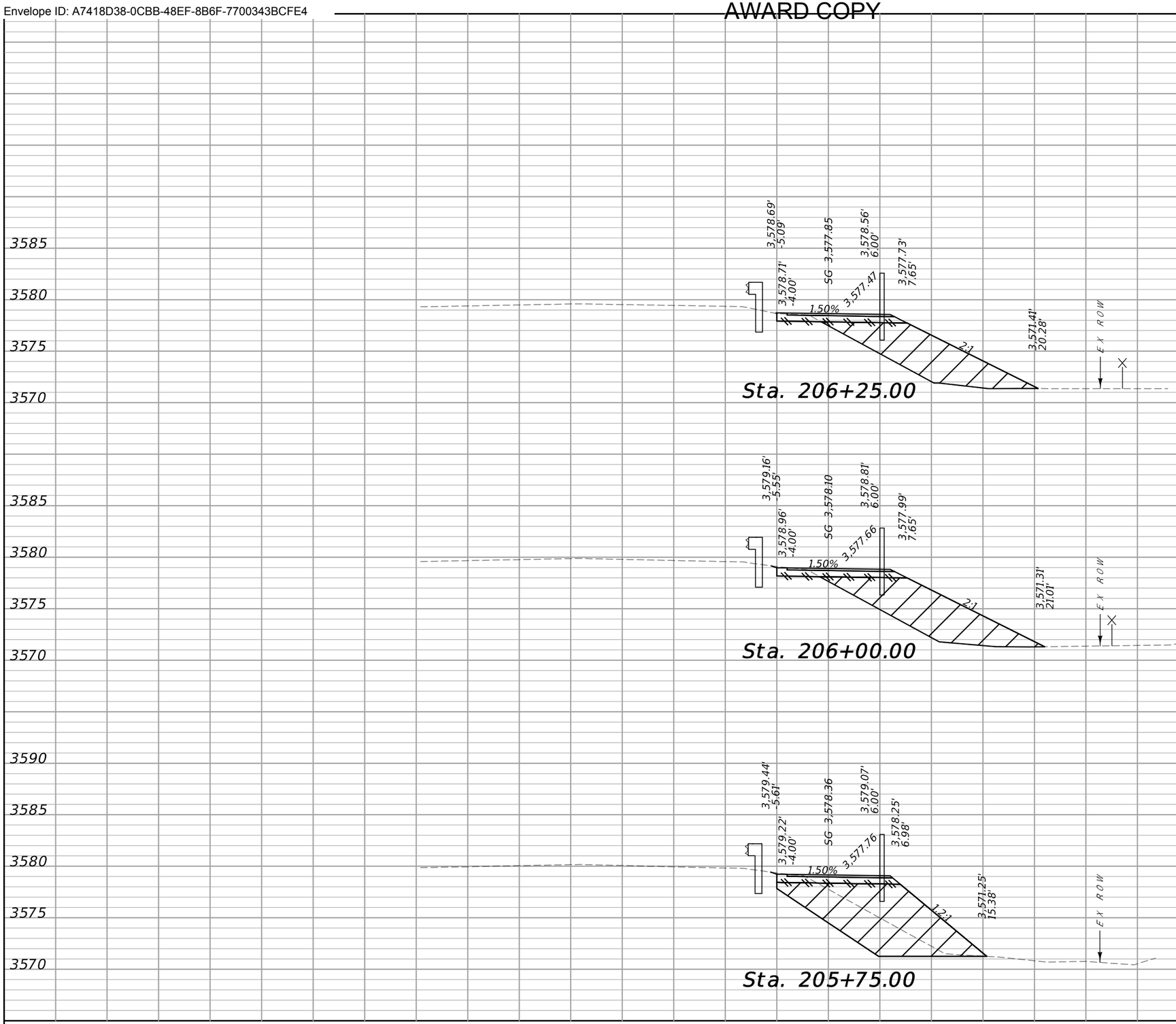
CUT	FILL
44	0
42	0
42	0

SANDERSON STEWART

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MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 22
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22	0
44	0

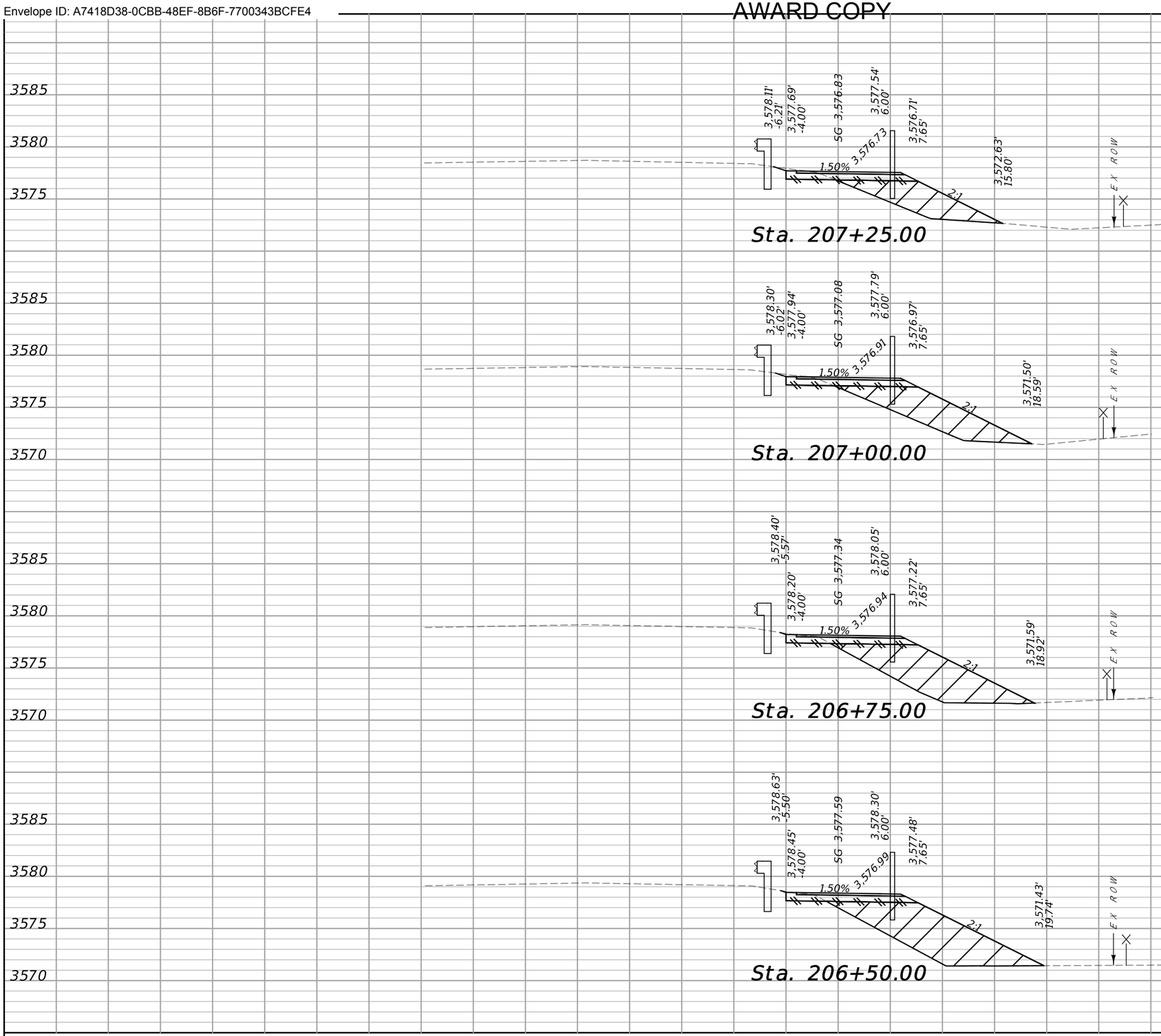
SANDERSON STEWART

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	1/13/2022	REVIEWED BY				
	10:41:29 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 23

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AWARD COPY



CUT	FILL
5	0
5	0
4	0
5	0

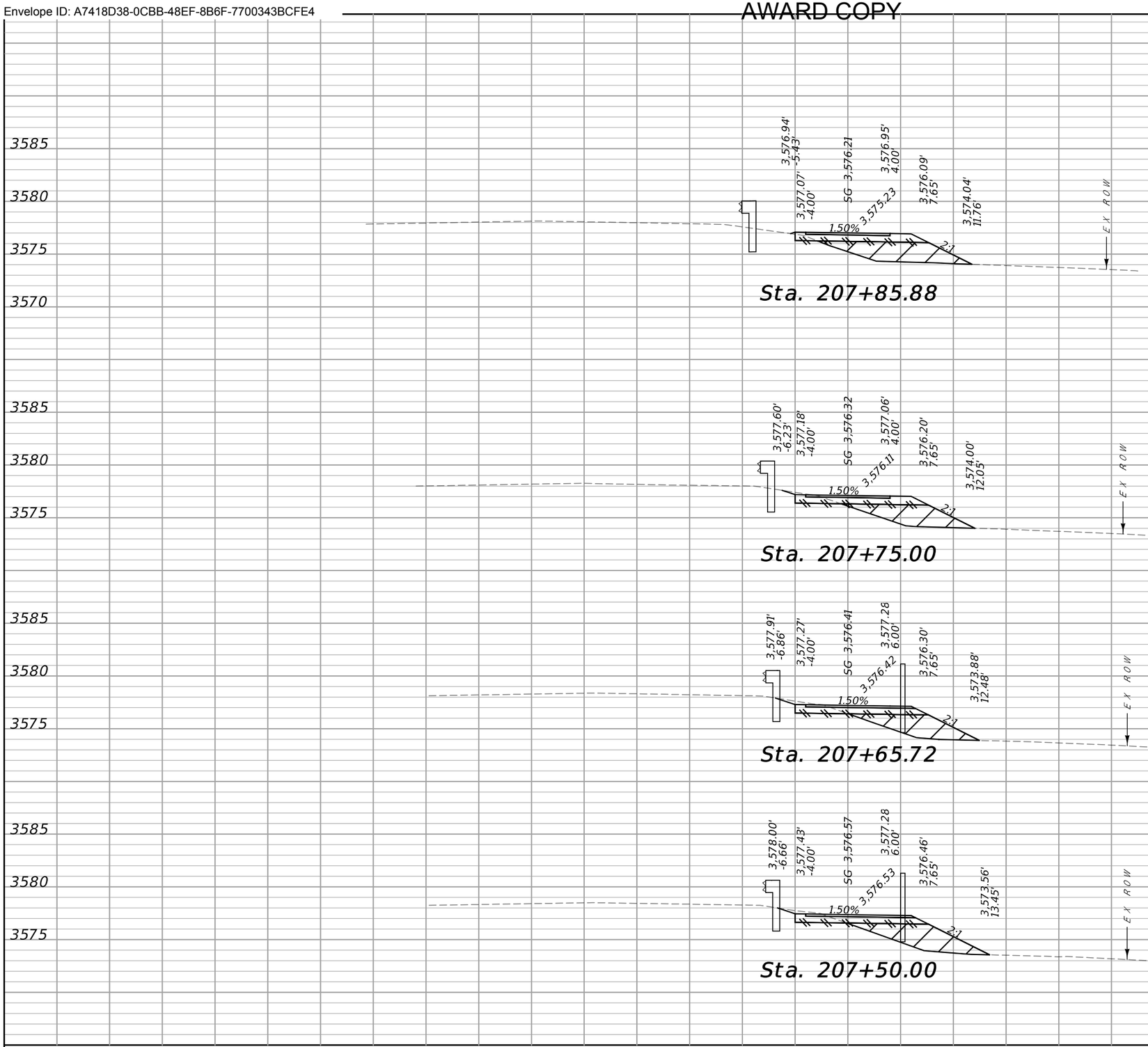
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY			
	10:41:31 AM kedam	CHECKED BY	STILLWATER COUNTY	UPN 9449000	SHEET 24

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1	0
2	0
6	0

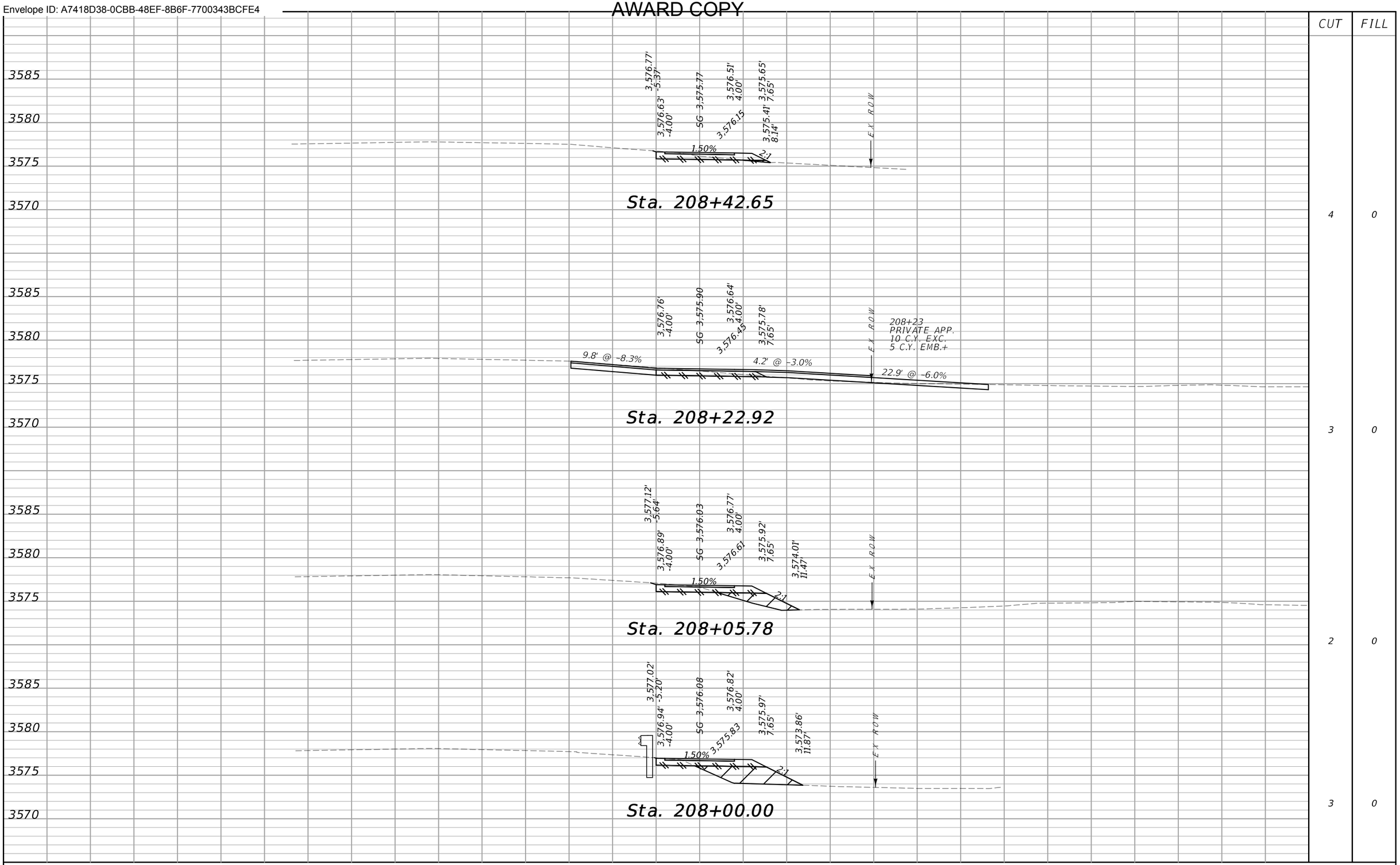
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 25
	10:41:32 AM kedam	CHECKED BY				

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AWARD COPY



CUT	FILL
4	0
3	0
2	0
3	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

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1/13/2022
10:41:34 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

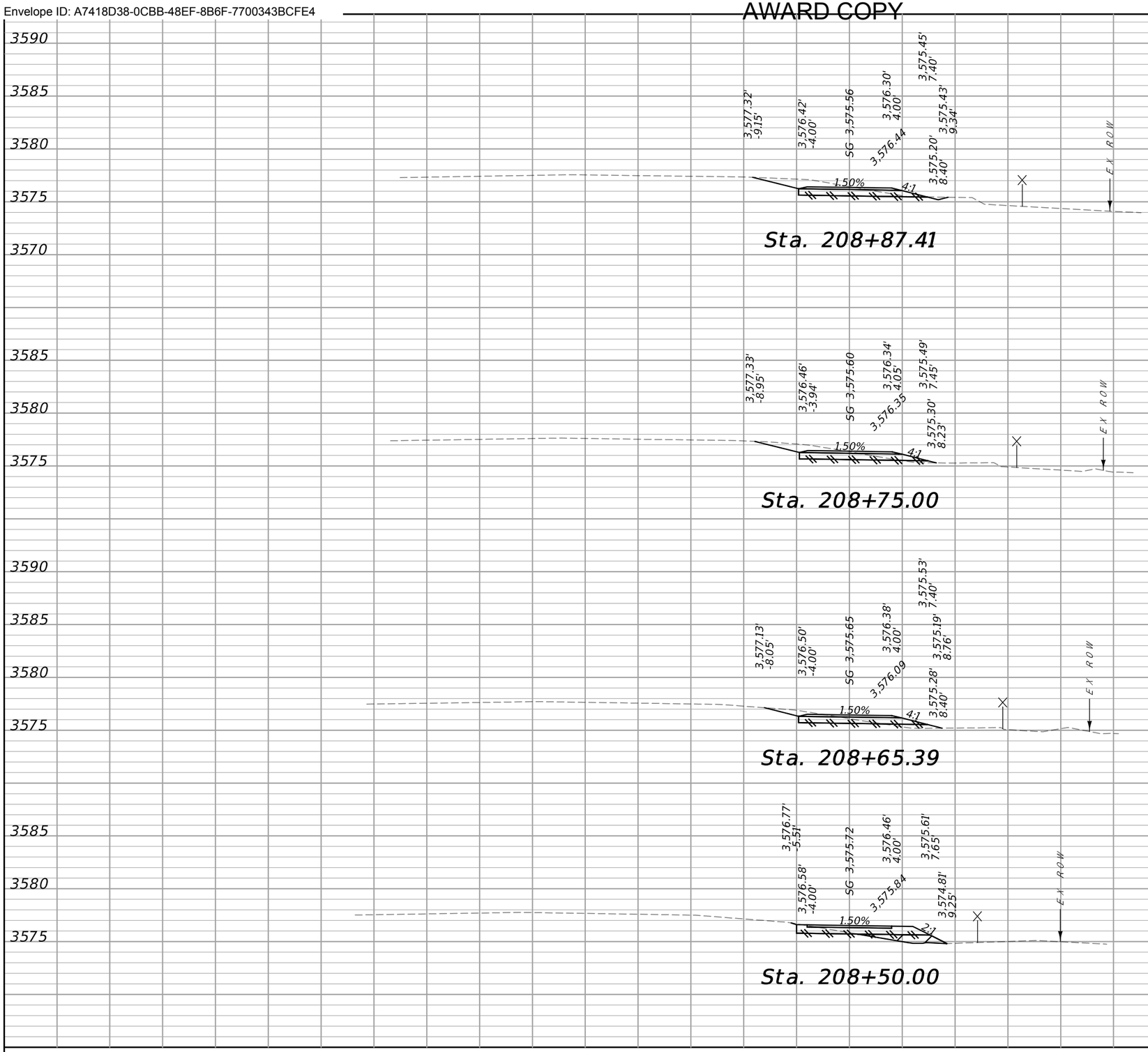
CROSS SECTIONS B
STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS
UPN 9449000

TA 48(55)
SHEET 26

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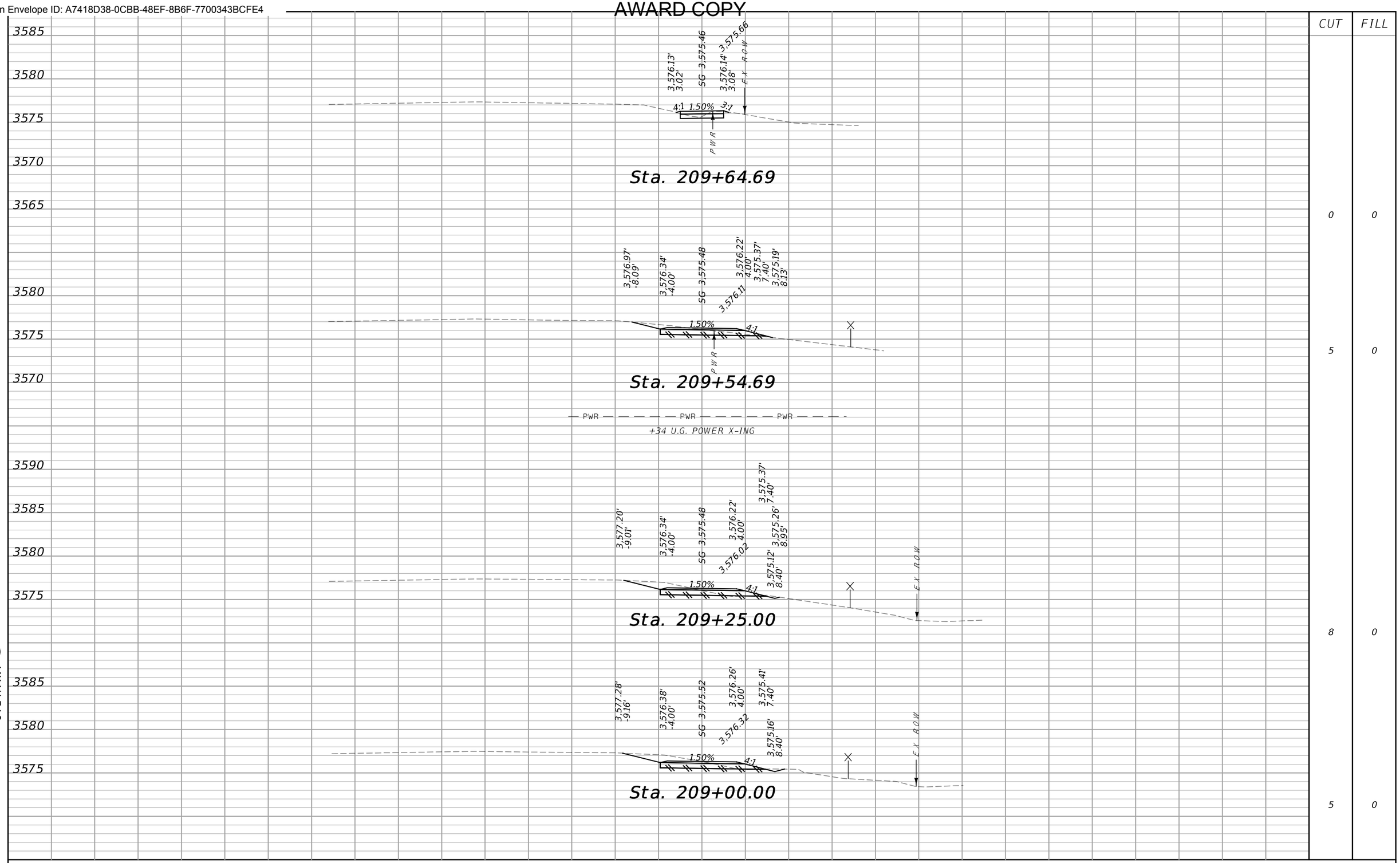
CUT	FILL
4	0
3	0
2	0
1	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 27
	10:41:36 AM kedam	CHECKED BY			

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CUT	FILL
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5	0
8	0
5	0

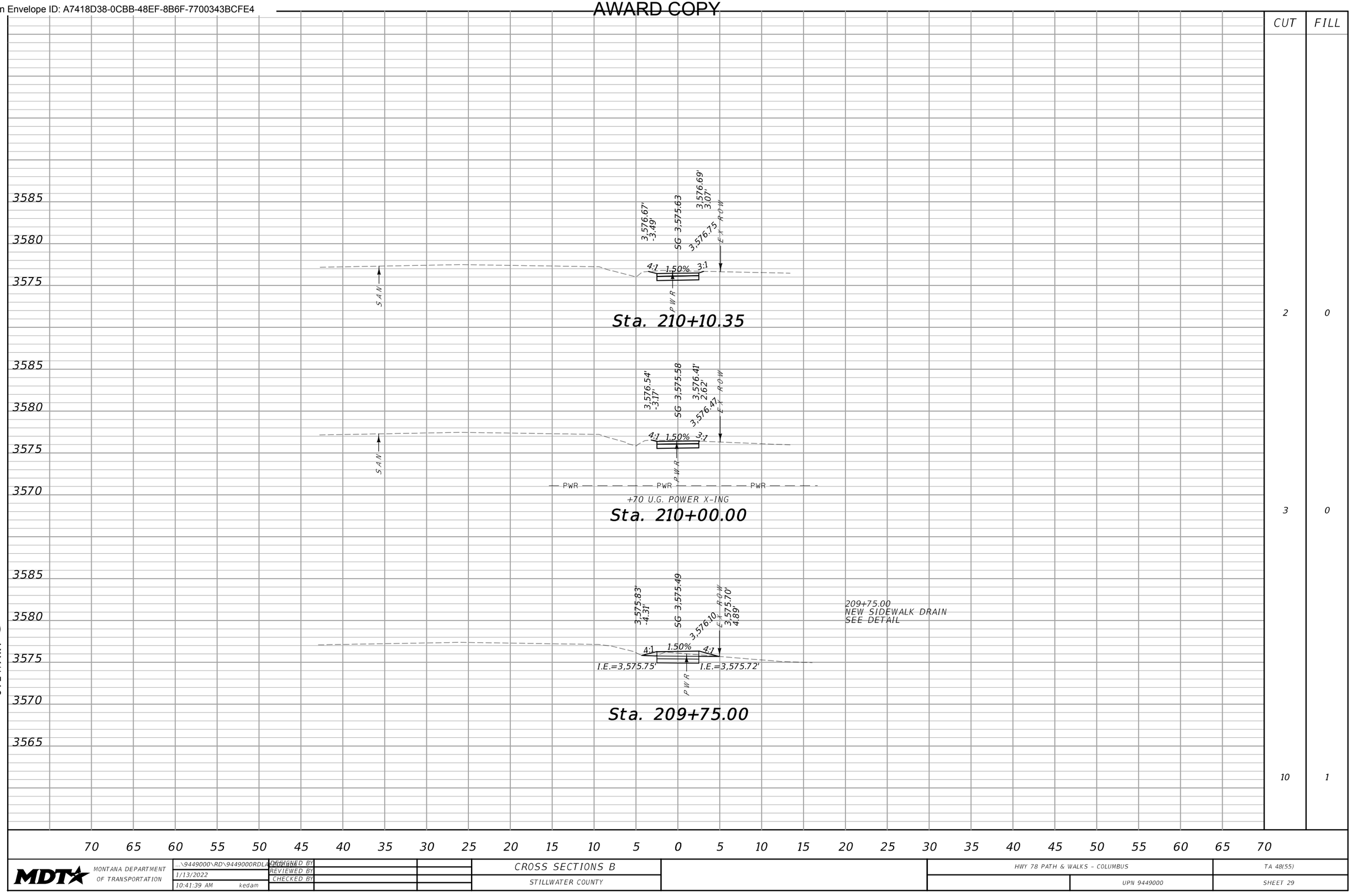
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS / TA 48(55)
1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000 / SHEET 28
10:41:38 AM kedam	CHECKED BY		

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AWARD COPY



CUT	FILL
2	0
3	0
10	1

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAY01.dgn
1/13/2022
10:41:39 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

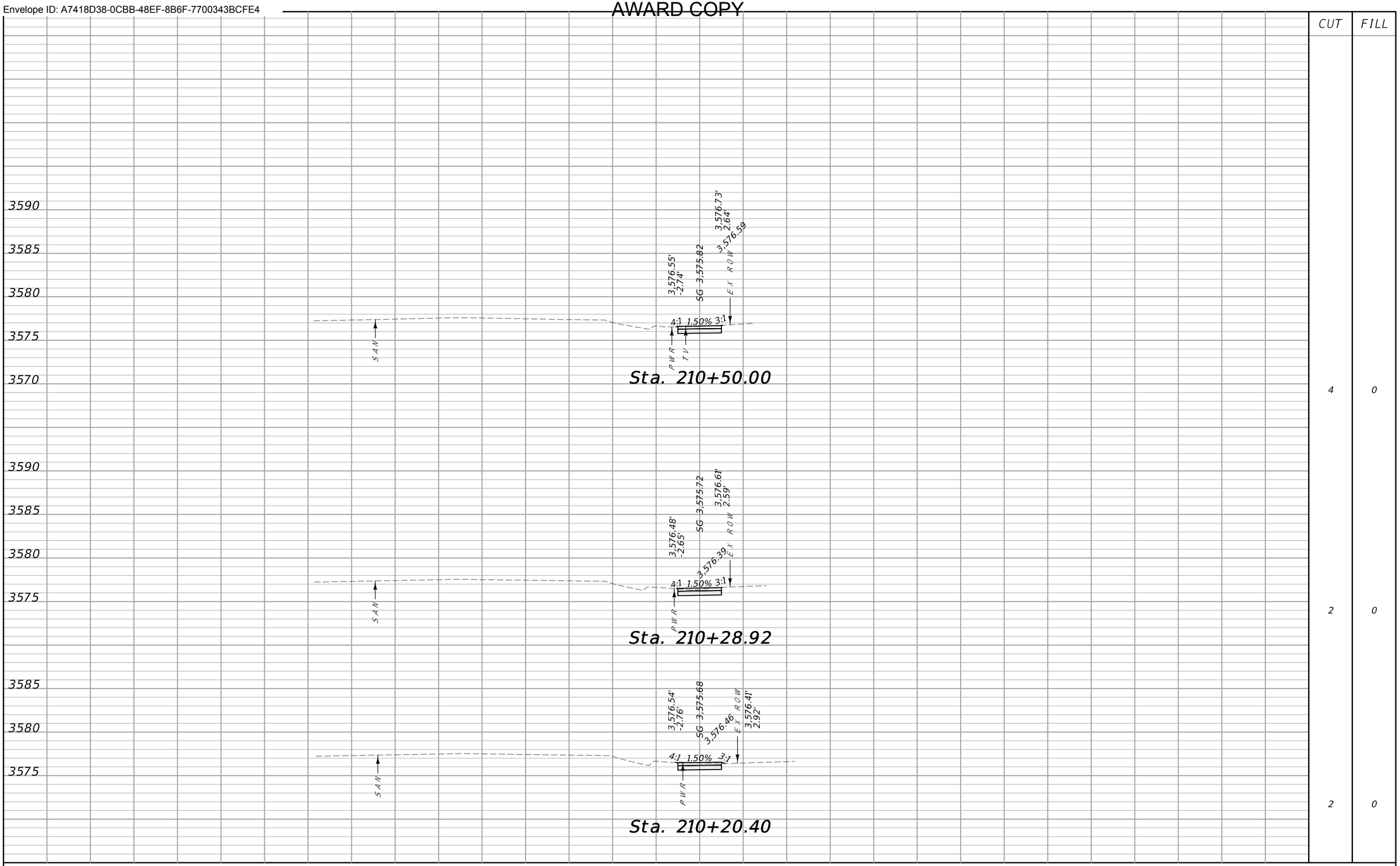
CROSS SECTIONS B
STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS
UPN 9449000

TA 48(55)
SHEET 29

DocuSign Envelope ID: A7418D38-0CBB-48EF-8B6F-7700343BCFE4

AWARD COPY



CUT	FILL
4	0
2	0
2	0

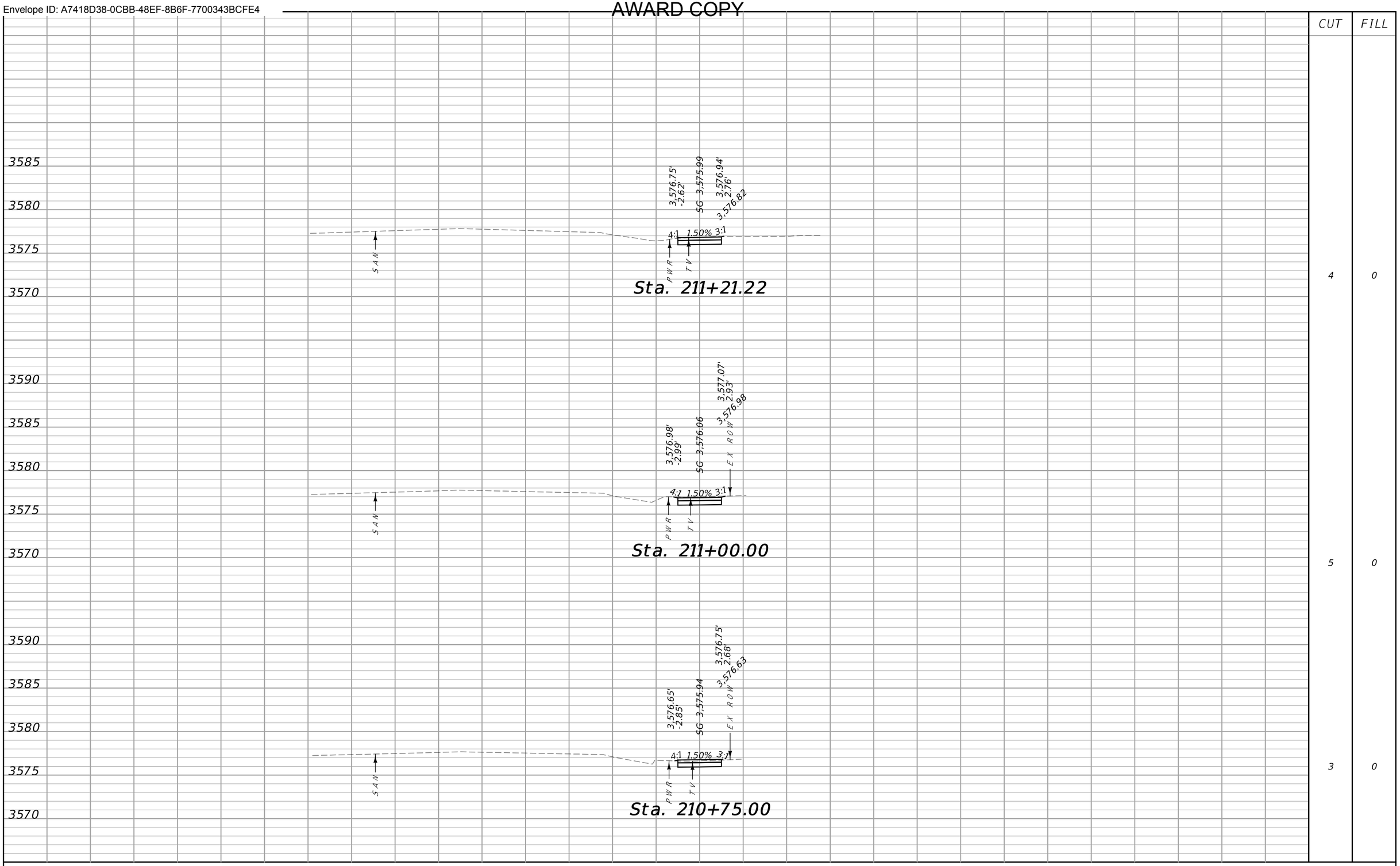
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 30
	10:41:41 AM kedam	CHECKED BY			

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AWARD COPY



CUT	FILL
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5	0
3	0

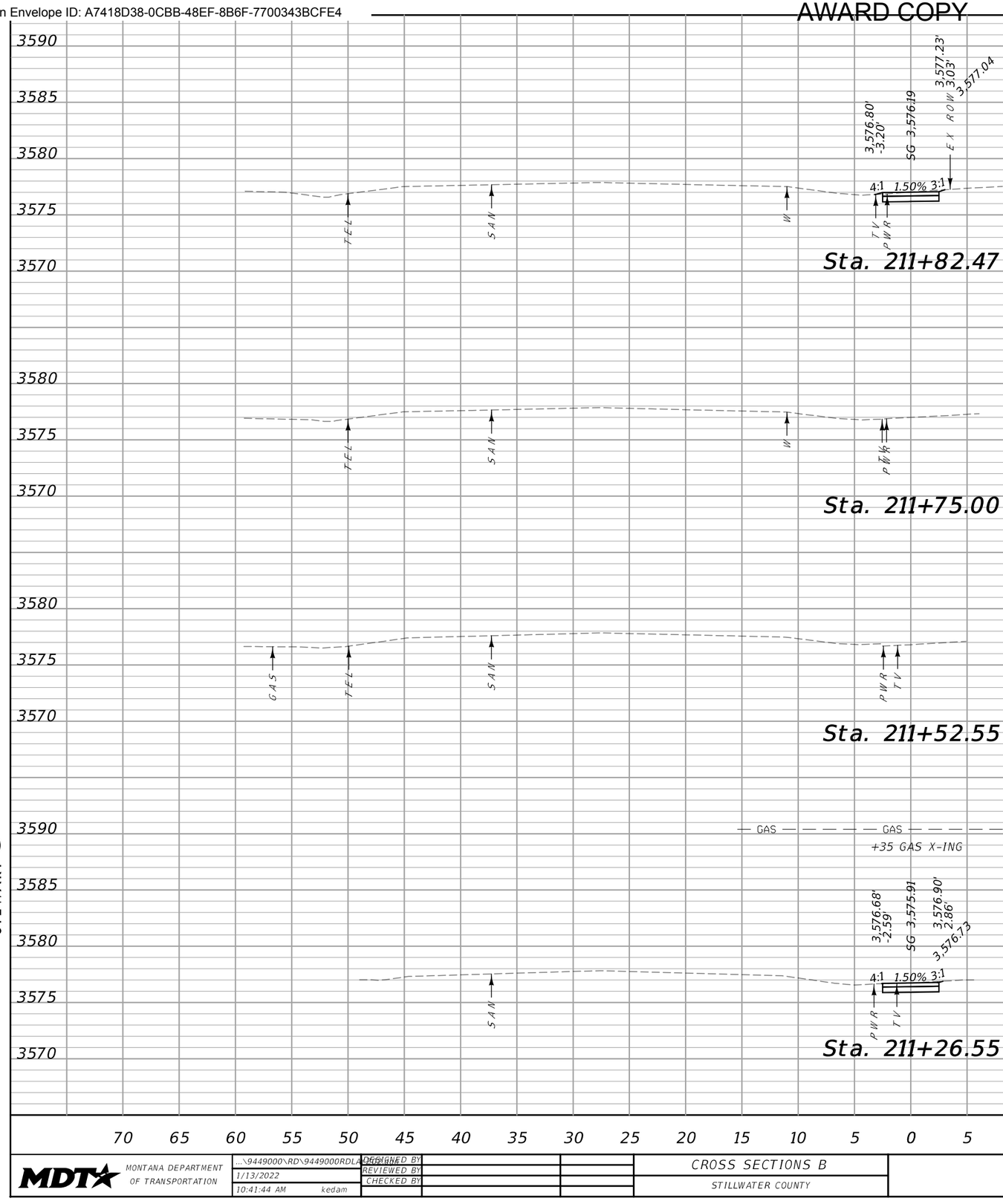
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SANDERSON STEWART

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	1/13/2022	REVIEWED BY				
	10:41:43 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 31

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AWARD COPY



CUT	FILL
9	0
0	0
2	0
4	0

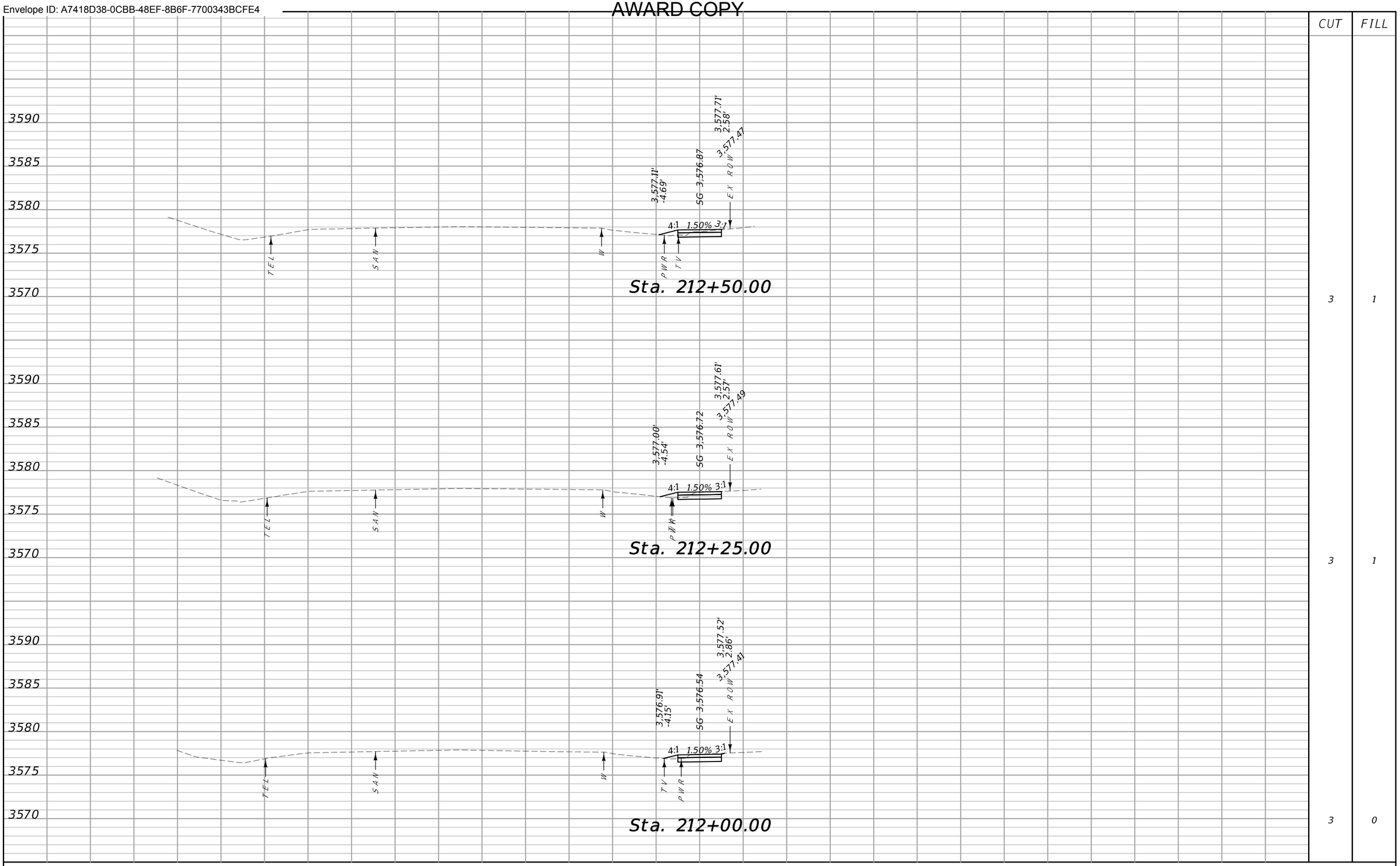
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS / UPN 9449000	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY		SHEET 32
	10:41:44 AM kedam	CHECKED BY				

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AWARD COPY

CUT	FILL
3	1
3	1
3	0



SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY			CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY					
	10:41:46 AM kedam	CHECKED BY			STILLWATER COUNTY	UPN 9449000	SHEET 33

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AWARD COPY

CUT	FILL
2	1
3	1
3	1

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

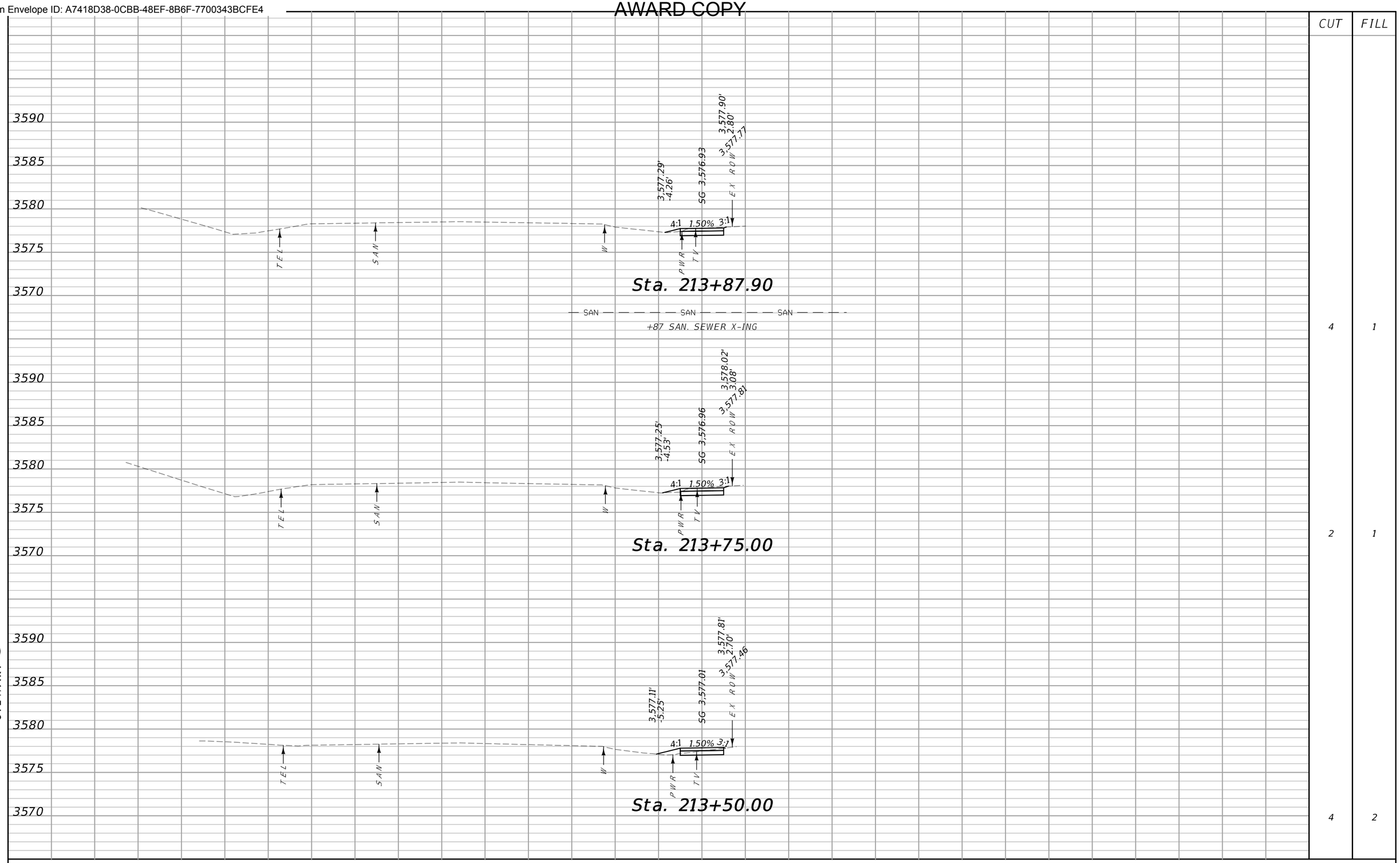
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS / UPN 9449000	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY		SHEET 34
	10:41:48 AM kedam	CHECKED BY				

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AWARD COPY

CUT	FILL
4	1
2	1
4	2



SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dwg 1/13/2022 10:41:49 AM kedam	DESIGNED BY REVIEWED BY CHECKED BY	CROSS SECTIONS B STILLWATER COUNTY		HWY 78 PATH & WALKS - COLUMBUS UPN 9449000	TA 48(55) SHEET 35

DocuSign Envelope ID: A7418D38-0CBB-48EF-8B6F-7700343BCFE4

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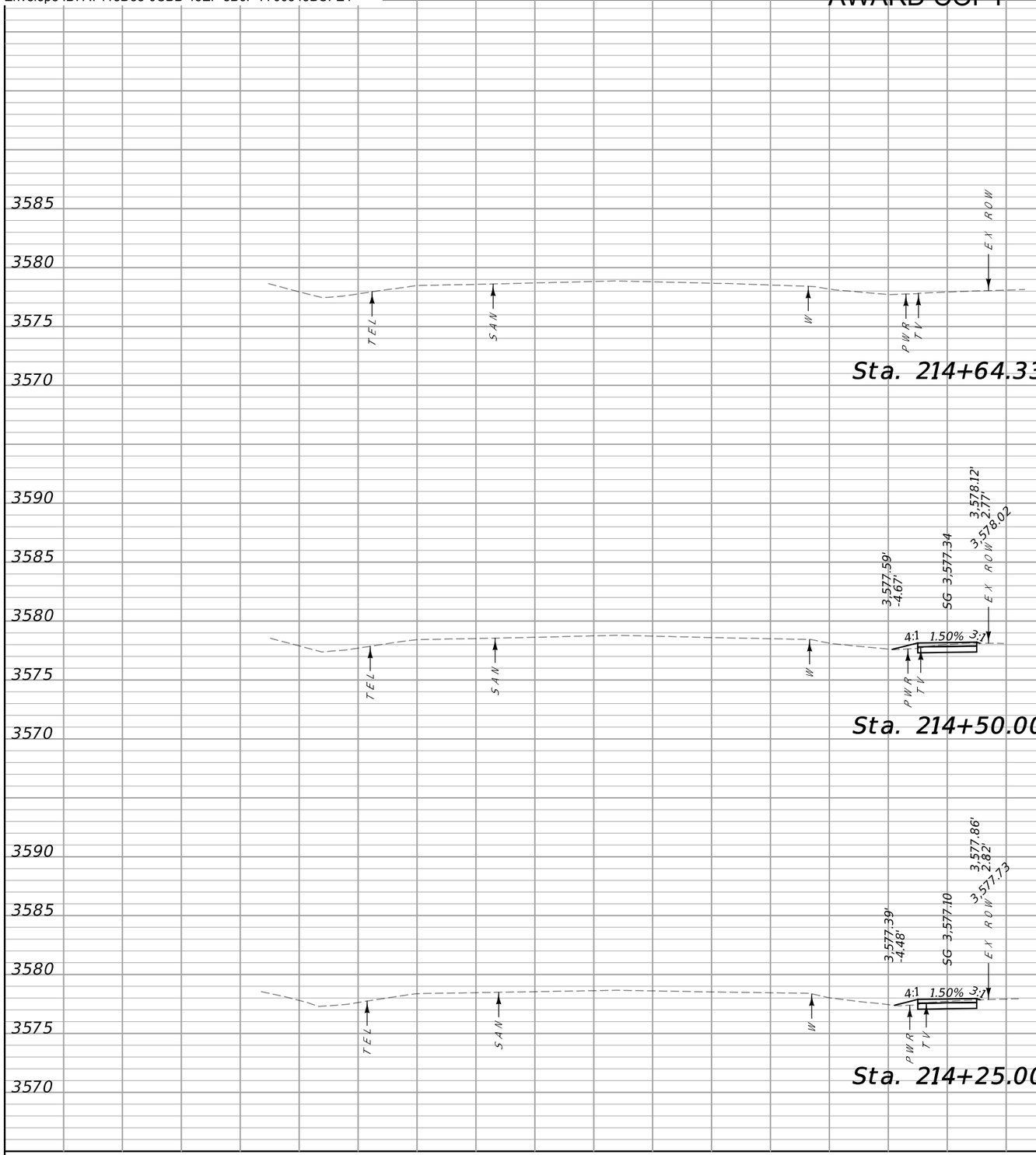
CUT	FILL
1	0
2	0
1	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

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1/13/2022	REVIEWED BY		CROSS SECTIONS B		
10:41:51 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 36

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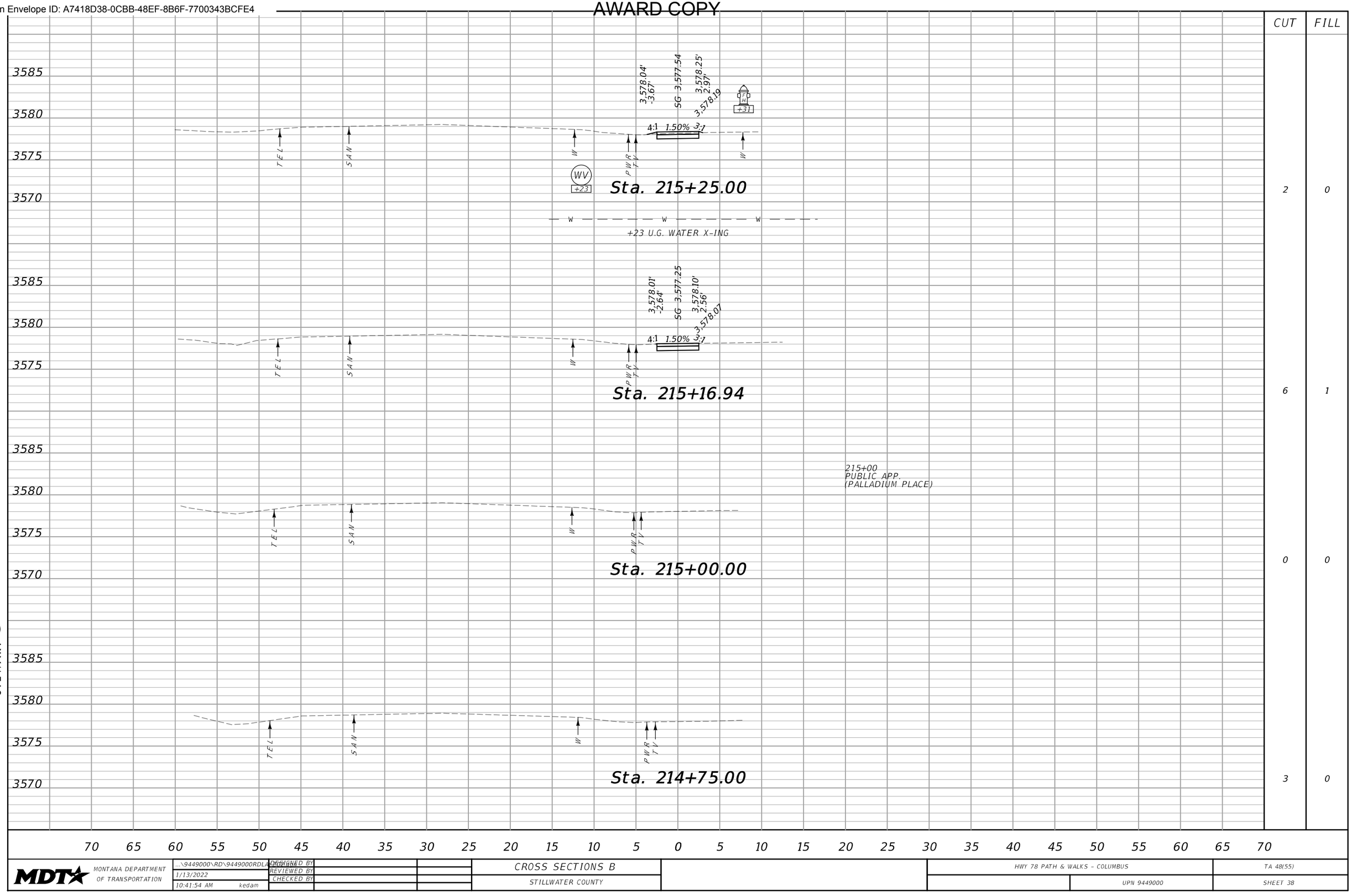
CUT	FILL
1	0
3	0
1	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:41:53 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 37

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AWARD COPY



CUT	FILL
2	0
6	1
0	0
3	0

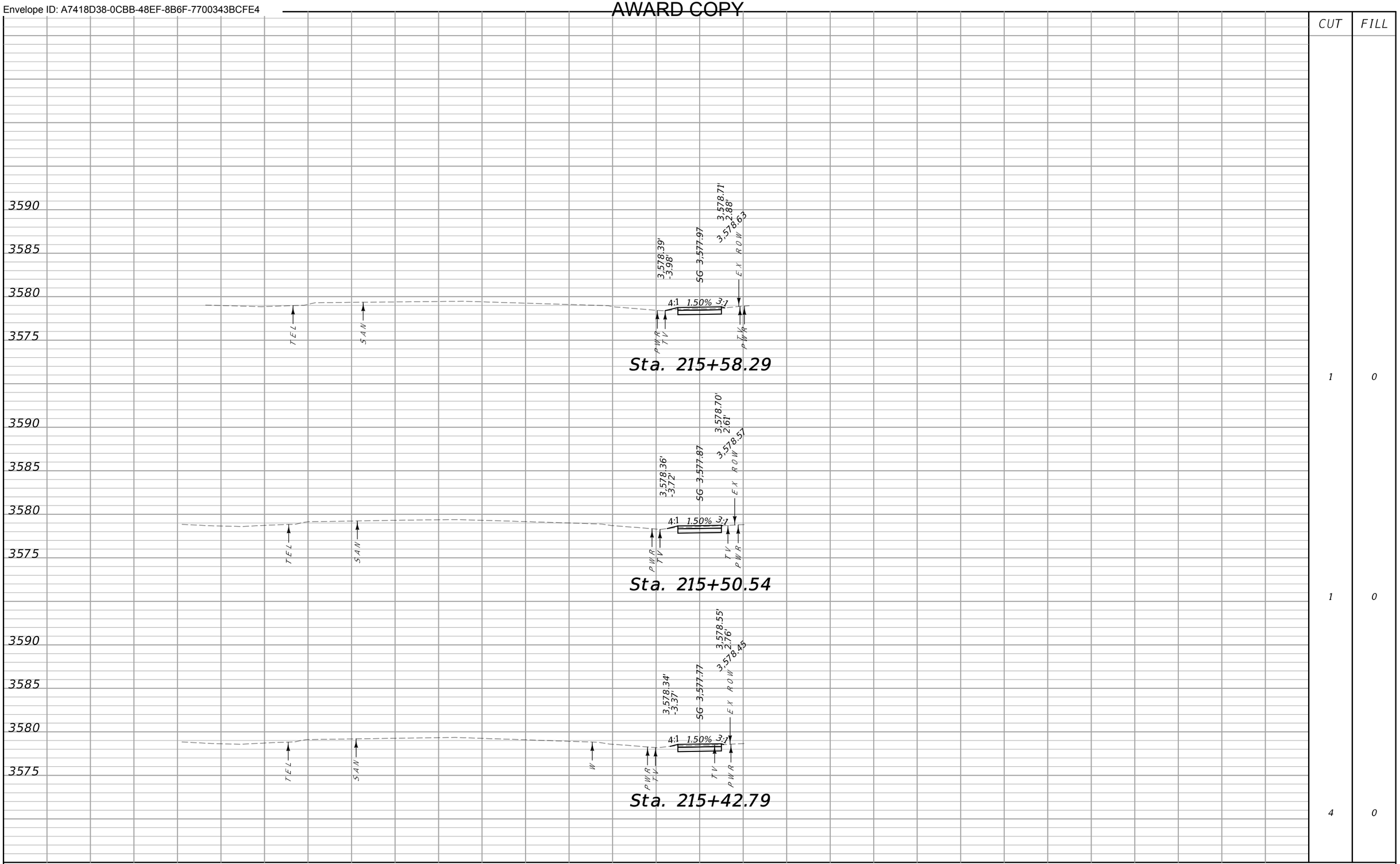
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 38
	10:41:54 AM kedam	CHECKED BY			

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AWARD COPY



CUT	FILL
1	0
1	0
4	0

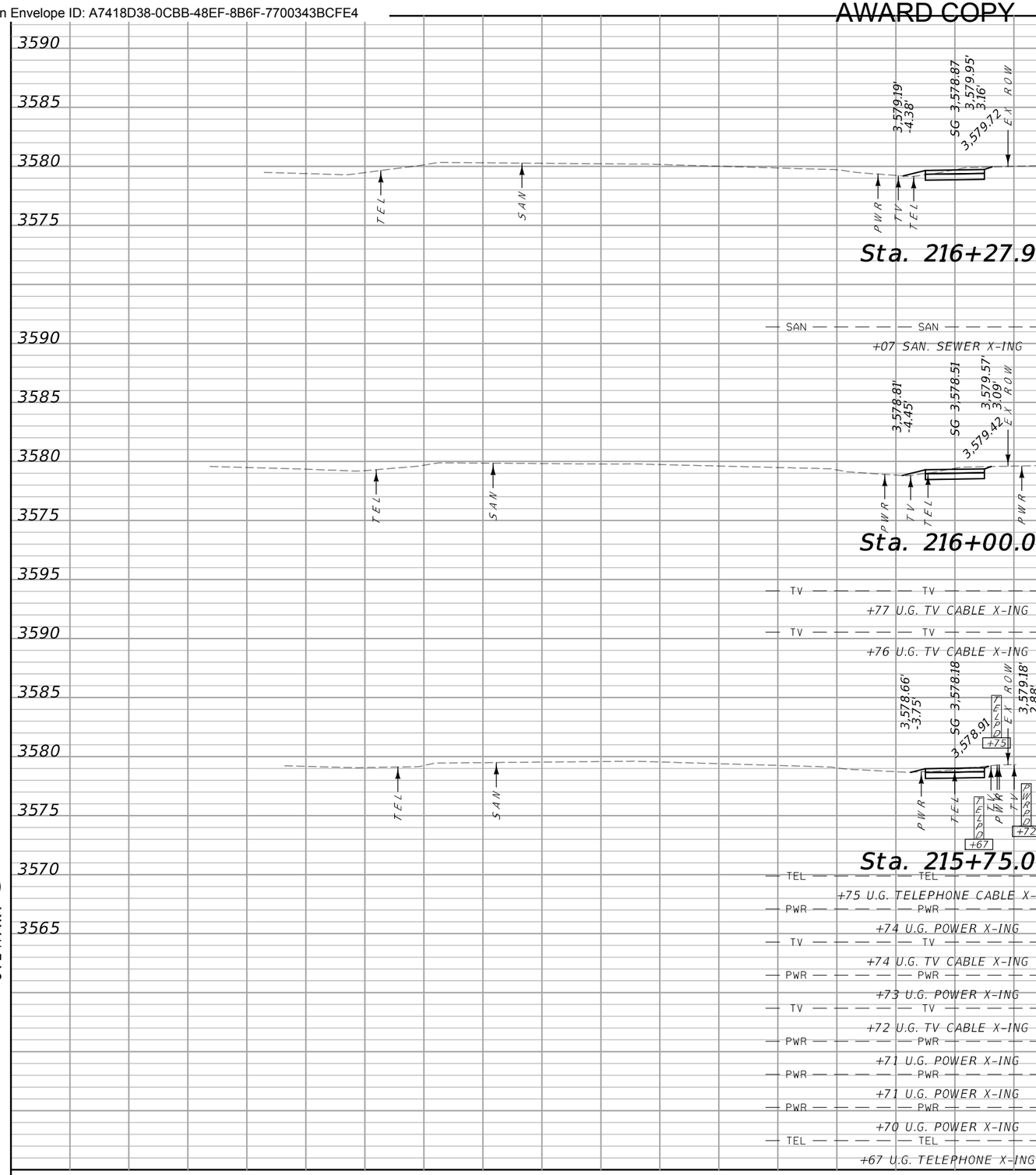
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA02.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 39
	10:41:56 AM kedam	CHECKED BY				

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3	0
3	0

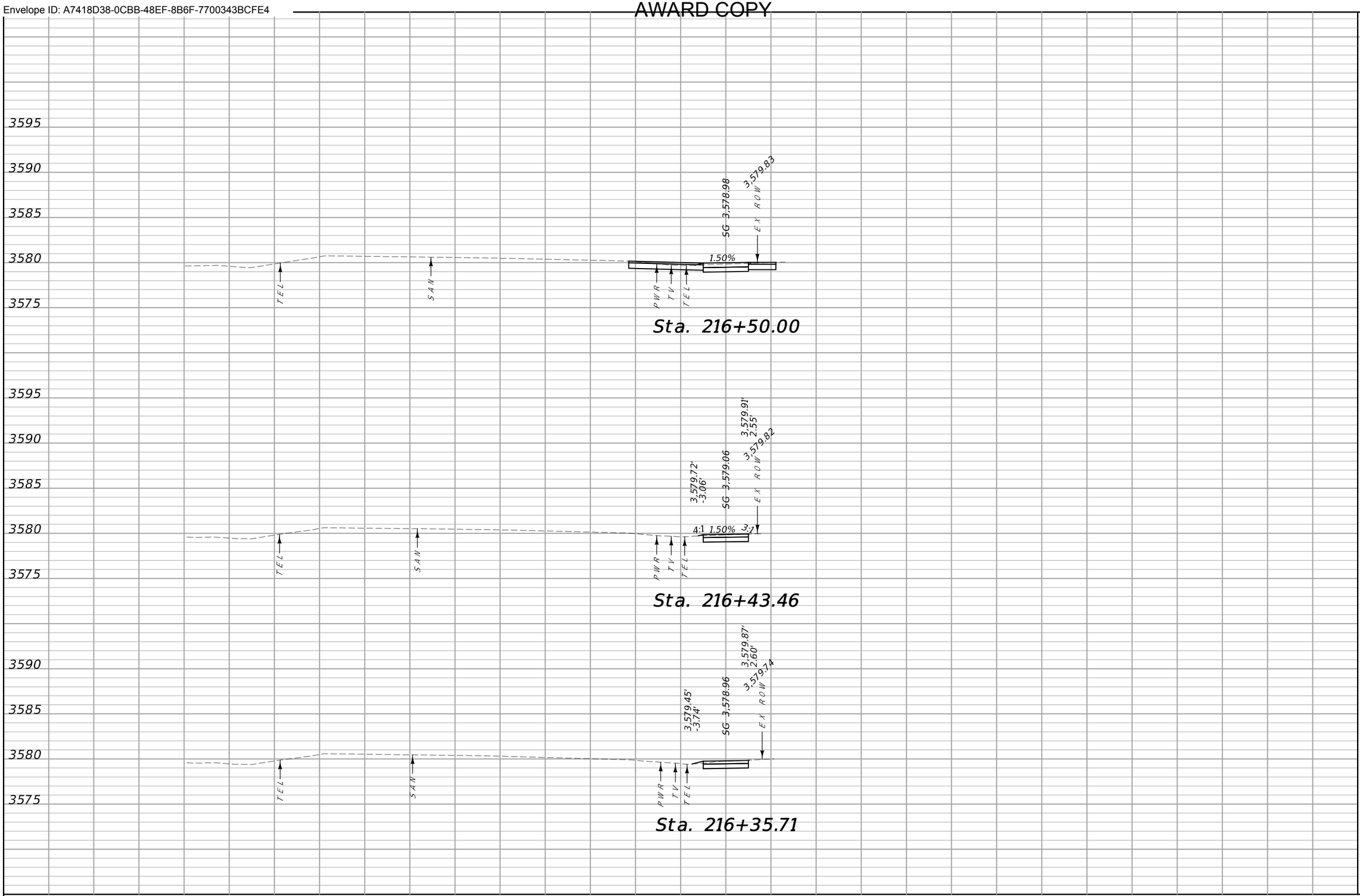
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 40
	10:41:58 AM kedam	CHECKED BY			

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CUT	FILL
1	0
1	0
1	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLA05.dgn
1/13/2022
10:41:59 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

CROSS SECTIONS B

STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS

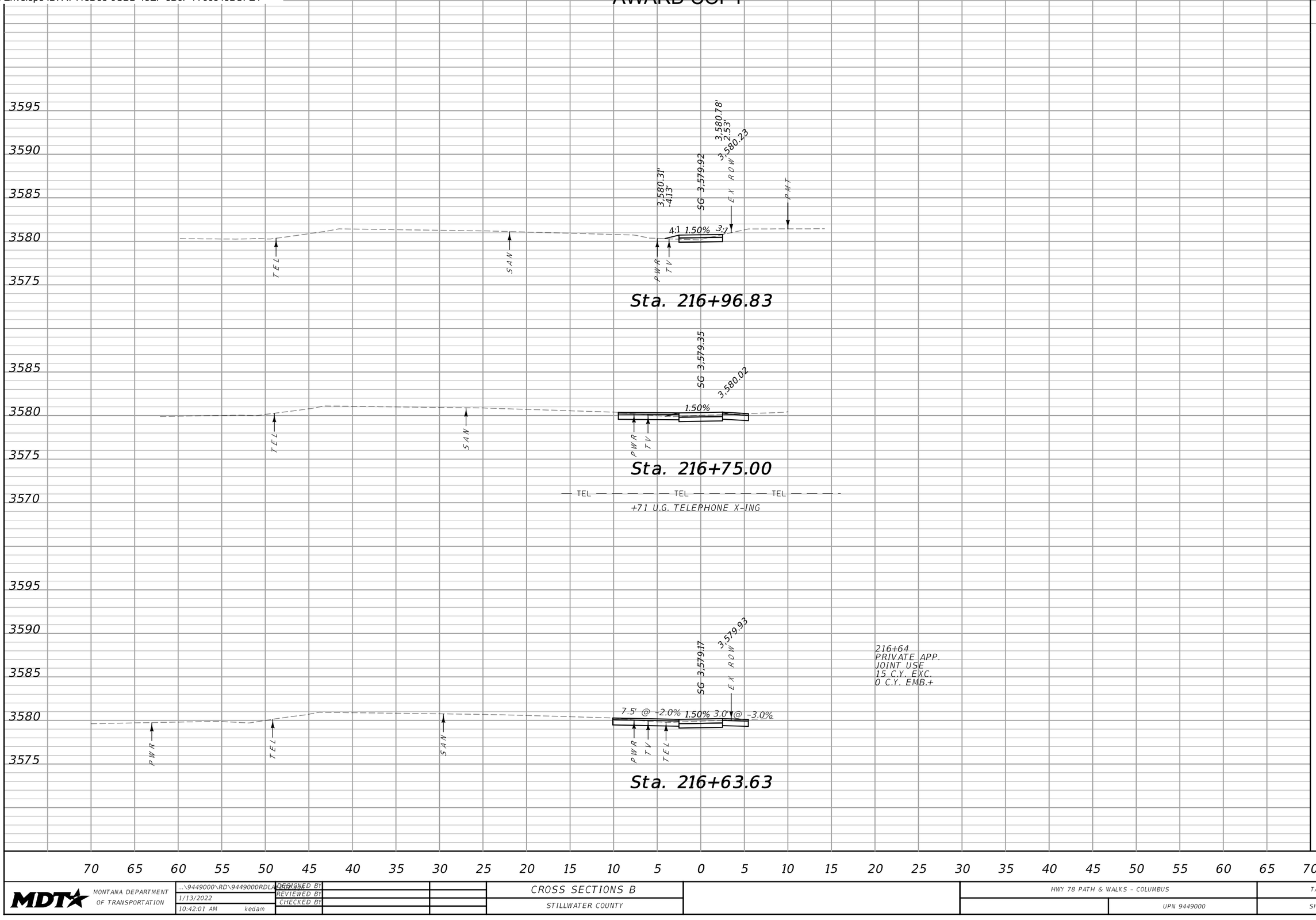
UPN 9449000

TA 48(55)

SHEET 41

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AWARD COPY



CUT	FILL
5	0
4	0
7	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn
1/13/2022
10:42:01 AM kedam

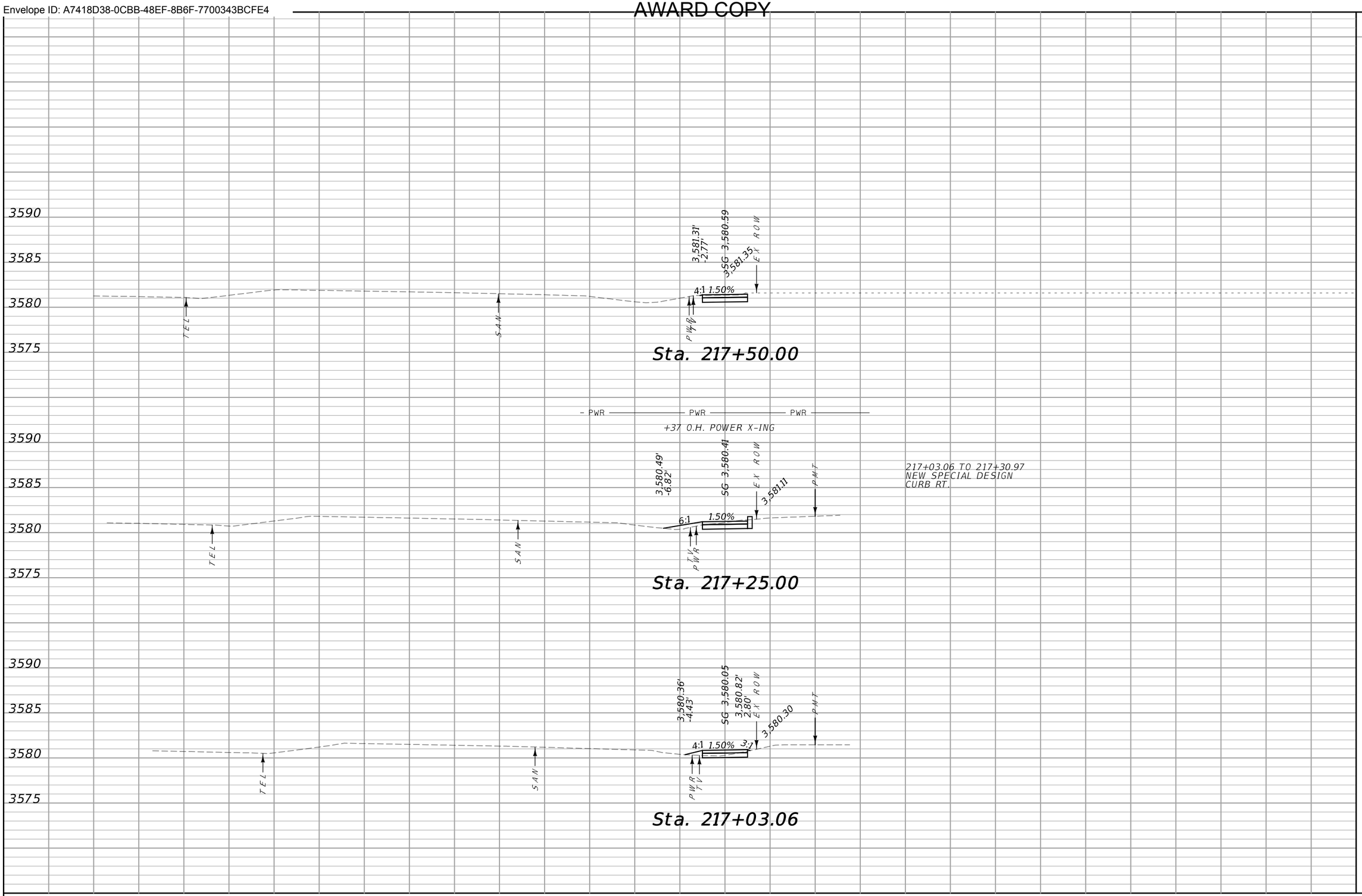
DESIGNED BY
REVIEWED BY
CHECKED BY

CROSS SECTIONS B
STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS
UPN 9449000

TA 48(55)
SHEET 42

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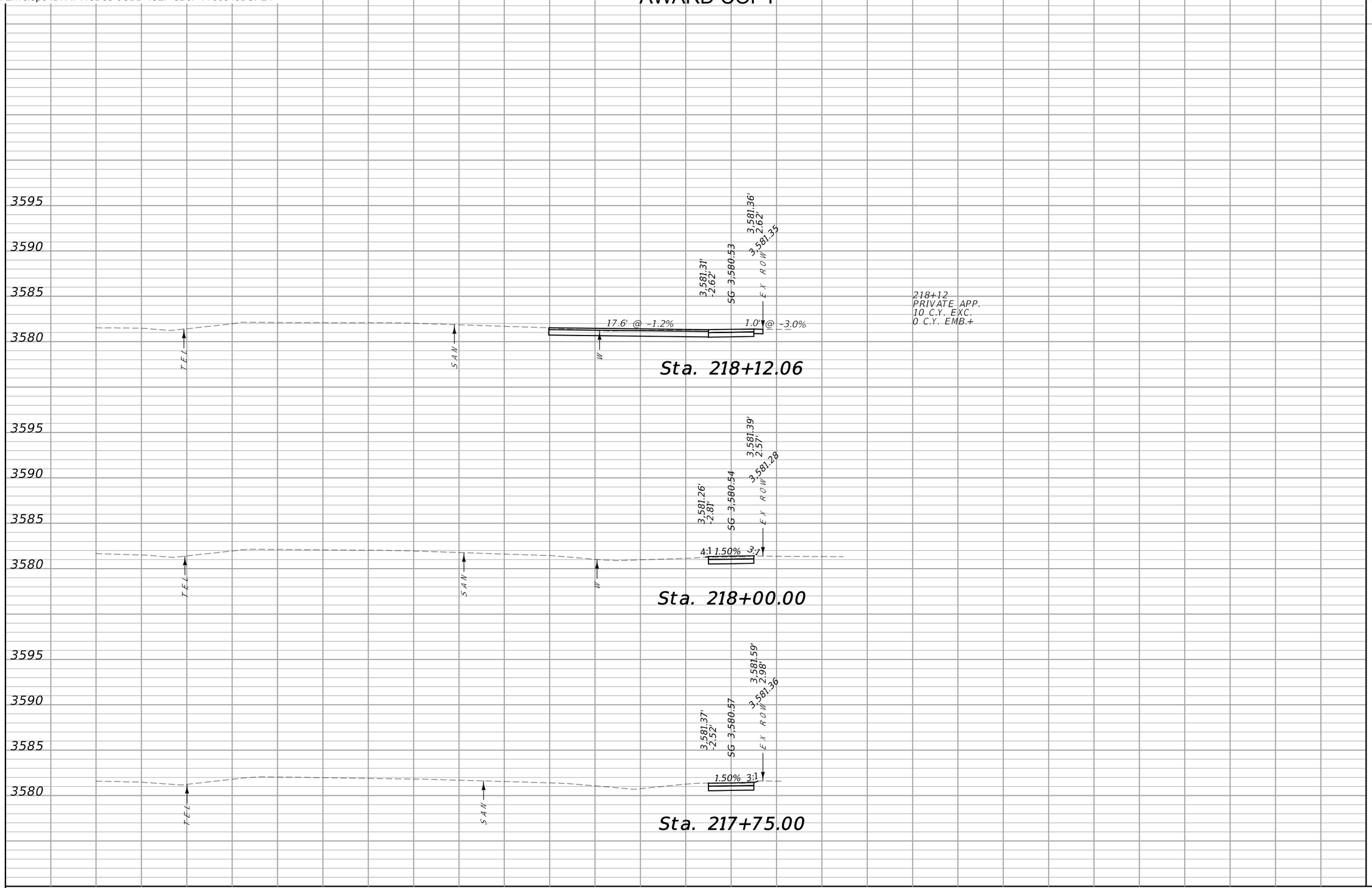
CUT	FILL
3	1
1	0
0	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY	CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS		TA 48(55)
	1/13/2022	REVIEWED BY				
	10:42:03 AM kedam	CHECKED BY	STILLWATER COUNTY		UPN 9449000	SHEET 43

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CUT	FILL
3	0
4	0
3	0

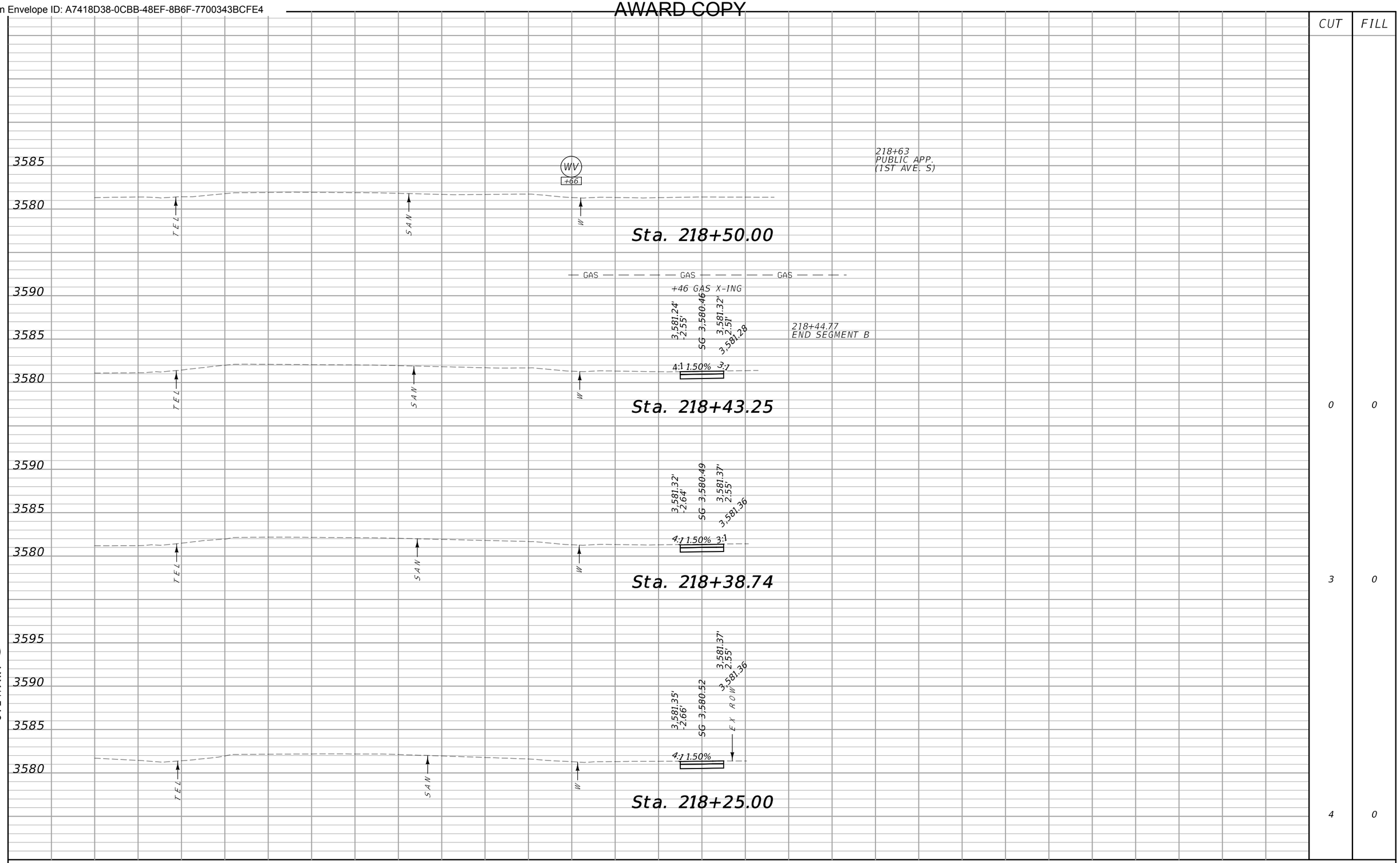
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAD55.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 44
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CUT	FILL
0	0
3	0
4	0



SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS B	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 45
	10:42:06 AM kedam	CHECKED BY				

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CUT	FILL

3595
3590
3585
3580

EX ROW
3,584.27'
4.11'
SG 3,583.21
3,584.19
1.3' @ -7.8%
1.50% 6:1

351+64
PRIVATE SIDEWALK CONNECTION
5 C.Y. EXC.
0 C.Y. EMB.+

W
5' T W

Sta. 351+63.73

3590
3585
3580

3,584.26'
-3.48'
SG 3,583.23
3,584.22'
3.71'
3,584.10
6:1 1.50% 6:1

W
5' T W

Sta. 351+50.00

3590
3585
3580

EX ROW
3,584.10'
-2.57'
SG 3,583.24
3,584.06'
2.62'
3,584.07
1.50%
+43

351+40.21
BEGIN SEGMENT D

WV
+44
WV
+35
+44

5' T W

Sta. 351+40.21

3585
3580
3575
3570

+24

5' T W
W
5' T W
T E L

Sta. 351+25.00

PWR PWR PWR
+24 O.H. POWER X-ING

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn
1/13/2022
10:42:08 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

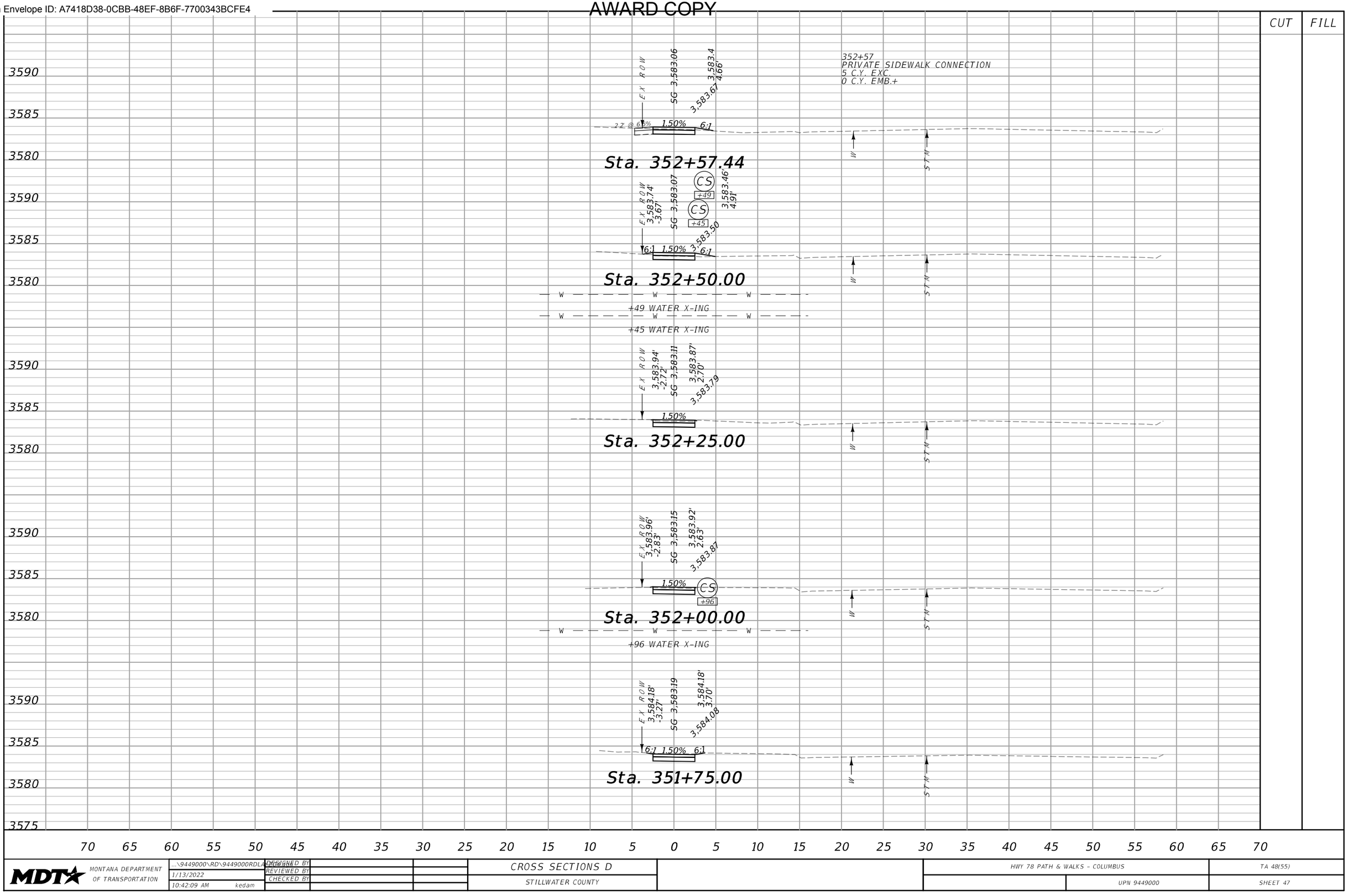
CROSS SECTIONS D
STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS
UPN 9449000

TA 48(55)
SHEET 46

DocuSign Envelope ID: A7418D38-0CBB-48EF-8B6F-7700343BCFE4

CUT	FILL



SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS D	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:42:09 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 47

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AWARD COPY

CUT	FILL

3585
3580
3575
3590
3585
3580
3590
3585
3580
3590
3585
3580

354+76
PUBLIC APP.
(DIAMOND STREET)

STM
STM
W

Sta. 355+00.00

GAS — GAS — GAS

354+61 GAS X-ING

W — W — W

354+57 WATER X-ING

PWR — PWR — PWR

354+48 O.H. POWER X-ING

W — W — W

+77 WATER X-ING

EX ROW

3,583.79

CS
+98

W
STM

Sta. 353+00.00

W — W — W

+98 WATER X-ING

EX ROW
3,583.79'
-3.05'
SG 3,583.02
3,583.5
4.00'
3,583.85

352+83.97 TO 354+47.13
EXISTING SIDEWALK IN GOOD CONDITION
DO NOT DISTURB

6:1 1.50% 6:1

W
STM

Sta. 352+83.97

EX ROW
3,583.76'
-3.33'
SG 3,583.03
3,583.50
1.41'
3,583.57

6:1 1.50% 6:1

W
STM

Sta. 352+75.00

352+70
PRIVATE APP.
10 C.Y. EXC.
0 C.Y. EMB.+

EX ROW
SG 3,583.04
3,583.62

2.2' @ 6.0% 1.50% 11.9' @ -4.4%

W
STM

Sta. 352+69.63

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

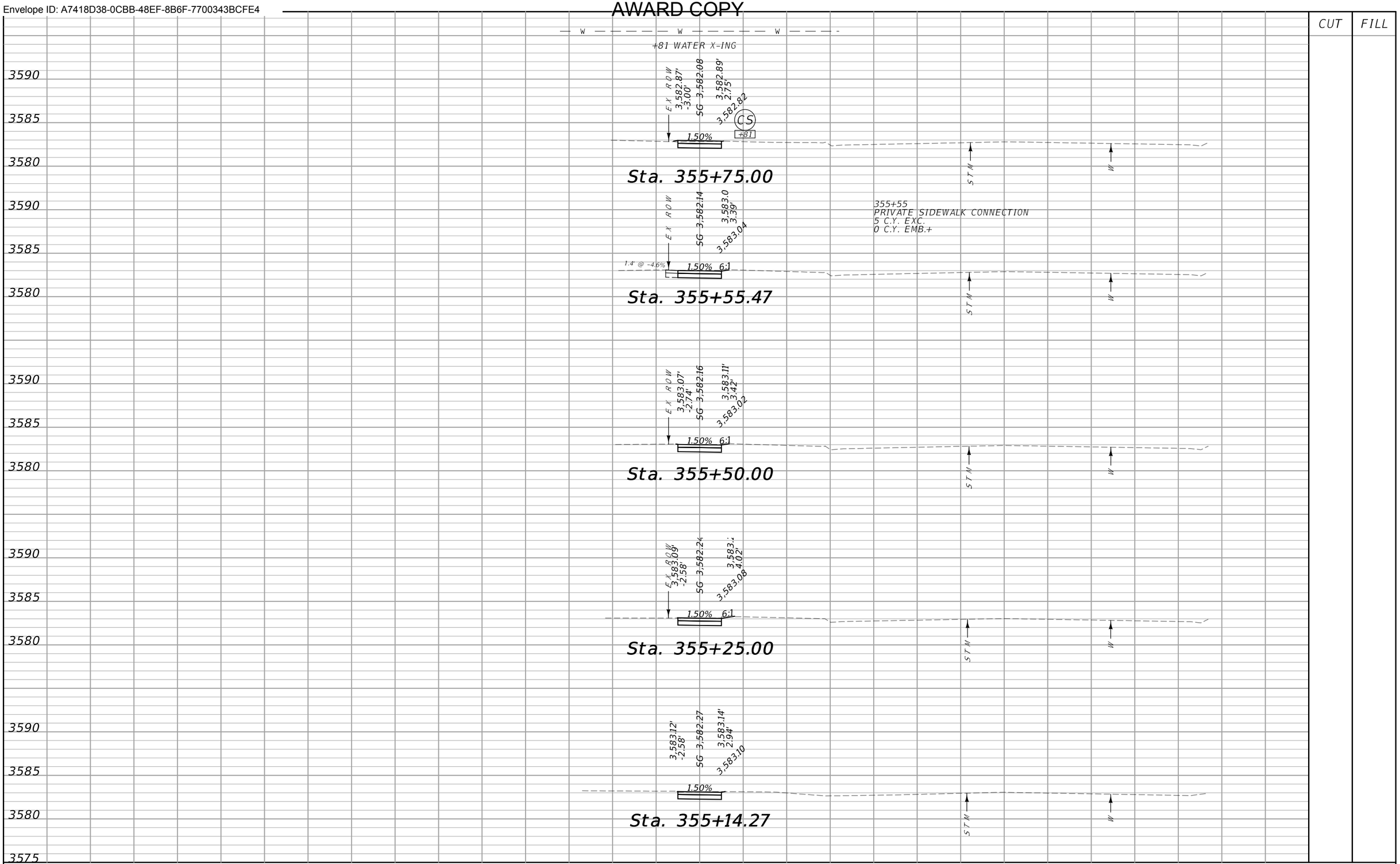
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY			CROSS SECTIONS D	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY					
	10:42:10 AM kedam	CHECKED BY			STILLWATER COUNTY	UPN 9449000	SHEET 48

DocuSign Envelope ID: A7418D38-0CBB-48EF-8B6F-7700343BCFE4

AWARD COPY

CUT	FILL

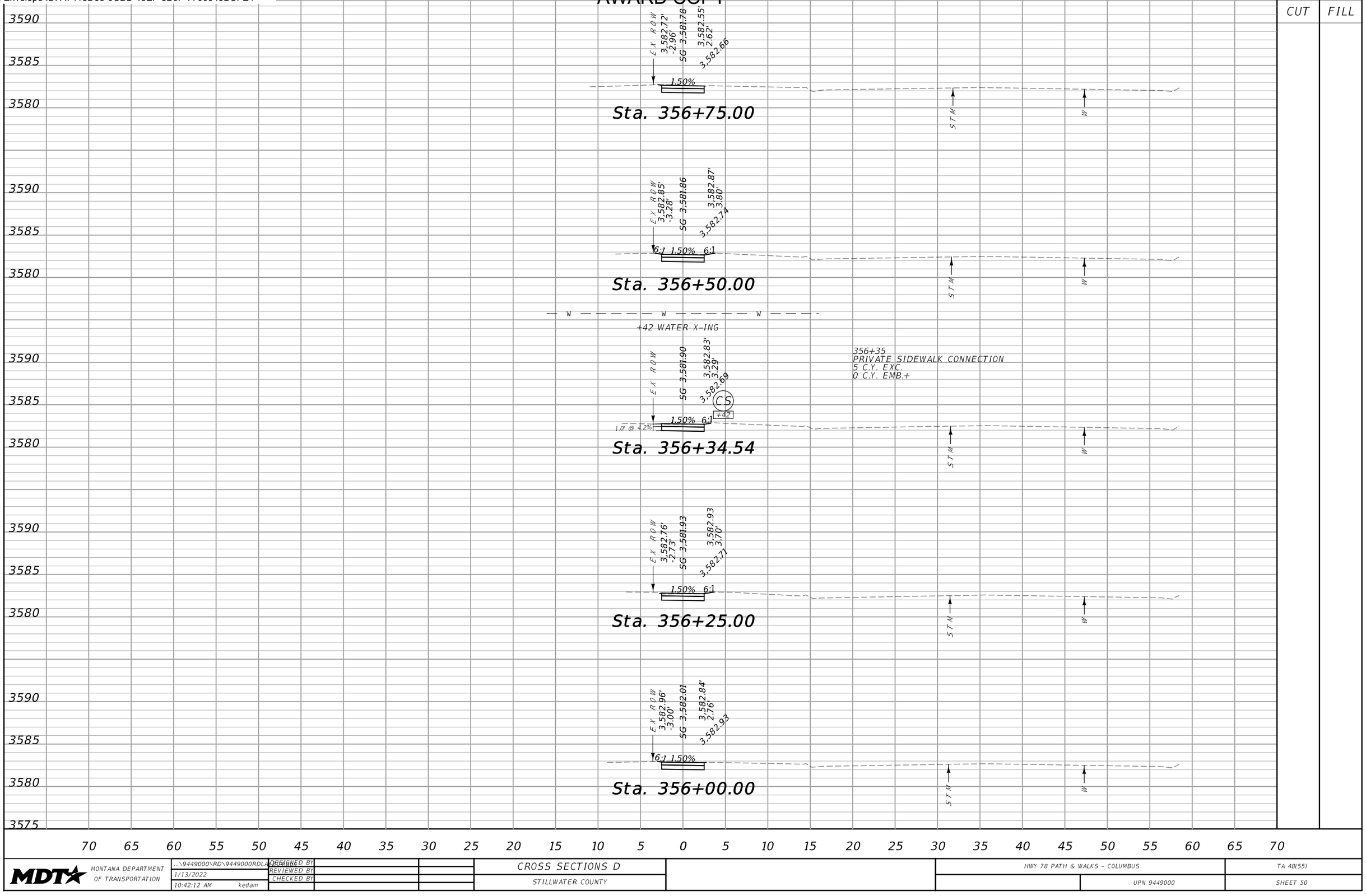


SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY			CROSS SECTIONS D	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY					
	10:42:11 AM kedam	CHECKED BY			STILLWATER COUNTY	UPN 9449000	SHEET 49

DocuSign Envelope ID: A7418D38-0CBB-48EF-8B6F-7700343BCFE4

CUT	FILL



SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY			CROSS SECTIONS D	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY			STILLWATER COUNTY	UPN 9449000	SHEET 50
	10:42:12 AM kedam	CHECKED BY					

DocuSign Envelope ID: A7418D38-0CBB-48EF-8B6F-7700343BCFE4

CUT	FILL

3595
3590
3585
3580

EX ROW
3,582.31'
-2.70'
SG 3,581.48
3,582.21'
2.88'
3,582.25
1.50%
STW
W

Sta. 357+75.00

3590
3585
3580

357+47
PRIVATE SIDEWALK CONNECTION
5 C.Y. EXC.
0 C.Y. EMB.+

EX ROW
SG 3,581.56
3,582.28'
2.94'
3,582.23
1.50%
1.1' @ 7.5%
STW
W

Sta. 357+47.10

W W W
+26 WATER X-ING

3590
3585
3580

EX ROW
3,582.44'
-2.85'
SG 3,581.63
3,582.37'
2.79'
3,582.30
CS
+26
1.50%
W
STW
W

Sta. 357+25.00

3590
3585
3580

EX ROW
3,582.56'
-2.54'
SG 3,581.70
3,582.45'
2.77'
3,582.46
1.50%
CS
+92
STW
W

Sta. 357+00.00

W W W
+92 WATER X-ING

3575

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS D	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 51
	10:42:13 AM kedam	CHECKED BY				

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AWARD COPY

CUT	FILL

3595
3590
3585
3580

3,582.19'
-2.53'
SG 3,581.33
3,582.13'
2.57'
3,582.16
1.50%
Sta. 358+88.19
W

3590
3585
3580

358+56
PUBLIC APP.
(ALLEN STREET)
MH
STRM
+62
S T M
W
Sta. 358+75.00

3585
3580

MH
STRM
+29
S T M
W
Sta. 358+25.00

3,582.22'
-2.52'
SG 3,581.35
3,582.13'
2.55'
3,582.18
1.50%
S T M
W
Sta. 358+16.20

3590
3585
3580
3575

EX ROW
3,582.24'
-2.63'
SG 3,581.40
3,582.22'
2.69'
3,582.24
1.50%
S T M
W
Sta. 358+00.00

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS D	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:42:14 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 52

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CUT	FILL

3595
3590
3585
3580

EX ROW
SG 3,580.87
3,581.84'
3.53'
3,581.75
0.8' @ -11.7%
1.50%

359+72
PRIVATE SIDEWALK CONNECTION
5 C.Y. EXC.
0 C.Y. EMB.+

W

Sta. 359+72.32

3590
3585
3580

EX ROW
SG 3,580.92
3,581.82
0.8' @ -8.1%
1.50%
12.0' @ -3.8%

359+63
PRIVATE APP.
5 C.Y. EXC.
0 C.Y. EMB.+

W

Sta. 359+63.27

W W W

+55 WATER X-ING

3590
3585
3580

EX ROW
SG 3,580.98
3,581.83'
2.99'
3,581.79
CS
+54
0.8' @ 4.4%
1.50%

359+52
PRIVATE SIDEWALK CONNECTION
5 C.Y. EXC.
0 C.Y. EMB.+

W

Sta. 359+52.30

3590
3585
3580
3575

EX ROW
SG 3,581.12
3,582.06
0.8' @ -6.1%
1.50%
4.4' @ -0.4%

359+26
PRIVATE SIDEWALK CONNECTION
5 C.Y. EXC.
0 C.Y. EMB.+

W

Sta. 359+25.68

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS D	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 53
	10:42:15 AM kedam	CHECKED BY				

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CUT	FILL

3595
3590
3585
3580

EX ROW

W

Sta. 360+50.00

3590
3585
3580

EX ROW

W

Sta. 360+25.00

W — W — W

+12 WATER X-ING

3590
3585
3580

EX ROW
3,581.54'
-2.51'
SG 3,580.67
3,581.46'
2.51'
3,581.50

CS
+12

1.50%

W

360+09.38 TO 360+78.46
EXISTING SIDEWALK IN GOOD CONDITION
DO NOT DISTURB

Sta. 360+09.38

3590
3585
3580

EX ROW
3,581.58'
-2.54'
SG 3,580.72
3,581.52'
2.54'
3,581.56

CS
+94

1.50%

W

Sta. 360+00.00

3575

W — W — W

+94 WATER X-ING

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

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MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY	CROSS SECTIONS D		HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
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CUT	FILL

3595
3590
3585
3580

EX ROW
3,581.38'
-2.90'
SG 3,580.37
3,581.24'
2.93'
3,581.28

1.50%

W

Sta. 361+25.00

W W W

+04 WATER X-ING

3590
3585
3580

EX ROW
3,581.38'
-2.88'
SG 3,580.39
3,581.34'
3.46'
3,581.30

CS +4

1.50% 6:1

W

Sta. 361+00.00

3590
3585
3580
3575

360+88
PRIVATE SIDEWALK CONNECTION
5 C.Y. EXC.
0 C.Y. EMB.+

EX ROW
SG 3,580.40
3,581.32

2.1' @ -7.5%
1.50%
3.0' @ 2.4%

W

Sta. 360+87.82

EX ROW
3,581.27'
-2.50'
SG 3,580.40
3,581.35
3.44'
3,581.23

1.50% 6:1

W

Sta. 360+78.46

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY			CROSS SECTIONS D	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY			STILLWATER COUNTY	UPN 9449000	SHEET 55
	10:42:17 AM kedam	CHECKED BY					

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AWARD COPY

CUT	FILL

3585
3580
3575

Sta. 362+00.00

W

3585
3580
3575

3,581.19'
-2.60'
SG 3,580.33
3,581.15'
2.63'
3,581.16

1.50%

361+97.50
END SEGMENT D

Sta. 361+97.50

WV +94
W
WV +96
FO +96

3585
3580
3575

EX R/W
3,581.19'
-2.74'
SG 3,580.35
3,581.15'
2.60'
3,581.18

0.7' @ -3.2%
1.50%

361+72
PRIVATE SIDEWALK CONNECTION
5 C.Y. EXC.
0 C.Y. EMB.+

Sta. 361+72.00

W

3585
3580
3575

EX R/W
3,581.19'
-2.74'
SG 3,580.36
3,581.32'
3.51'
3,581.10

1.50% 6:1

CS +48

Sta. 361+50.00

W W W

+48 WATER X-ING

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLA05.dgn
1/13/2022
10:42:18 AM kedam

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REVIEWED BY
CHECKED BY

CROSS SECTIONS D
STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS
UPN 9449000

TA 48(55)
SHEET 56

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CUT	FILL
4	0
4	0
0	0

3595
3590
3585
3580
3575

EX ROW 3,581.59' -2.97'
SG 3,580.56 3,581.46' 2.82'
3,581.45
3:1 1.50% 3:1
W
Sta. 412+00.00

3585
3580
3575

EX ROW 3,581.41' -2.77'
SG 3,580.45 3,581.30' 2.68'
3,581.33
3:1 1.50% 3:1
W
Sta. 411+75.00

3585
3580
3575

3,581.19' -2.54'
SG 3,580.33 3,581.15' 2.57'
3,581.16
411+49.19
BEGIN SEGMENT E
3:1 1.50% 3:1
+38
CS +41
CS +41
W
W
Sta. 411+49.19

3585
3580
3575

W
STM
W
WV +5
MH STRM +10
STM
Sta. 411+25.00

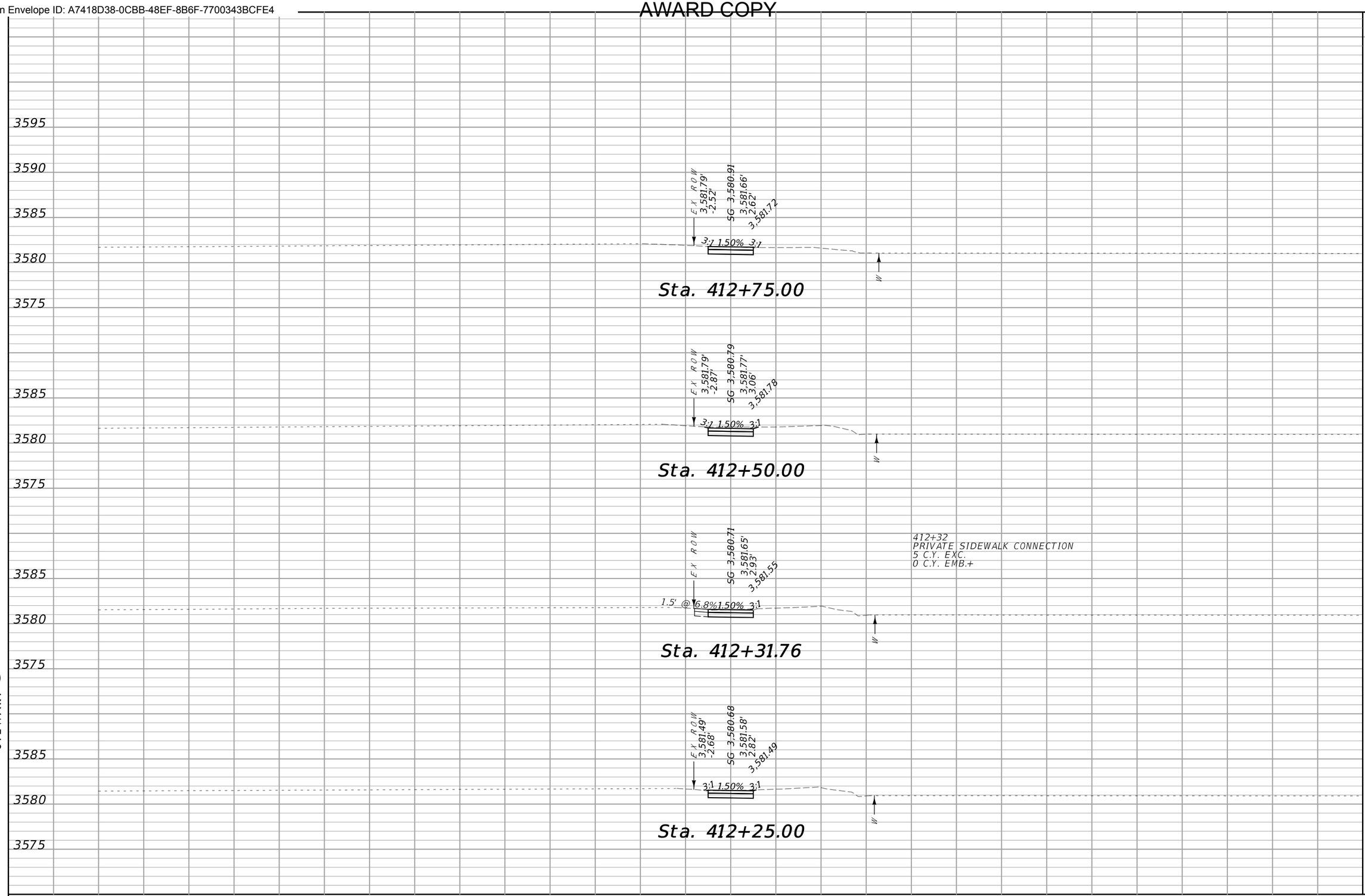
70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn 1/13/2022 10:42:23 AM kedam	DESIGNED BY REVIEWED BY CHECKED BY		CROSS SECTIONS E STILLWATER COUNTY	HWY 78 PATH & WALKS – COLUMBUS UPN 9449000	TA 48(55) SHEET 57

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AWARD COPY



CUT	FILL
4	0
3	0
1	0
4	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn
1/13/2022
10:42:27 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

CROSS SECTIONS E

STILLWATER COUNTY

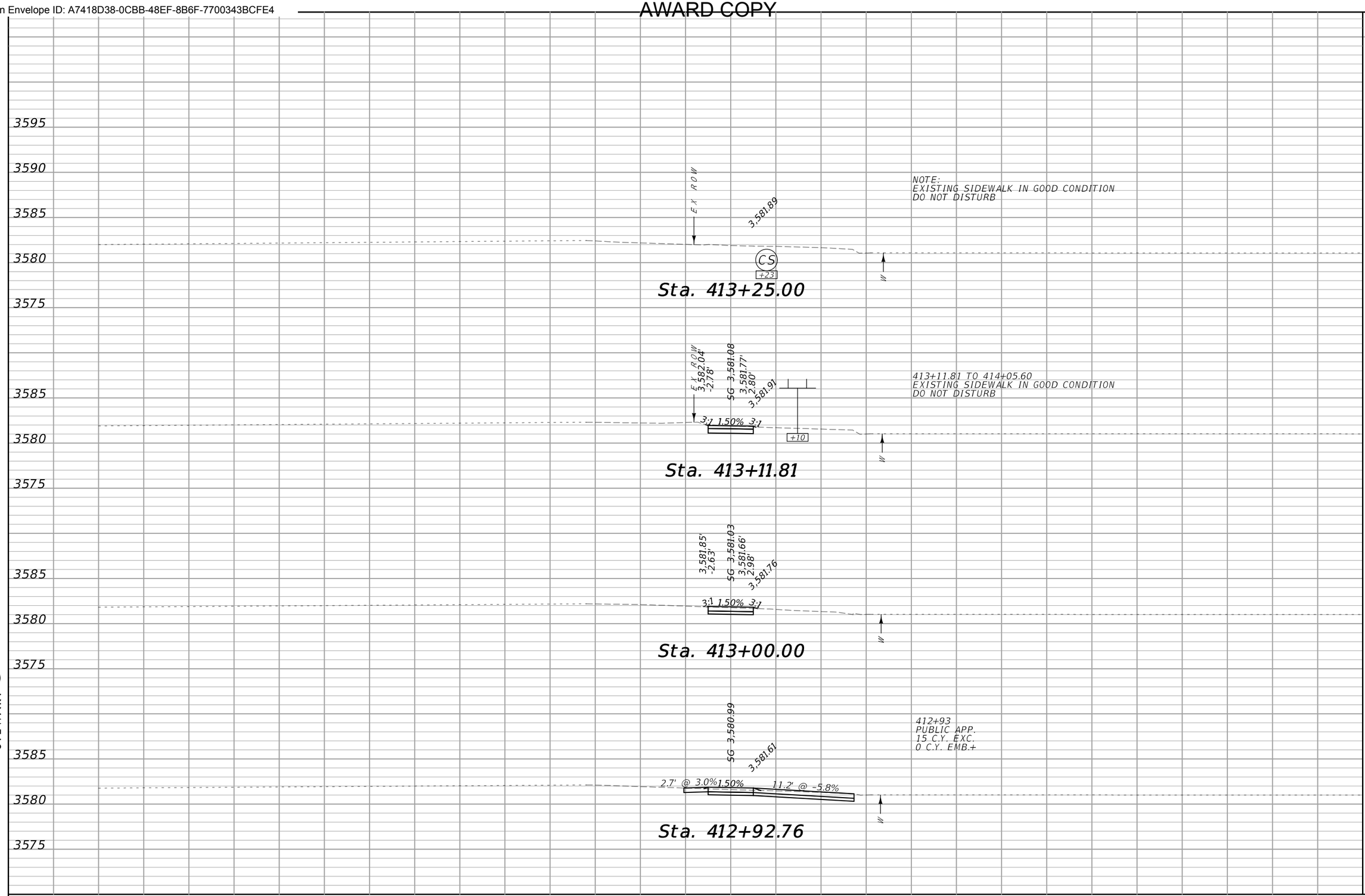
HWY 78 PATH & WALKS - COLUMBUS

UPN 9449000

TA 48(55)

SHEET 58

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CUT	FILL
2	0
1	0
2	0

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

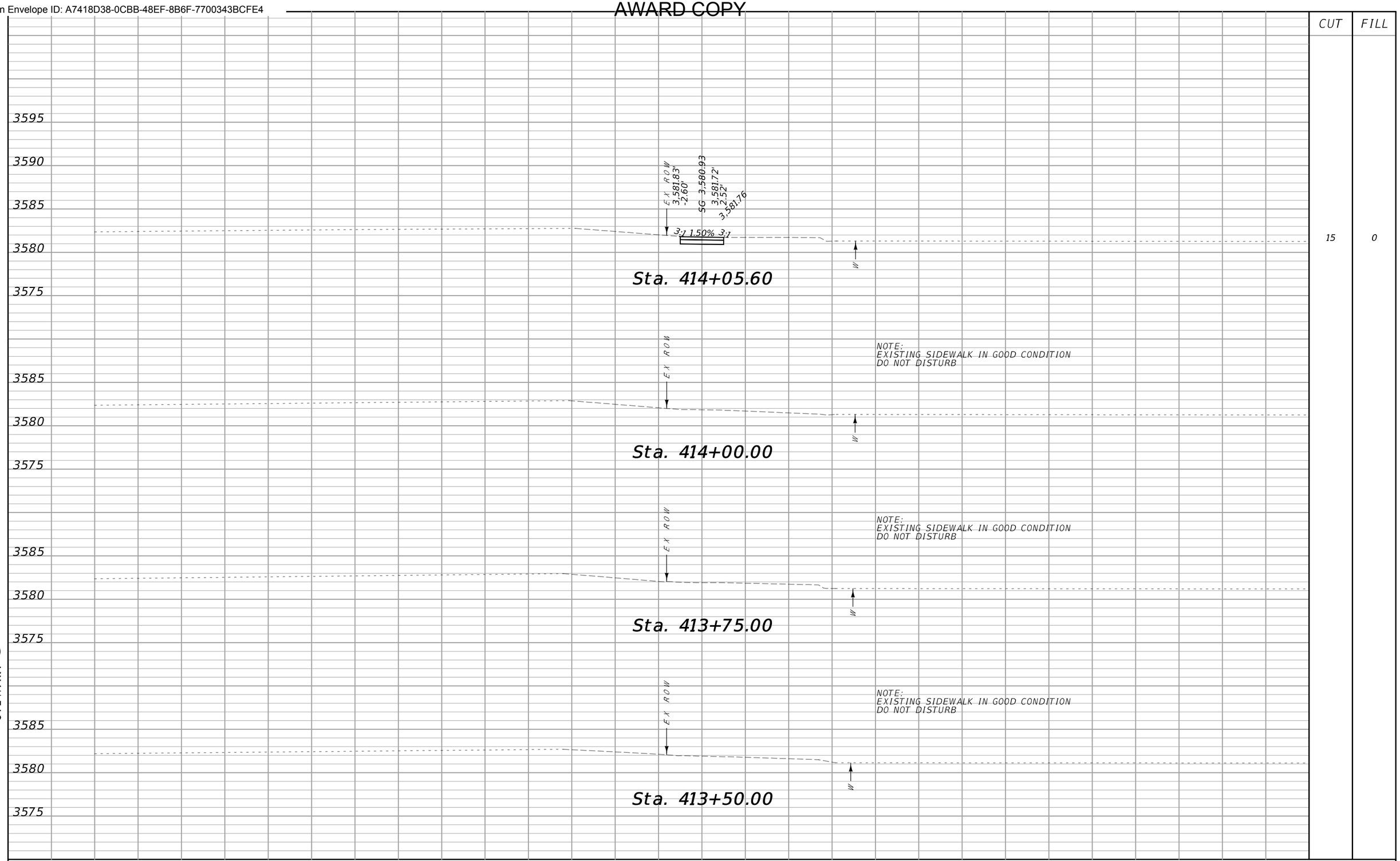
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn 1/13/2022 10:42:31 AM kedam	DESIGNED BY DRAWN BY REVIEWED BY CHECKED BY	CROSS SECTIONS E STILLWATER COUNTY		HWY 78 PATH & WALKS - COLUMBUS UPN 9449000	TA 48(55) SHEET 59

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AWARD COPY

CUT	FILL
15	0



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MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY			CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY			STILLWATER COUNTY	UPN 9449000	SHEET 60
	10:42:35 AM kedam	CHECKED BY					

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CUT	FILL
6	0
4	0
3	0

3595
3590
3585
3580
3575
3570
3585
3580
3575
3585
3580
3575

3,581.79'
-2.98'
SG 3,581.08
3,581.71'
2.97'
3,581.75
3:1 1.50% 3:1
+3

Sta. 415+04.29

W W W
+85 WATER X-ING

MH
STRM
+92

WV
+86

414+79
PUBLIC APP.
(SECOND AVENUE N)

W
STM

Sta. 414+79.12

3,581.64'
-3.19'
SG 3,581.00
3,581.54'
3.27'
3,581.51
3:1 1.50% 3:1

W

Sta. 414+54.58

EX ROW
3,581.82'
-2.51'
SG 3,580.96
3,581.79'
2.62'
3,581.80
3:1 1.50% 3:1
CS
+18

W

Sta. 414+25.00

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn
1/13/2022
10:42:39 AM kedam

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REVIEWED BY
CHECKED BY

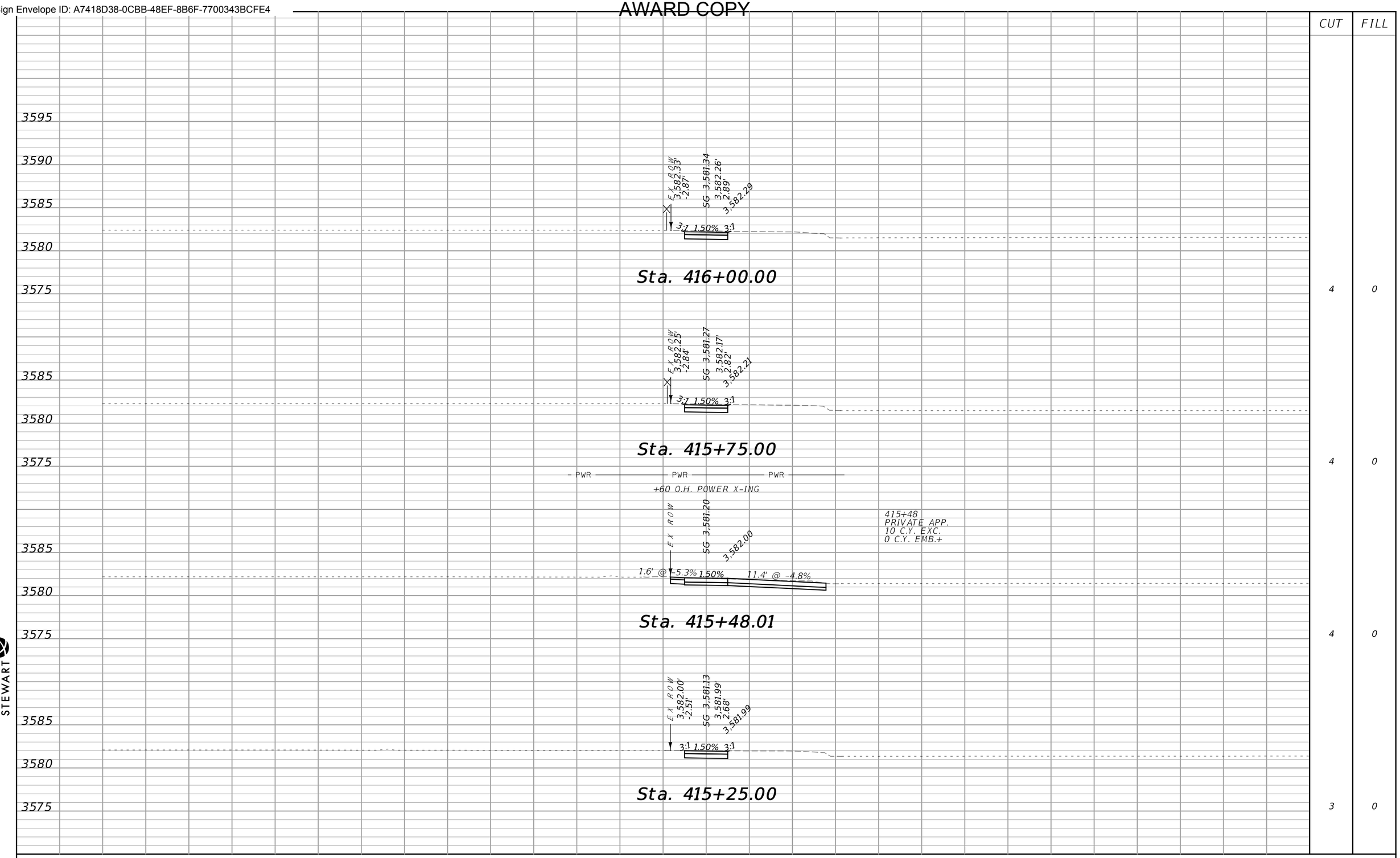
CROSS SECTIONS E
STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS
UPN 9449000

TA 48(55)
SHEET 61

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	CUT	FILL
Sta. 416+00.00	4	0
Sta. 415+75.00	4	0
Sta. 415+48.01	4	0
Sta. 415+25.00	3	0



70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY	CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 62
	10:42:43 AM kedam	CHECKED BY			

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CUT	FILL
4	0
3	0
4	0
4	0

3595
3590
3585
3580
3575
3570
3585
3580
3575
3585
3580
3575

EX. ROW 3,582.83' -2.94'
SG 3,581.62
3,582.58'
3.02'
3,582.62
3:1 1.50% 3:1
W

Sta. 417+00.00

W W W
+97 WATER X-ING

EX. ROW 3,582.28' -2.89'
SG 3,581.55
3,582.18'
2.99'
3,582.24
3:1 1.50% 3:1

Sta. 416+75.00

GAS GAS GAS
+58 GAS X-ING

SG 3,581.49
3,582.19

416+54
PUBLIC APP.
10 C.Y. EXC.
0 C.Y. EMB.+

1.5' @ 2.6% 1.50% 11.4' @ -6.2%

MH SANSEW +51
+44 +44

Sta. 416+54.05

TEL TEL TEL
+46 U.G. TELEPHONE X-ING

EX. ROW 3,582.35' -2.71'
SG 3,581.41
3,582.26'
2.69'
3,582.31
3:1 1.50% 3:1
WELL +19

Sta. 416+25.00

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

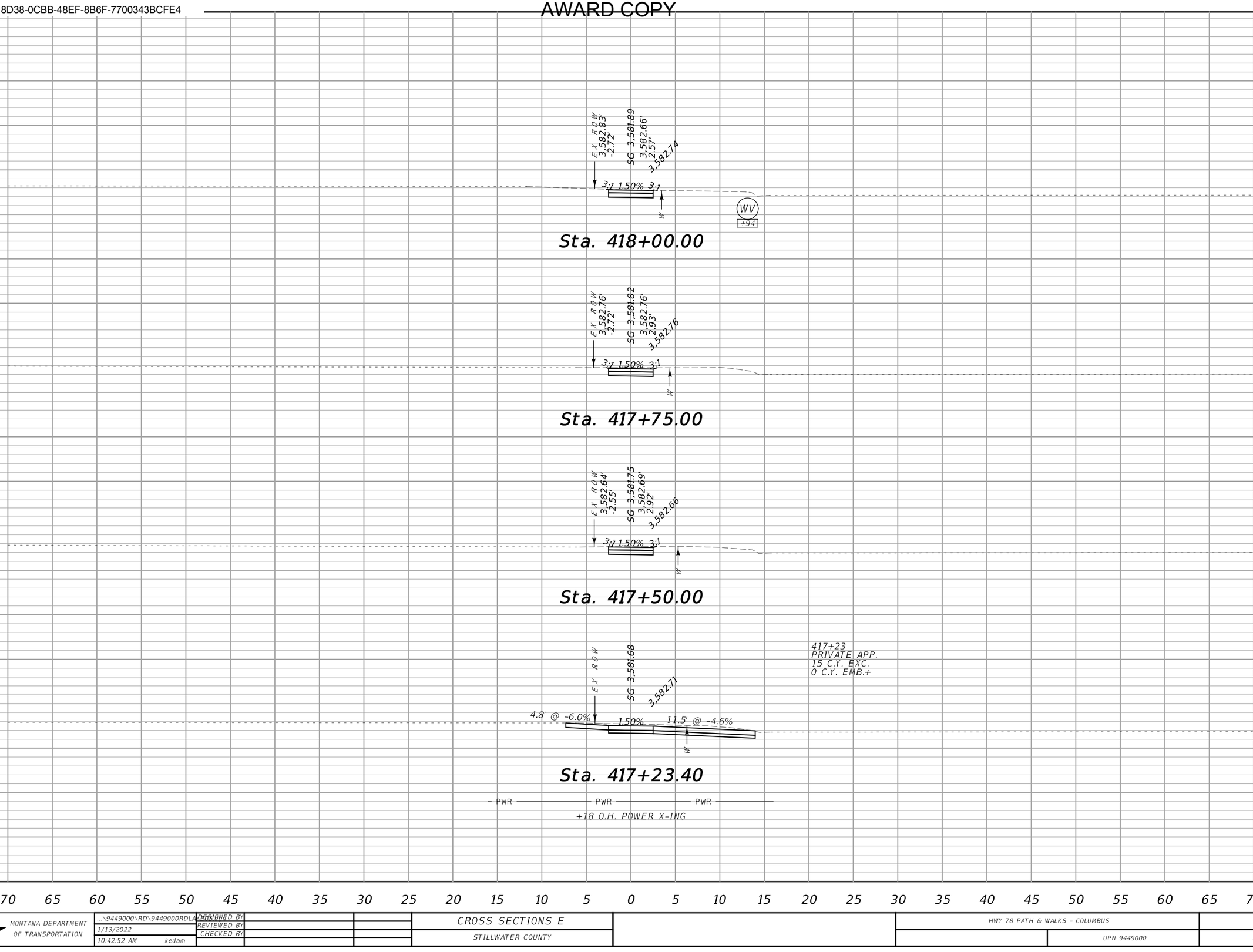
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 63
	10:42:47 AM kedam	CHECKED BY				

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CUT	FILL
4	0
4	0
5	0
5	0

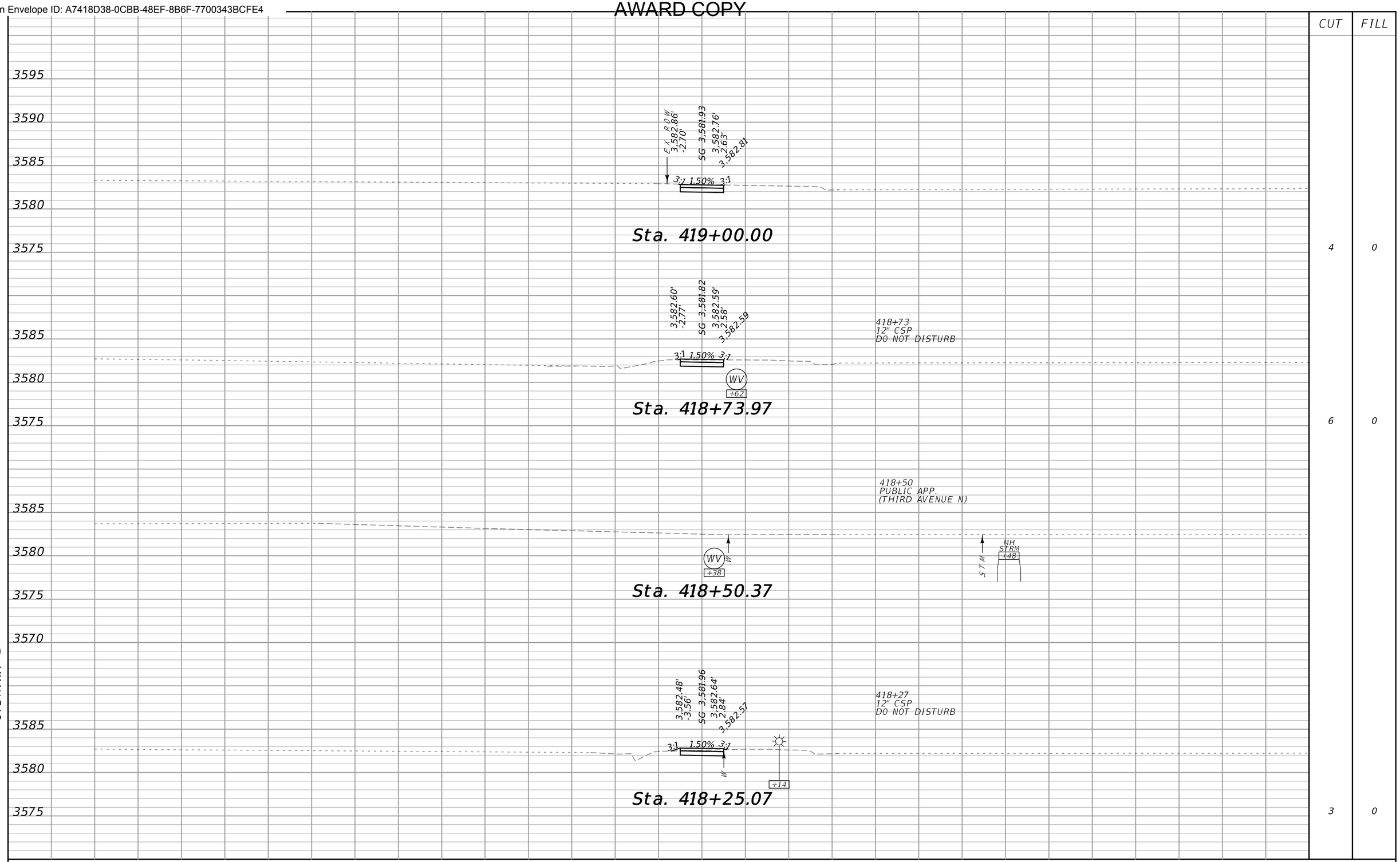


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MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 64
	10:42:52 AM kedam	CHECKED BY				

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CUT	FILL
4	0
6	0
3	0

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...\9449000\RD\9449000RDLAYOUT.dgn
1/13/2022
10:42:56 AM kedam

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REVIEWED BY
CHECKED BY

CROSS SECTIONS E

STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS

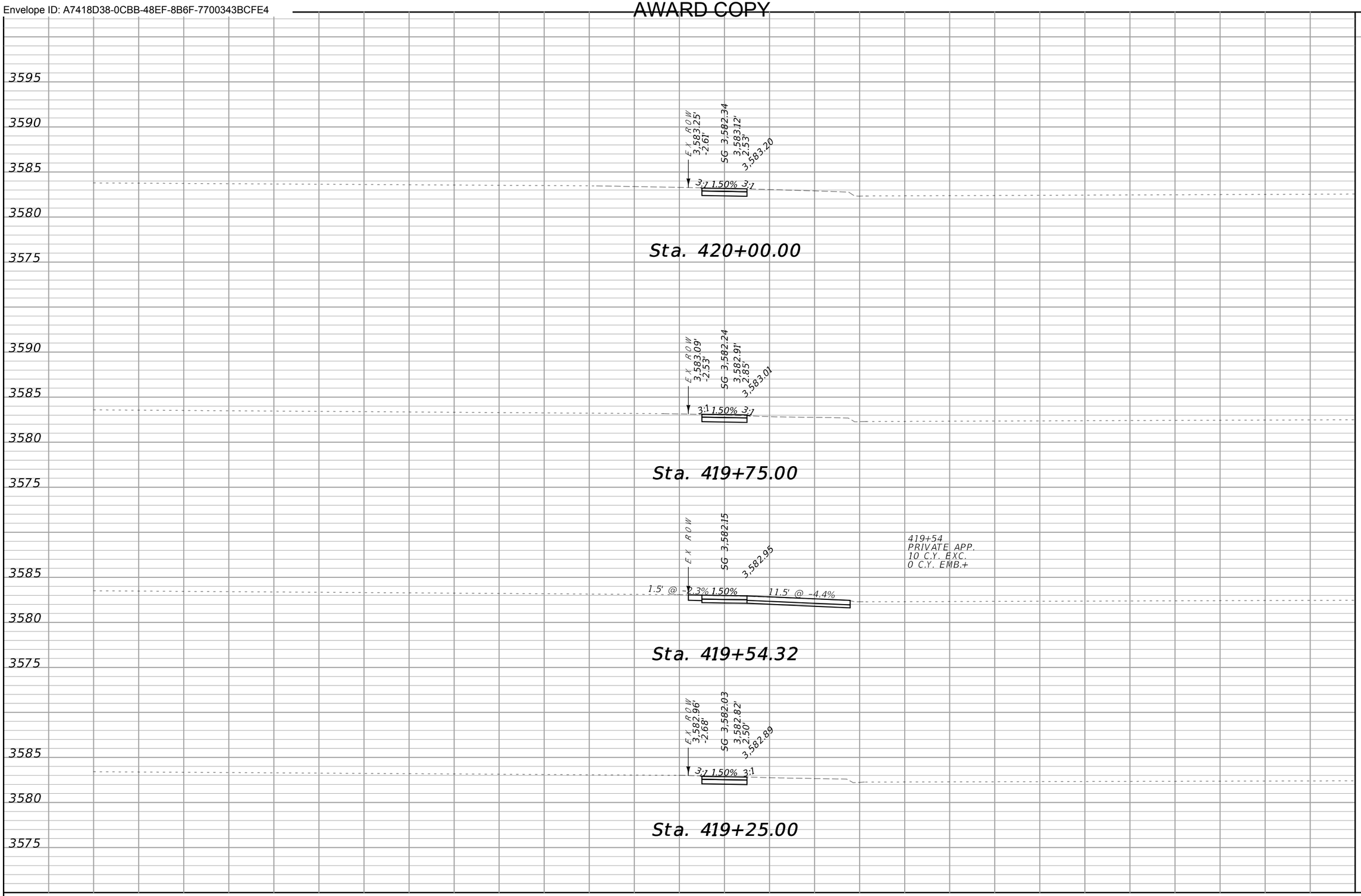
UPN 9449000

TA 48(55)

SHEET 65

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CUT	FILL
4	0
3	0
5	0
4	0

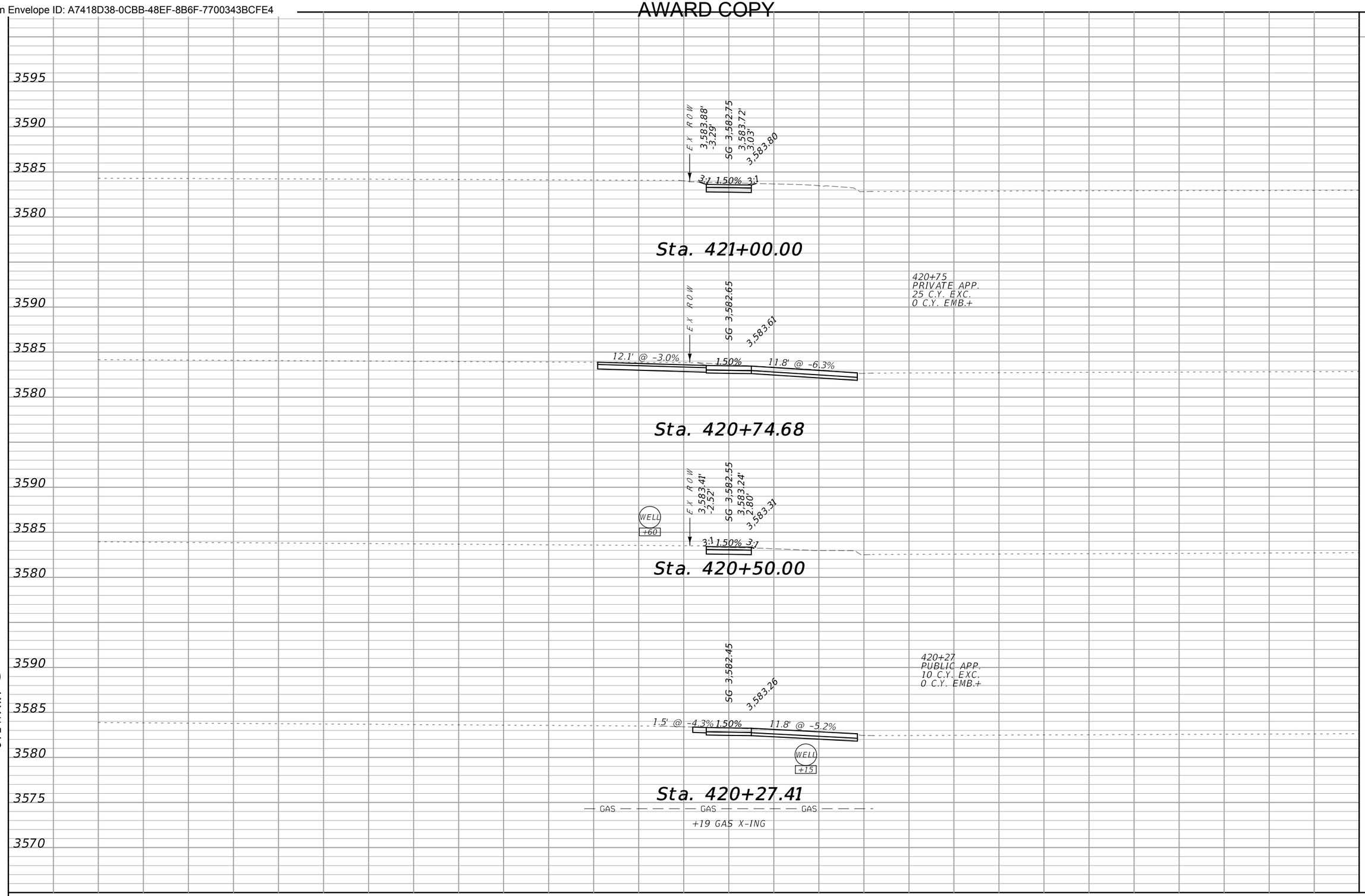
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLA65.dgn	DESIGNED BY	CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS
1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000
10:43:00 AM kedam	CHECKED BY		TA 48(55)
			SHEET 66

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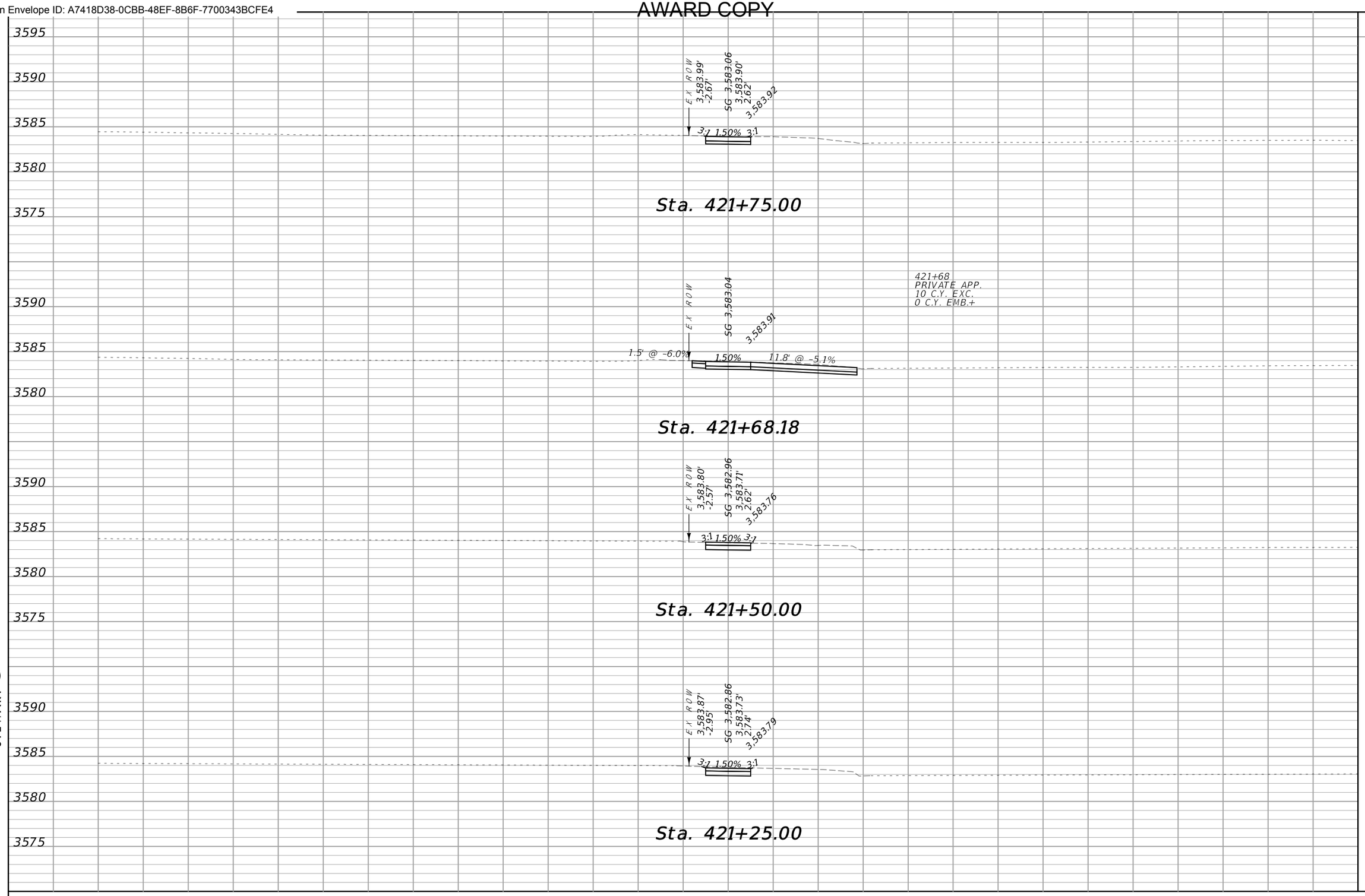


CUT	FILL
5	0
4	0
3	0
4	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA65.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 67
	10:43:04 AM kedam	CHECKED BY				

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CUT	FILL
1	0
3	0
4	0
5	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAY01.dgn
1/13/2022
10:43:08 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

CROSS SECTIONS E

STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS

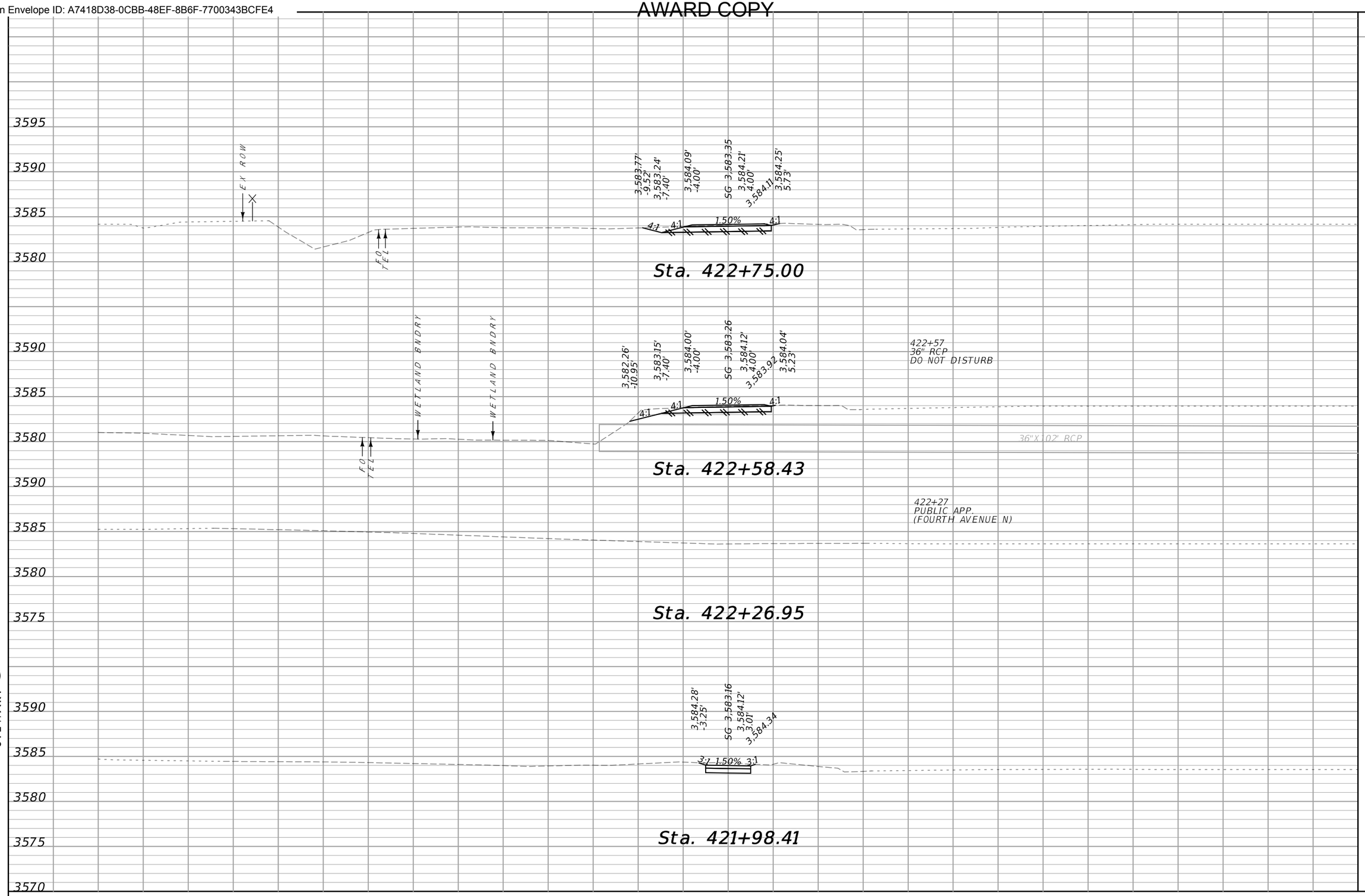
UPN 9449000

TA 48(55)

SHEET 68

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AWARD COPY



CUT	FILL
6	0
18	0
4	0

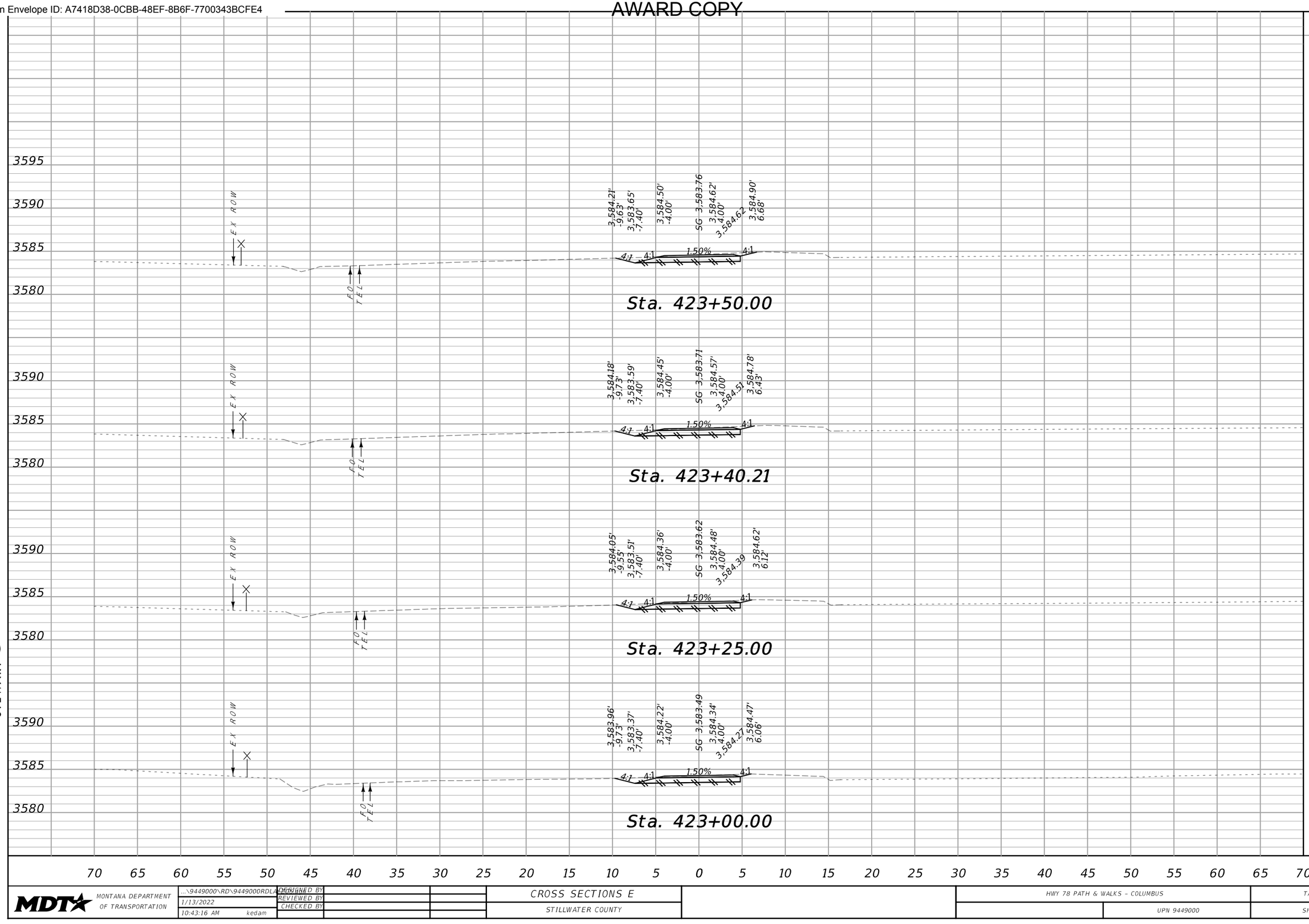
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY	CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS
1/13/2022	REVIEWED BY		TA 48(55)
10:43:12 AM kedam	CHECKED BY	STILLWATER COUNTY	UPN 9449000
			SHEET 69

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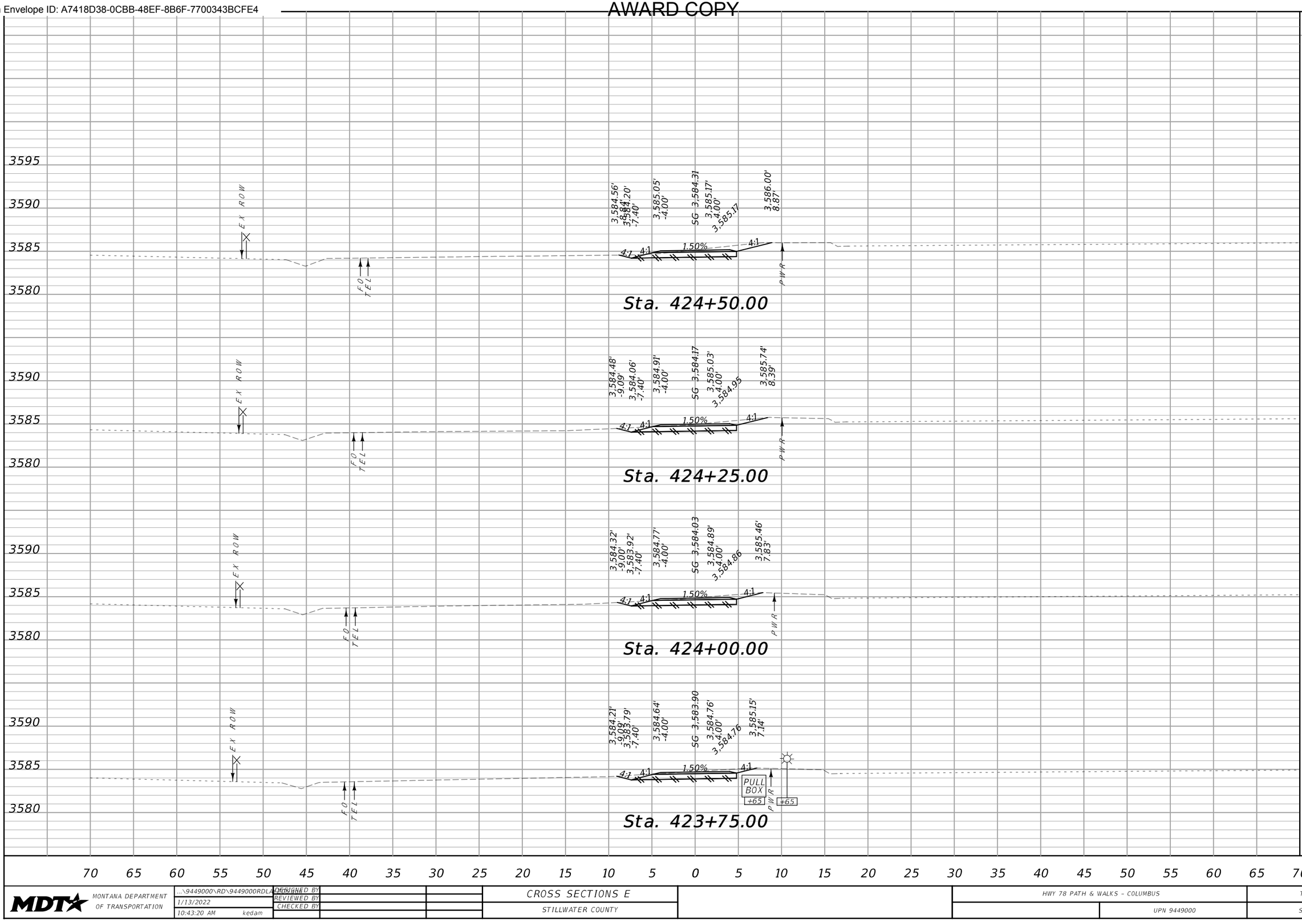
CUT	FILL
4	0
6	0
9	0
9	0

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA05.DGN	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:43:16 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 70

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CUT	FILL
10	0
10	0
10	0
10	0

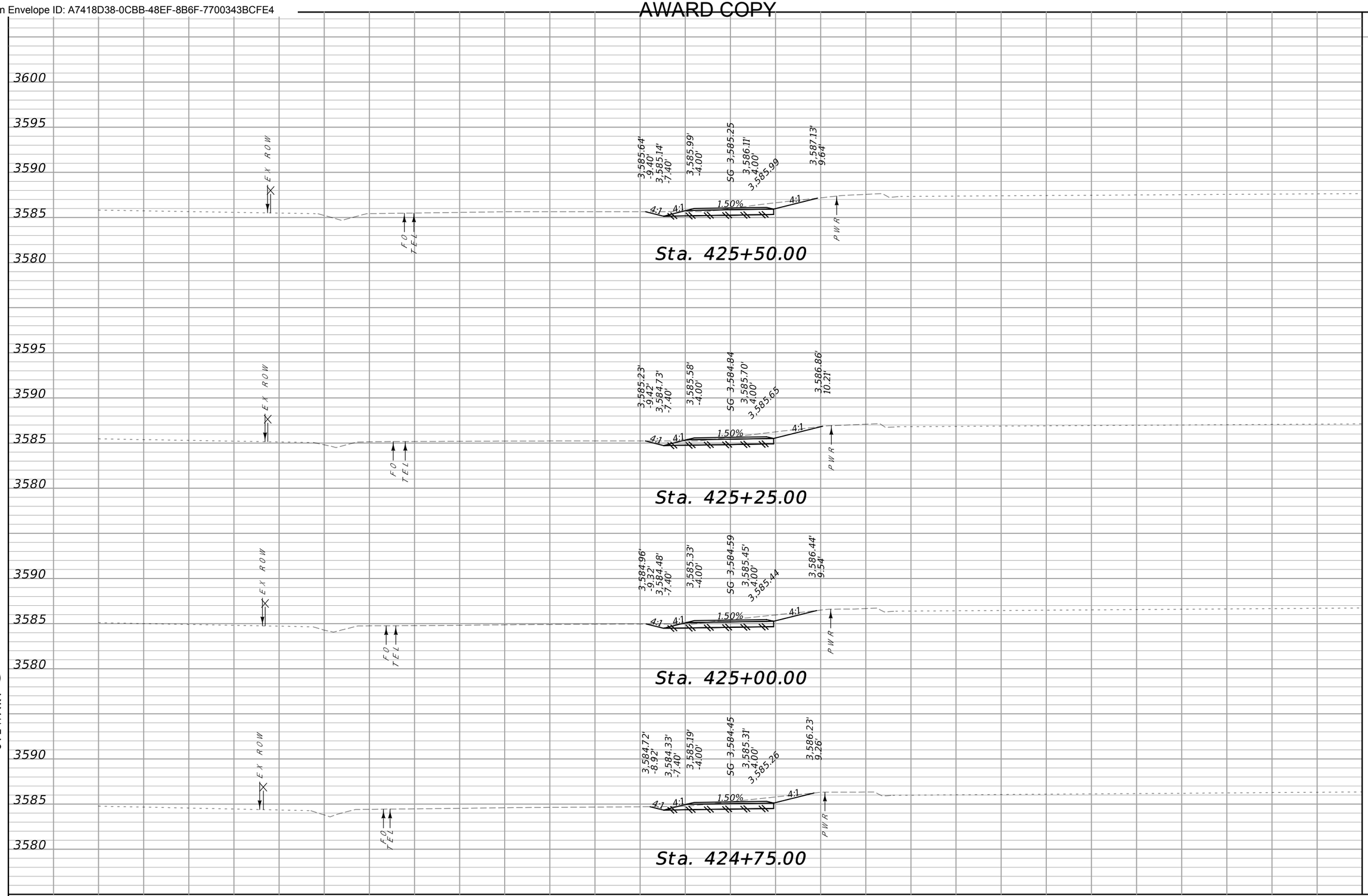
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA05.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:43:20 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 71

DocuSign Envelope ID: A7418D38-0CBB-48EF-8B6F-7700343BCFE4

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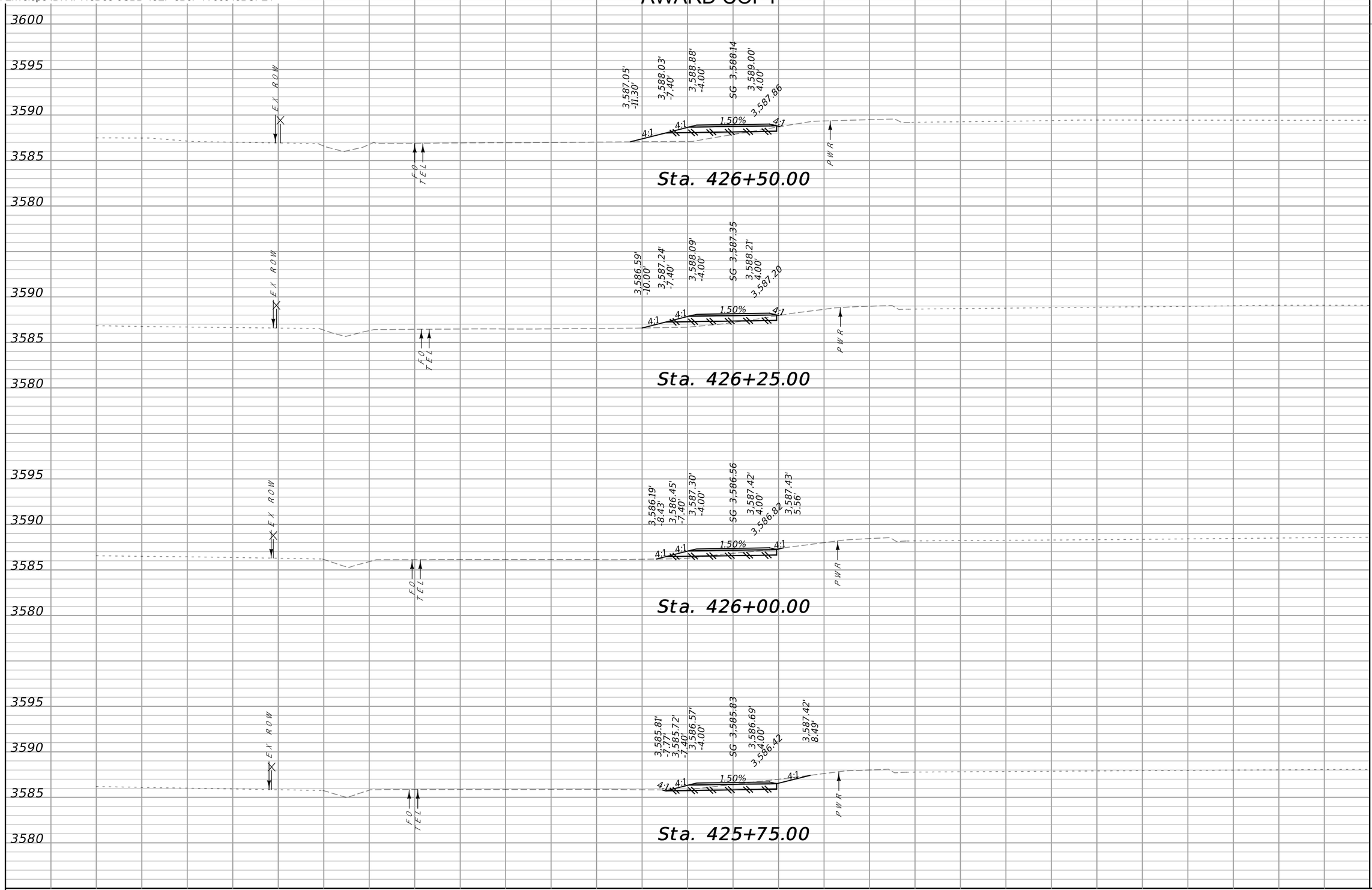
CUT	FILL
10	0
11	0
10	0
10	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY	CROSS SECTIONS E	HWY 78 PATH & WALKS – COLUMBUS / TA 48(55)
1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000 / SHEET 72
10:43:24 AM kedam	CHECKED BY		

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CUT	FILL
1	6
2	2
4	0
8	0

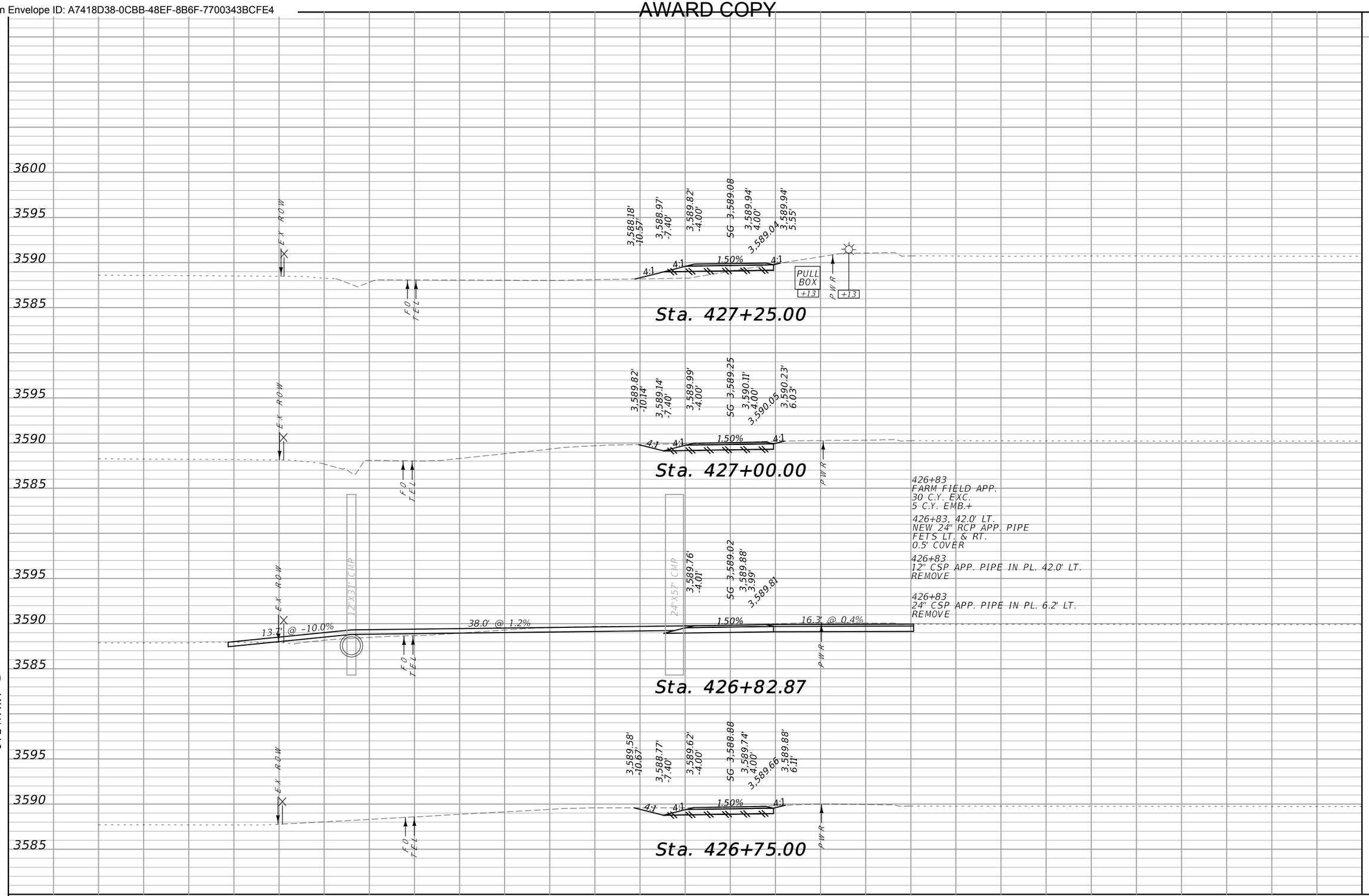
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA05.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS / UPN 9449000	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY		SHEET 73
	10:43:28 AM kedam	CHECKED BY				

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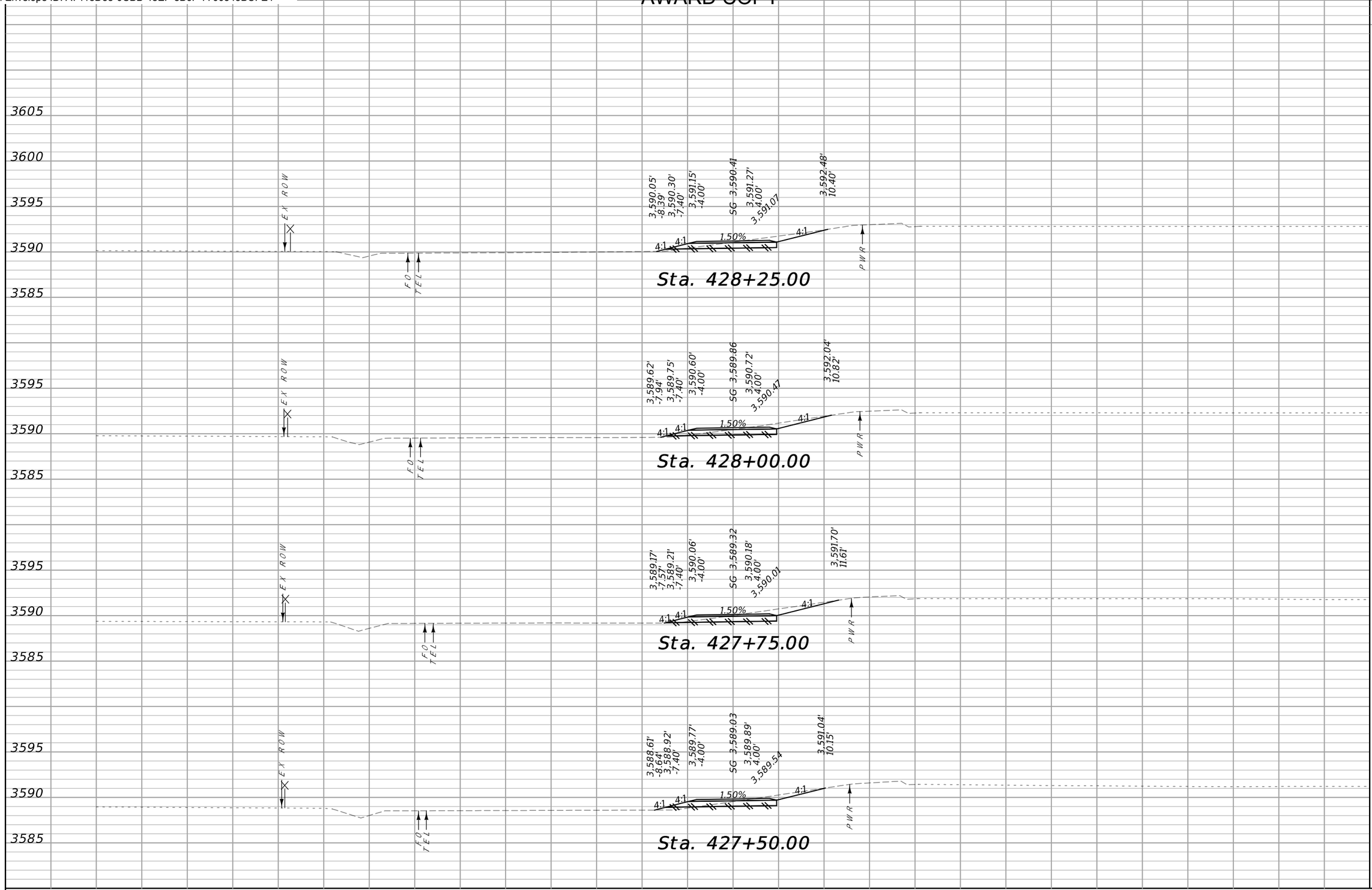
CUT	FILL
6	2
6	0
3	0
6	4

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA05.DGN	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:43:32 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 74

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CUT	FILL
7	0
8	0
7	0
4	3

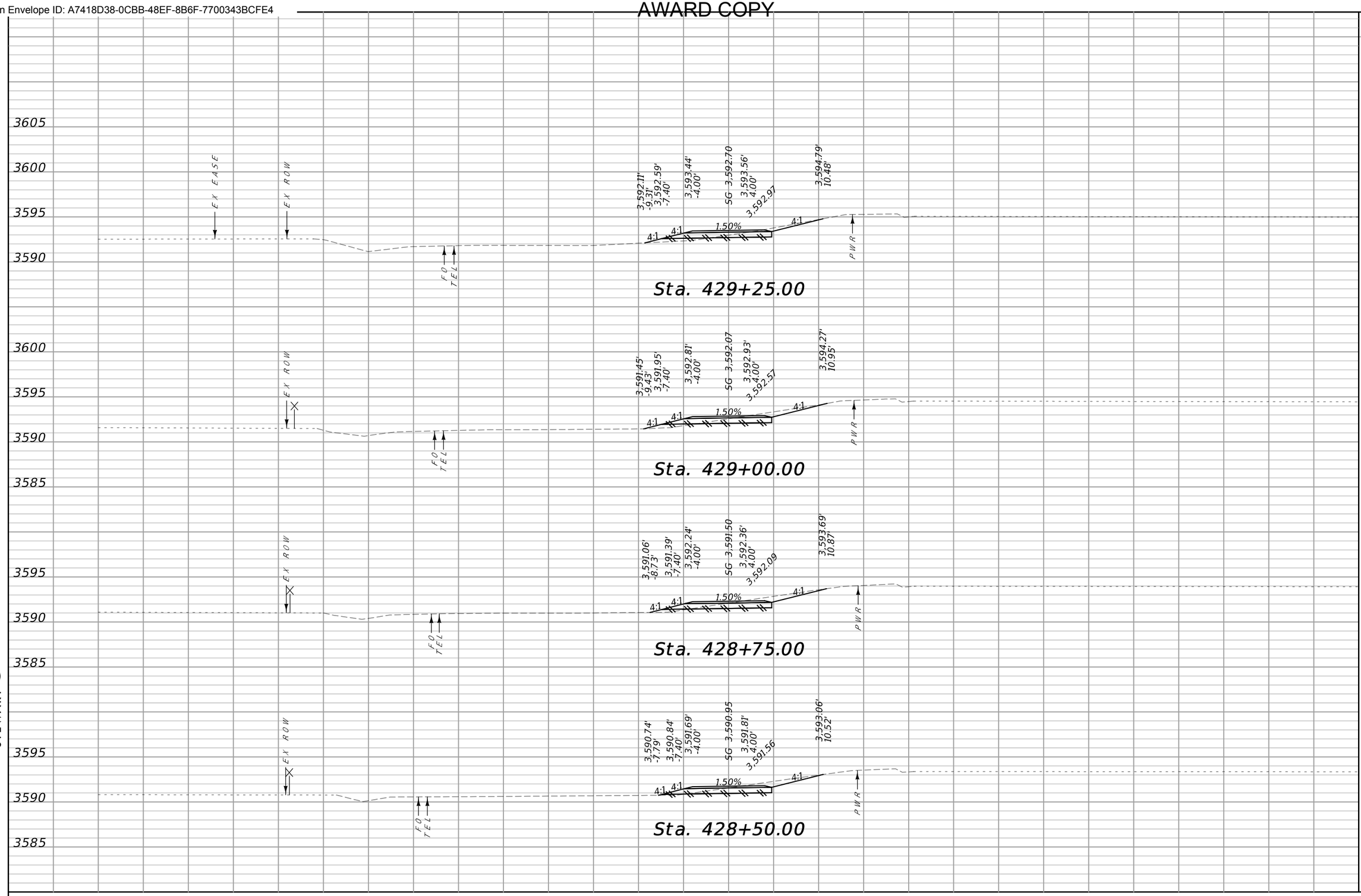
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:43:36 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 75

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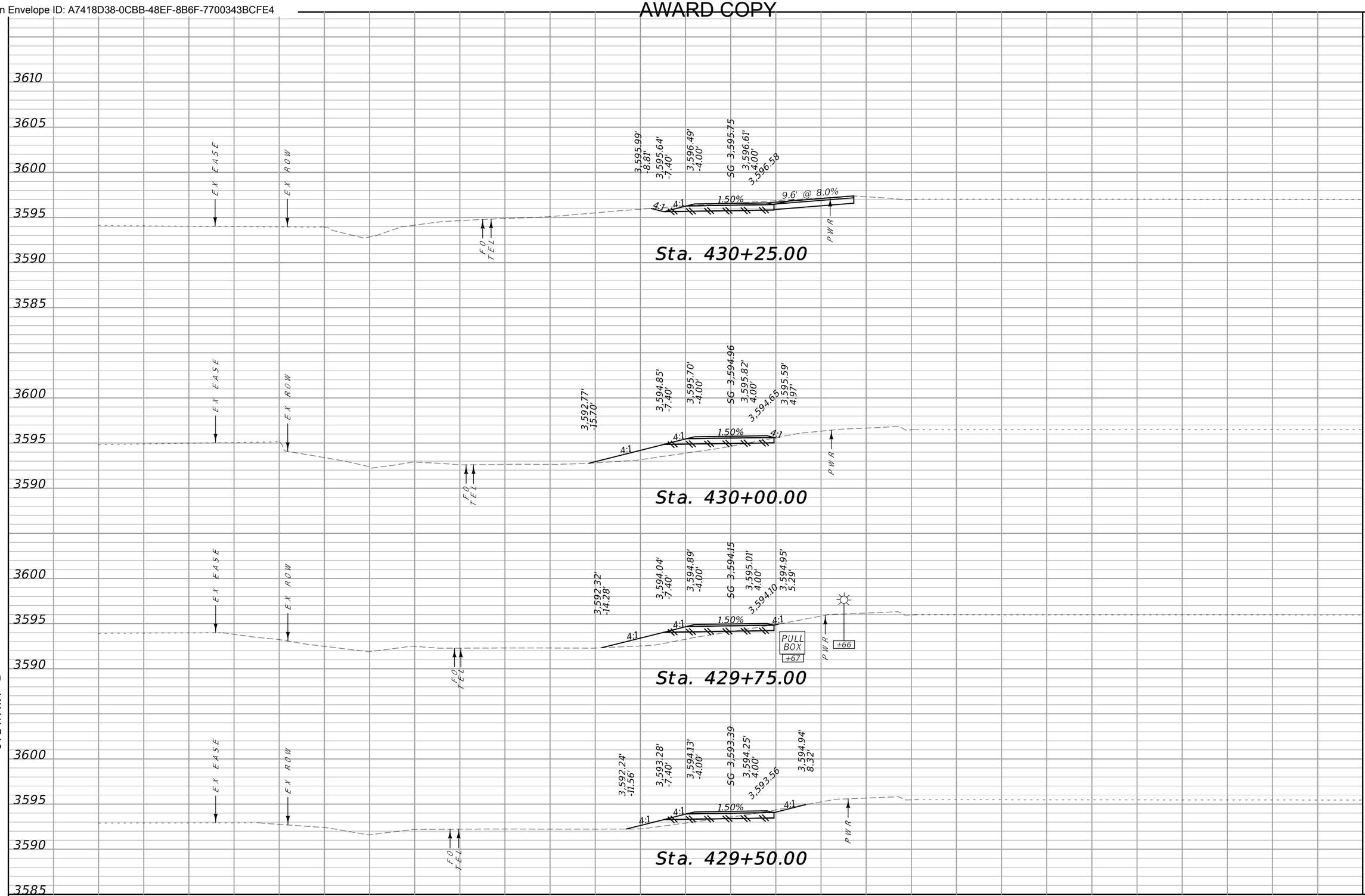
CUT	FILL
5	1
7	1
7	0
7	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:43:41 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 76

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CUT	FILL
5	6
1	10
2	6
3	3

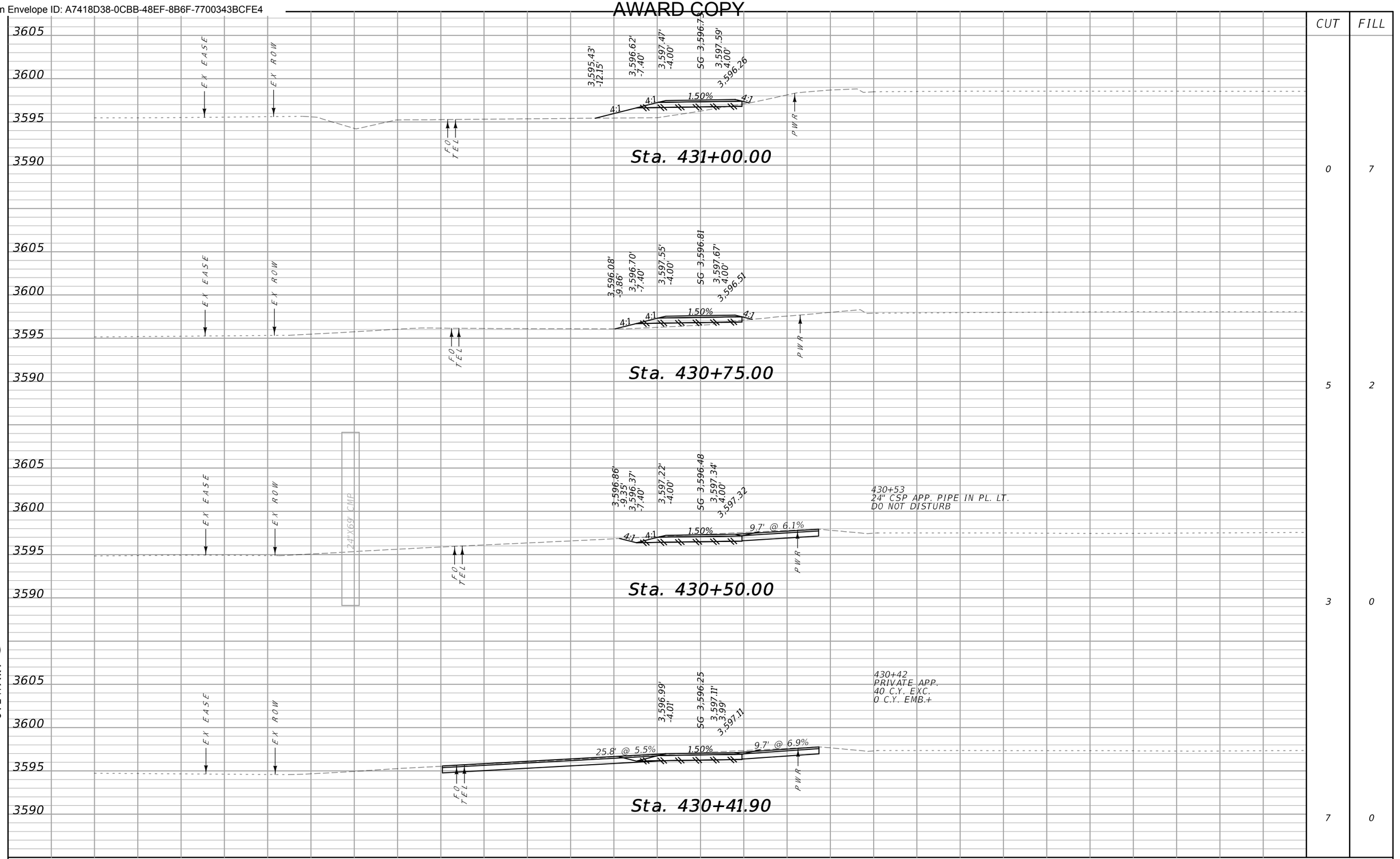
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY	CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS / TA 48(55)
1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000 / SHEET 77
10:43:45 AM kedam	CHECKED BY		

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CUT	FILL
0	7
5	2
3	0
7	0

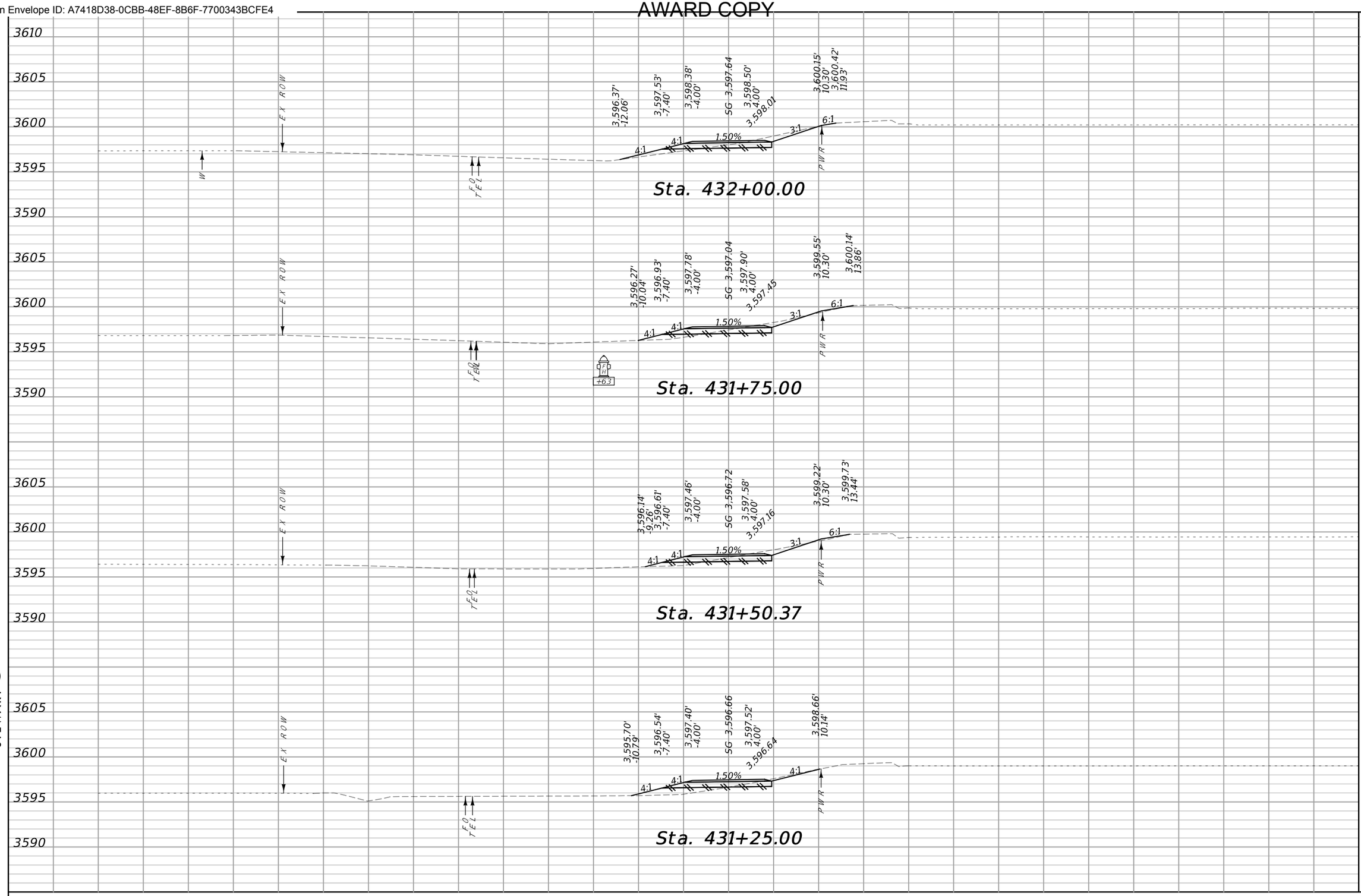
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAYOUT.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS – COLUMBUS / UPN 9449000 / TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	SHEET 78
	10:43:49 AM kedam	CHECKED BY			

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CUT	FILL
5	2
5	2
4	3
1	7

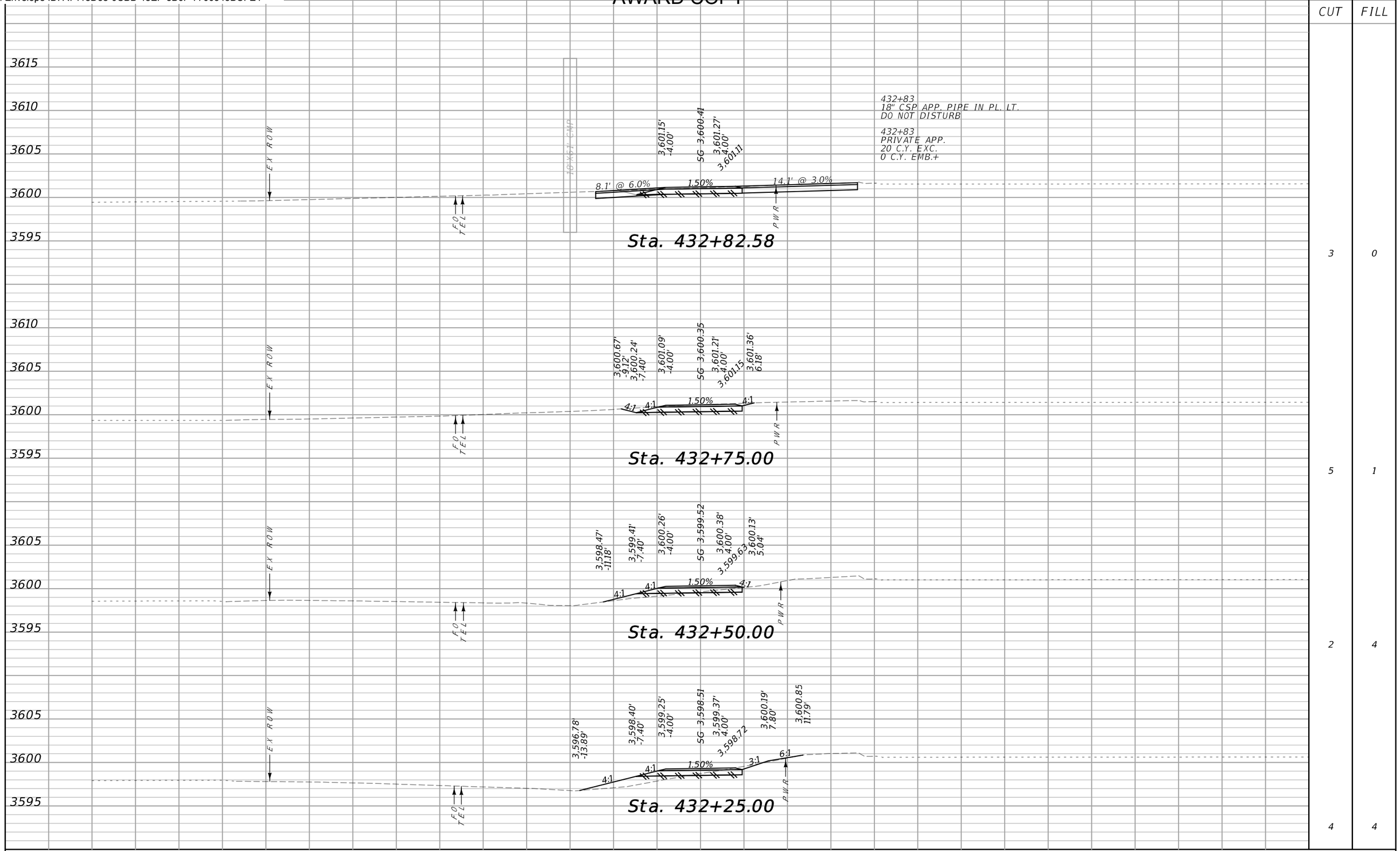
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:43:53 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 79

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CUT	FILL
3	0
5	1
2	4
4	4

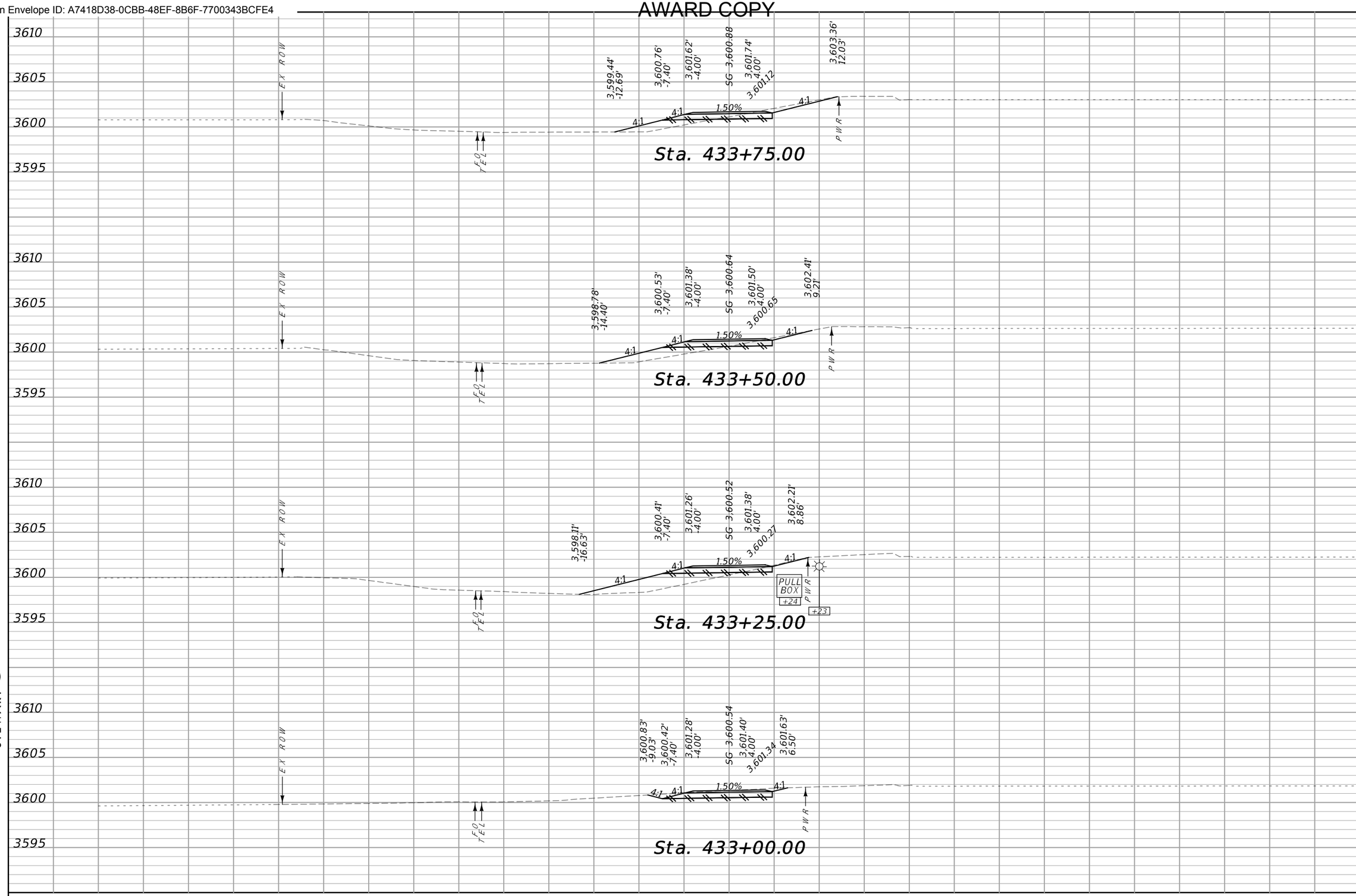


SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY				
	10:43:57 AM kedam	CHECKED BY		STILLWATER COUNTY	UPN 9449000	SHEET 80

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CUT	FILL
4	7
2	12
5	8
6	0

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLAYOUT.dgn
1/13/2022
10:44:01 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

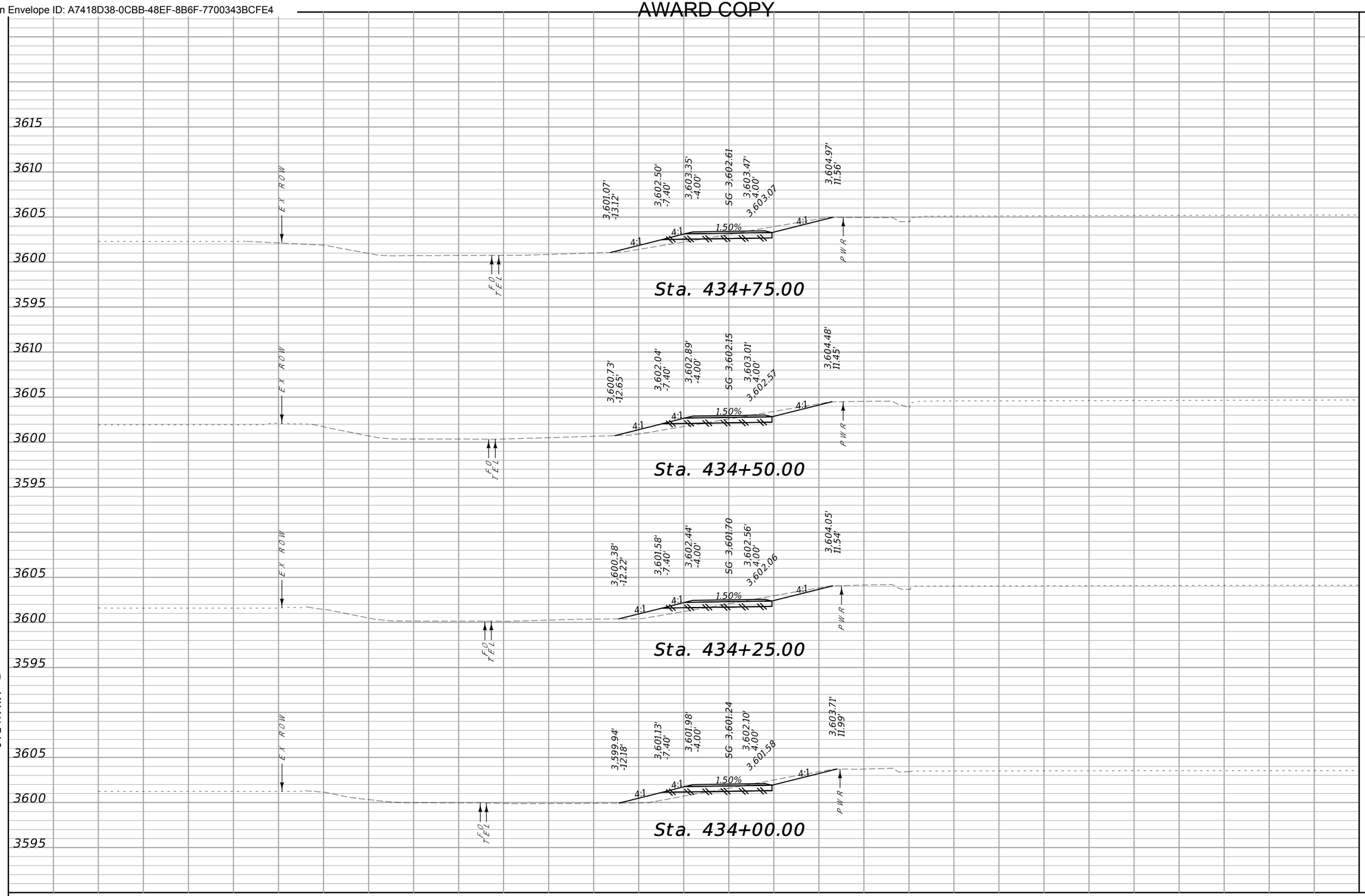
CROSS SECTIONS E
STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS
UPN 9449000

TA 48(55)
SHEET 81

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CUT	FILL
6	4
6	4
6	4
5	5

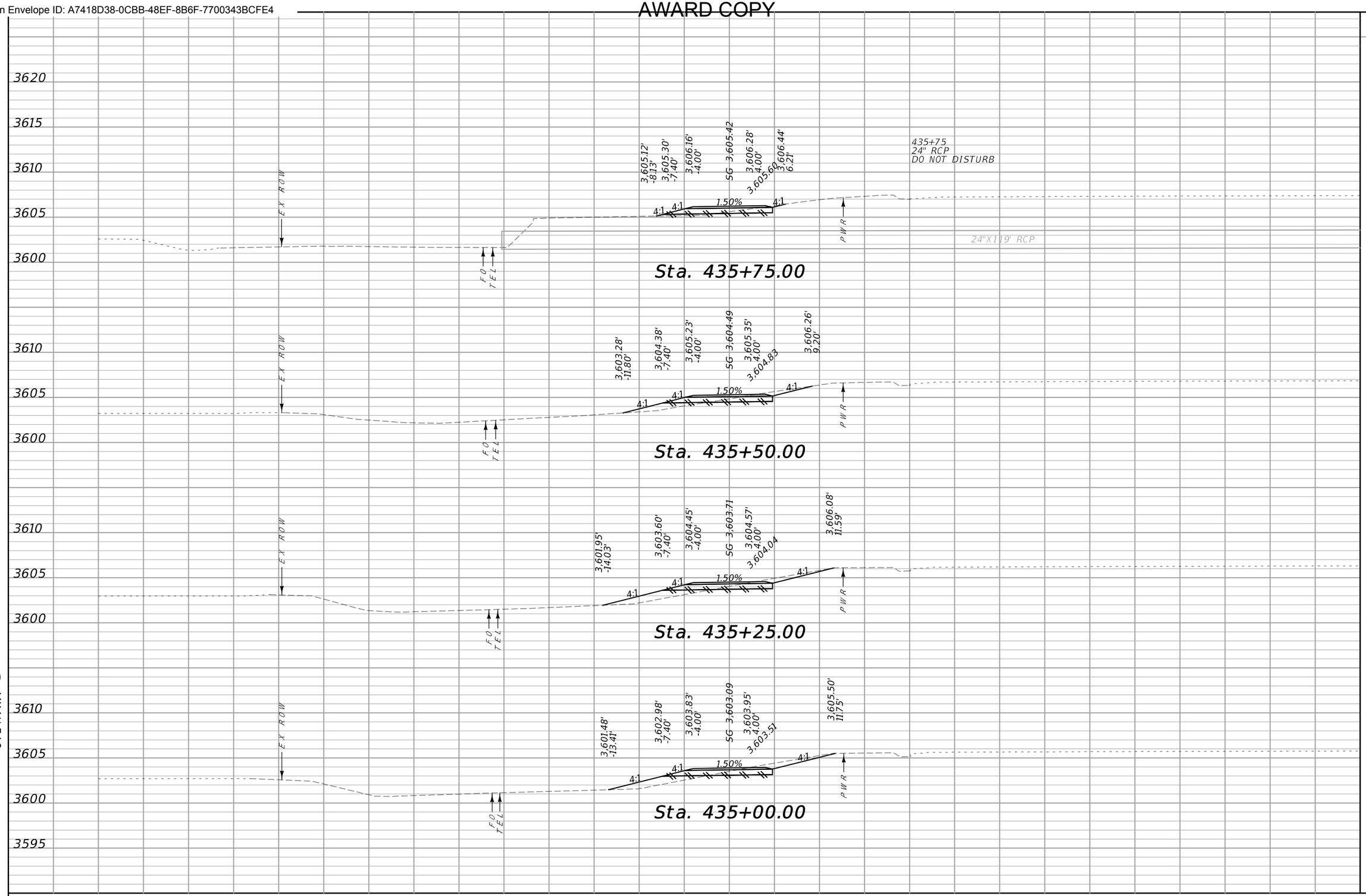
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS / UPN 9449000 / TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	SHEET 82
	10:44:05 AM kedam	CHECKED BY			

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CUT	FILL
3	2
5	5
6	6
6	4

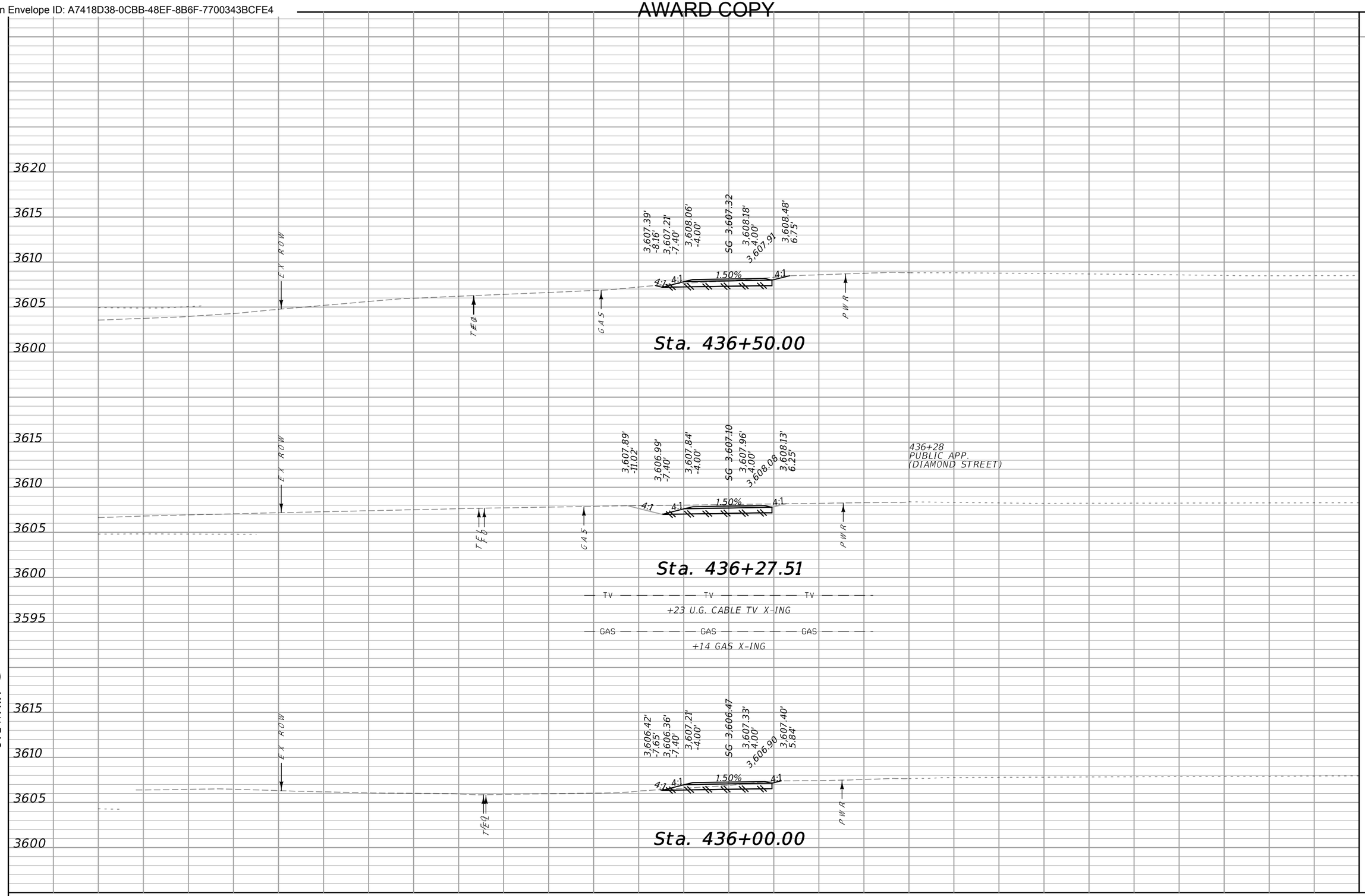
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLAY01.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS – COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 83
	10:44:09 AM kedam	CHECKED BY				

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CUT	FILL
9	0
10	0
3	0

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

...\9449000\RD\9449000RDLA05.dgn
1/13/2022
10:44:13 AM kedam

DESIGNED BY
REVIEWED BY
CHECKED BY

CROSS SECTIONS E

STILLWATER COUNTY

HWY 78 PATH & WALKS - COLUMBUS

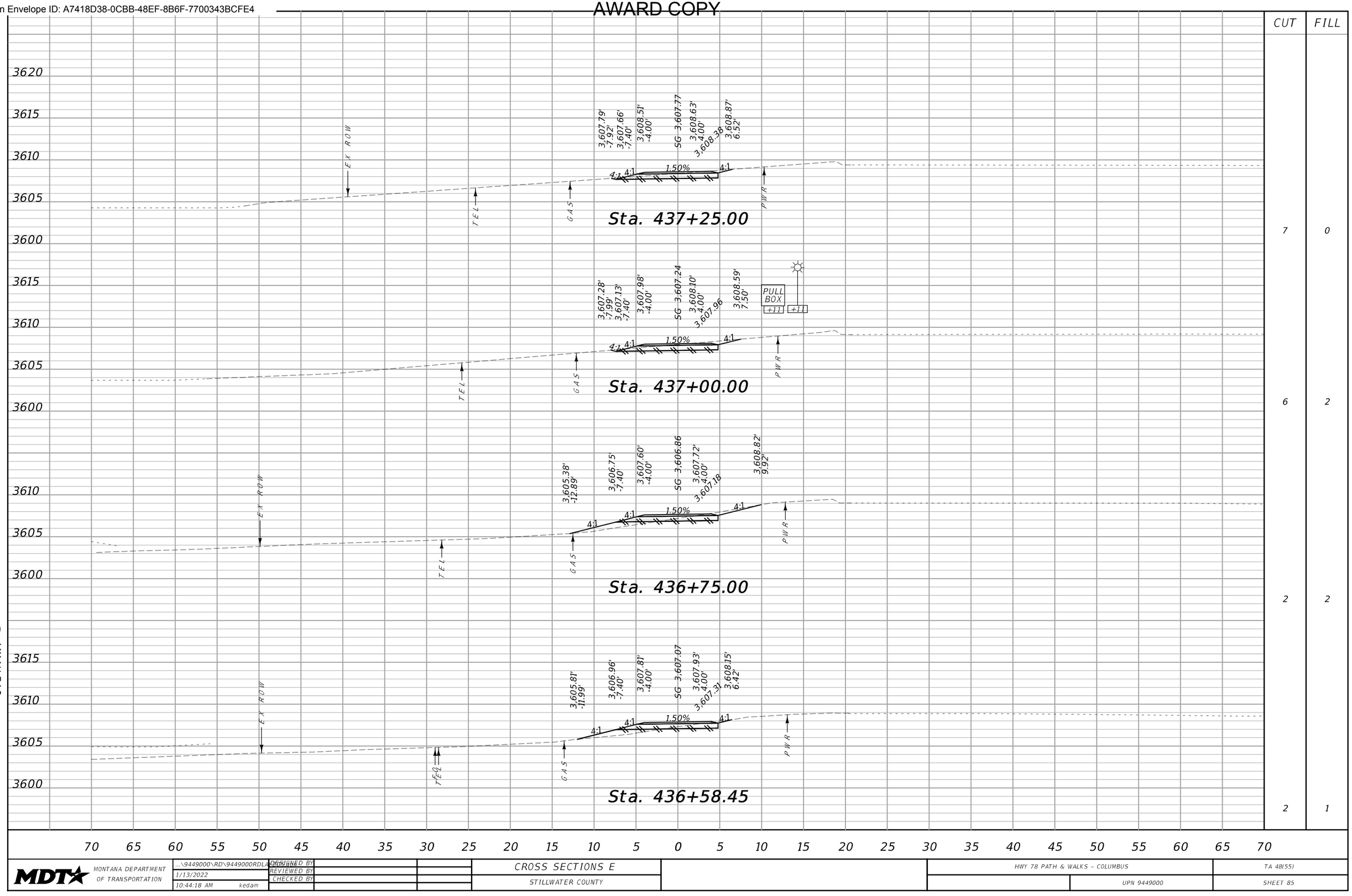
UPN 9449000

TA 48(55)

SHEET 84

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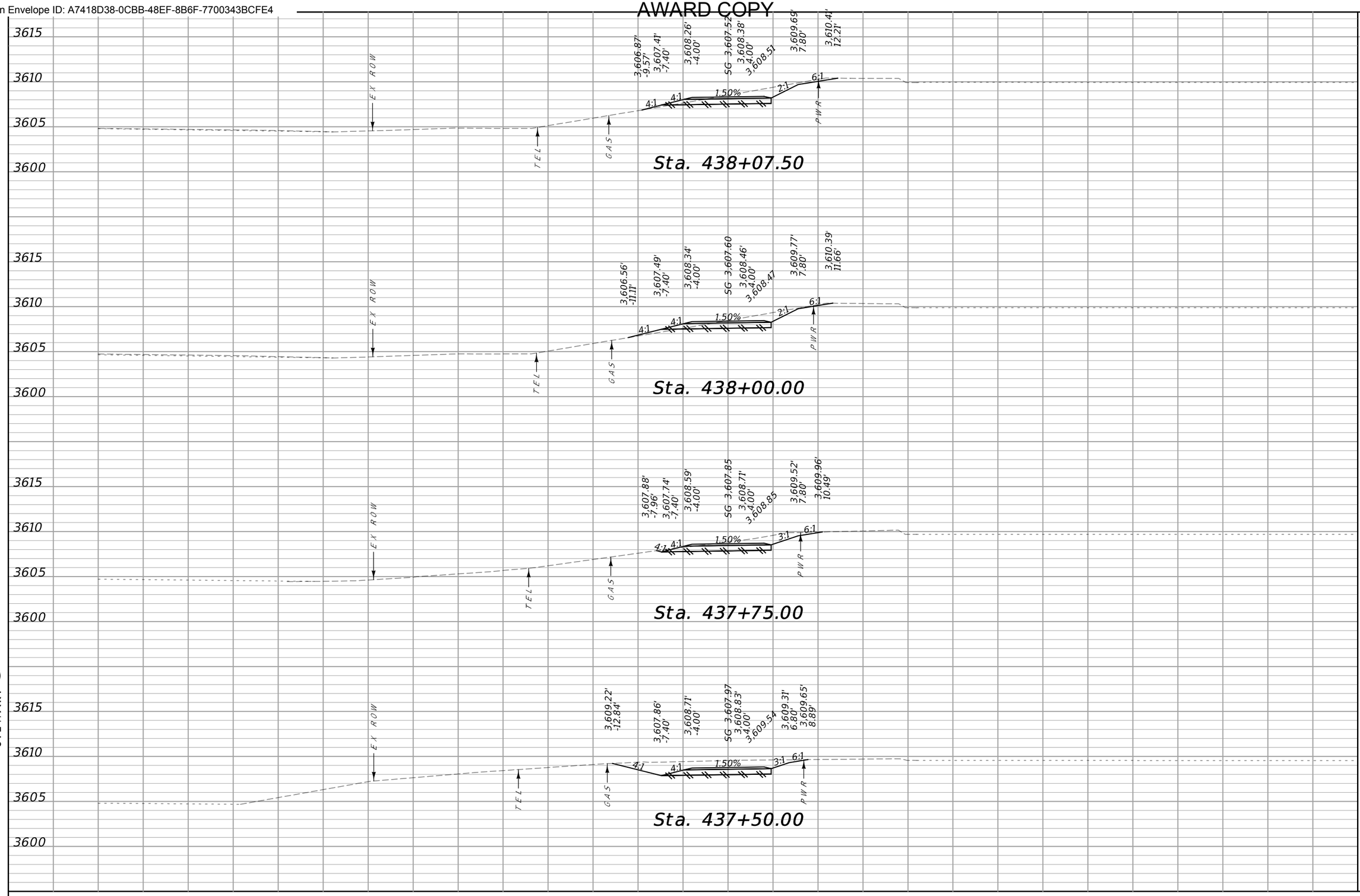


CUT	FILL
7	0
6	2
2	2
2	1

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA05.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS – COLUMBUS / UPN 9449000	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY		SHEET 85
	10:44:18 AM kedam	CHECKED BY				

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CUT	FILL
3	1
11	2
18	0
15	0

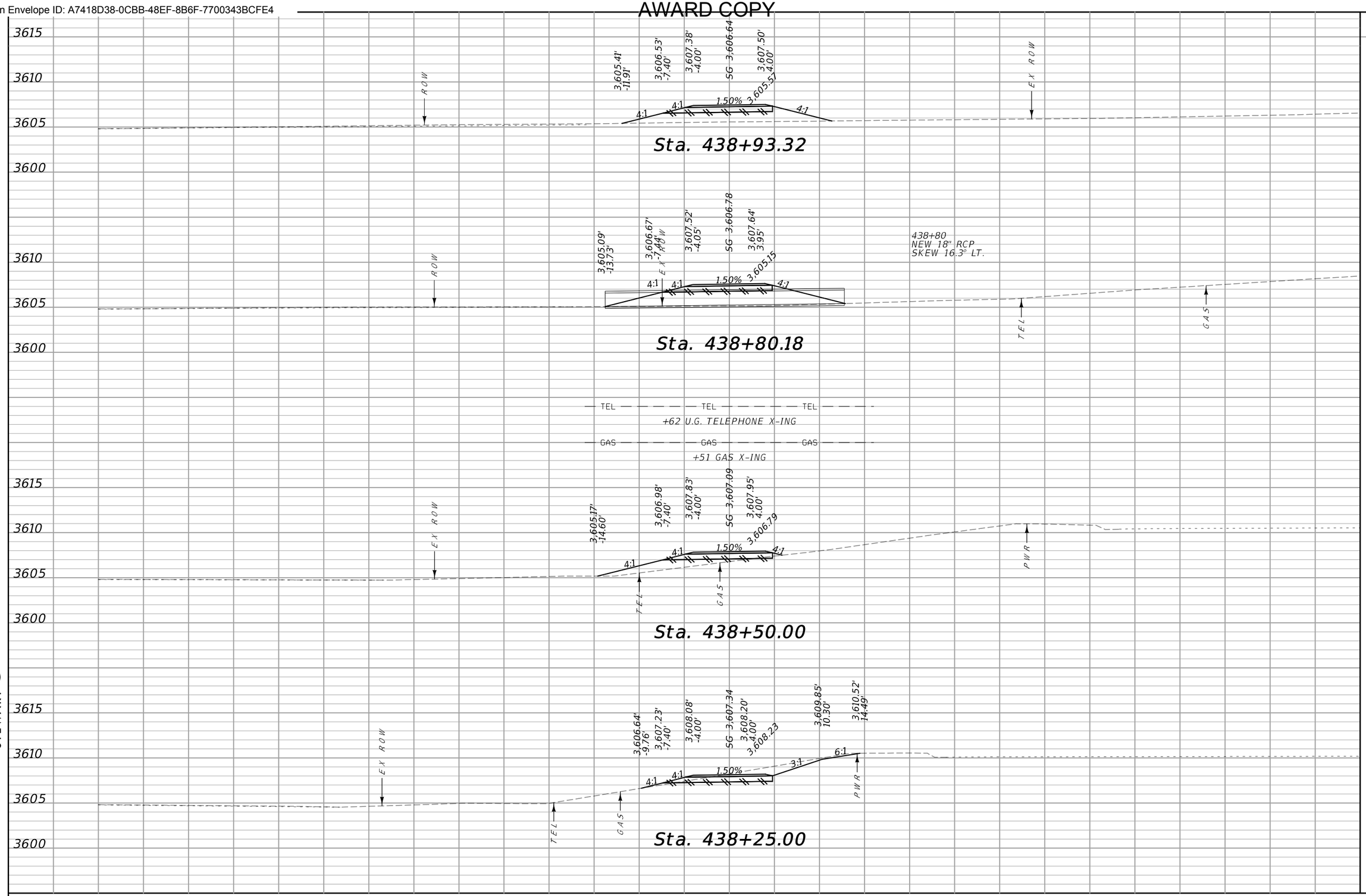
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SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA01.dgn	DESIGNED BY	CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY			
	10:44:22 AM kedam	CHECKED BY	STILLWATER COUNTY	UPN 9449000	SHEET 86

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CUT	FILL
0	14
0	29
6	8
8	2

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

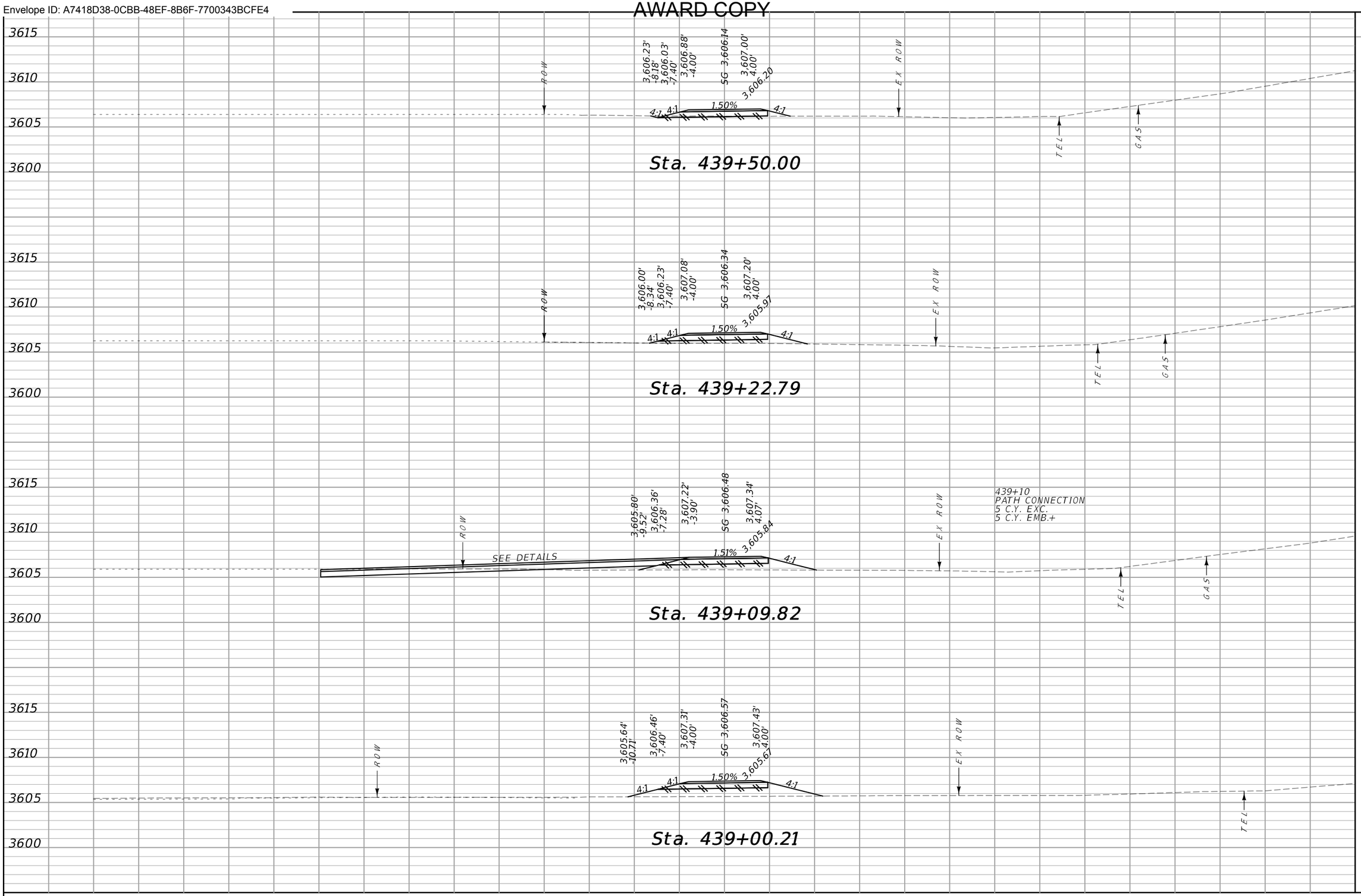
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION

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1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000 / SHEET 87
10:44:26 AM kedam	CHECKED BY		

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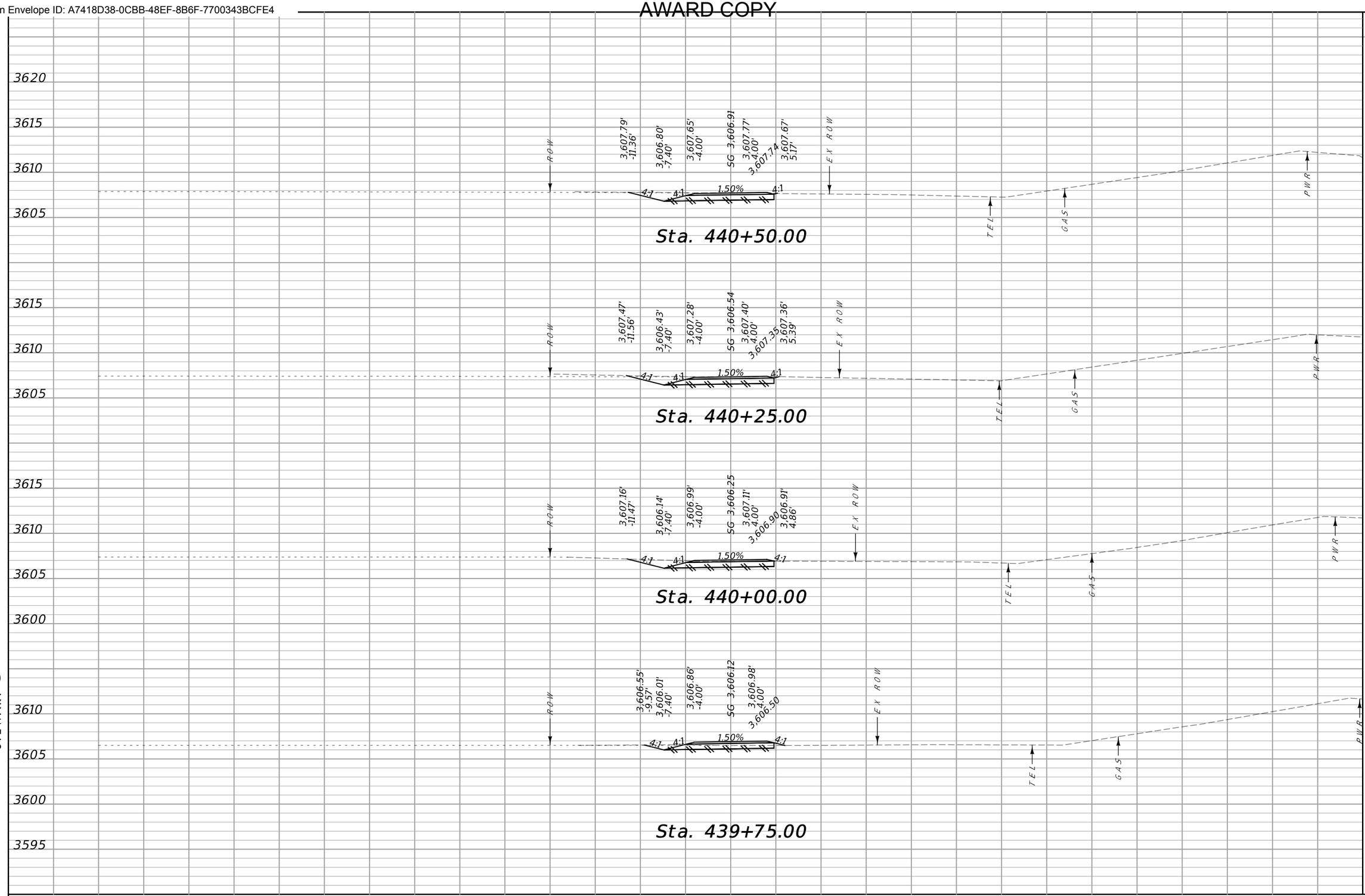
CUT	FILL
1	4
3	5
2	6
0	5

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA05.dgn	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS – COLUMBUS / UPN 9449000	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY		SHEET 88
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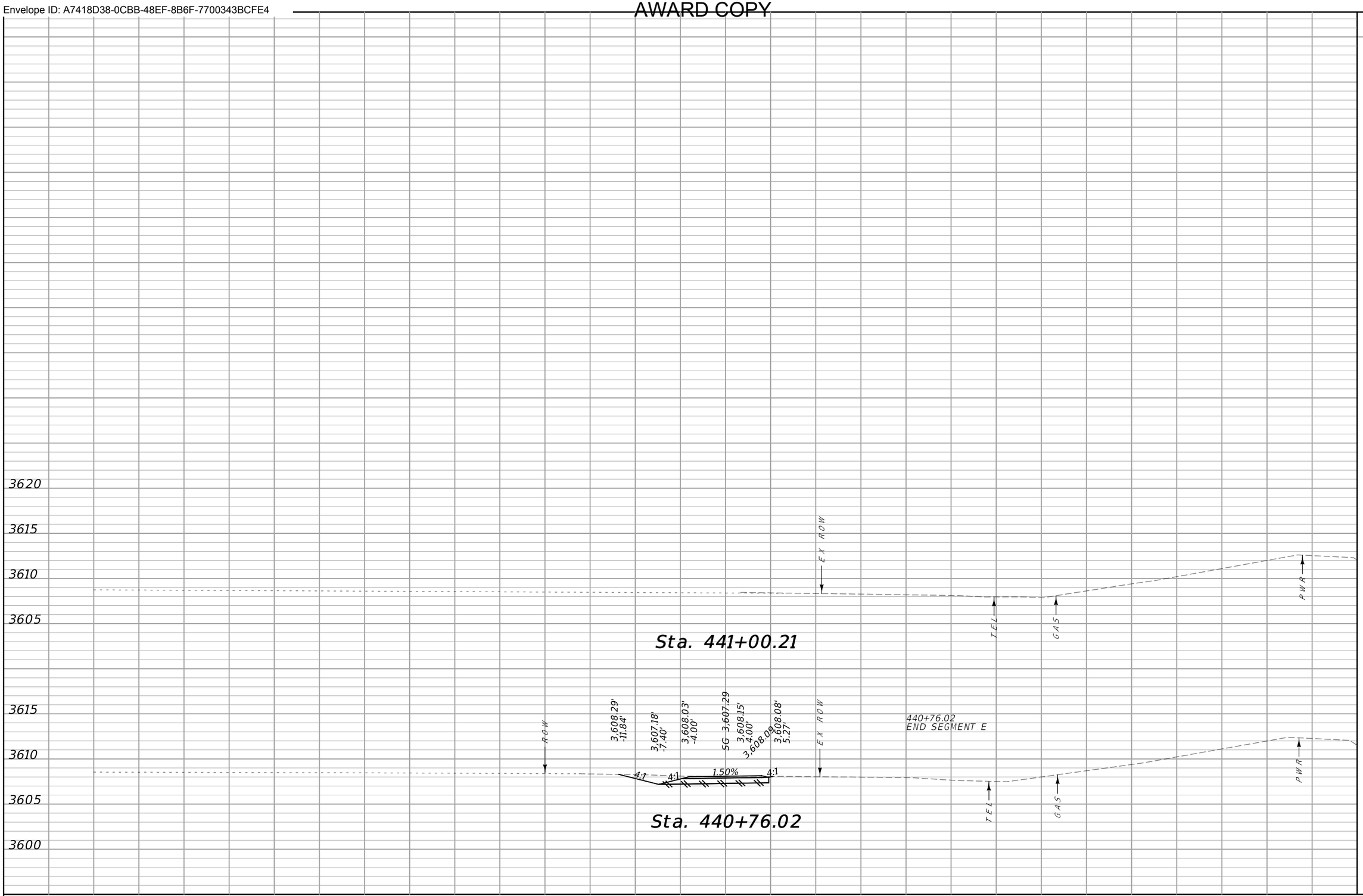
SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA05.dgn	DESIGNED BY	CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY	STILLWATER COUNTY	UPN 9449000	SHEET 89
	10:44:34 AM kedam	CHECKED BY			

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CUT	FILL
12	0



SANDERSON STEWART

MDT MONTANA DEPARTMENT OF TRANSPORTATION	...\9449000\RD\9449000RDLA05.DGN	DESIGNED BY		CROSS SECTIONS E	HWY 78 PATH & WALKS - COLUMBUS	TA 48(55)
	1/13/2022	REVIEWED BY		STILLWATER COUNTY	UPN 9449000	SHEET 90
	10:44:38 AM kedam	CHECKED BY				