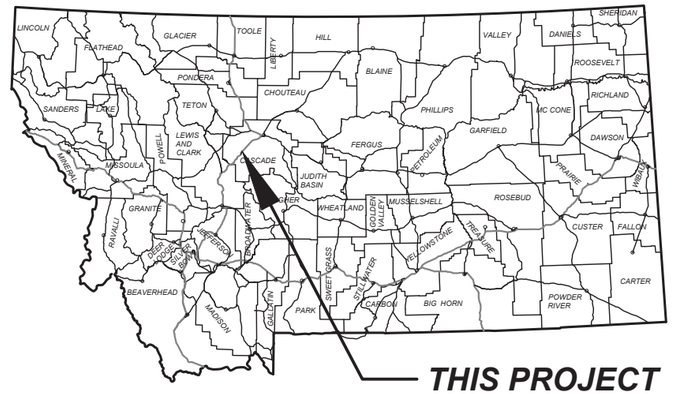
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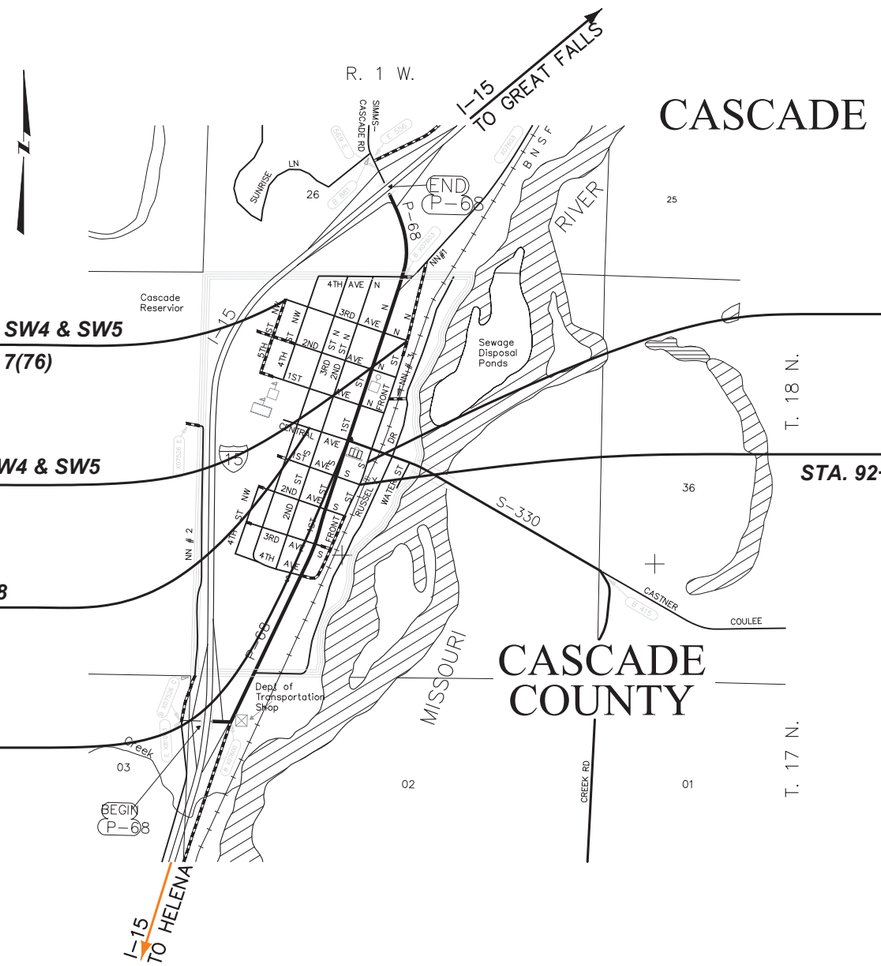
FEDERAL AID PROJECT TA 7(76)

SIDEWALKS, ADA CURB RAMPS

SIDEWALKS PHASE III - CASCADE

CASCADE COUNTY

LENGTH NA MILES



THIS CONTRACT

5 BLOCKS ON 3RD AVE N
1.5 BLOCKS ON CENTRAL AVE
0.5 BLOCKS ON FRONT ST S

PLANS PREPARED BY

GreatWest ENGINEERING

ASSOCIATED PROJECT AGREEMENT NUMBERS	
R/W	
I.C.	
P.E.	TA 7(75)

GREAT WEST ENGINEERING

DocuSigned by:
BY
E771FA6EA1584B5...
DATE 2/5/2024

MONTANA JAMES THEYS 15402 P.E. LICENSED PROFESSIONAL ENGINEER

MONTANA DEPARTMENT OF TRANSPORTATION

RECEIVED :
DocuSigned by:
BY Kelly Williams
CONSULTANT DESIGN ENGINEER
EF7F6DDAB6A7471...
2/5/2024
DATE

SHEET NO. 1

PROJECT NAME SIDEWALKS PHASE III - CASCADE
COUNTY CASCADE COUNTY
PROJECT ID TA 7(76)
UPN 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
11-22-23	R. HOLM	J. THEYS	L. DUNLAP

10105000RDTTL201.DWG

MONTANA Department of Transportation

ROAD PLANS

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NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3700 LBS. PER CUBIC YARD
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 3855 LBS. PER CUBIC YARD
ASPHALT CEMENT - GRADE S - 3/8" AGG.	= 6.2% OF PL.MIX BIT.SURF.
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ.YARD (UNDILUTED)

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.

STATIONING

STATIONING ON THIS PROJECT RUNS FROM WEST TO EAST ON 3RD AVE N AND CENTRAL AVE W, AND FROM SOUTH TO NORTH ON FRONT ST S.

APPROACHES

SURFACE ALL APPROACHES TO THE CONSTRUCTION LIMITS SHOWN ON PLANS USING THE NOTED APPROACHES SURFACING SECTION. CONSTRUCT ALL APPROACHES TO THE WIDTHS SPECIFIED IN THE APPROACHES SUMMARY FRAME. ALL APPROACH QUANTITIES ARE MEASURED AS ADDITIONAL SURFACING.

PROVIDE THE FOLLOWING SURFACING SECTIONS FOR APPROACHES AS DENOTED IN THE SURFACING SUMMARY FRAME. SAW-CUT AND TACK ALL APPROACHES, SEE CROSS SECTIONS FOR LIMITS:

SURFACING SECTION A

CRUSHED AGGREGATE COURSE DEPTH = 0.50 FT

SURFACING SECTION B

PLANT MIX BITUMINOUS SURFACING DEPTH = 0.25 FT
CRUSHED AGGREGATE COURSE DEPTH = 0.50 FT

SURFACING SECTION C

CONCRETE SIDEWALK DEPTH = 0.50 FT
CRUSHED AGGREGATE COURSE DEPTH = 0.33 FT

WETLANDS

WETLANDS MAY EXIST ADJACENT TO THE SIDEWALKS AND BEYOND THE PROJECT LIMITS. A WETLAND DELINEATION HAS NOT BEEN COMPLETED FOR THIS PROJECT. IMPACTS TO WETLAND AREAS ARE NOT ANTICIPATED IN ASSOCIATION WITH THE PROPOSED WORK. NO PERMITS HAVE BEEN OBTAINED. ANY ACTION IMPACTING WETLAND AREAS WITHOUT THE APPROPRIATE PERMITTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

CONCRETE AND ASPHALT SAW-CUTS

SAW-CUT ALL CONCRETE AND ASPHALT CONNECTIONS TO A NEAT EDGE. SEE SPECIAL PROVISIONS.

RIGHT-OF-WAY

RIGHT-OF-WAY WAS DETERMINED BASED ON RECORDED CERTIFICATES OF SURVEY AND ORIGINAL TOWNSITE PLATS.

DO NOT DISTURB

31+20 - RETAINING WALL
32+19 TO 33+13 - FENCE
61+50 - LANDSCAPING
70+20 - BUILDING
71+25 - BUILDING
80+50 - BUILDING
81+50 - BUILDING
90+78 TO 91+49 - FENCE

APPROACHES (FOR INFORMATION ONLY)

STATION	TYPE	linear feet WIDTH	RADIUS # LEFT	RADIUS # RIGHT	EXISTING SURFACING	APPROACH SURF. SECTION	tons COMMERCIAL MIX-3/8" 58V-34	cu. yards CRUSHED AGG. COURSE	gallons EMULSIFIED ASPHALT TACK	sq. yards 6" CONCRETE SIDEWALK	REMARKS
31+50	PRIVATE	20	~	~	GRAVEL	A		4			LT OF SW3
32+07	PRIVATE	23	~	~	GRAVEL	A		4			LT OF SW3
40+80	PRIVATE	20	~	~	GRAVEL	A		2			LT OF SW4
42+35	PRIVATE	30	~	~	GRAVEL	A		6			LT OF SW4
50+92	PRIVATE	67	~	~	ASPHALT	B	6	6	2		LT OF SW5
52+70	PRIVATE	18	~	~	CONC.	C		1		4.0	LT OF SW5
60+49	PRIVATE	18	~	~	CONC.	C		2		8.0	LT AND RT OF SW6
71+56	PRIVATE	24	~	~	ASPHALT	B	1	1	1		LT OF SW8
80+97	PRIVATE	76	~	~	CONC.	C		1		8.4	RT OF SW8
92+08	PRIVATE	30	~	~	GRAVEL	A		3			LT OF SW9
SUBTOTAL	**PRIVATE**						**7**	**30**	**3**	**20.4**	
21+86	PUBLIC	20	~	~	GRAVEL	A		4			LT OF SW2
31+85	PUBLIC	20	~	~	GRAVEL	A		4			LT OF SW3
41+85	PUBLIC	20	~	~	GRAVEL	A		2			LT OF SW4
51+77	PUBLIC	20	~	~	GRAVEL	A		2			LT OF SW5
60+19	PUBLIC	18	~	~	GRAVEL	A		3			LT AND RT OF SW6
70+39	PUBLIC	18	~	~	GRAVEL	A		3			LT AND RT OF SW7
81+70	PUBLIC	20	~	~	ASPHALT	B	1	1	1		LT OF SW8
81+70	PUBLIC	20	~	~	GRAVEL	A		4			RT OF SW8
SUBTOTAL	**PUBLIC**						**1**	**23**	**1**	**0**	
TOTAL							**8**	**53**	**4**	**20.4**	

SHEET NO. 2

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PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

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MONTANA Department of Transportation

ROAD PLANS

11/14/2023 9:39 AM

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SW1 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
10+00.00	PT-START	1,110,703.079	1,421,874.654	BEGIN SW1 ALIGNMENT
10+30.55	PT	1,110,693.385	1,421,903.629	BEGIN TA 7(76) SW1
10+49.59	PC	1,110,687.344	1,421,921.686	L=21.06', R=13.5', △=89.3939°
10+59.43	PT	1,110,687.744	1,421,931.300	END TA 7(76) SW1
10+70.66	PT	1,110,695.729	1,421,938.725	
10+86.47	PT-END	1,110,710.673	1,421,943.902	END SW1 ALIGNMENT

SW2 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
20+00.00	PT-START	1,110,695.815	1,421,975.164	BEGIN SW2 ALIGNMENT
20+15.00	PC	1,110,681.590	1,421,970.405	L=15.71', R=10.0', △=90.0000°, BEGIN TA 7(76) SW2
20+30.71	PT	1,110,668.934	1,421,976.715	
23+28.71	PC	1,110,574.386	1,422,259.319	L=15.71', R=10.0', △=90.0000°
23+44.42	PT	1,110,580.697	1,422,271.975	
23+49.42	PT	1,110,585.438	1,422,273.561	END TA 7(76) SW2
23+59.42	PT-END	1,110,594.922	1,422,276.734	END SW2 ALIGNMENT

SW3 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
30+00.00	PT-START	1,110,584.769	1,422,307.081	BEGIN SW3 ALIGNMENT
30+10.00	PT	1,110,575.286	1,422,303.908	BEGIN TA 7(76) SW3
30+15.00	PC	1,110,570.544	1,422,302.322	L=15.71', R=10.0', △=90.0000°
30+30.71	PT	1,110,557.888	1,422,308.632	
33+28.71	PC	1,110,463.340	1,422,591.236	L=15.71', R=10.0', △=90.0000°
33+44.42	PT	1,110,469.651	1,422,603.892	
33+49.42	PT	1,110,474.393	1,422,605.478	END TA 7(76) SW3
33+59.42	PT-END	1,110,483.876	1,422,608.651	END SW3 ALIGNMENT

SW4 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
40+00.00	PT-START	1,110,473.723	1,422,638.998	BEGIN SW4 ALIGNMENT
40+10.00	PT	1,110,464.240	1,422,635.825	BEGIN TA 7(76) SW4
40+15.00	PC	1,110,459.498	1,422,634.238	L=15.71', R=10.0', △=90.0000°
40+30.71	PT	1,110,446.842	1,422,640.549	
43+19.08	PC	1,110,355.349	1,422,914.022	L=23.56', R=15.0', △=90.0000°
43+42.64	PT	1,110,364.815	1,422,933.006	END TA 7(76) SW4
43+57.64	PT-END	1,110,379.040	1,422,937.765	END SW4 ALIGNMENT

SW5 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
50+00.00	PT-START	1,110,366.528	1,422,973.945	BEGIN SW5 ALIGNMENT
50+04.74	PT	1,110,362.037	1,422,972.435	BEGIN TA 7(76) SW5
50+13.08	PC	1,110,354.135	1,422,969.776	L=23.59', R=15.0', △=90.0965°
50+36.66	PT	1,110,335.127	1,422,979.234	
53+14.03	PT	1,110,247.124	1,423,242.272	END TA 7(76) SW5
53+29.06	PT	1,110,241.572	1,423,256.232	
53+47.07	PT-END	1,110,231.577	1,423,271.222	END SW5 ALIGNMENT

SW6 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
60+00.00	PT-START	1,109,167.258	1,421,980.151	BEGIN SW6 ALIGNMENT
60+10.00	PT	1,109,164.086	1,421,989.635	BEGIN TA 7(76) SW6
61+80.02	PT	1,109,110.143	1,422,150.868	END TA 7(76) SW6
61+90.02	PT-END	1,109,106.970	1,422,160.352	END SW6 ALIGNMENT

SW7 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
70+00.00	PT-START	1,109,061.563	1,422,293.477	BEGIN SW7 ALIGNMENT
70+10.00	PT	1,109,058.390	1,422,302.960	BEGIN TA 7(76) SW7
71+67.92	PT	1,109,008.285	1,422,452.724	END TA 7(76) SW7
71+69.42	PT-END	1,109,007.809	1,422,454.139	END SW7 ALIGNMENT

SW8 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
80+00.00	PT-START	1,109,039.939	1,422,149.534	BEGIN SW8 ALIGNMENT
80+11.26	PT	1,109,036.366	1,422,160.216	BEGIN TA 7(76) SW8
81+79.68	PI	1,108,982.930	1,422,319.935	
81+84.71	PI	1,108,981.795	1,422,324.828	END TA 7(76) SW8
81+91.12	PT-END	1,108,979.314	1,422,330.743	END SW8 ALIGNMENT

SW9 CENTERLINE COORDINATE TABLE

STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
90+00.00	PT-START	1,108,426.168	1,422,624.945	START SW9 ALIGNMENT
90+09.31	PT	1,108,424.033	1,422,633.952	BEGIN TA 7(76) SW9
90+05.21	PC	1,108,424.511	1,422,629.885	L=15.72', R=10.0', △=90.0465°
90+20.93	PT	1,108,430.821	1,422,642.550	
92+36.06	PT	1,108,634.839	1,422,710.806	END TA 7(76) SW9
92+41.06	PT-END	1,108,639.581	1,422,712.392	END SW9 ALIGNMENT

SHEET NO. 3

CENTERLINE COORDINATE TABLES

PROJECT NAME SIDEWALKS PHASE III - CASCADE

COUNTY CASCADE COUNTY

PROJECT ID TA 7(76)

UPN 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

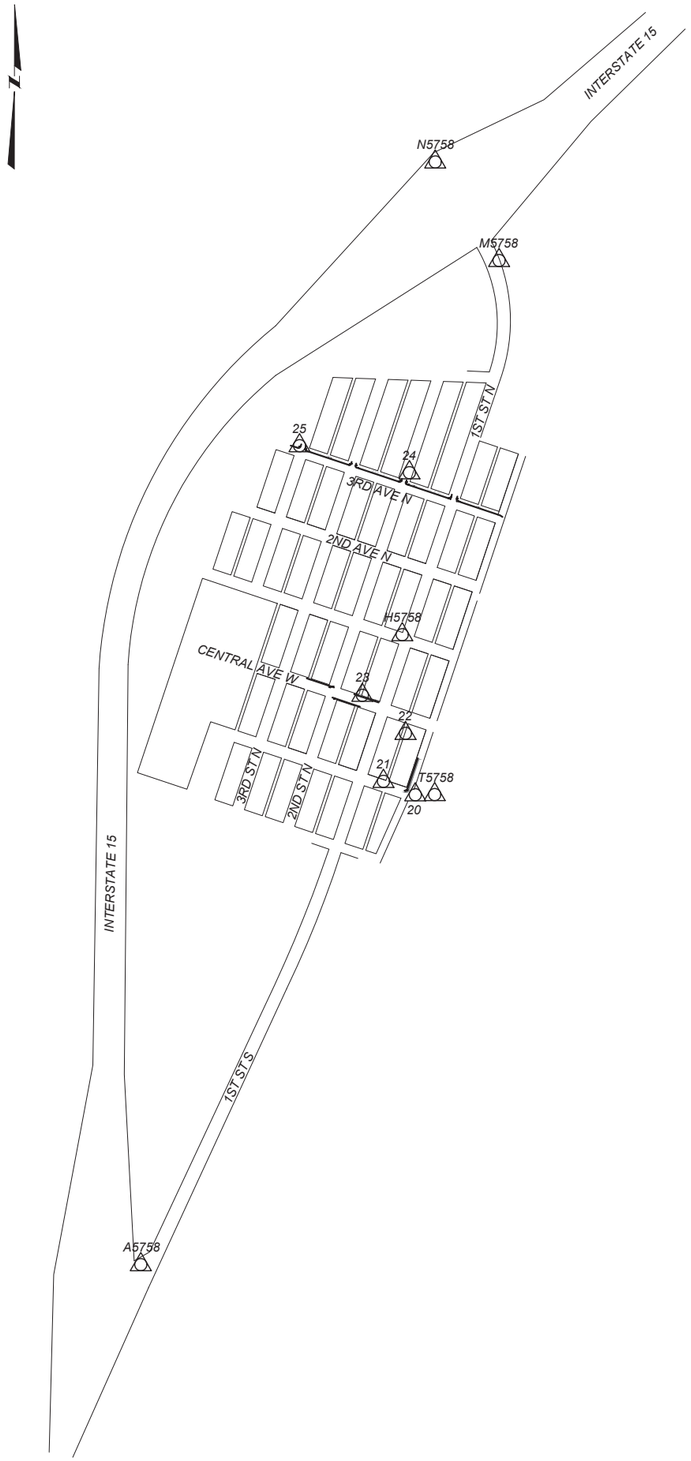
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MONTANA Department of Transportation

ROAD PLANS

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CONTROL DIAGRAM

SCALE: 1" = 1000'

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 0.99924330.

CONTROL ABSTRACT

POINT NAME/NUMBER	N OR Y COORDINATE	E OR X COORDINATE	POINT ELEVATION	LOCATION AND DESCRIPTION
20	1,108,398.601	1,422,696.257	3382.71	GWE CONTROL CAP ON 5/8" REBAR, FLUSH WITH GROUND, 34.5' EAST OF EXISTING EDGE OF PAVEMENT, 67.0' SOUTHEAST OF FIRE HYDRANT, 63.3' EAST OF MANHOLE COVER.
21	1,108,487.285	1,422,486.189	3386.62	GWE CONTROL CAP ON 5/8" REBAR, FLUSH WITH GROUND
22	1,108,803.733	1,422,631.498	3387.47	GWE CONTROL CAP ON 5/8" REBAR, FLUSH WITH GROUND
23	1,109,055.016	1,422,346.890	3395.98	GWE CONTROL CAP ON 5/8" REBAR, FLUSH WITH GROUND, 16.4' NORTH OF POWER POLE, 12.8' EAST OF MANHOLE COVER, 51.4' NORTHWEST OF EDGE OF BUILDING.
24	1,110,523.996	1,422,657.730	3383.03	GWE CONTROL CAP ON 5/8" REBAR, FLUSH WITH GROUND, 5.0' NORTHWEST OF EXISTING FENCELINE, 4.2' WEST OF EXISTING EDGE OF PAVEMENT.
25	1,110,701.929	1,421,932.521	3418.82	GWE CONTROL CAP ON 5/8" REBAR, FLUSH WITH GROUND, 14.6' NORTHEAST OF POWER POLE, 3.1' WEST OF EXISTING EDGE OF SIDEWALK, 7.8' NORTH OF YIELD SIGN.
A5758	1,105,298.164	1,420,884.982	3390.23	2" MDT ALUMINUM CONTROL CAP STAMPED "A5758 2005" ON A 5/ 8" REBAR, FLUSH WITH GROUND, AT RP 0.074, 79.6' LEFT OF CENTERLINE PTW, 54.0' EAST OF FENCE, 73.7' SOUTHEAST OF FENCE CORNER, 1.0' EAST OF A WITNESS POST.
H5758	1,109,455.158	1,422,610.077	3387.41	2" MDT ALUMINUM CONTROL CAP STAMPED "H5758 2005" ON A 5/ 8" REBAR, FLUSH WITH GROUND, AT RP 0.925, 37.7' LEFT OF CENTERLINE OF PTW, 4.3' SOUTH OF EDGE OF SIDEWALK, 6.3' SOUTHEAST OF POWER POLE.
M5758	1,111,924.094	1,423,249.303	3376.61	2" MDT ALUMINUM CONTROL CAP STAMPED "M5758 2005" ON A 5/ 8" REBAR, FLUSH WITH GROUND, AT RP 1.407, 50.3' RIGHT OF CENTERLINE OF PTW, 18.0' NORTH OF SIGN, 1.0' SOUTH OF A WITNESS POST.
N5758	1,112,574.296	1,422,827.770	3394.48	2" MDT ALUMINUM CONTROL CAP STAMPED "N5758 2005" ON A 5/ 8" REBAR, FLUSH WITH GROUND, AT RP 1.550,74.4' LEFT OF CENTERLINE OF PTW, 42.0' SOUTHWEST OF SIGN, 82.6' NORTHWEST OF FENCE CORNER, 1.0' NORTH OF A WITNESS POST.
T5758	1,108,399.984	1,422,824.299	3383.33	2" MDT ALUMINUM CONTROL CAP STAMPED "T5758 2009" ON A 5/ 8" REBAR, FLUSH WITH GROUND, LOCATED 450' SOUTH OF CENTRAL AVE, 38.3' WEST OF RUSSELL DRIVE CENTERLINE, 13.5' EAST OF THE FAR EAST RAILROAD TRACK, 8.3' EAST OF THE FACE OF A RAILROAD TIMBER LOADING DOCK, 3' EAST OF A WITNESS POST.

BEARING SOURCE

GRID -- MONTANA COORDINATE SYSTEM NAD 83-2011

LEVEL DATUM SOURCE

NAVD 88 (GNSS DERIVED ELEVATIONS USING GEOID 18 AND HOLDING BMS H5758)

SHEET NO. 4

CONTROL DIAGRAM

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

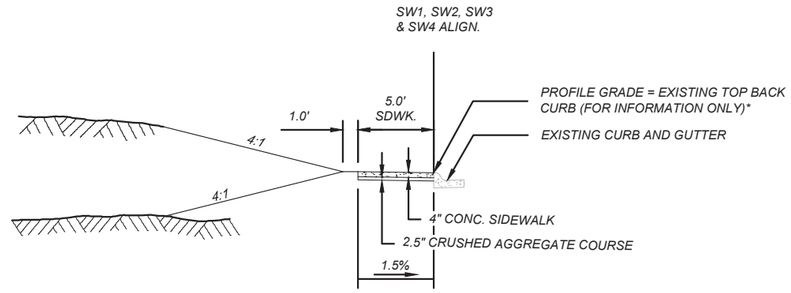
	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

MONTANA Department of Transportation
ROAD PLANS
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TYPICAL SECTION NO. 1
SW1, SW2, SW3, & SW4

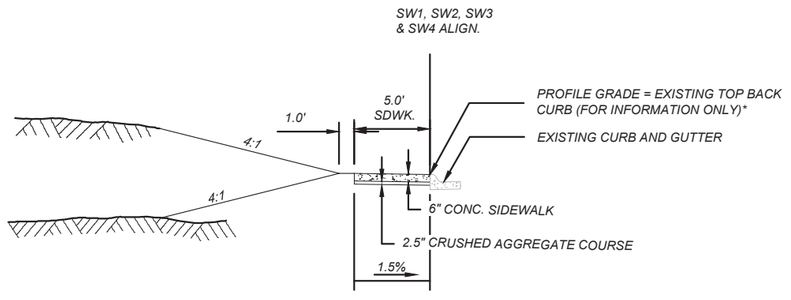
10+30.55	TO	10+59.44	BEGIN AND END ALIGNMENT SW1
20+15.00	TO	21+75.53	BEGIN ALIGNMENT SW2, THEN TO TYP. NO. 2
21+95.53	TO	23+49.42	END ALIGNMENT SW2
30+10.00	TO	31+40.21	BEGIN ALIGNMENT SW3, THEN TO TYP. NO. 2
31+60.21	TO	31+75.21	THEN TO TYP. NO. 2
32+18.21	TO	33+49.42	END ALIGNMENT SW3
40+10.00	TO	40+69.71	BEGIN ALIGNMENT SW4, THEN TO TYP. NO. 2
40+89.71	TO	41+75.26	THEN TO TYP. NO. 2
41+95.26	TO	42+20.39	THEN TO TYP. NO. 2
42+50.39	TO	43+42.64	END ALIGNMENT SW4



*EXISTING TOP BACK OF CURB DESIGN PROFILE PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO MATCH EDGE OF SIDEWALK TO EXISTING TOP BACK OF CURB.

TYPICAL SECTION NO. 2
SW1, SW2, SW3, & SW4

21+75.53	TO	21+95.53	THEN TO TYP. NO. 1
31+40.21	TO	31+60.21	THEN TO TYP. NO. 1
31+75.21	TO	32+18.21	THEN TO TYP. NO. 1
40+69.71	TO	40+89.71	THEN TO TYP. NO. 1
41+75.26	TO	41+95.26	THEN TO TYP. NO. 1
42+20.39	TO	42+50.39	THEN TO TYP. NO. 1



*EXISTING TOP BACK OF CURB DESIGN PROFILE PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO MATCH EDGE OF SIDEWALK TO EXISTING TOP BACK OF CURB.

SHEET NO. 5

TYPICAL SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
11-22-23	R. HOLM	J. THEYS	L. DUNLAP

10105000RDTYPZ01.DWG

MONTANA Department of Transportation

ROAD PLANS

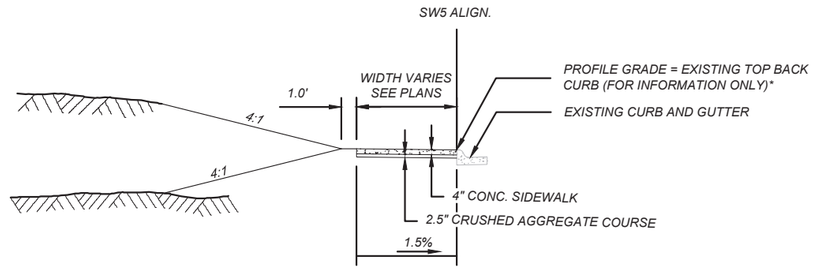
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TYPICAL SECTION NO. 3
SW5

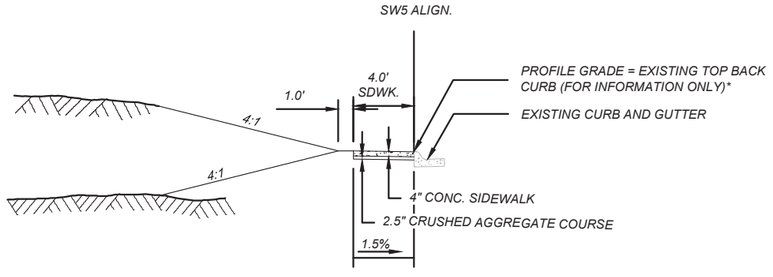
50+04.74 TO 50+58.89 BEGIN ALIGNMENT SW5, THEN TO TYP. NO. 5



*EXISTING TOP BACK OF CURB DESIGN PROFILE PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO MATCH EDGE OF SIDEWALK TO EXISTING TOP BACK OF CURB.

TYPICAL SECTION NO. 4
SW5

51+25.89 TO 51+67.03 THEN TO TYP. NO. 5
51+87.03 TO 52+60.62 THEN TO TYP. NO. 5
52+73.62 TO 53+14.03 END ALIGNMENT SW5



*EXISTING TOP BACK OF CURB DESIGN PROFILE PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO MATCH EDGE OF SIDEWALK TO EXISTING TOP BACK OF CURB.

SHEET NO. 6

TYPICAL SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDTYP201.DWG

MONTANA Department of Transportation

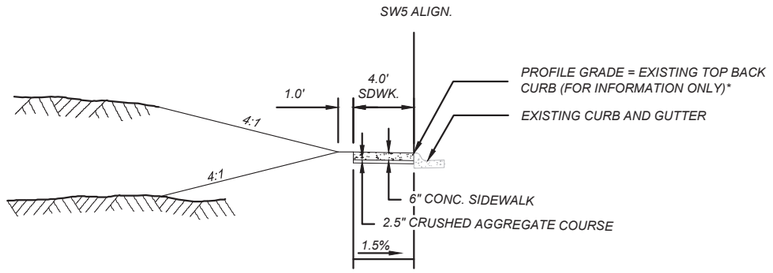
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TYPICAL SECTION NO. 5
SW5

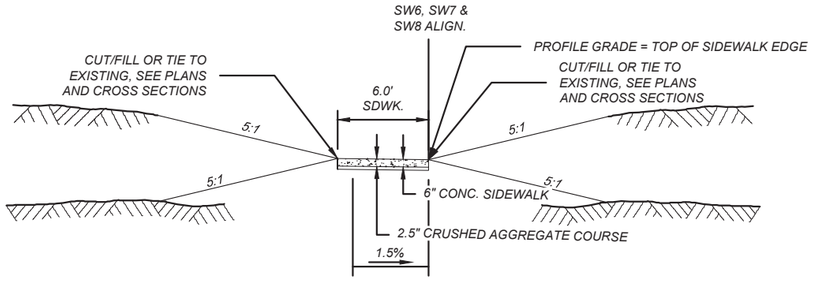
50+58.89	TO	51+25.89	THEN TO TYP. NO. 4
51+67.03	TO	51+87.03	THEN TO TYP. NO. 4
52+60.62	TO	52+73.62	THEN TO TYP. NO. 4



*EXISTING TOP BACK OF CURB DESIGN PROFILE PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO MATCH EDGE OF SIDEWALK TO EXISTING TOP BACK OF CURB.

TYPICAL SECTION NO. 6
SW6, SW7 & SW8*

60+10.00	TO	60+28.00	BEGIN ALIGNMENT SW6, THEN TO TYP. NO. 7
60+40.29	TO	60+58.29	THEN TO TYP. NO. 7
70+29.64	TO	70+49.64	THEN TO TYP. NO. 7
80+59.00	TO	81+35.00	THEN TO TYP. NO. 7
81+59.68	TO	81+79.68	THEN TO TYP. NO. 7



*MIRROR TYPICAL SECTION FOR SW8 ALIGNMENT

SHEET NO. 7

TYPICAL SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
11-22-23	R. HOLM	J. THEYS	L. DUNLAP

10105000RDTYP201.DWG

MONTANA Department of Transportation

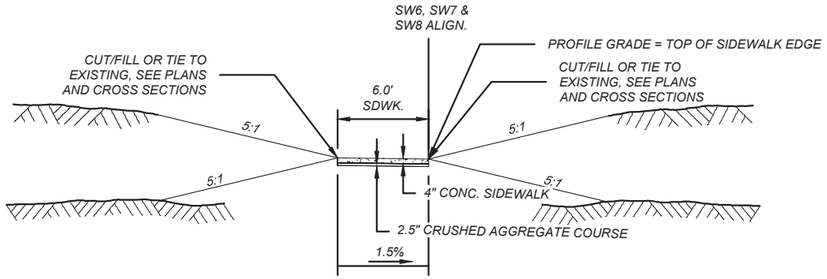
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TYPICAL SECTION NO. 7
SW6, SW7 & SW8*

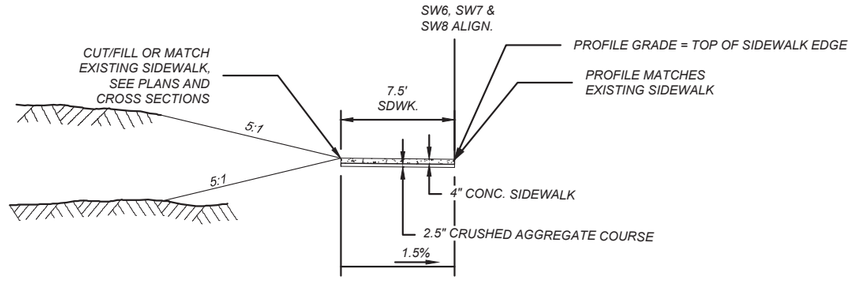
60+28.00	TO	60+40.29	THEN TO TYP. NO. 6
60+58.29	TO	61+80.02	END ALIGNMENT SW6
70+49.64	TO	71+04.07	BEGIN GAP IN SIDEWALK, THEN TO TYP. NO. 9
80+11.26	TO	80+59.00	BEGIN ALIGNMENT SW8, THEN TO TYP. NO. 6
81+35.00	TO	81+59.68	THEN TO TYP. NO. 6
81+79.68	TO	81+84.71	END ALIGNMENT SW8



*MIRROR TYPICAL SECTION FOR SW8 ALIGNMENT

TYPICAL SECTION NO. 8
SW7

70+10.00	TO	70+29.64	BEGIN ALIGNMENT SW 7, THEN TO TYP. NO. 6



SHEET NO. 8

TYPICAL SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDTYPZ01.DWG

MONTANA Department of Transportation

ROAD PLANS

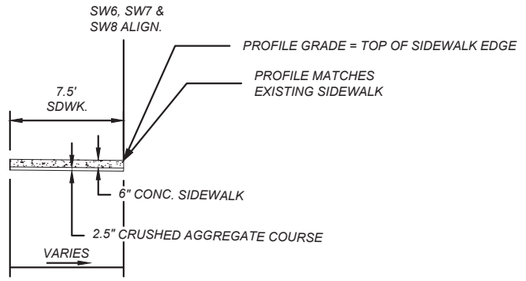
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AWARD COPY

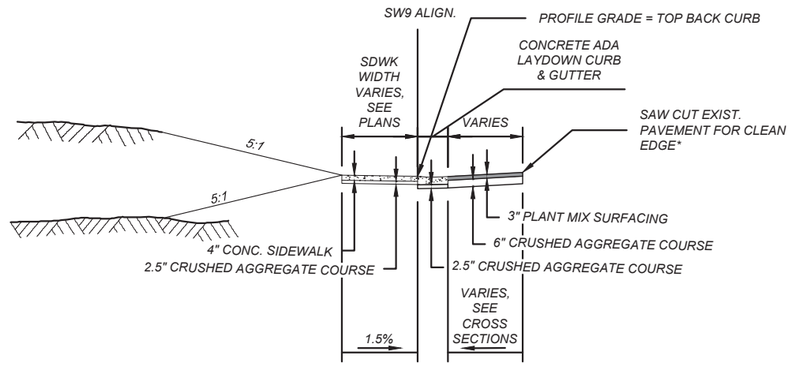
TYPICAL SECTION NO. 9
SW7

71+44.42 TO 71+67.92 END ALIGNMENT SW7



TYPICAL SECTION NO. 10
SW9

90+09.33 TO 90+20.93 BEGIN ALIGNMENT SW9
90+20.93 TO 90+30.93 TRANSITION TYP. 10 TO TYP. 11



*APPLY TACK COAT ON SAW CUT IMMEDIATELY PRIOR TO PLACING NEW PMS. ALL WORK ASSOCIATED WITH TACK COAT APPLICATION IS INCIDENTAL TO COMMERCIAL PLANT MIX 58V-34.

SHEET NO. 9

TYPICAL SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDTYP201.DWG

MONTANA Department of Transportation

ROAD PLANS

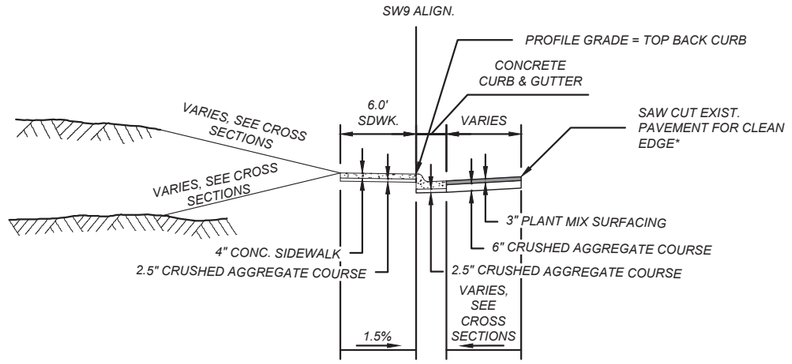
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TYPICAL SECTION NO. 11
SW9

90+30.93 TO 91+87.55
91+87.55 TO 91+92.55 **TRANSITION TYP. 11 TO TYP. 12

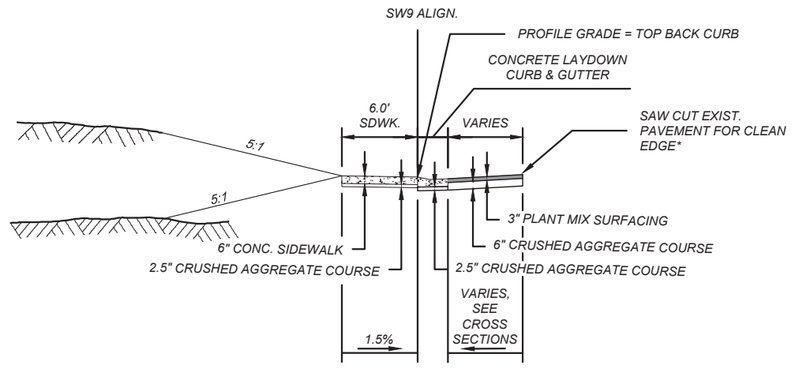
**TRANSITION FOR CURB HEIGHT ONLY, UTILIZE 4" CONC. SIDEWALK AS SHOWN IN TYPICAL 11 UP TO STATION 91+92.55



*APPLY TACK COAT ON SAW CUT IMMEDIATELY PRIOR TO PLACING NEW PMS. ALL WORK ASSOCIATED WITH TACK COAT APPLICATION IS INCIDENTAL TO COMMERCIAL PLANT MIX 58V-34.

TYPICAL SECTION NO. 12
SW9

91+92.55 TO 92+22.55 THEN TO TYP. NO 13



*APPLY TACK COAT ON SAW CUT IMMEDIATELY PRIOR TO PLACING NEW PMS. ALL WORK ASSOCIATED WITH TACK COAT APPLICATION IS INCIDENTAL TO COMMERCIAL PLANT MIX 58V-34.

SHEET NO. 10

TYPICAL SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDTYPZ01.DWG

MONTANA Department of Transportation

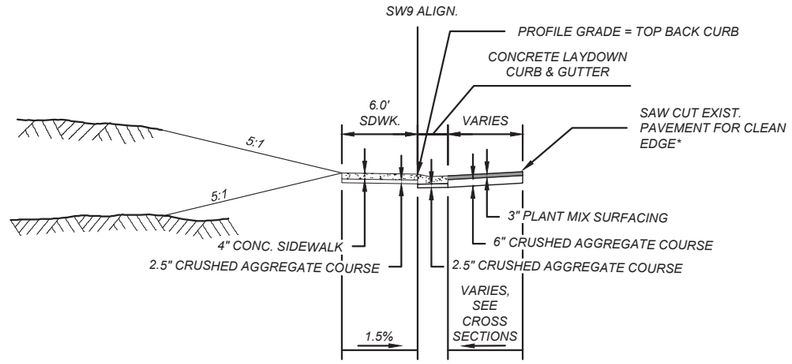
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TYPICAL SECTION NO. 13
SW9

92+22.55 TO 92+31.06
92+31.06 TO 92+36.06 TRANSITION TYP. 13 TO EXISTING, END ALIGNMENT SW9



*APPLY TACK COAT ON SAW CUT IMMEDIATELY PRIOR TO PLACING NEW PMS. ALL WORK ASSOCIATED WITH TACK COAT APPLICATION IS INCIDENTAL TO COMMERCIAL PLANT MIX 58V-34.

SHEET NO. 11

TYPICAL SECTIONS

PROJECT NAME SIDEWALKS PHASE III - CASCADE
COUNTY CASCADE COUNTY
PROJECT ID TA 7(76)
UPN 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

MONTANA Department of Transportation
ROAD PLANS
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SUMMARY

SURFACING

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	tons COMMERCIAL MIX-3/8" 58V-34	cu. yards CRUSHED AGG. COURSE	BITUM. MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
90+09.31	92+36.06						39	41	12	PATCHING FOR NEW GUTTER, SW9
						ADDITIONAL SURFACING	8	53	4	
TOTAL		0.00	0.00	0.00	0.00		47	94	16	

ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

STATION FROM	STATION TO	linear feet GROSS	linear feet NET	linear feet +	linear feet -	FOR	AGGREGATE tons COMMERCIAL MIX-3/8" 58V-34	AGGREGATE cu. yards CRUSHED AGG. COURSE	BITUM. MATERIAL gals. EMULSIFIED ASPHALT TACK	REMARKS
						APPROACHES	8	53	4	SEE APP. SUMMARY FRAME, SHEET 2
SUBTOTAL		~	~	~	~		8	53	4	

REVEGETATION

STATION FROM	STATION TO	lump sum REVEGE-TATION	sq. yards SOD	cu. yards TOPSOIL SALVAGING & PLACING	sq. yards SEED	sq. yards CONDITION SEEDBED	REMARKS
10+30.55	53+14.86	0.7	0	43	384	384	SW1 THRU SW5
60+10.00	81+84.71	0.2	0	10	10	10	SW6 THRU SW8
90+09.31	92+36.04	0.1	21	5	10	10	SW9
TOTAL		1	21	# 58	# 404	# 404	

FOR INFORMATION ONLY

RESET SIGN

STATION	EA. SIGNS	REMARKS
10+52	1	3.6' LT
10+61	1	6.6' LT
23+34	1	4.3' LT
23+39	1	3.1' LT
33+39	1	5.9' LT
33+42	1	3.2' LT
42+00	1	4.7' LT
50+44	1	6.8' LT
61+64	1	5.6' RT
TOTAL	9	

GRADING

STATION FROM	STATION TO	cu. yards STREET EXC.	cu. yards EMB. IN PLACE	REMARKS
10+30.55	10+59.43	2	1	SW1
20+15.00	23+49.42	12	17	SW2
30+10.00	33+49.42	18	13	SW3
40+10.00	43+42.64	28	10	SW4
50+04.74	53+14.86	27	7	SW5
60+10.00	61+80.02	29	1	SW6
70+10.00	71+44.42	20	1	SW7
80+12.00	81+84.71	30	1	SW8
90+09.31	92+36.06	99	5	SW9
TOTAL		# 265	# 56	

FOR INFORMATION ONLY-INCLUDE IN COST OF SIDEWALK

FENCING

STATION FROM	STATION TO	linear feet 4' CHAIN LINK FENCE	linear feet CHAIN LINK GATE	REMARKS
91+49	91+92	43	4	REPLACE EXISTING FENCING, LT
TOTAL		43	4	

CURB

STATION FROM	STATION TO	linear feet CONCRETE CURB AND GUTTER LEFT	linear feet CONCRETE CURB AND GUTTER RIGHT	linear feet REMOVE CURB # LEFT	linear feet REMOVE CURB # RIGHT	REMARKS
90+09.33	90+20.93		11.6		11.6	CONCRETE ADA LAYDOWN CURB & GUTTER
90+20.93	90+25.93		10.0		5.0	CURB TRANSITION
90+25.93	91+87.55		156.6		161.6	CONCRETE CURB & GUTTER
91+87.55	91+92.55		5.0		5.0	CURB TRANSITION
91+92.55	92+31.06		38.5		30.0	CONCRETE LAYDOWN CURB & GUTTER
92+31.06	92+36.06		5.0		5.0	CURB TO EXISTING TRANSITION
SUBTOTAL		0.0	226.7	0.0	218.2	
TOTAL		226.7		~		

FOR INFORMATION ONLY- INCIDENTAL TO CURB AND GUTTER

SHEET NO. 12

SUMMARIES

PROJECT NAME SIDEWALKS PHASE III - CASCADE

COUNTY CASCADE COUNTY

PROJECT ID TA 7(76)

UPN 101050000

CHECKED BY	R. HOLM	11-22-23	
REVIEWED BY	J. THEYS	11-22-23	
DESIGNED BY	L. DUNLAP	11-22-23	10105000RDSUMZ01.DWG

MONTANA Department of Transportation

ROAD PLANS

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SUMMARY

SIDEWALK

STATION		sq. yards								REMARKS
		CONCRETE SIDEWALK				DETECTABLE WARNING DEVICES		REMOVE SIDEWALK #		
		4"		6"		TYPE 1				
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
10+30.55	10+59.43	16.4								SW1, TYP. NO. 1
20+15.00	21+75.53	87.0				1.1				SW2, TYP. NO. 1
21+75.53	21+95.53			11.1						SW2 PUBLIC APP, TYP. NO. 2
21+95.53	23+49.42	83.3				2.0				SW2, TYP. NO. 1
30+10.00	31+40.21	70.2				2.0				SW3, TYP. NO. 1
31+40.21	31+60.21			11.1						SW3 PRIVATE APP, TYP. NO. 2
31+60.21	31+75.21	8.3								SW3, TYP. NO. 1
31+75.21	32+18.21			23.9						SW3 PUBLIC AND PRIVATE APP, TYP. NO. 2
32+18.21	33+49.42	70.7				2.0				SW3, TYP. NO. 1
40+10.00	40+69.71	31.0				2.0				SW4, TYP. NO. 1
40+69.71	40+89.71			11.1						SW4 PRIVATE APP. TYP. NO. 2
40+89.71	41+75.26	47.5								SW4, TYP. NO. 1
41+75.26	41+95.26			11.1						SW4 PUBLIC APP, TYP. NO. 2
41+95.26	42+20.39	14.0								SW4, TYP. NO. 1
42+20.39	42+50.39			16.7						SW4 PRIVATE APP, TYP. NO. 2
42+50.39	43+42.64	49.1				2.2				SW4, TYP. NO. 1
50+04.74	50+58.89	39.9				2.2		15.5		SW5, TYP. NO. 3
50+58.89	51+25.89			29.8						SW5 PRIVATE APP, TYP. NO. 5
51+25.89	51+67.03	18.3								SW5, TYP. NO. 4
51+67.03	51+87.03			8.9						SW5 PUBLIC APP, TYP. NO. 5
51+87.03	52+60.62	32.7								SW5, TYP. NO. 4
52+60.62	52+73.62			5.8				5.7		SW5 PRIVATE APP, TYP. NO. 5
52+73.62	53+14.03	18.0								SW5, TYP. NO. 4
60+10.00	60+28.00			14.0						SW6 PUBLIC APP, TYP. NO. 6, INCLUDES CONCRETE APRON
60+28.00	60+40.29	8.2						9.6		SW6, TYP. NO. 7
60+40.29	60+58.29			12.0				13.0		SW6 PRIVATE APP, TYP. NO. 6
60+58.29	61+80.02	88.7				2.3		98.3		SW6, TYP. NO. 7, INCLUDES CONNECTIONS
70+10.00	70+29.64	16.5						16.5		SW7, TYP. NO. 8
70+29.64	70+49.64			15.9						SW7 PUBLIC APP, TYP. NO. 6, INCLUDES CONCRETE APRON
70+49.64	71+04.07	36.3						38.8		SW7, TYP. NO. 7
71+44.42	71+67.92			19.5						SW7 PUBLIC APP, TYP. NO. 9
80+12.00	80+59.00		31.3				1.1		31.9	SW8, TYP. NO. 7
80+59.00	81+35.00				50.7				50.4	SW8 PRIVATE APP, TYP. NO. 6
81+35.00	81+59.68		16.5						16.2	SW8, TYP. NO. 7
81+59.68	81+79.68				13.3				8.3	SW8 PUBLIC APP, TYP. NO. 6
81+79.68	81+84.71		3.3						3.3	SW8, TYP. NO. 7
90+09.31	90+20.93	4.4				2.2				SW9, TYP. NO. 10
90+20.93	90+30.93	6.7								SW9, TRANS. TYP. NO. 10 TO TYP. NO. 11
90+30.93	91+87.55	104.4								SW9, TYP. NO. 11
91+87.55	91+92.55	3.3								SW9, TRANS. TYP. NO. 11 TO TYP. NO. 12
91+92.55	92+22.55			20.0						SW9, TYP. NO. 12
92+22.55	92+31.06	5.7								SW9, TYP. NO. 13
92+31.06	92+36.06	3.3								SW9, TRANS. TYP. NO. 13 TO EXIST.
ADDITIONAL FOR APPROACHES				8.0	12.4					SEE APP. SUMMARY FRAME ON SHEET 2
SUBTOTAL		**863.9**	**51.1**	**218.9**	**76.4**	**18.0**	**1.1**	**197.4**	**110.1**	
TOTAL		**915.0**		**295.3**		**19.1**		~		

FOR INFORMATION ONLY - INCLUDE IN THE COST OF SIDEWALK

SHEET NO. 13

SUMMARIES

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

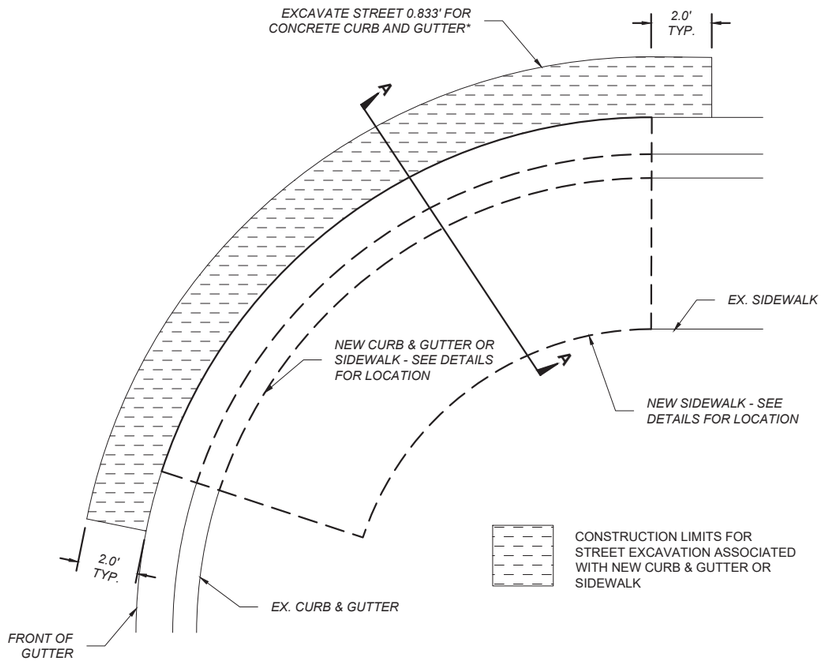
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MONTANA Department of Transportation

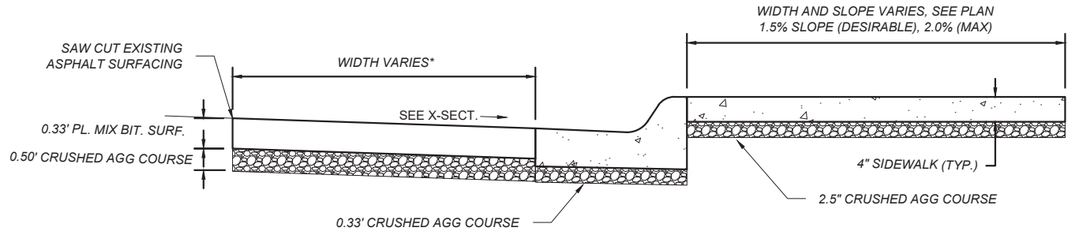
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STREET EXCAVATION LIMITS



SECTION A - A

* SEE SIDEWALK DETAILS FOR LOCATIONS AND SURFACING FRAME FOR ESTIMATED PAYMENT QUANTITIES.

STREET REPLACEMENT DETAIL

STREET EXCAVATION DETAIL

SHEET NO. 14

STREET EXCAVATION

PROJECT NAME	SIDEWALKS PHASE III - CASCADE		
COUNTY	CASCADE COUNTY		
PROJECT ID	TA 7(76)		
UPN	10105000		
DESIGNED BY	L. DUNLAP	11-22-23	
REVIEWED BY	J. THEYS	11-22-23	
CHECKED BY	R. HOLM	11-22-23	

MONTANA Department of Transportation

ROAD PLANS

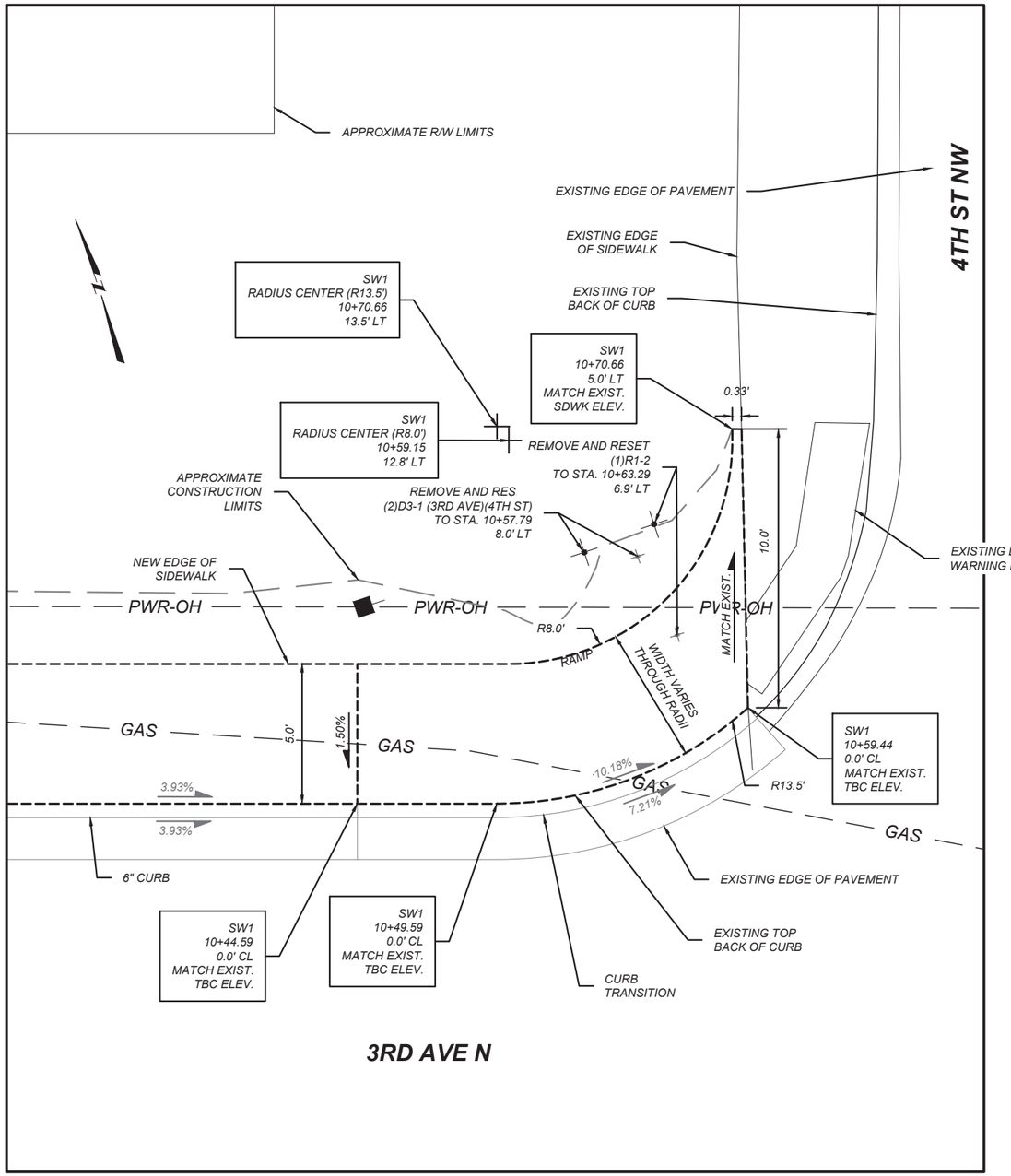
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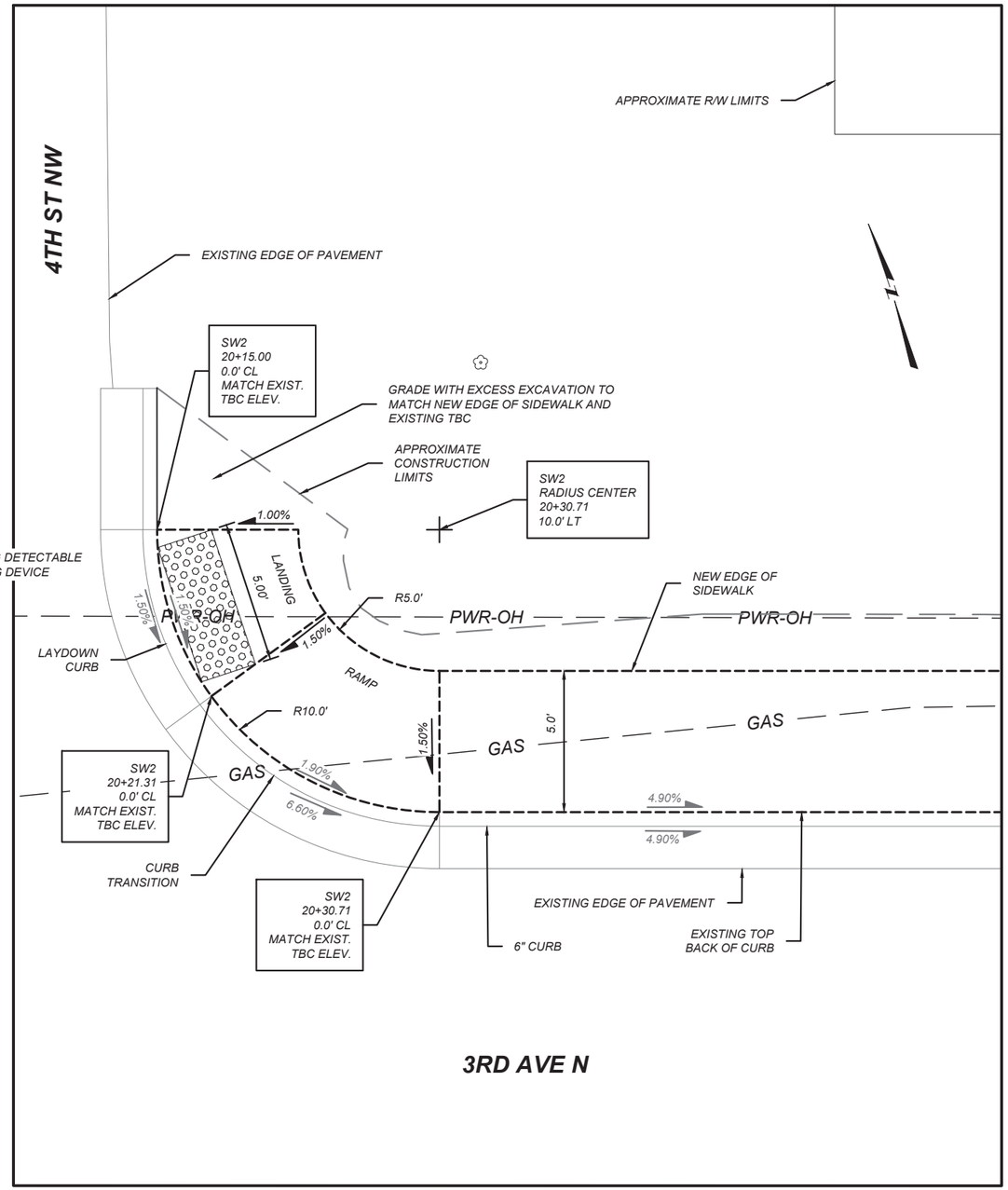
AWARD COPY

INTERSECTION OF 3RD AVE N AND 4TH ST NW
NORTHWEST CORNER



3RD AVE N

INTERSECTION OF 3RD AVE N AND 4TH ST NW
NORTHEAST CORNER



3RD AVE N

LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

(#) TECHNICALLY INFEASIBLE RAMP/LANDING

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

GRADE LABELS ARE FOR INFORMATION ONLY, CONSTRACTOR SHALL USE ELEVATION CALLOUTS FOR CONSTRUCTION

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

3RD AVE N AND 4TH ST NW CURB RAMP DETAILS

1" = 5'

SHEET NO. 15

3RD AVE N AND 4TH ST NW CURB RAMPS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDDET201.DWG

MONTANA Department of Transportation

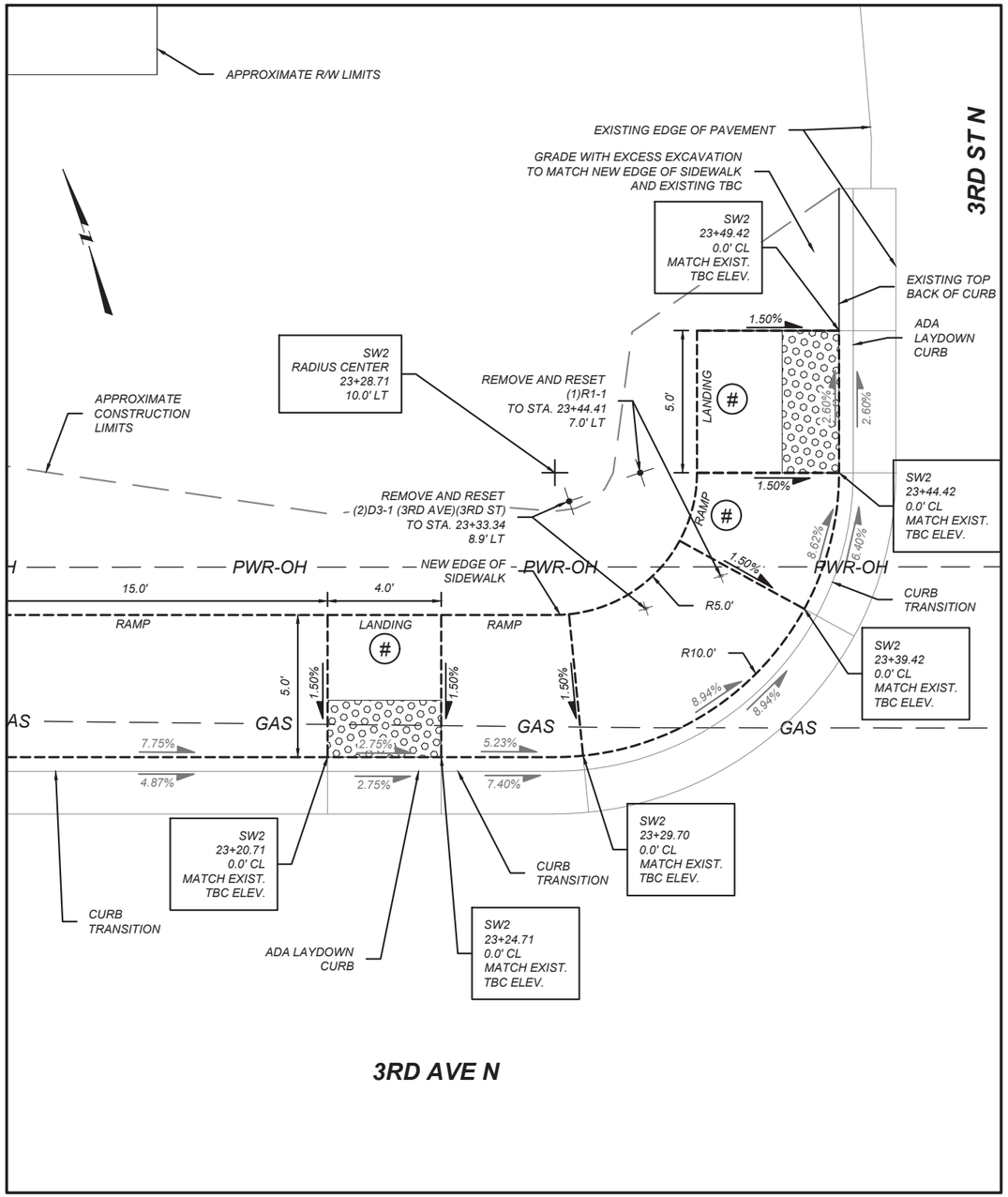
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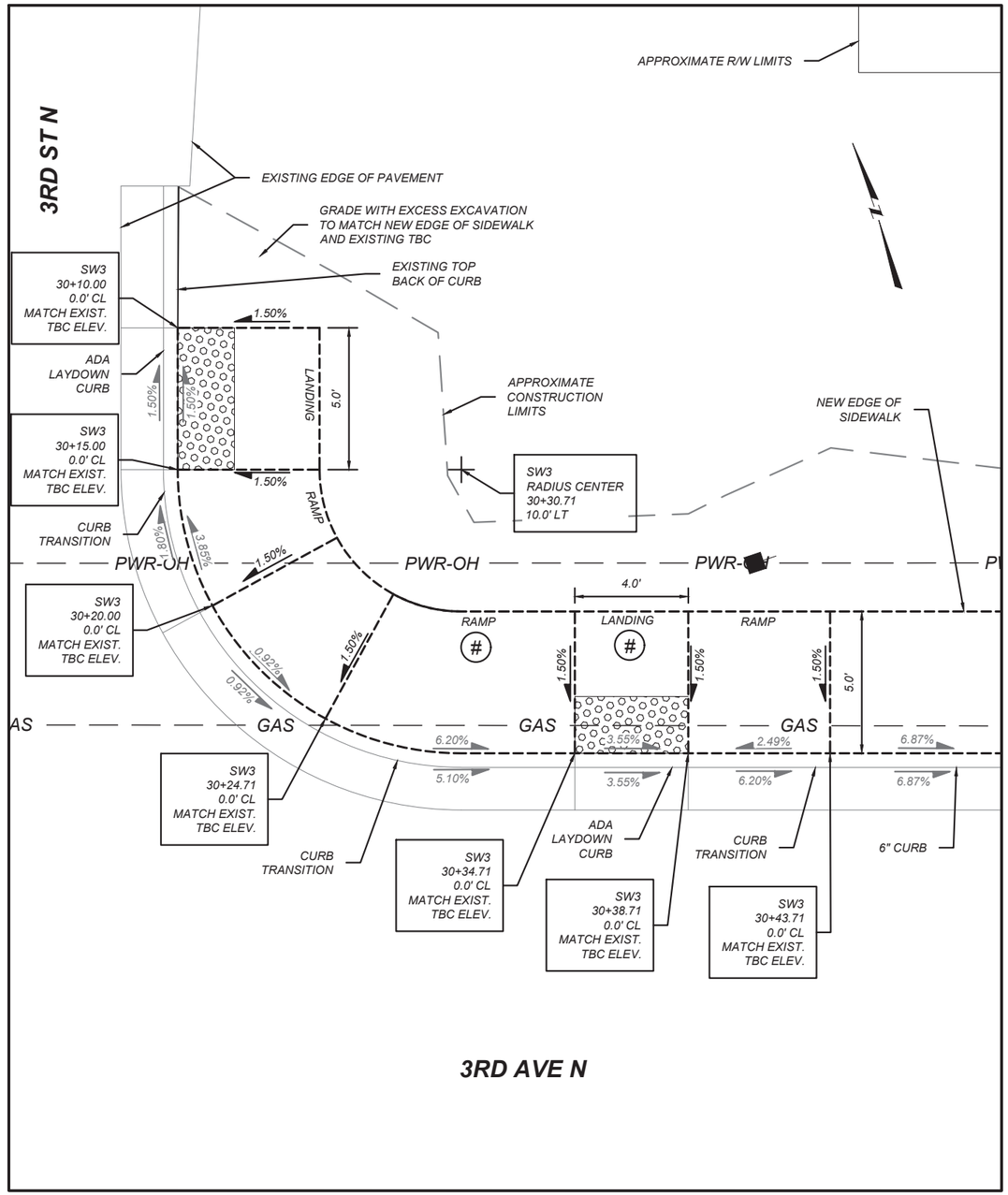
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INTERSECTION OF 3RD AVE N AND 3RD ST N
NORTHWEST CORNER



INTERSECTION OF 3RD AVE N AND 3RD ST N
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

(#) TECHNICALLY INFEASIBLE RAMP/LANDING

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

GRADE LABELS ARE FOR INFORMATION ONLY, CONSTRACTOR SHALL USE ELEVATION CALLOUTS FOR CONSTRUCTION

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

3RD AVE N AND 3RD ST N CURB RAMP DETAILS

1" = 5'

SHEET NO. 16

3RD AVE N AND 3RD ST N CURB RAMPS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDDETZ02.DWG

MONTANA Department of Transportation

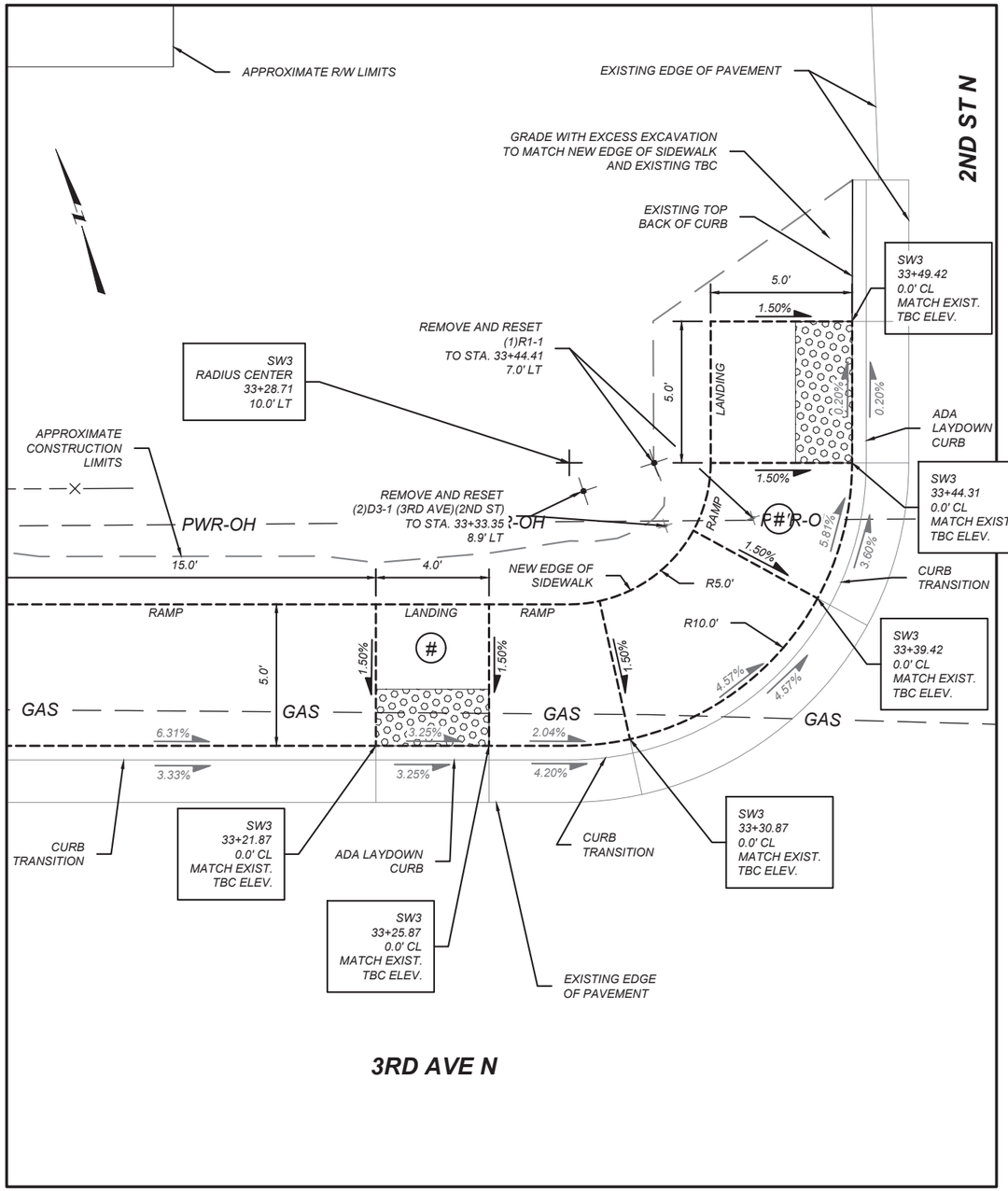
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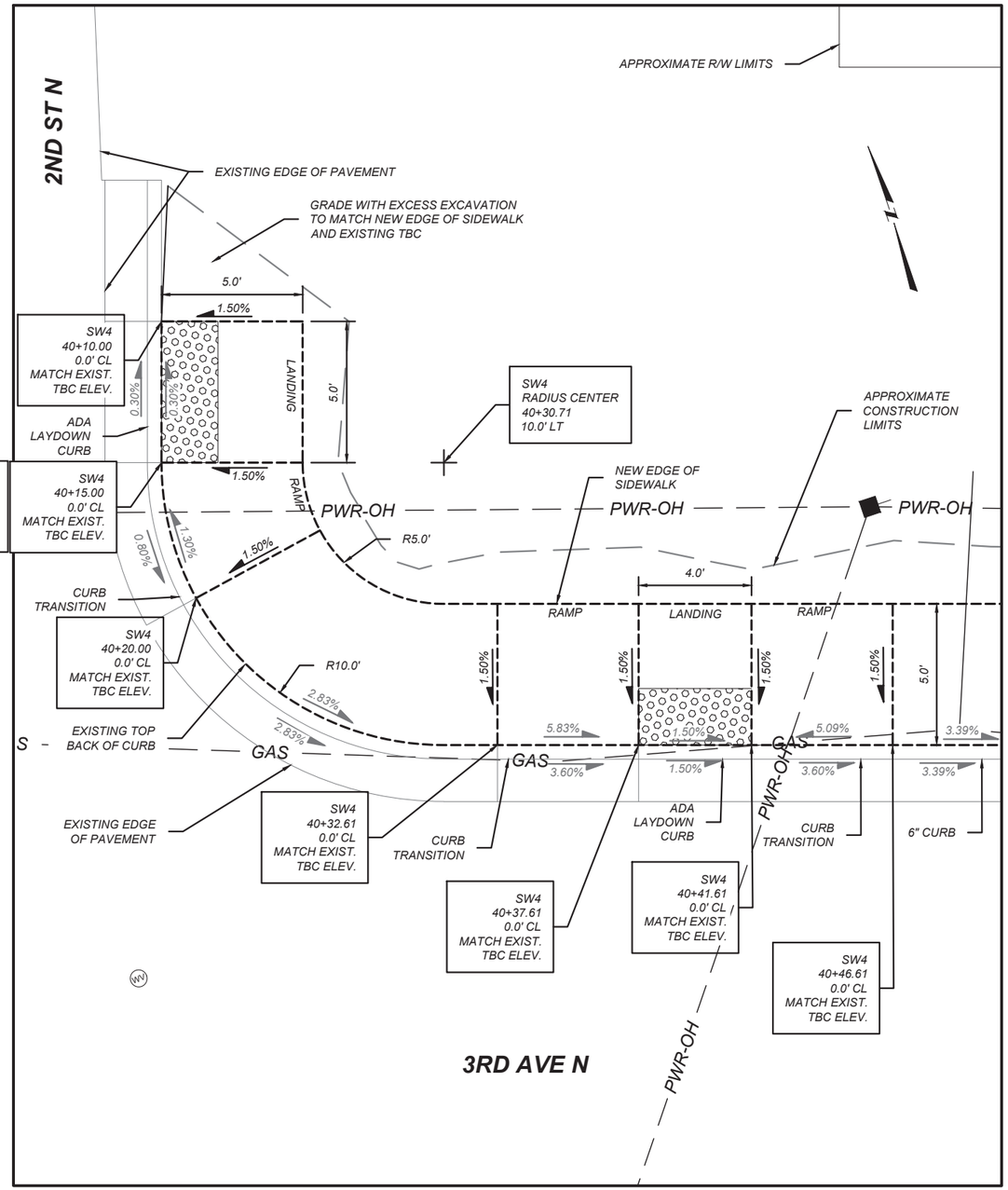
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AWARD COPY

INTERSECTION OF 3RD AVE N AND 2ND ST N
NORTHWEST CORNER



INTERSECTION OF 3RD AVE N AND 2ND ST N
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

(#) TECHNICALLY INFEASIBLE RAMP/LANDING

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

GRADE LABELS ARE FOR INFORMATION ONLY, CONSTRACTOR SHALL USE ELEVATION CALLOUTS FOR CONSTRUCTION

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MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

3RD AVE N AND 2ND ST N CURB RAMP DETAILS

1" = 5'

SHEET NO. 17

3RD AVE N AND 2ND ST N CURB RAMPS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDDET203.DWG

MONTANA Department of Transportation

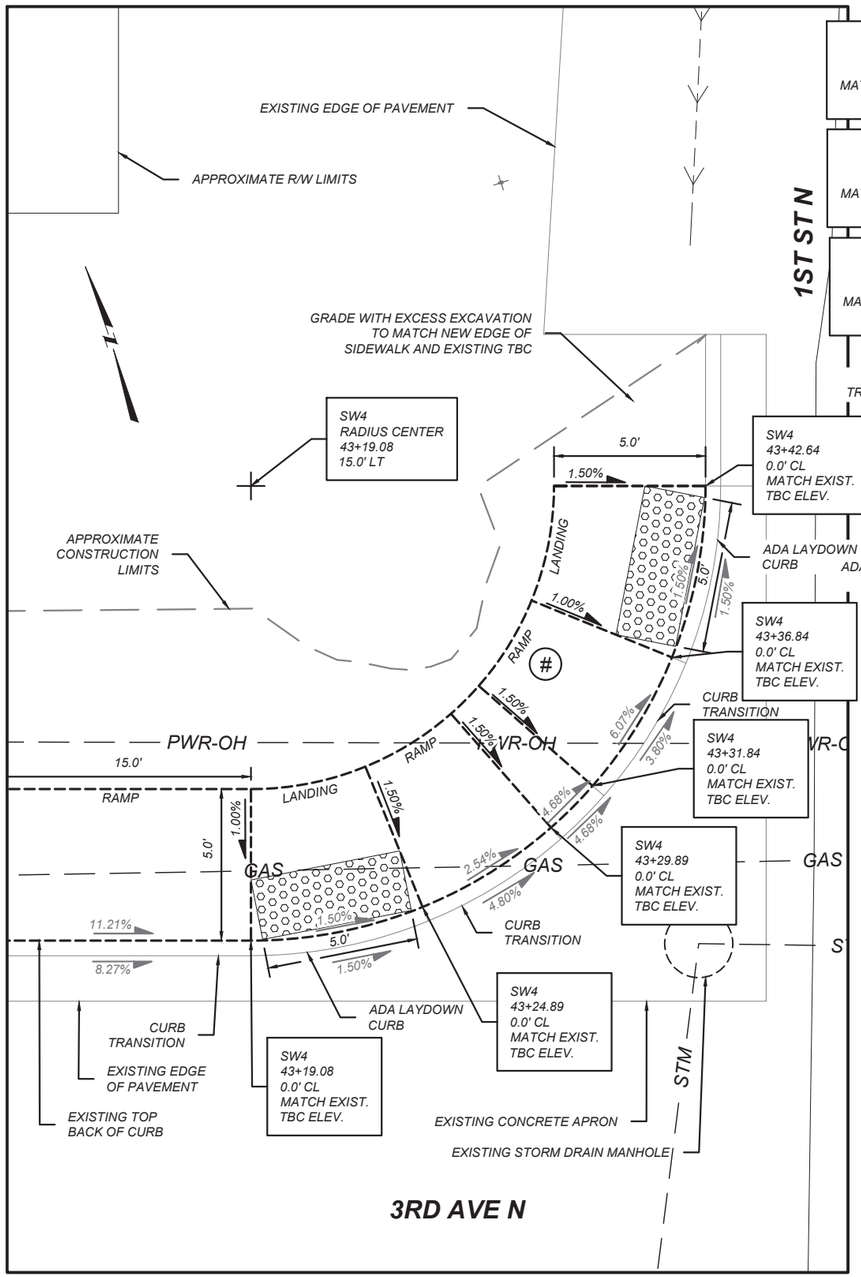
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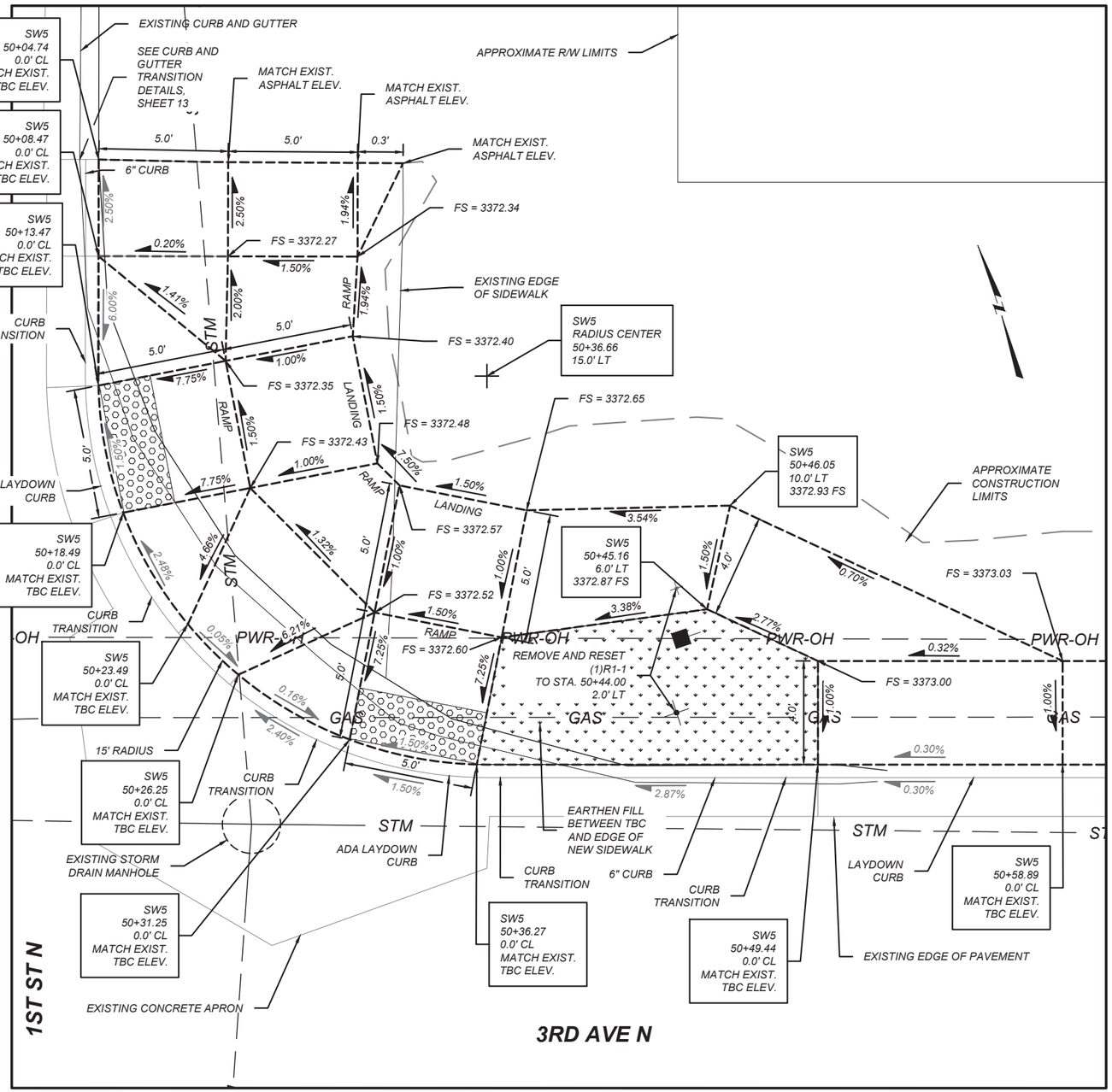
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INTERSECTION OF 3RD AVE N AND 1ST ST N
NORTHWEST CORNER



INTERSECTION OF 3RD AVE N AND 1ST ST N
NORTHEAST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

(#) TECHNICALLY INFEASIBLE RAMP/LANDING

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

GRADE LABELS ARE FOR INFORMATION ONLY, CONSTRACTOR SHALL USE ELEVATION CALLOUTS FOR CONSTRUCTION

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

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MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

3RD AVE N AND 1ST ST N CURB RAMP DETAILS

1" = 5'

SHEET NO. 18

3RD AVE N AND 1ST ST N CURB RAMPS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDDETZ04.DWG

MONTANA Department of Transportation

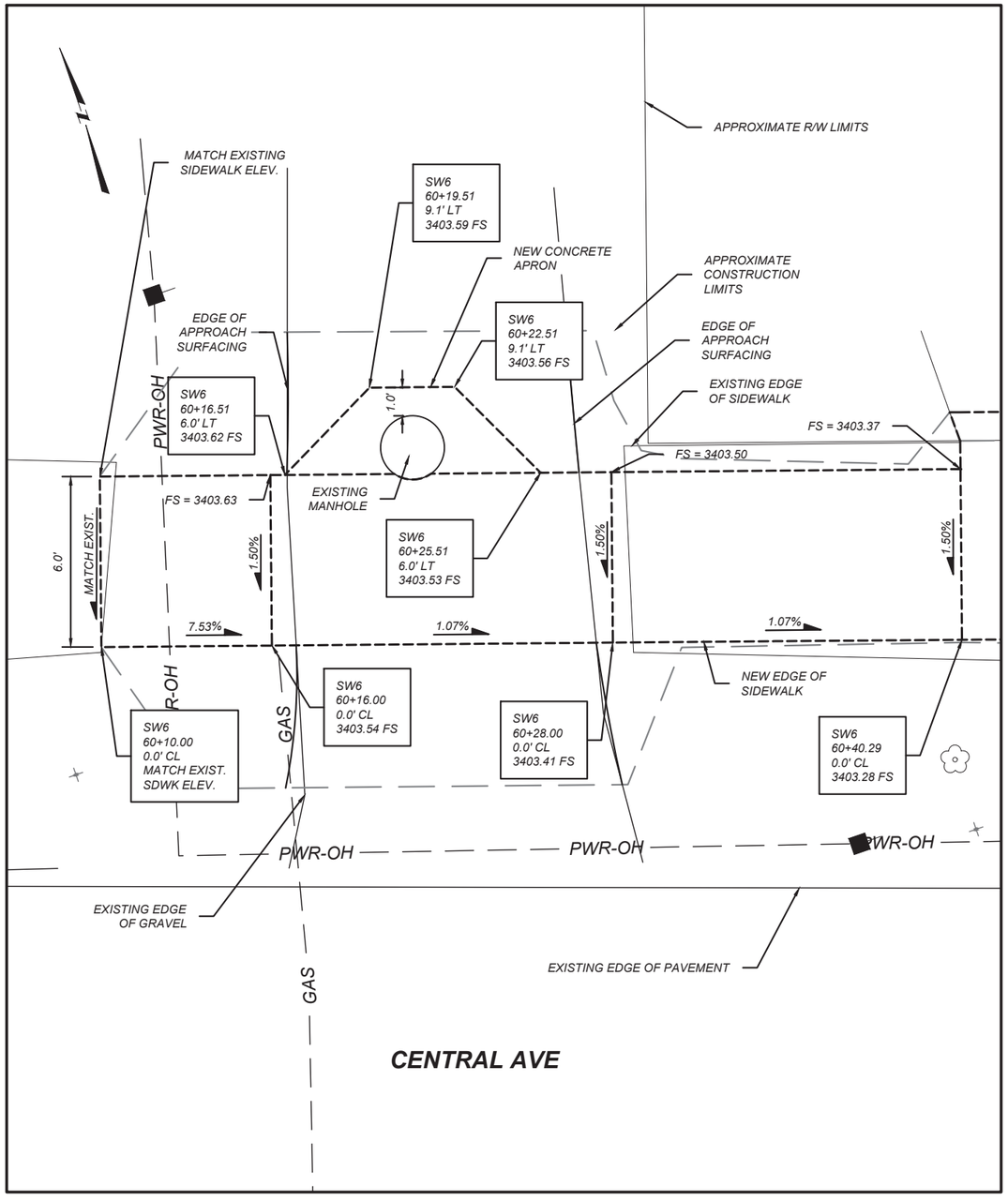
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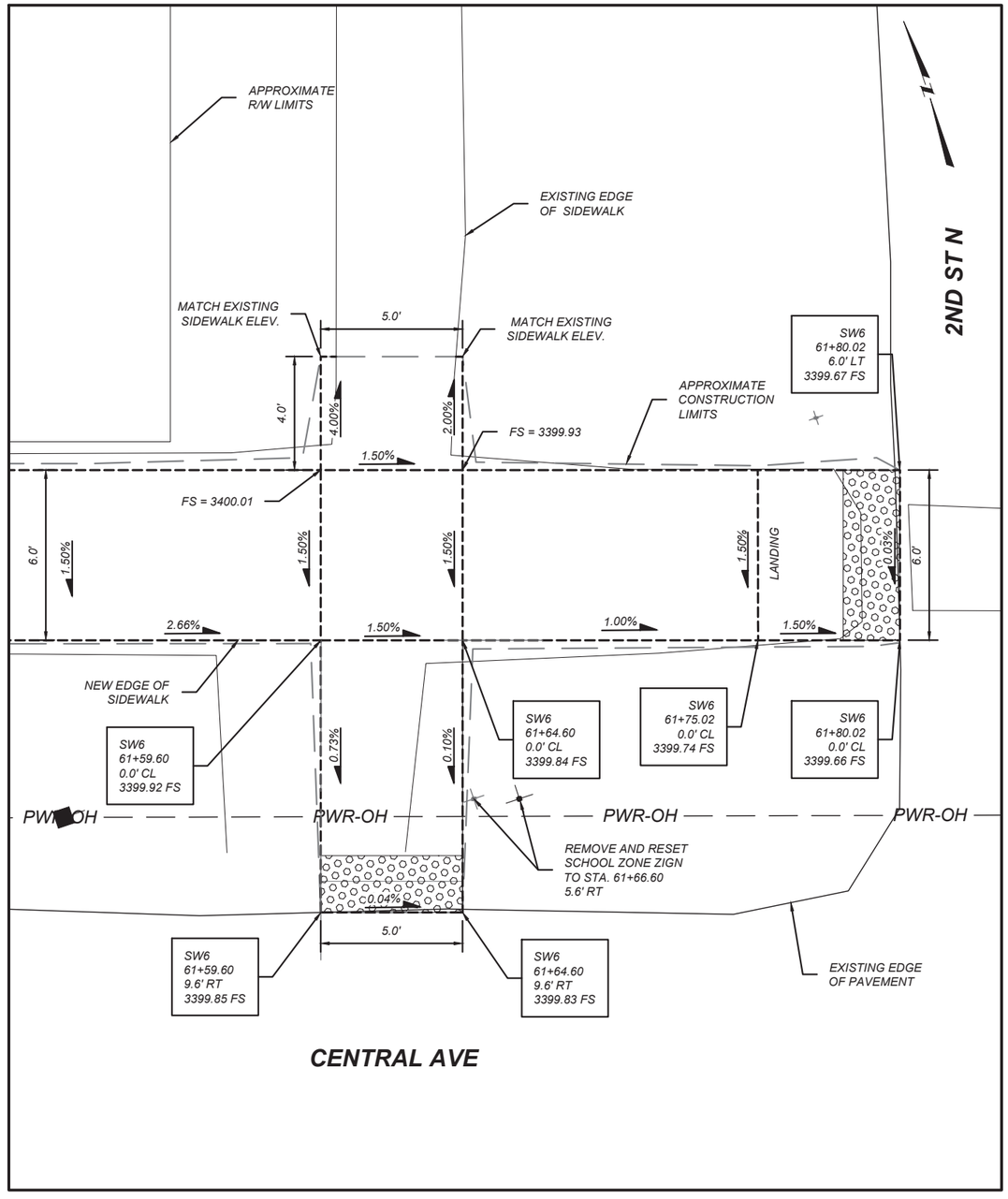
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3RD ST N AND 2ND ST N ALLEYWAY ON CENTRAL AVE



INTERSECTION OF CENTRAL AVE AND 2ND ST N NORTHWEST CORNER



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

(#) TECHNICALLY INFEASIBLE RAMP/LANDING

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

GRADE LABELS ARE FOR INFORMATION ONLY, CONSTRACTOR SHALL USE ELEVATION CALLOUTS FOR CONSTRUCTION

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MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

CENTRAL AVE CURB RAMP DETAILS 1/2

1" = 5'

SHEET NO. 19

CENTRAL AVE CURB RAMPS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDDETZ05.DWG

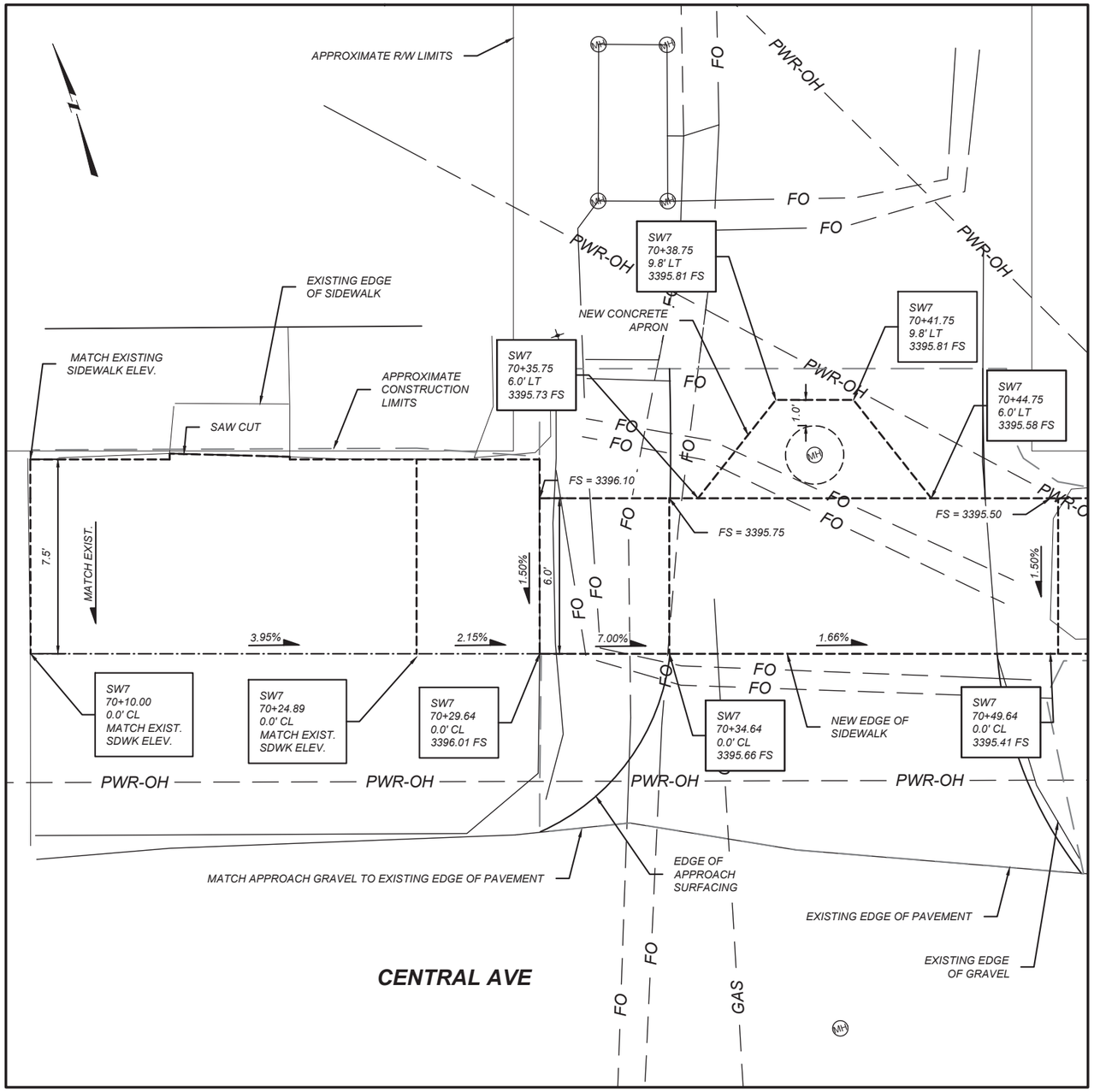
MONTANA Department of Transportation

ROAD PLANS

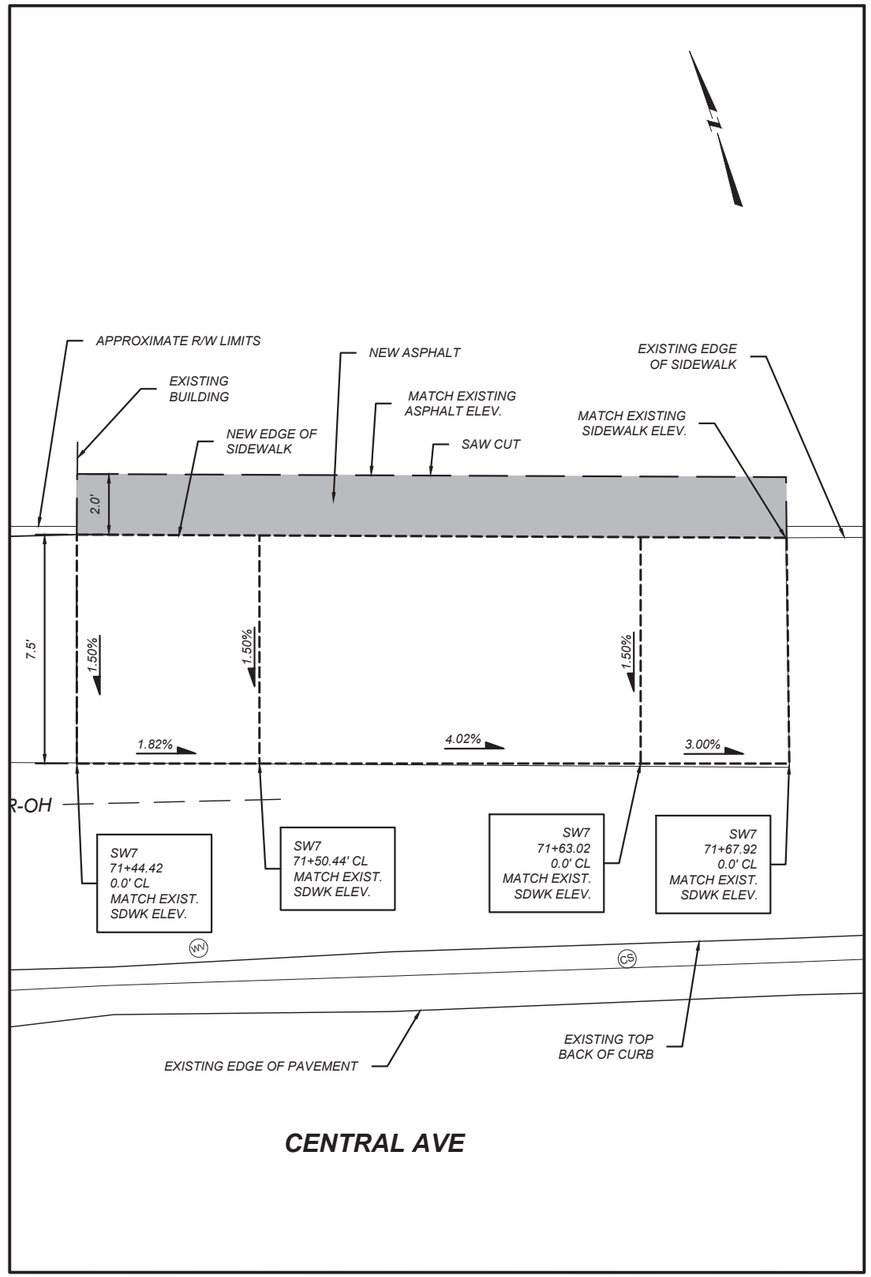
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2ND ST N AND 1ST ST N ALLEYWAY ON CENTRAL AVE



CASCADE MEAT PROCESSORS PARKING LOT ON CENTRAL AVE



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

(#) TECHNICALLY INFEASIBLE RAMP/LANDING

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

CENTRAL AVE CURB RAMP DETAILS 2/2

1" = 5'

SHEET NO. 20

CENTRAL AVE CURB RAMPS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDDETZ06.DWG

MONTANA Department of Transportation

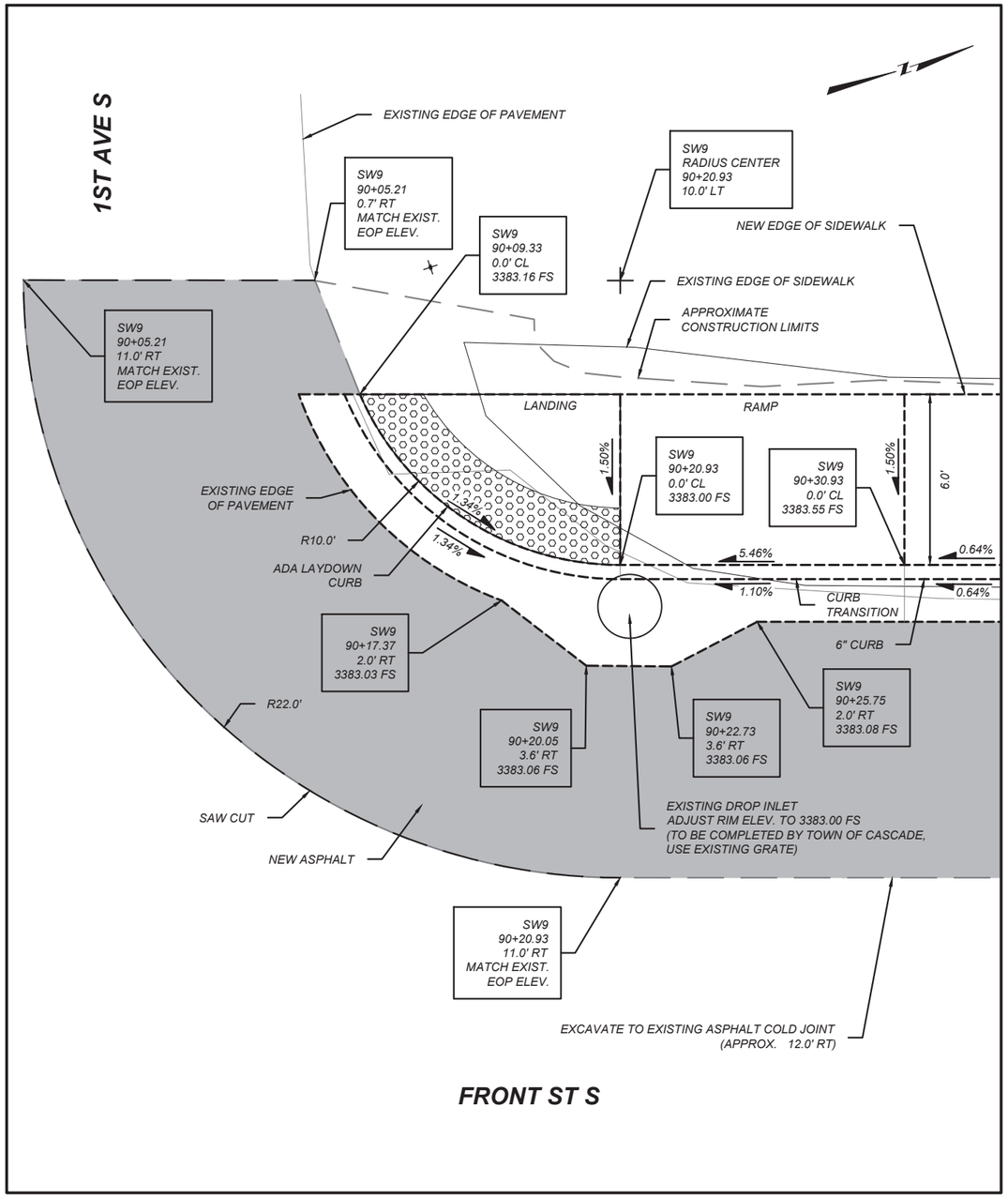
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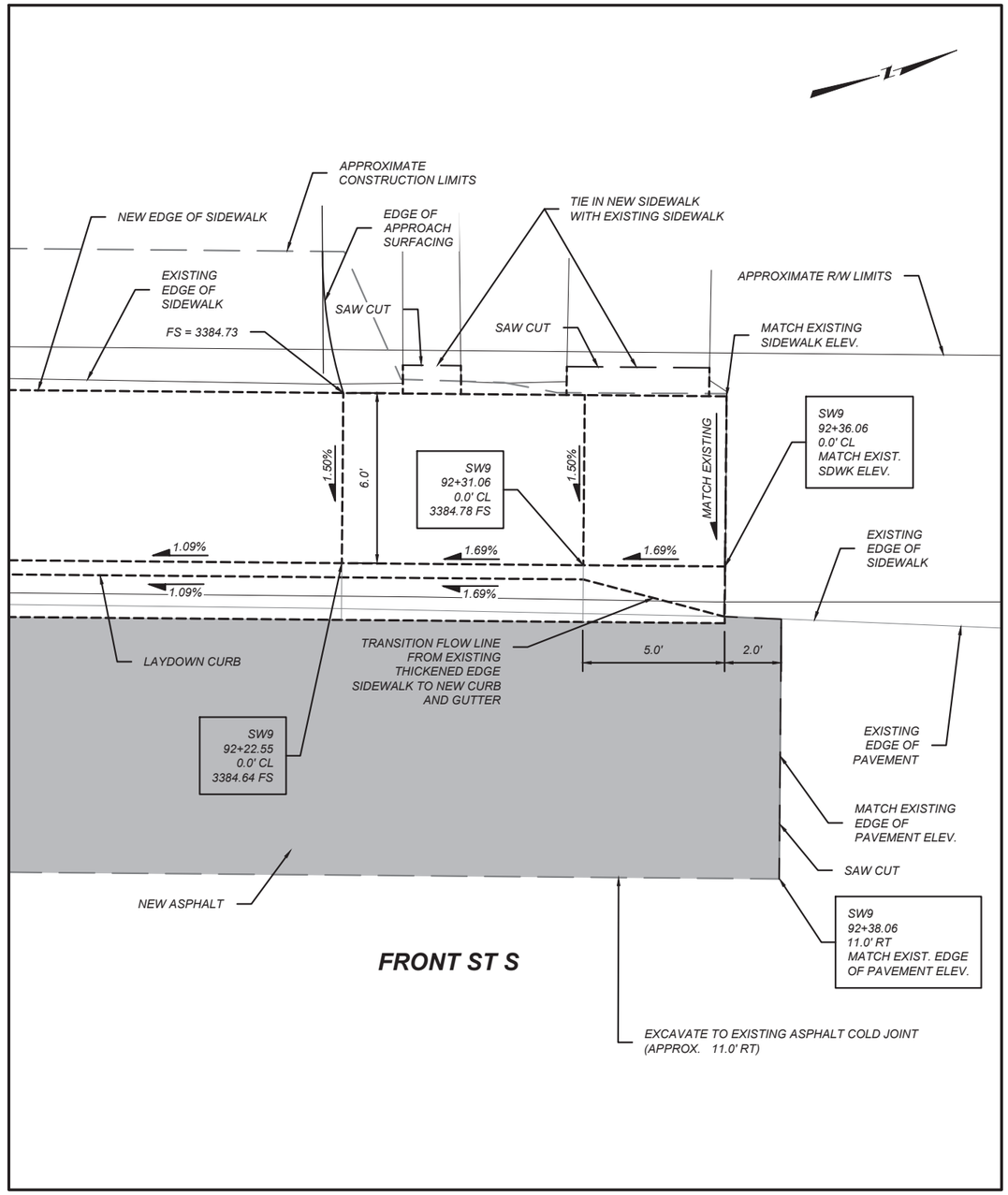
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INTERSECTION OF FRONT ST S AND 1ST AVE S NORTHWEST CORNER



FRONT ST S, NORTH END EXISTING SIDEWALK TIE IN



LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

FRONT ST S CURB RAMP DETAILS

1" = 5'

SHEET NO. 21

FRONT ST S CURB RAMPS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDDETZ07.DWG

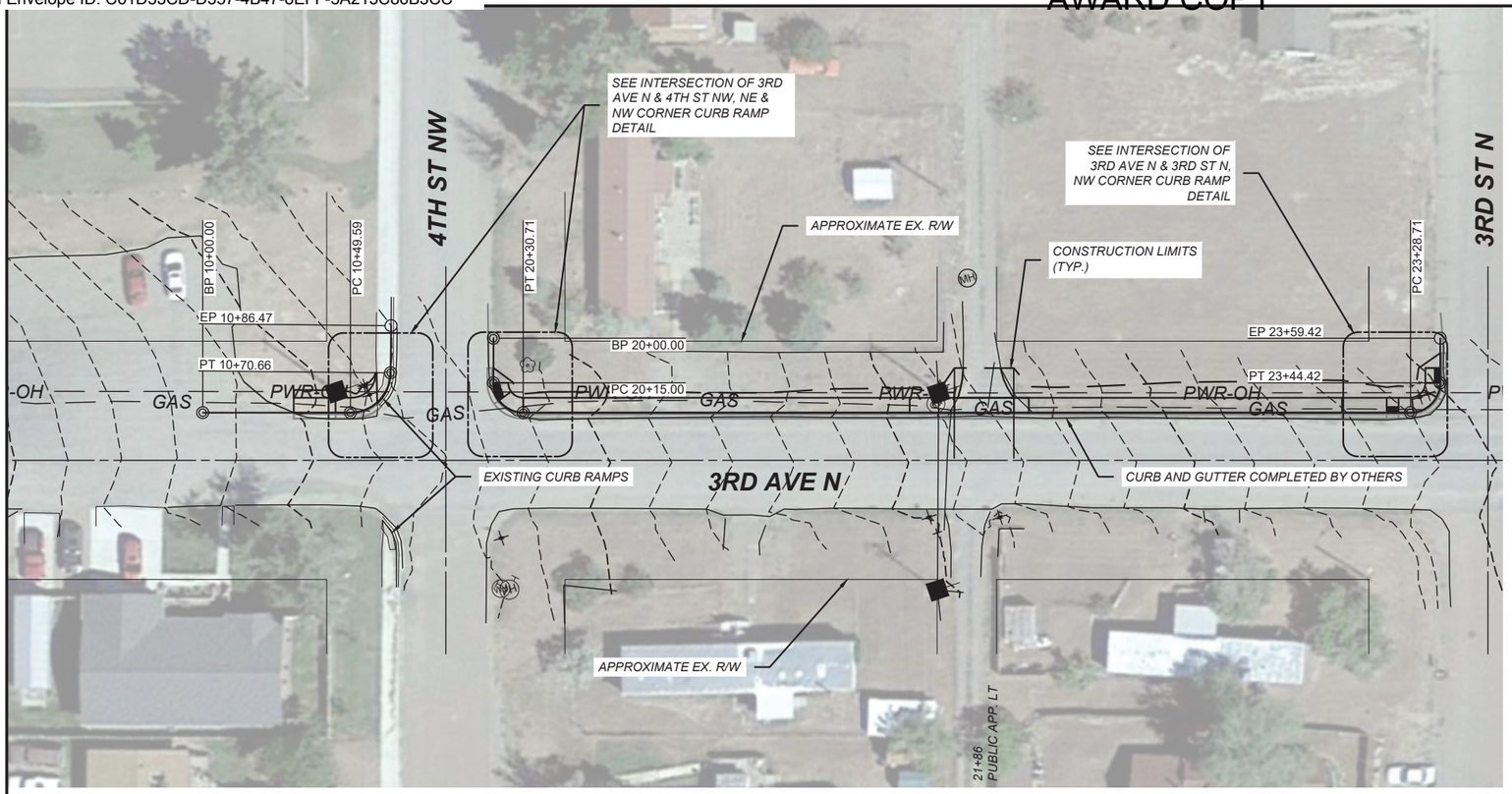
MONTANA Department of Transportation

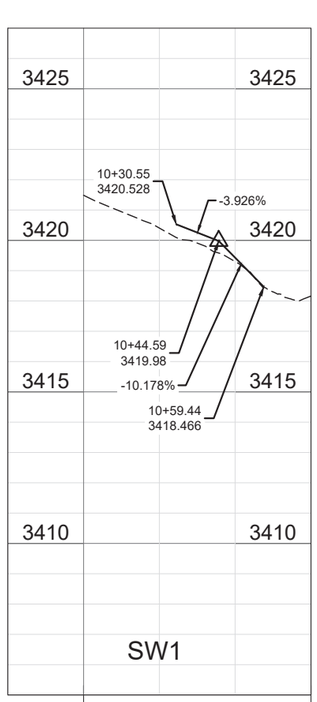
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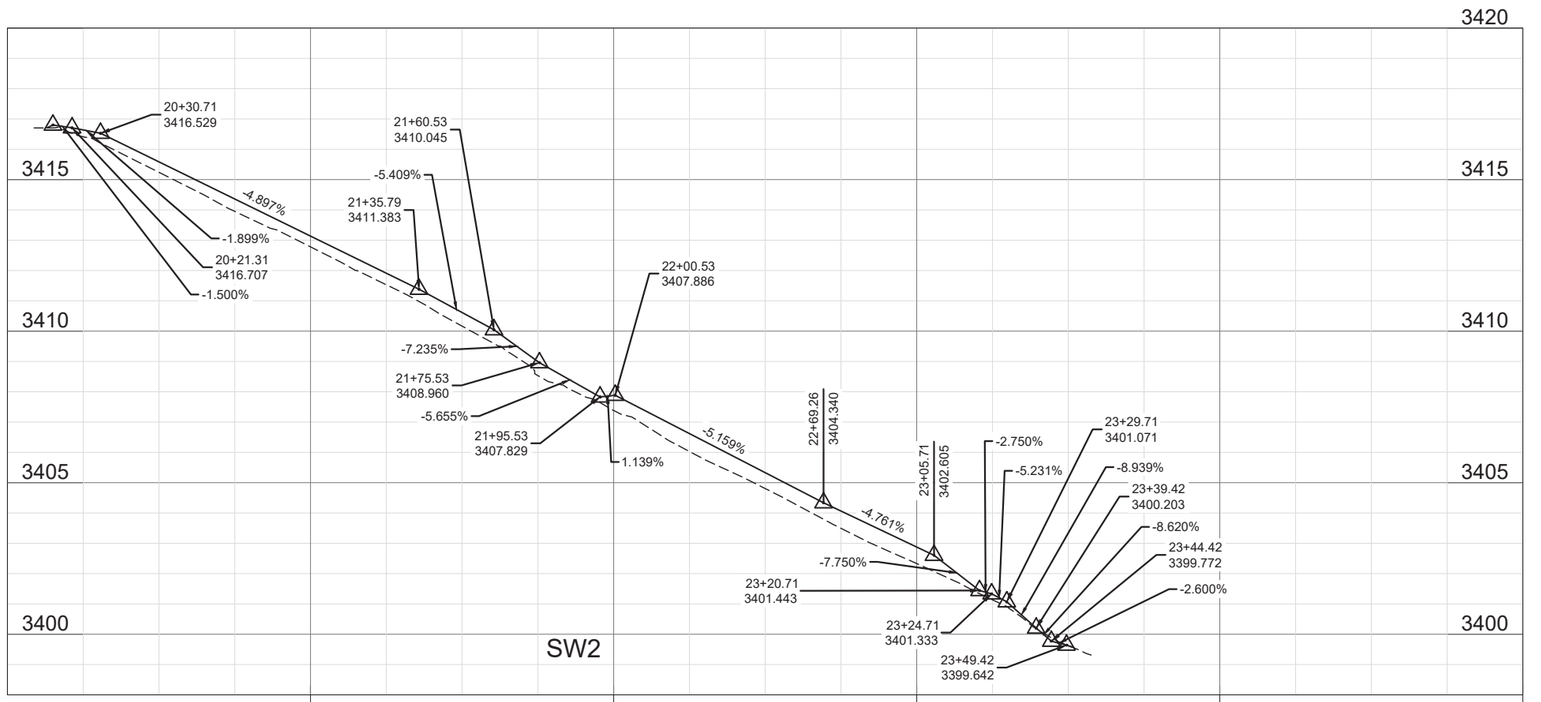
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UTILITY CROSSINGS
21+69, GAS LINE VALVE, RESET TO NEW SIDEWALK ELEV.
21+70, OVERHEAD POWER X-ING, CLEARANCE UNKNOWN
21+74, GAS LINE X-ING, DEPTH UNKNOWN
21+87, GAS LINE X-ING, DEPTH UNKNOWN
23+33, GAS LINE X-ING, DEPTH UNKNOWN
23+41, OVERHEAD POWER X-ING, CLEARANCE UNKNOWN

DETECTABLE WARNING DEVICES
20+19
23+23
23+47

CURB RAMPS

20+27	23+13
21+68	23+27
21+98	23+42

EXISTING STREET SIGNS (USE AS-IS)
21+71, 8.7' LT - (1)R1-1

EXISTING STREET SIGNS (REMOVE AND RESET)
10+52, 3.6' LT - (2) D3-1 (3RD AVE) (4TH ST)
10+61, 6.6' LT - (1) R1-2
23+34, 4.3' LT - (2) D3-1 (3RD AVE) (3RD ST)
23+39, 3.1' LT - (1) R1-2

APPROACHES
21+86, PUBLIC APP. LT

SHEET NO. 22

ALIGNMENTS SW1 & SW2

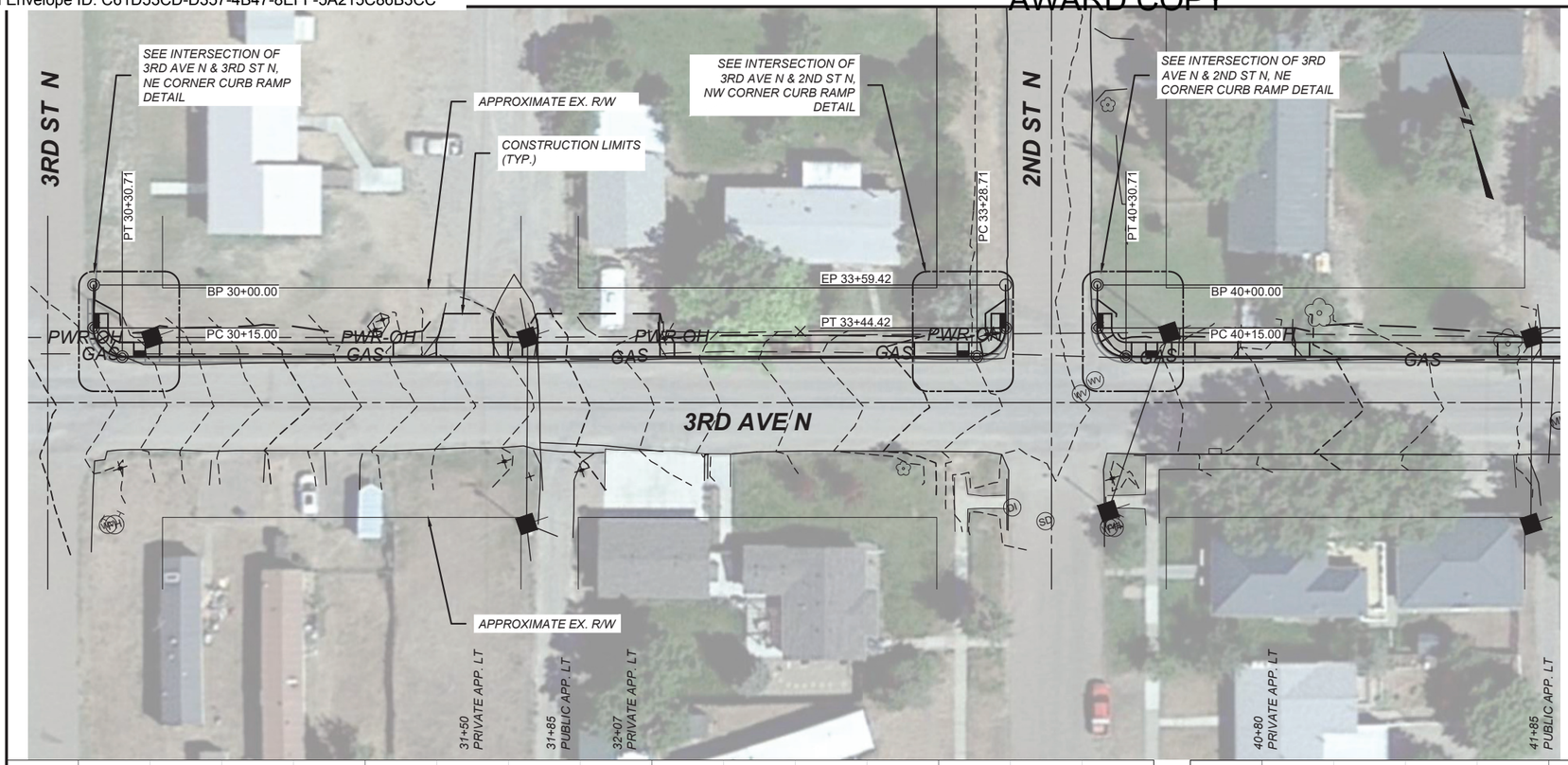
PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

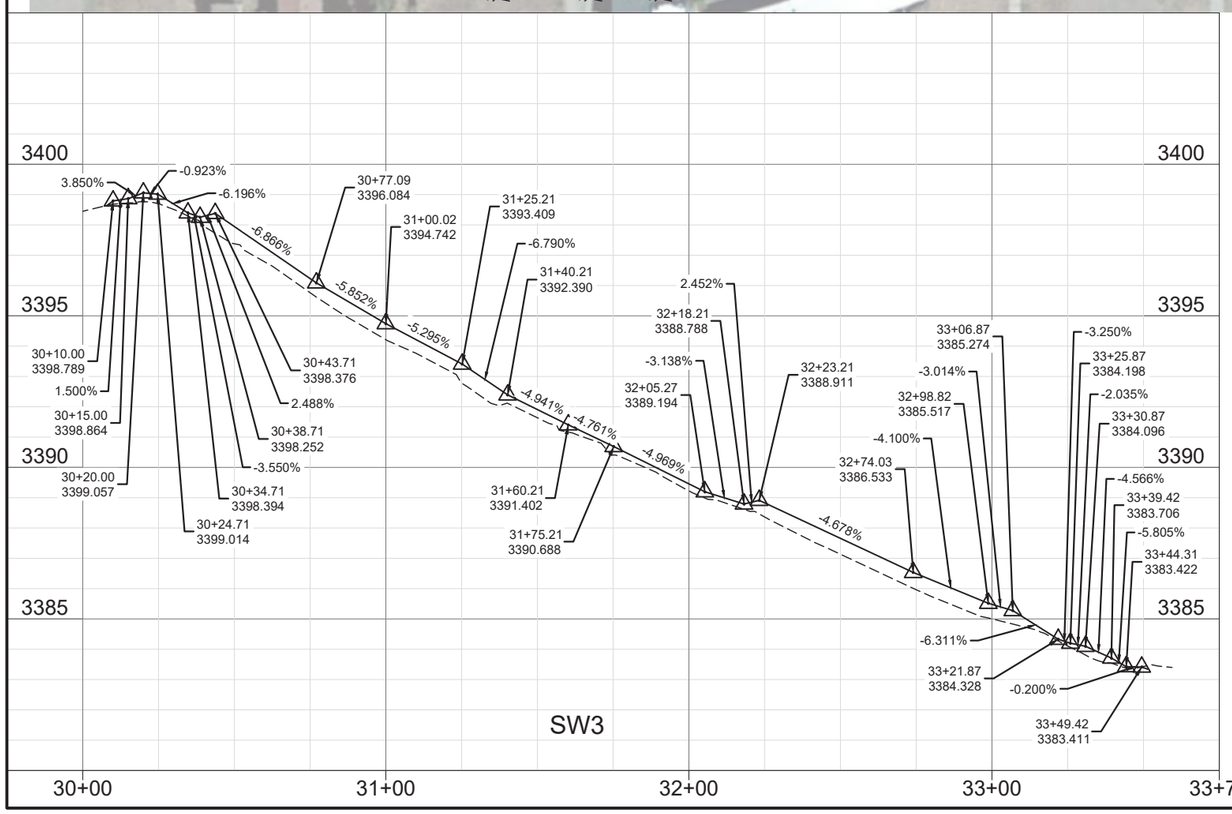
	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

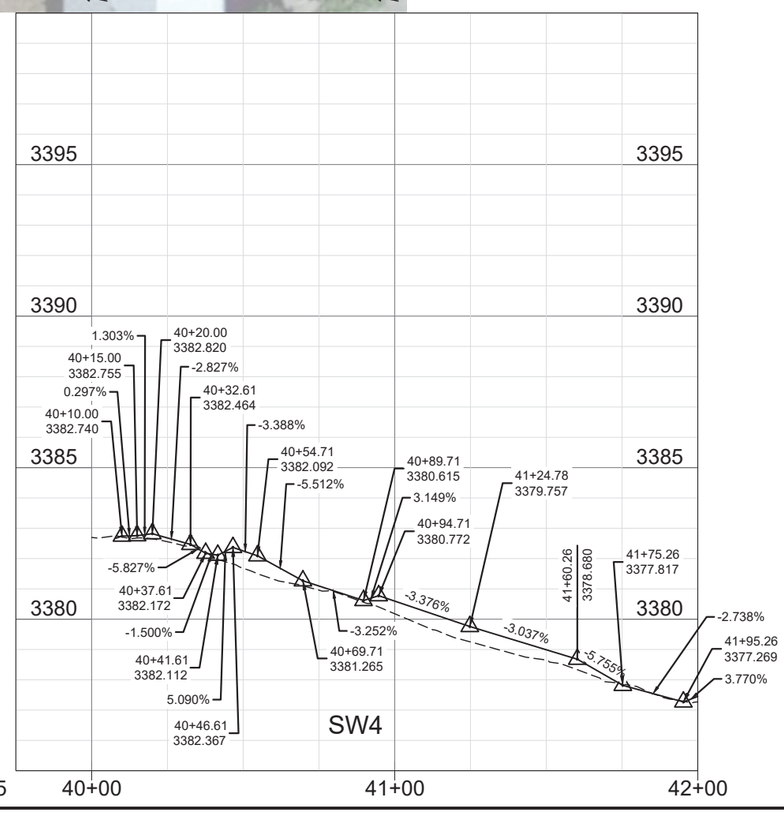
MONTANA Department of Transportation
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UTILITY CROSSINGS
30+18, OVERHEAD POWER X-ING, CLEARANCE UNKNOWN
30+26, GAS LINE X-ING, DEPTH UNKNOWN
31+72, OVERHEAD POWER X-ING, CLEARANCE UNKNOWN
31+76, GAS LINE X-ING, DEPTH UNKNOWN
33+33, GAS LINE X-ING, DEPTH UNKNOWN
33+42, OVERHEAD POWER X-ING, CLEARANCE UNKNOWN
40+17, OVERHEAD POWER X-ING, CLEARANCE UNKNOWN
40+43, OVERHEAD POWER X-ING, CLEARANCE UNKNOWN
40+49, GAS LINE X-ING, DEPTH UNKNOWN
41+72, OVERHEAD POWER X-ING, CLEARANCE UNKNOWN
41+80, GAS LINE X-ING, DEPTH UNKNOWN

DETECTABLE WARNING DEVICES

30+12	33+47
30+37	40+12
33+24	40+40

CURB RAMPS

30+18	32+21	40+35
30+32	33+14	40+44
30+41	33+28	40+62
31+33	33+42	40+92
31+63	40+18	41+68
31+73		

EXISTING STREET SIGNS (USE AS-IS)
31+73, 9.3' LT - (1) R1-1
32+20, 6.5' LT - (1) R2-1 (25MPH)
41+72, 9.3' LT - (1) R1-1

EXISTING STREET SIGNS (REMOVE AND RESET)
33+39, 5.9' LT - (2) D3-1 (3RD AVE) (2ND ST)
33+42, 3.2' LT - (1) R1-2

APPROACHES
31+50, PRIVATE APP. LT
31+85, PUBLIC APP. LT
32+07, PRIVATE APP. LT
40+80, PRIVATE APP. LT
41+85, PUBLIC APP. LT

EXISTING SPRINKLER SYSTEM
30+10 TO 31+15, LT

DO NOT DISTURB
31+20 - RETAINING WALL
32+19 TO 33+13 - FENCE

SHEET NO.
23

ALIGNMENTS SW3 & SW4

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

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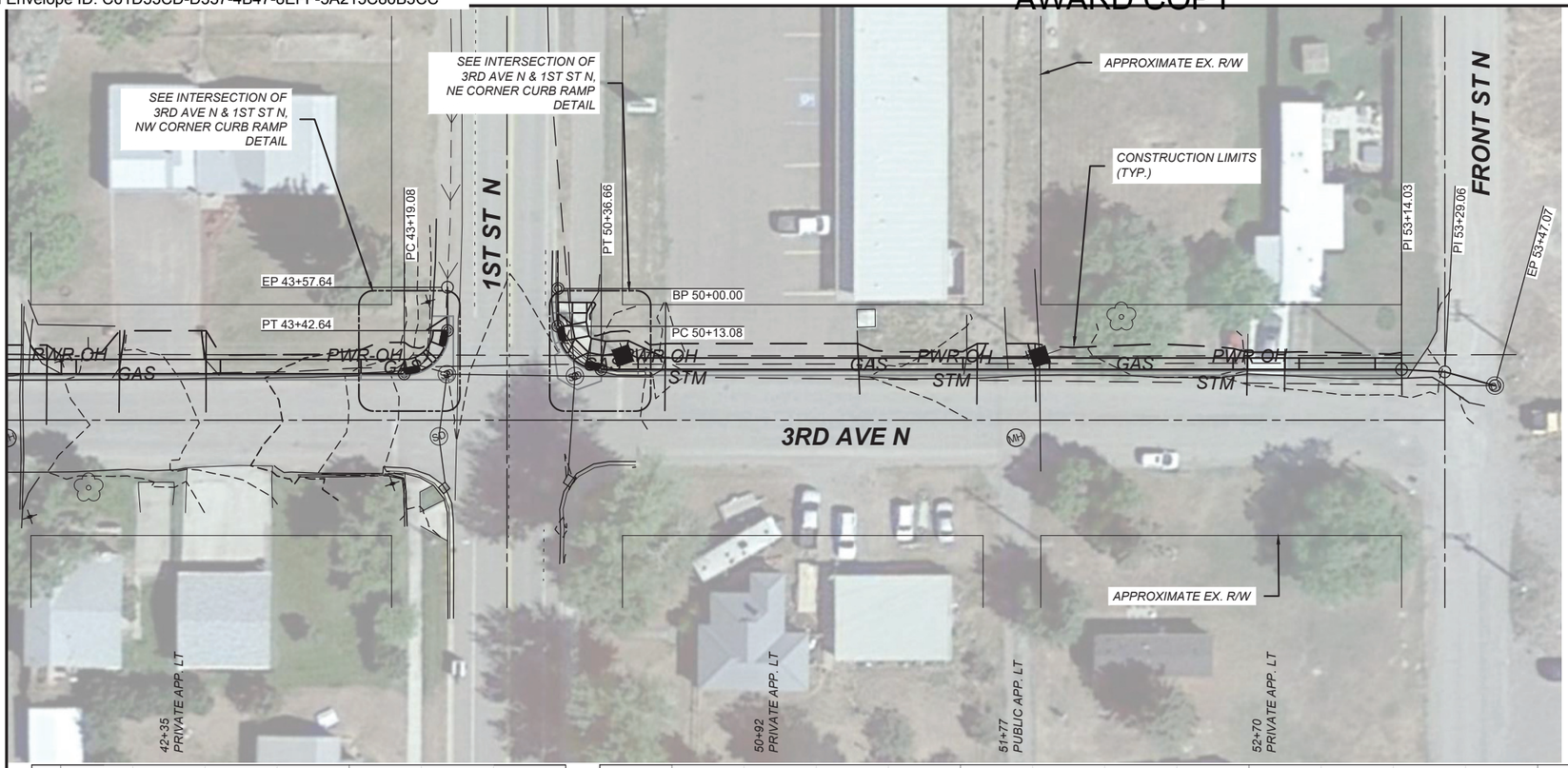
MONTANA Department of Transportation

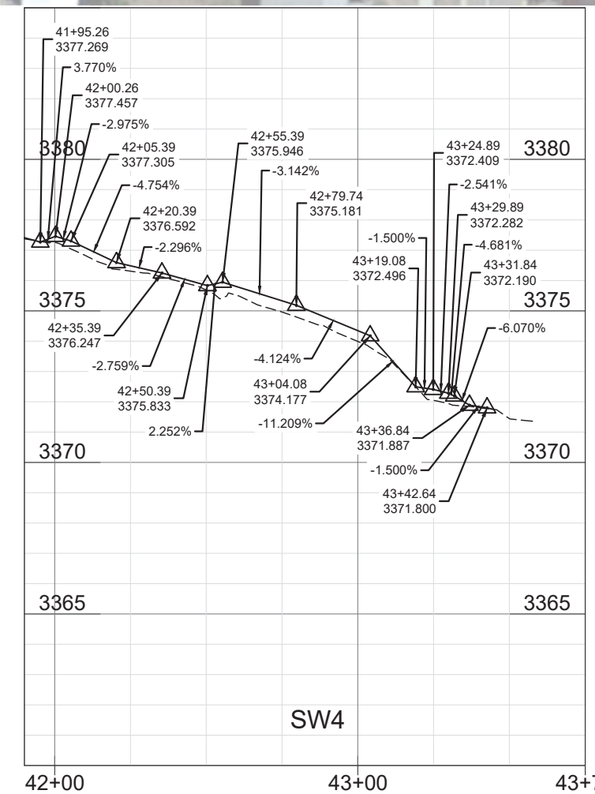
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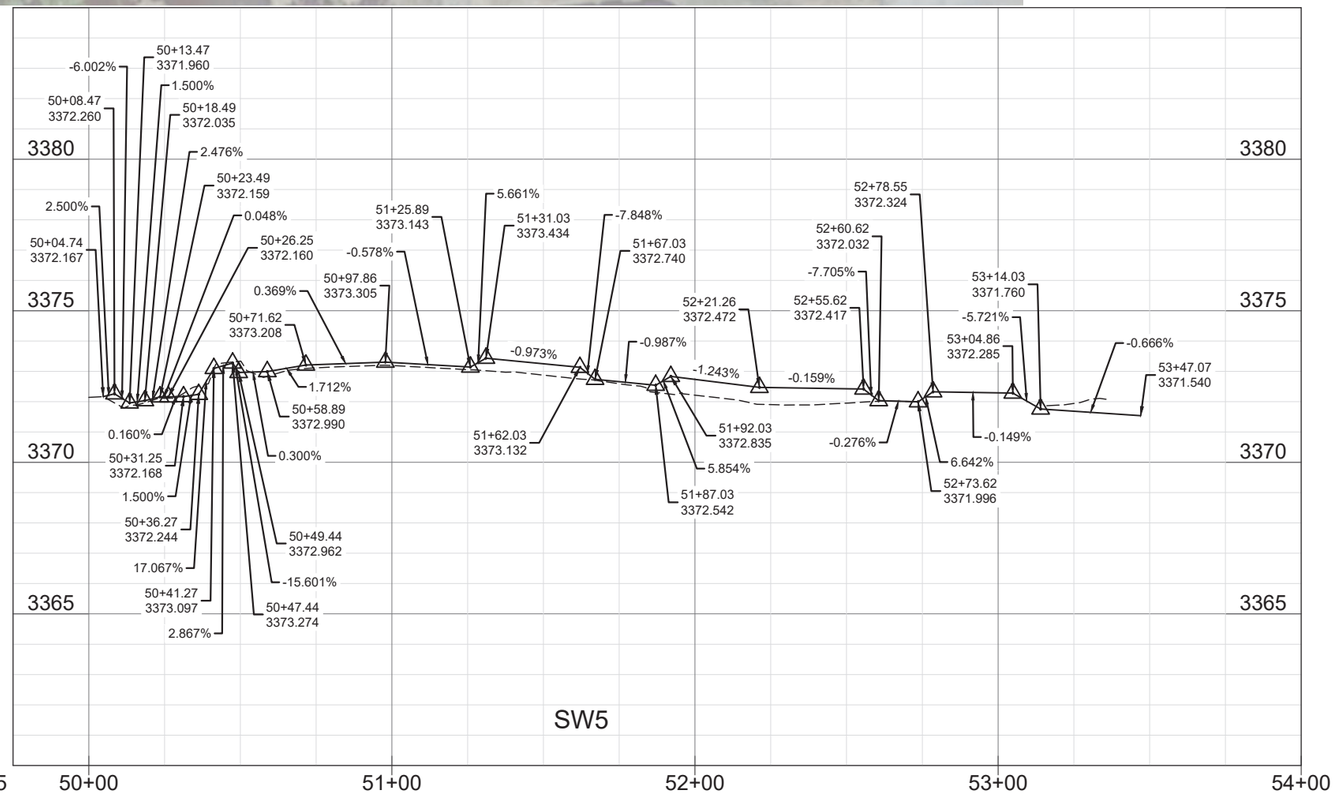
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UTILITY CROSSINGS
41+86, FIBER OPTIC LINE X-ING, DEPTH UNKNOWN
41+87, FIBER OPTIC LINE X-ING, DEPTH UNKNOWN
41+89, GAS LINE X-ING, DEPTH UNKNOWN
43+28, GAS LINE X-ING, DEPTH UNKNOWN
43+34, OVERHEAD POWER LINE X-ING, CLEARANCE UNKNOWN
50+24, OVERHEAD POWER LINE X-ING, CLEARANCE UNKNOWN
50+26, STORM DRAIN X-ING, DEPTH UNKNOWN
50+29, GAS LINE X-ING, DEPTH UNKNOWN
51+89, OVERHEAD POWER LINE X-ING, CLEARANCE UNKNOWN

DETECTABLE WARNING DEVICES

43+22	*50+34*	
43+40		
50+16		

CURB RAMPS

41+98	*50+21*	*51+65*
42+13	*50+28*	*51+90*
42+53	*50+43*	*52+58*
43+12	*50+54*	*52+76*
43+28	*51+29*	*53+10*
43+34		

EXISTING STREET SIGNS (USE AS-IS)
43+53, 6.8' LT - (1) R28A

EXISTING STREET SIGNS (REMOVE AND RESET)
42+00, 4.7' LT - (1) R2-1 (25MPH)
50+44, 6.8' LT - (1) R1-1

APPROACHES
42+35, PRIVATE APP. LT
50+92, PRIVATE APP. LT
51+77, PUBLIC APP. LT
52+70, PRIVATE APP. LT

SHEET NO.
24

ALIGNMENTS SW4 & SW5

PROJECT NAME ***SIDEWALKS PHASE III - CASCADE***
COUNTY ***CASCADE COUNTY***
PROJECT ID ***TA 7(76)***
UPN ***10105000***

CHECKED BY	*R. HOLM*	*11-22-23*
REVIEWED BY	*J. THEYS*	*11-22-23*
DESIGNED BY	*L. DUNLAP*	*11-22-23*

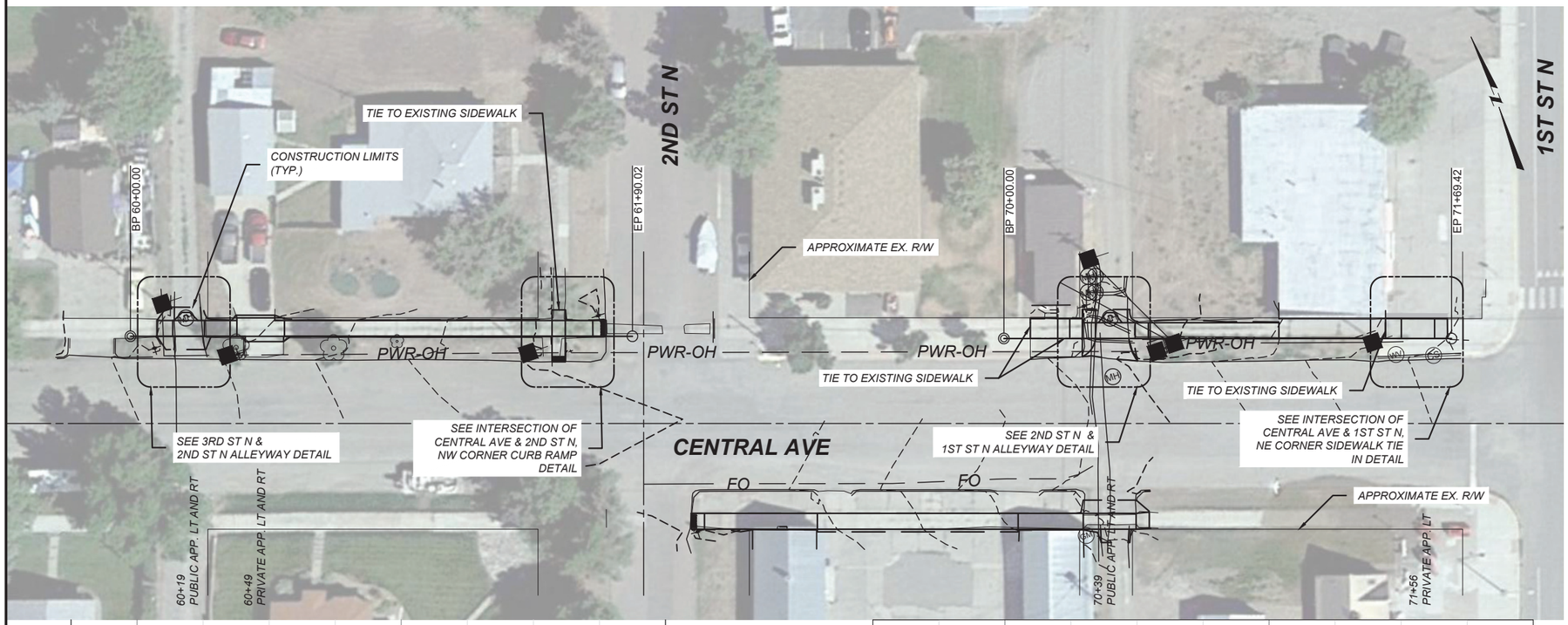
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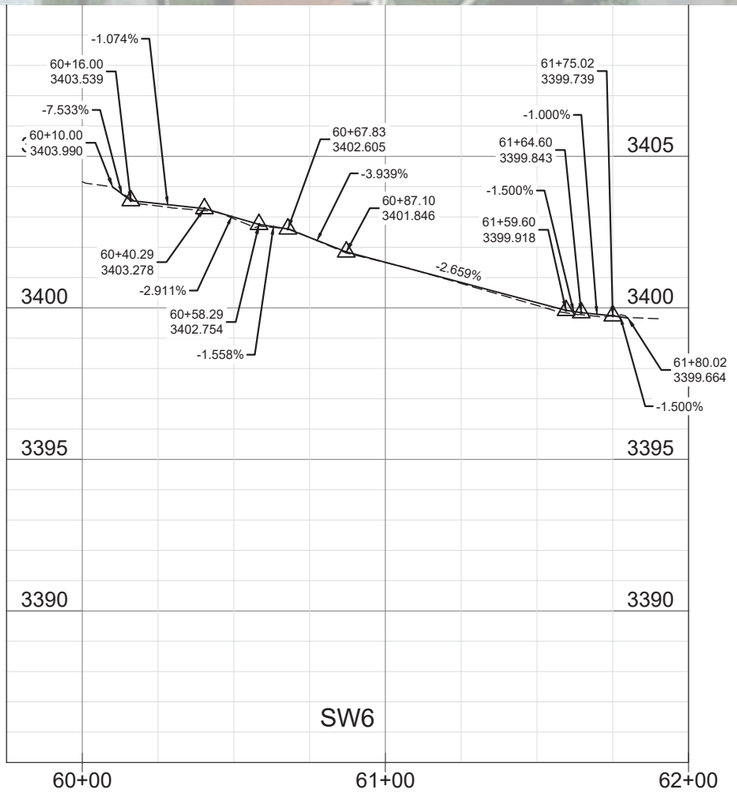
MONTANA
Department of Transportation

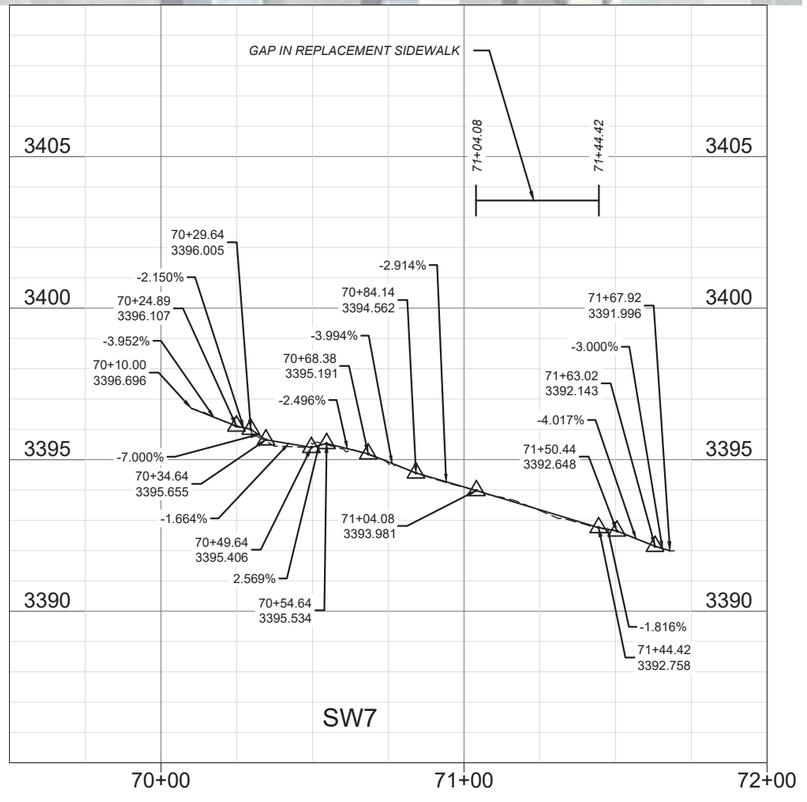
ROAD PLANS

8/17/2023 10:40 AM

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UTILITY CROSSINGS
60+12, OVERHEAD POWER LINE X-ING, CLEARANCE UNKNOWN
60+16, GAS LINE X-ING, DEPTH UNKNOWN
60+21, SEWER MANHOILE, TOWN OF CASCADE TO ADJUST
70+31, FIBER OPTIC LINE X-ING, DEPTH UNKNOWN
70+32, FIBER OPTIC LINE X-ING, DEPTH UNKNOWN
70+33, FIBER OPTIC LINE X-ING, DEPTH UNKNOWN
70+35, FIBER OPTIC LINE X-ING, DEPTH UNKNOWN
70+37, GAS LINE X-ING, DEPTH UNKNOWN
70+40, SEWER MANHOLE, TOWN OF CASCADE TO ADJUST
70+61, OVERHEAD POWER LINE X-ING, CLEARANCE UNKNOWN
70+63, OVERHEAD POWER LINE X-ING, CLEARANCE UNKNOWN

DETECTABLE WARNING DEVICES
61+62
61+78

EXISTING STREET SIGNS (USE AS-IS)
60+09, 4.5' RT - (1) R1-1
60+41, 6.7' RT - (1) R2-1 (25MPH)
61+77, 7.8' LT - (1) R1-1
61+72, 3.2' RT - (2) D3-1 (CENTRAL AVE) (2ND ST)
70+60, 5.6' RT - (1)R2-1 (25 MPH), PED XING

EXISTING STREET SIGNS (REMOVE & RESET)
61+64, 5.6' RT - SCHOOL ZONE

APPROACHES
60+19, PUBLIC APP. LT AND RT
60+49, PRIVATE APP. LT AND RT
70+39, PUBLIC APP. LT AND RT
71+56, PRIVATE APP. LT

DO NOT DISTURB
61+50 - LANDSCAPING
70+20 - BUILDING
71+25 - BUILDING

SHEET NO.
25

ALIGNMENTS SW6 & SW7

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDPLPZ04.DWG

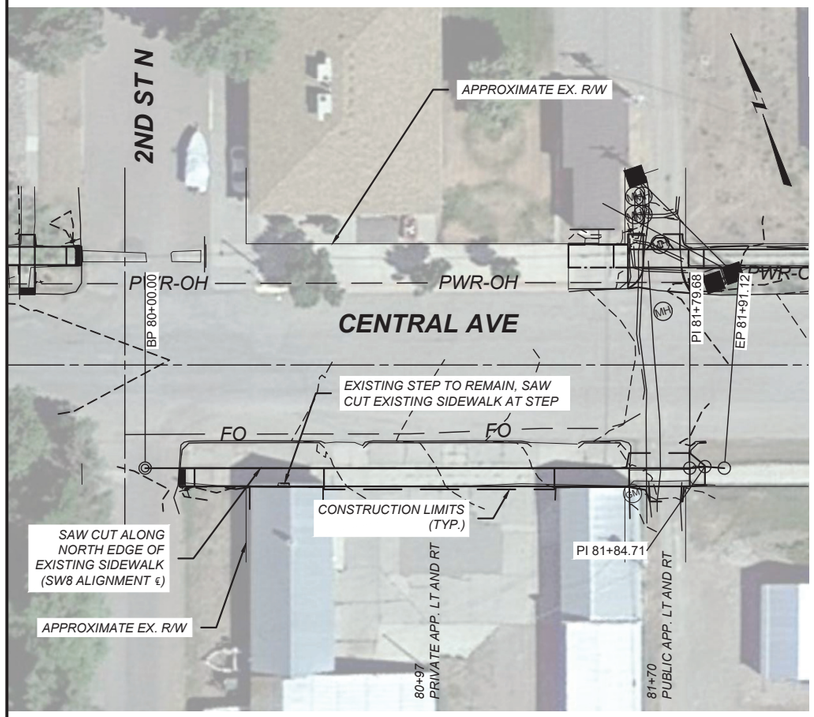
MONTANA Department of Transportation

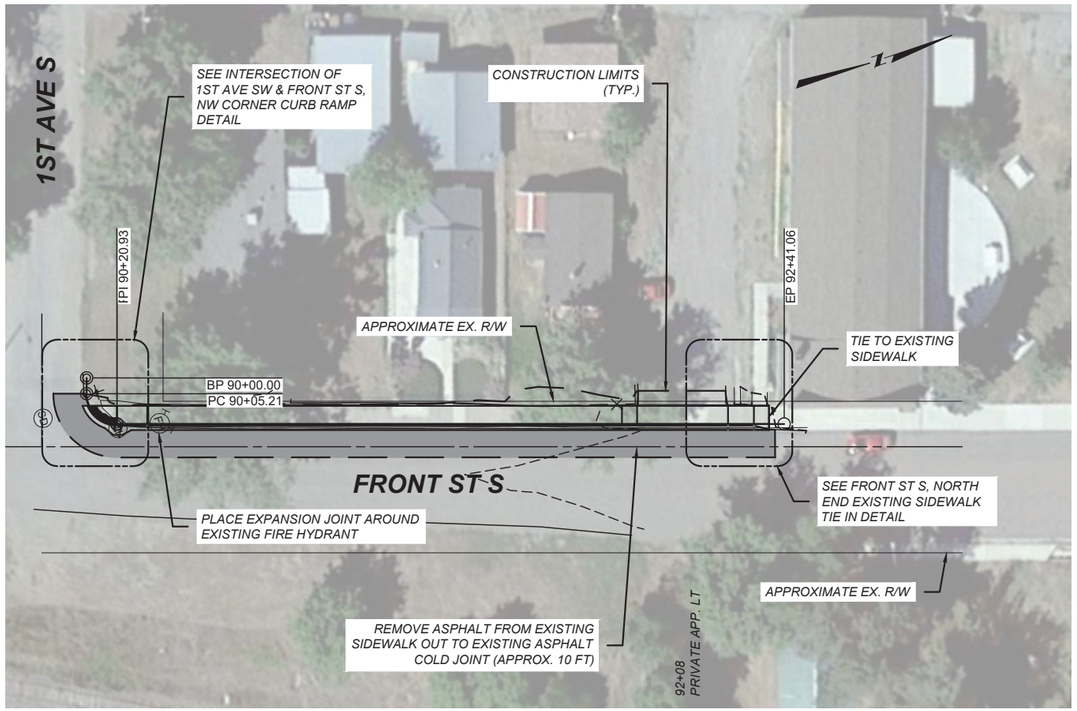
ROAD PLANS

8/17/2023 10:40 AM

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AWARD COPY





UTILITY CROSSINGS
81+65, FIBER OPTIC LINE X-ING, DEPTH UNKNOWN
81+70, GAS LINE X-ING, DEPTH UNKNOWN
90+21, DROP INLET, TOWN OF CASCADE TO ADUST
90+35, FIRE HYDRANT

DETECTABLE WARNING DEVICES
80+13
90+15

CURB RAMPS
90+23
91+90
92+25

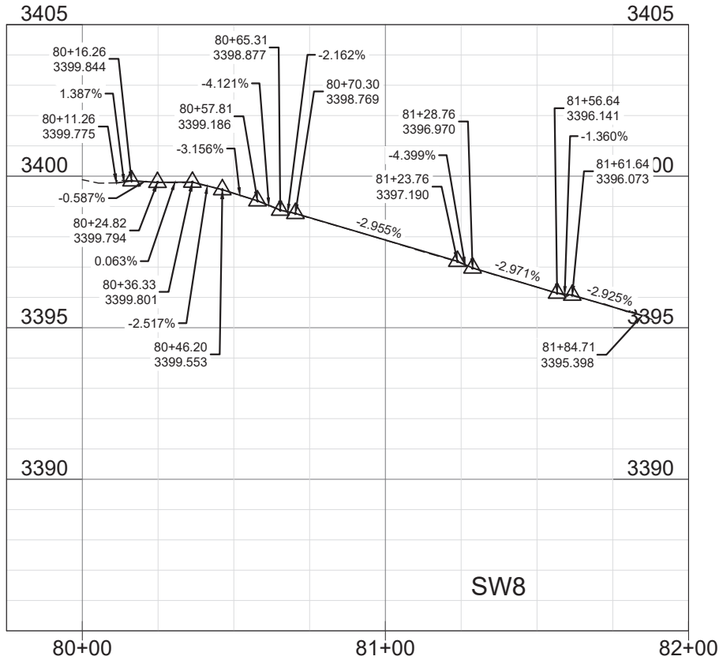
NEW FENCE
91+49 TO 91+92

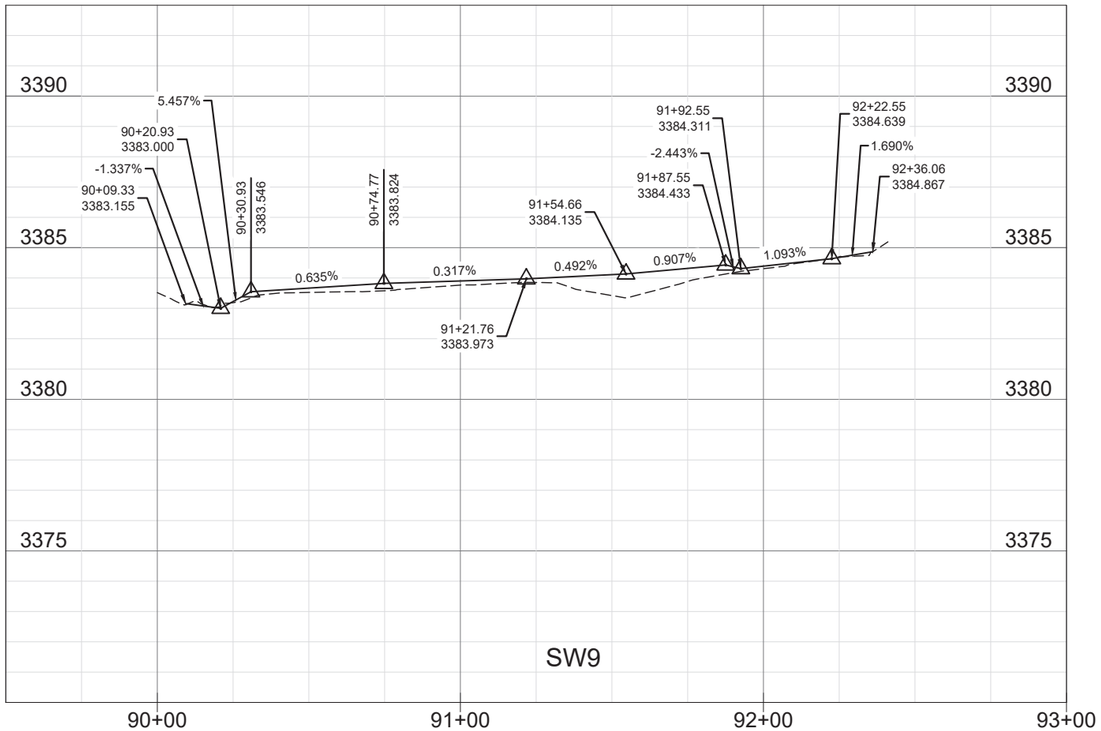
EXISTING STREET SIGNS (USE AS-IS)
80+14, 6.9' RT - (1) R1-1
90+04, 3.3' LT - (2) D3-1 (1ST AVE) (FRONT ST)

APPROACHES
80+97, PRIVATE APP. LT AND RT
81+70, PUBLIC APP. LT AND RT
92+08, PRIVATE APP. LT

DO NOT DISTURB
80+50 - BUILDING
81+50 - BUILDING
90+78 TO 91+49 - FENCE

TREE ROOT REMOVAL
90+30 TO 90+70 (APPROX.)
91+60 TO 92+00 (APPROX.)





SHEET NO. 26

ALIGNMENTS SW8 & SW9

PROJECT NAME ***SIDEWALKS PHASE III - CASCADE***
COUNTY ***CASCADE COUNTY***
PROJECT ID ***TA 7(76)***
UPN ***10105000***

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDPLPZ05.DWG

MONTANA *Department of Transportation*

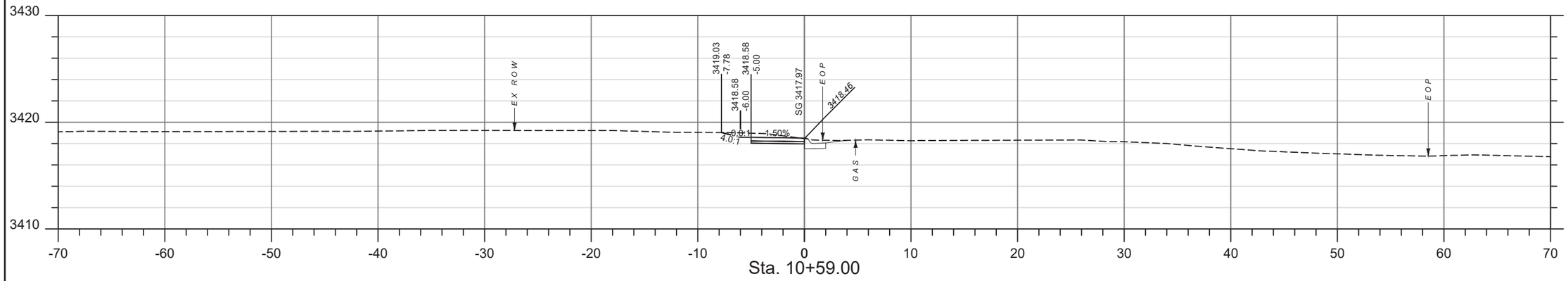
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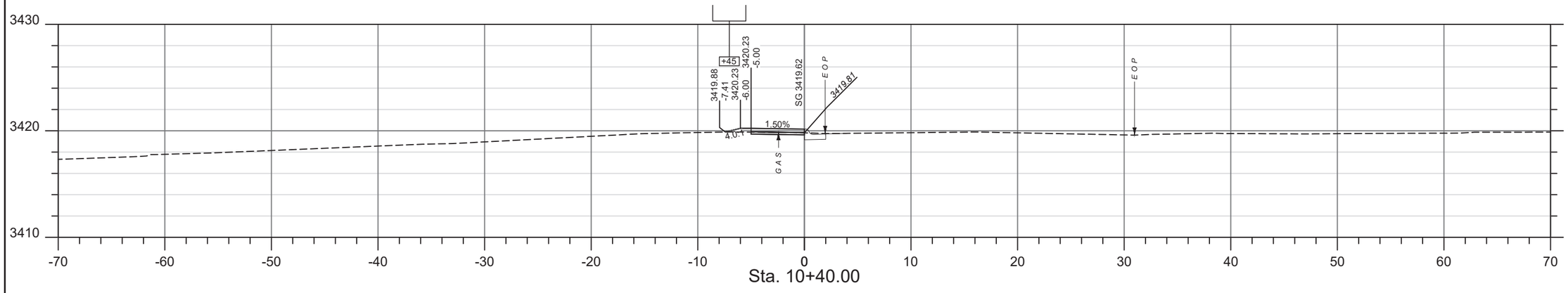
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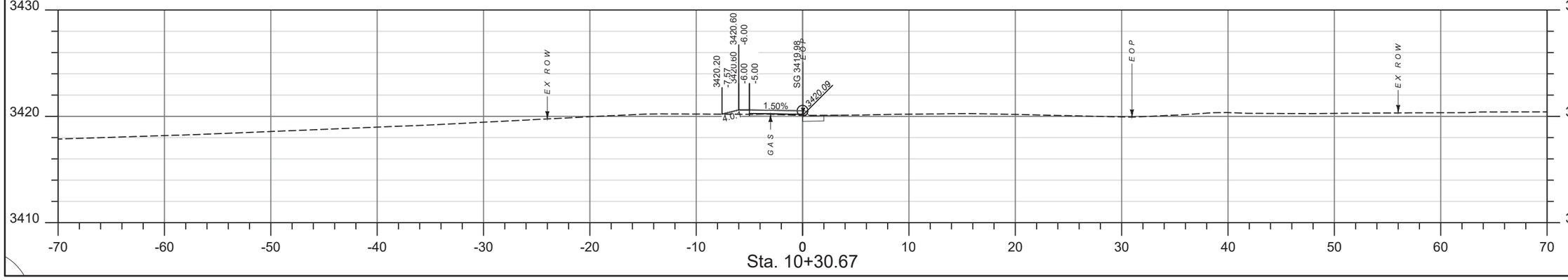
*ALL CURB AND GUTTER SHOWN ON THIS CROSS SECTION SHEET IS EXISTING CURB AND GUTTER



Sta. 10+59.00



Sta. 10+40.00



Sta. 10+30.67

SHEET NO.
1

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY201.DWG

MONTANA
Department of Transportation

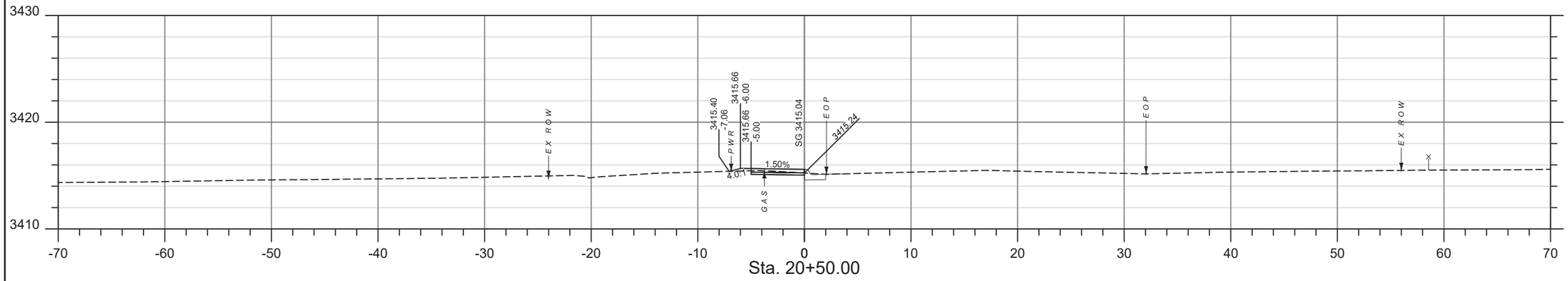
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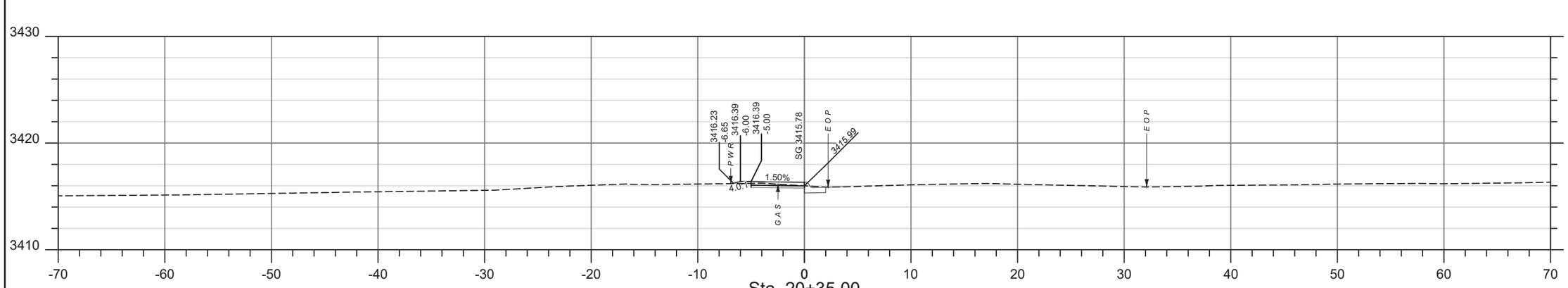
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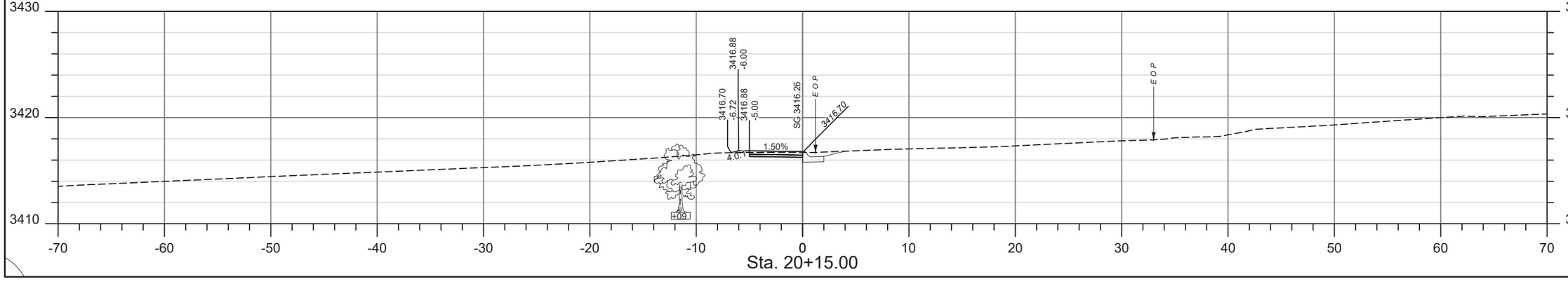
*ALL CURB AND GUTTER SHOWN ON THIS CROSS SECTION SHEET IS EXISTING CURB AND GUTTER



Sta. 20+50.00



Sta. 20+35.00



Sta. 20+15.00

SHEET NO. 2

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY202.DWG

MONTANA Department of Transportation

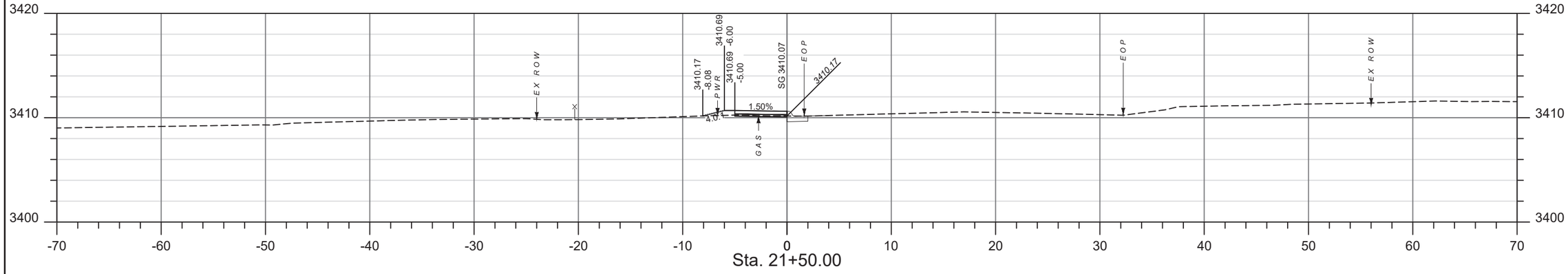
SW2 CROSS SECTIONS

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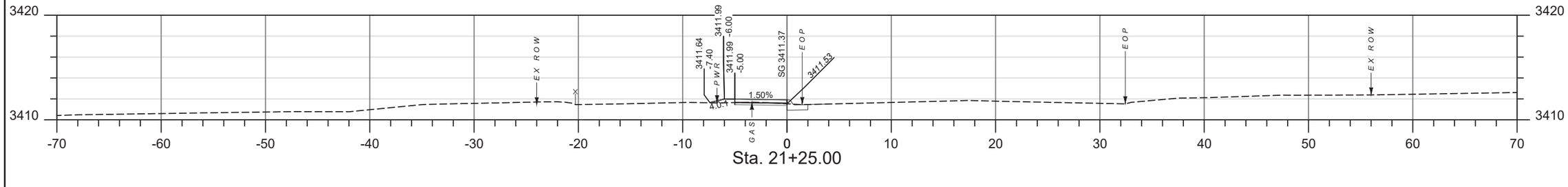
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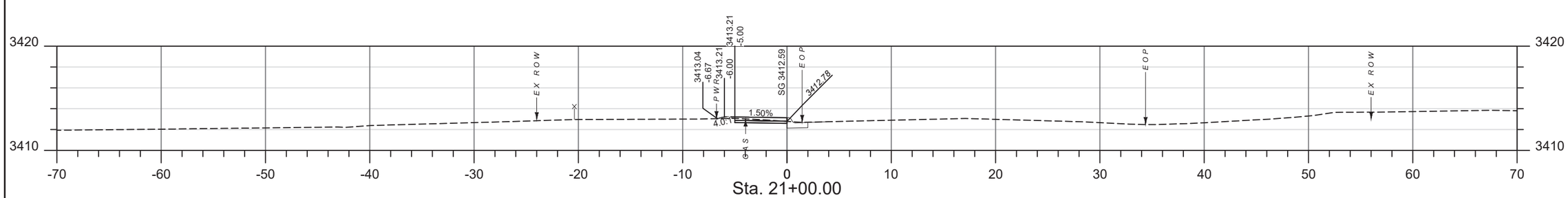
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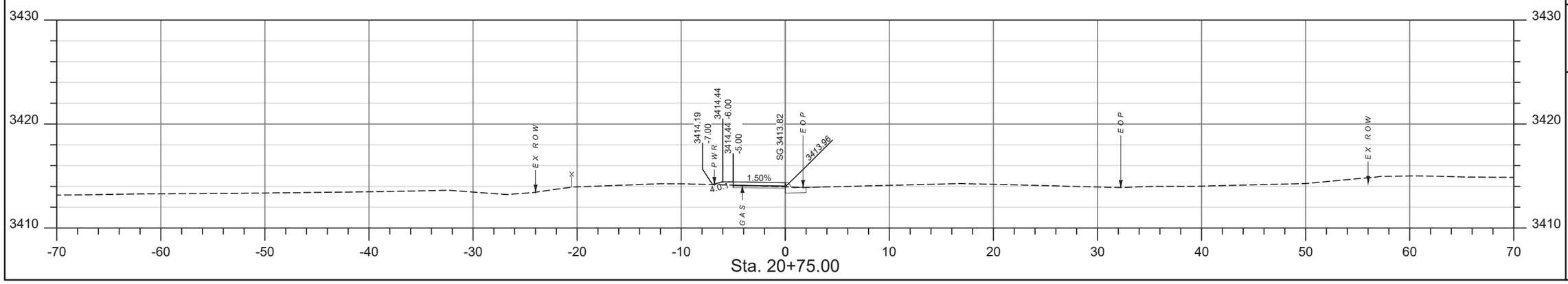
Sta. 21+50.00



Sta. 21+25.00



Sta. 21+00.00



Sta. 20+75.00

SHEET NO.
3

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDLAY202.DWG

MONTANA Department of Transportation

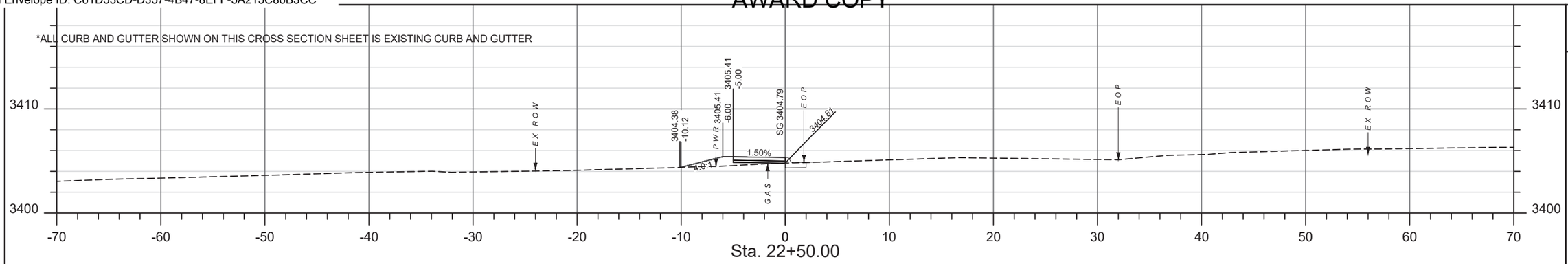
SW2 CROSS SECTIONS

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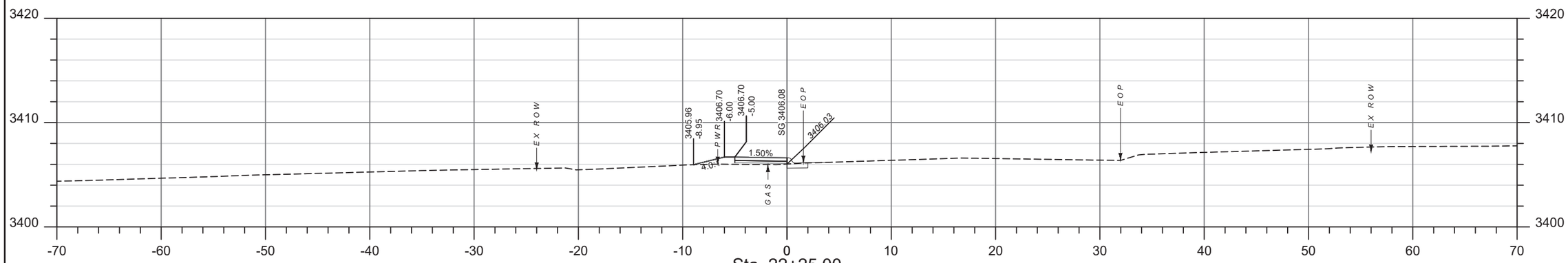
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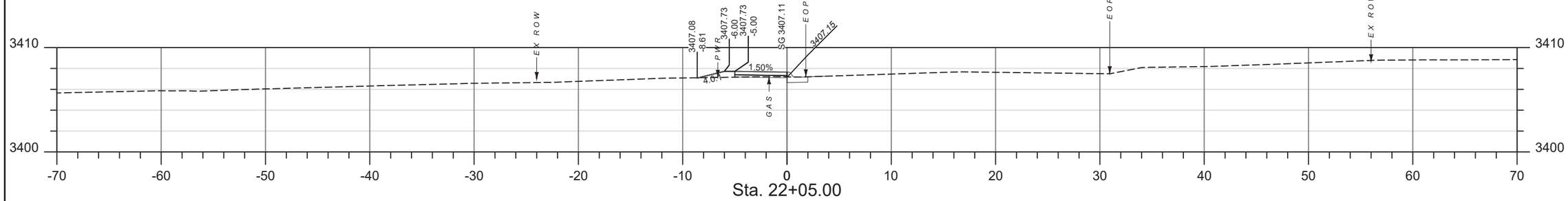
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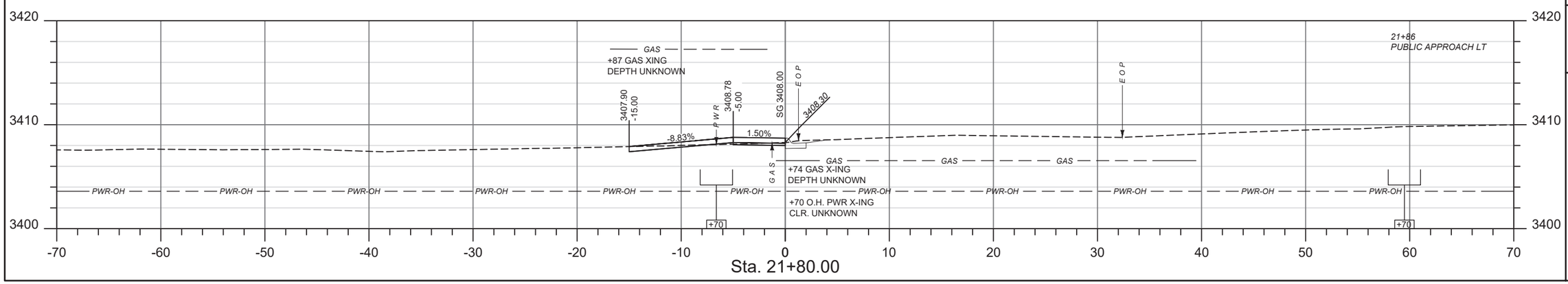
Sta. 22+50.00



Sta. 22+25.00



Sta. 22+05.00



Sta. 21+80.00

GreatWest ENGINEERING

SHEET NO. 4

SIDEWALK CROSS SECTIONS

PROJECT NAME SIDEWALKS PHASE III - CASCADE

COUNTY CASCADE COUNTY

PROJECT ID TA 7(76)

UPN 10105000

DESIGNED BY	L. DUNLAP	11-22-23	10105000RDLAY202.DWG
REVIEWED BY	J. THEYS	11-22-23	
CHECKED BY	R. HOLM	11-22-23	

MONTANA Department of Transportation

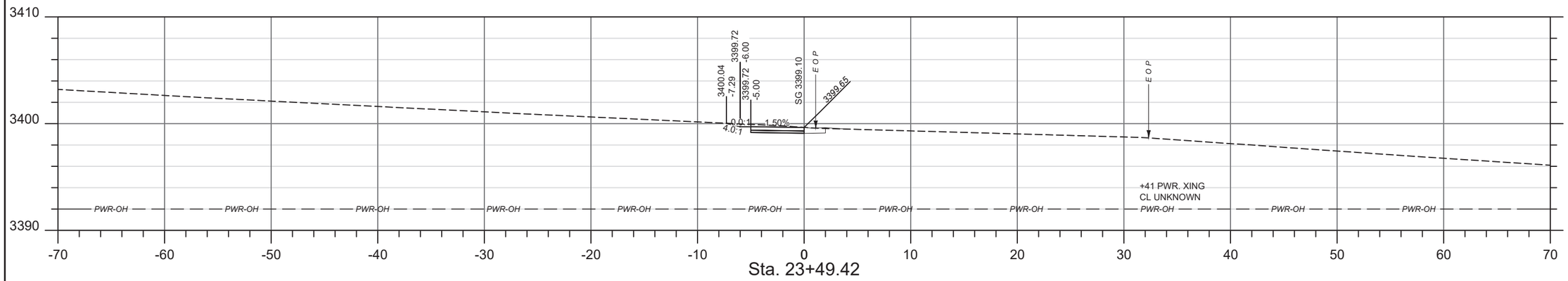
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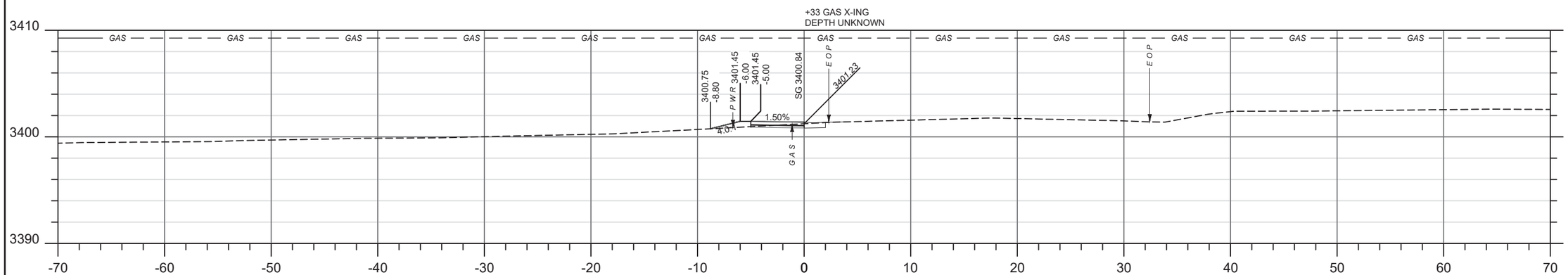
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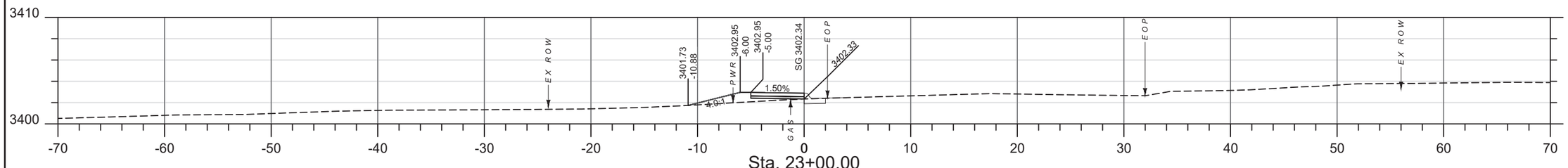
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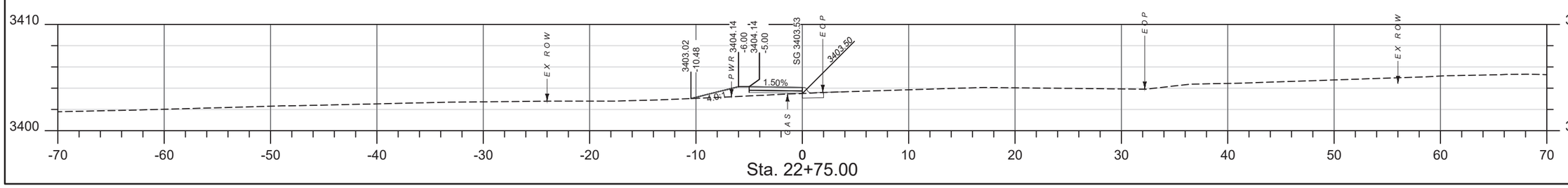
Sta. 23+49.42



Sta. 23+23.00



Sta. 23+00.00



Sta. 22+75.00

SHEET NO.
5

SIDEWALK CROSS SECTIONS

PROJECT NAME SIDEWALKS PHASE III - CASCADE
COUNTY CASCADE COUNTY
PROJECT ID TA 7(76)
UPN 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAYZ02.DWG

MONTANA
Department of Transportation

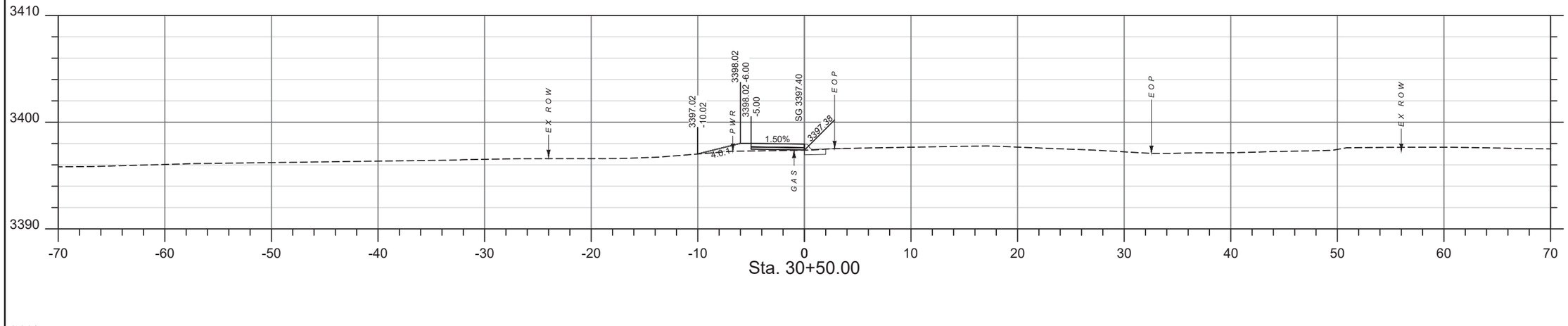
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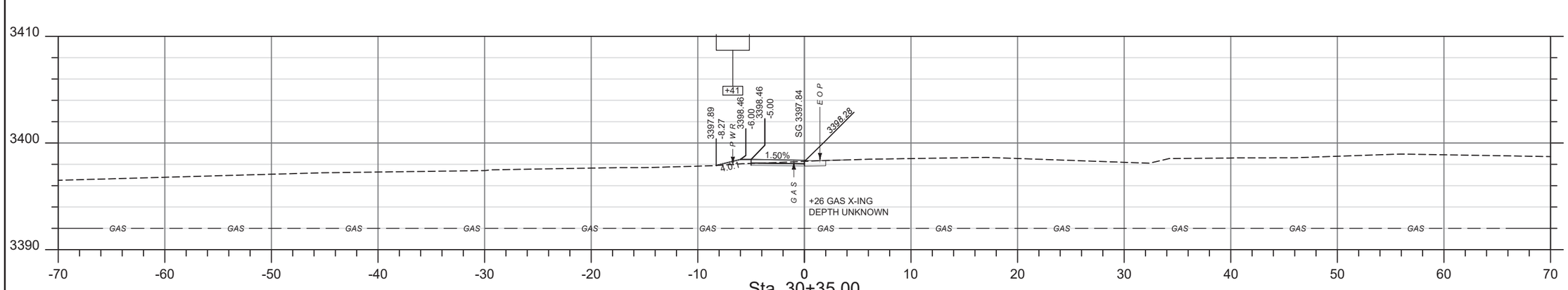
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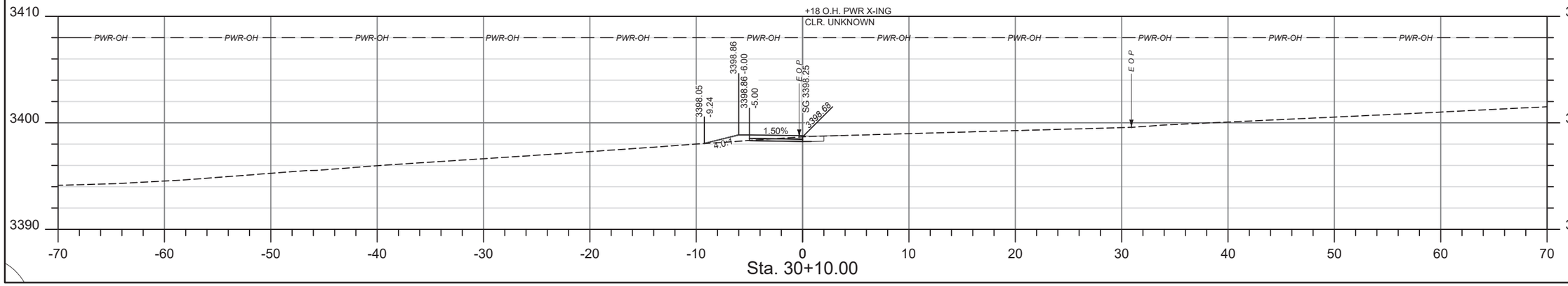
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Sta. 30+50.00



Sta. 30+35.00



Sta. 30+10.00

SHEET NO.
6

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY203.DWG

MONTANA Department of Transportation

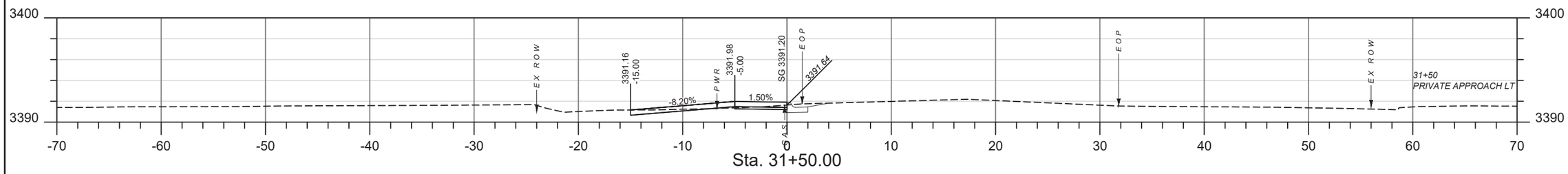
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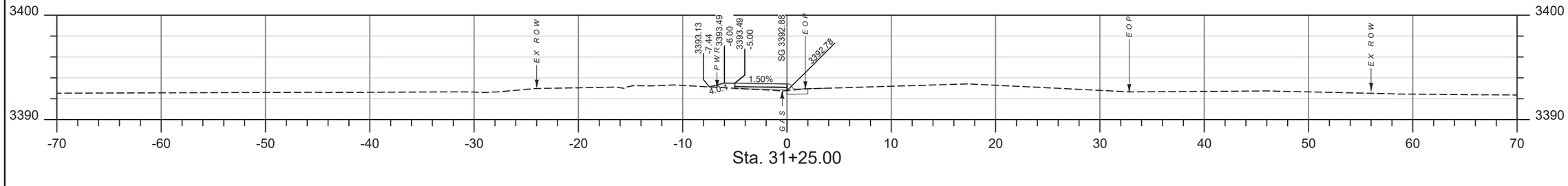
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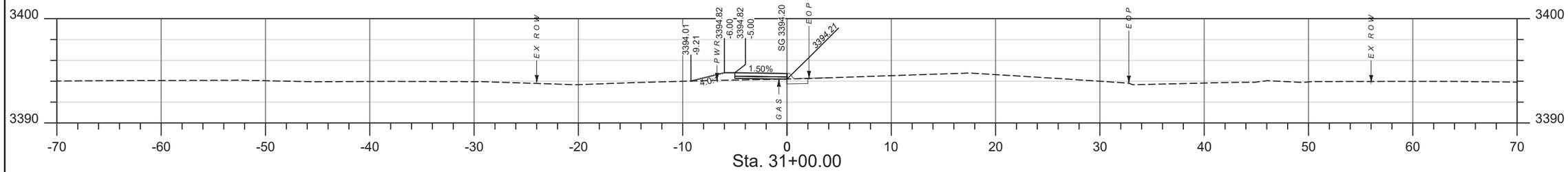
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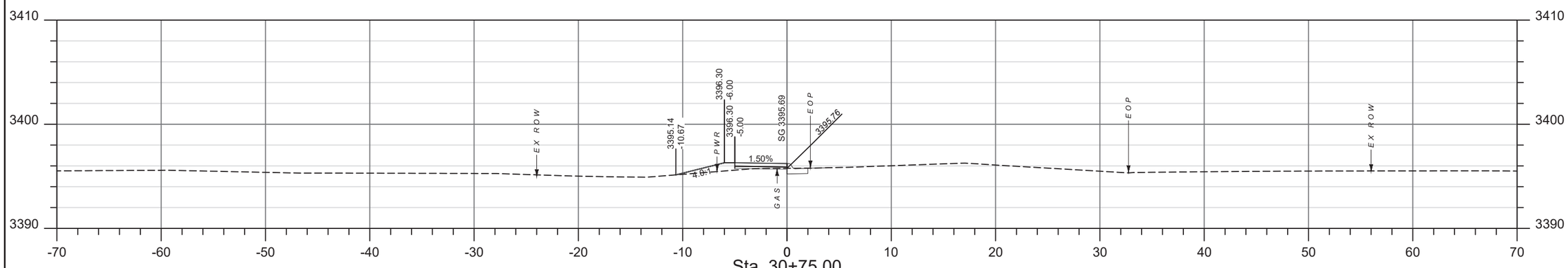
Sta. 31+50.00



Sta. 31+25.00



Sta. 31+00.00



Sta. 30+75.00

SHEET NO. 7

SIDEWALK CROSS SECTIONS

PROJECT NAME	SIDEWALKS PHASE III - CASCADE		
COUNTY	CASCADE COUNTY		
PROJECT ID	TA 7(76)		
UPN	10105000		
DESIGNED BY	L. DUNLAP	11-22-23	
REVIEWED BY	J. THEYS	11-22-23	
CHECKED BY	R. HOLM	11-22-23	

MONTANA Department of Transportation

SW3 CROSS SECTIONS

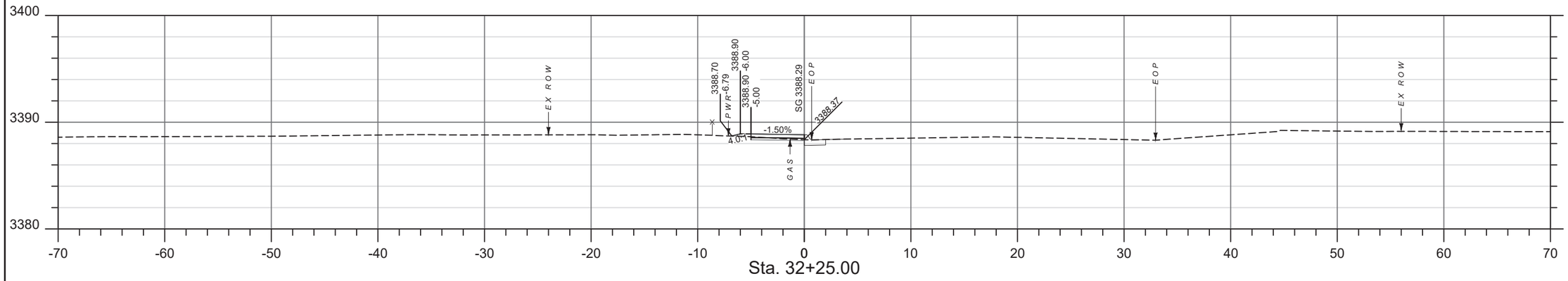
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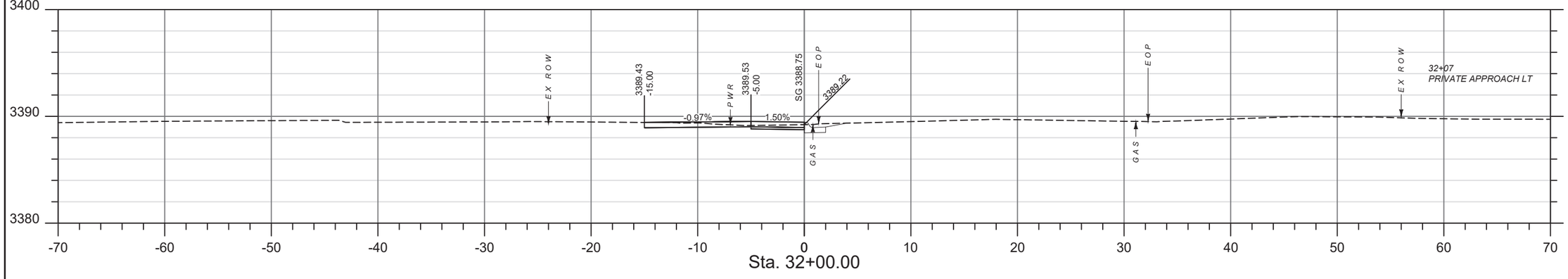
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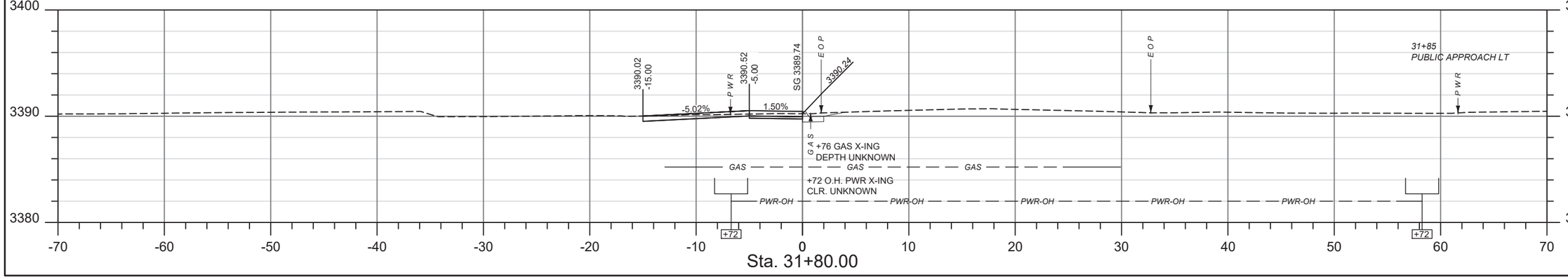
*ALL CURB AND GUTTER SHOWN ON THIS CROSS SECTION SHEET IS EXISTING CURB AND GUTTER



Sta. 32+25.00



Sta. 32+00.00



Sta. 31+80.00

SHEET NO.
8

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY203.DWG

MONTANA Department of Transportation

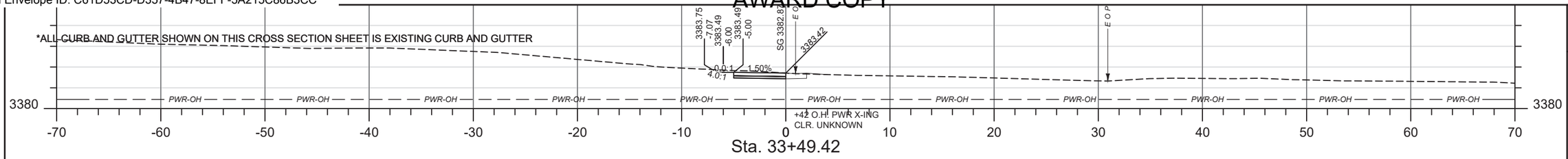
SW3 CROSS SECTIONS

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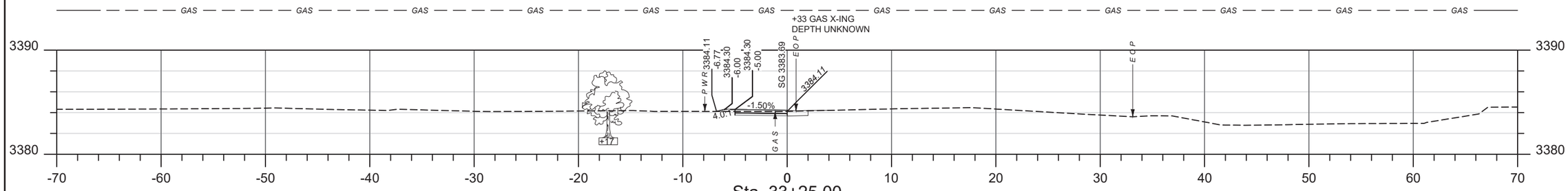
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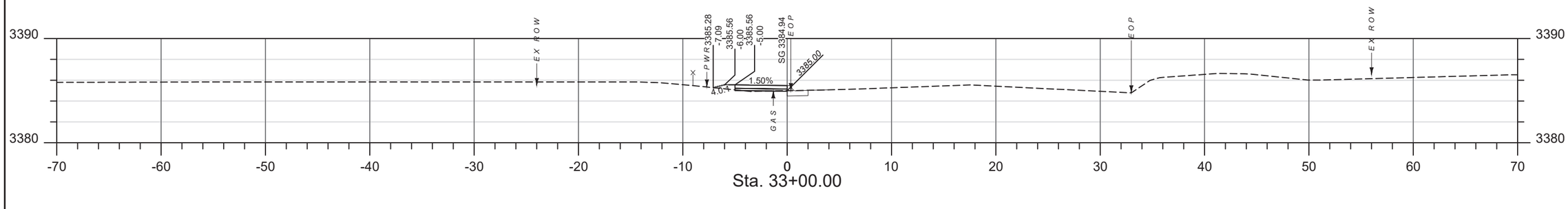
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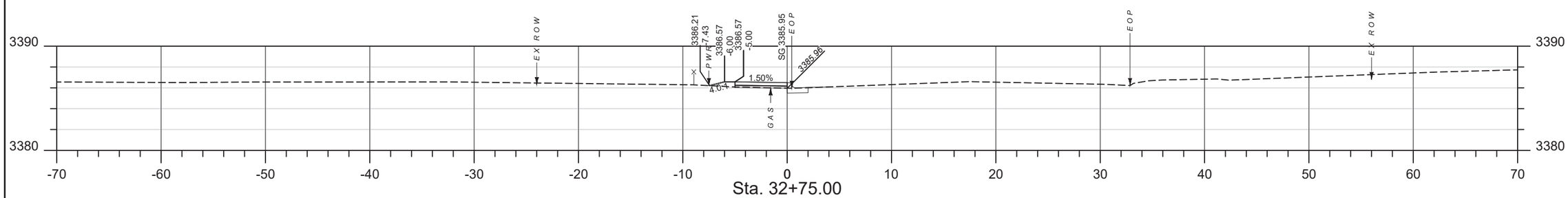
Sta. 33+49.42



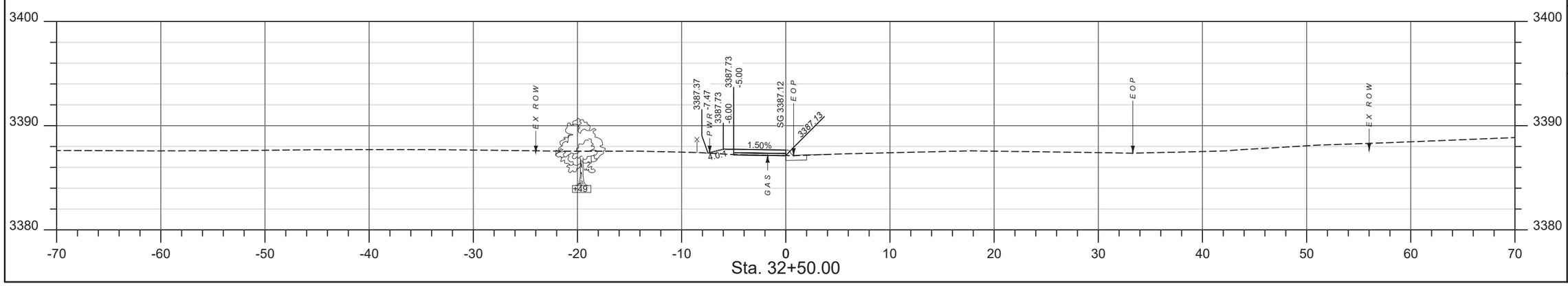
Sta. 33+25.00



Sta. 33+00.00



Sta. 32+75.00



Sta. 32+50.00

SHEET NO. 9

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE

COUNTY: CASCADE COUNTY

PROJECT ID: TA 7(76)

UPN: 10105000

	CHECKED BY	R. HOLM	11-22-23
	REVIEWED BY	J. THEYS	11-22-23
	DESIGNED BY	L. DUNLAP	11-22-23

MONTANA Department of Transportation

SW3 CROSS SECTIONS

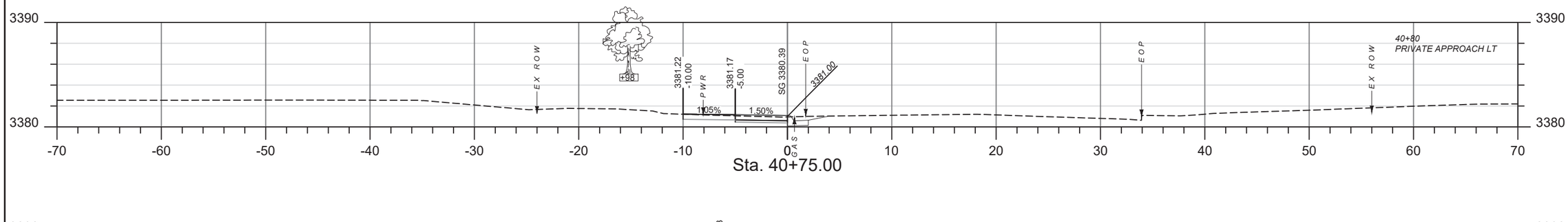
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10105000RDLAY203.DWG

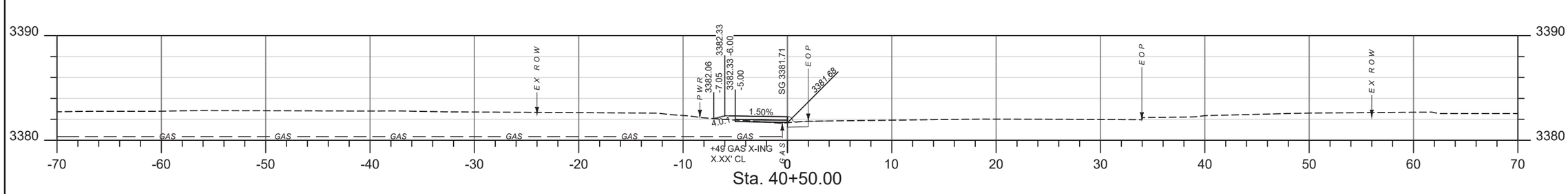
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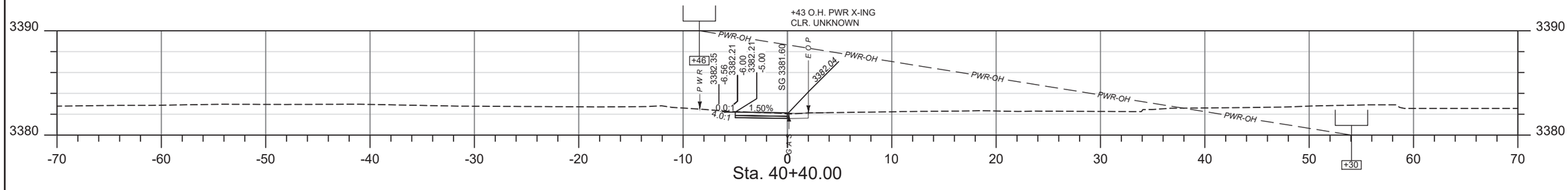
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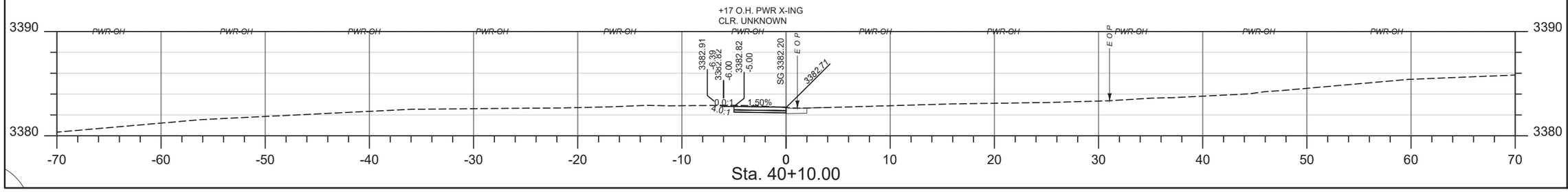
Sta. 40+75.00



Sta. 40+50.00



Sta. 40+40.00



Sta. 40+10.00

SHEET NO.
10

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY204.DWG

MONTANA Department of Transportation

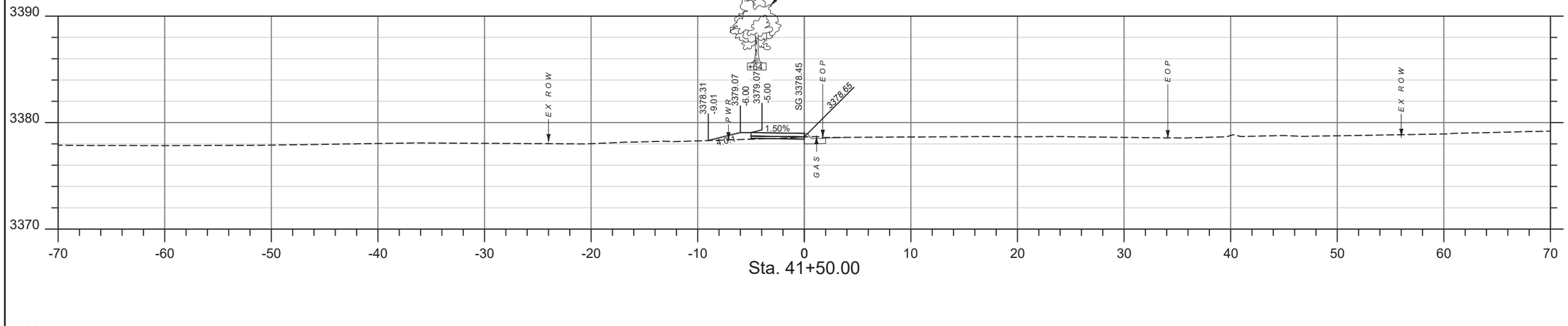
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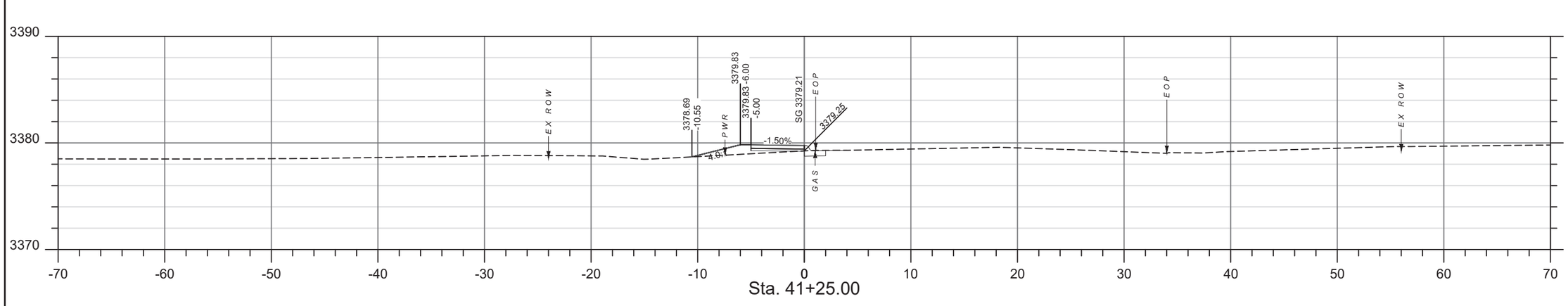
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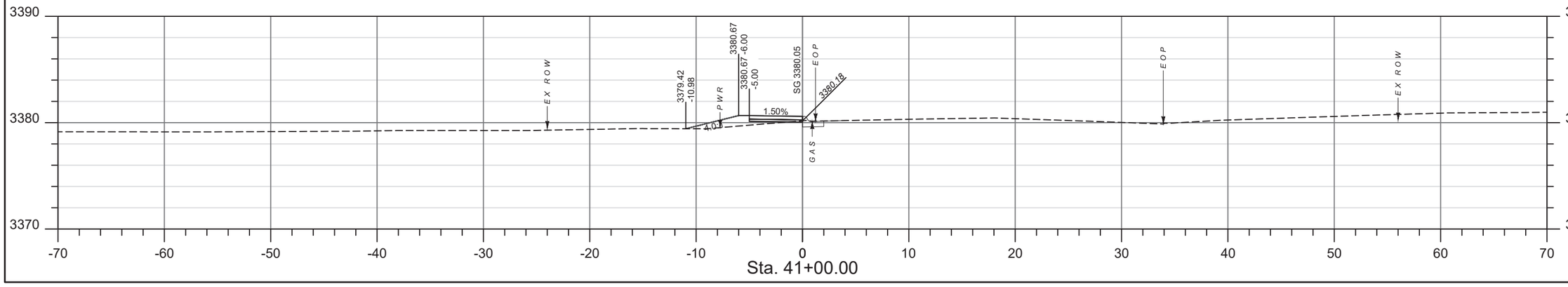
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AWARD COPY

*ALL CURB AND GUTTER SHOWN ON THIS CROSS SECTION SHEET IS EXISTING CURB AND GUTTER







SHEET NO.
11

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAYZ04.DWG

MONTANA Department of Transportation

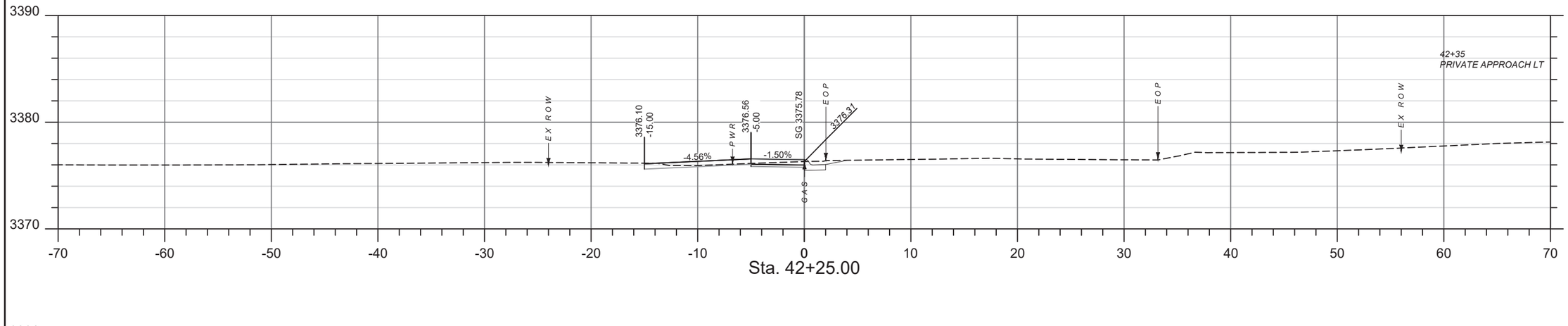
SW4 CROSS SECTIONS

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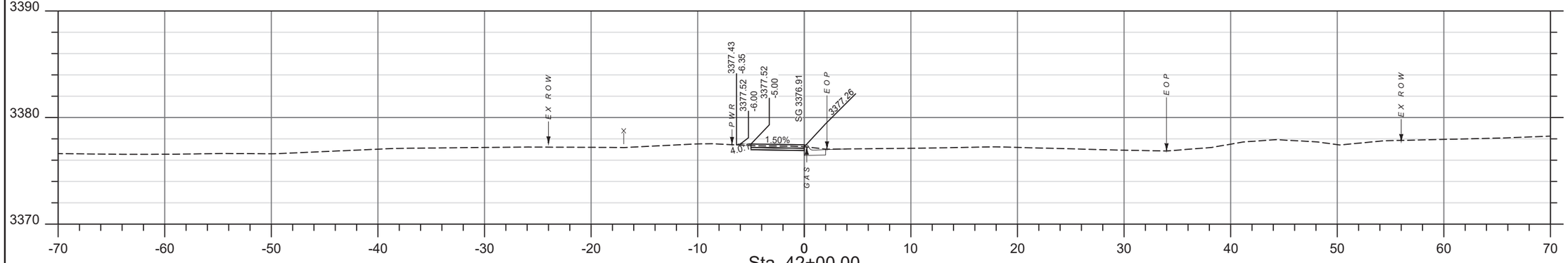
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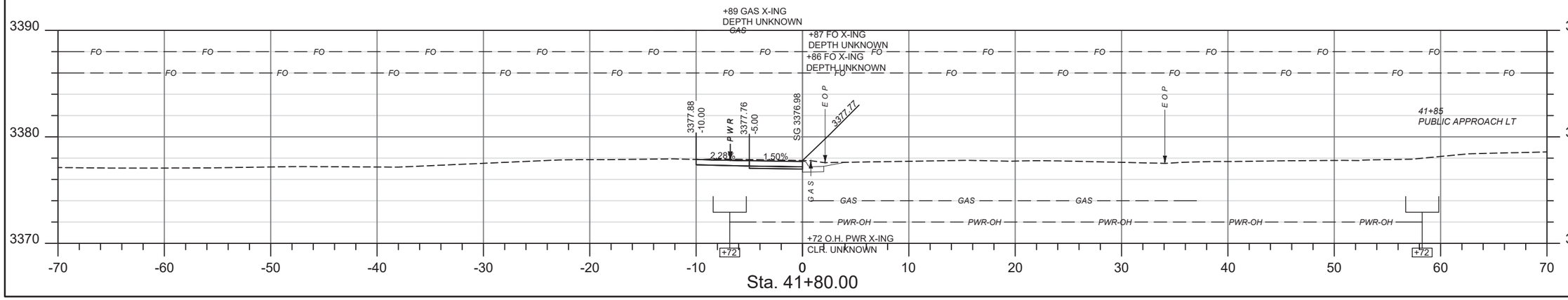
*ALL CURB AND GUTTER SHOWN ON THIS CROSS SECTION SHEET IS EXISTING CURB AND GUTTER



Sta. 42+25.00



Sta. 42+00.00



Sta. 41+80.00

SHEET NO. 12

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY204.DWG

MONTANA Department of Transportation

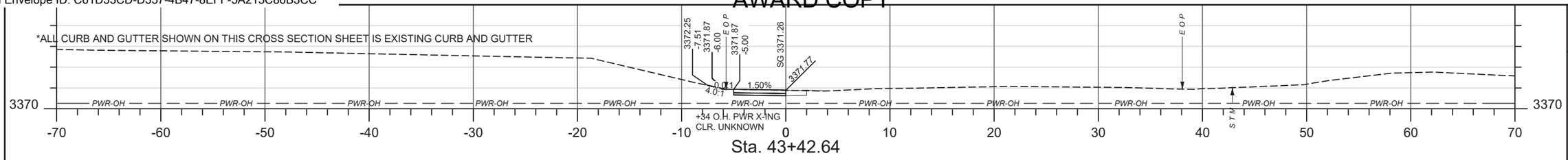
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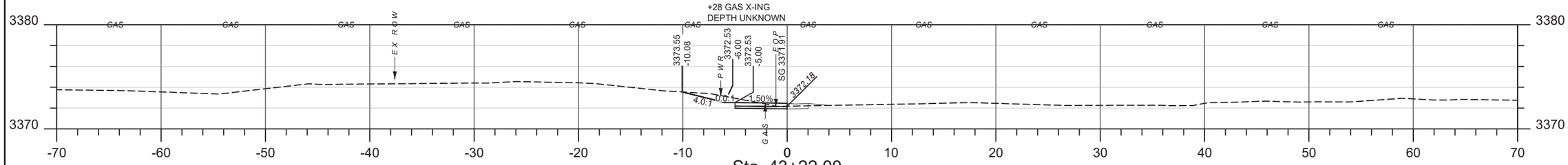
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AWARD COPY

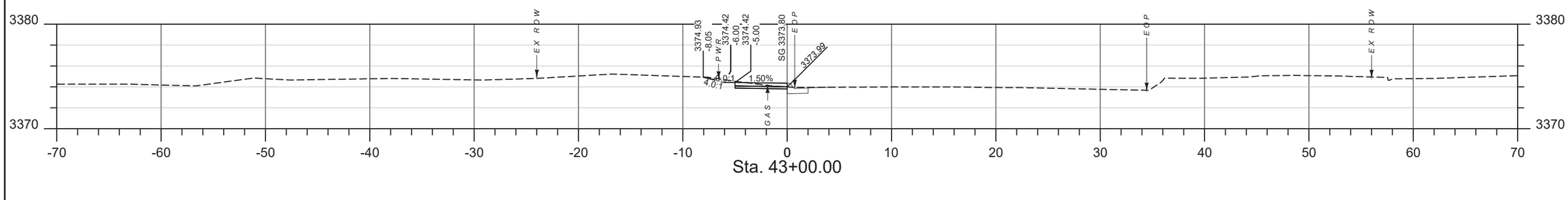
*ALL CURB AND GUTTER SHOWN ON THIS CROSS SECTION SHEET IS EXISTING CURB AND GUTTER



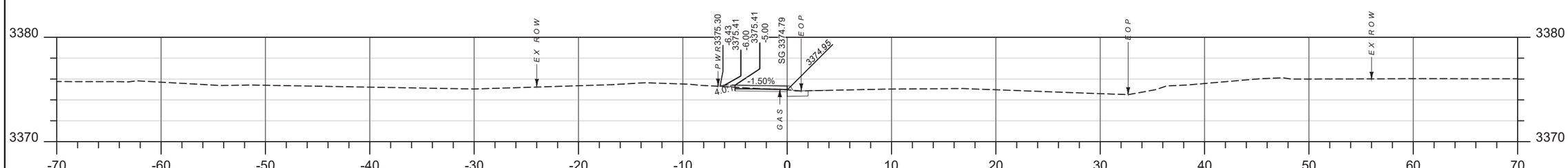
Sta. 43+42.64



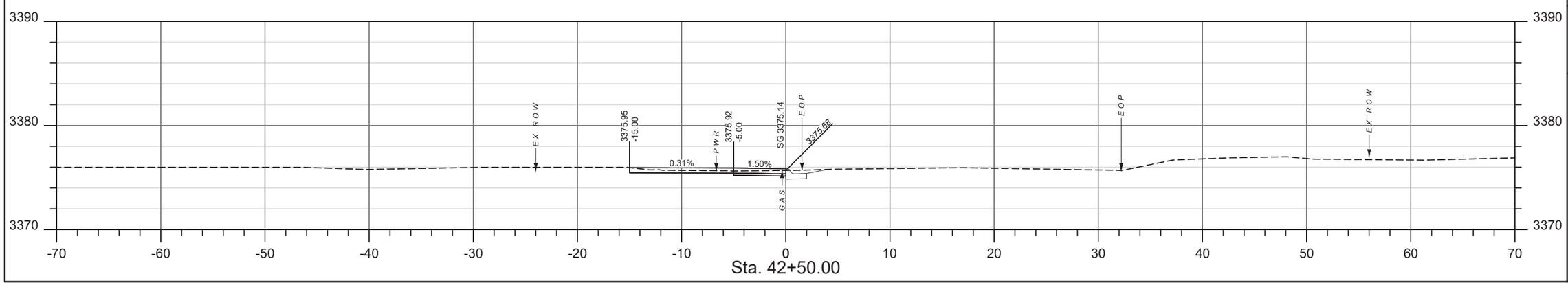
Sta. 43+22.00



Sta. 43+00.00



Sta. 42+75.00



Sta. 42+50.00

GreatWest ENGINEERING

SHEET NO. 13

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

MONTANA Department of Transportation

SW4 CROSS SECTIONS

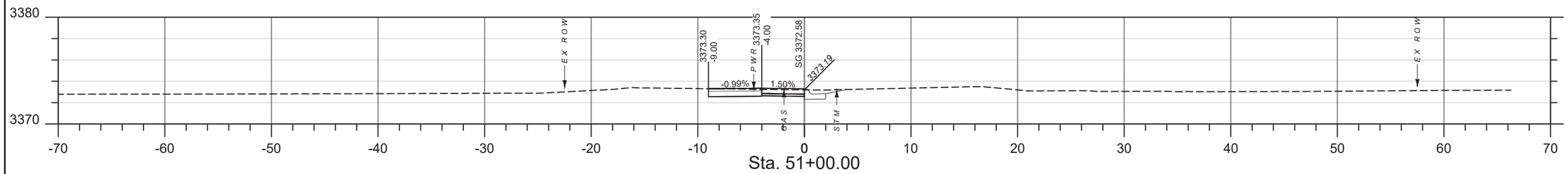
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7/7/2023 12:57 PM

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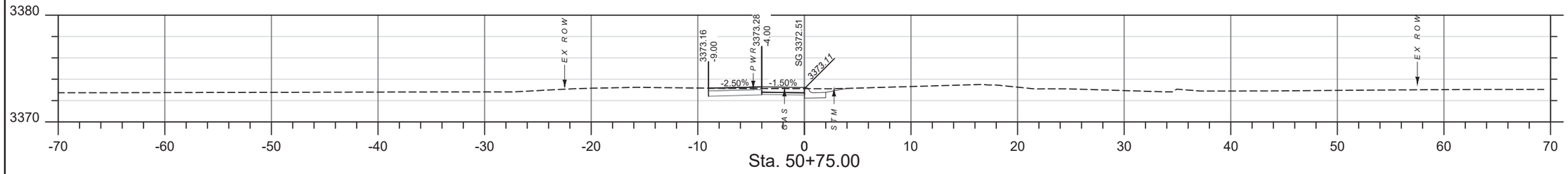
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*ALL CURB AND GUTTER SHOWN ON THIS CROSS SECTION SHEET IS EXISTING CURB AND GUTTER



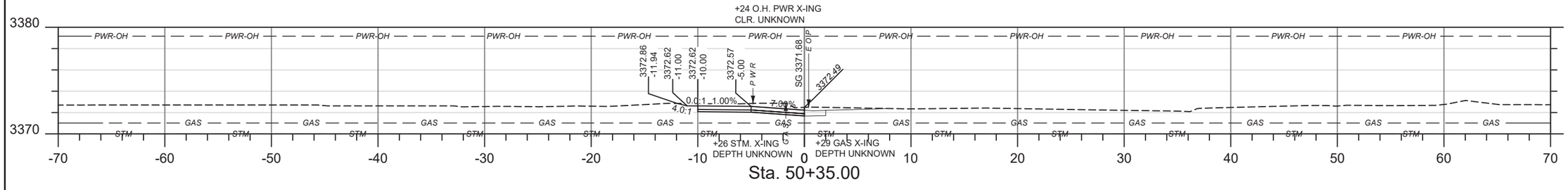
Sta. 51+00.00

50+92
PRIVATE APPROACH LT

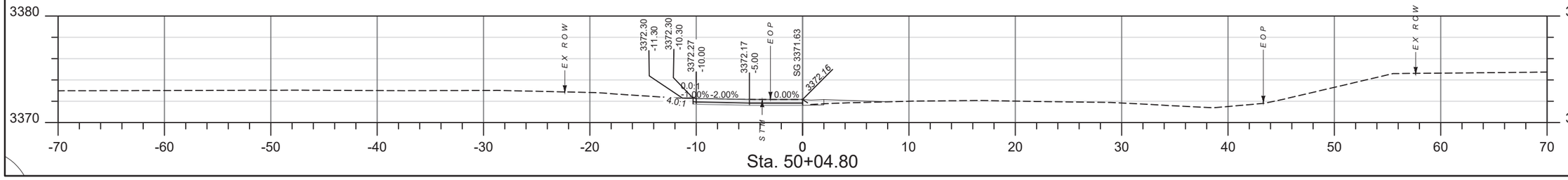


Sta. 50+75.00

Sta. 50+50.00



Sta. 50+35.00



Sta. 50+04.80

SHEET NO.
14

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDLAY205.DWG

MONTANA
Department of Transportation

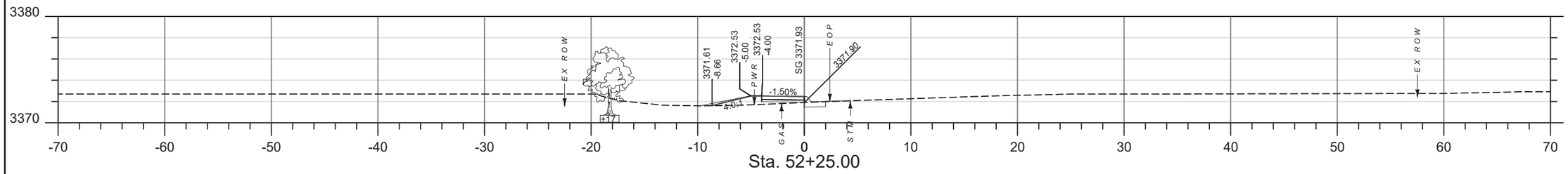
SW5 CROSS SECTIONS

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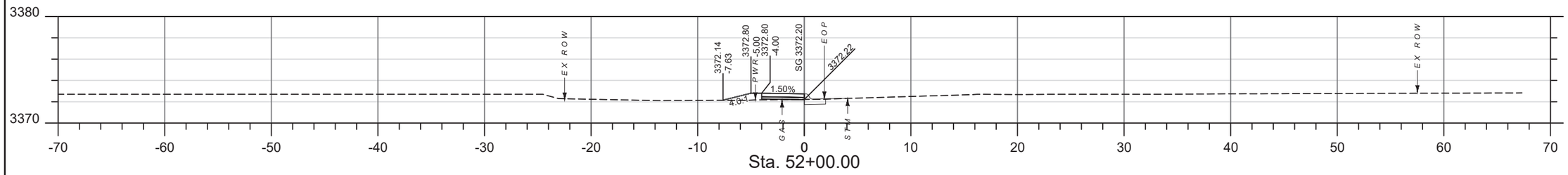
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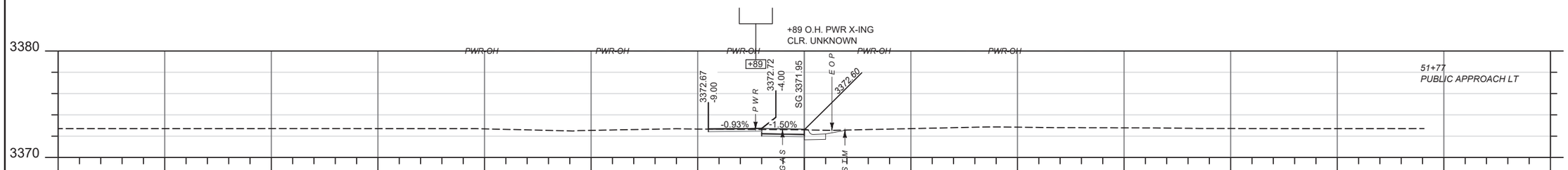
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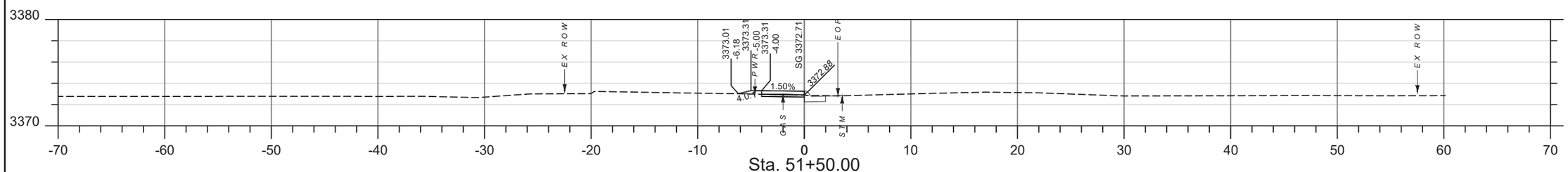
Sta. 52+25.00



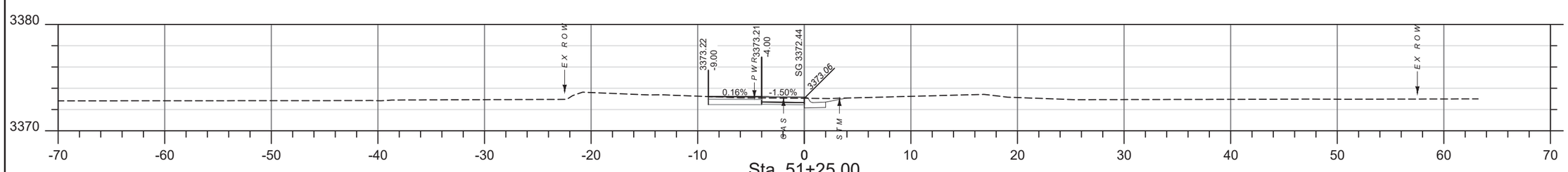
Sta. 52+00.00



Sta. 51+75.00



Sta. 51+50.00



Sta. 51+25.00

SHEET NO.
15

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23	
REVIEWED BY	J. THEYS	11-22-23	
DESIGNED BY	L. DUNLAP	11-22-23	10105000RDLAYZ05.DWG

MONTANA Department of Transportation

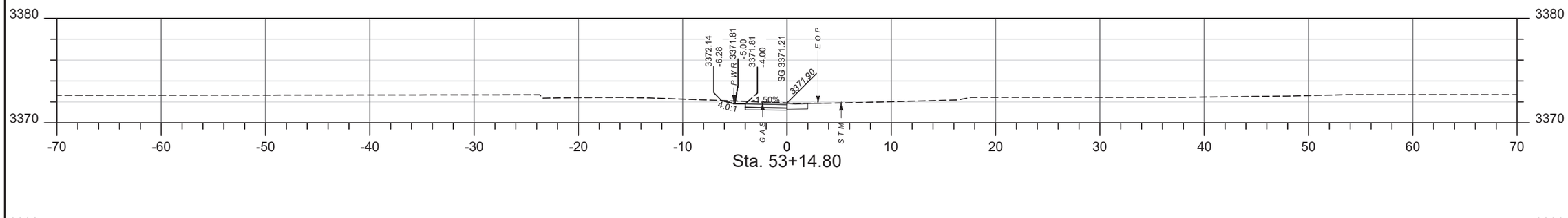
SW5 CROSS SECTIONS

6/21/2023 1:49 PM

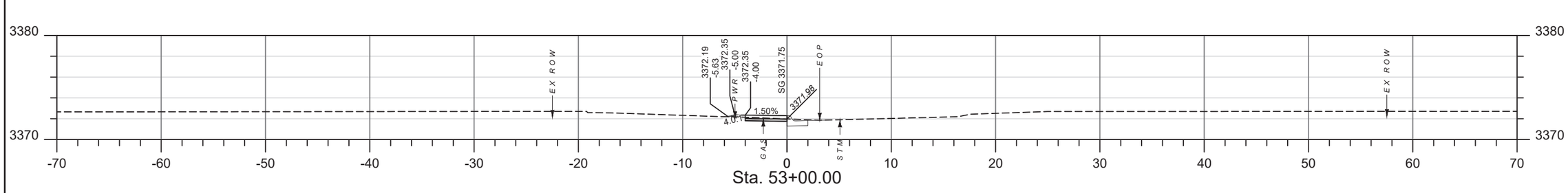
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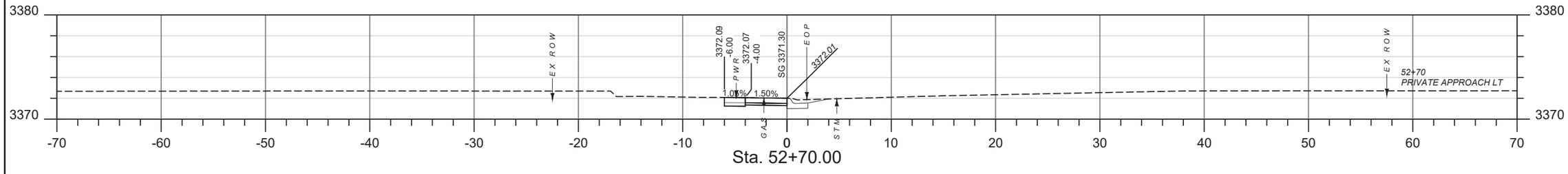
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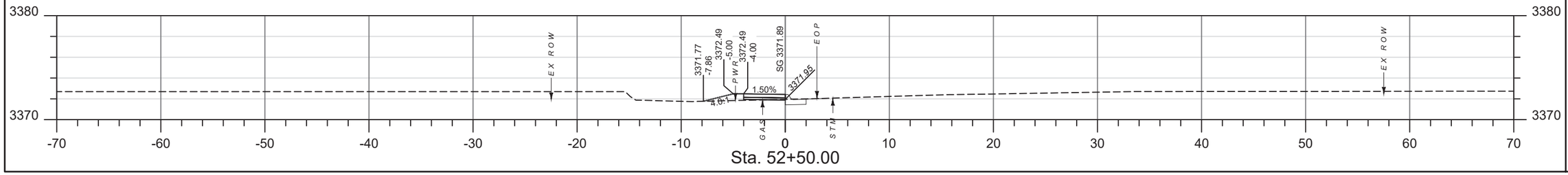
Sta. 53+14.80



Sta. 53+00.00



Sta. 52+70.00



Sta. 52+50.00

SHEET NO.
16

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY205.DWG

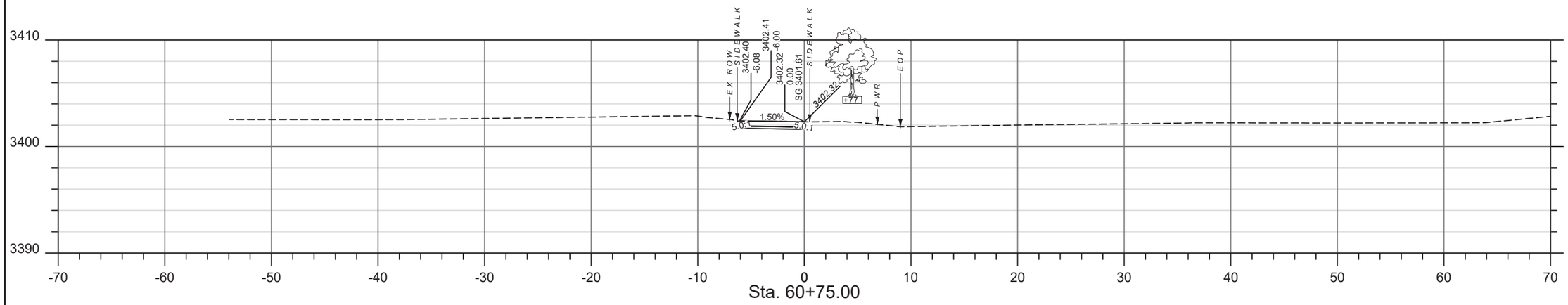
MONTANA
Department of Transportation

SW5 CROSS SECTIONS

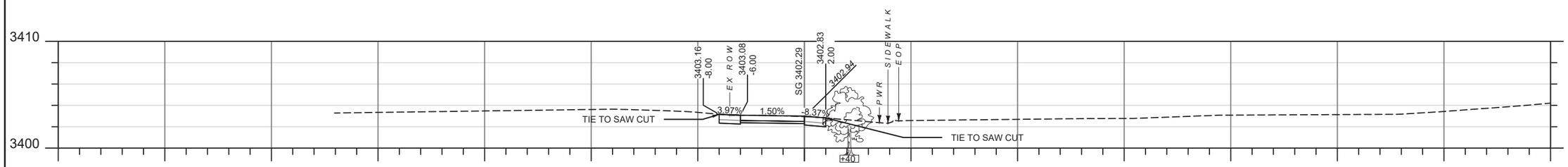
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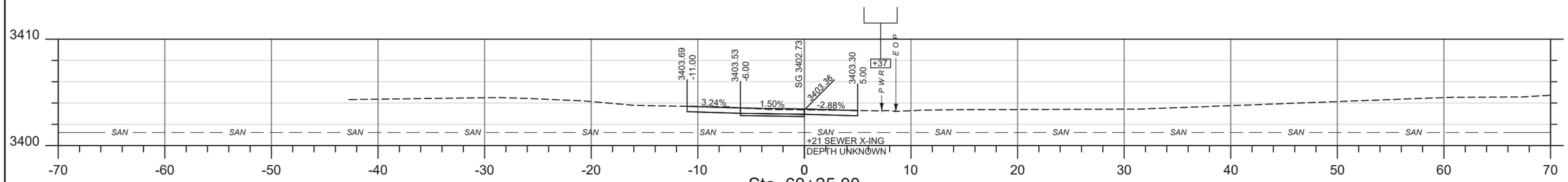


Sta. 60+75.00

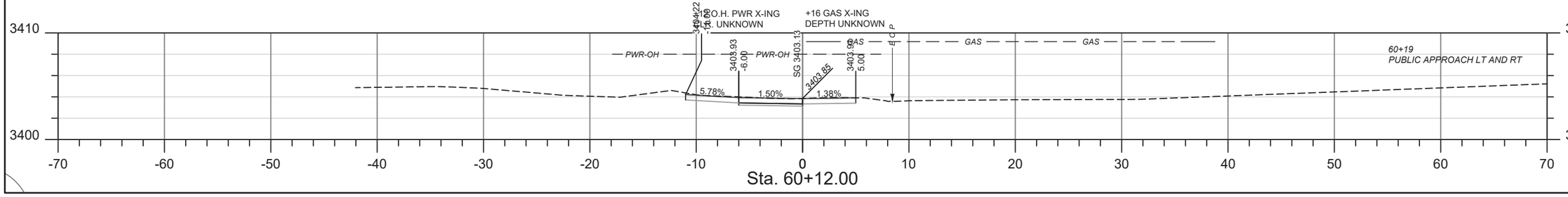


Sta. 60+50.00

60+49
PRIVATE APPROACH LT AND RT



Sta. 60+25.00



Sta. 60+12.00

60+19
PUBLIC APPROACH LT AND RT

SHEET NO.
17

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDLAYZ06.DWG

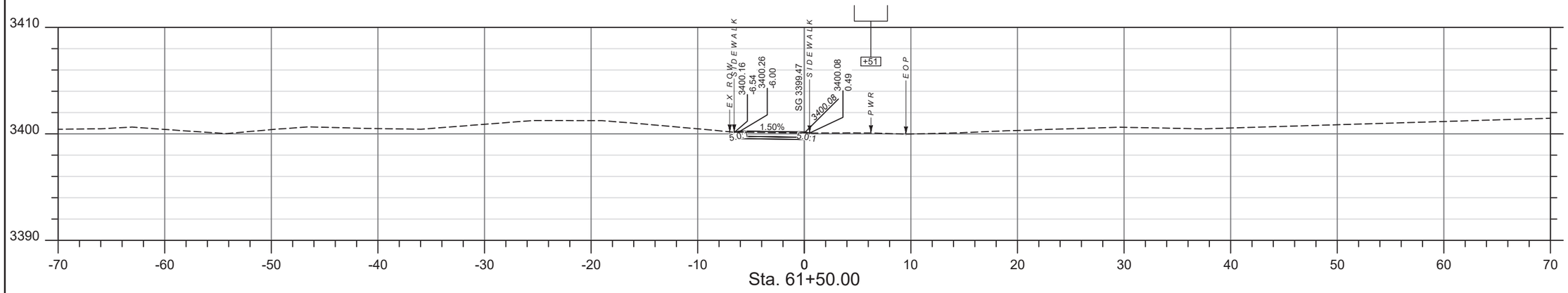
MONTANA
Department of Transportation

SW6 CROSS SECTIONS

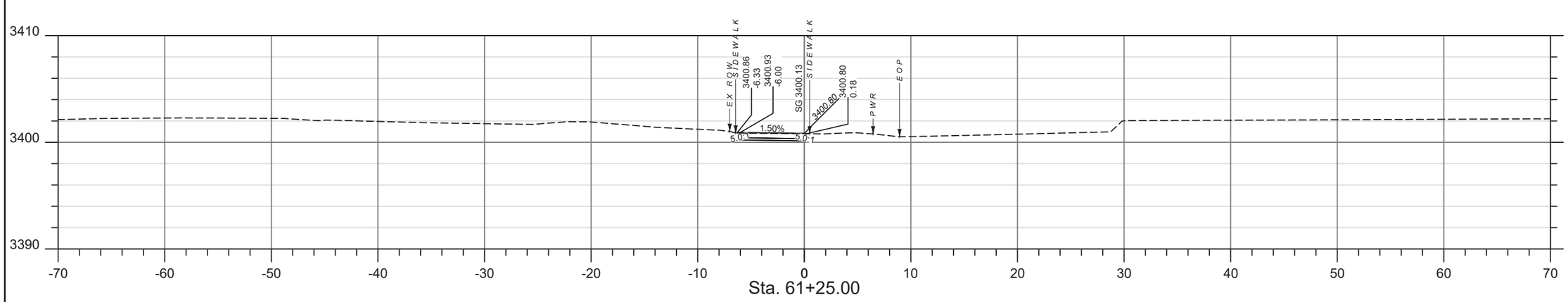
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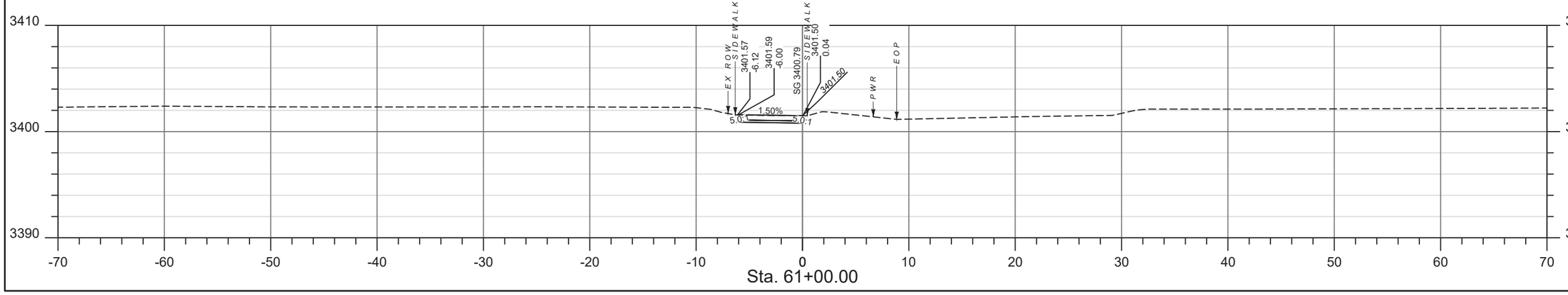
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Sta. 61+50.00



Sta. 61+25.00



Sta. 61+00.00

SHEET NO.
18

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAYZ06.DWG

MONTANA
Department of Transportation

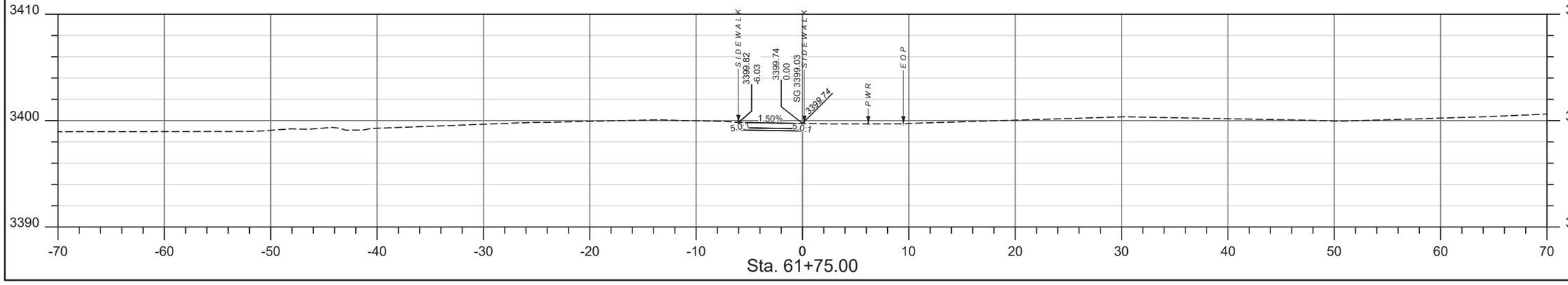
SW6 CROSS SECTIONS

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AWARD COPY

GreatWest ENGINEERING



SHEET NO.
19

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAYZ06.DWG

MONTANA
Department of Transportation

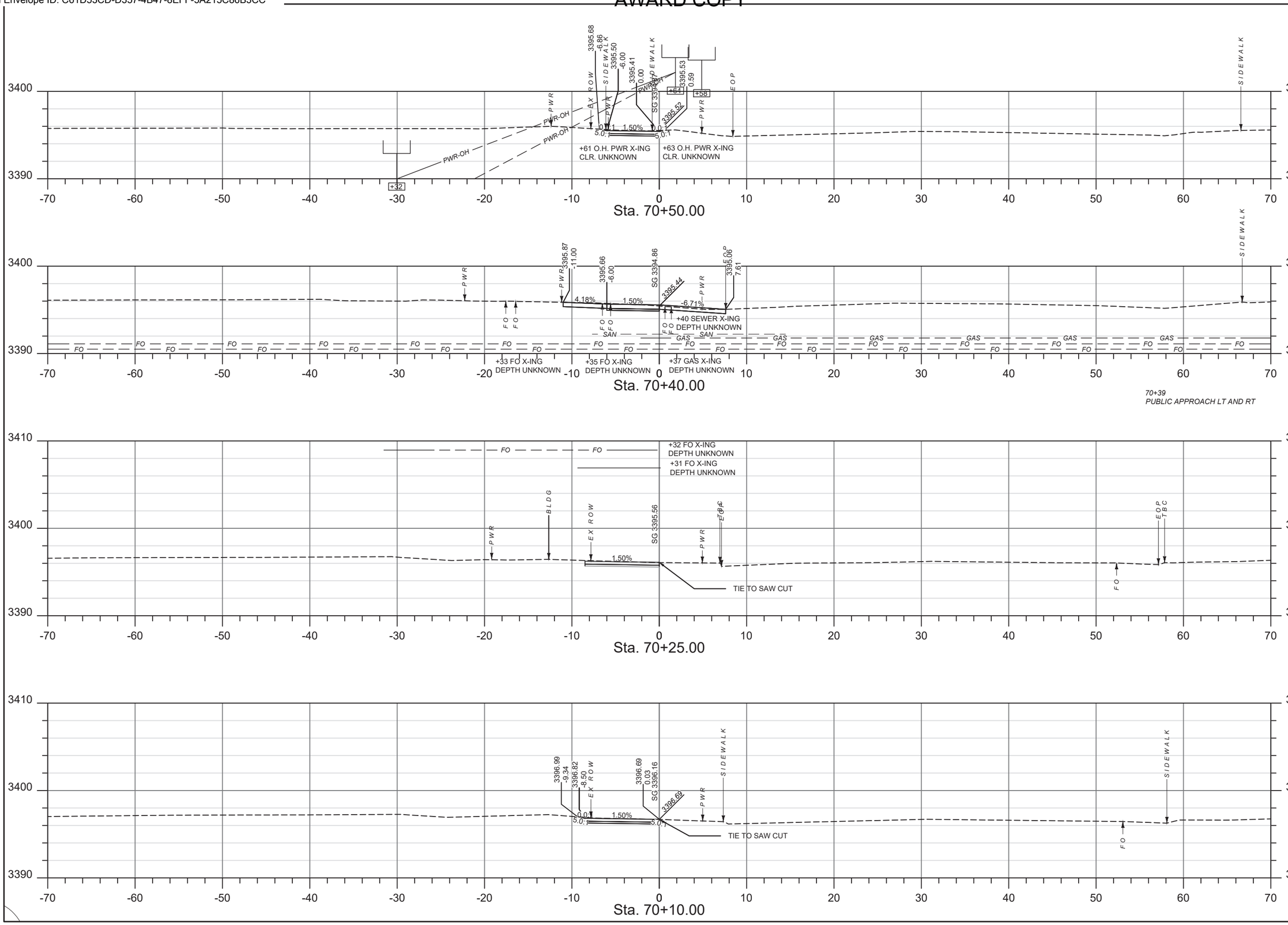
SW6 CROSS SECTIONS

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AWARD COPY

SIDEWALK CROSS SECTIONS



PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	CHECKED BY	REVIEWED BY	DESIGNED BY
	R. HOLM	J. THEYS	L. DUNLAP
	11-22-23	11-22-23	11-22-23

10105000RDLAY207.DWG

MONTANA
Department of Transportation

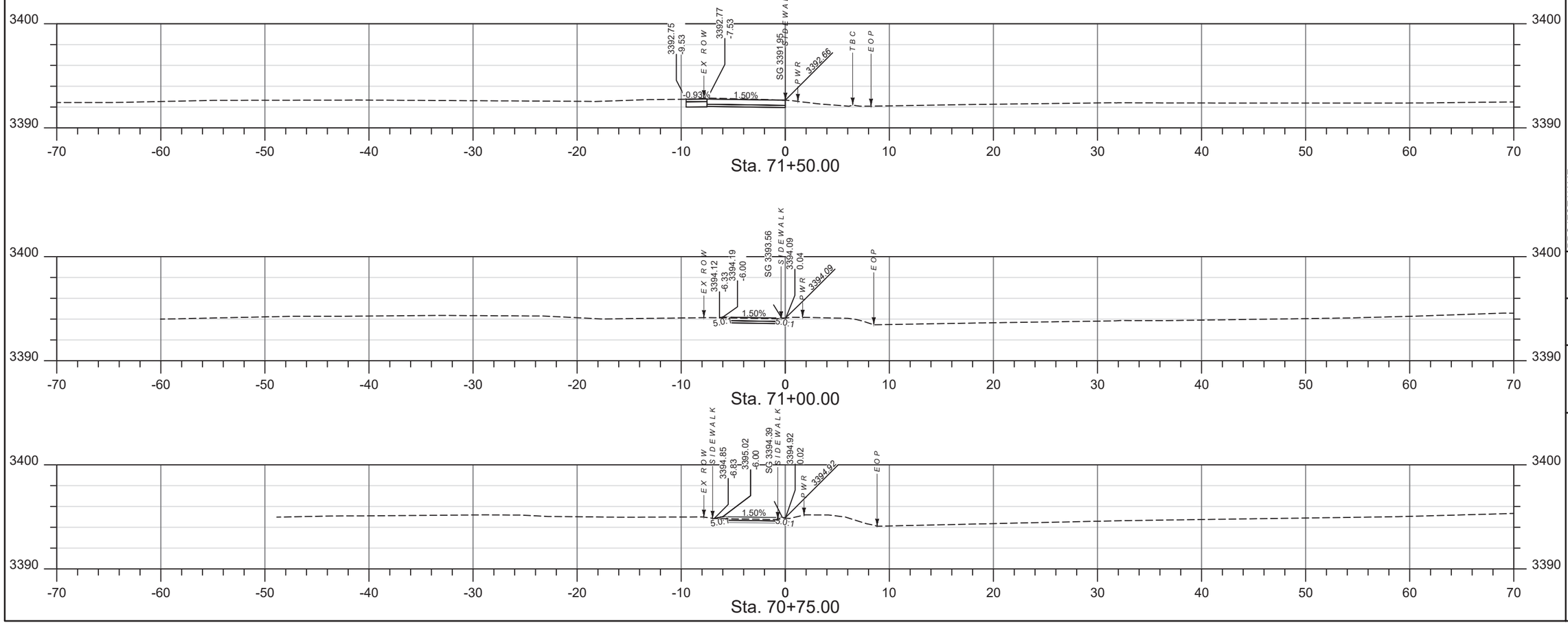
SW7 CROSS SECTIONS

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AWARD COPY

71+56
PRIVATE APPROACH LT



SHEET NO.
21

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM 11-22-23
REVIEWED BY	J. THEYS 11-22-23
DESIGNED BY	L. DUNLAP 11-22-23

10105000RDLAY207.DWG

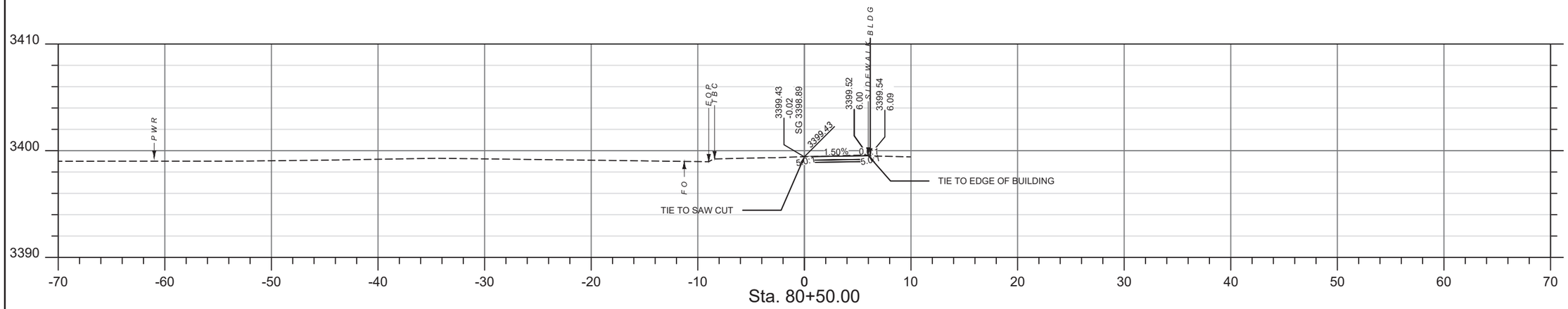
MONTANA
Department of Transportation

SW7 CROSS SECTIONS

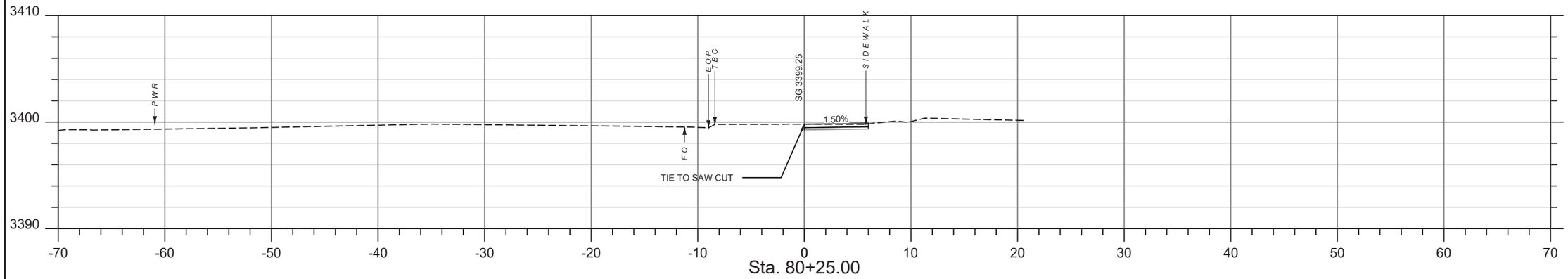
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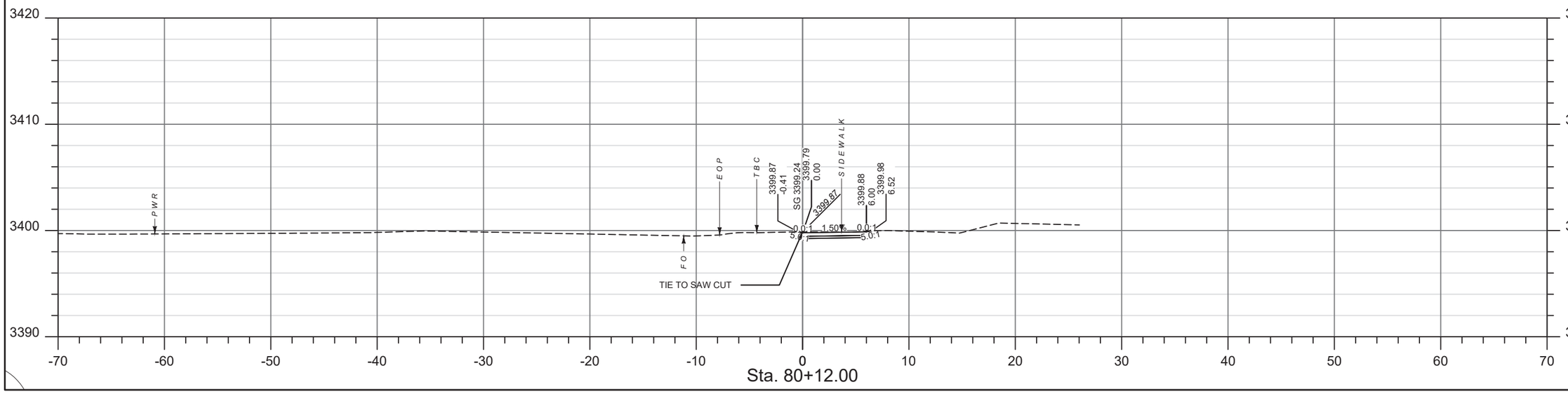
AWARD COPY



Sta. 80+50.00



Sta. 80+25.00



Sta. 80+12.00

GreatWest ENGINEERING

SHEET NO. 22

SIDEWALK CROSS SECTIONS

PROJECT NAME	SIDEWALKS PHASE III - CASCADE
COUNTY	CASCADE COUNTY
PROJECT ID	TA 7(76)
UPN	10105000
CHECKED BY	R. HOLM 11-22-23
REVIEWED BY	J. THEYS 11-22-23
DESIGNED BY	L. DUNLAP 11-22-23

MONTANA Department of Transportation

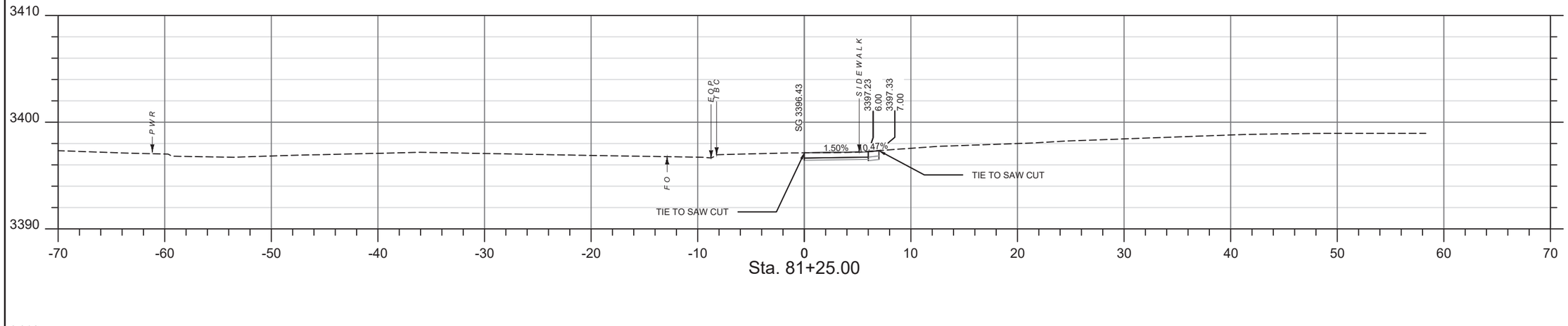
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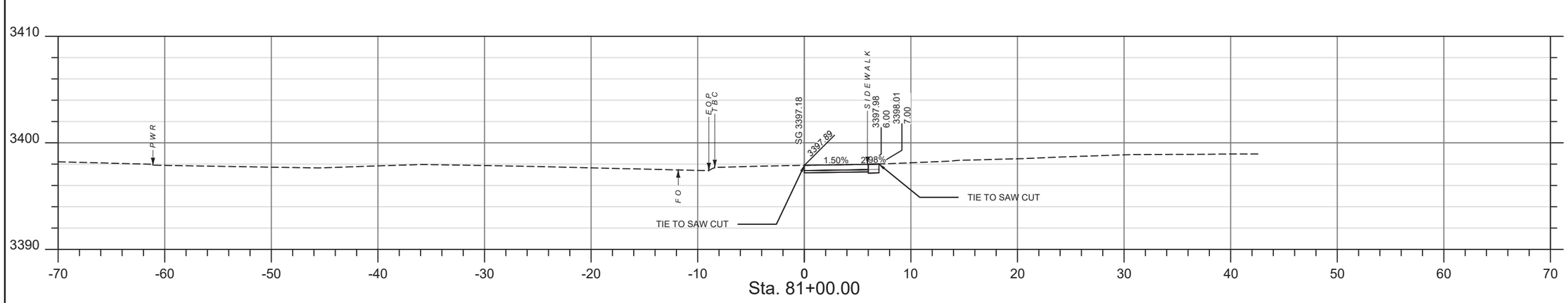
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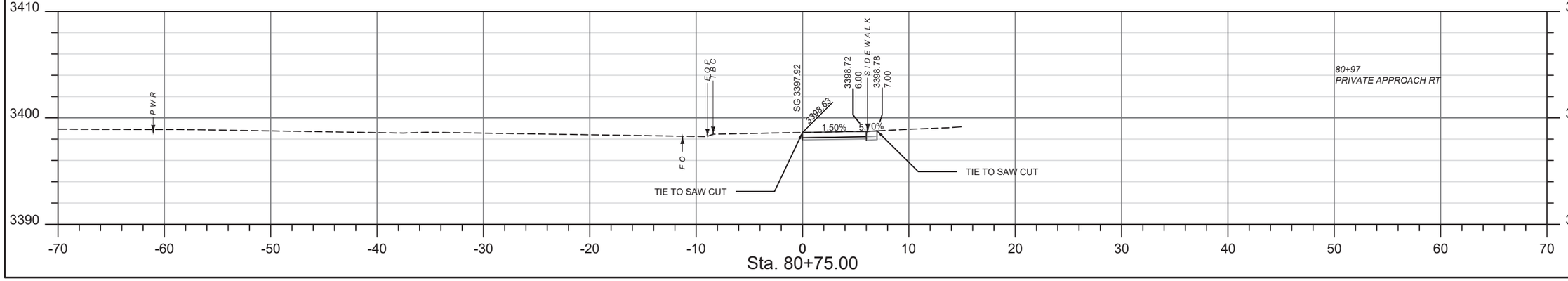
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Sta. 81+25.00



Sta. 81+00.00



Sta. 80+75.00

GreatWest ENGINEERING

SHEET NO. 23

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAYZ08.DWG

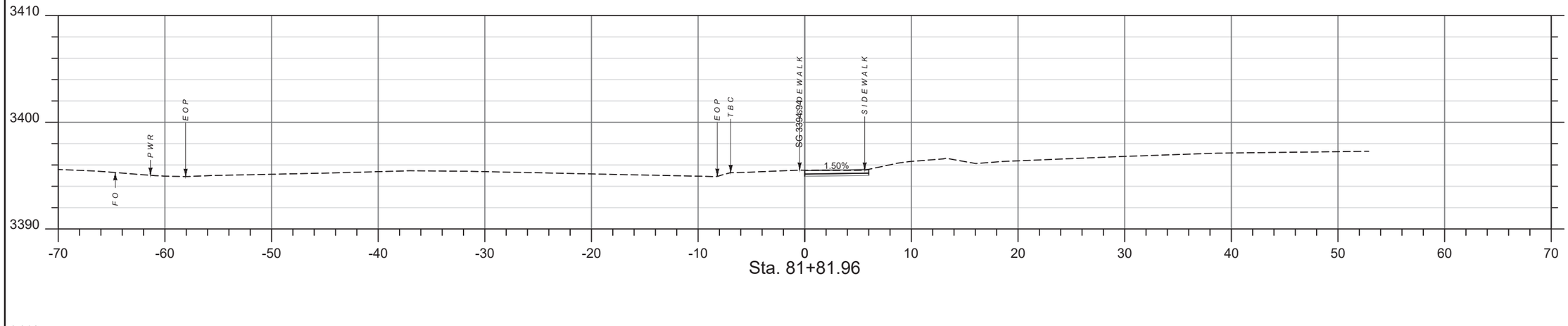
MONTANA Department of Transportation

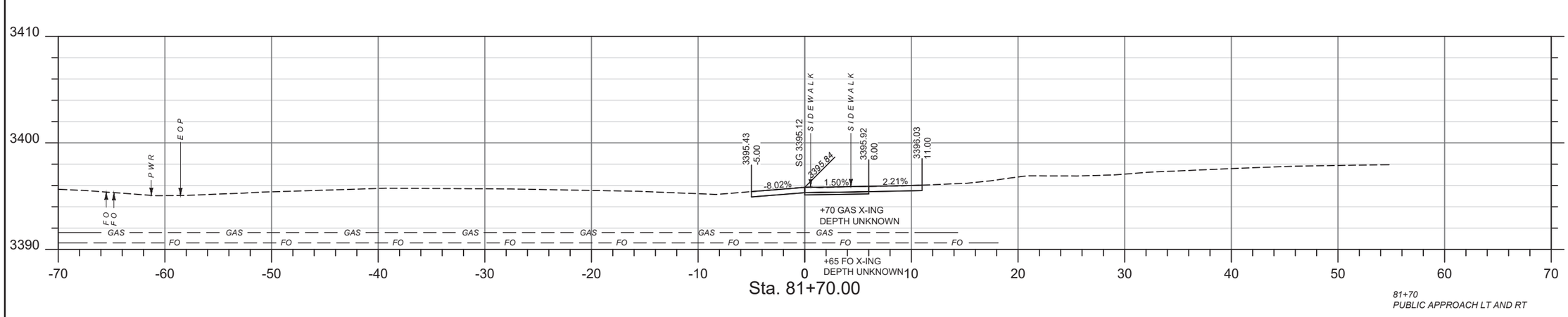
SW8 CROSS SECTIONS

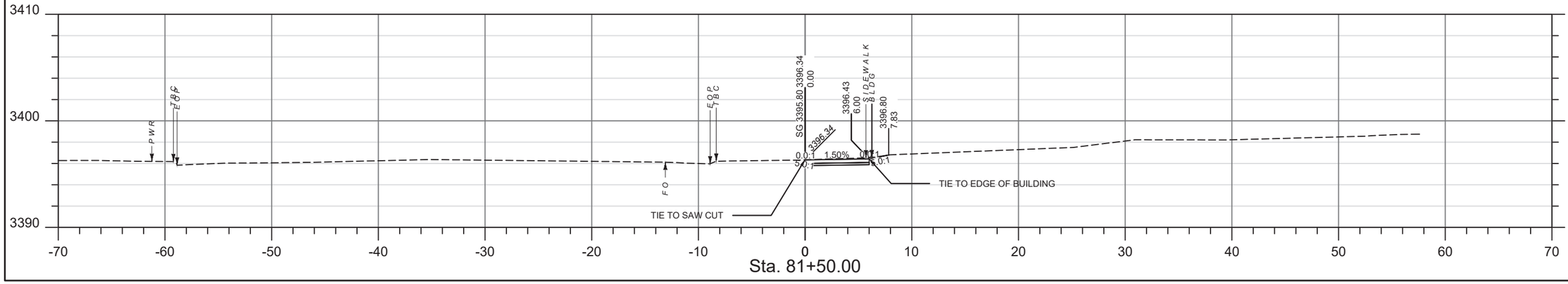
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AWARD COPY







SHEET NO.
24

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

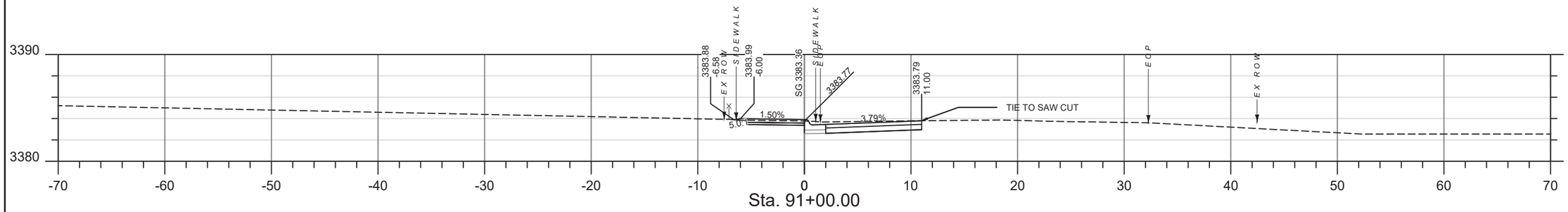
10105000RDLAYZ08.DWG

MONTANA
Department of Transportation

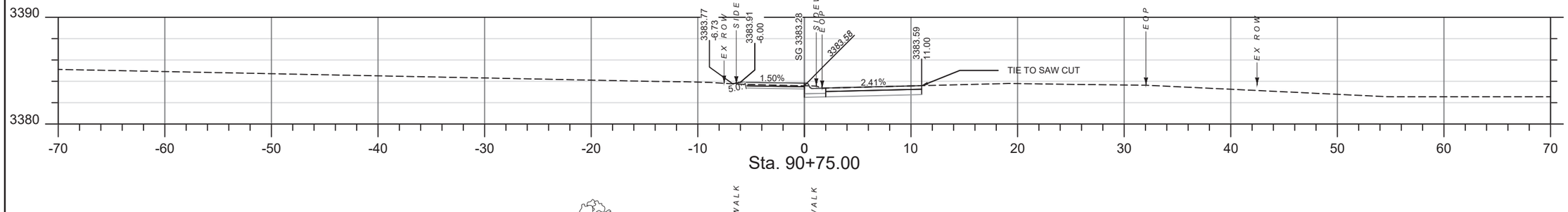
SW8 CROSS SECTIONS

8/17/2023 9:11 AM

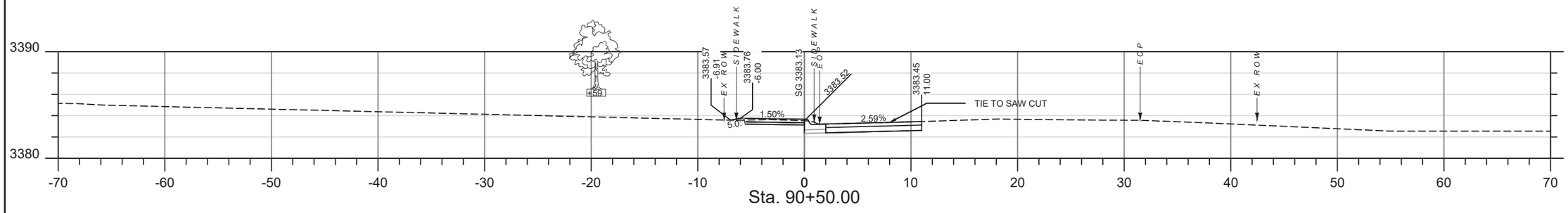
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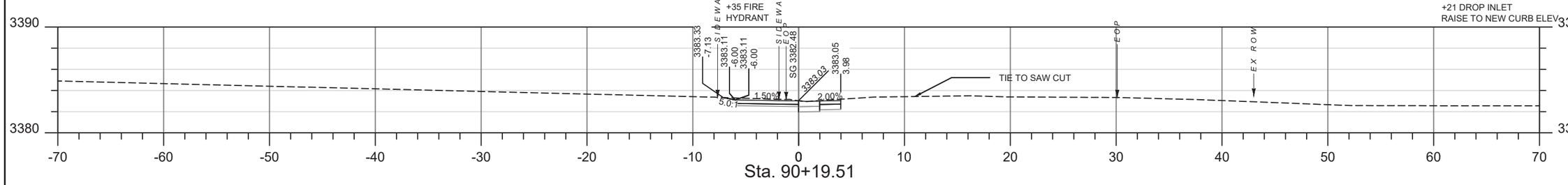
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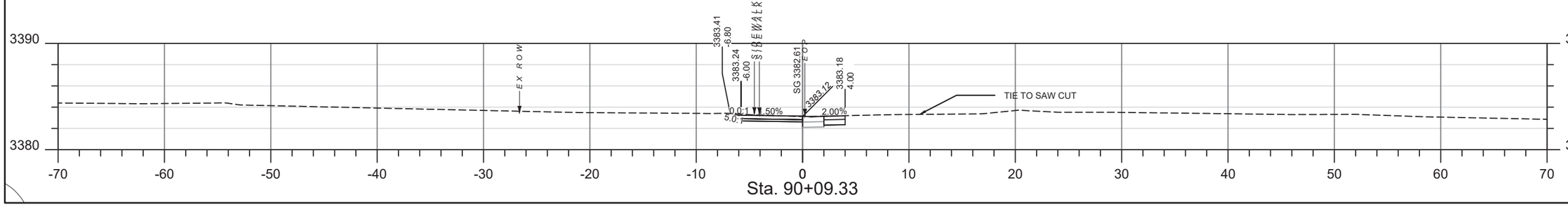
Sta. 90+75.00



Sta. 90+50.00



Sta. 90+19.51



Sta. 90+09.33

SHEET NO.
25

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY209.DWG

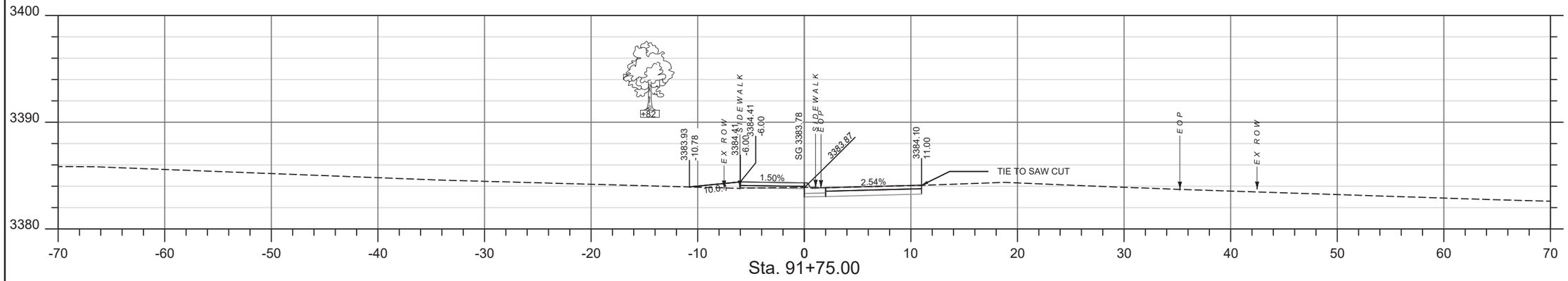
MONTANA Department of Transportation

SW9 CROSS SECTIONS

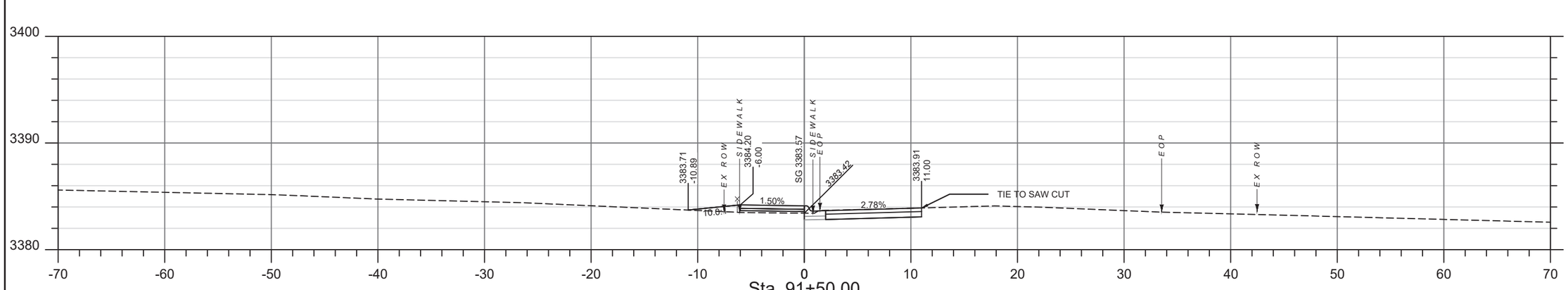
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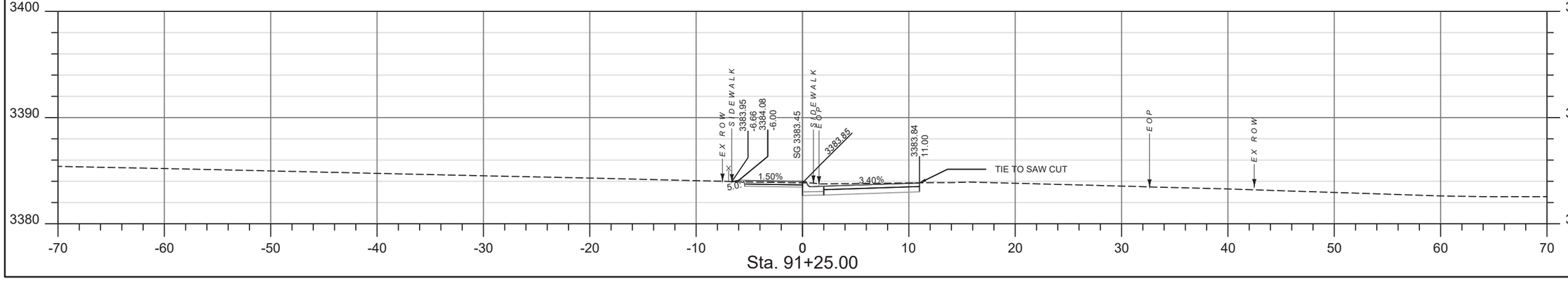
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Sta. 91+75.00



Sta. 91+50.00



Sta. 91+25.00

SHEET NO.
26

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

	DESIGNED BY	REVIEWED BY	CHECKED BY
	L. DUNLAP	J. THEYS	R. HOLM
	11-22-23	11-22-23	11-22-23

10105000RDLAY209.DWG

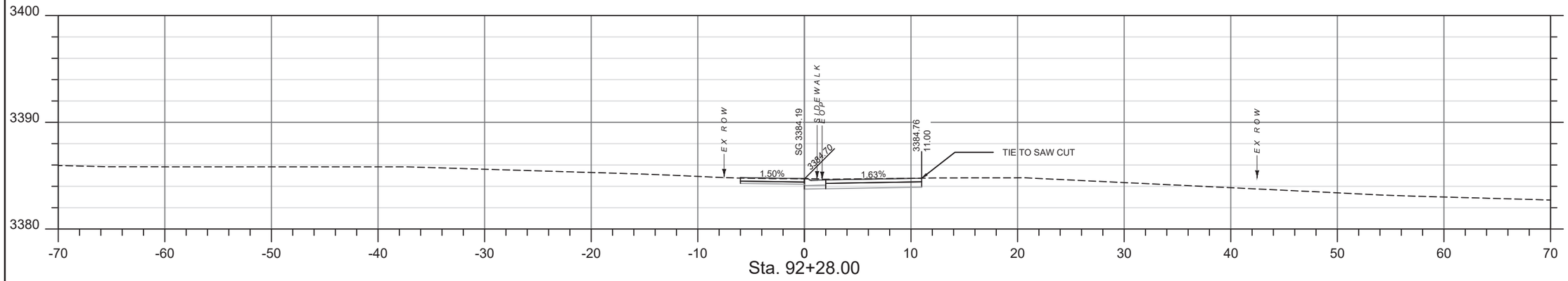
MONTANA
Department of Transportation

SW9 CROSS SECTIONS

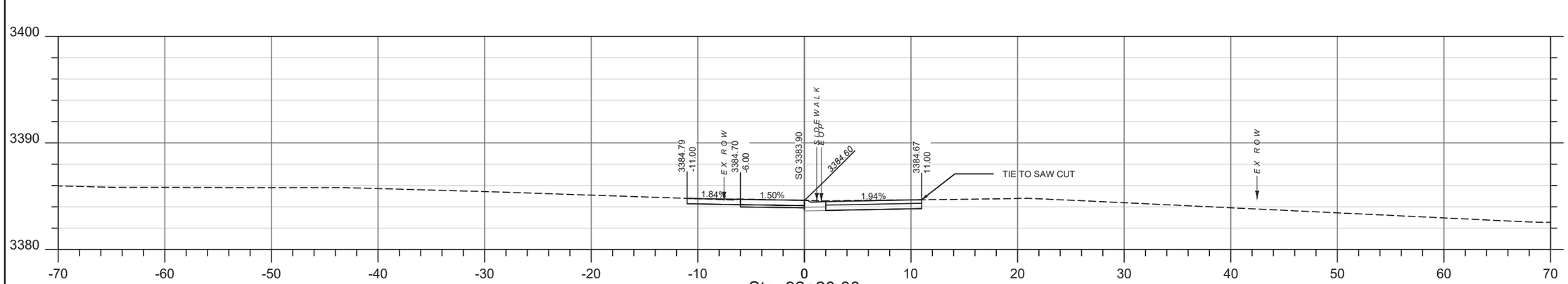
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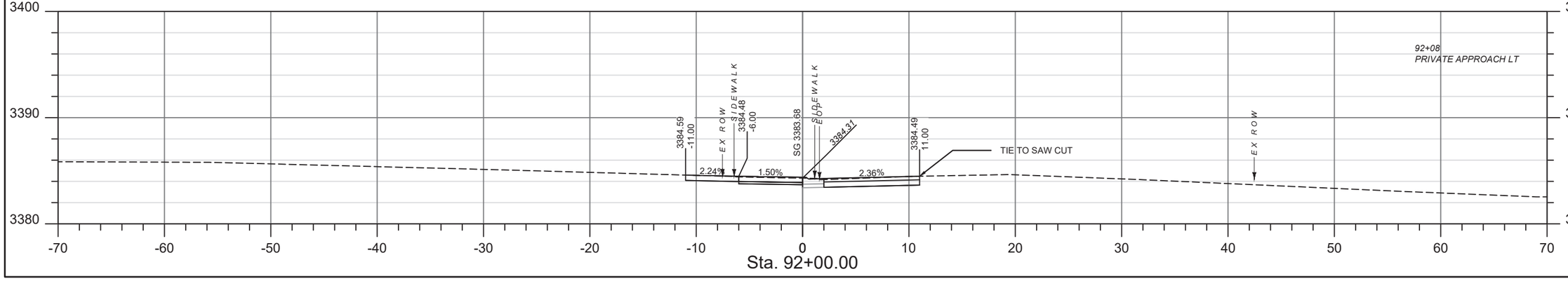
AWARD COPY



Sta. 92+28.00



Sta. 92+20.00



Sta. 92+00.00

SHEET NO.
27

SIDEWALK CROSS SECTIONS

PROJECT NAME: SIDEWALKS PHASE III - CASCADE
COUNTY: CASCADE COUNTY
PROJECT ID: TA 7(76)
UPN: 10105000

CHECKED BY	R. HOLM	11-22-23
REVIEWED BY	J. THEYS	11-22-23
DESIGNED BY	L. DUNLAP	11-22-23

10105000RDLAY209.DWG

MONTANA
Department of Transportation

SW9 CROSS SECTIONS

8/17/2023 11:05 AM