CITY OF CANNON FALLS GOODHUE COUNTY, MINNESOTA

RESOLUTION NUMBER 2593

A RESOLUTION APPROVING MUNICIPAL CONSENT PROJECT NO. SAP 025-625-008, ALONG COUNTY STATE-AID HIGHWAY NO. 25

WHEREAS, plans for Project No. SAP 025-625-008 showing proposed alignment, profiles grades and cross-sections for the construction, reconstruction or improvement of County State-Aid Highway No. 25 within the limits of the City of Cannon Falls as a State Aid Project have been prepared and presented to the City.

NOW, THEREFORE, BE IT RESOLVED: That said plans be in all things approved.

ADOPTED BY THE CITY COUNCIL OF THE CITY OF CANNON FALLS ON THIS 16th DAY OF NOVEMBER, 2021.

SIGNED:

ATTEST:

John O. Althoff, Mayor

Neil L. Jensen, City Administrator

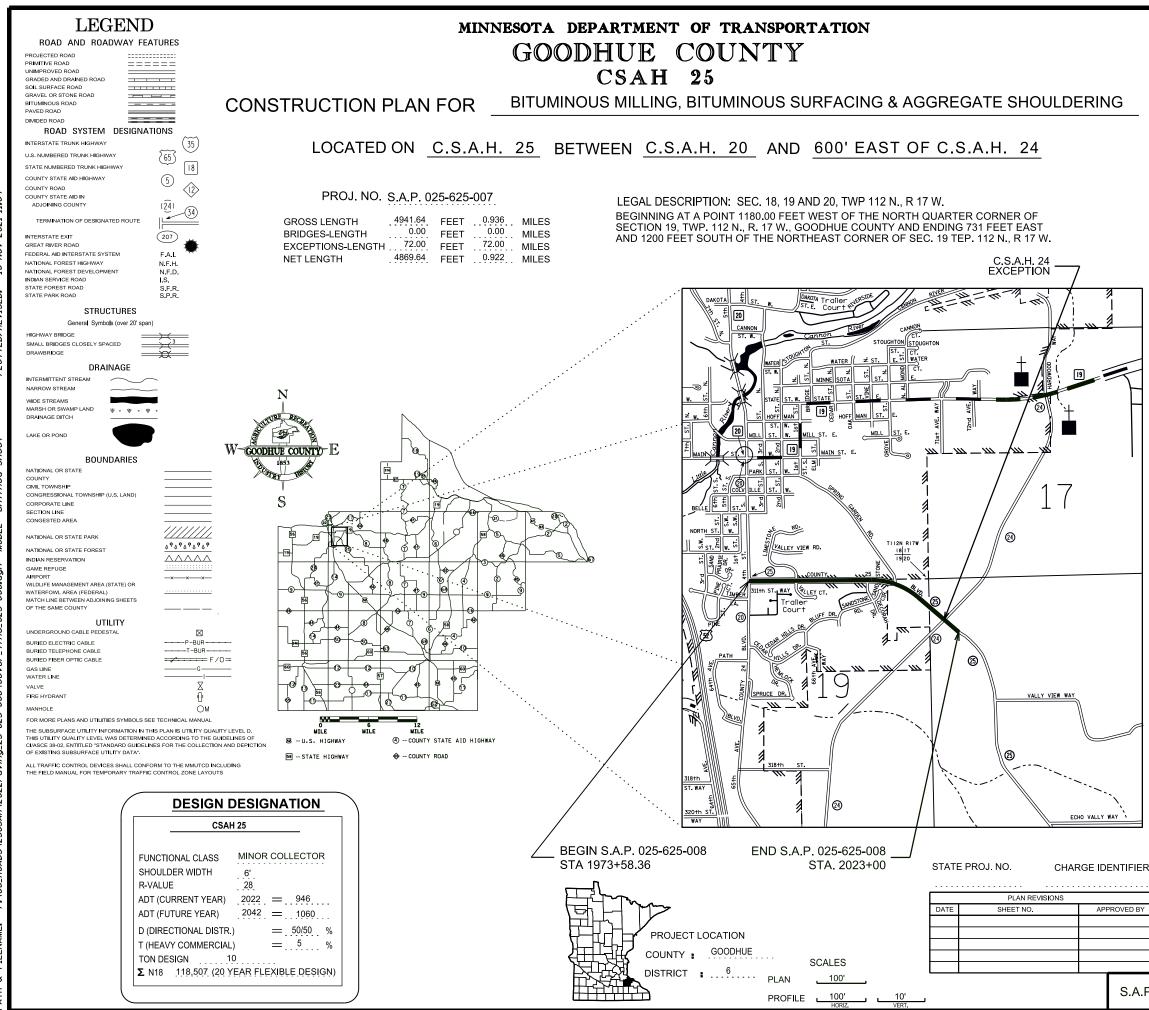
CERTIFICATION

State of Minnesota County of Goodhue

I hereby certify that the foregoing Resolution is a true and correct copy of a resolution presented to and adopted by the City Council of Cannon Falls at a meeting therefor held in the City of Cannon Falls, Minnesota, on the 16th day of November, 2021, as disclosed by the records of said City in my possession.

Neil L. Jensen, City Administrator

(Seal)



S.A.P. 02

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION"

INDEX

TITLE SHEET 1. 2. ESTIMATED QUANTITIES, STANDARD PLATES AND NOTES 3. TYPICAL SECTIONS **REMOVAL PLAN INTERSECTION CSAH 25,** 4. CSAH 20 AND CSAH 25, LIMESTONE ROAD ADA LAYOUT INTERSECTION CSAH 25, 5. CSAH 20 AND CSAH 25, LIMESTONE ROAD 6. **REMOVAL PLAN INTERSECTION CSAH 25.** DECORAH DRIVE 7. ADA LAYOUT INTERSECTION CSAH 25, **DECORAH DRIVE** 8-13. PEDESTRIAN CURB RAMP DETAILS (STANDARD PLAN SHEET) 14-17. DRIVE WAY AND SIDEWALK DETAILS (STANDARD PLAN SHEET)

THIS PLAN CONTAINS 17 SHEETS

DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PL OR UNDER MY DIRECT SUPERVISION, AND THAT I AM PROFESSIONAL ENGINEER UNDER THE LAWS OF THE	A DULY LICENSED
SIGNATURE JESS GREENWOOD - GOODHUE COUNTY DESIGN ENGI	NEER
DATE LIC. NO. 49150	
APPROVED GOODHUE COUNTY ENGINEER	DATE
DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE-AID RULES/POLICIES	DATE
STATE AID ENGINEER: APPROVED FOR STATE AID AND FEDERAL AID FUNDING	DATE
I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, II WERE MADE BY ME OR UNDER MY DIRECT SUPERVISIO DULY LICENSED PROFESSIONAL ENGINEER UNDER THE OF MINNESOTA.	N AND THAT I AM A
DATE LIC. NO	
25-625-008 (CSAH 25) SHEET NO. 1	OF 17 SHEETS

	ESTIMATED QUANTITIES								
NOTES	ITEM NO.	ITEM	UNIT	TOTAL QUANTITY					
	2021.501	MOBILIZATION	LS	1					
1, 2, 3	2104.501	REMOVE CURB AND GUTTER	LF	131					
1, 2, 3, 4	2104.503	REMOVE CONCRETE WALK	SF	1957					
1, 2, 3	2104.503	REMOVE BITUMINOUS PAVEMENT	SY	64					
5	2221.509	SHOULDER BASE AGGREGATE	TON	405					
11	2232,603	MILLED RUMBLE STRIPS - INTERMITTENT	LF	3322					
	2232.504	MILL BITUMINOUS SURFACE (2.0") (P)	SY	19662					
	2232.504	MILL BITUMINOUS SURFACE (3.0") (P)	SY	3139					
	2357.506	BITUMINOUS MATERIAL FOR TACKCOAT	GAL	1824					
6	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,B)	TON	2802					
	2360.601	BITUMINOUS PAVEMENT DENSITY INCENTIVE	EACH	10984					
	2504.603	ADJUST VALVE BOX	EACH	5					
	2506.502	ADJUST FRAME & RING CASTING	EACH	19					
7	2521.518	4" CONCRETE WALK	SF	828					
8	2521.518	6" CONCRETE WALK	SF	502					
	2531.603	CONCRETE CURB & GUTTER	LF	198					
9	2531.618	TRUNCATED DOMES	SF	96					
	2563.601	TRAFFIC CONTROL	LS	1					
	2575.602	SITE RESTORATION	EACH	7					
	2582.503	4" SOLID LINE PAINT	LF	10563					
10	2582.503	6" SOLID LINE PAINT	LF	14995					

NOTES:

- ASSOCIATED WITH DISPOSAL OF THESE ITEMS AS AN INCIDENTAL ITEM TO **REMOVAL/CONSTRUCTION OPERATIONS.**
- 3. THE CONTRACTOR SHALL PROTECT ALL RETAINING WALLS, ROCK BEDS, LANDSCAPING, ETC. DURING REMOVAL AND CONSTRUCTION OPERATIONS. IF REMOVAL IS NECESSARY BE INCIDENTAL TO CONSTRUCTION OPERATIONS.
- ASSOCIATED WITH THIS PROJECT. AREAS TO BE REPAIRED WILL BE IDENTIFIED BY THE ENGINEER IN THE FIELD.
- SHOULDERING MATERIAL. SEE SPECIAL PROVISIONS FOR DETAILS.
- MAINLINE PAVING.
- 8. SHALL BE USED FOR ALL DRIVEWAYS, PEDESTRIAN RAMPS AND PEDESTRIAN LANDINGS. INCIDENTAL TO 6" CONCRETE WALK ITEM.
- WILL BE PAID AT FULL UNIT PRICE THROUGHOUT PEDESTRIAN RAMP UNDER ITEM #2521.501 - 6" CONCRETE WALK
- 10. 4" SOLID LINE = YELLOW, 6" SOLID LINE = WHITE (SHALL BE PLACED AT 12' FROM CENTER)
- MILLED RUMBLE STRIPS. SEE DETAIL ON SHEET 4 FOR MORE INFORMATION.

STANDARD	PLATES
OLLOWING STANDARD PL	ATES, APPROVED BY

THE FC THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY

PLATE NO.	DESCRIPTION
8000J	CHANNELIZERS
9000E	APPROACHES AND ENTRANCES - MINIMUM STANDARDS
4101D	RING CASTING FOR MANHOLE OR CATCH BASIN
7020K	CONCRETE CURB (DESIGN B, V, S, DR & BR)
7038A	DETECTABLE WARNING SURFACE TRUNCATED DOMES

BASIS FOR **ESTIMATED QUANTITIES:**

WEARING COURSE MIXTURE 115 LB / SQ.YD. / IN BITUMINOUS MATERIAL FOR TACK COAT .08 GAL / SQ. YD.

UTILITY INFORMATION

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2. ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

I HEREBY CERTIFY THAT THIS PLAN SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT GOODHUE COUNTY AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. DEPARTMENT OF PUBLIC WORKS 49150 DATE LIC. NO. ENGINEER

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL REMOVAL ITEMS INCLUDING SUBGRADE PREPARATION AND CONTAMINATED MATERIALS AND SHALL PAY ALL LANDFILL COSTS

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAW CUTS ASSOCIATED WITH REMOVAL OF THESE ITEMS AS AN INCIDENTAL ITEM TO REMOVAL/CONSTRUCTION OPERATIONS.SHALL BE INCIDENTAL.

TO FACILITATE CONSTRUCTION. THE SALVAGE AND REPLACEMENT OF THESE ITEMS SHALL

4. THIS QUANTITY INCLUDES 344 SF CONCRET WALK REMOVAL TO REPAIR AREAS OF SIDEWALK

5. THIS QUANTITY INCLUDES 75 TONS TO BE PLACED IN APPROACHES IN CONJUNCTION WITH MAINLINE PAVING OR AT THE DESCRETION OF THE ENGEENRE IN THE FIELD. THE SPECIAL PROVISIONS AFFORD THE CONTRACTOR THE OPTION OF PROVIDING EITHER CLASS 1 OR CLASS 5 AGGREGATE

6. THIS QUANTITY INCLUDES 200 TONS TO BE PLACED IN APPROACHES IN CONJUNCTION WITH

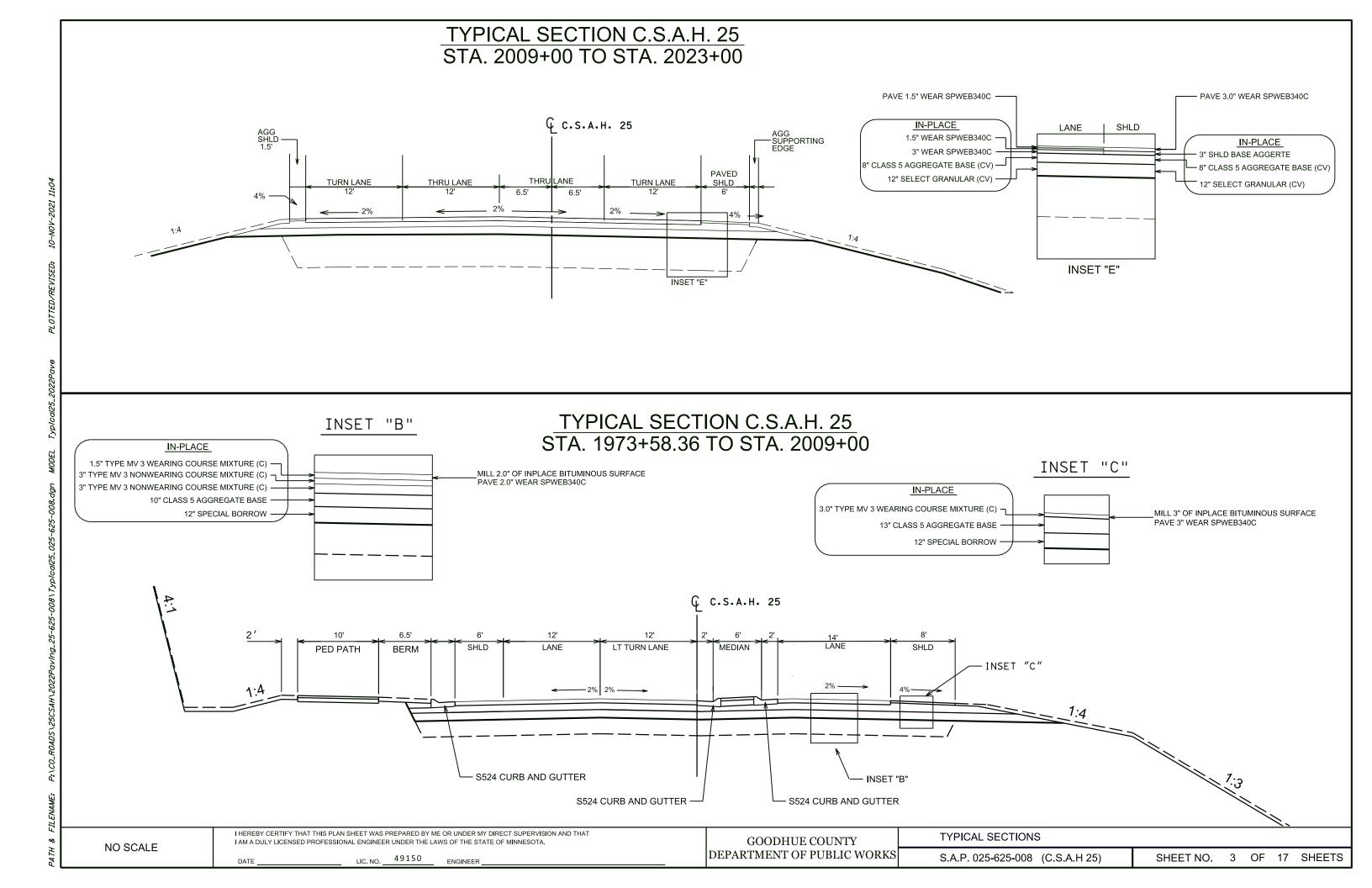
7. THIS QUANTITY INCLUDES 288 SF 4" CONCRET WALK TO REPAIR AREAS OF SIDEWALK ASSOCIATED WITH THIS PROJECT. AREAS TO BE REPAIRED WILL BE IDENTIFIED BY THE ENGINEER IN THE FIELD. AGGREGATE BASE UNDER 4" CONCRETE WALK SHALL BE INCIDENTAL TO 4" CONCRETE WALK ITEM.

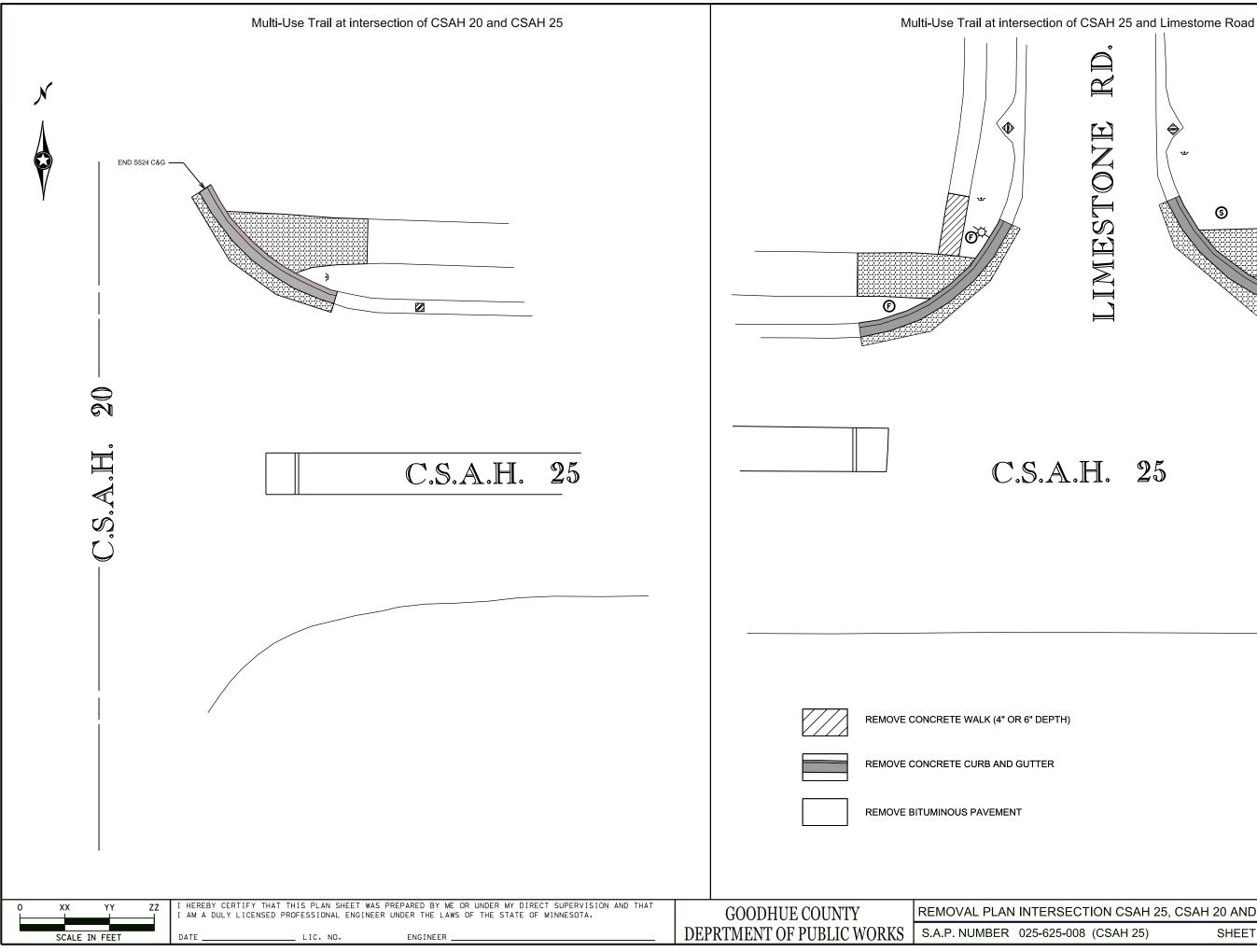
THIS QUANTITY INCLUDES 56 SF 6" CONCRET WALK TO REPAIR AREAS OF SIDEWALK ASSOCIATED WITH THIS PROJECT. AREAS TO BE REPAIRED WILL BE IDENTIFIED BY THE ENGINEER IN THE FIELD. #4-GRADE 60 EPOXY COATED REBAR, EXPANSION JOINT MATERIALS REQUIRED BY THE STANDARD PLANS INCLUDED IN THIS PLAN OR BY THE ENGINEER IN THE FIELD SHALL BE INCIDENTAL TO PEDESTRIAN RAMP CONSTRUCTION. AGGREGATE BASE UNDER 6" CONCRETE WALK SHALL BE

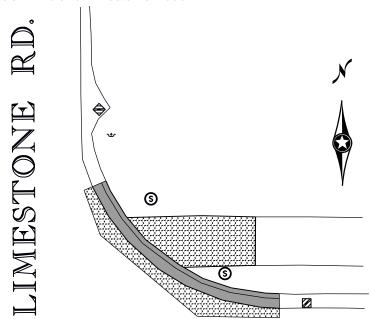
9. TRUNCATED DOMES SHALL BE PAID BY THE SQ. FT. UNDER THIS ITEM, AS CONSTRUCTED IN ACCORDANCE WITH THE DETAILS AND AS DIRECTED BY THE ENGINEER. 6" CONCRETE WALK

11. TO BE PLACED BEWEEN STATION 2+00 TO 18+61 (RURAL SECTION). INCLUDES FOG SEALING ON

ESTIMATED QUANTITIES, STANDARD PLATES, AND NOTES S.A.P. NUMBER 025-625-008 (C.S.A.H. 25) SHEET NO. 2 OF 17 SHEETS

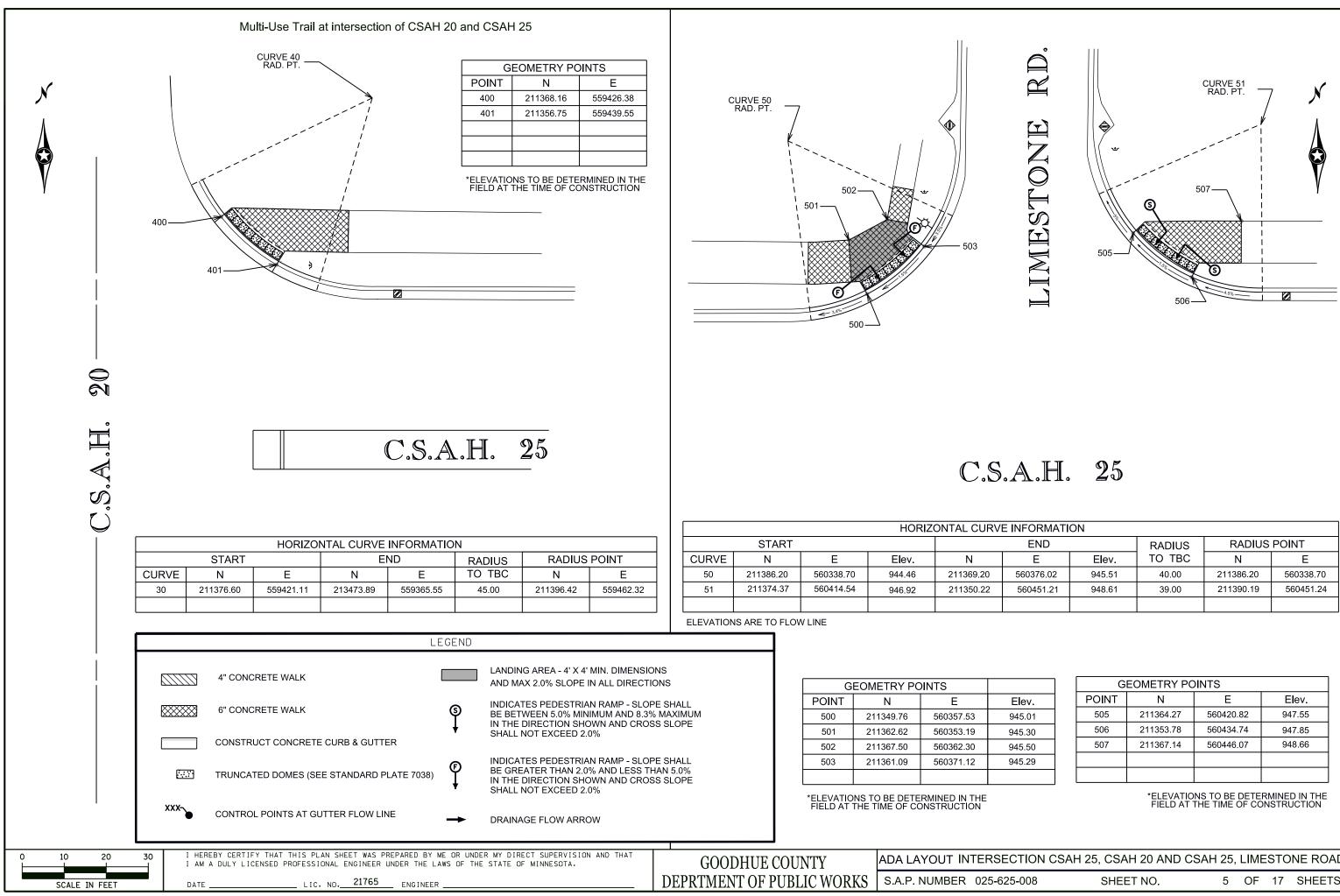








REMOVAL PLAN INTERSECTION CSAH 25, CSAH 20 AND CSAH 25, LIMESTONE ROAD SHEET NO. 4 OF 17 SHEETS

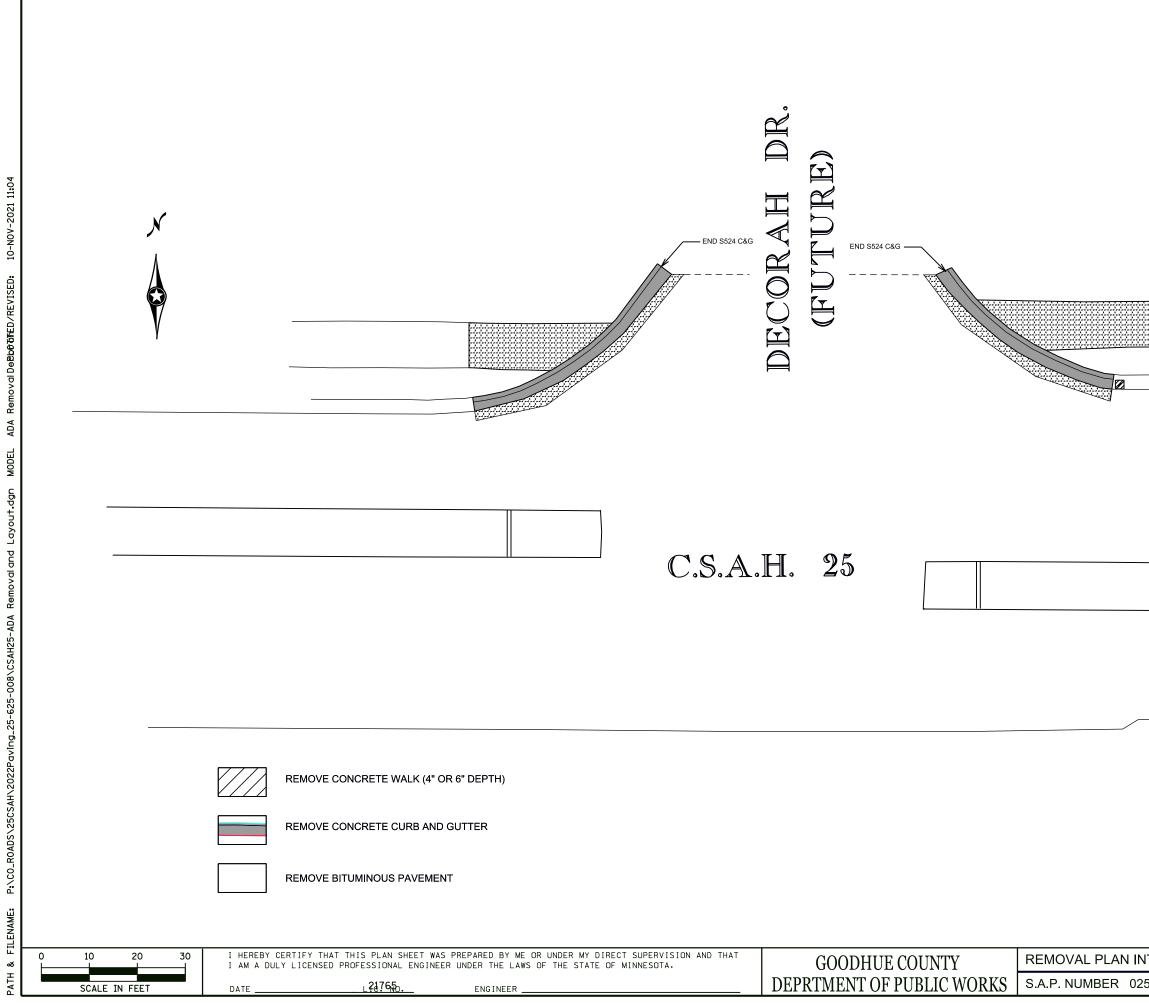


	END		RADIUS	RADIUS	POINT
	E	Elev.	то твс	N	Е
)	560376.02	945.51	40.00	211386.20	560338.70
2	560451.21	948.61	39.00	211390.19	560451.24

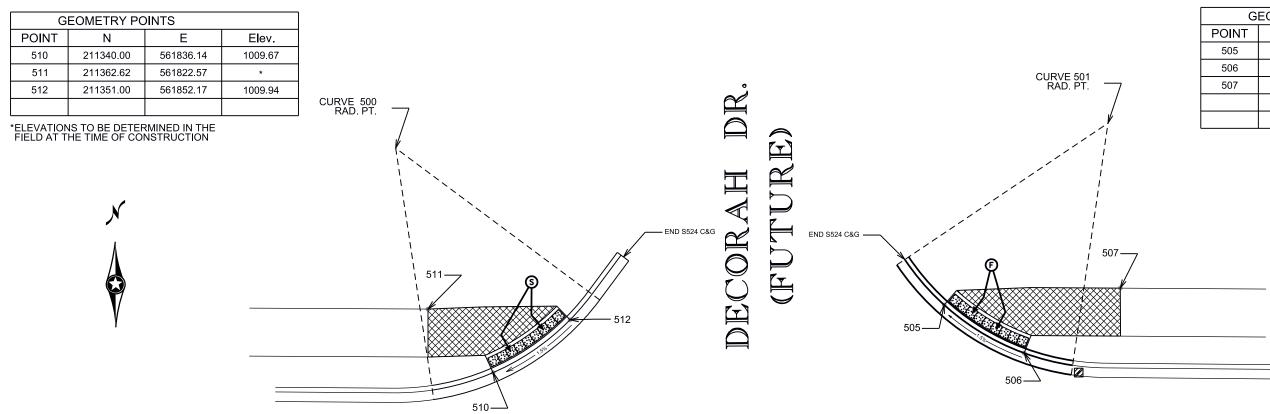
Elev.
945.01
945.30
945.50
945.29

G	GEOMETRY POINTS									
POINT	POINT N E									
505	211364.27	560420.82	947.55							
506	211353.78	560434.74	947.85							
507	211367.14	560446.07	948.66							

RSECTION CSA	H 25, CSAH 20 AND CS				
5-625-008	SHEET NO.	5	OF	17	SHEETS



ITERSECTION CSAH 25,	DECORAH DRIV	Έ			
5-620-001 (CSAH 25)	SHEET NO.	6	OF	17	SHEETS

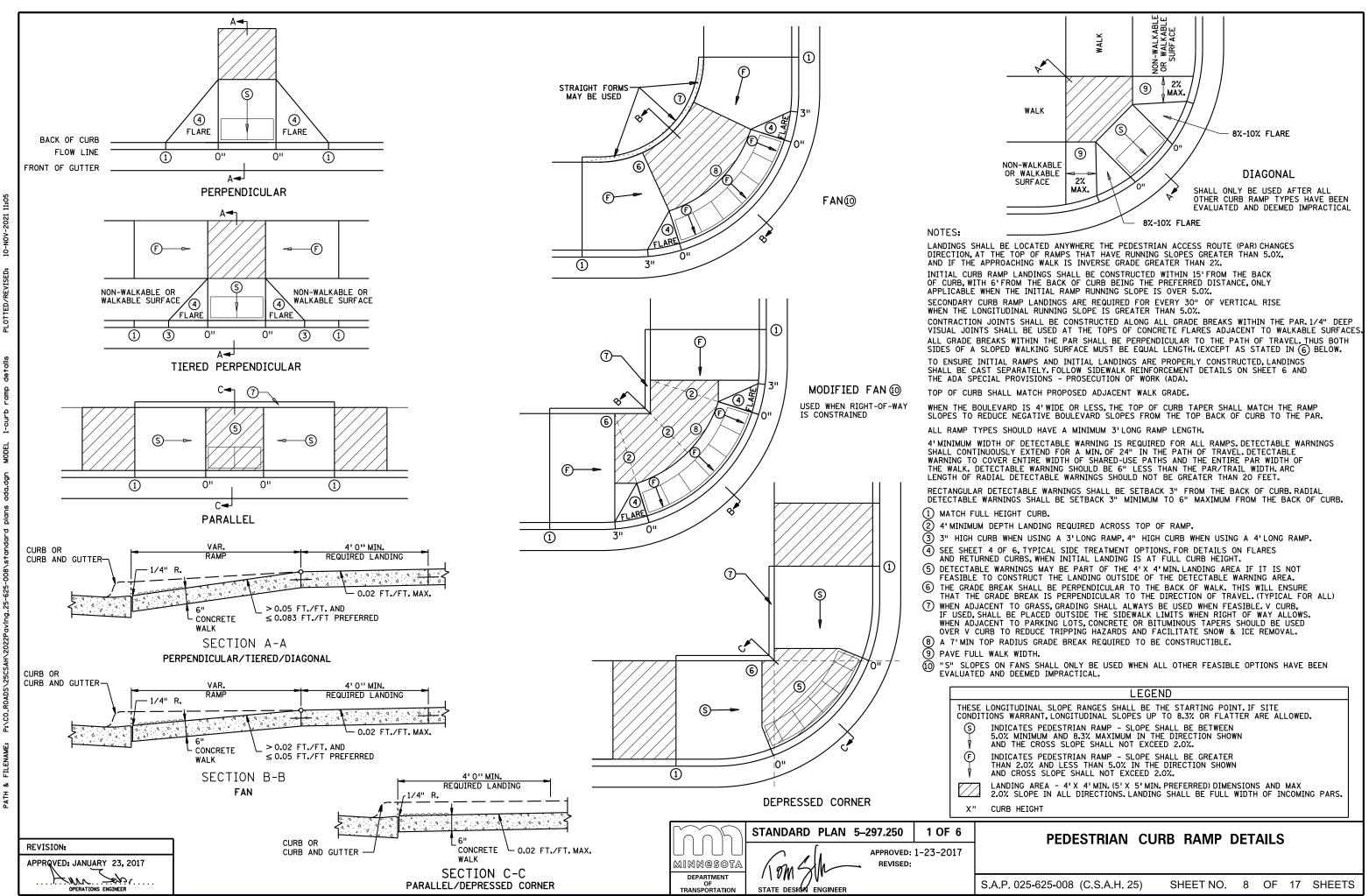


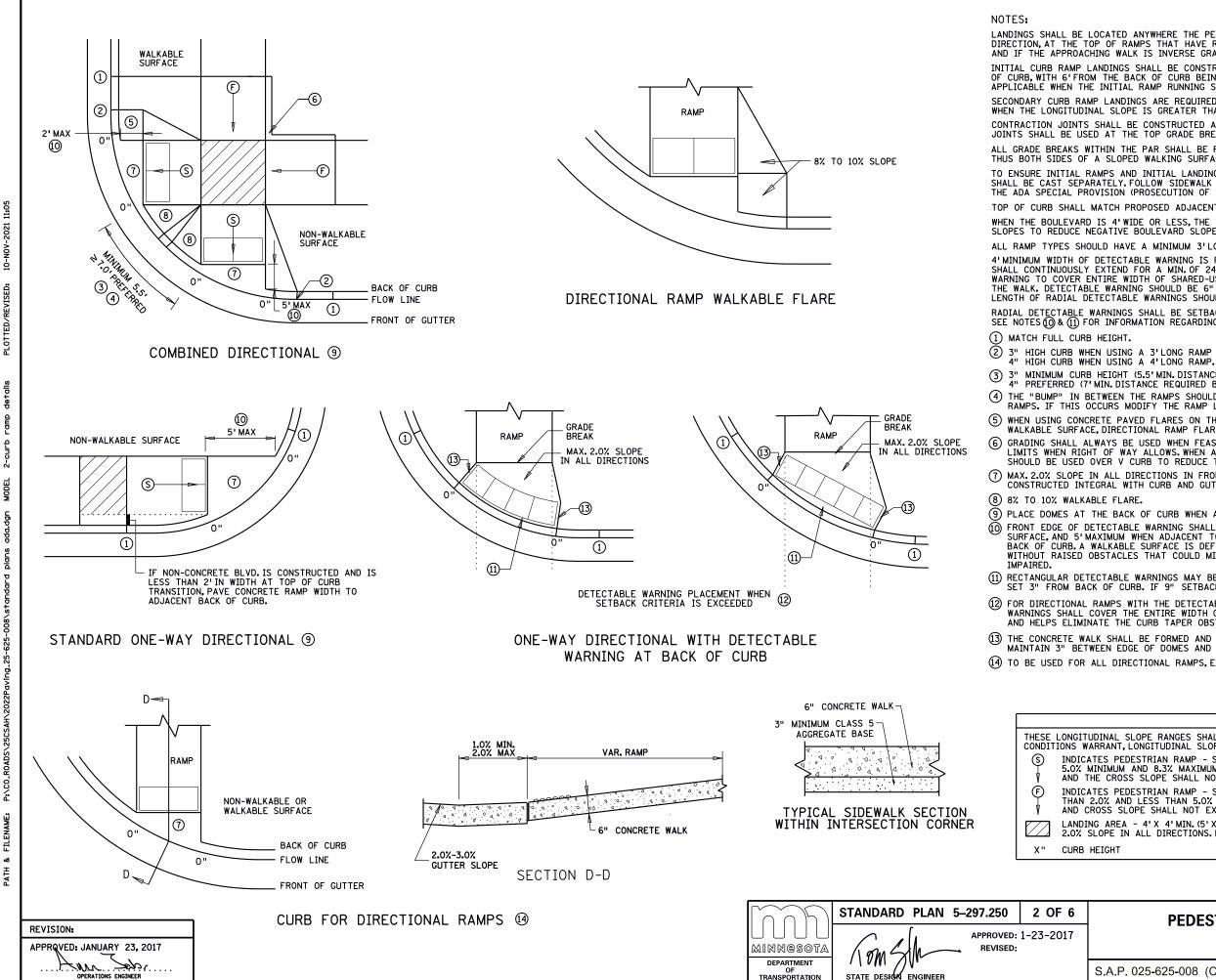
C.S.A.H. 25

			HORIZ]			LEGEND	
	START				END		RADIUS	RADIUS	POINT					LANDING AREA - 4' X 4' MIN. DIMENSIONS
URVE	N	E	Elev.	N	E	Elev.	то твс	N	E		4" CONCRETE WALK			AND MAX 2.0% SLOPE IN ALL DIRECTIONS
500	211336.36	561823.48	*	_211355.54_	- 561856.15-	1009.98	50.00	211386.78	561815.84					
501	211363.56	561921.94	1011.84	211341.52	561956.91	*	50.00	211391.98	561964.29		6" CONCRETE WALK		Ş	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM
													↓ I	IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
_EVATION	S ARE TO FLOV	VIINE												SHALL NOT EAGEED 2.0%
		. ==									CONSTRUCT CONCRE	ETE CURB & GUTTER		
												ETE CURB & GUTTER (SEE STANDARD PLATE 703	38) F	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
										xxx		(SEE STANDARD PLATE 703	³⁸⁾ €	BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE
10	20	30 I HERE		IAT THIS PLAN SHI D PROFESSIONAL					THAT		TRUNCATED DOMES	(SEE STANDARD PLATE 703	→ →	BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

GEOMETRY POINTS									
POINT	POINT N E								
505	211354.10	561930.14	1012.10						
506	211344.07	561946.80	1012.40						
507	211357.60	561966.84	*						

*ELEVATIONS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION





S.A.P. 025-625-008 (C.S.A.H. 25)

LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE (PAR) CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE. INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15'FROM THE BACK OF CURB, WITH 6' FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE, ONLY APPLICABLE WHEN THE INITIAL RAMP RUNNING SLOPE IS OVER 5.0%. SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE WHEN THE LONGITUDINAL SLOPE IS GREATER THAN 5.0%. CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR. 1/4" DEEP VISUAL JOINTS SHALL BE USED AT THE TOP GRADE BREAK OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES. ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. THUS BOTH SIDES OF A SLOPED WALKING SURFACE MUST BE EQUAL LENGTH. TO ENSURE INITIAL RAMPS AND INITIAL LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS SHALL BE CAST SEPARATELY.FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 6 AND THE ADA SPECIAL PROVISION (PROSECUTION OF WORK). TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE. WHEN THE BOULEVARD IS 4'WIDE OR LESS, THE TOP OF CURB TAPER SHALL MATCH THE RAMP SLOPES TO REDUCE NEGATIVE BOULEVARD SLOPES FROM THE TOP BACK OF CURB TO THE PAR. ALL RAMP TYPES SHOULD HAVE A MINIMUM 3'LONG RAMP LENGTH. 4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS WARNING TO COVER ENTIRE WIDTH OF A MIN OF 24" IN THE PATH OF TRAVEL DETECTABLE WARNING TO COVER ENTIRE WIDTH OF SHARED-USE PATH AND THE ENTIRE PAR WIDTH OF THE WALK. DETECTABLE WARNING SHOULD BE 6" LESS THAN THE PAR/PATH WIDTH. ARC LENGTH OF RADIAL DETECTABLE WARNINGS SHOULD NOT BE GREATER THAN 20 FEET. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB. SEE NOTES 0 (1) FOR INFORMATION REGARDING RECTANGULAR DETECTABLE WARNING PLACEMENT. (3) 3" MINIMUM CURB HEIGHT (5.5' MIN. DISTANCE REQUIRED BETWEEN DOMES) 4" PREFERRED (7' MIN. DISTANCE REQUIRED BETWEEN DOMES). (4) THE "BUMP" IN BETWEEN THE RAMPS SHOULD NOT BE IN THE PATH OF TRAVEL FOR COMBINED DIRECTIONAL RAMPS. IF THIS OCCURS MODIFY THE RAMP LOCATION OR SWITCH RAMP TO A FAN/DEPRESSED CORNER. (5) WHEN USING CONCRETE PAVED FLARES ON THE OUTSIDE OF DIRECTIONAL RAMPS, AND ADJACENT TO A WALKABLE SURFACE, DIRECTIONAL RAMP FLARES SHOULD BE USED. SEE THE DETAIL ON THIS SHEET. (6) GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. WHEN ADJACENT TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS SHOULD BE USED OVER V CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE SNOW & ICE REMOVAL. (7) MAX. 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK AND DRAIN TO FLOW LINE. SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER. (9) PLACE DOMES AT THE BACK OF CURB WHEN ALLOWABLE SETBACK CRITERIA IS EXCEEDED.

FRONT EDGE OF DETECTABLE WARNING SHALL BE SET BACK 2' MAXIMUM WHEN ADJACENT TO WALKABLE SURFACE, AND 5' MAXIMUM WHEN ADJACENT TO NON-WALKABLE SURFACE WITH ONE CORNER SET 3" FROM BACK OF CURB. A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP WITHOUT RAISED OBSTACLES THAT COULD MISTAKENLY BE TRAVERSED BY A USER WHO IS VISUALLY

(1) RECTANGULAR DETECTABLE WARNINGS MAY BE SETBACK UP TO 9" FROM THE BACK OF CURB WITH CORNERS SET 3" FROM BACK OF CURB. IF 9" SETBACK IS EXCEEDED USE RADIAL DETECTABLE WARNINGS.

(2) FOR DIRECTIONAL RAMPS WITH THE DETECTABLE WARNINGS PLACED AT THE BACK OF CURB, THE DETECTABLE WARNINGS SHALL COVER THE ENTIRE WIDTH OF THE WALK/PATH. THIS ENSURES A DETECTABLE EDGE AND HELPS ELIMINATE THE CURB TAPER OBSTRUCTING THE PATH OF PEDESTRIAN TRAVEL.

(3) THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE BACK OF CURB. MAINTAIN 3" BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.

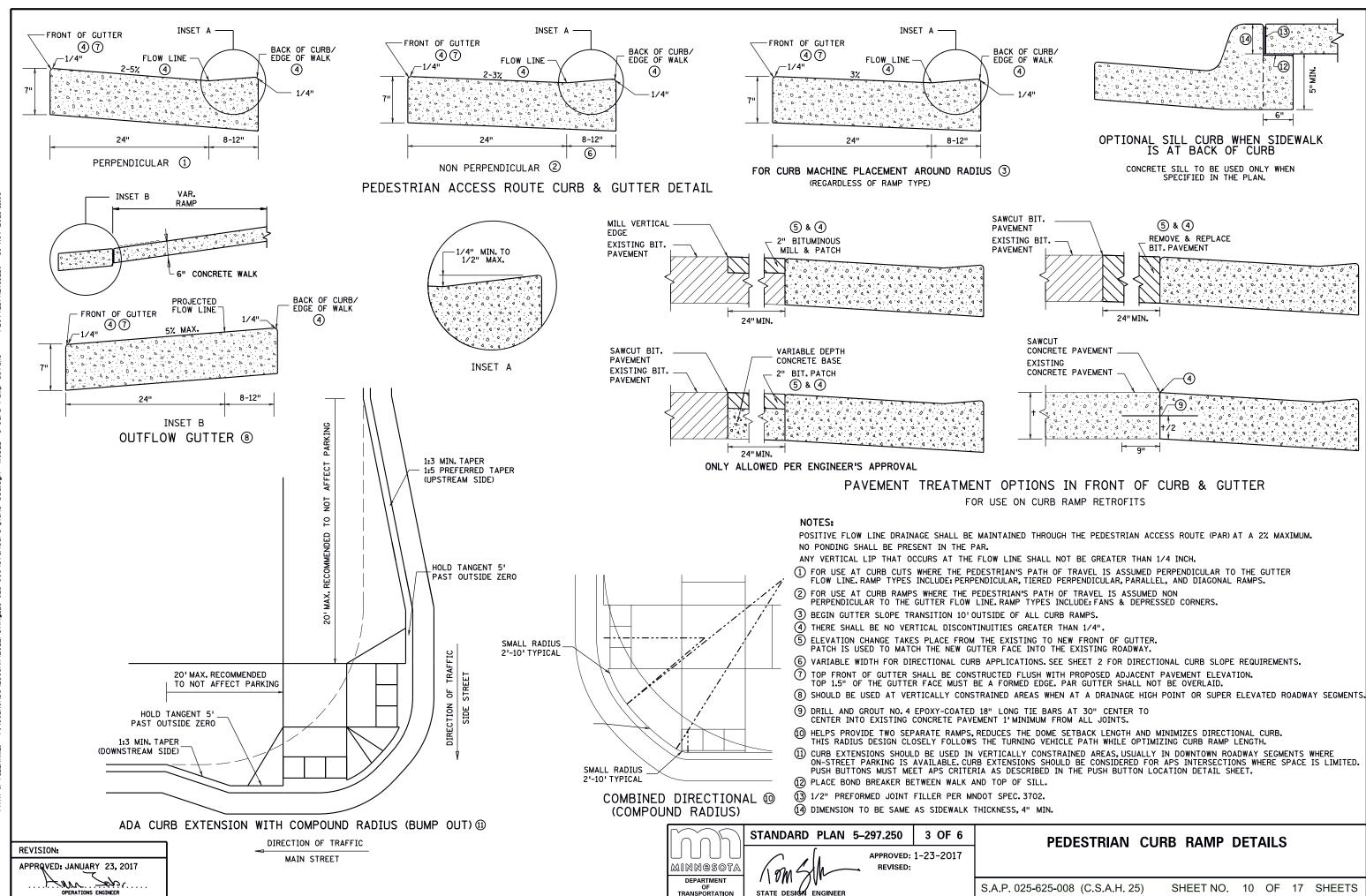
(1) TO BE USED FOR ALL DIRECTIONAL RAMPS, EXCEPT WHERE DOMES ARE PLACED ALONG THE BACK OF CURB.

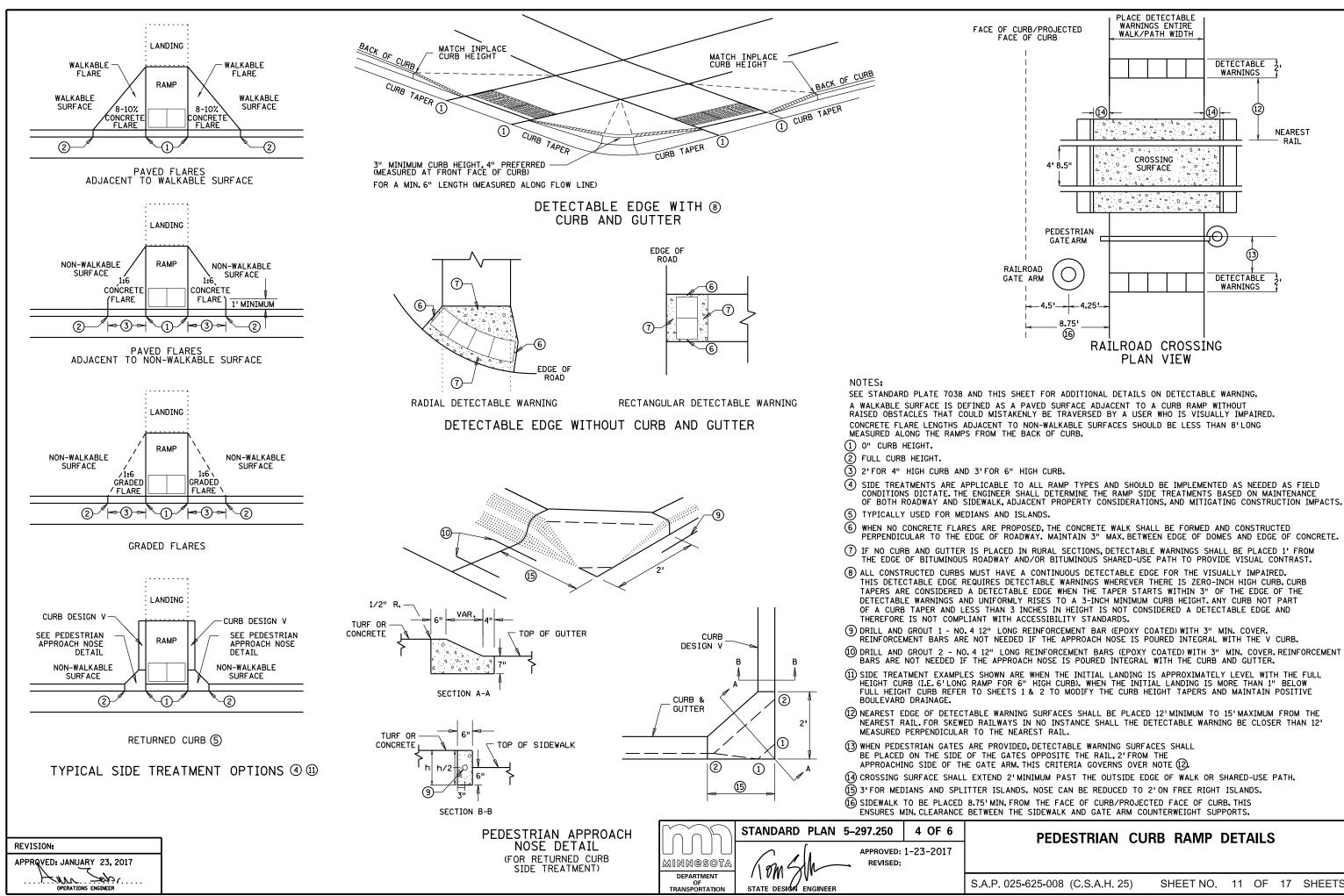
LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED. INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%. INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%. LANDING AREA - 4'X 4'MIN. (5'X 5'MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

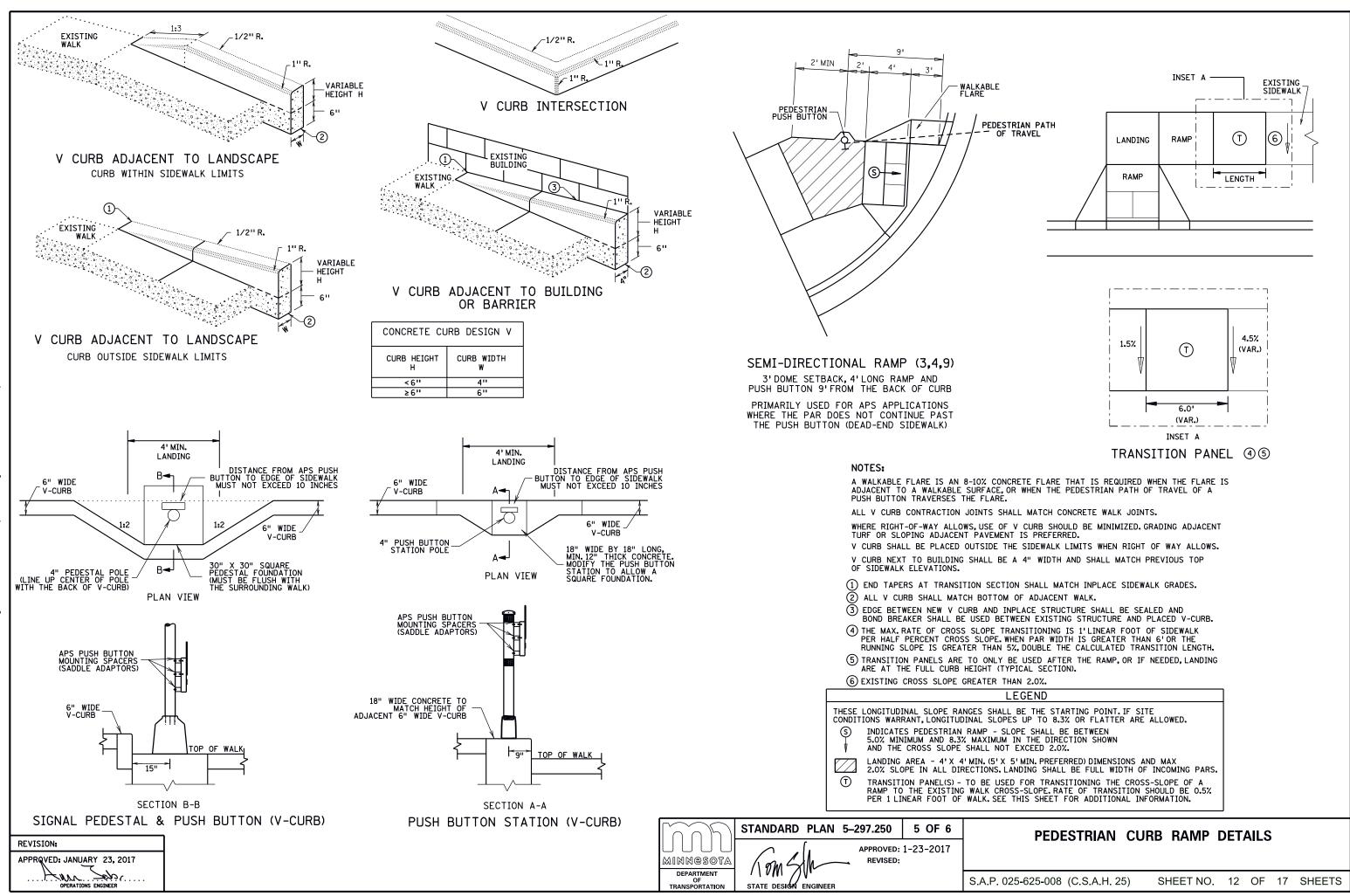
PEDESTRIAN CURB RAMP DETAILS

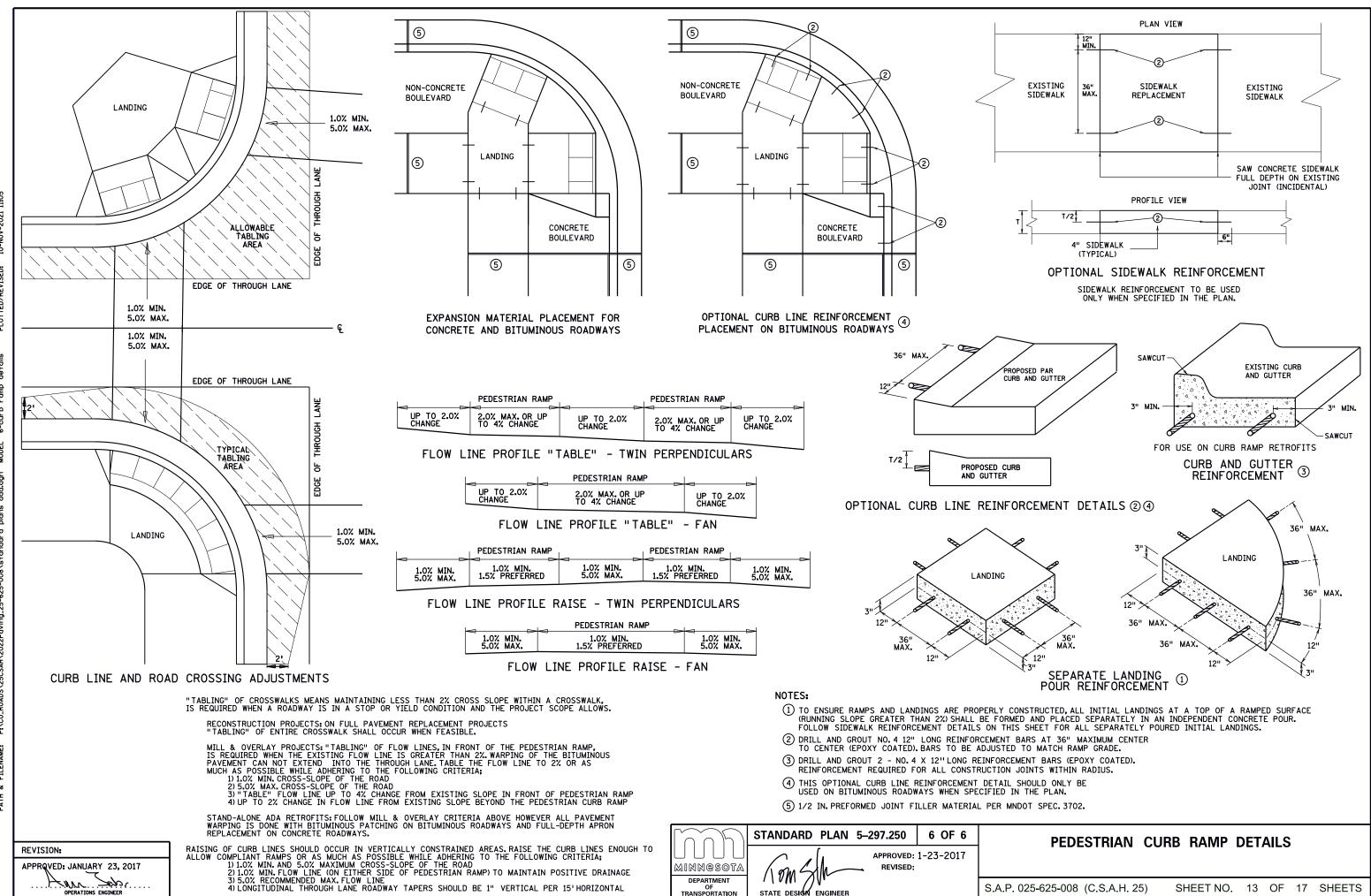
SHEET NO. 9 OF 17 SHEETS



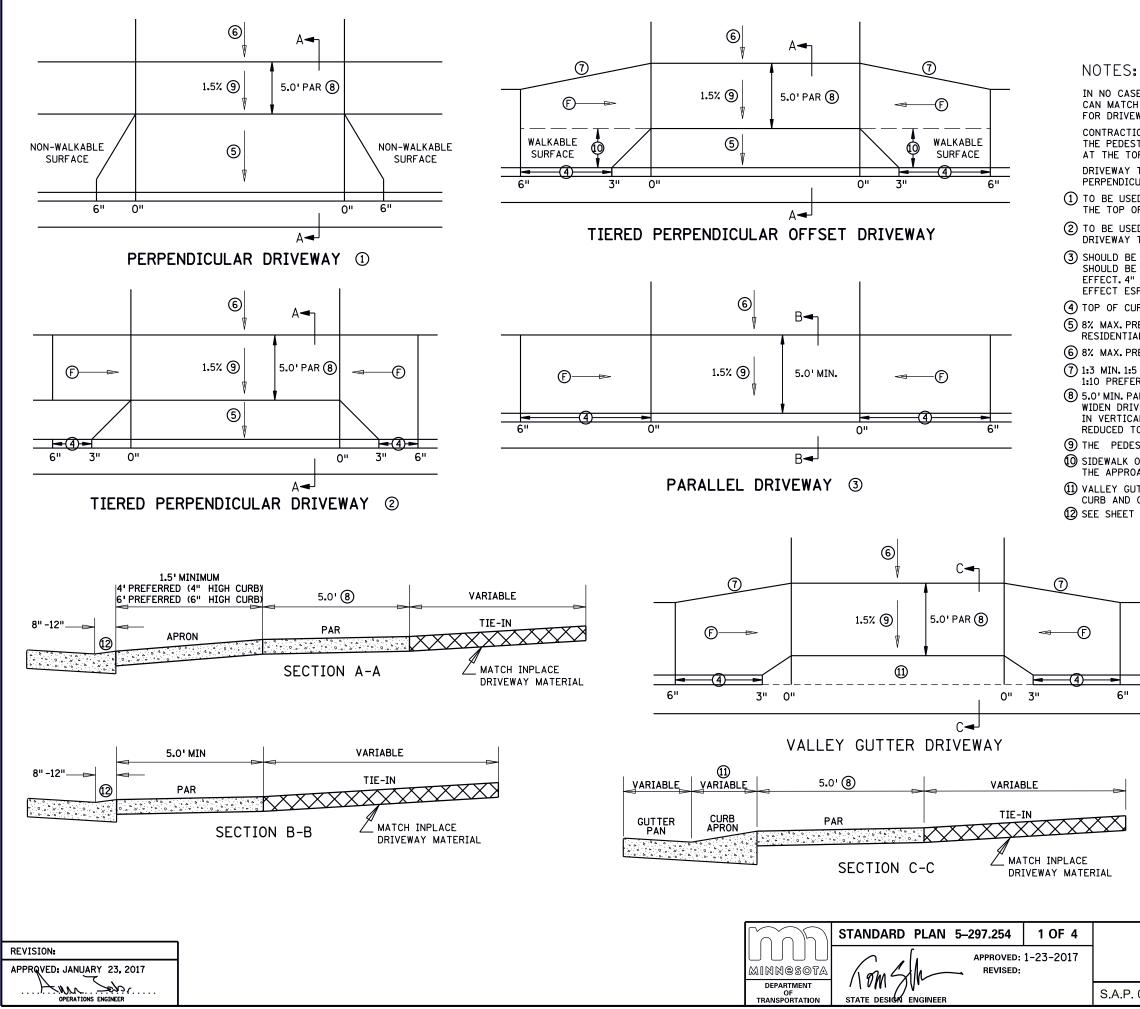


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11:05 2021 ģ PL01 PATH



- IN NO CASE SHALL SIDEWALK PROFILES EXCEED 5.0%, EXCEPT SIDEWALK PROFILES CAN MATCH ROADWAY GRADE IF ROADWAY GRADE IS GREATER THAN 5.0%. RAMPS FOR DRIVEWAYS ARE REQUIRED TO FOLLOW THE ABOVE SIDEWALK CRITERIA.
- CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PEDESTRIAN ACCESS ROUTE (PAR). 1/4" DEEP VISUAL JOINTS SHALL BE USED AT THE TOPS OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES.
- DRIVEWAY TYPES FROM MOST PREFERRED TO LEAST PREFERRED ARE AS FOLLOWS: PERPENDICULAR, TIERED PERPENDICULAR, TIERED PERPENDICULAR OFFSET & PARALLEL. (1) TO BE USED WHEN THE DRIVEWAY PAR IS LEVEL WITH OR ABOVE THE TOP OF CURB, RESULTING IN A CONTINUOUS PAR PROFILE.
- (2) TO BE USED WHEN THE DRIVEWAY PAR IS BELOW THE ROADWAY CURB HEIGHT. THIS DRIVEWAY TYPE CAN BE USED FOR BOTH PAVED (AS SHOWN) AND GRASS BOULEVARDS.
- (3) SHOULD BE USED FOR NEGATIVE SLOPED DRIVEWAYS. DW CURB TYPE 2 CURB SHOULD BE USED TO RAISE PAR ABOVE GUTTER AND REDUCE "ROLLER COASTER" EFFECT. 4" HIGH ROADWAY CURB SHOULD BE USED TO REDUCE "ROLLER COASTER" EFFECT ESPECIALLY WHEN MULTIPLE DRIVEWAYS ARE PRESENT.
- (4) TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.
- (5) 8% MAX. PREFERRED, 10% MAX. FOR COMMERCIAL AND 12% MAX. FOR RESIDENTIAL. SEE GENERAL NOTES ON SHEET 2 FOR MORE INFORMATION.
- (6) 8% MAX. PREFERRED, SEE SHEET 2 FOR MORE INFORMATION.
- (7) 1:3 MIN. 1:5 PREFERRED FOR DRIVEWAY RETROFIT PROJECTS.
- 1:10 PREFERRED FOR SIDEWALK REPLACEMENT PROJECTS. (8) 5.0' MIN. PAR WIDTH IS THE STANDARD THROUGH DRIVEWAYS. IF FEASIBLE
 - WIDEN DRIVEWAY PAR WIDTH TO MATCH APPROACHING SIDEWALK PAR WIDTHS. IN VERTICALLY CONSTRAINED AREAS PAR WIDTHS CAN INCREMENTALLY BE
 - REDUCED TO 4.5' OR 4'MIN AFTER ALL OTHER OPTIONS HAVE BEEN APPLIED.
- (9) THE PEDESTRIAN ACCESS ROUTE, MAY NOT EXCEED 0.02 FT./FT. AS CONSTRUCTED. O SIDEWALK OFFSET TO BE LESS THAN OR EQUAL TO HALF
 - THE APPROACHING SIDEWALK WIDTH.
- (1) VALLEY GUTTER APRON TO BE POURED INTEGRAL WITH THE CURB AND GUTTER. SEE SHEET 2 FOR MORE INFORMATION. (2) SEE SHEET 2 FOR CURB TYPE INFORMATION.

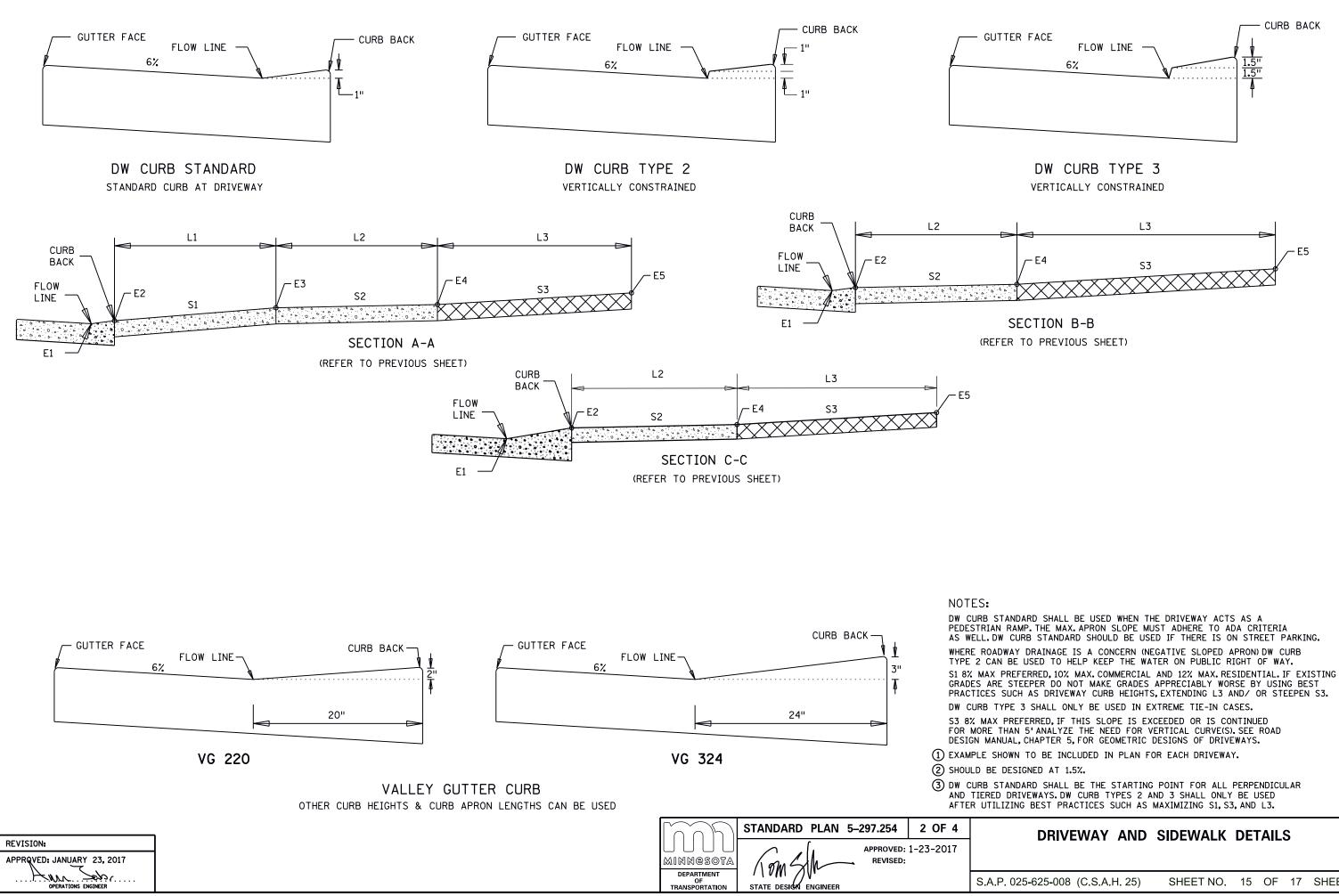
LEGEND

Ð INDICATES DRIVEWAY RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

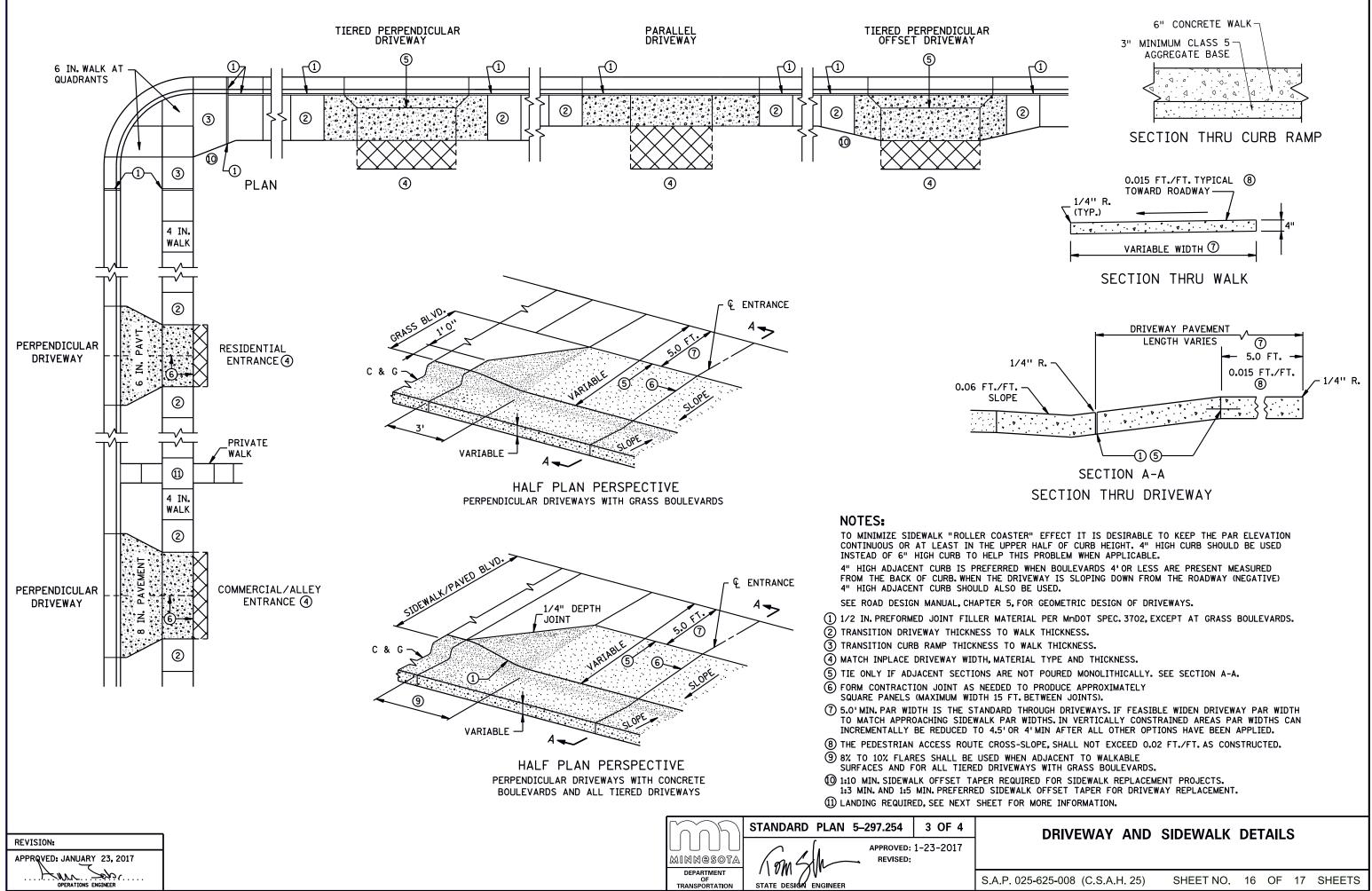
CURB HEIGHT (INCHES) X"

DRIVEWAY AND SIDEWALK DETAILS

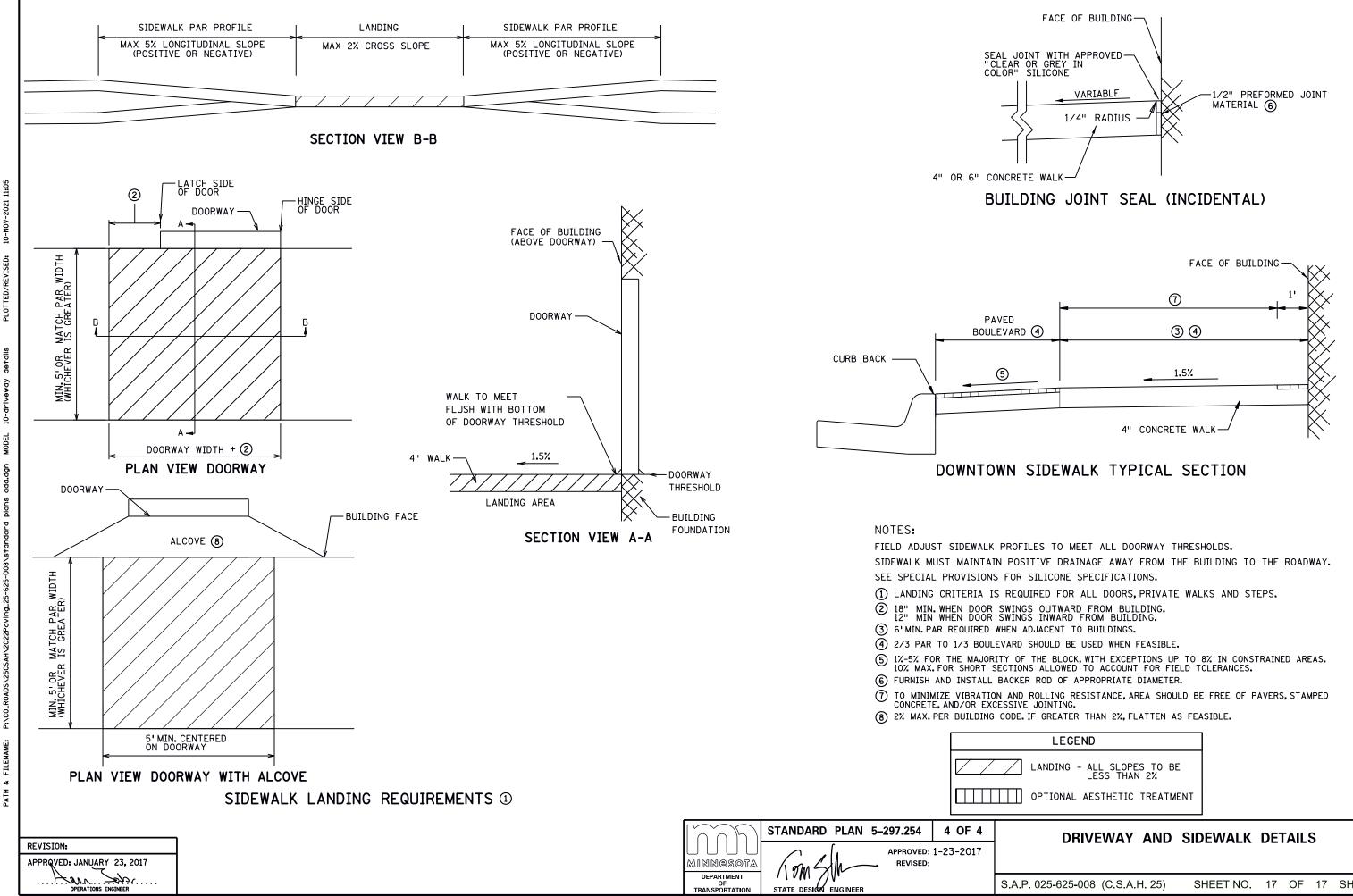
S.A.P. 025-625-008 (C.S.A.H. 25) SHEET NO. 14 OF 17 SHEETS



11:05



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PLOTTED/ ŧ 10-dr1vev MODEL P:\CO. **FILENAME:**

LES TO MEET ALL DOORWAY THRES	HOLDS.
ITIVE DRAINAGE AWAY FROM THE BU	JILDING TO THE ROADWAY.
SILICONE SPECIFICATIONS.	
JIRED FOR ALL DOORS, PRIVATE WAL	KS AND STEPS.
S OUTWARD FROM BUILDING. S INWARD FROM BUILDING. DJACENT TO BUILDINGS.	
SHOULD BE USED WHEN FEASIBLE.	
THE BLOCK, WITH EXCEPTIONS UP TO 8% IN CONSTRAINED AREAS. IS ALLOWED TO ACCOUNT FOR FIELD TOLERANCES. R ROD OF APPROPRIATE DIAMETER.	
ROLLING RESISTANCE, AREA SHOULD BE FREE OF PAVERS, STAMPED JOINTING. IF GREATER THAN 2%, FLATTEN AS FEASIBLE.	
LEGEND	
LANDING - ALL SLOPES TO BE LESS THAN 2%	
OPTIONAL AESTHETIC TREATMENT	