



Delivery of ADA Program

Survey and ROW Joint Advisory Meeting

January 25, 2016

Your Destination...Our Priority





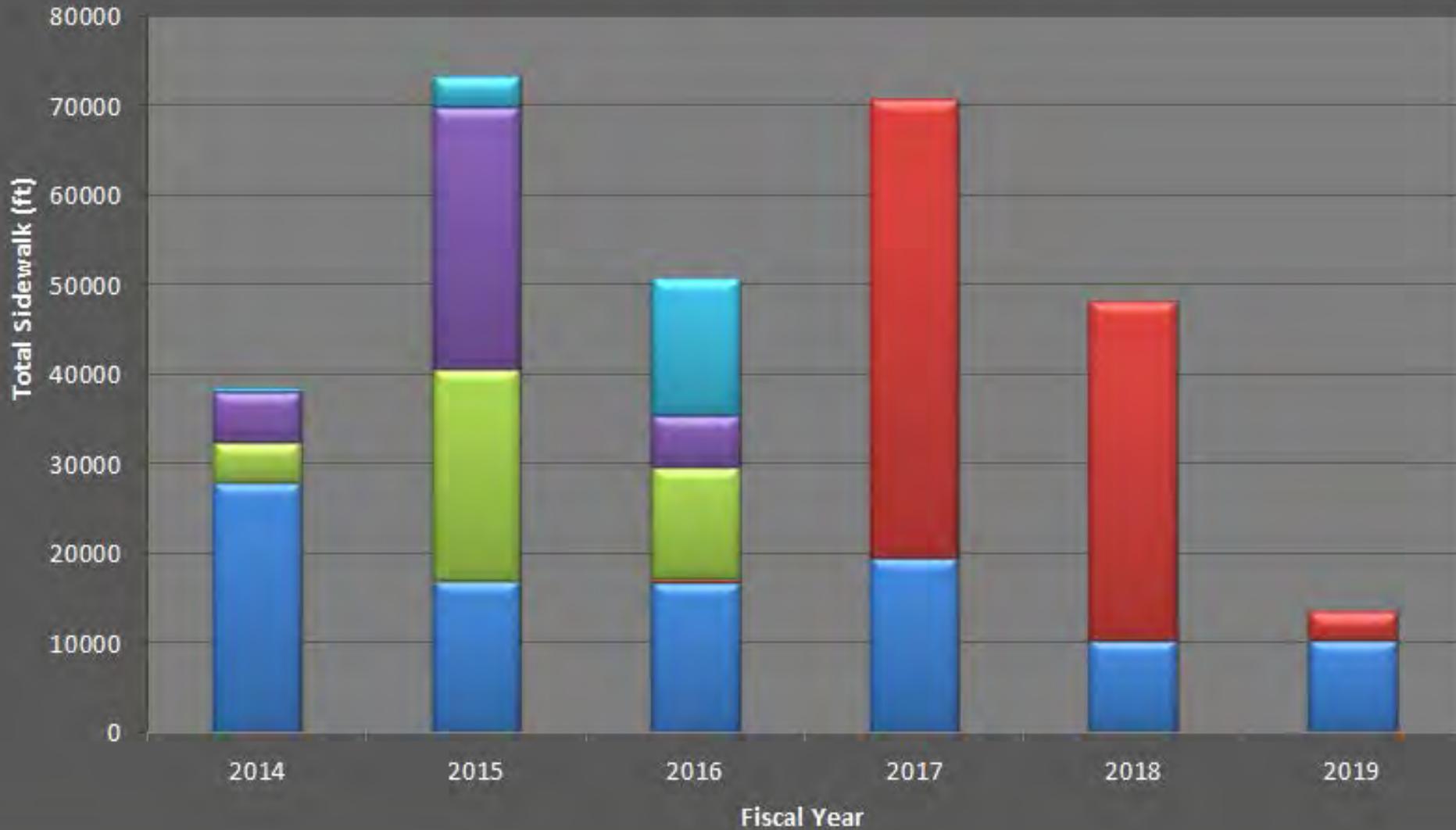
20 Year Transition Plan

- ADA Goes beyond Curb Ramps and APS
- Tech Memos – CR & SW Thresholds, “Outside-In” Design, ROW Acquisition, Bridge Repairs
- Substantial completion of Sidewalk and Driveways – 200+ miles in 20 years. Cond 3&4 3% cross slope, trip hazards, barriers
 - **FY 14 & 15 = \$ 2.5 M**
 - **FY 17 & 18 = \$ 5 M**
 - **FY 19 = \$ 7.5 M**
 - **FY 20 = \$ 10 M**



Sidewalk Total by Funding [District ALL]

■ SRC ■ MnSHIP ■ CIMS ■ Scope Enhancement ■ District C





Sidewalk Measures





ADA Design Memo*

Rev: 10/19/15

*To be completed by the Project Designer

SP#: * City: * TH(s): *

Project Letting Date: *

Project Description (Stand alone, Mill and Overlay, Reconstruction, etc...)

*

Project Designed by: *MnDOT/Consultant (firm's name)* * *Lead ADA Designer(s)* * *Engineer of record* *

Design Survey Crew Chief: *

Date of Survey: *

Survey Method Used: LiDAR Total Station Other

Horizontal accuracy: * Vertical accuracy: *

Number of Quadrants (no APS) * Number of Quadrants (with APS) *

State the number of non-compliant elements in Plans: *

Attach documentation along with alternatives considered for the non-compliant design elements. Include mitigation steps taken and reason(s) why it still can't be compliant.

Example of documentation includes but is not limited to:
Design plans with calculations, review and analysis of ADA field walk recommendations, emails, photographs, correspondences with public/local agency, etc.

If ANY ped ramps are proposed to be excluded from the project, include ALL compliance checklist forms in the zipped attachment for existing curb ramps to verify compliance.

ZIP THE FILE TOGETHER BEFORE UPLOADING!

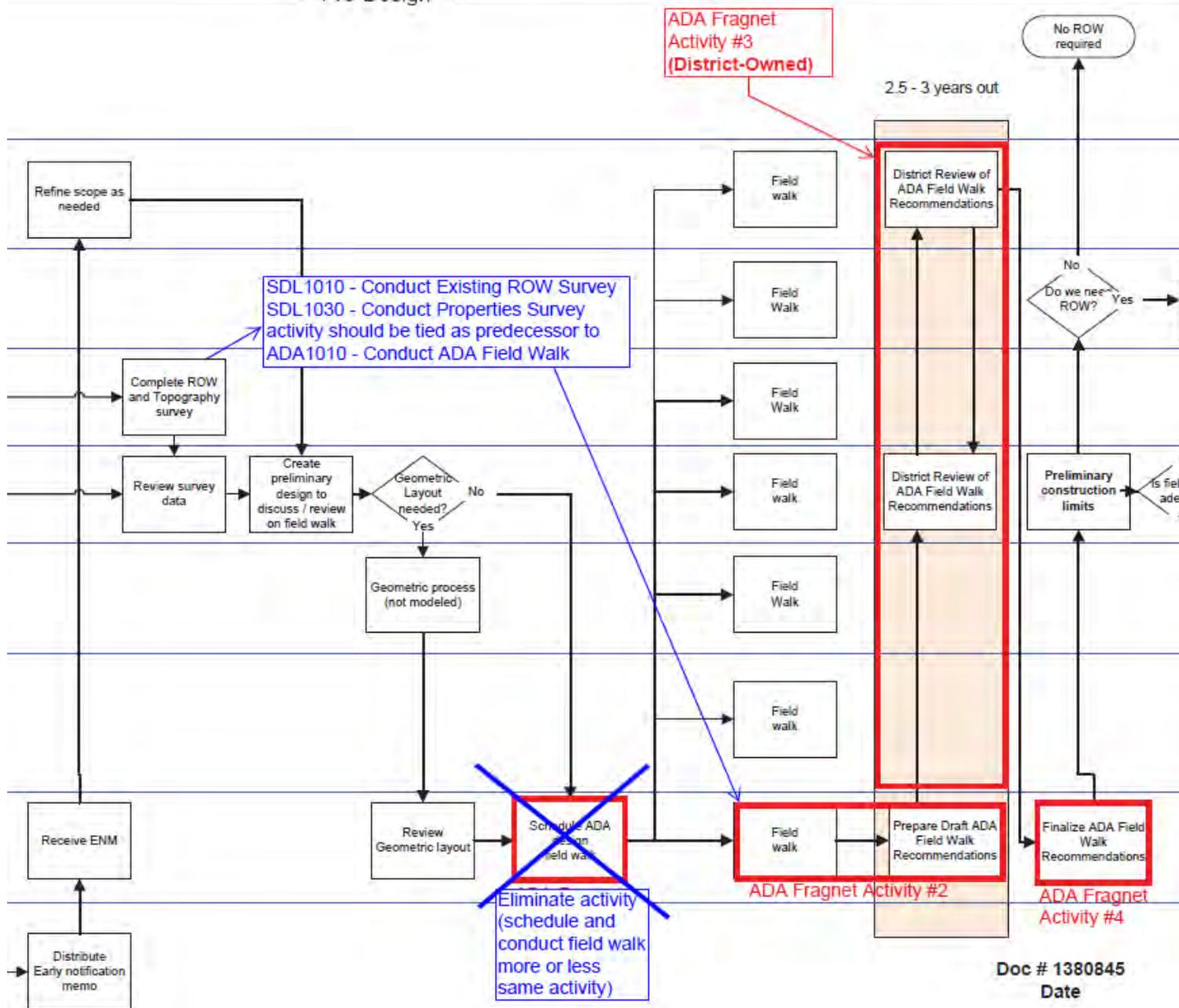
Upload the file at this link:

<https://connect.mn.gov/sites/mndot-teams3/ADA/DesignerDocumentation/Forms/AllItems.aspx>

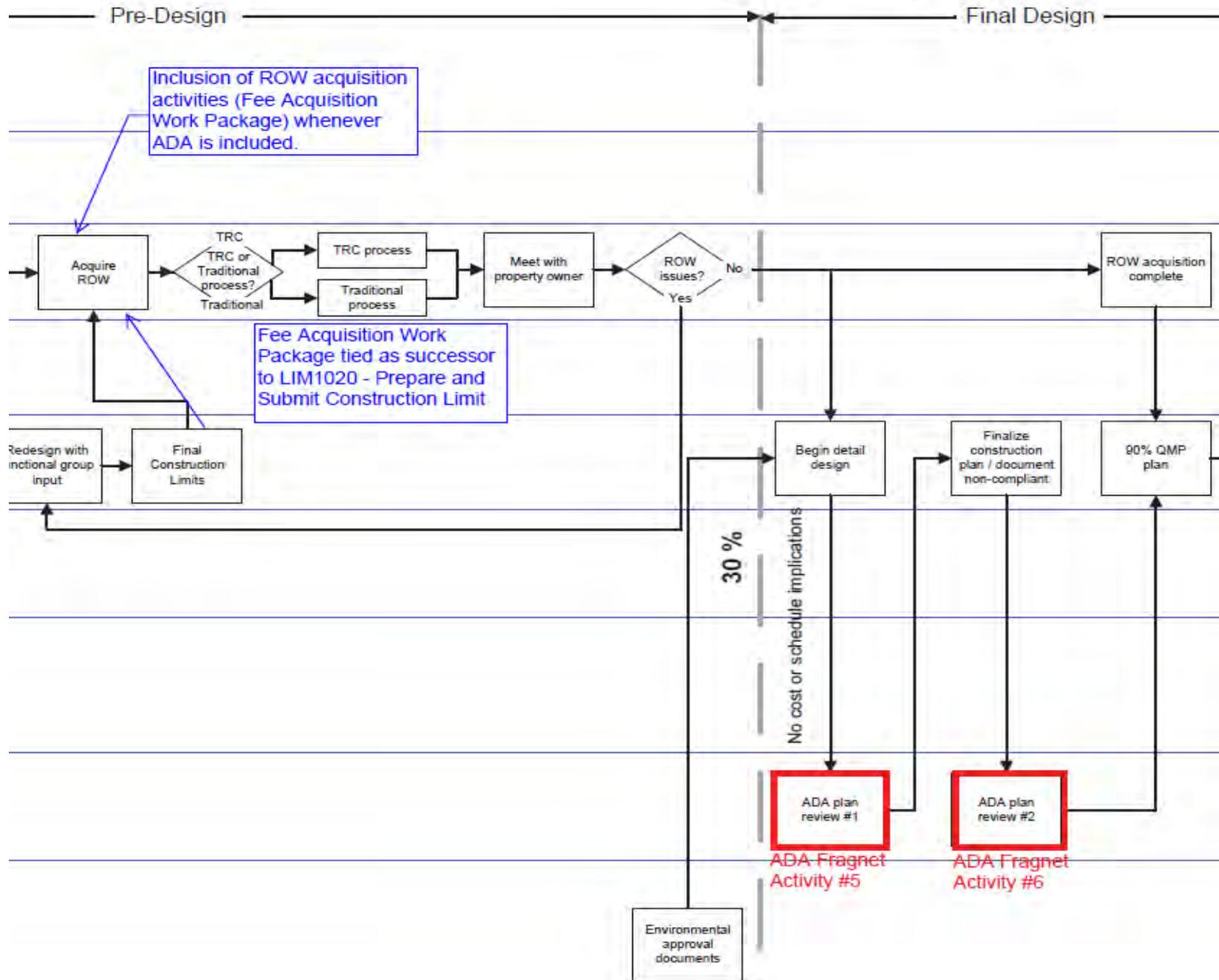
After upload, select SP number from drop-down to link document.

ADA Design Process

Pre-Design



ADA Design Process





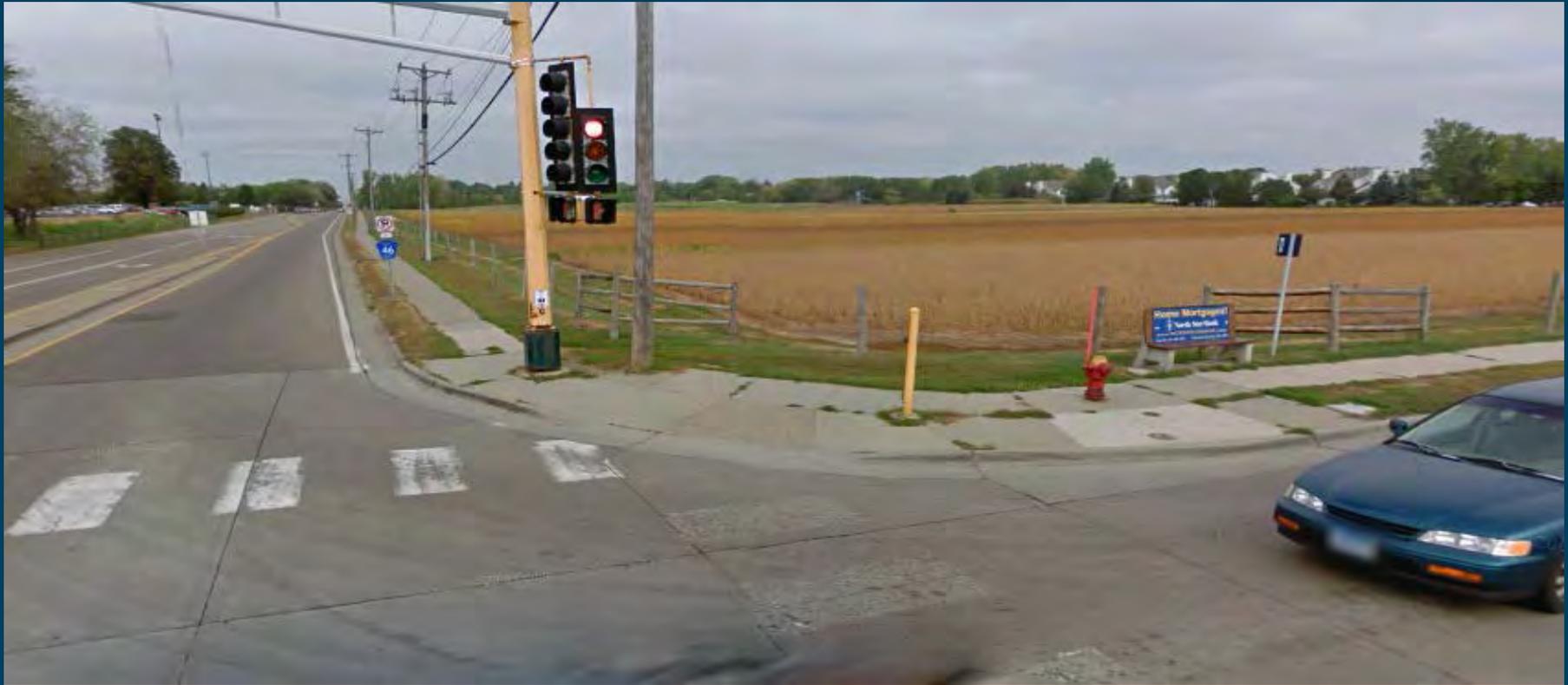
Sidewalk Evaluation



Level 1 (Standard Plan) Ramps



Level 2 Ramps - (X, Y)



Level 3 Ramps – (X, Y, Z)



Level 1 – Curb Ramp Reconstruction



Level 1 – Curb Ramp Tab

EXAMPLE ADA TABULATION QUANTITY TABULATIONS

CROSS STREET	REFERENCE POINT	CORNER LOCATION	REMOVE CURB AND GUTTER	REMOVE CONCRETE WALK	REMOVE CURB BOX	REMOVE AND REPLACE BITUMINOUS PAVEMENT	CONCRETE WALK	CONCRETE CURB AND GUTTER	CONCRETE CURB DESIGN V	TRUNCATED DOME	ADJUST HANDHOLE	STORM DRAIN INLET PROTECTION	SITE RESTORATION	CURB RAMP DESIGN (1)	REMARKS
			LIN FT	SQ FT	EACH	LIN FT	SQ FT	LIN FT	LIN FT	SQ FT	EACH	EACH	EACH		
5TH ST S (A)	T.H. 1									T.H. 1 SIDE STREET					
	00.217	SW	10	80			123	10		12		1	1	PERPENDICULAR	
	00.217	SE	14	88			98	14		10 (3)		1	1	ONE-WAY DIRECTIONAL	
	00.217	NW								10 (3)			1	COMBINED DIRECTIONAL	2' FLARE UP TO CURB BOX ON 5TH ST
	00.217	NE								10 (3)			1	COMBINED DIRECTIONAL	
	00.280	SW											1	ONE-WAY DIRECTIONAL	
	00.280	SE											1	ONE-WAY DIRECTIONAL	
	00.280	NW								26 R=23			1	FAN	
	00.280	NE								23 R=20			1	FAN	
	00.405	SW								12			1	COMBINED DIRECTIONAL	
00.405	SE								12			1	COMBINED DIRECTIONAL		
00.405	NW											1	ONE-WAY DIRECTIONAL		
00.405	NE	10	78			78	10			10 (3)		1	ONE-WAY DIRECTIONAL		
00.455	SW	38	156			145	25			10 (3)		1	ONE-WAY DIRECTIONAL		
00.455	SE	11	106			103	11			10 (3)		1	ONE-WAY DIRECTIONAL		
00.455	NW	43	246			225	43	18		23 (3)(4)		1	PARALLEL		
00.455	NE	64	287			325	69			12		1	ONE-WAY DIRECTIONAL	5' TAPER BITUMINOUS PARKING LOT	
CO RD 34 (D)	00.513	SW		30		6	30			12			1	PERPENDICULAR	
	00.513	SE		34		5	34			10 (3)		1	PERPENDICULAR		
	00.513	NW		53		6	53			12		1	PERPENDICULAR		
	00.513	NE		31		5	31			10 (3)		1	PERPENDICULAR		
MAIN ST (F)	00.532	SW	46	375	1	56	361	46	31	29 R=26'	3	2		DEPRESSED CORNER	
	00.532	SE	30	185		52	213	30		27 R=18'	1			DEPRESSED CORNER	8' X 8' CONCRETE TAPER PARKER LOT
	00.532	NW	38	241	2	35	231	35	21	25 R=30'	1	2		DEPRESSED CORNER	
	00.532	NE	29	201	2	29	201	29	17	25 R=30'		2		CUSTOM (2)	
1ST ST N (G)	00.593	SW	42	358		42	345	42	25	21 R=15'		1		CUSTOM (2)	
	00.593	SE	29	212		29	205	29	15	28 R=15'				CUSTOM (2)	
	00.593	NW	20	198	1	20	198	20		9 (3)	9 (3)	1	1	COMBINED DIRECTIONAL	MAINTAIN 4' (PAR) AROUND HYDRANT
	00.593	NE	19	171	1	19	174	19		18 R=10'		1	1	FAN	
2ND ST N (H)	00.652	SW	20	188		20	188	20		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
	00.652	SE	25	184		25	176	25		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
	00.652	NW	23	174	1	23	174	23		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
	00.652	NE	20	169	1	20	169	20		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
3RD ST N (I)	00.711	SW	18	152		18	86	18		11 (3)(4)			1	ONE-WAY DIRECTIONAL	
	00.711	SE	16	100		16	63	16		11 (3)(4)			1	ONE-WAY DIRECTIONAL	
	00.711	NW	23	310	1	23	310	23		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
	00.711	NE	19	122		19	122	19		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
4TH ST N (J)	00.780	SW	24	152		24	129	24	17	9 (3)	9 (3)		1	COMBINED DIRECTIONAL	CLEAN CUT ROOTS AND PROTECT LANDSCAPING
	00.780	SE	24	166		24	166	24		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
	00.780	NW	22	186	1	22	186	22		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
	00.780	NE	21	145		21	145	21		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
5TH ST N (K)	00.844	SW	17	126		17	75	17		10 (3)		1	1	ONE-WAY DIRECTIONAL	MAINTAIN 6' (PAR) AROUND LIGHT BASE
	00.844	SE	16	112		16	79	16		10 (3)			1	ONE-WAY DIRECTIONAL	
	00.849	NW	37	254		37	244	37		10 (3)	10 (3)		1	COMBINED DIRECTIONAL	
	00.849	NE	22	116		22	116	22		10 (3)	10 (3)		1	COMBINED DIRECTIONAL	
6TH ST N (L)	00.908	SW	17	124		17	69	17		10 (3)		1	1	ONE-WAY DIRECTIONAL	
	00.908	SE	17	113		17	80	17		10 (3)			1	ONE-WAY DIRECTIONAL	
	00.908	NW	24	190		24	190	24		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
	00.908	NE	26	130		26	151	26		9 (3)	9 (3)		1	COMBINED DIRECTIONAL	
7TH ST N (M)	00.967	SE	16	121		16	82	16		10 (3)			1	ONE-WAY DIRECTIONAL	
	00.967	NE	23	185		23	189	23		10 (3)	10 (3)		1	COMBINED DIRECTIONAL	
	00.977	SW	21	178		21	167	21		10 (3)	10 (3)		1	COMBINED DIRECTIONAL	
	00.977	NW	22	201		22	155	22		20 R=15'			1	CUSTOM (2)	
00.977	NE											1		PEDESTRIAN RAMP REMOVAL	

31-JAN-2013

In all ADA Tabulations, break down quantities by quadrant and identify the local street intersection name and the geographic location (i.e. N, S, E, W).

Include both removals and planned construction in the ADA Tabulation. Changes in sidewalk footprints and/or curb and gutter lengths can be readily identified when shown side-by-side rather than on separate Tabulations.

When curb ramp improvements necessitate utility adjustments, include the utility pay items in the ADA Tabulation rather than a separate Tabulation.

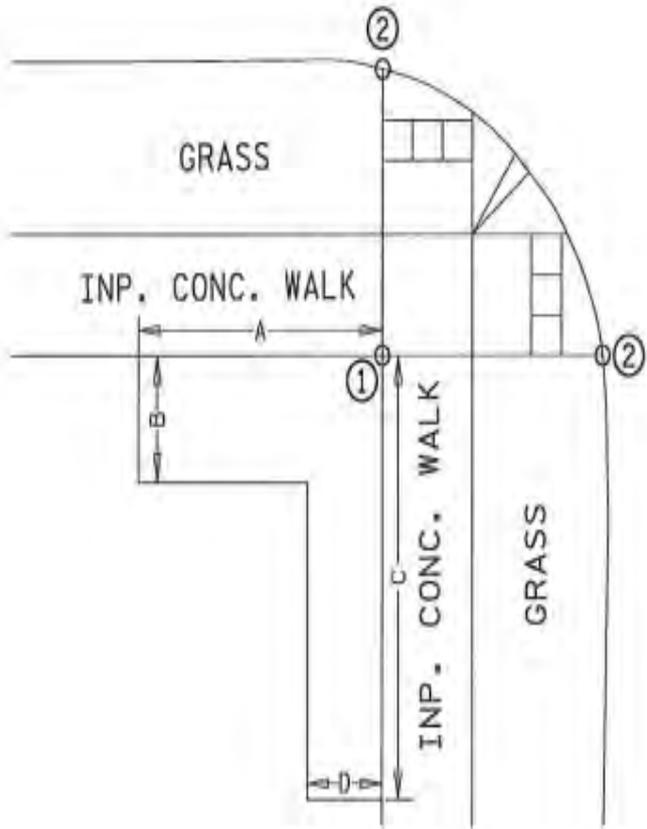
For Level 1 designs, some site-specific can be clarified in a Remarks column rather than generating 20-scale Intersection Detail sheets.

IPLOT NAME: d:\pws\446403\CP9892574_401.dgn
 PATH & FILENAME: IP_PWP\446403\CP9892574_401.dgn

LEVEL 1 TEMPORARY EASEMENT TABULATION

Rather than generating R/W plan sheets, which wouldn't otherwise be necessary for a Level 1 At A to include the project, this detail can be used to define temporary easements for the project.

The Remarks column should reflect any discussions between the right-of-way agent and the private property owner to follow these commitments through to construction.



RIGHT OF WAY TABULATIONS							B
CROSS STREET	REFERENCE POINT	CORNER LOCATION	TEMPORARY EASEMENT DIMENSIONS MEASURED FROM (1) & (2)				REMARKS
			A	B	C	D	
			T.H. 1				
5TH ST S (A)	00.217	SW	20	10	40	5	PROTECT SIGN
	00.217	SE	30	5	40	10	
	00.217	NW	20	10	50	5	
	00.217	NE	30	5	35	5	
4TH ST S (B)	00.280	SW	20	5	30	15	
	00.280	SE	30	5	25	5	PROTECT INPLACE RETAINING WALL
	00.280	NW	30	5	30	10	
	00.280	NE	20	5	20	5	
2ND ST S (C)	00.405	SW	45	5	20	5	
	00.405	SE	30	15	20	5	CLEAN CUT SPRINKLER & CAP ABOVE GROUND
	00.405	NW	30	5	40	5	
	00.405	NE	30	5	30	3	HOMEOWNER WILL REPLACE LANDSCAPING
CO RD 34 (D)	00.455	SW	40	5	35	5	
	00.455	SE	20	5	35	5	
	00.455	NW	50	3	30	5	
	00.455	NE	30	5	30	5	

- ① WHEN INTERSECTING WALK IS PRESENT
- ② WHEN NO INTERSECTING WALK IS PRESENT

Level 2 – Signalized Intersection

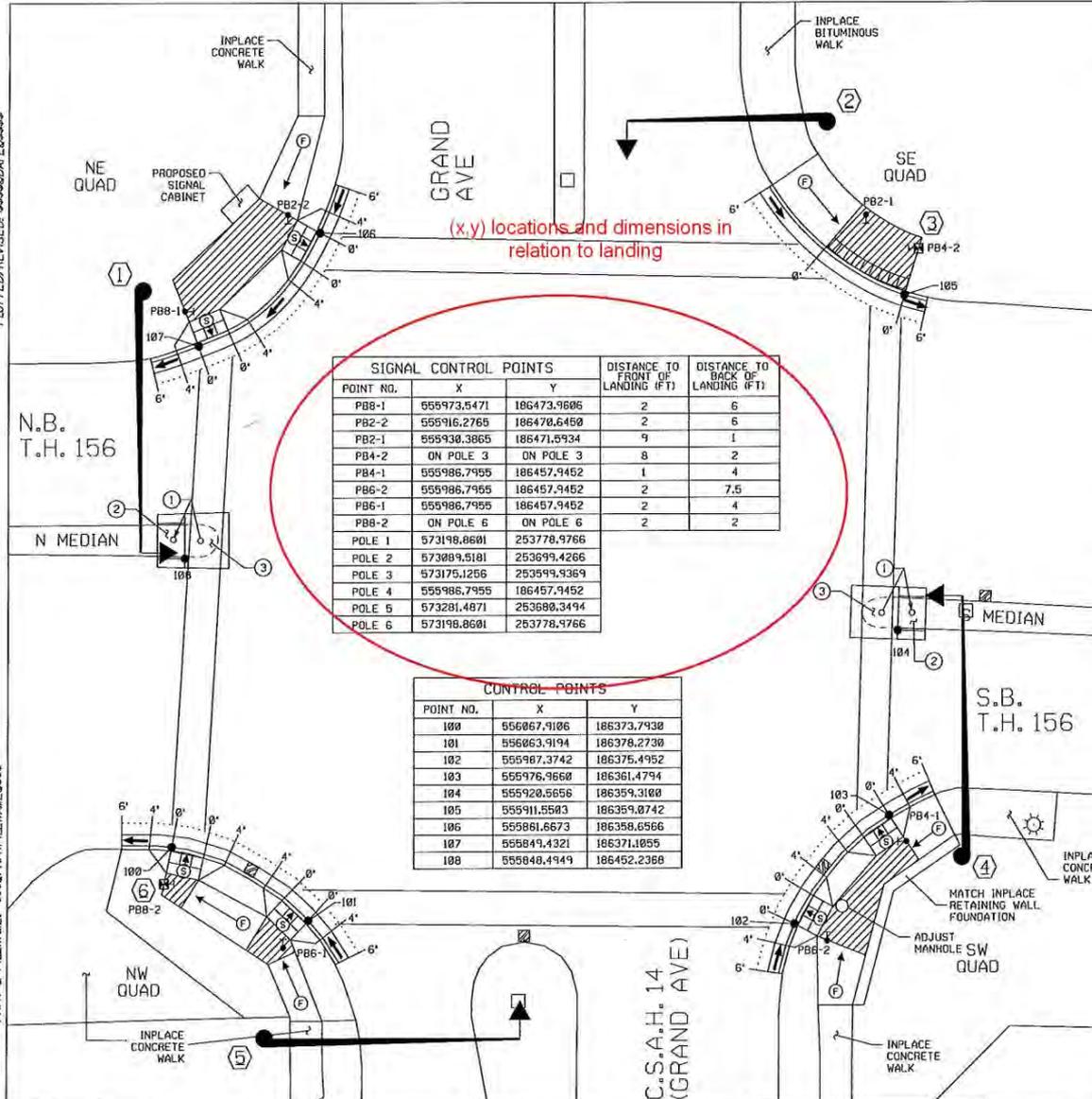
- ▶ Curb line, Sidewalk edges, Hydrant, Gate Valve, Signal Pole, Power Pole, Ped PB station, Fence, Bench, Signs, Handhole, Crosswalk Striping



[Report a problem](#) Image Date: September 2009



Level 2 - Signal Plan



(x,y) locations and dimensions in relation to landing

POINT NO.	X	Y	DISTANCE TO FRONT OF LANDING (FT)	DISTANCE TO BACK OF LANDING (FT)
PB8-1	555973.5471	186473.9605	2	6
PB2-2	555916.2765	186478.6450	2	6
PB2-1	555938.3865	186471.5934	9	1
PB4-2	ON POLE 3	ON POLE 3	8	2
PB4-1	555986.7955	186457.9452	1	4
PB6-2	555986.7955	186457.9452	2	7.5
PB6-1	555986.7955	186457.9452	2	4
PB8-2	ON POLE 6	ON POLE 6	2	2
POLE 1	573198.8601	253778.9766		
POLE 2	573889.5181	253699.4266		
POLE 3	573175.1266	253599.9369		
POLE 4	555986.7955	186457.9452		
POLE 5	573281.4871	253688.3494		
POLE 6	573198.8601	253778.9766		

POINT NO.	X	Y
100	556867.9106	186373.7930
101	556863.9194	186378.2738
102	555987.3742	186375.4952
103	555976.9668	186361.4794
104	555920.5656	186359.8100
105	555911.5583	186359.8742
106	555881.6673	186358.6566
107	555849.4321	186371.1855
108	555848.4949	186452.2368

LEGEND

- PROPOSED SIGNAL POLE
- PEDESTRIAN PUSH BUTTON STATION
- PEDESTRIAN PUSH BUTTON
- CONTROL POINTS AT GUTTER FLOW LINE
- TRUNCATED DOMES (SEE STANDARD PLATE 7038)
- CONSTRUCT CONCRETE CURB & GUTTER
- BITUMINOUS TREATMENT-SEE TABULATIONS
- CURB HEIGHT
- LANDING AREA - 4' X 4' MIN. DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS
- INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND 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%
- DRAINAGE FLOW ARROW

TABULATED QUANTITIES

LOCATION	REMOVE CONC. WALK	REMOVE CONC. CURB & GUTTER	MILL AND PATCH BITUMINOUS PAVEMENT	CONCRETE WALK	CONCRETE CURB & GUTTER	CONCRETE CURB DESIGN V	TRUNCATED DOMES	
	SQ FT	LIN FT	LIN FT	SQ FT	LIN FT	LIN FT	SQ	35' RAD SECTION
NE QUAD	293	45	45	548	45	-	24	-
SE QUAD	118	31	31	329	31	-	-	48
S MEDIAN	59	26	26	28	26	-	-	-
SW QUAD	-	20	391	129	20	-	24	-
NW QUAD	275	20	592	377	20	-	24	-
N MEDIAN	68	26	-	29	18	-	-	-
TOTALS	797	168	983	1448	136	-	72	48

- ### GENERAL NOTES:
- PROVIDE A SAWCUT AT THE REMOVAL LIMIT OR THE NEAREST JOINT OF THE CONCRETE WALK AND CONCRETE CURB & GUTTER. ALL SAWCUTS SHALL BE INCIDENTAL.
 - LANDINGS SHALL BE CONNECTED TO EXISTING SIDEWALKS MAINTAINING A 4' WIDE (MINIMUM) PEDESTRIAN ACCESS ROUTE WITH A CROSS SLOPE THAT DOES NOT EXCEED 2.0% AND A RUNNING SLOPE THAT DOES NOT EXCEED 8.3%.
 - ALL PERPENDICULAR RAMPS ARE 4' LONG UNLESS OTHERWISE NOTED
 - LOCATE ALL NEW HANDHOLES OUTSIDE OF THE PAR.

- SALVAGE AND INSTALL SIGN.
- SHORTEN MEDIAN NOSE TO MAKE ROOM FOR NEW CROSSWALK. CONSTRUCT CONCRETE NOSE - SEE STANDARD PLATE 7113.
- CONSTRUCT CONCRETE PAVEMENT TO FILL THE AREA WHERE THE CONCRETE MEDIAN NOSE IS TO BE REMOVED, MATCH INPLACE PAVEMENT THICKNESS.

Level 3 – Vertical Constraints

- ▶ Curb line, Sidewalk edges, Hydrant, Signal Pole, Signal Cabinet, Handhole, Crosswalk Striping
- ▶ Elevation of alcove concrete slab in front of door is critical



Report a problem Image Date: July 2009



Level 3 Plan

EXAMPLE INTERSECTION DETAIL SHEET

Only one intersection per sheet

See MnDOT Standard Legend on ADA website

LEGEND	
XXX	CONTROL POINTS AT GUTTER FLOW LINE
[Symbol]	TRUNCATED DOMES (SEE STANDARD PLATE 7038)
[Symbol]	CONSTRUCT CONCRETE CURB & GUTTER
[Symbol]	BITUMINOUS TREATMENT-SEE TABULATIONS
X*	CURB HEIGHT
[Symbol]	LANDING AREA - 4' X 4' MIN. DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS
[Symbol]	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
[Symbol]	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%
[Symbol]	DRAINAGE FLOW ARROW

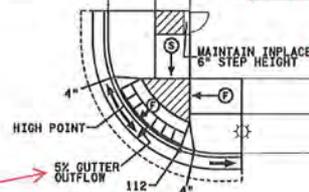


20-scale required

Level 3 quadrant because of vertical constraint (a step to match, in this case)

Always explain vertical tie-ins using contractor-friendly terms

2ND AVE



Reverse gutter used to help make up elevation

For Level 2 quadrants, include only one Control Point on ramps. Locate this point at the outside edge of domes. Select the Trunk Highway side for depressed corner or fan ramps.

Label specific ramp slope (to the nearest full %) and length if and only when they are non-compliant

Include a cross reference to Tabulation when an intersection requires both Level 1 and 2/3 designs. Do not show removals or planned construction at the Level 1 quadrant.

GUTTER CONTROL POINTS

POINT NUMBER	X	Y	ELEVATION
NE CORNER			
101	556102.00	149645.05	950.34
102	556088.97	149645.03	950.78
103	556088.49	149644.99	950.30
104	556088.10	149644.89	950.87
105	556088.02	149644.87	950.83
106	556082.95	149643.18	950.72
107	556082.48	149643.06	950.68
108	556082.00	149643.03	950.39
109	556077.00	149643.03	950.17
110	555990.10	149682.87	950.90
111	555952.27	149593.11	950.87
NW CORNER			
112	555990.10	149682.87	-
SE CORNER			
113	556064.73	149553.76	951.46
114	556064.73	149567.38	951.40
115	556084.66	149578.76	951.32
116	556064.73	149579.39	951.28
117	556064.92	149582.76	951.25
118	556067.61	149588.39	951.17
119	556073.17	149592.34	951.10
120	556077.17	149593.13	950.74
121	556077.17	149591.39	950.65
122	556064.73	149553.76	951.46
123	556064.73	149567.38	951.40

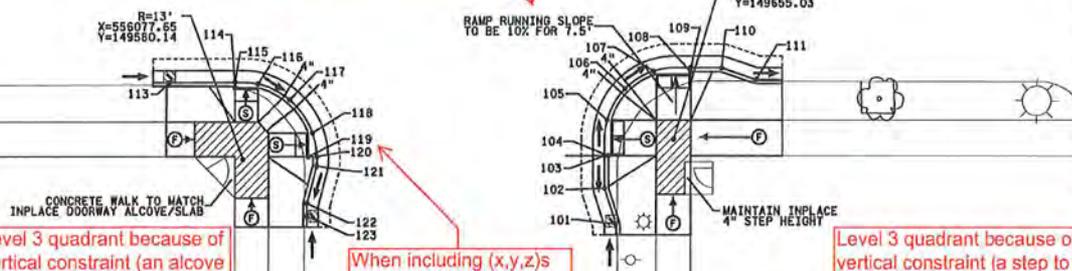
SEE TABULATION X FOR CURB RAMP CONSTRUCTION QUANTITIES.

Level 3 quadrant because of vertical constraint (an alcove to match, in this case)

When including (x,y,z) for directional curb, select three points: outside edge of domes and two on the flow line.

Level 3 quadrant because of vertical constraint (a step to match, in this case) and because of the non-compliant ramp slope

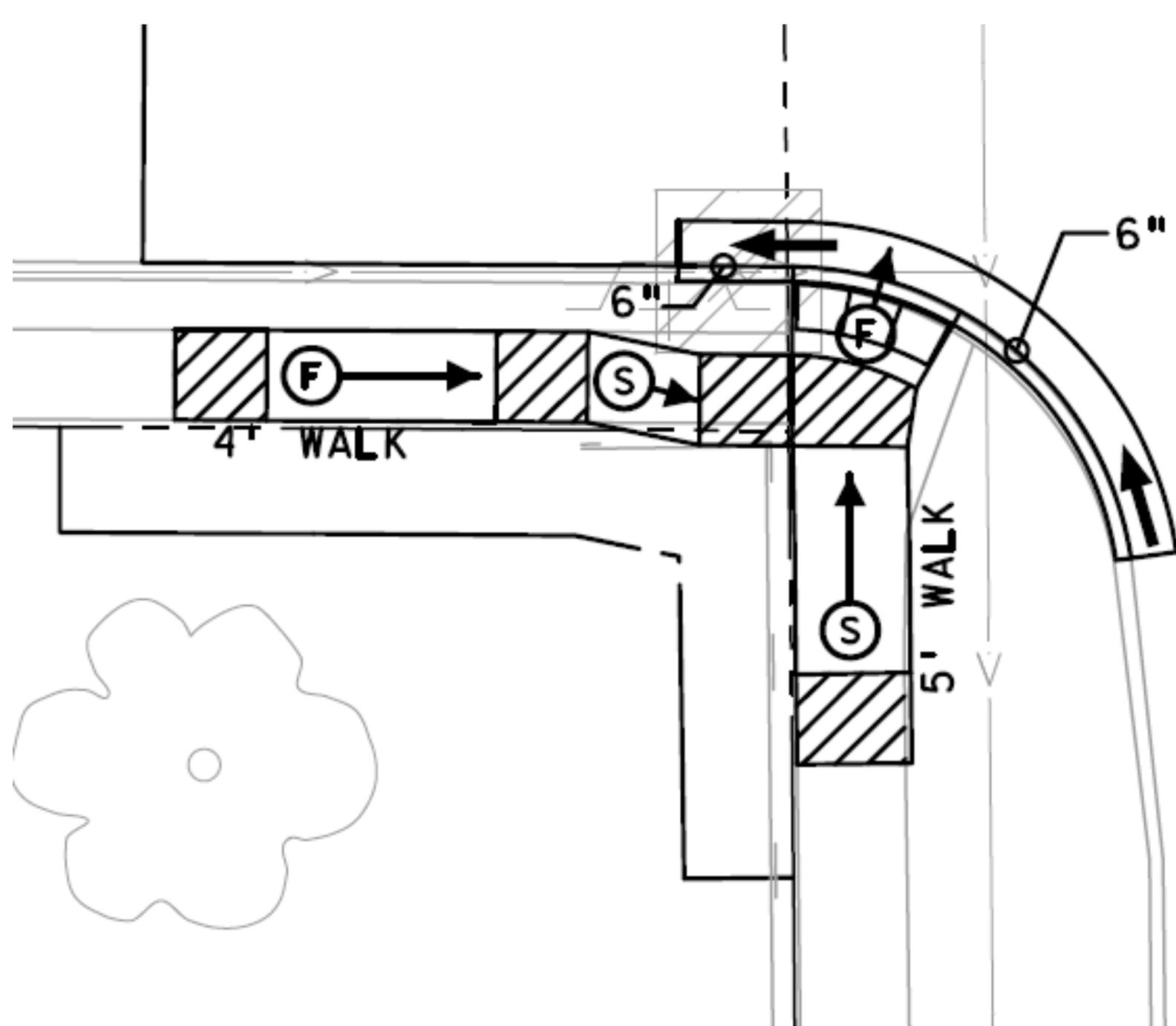
z's provided when curb flow lines are changed vertically/horizontally

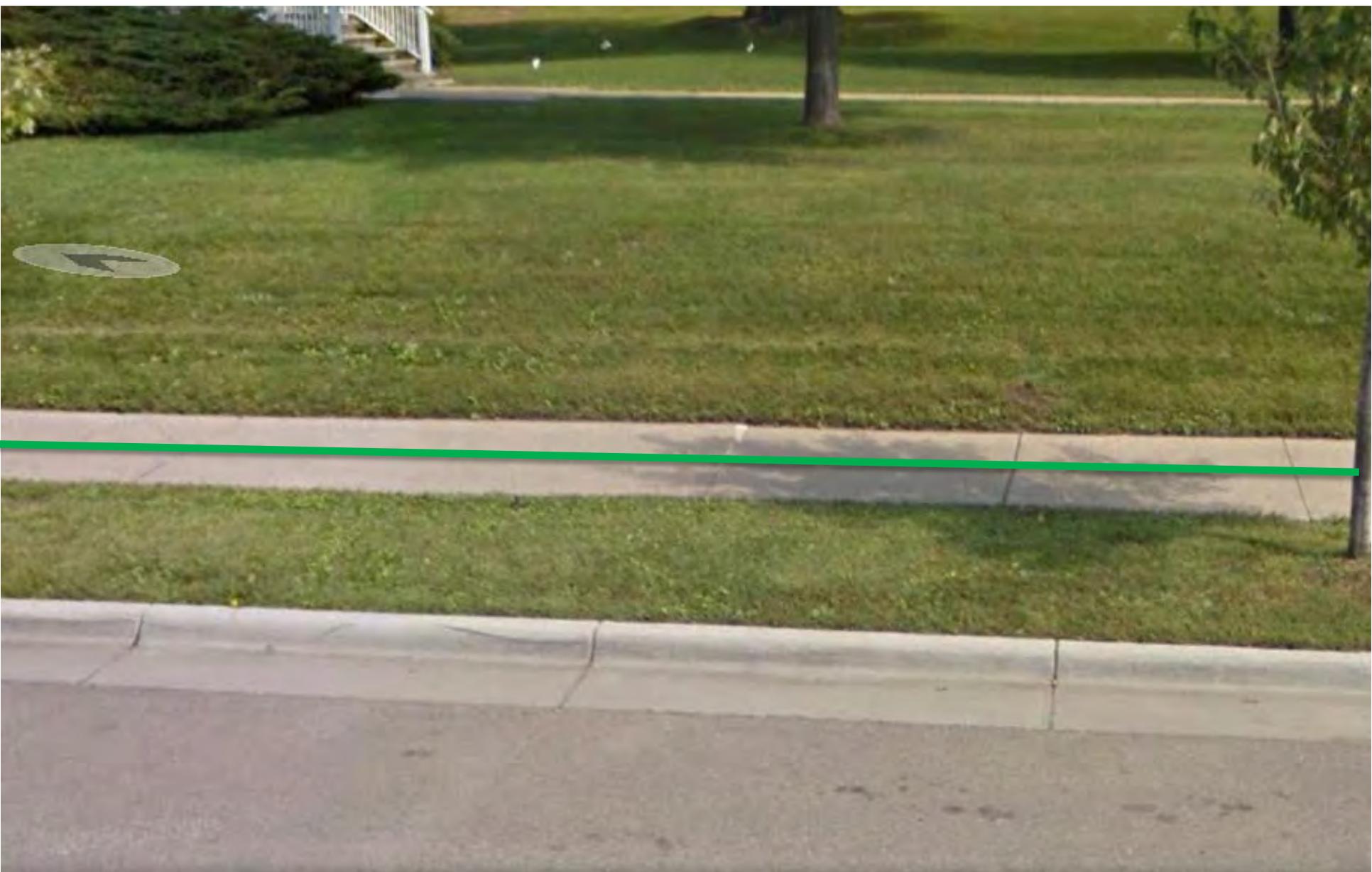


INTERSECTION A

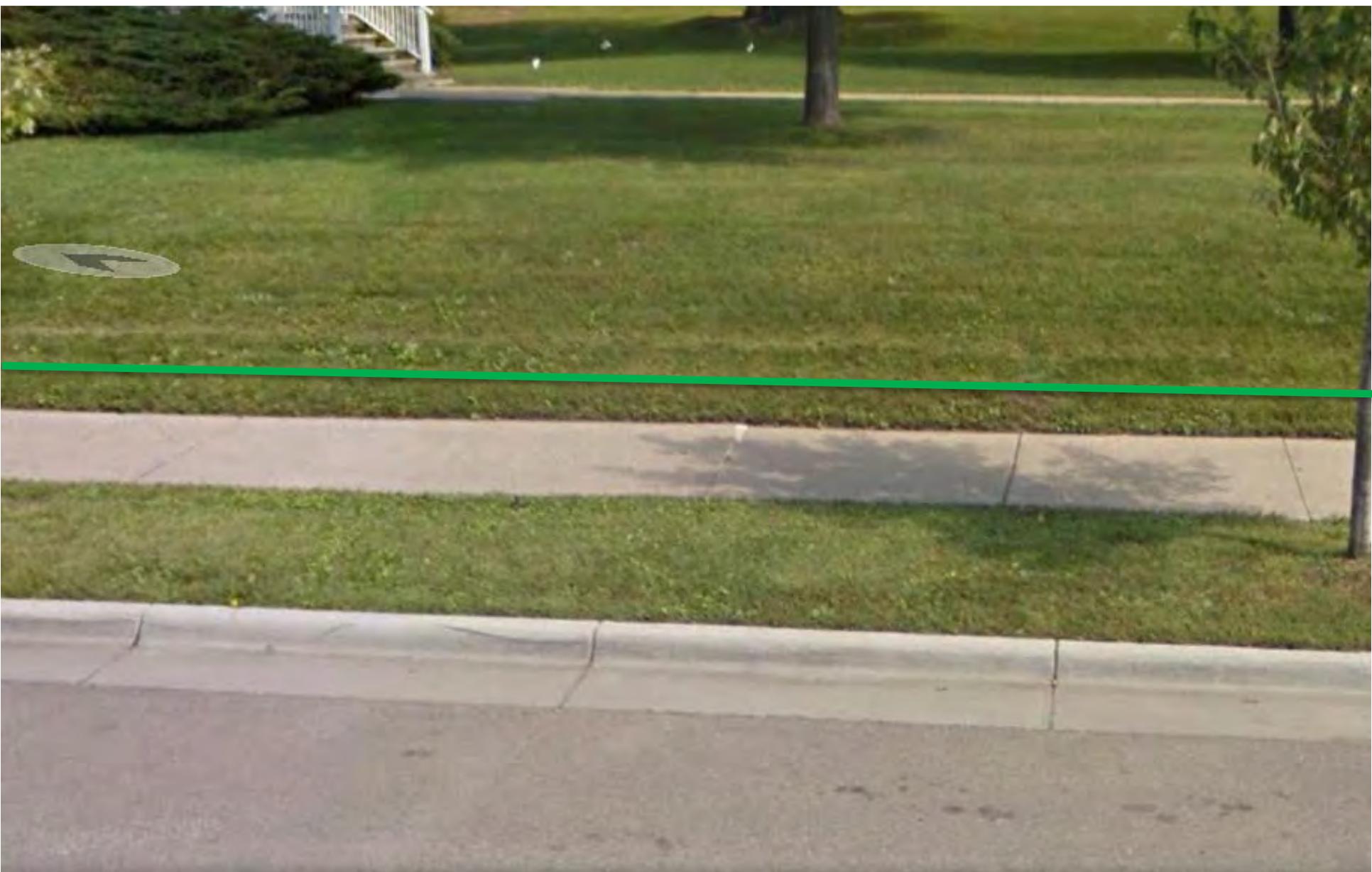
INTERSECTION DETAILS

DISTRICT #: INSERT DISTRICT NAME HERE
PLOT NAME: IN23
FILE NAME: IP_PWP04146403V.consolidated.dgn
PLOTTED/REVISED: 31-JAN-2013

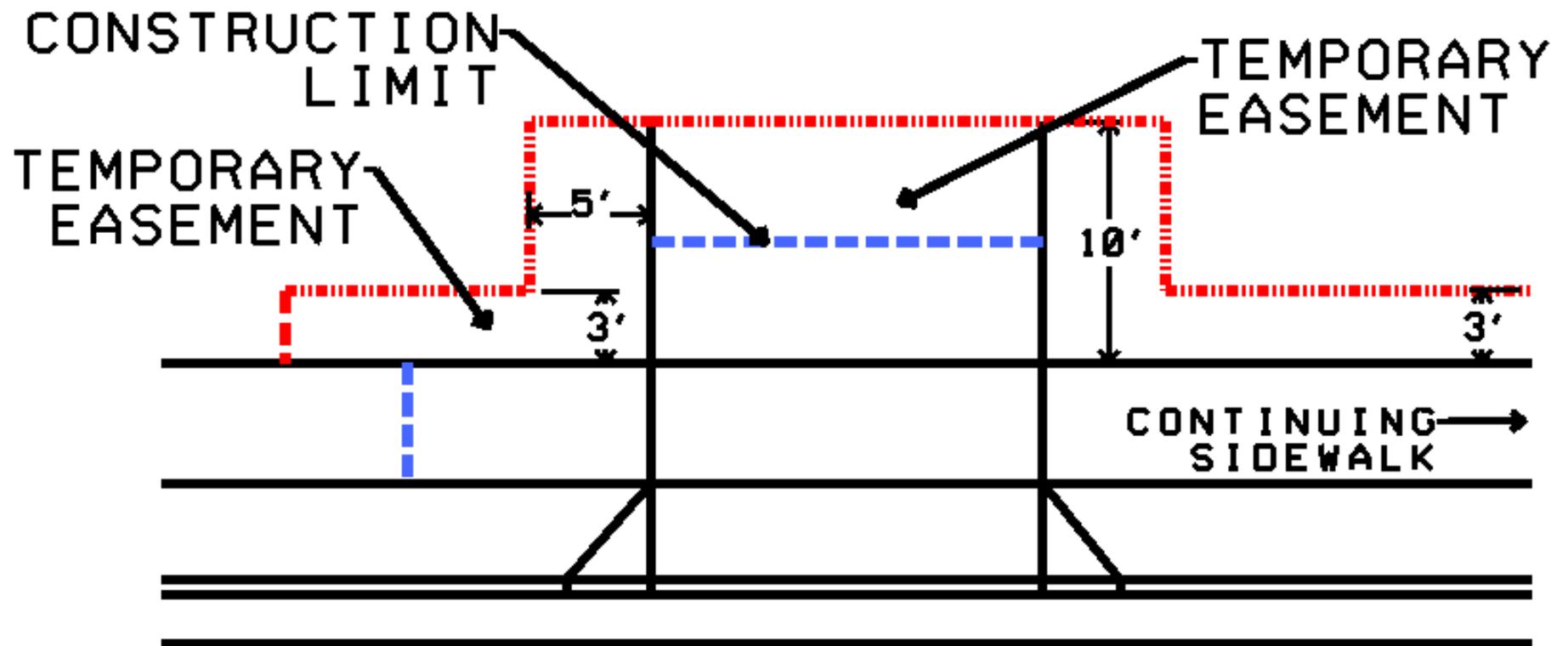


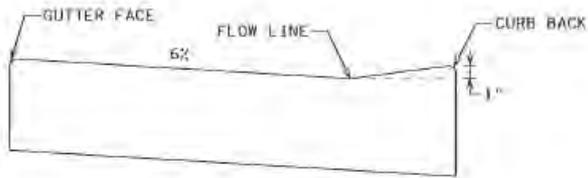






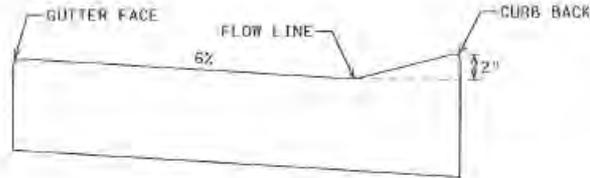
EASEMENT NEEDS AT DRIVEWAYS AND SIDEWALKS





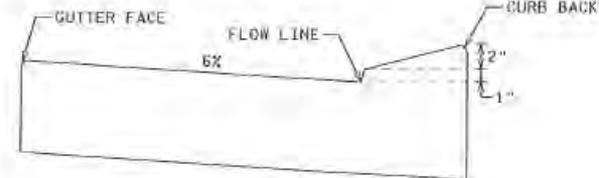
NOT VERTICALLY CONSTRAINED

CURB TYPE A



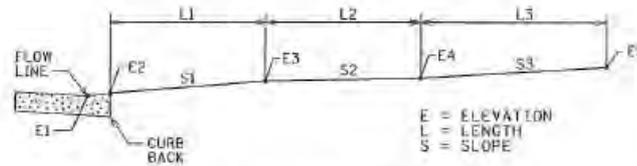
VERTICALLY CONSTRAINED

CURB TYPE B



VERTICALLY CONSTRAINED

CURB TYPE C

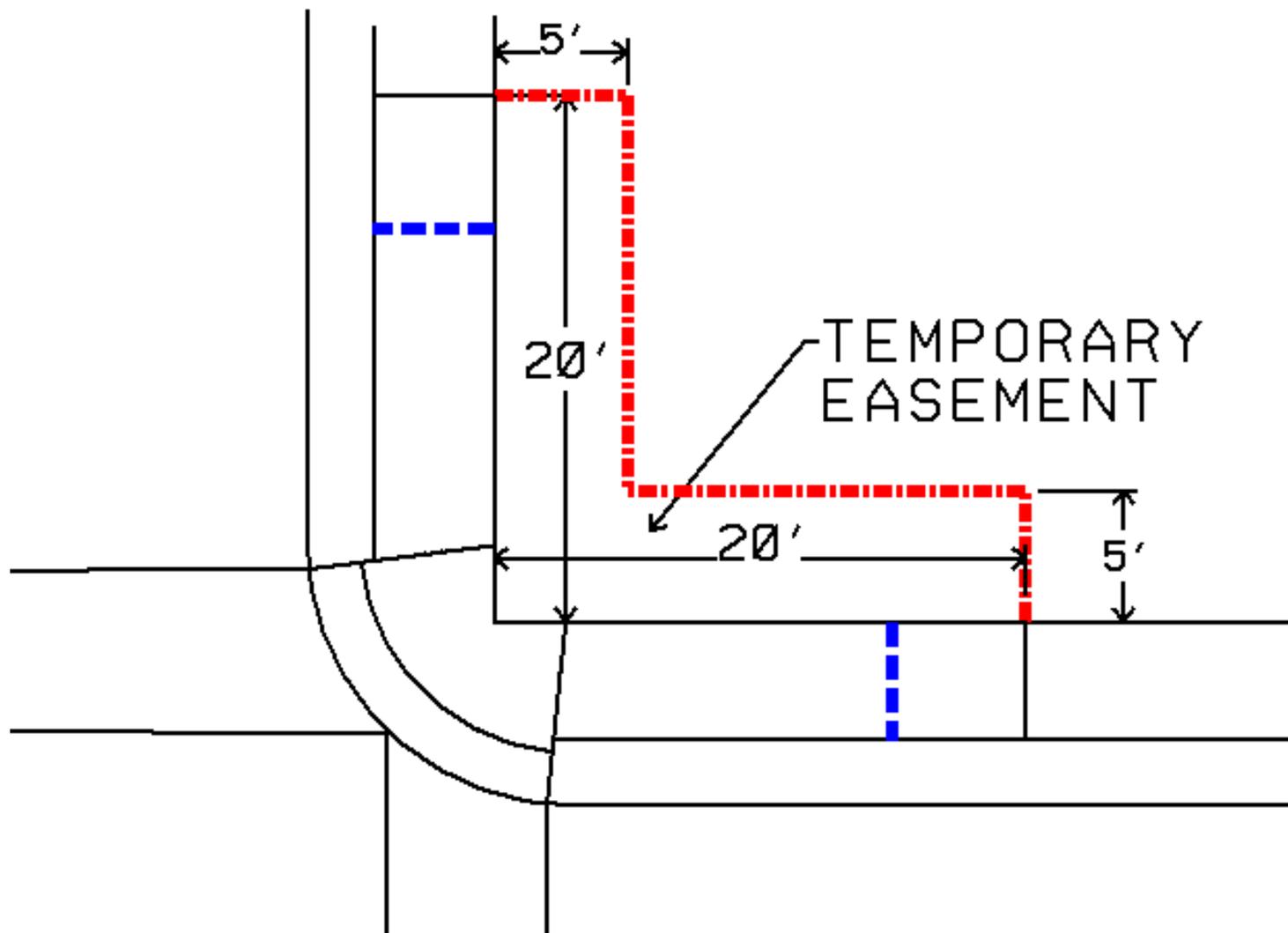


SECTION VIEW

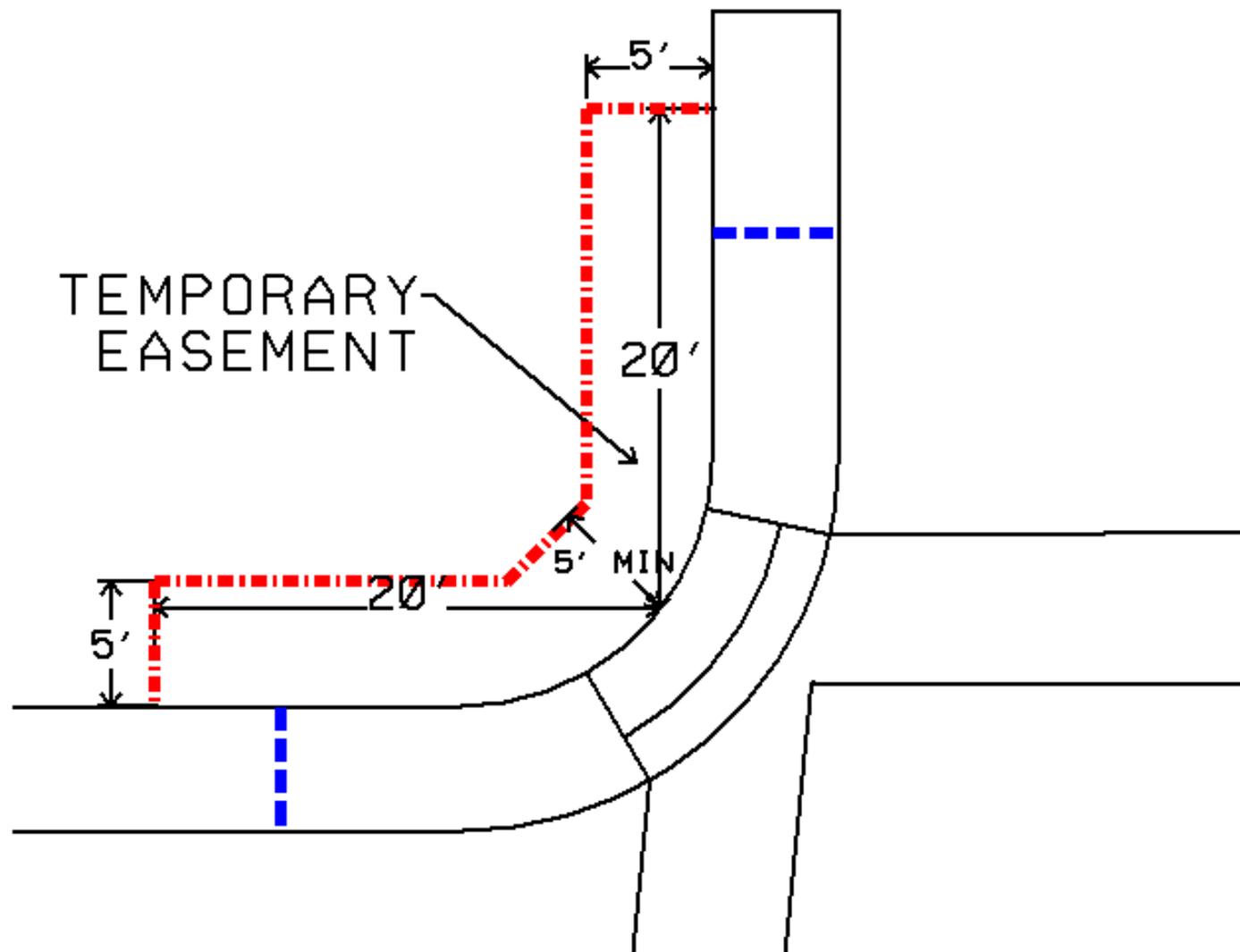
DRIVEWAY TABULATION

STATION	SIDE	E1	E2	L1	S1	E3	L2	S2	E4	L3	S3	E5	CURB TYPE	ENTRANCE WIDTH
				FT	%		FT	%		FT	%			FT
149+85.69	LT	1463.22	1463.39	5.00	8.60	1463.82	5.00	1.60	1463.90	NA	NA	NA	B	10'
150+65.16	LT	1462.92	1463.00	5.00	8.60	1463.43	5.00	1.60	1463.51	5.53	7.96	1463.95	A	10'
152+21.17	LT	1463.43	1463.51	17.33	2.89	1464.01	5.00	1.00	1464.08	NA	NA	NA	A	10'
153+32.44	LT	1464.04	1464.12	17.33	1.90	1464.45	5.00	1.60	1464.53	NA	NA	NA	A	10'
153+86.07	LT	1464.47	1464.72	17.33	-12.06	1466.81	5.00	1.00	1466.88	NA	NA	NA	C	10'
155+91.04	LT	1465.93	1466.18	17.33	-13.62	1468.54	5.00	1.40	1468.61	NA	NA	NA	C	12'
159+56.25	RT	1465.25	1465.33	13.33	3.30	1465.77	5.00	1.40	1465.84	NA	NA	NA	A	24'
159+71.85	LT	1465.37	1465.45	13.33	6.83	1466.36	5.00	1.40	1466.43	NA	NA	NA	A	10'
163+26.79	RT	1464.44	1464.69	13.33	-10.88	1466.14	NA	NA	NA	NA	NA	NA	C	42'
163+44.75	LT	1464.74	1464.82	13.33	4.65	1465.44	5.00	1.60	1465.52	NA	NA	NA	A	10'
164+05.47	RT	1464.80	1464.97	13.33	9.15	1466.19	NA	NA	NA	NA	NA	NA	B	52'
166+28.69	LT	1466.13	1466.21	9.33	7.72	1466.93	6.00	1.50	1467.02	3.94	1.52	1467.08	A	32'

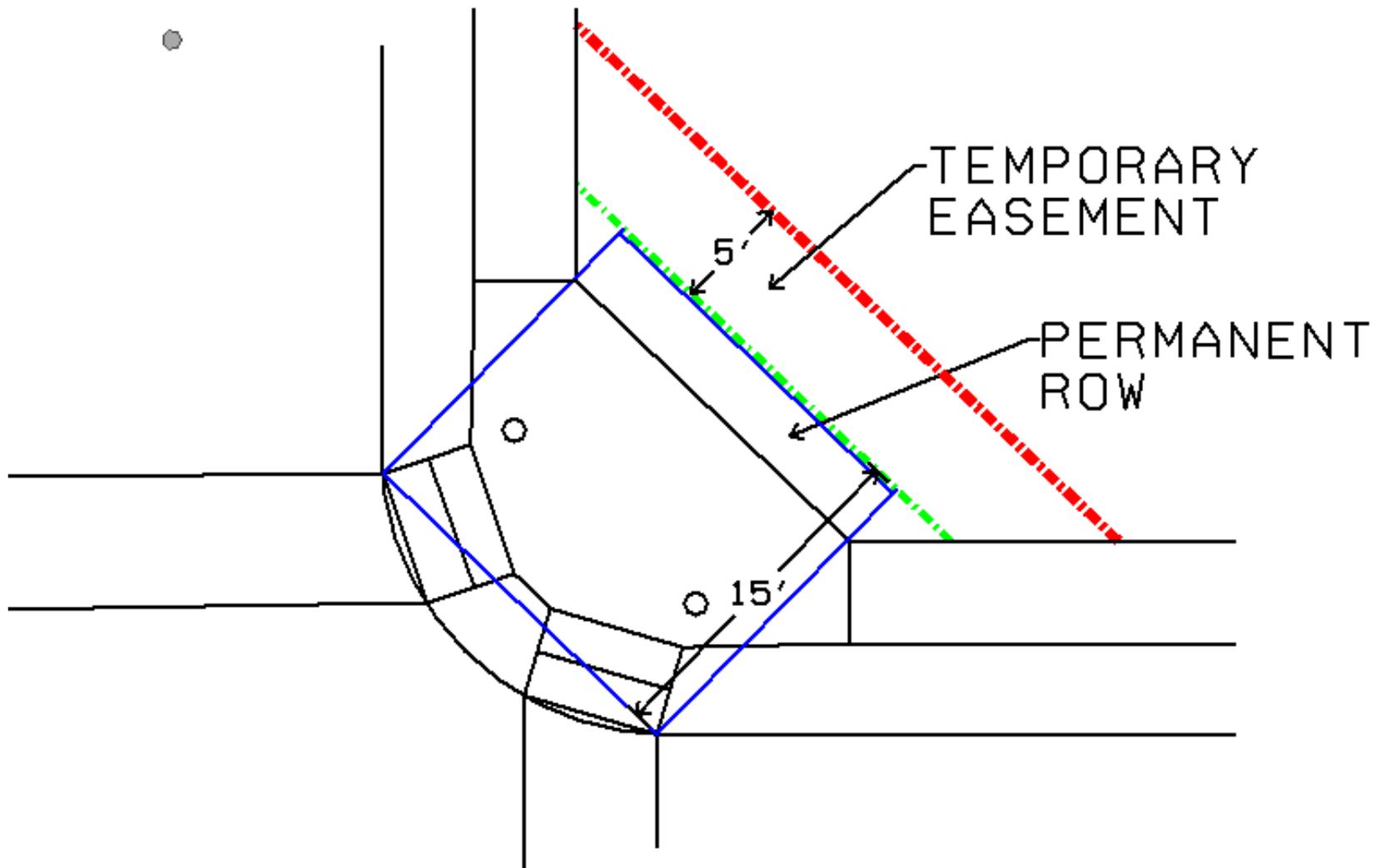
ROW NEEDS AT NON-SIGNALIZED INTERSECTIONS



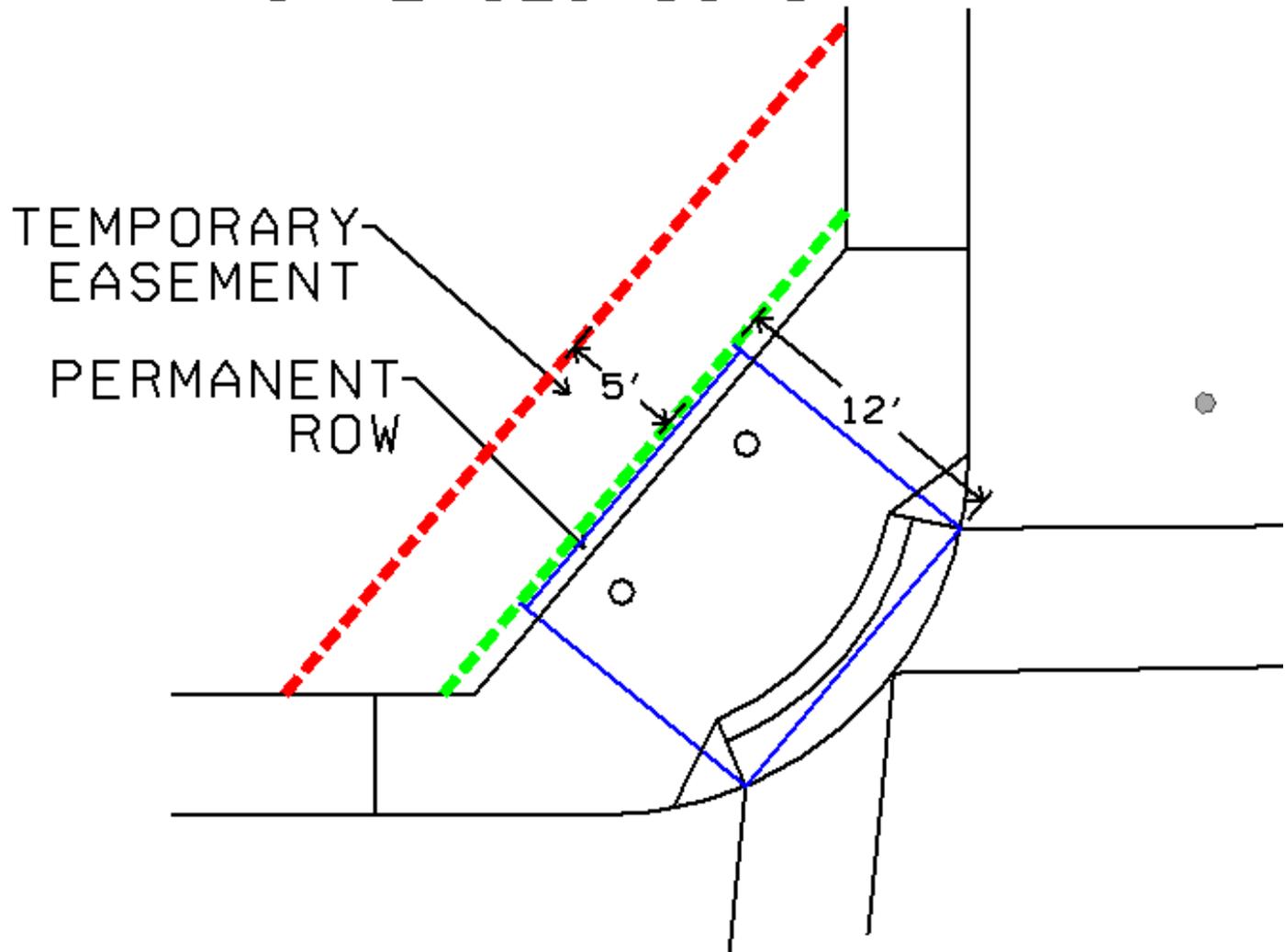
ROW NEEDS AT NON-SIGNALIZED INTERSECTIONS

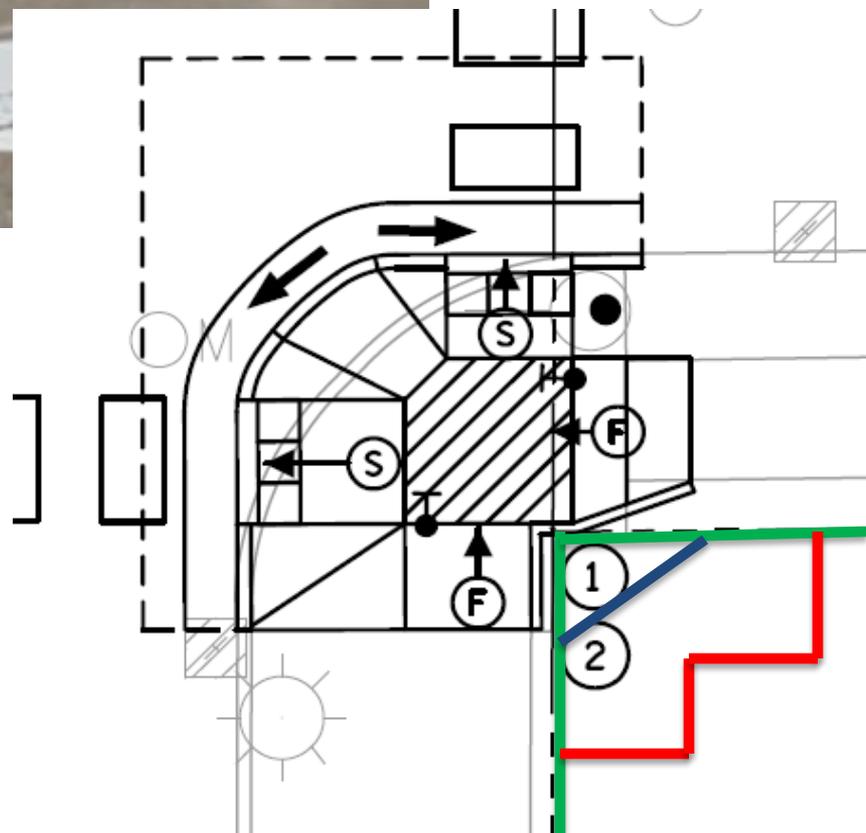


ROW NEEDS AT SIGNALIZED INTERSECTIONS



ROW NEEDS AT SIGNALIZED INTERSECTIONS







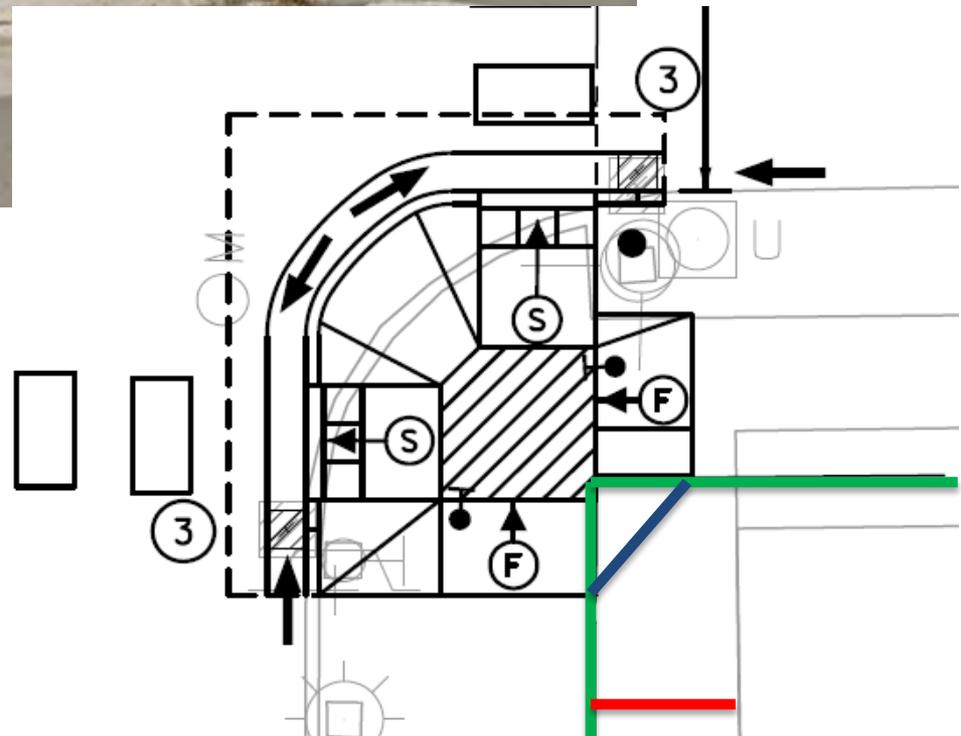
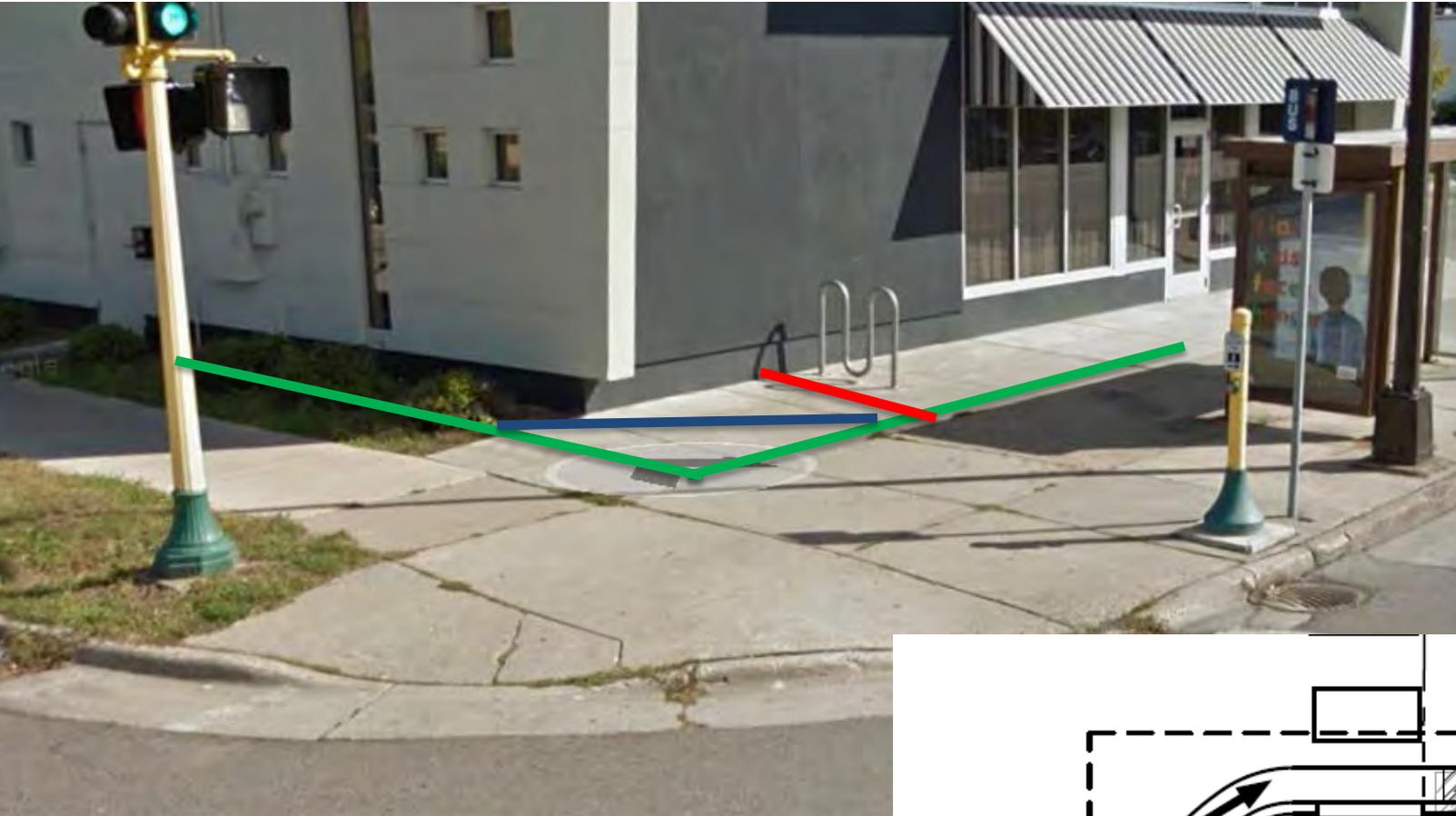


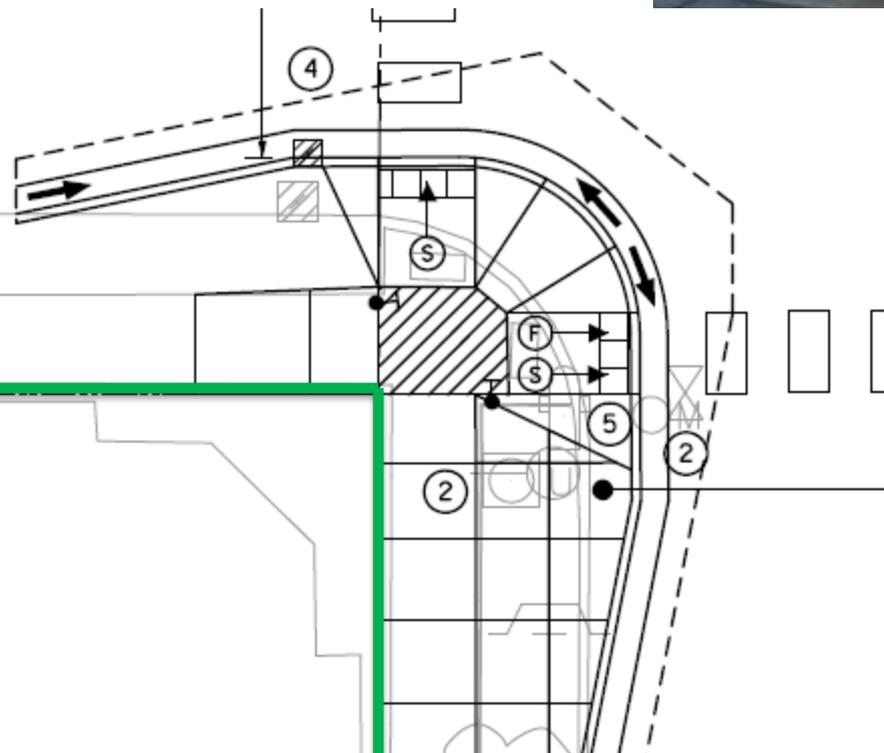


NO BIKE RIDING
ON SIDEWALK











Broadway Ave

MIDWEST
ANTIQUES



allure salon and spa

369-514

UB









PARKING
FOR
CUSTOMERS
ONLY WHILE
IN THE
STORE

NO
SOLICITING

NO SOLICITING
OR DISTRIBUTION
OF LITERATURE
OR CAMPAIGNING
IS PERMITTED
HEREIN





Grace Christian Church

STOP





Fairway

HyVee
EMPLOYEE OWNED

**OVER 135 YEARS OF BAKING AND
DECORATING EXPERIENCE**

A large billboard for HyVee is mounted on a building. The billboard features the HyVee logo, the text "EMPLOYEE OWNED", and the slogan "OVER 135 YEARS OF BAKING AND DECORATING EXPERIENCE". The billboard is surrounded by images of various baked goods, including cookies, bread, and pastries. The word "Fairway" is visible in the top right corner of the billboard.

Grace Christian Church

A white sign for Grace Christian Church is visible in the background. The sign features the church's name in a cursive font and some smaller text below it. The sign is mounted on a building.





Pancake House
Restaurant
&
Bakery

SEAS
RACING

Park St E



K of C

SPEED
LIMIT
30

PETES

R&S RACING

AUTO PARTS

**VETERANS
PREFERENCES**
GO VIKINGS

Restaurant & Bakery
OTHER SERVICES & EQUIPMENT



- Sidewalk
- Driveway
- S# Cross Slope %
- C# Condition Rating
- S# C#** Walk X-slope $\geq 3\%$ and/or Condition ≥ 3
- S# C#** Driveway X-slope $\geq 3\%$ and/or Condition ≥ 3



Level 3 - Door way with steps both sides of quadrant. Side street walk 7' wide. Bump out to the north to achieve Combined Directional or Fan ramps.

Level 3 - Side street walk 7' wide bump out to the north to achieve Combined directional or Fan ramps.

Fan ramp

Fan ramp



rs



FIRST NATIONAL BANK

WENDY'S

Wendy's Area

US-169

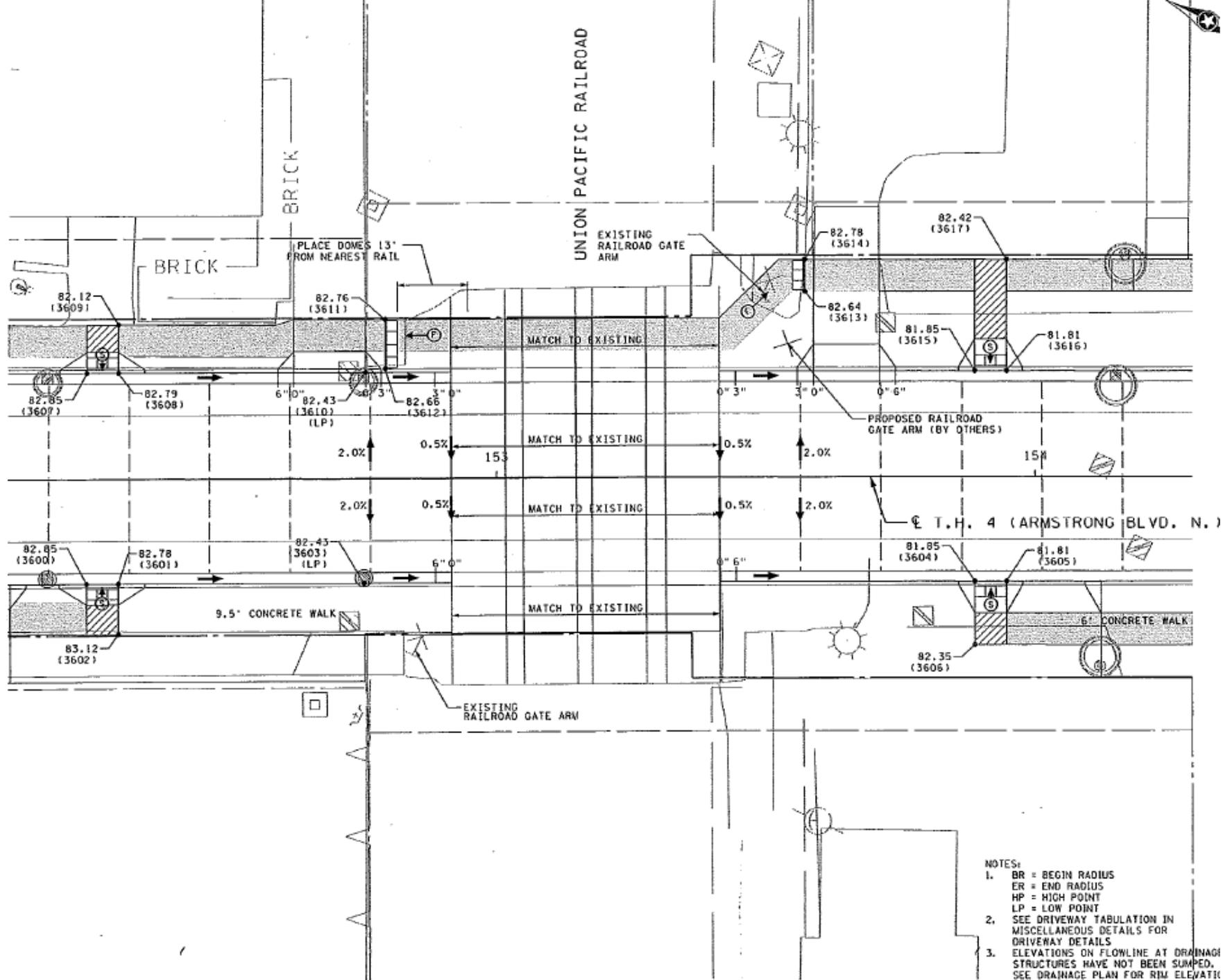


RR Crossings









- NOTES:
- BR = BEGIN RADIUS
ER = END RADIUS
HP = HIGH POINT
LP = LOW POINT
 - SEE DRIVEWAY TABULATION IN MISCELLANEOUS DETAILS FOR DRIVEWAY DETAILS
 - ELEVATIONS ON FLOWLINE AT DRAINAGE STRUCTURES HAVE NOT BEEN SUMPED. SEE DRAINAGE PLAN FOR RIM ELEVATIONS