### DI THE COMPOSE

PLAN SYMBOLS		
STATE LINE COUNTY LINE TOWNSHIP OR RANGE LINE SECTION LINE QUARTER LINE SIXTEENTH LINE RIGHT-OF-WAY LINE PRESENT RIGHT-OF-WAY LINE CONTROL OF ACCESS LINE PROPERTY LINE (Except Land Lines) VACATED PLATTED PROPERTY CORPORATE OR CITY LIMITS		R AL ACADON N. HOLL W. HOLL AV.
TRUNK HIGHWAY CENTER LINE RETAINING WALL RAILROAD RIGHT—OF—WAY LINE RIVER OR CREEK DRY RUN DRAINAGE DITCH DRAIN TILE CULVERT DROP INLET GUARD RAIL BARBED WRE FENCE WOVEN WIRE FENCE CHAIN LINK FENCE CHAIN LINK FENCE STONE WALL OR FENCE HEDGE RAILROAD CROSSING SIGN RAILROAD CROSSING BELL ELECTRIC WARNING SIGN CROSSING GATE MEANURE FENCE MEANURE SIGN RAILROAD CROSSING SIGN	SIZE DT O P O P O P O P O P O P O P O P O P O	b
SPRINGS MARSH TIMBER ORCHARD BRUSH NURSERY  CATCH BASIN FIRE HYDRANT GATE VALVE SANITARY SEWER MANHOLE	(TIMBER)	Ď,
STORM SEWER MANHOLE  OVERPASS (Highway Over)  UNDERPASS (Highway Under)  BRIDGE  BUILDING (One Story Frame)		y = = = = =
BUILDING (One Story Frame) F-FRAME C-CONCRETE S-STONE T-TILE B-BRICK ST-STUCCO  IRON PIPE OR ROD MONUMENT (STONE, CONCRETE, OR M WOODEN HUB GRAVEL PIT ROCK QUARRY MAILBOX SIGN UTILITY SYMBOLS  POWER POLE LINE TELEPHONE OR TELEGRAPH POLE LINE JOINT TELEPHONE AND POWER ON POWER POLES	© (S)	
NO TELEPHONE POLES  POWER POLE  ANCHOR  STEEL TOWER  STREET LIGHT  PEDESTAL (TELEPHONE CABLE TERMIN  GAS MAIN  WATER MAIN  CONDUIT  TELEPHONE CABLE IN CONDUIT  ELECTRIC CABLE IN CONDUIT  TELEPHONE MANHOLE  ELECTRIC MANHOLE  BURIED TELEPHONE CABLE  BURIED TELEPHONE CABLE  BURIED TELEVISION CABLE  BURIED FIBER OPTIC  SEWER, (SANITARY)  SEWER, (STORM)  SEWER MANHOLE	£	



# CITY OF PLYMOUTH

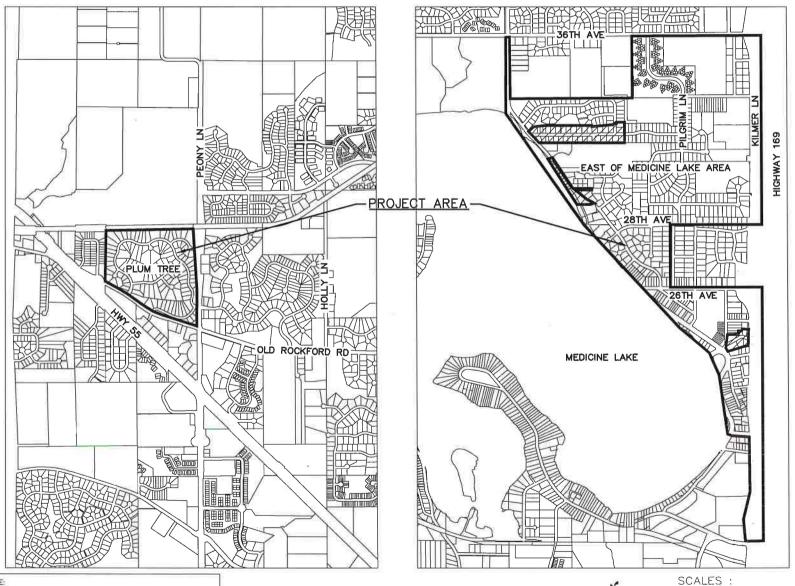
HENNEPIN COUNTY, MINNESOTA

CONSTRUCTION PLANS FOR:

BITUMINOUS PATCHING, CONCRETE CURB & GUTTER, CONCRETE PEDESTRIAN RAMPS AND TURF ESTABLISHMENT.

## 2019 PEDESTRIAN RAMP & CONCRETE REPLACEMENT

CITY PROJECT NO. ST199002.001



THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, WATER, ETC. ARE UNKNOWN, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITIES BEFORE COMMENCING EXCAVATION.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL QUALITY D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM AND BE INSTALLED IN ACCORDANCE WITH THE, "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD) AND PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".

GOPHER STATE ONE CALL: (651) 454-0002

### \_\_\_\_\_50' PLAN

(PLAN) \_\_\_\_\_\_30\* PROFILE \_\_\_\_\_ HORIZ. \_\_\_\_\_50' (X PROFILE) \_\_\_\_\_ HORIZ \_\_\_\_\_\_ 30' VERT. \_\_\_\_5 X-SECTIONS \_\_HORIZ \_\_\_\_\_10\*

VERT. 5'

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION THE MOST CURRENT, "STANDARD SPECIFICATIONS FOR CONSTRUCTION" THE MOST CURRENT CITY OF PLYMOUTH, "ENGINEERING GUIDELINES", AND THE CONTRACT DOCUMENTS, INCLUDING THE SPECIAL PROVISIONS, SHALL GOVERN, ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

GOVERNING SPECIFICATIONS:

#### INDEX:

#### SHEET NO. SHEET DESCRIPTION

TITLE

2 DETAILS

ADA STANDARD PLANS

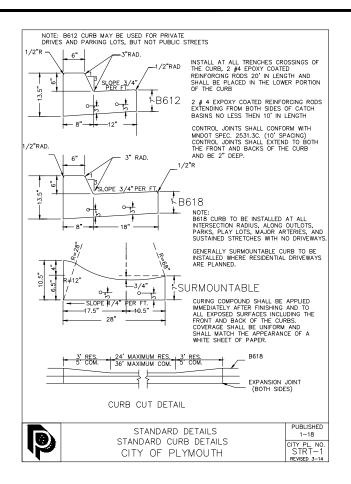
9 PEDESTRIAN RAMP PLANS

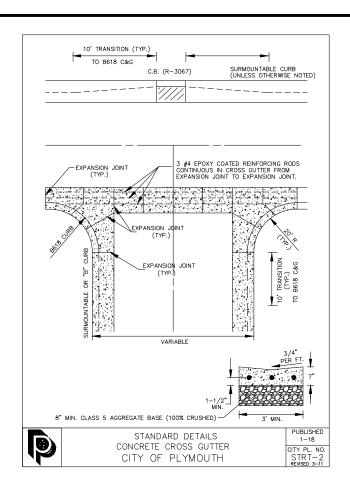
BITUMINOUS REMOVAL

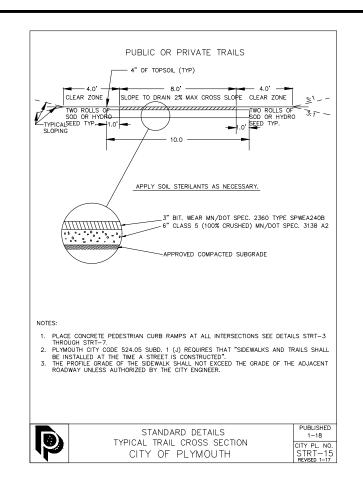
THIS PLAN SET CONTAINS 10 SHEETS

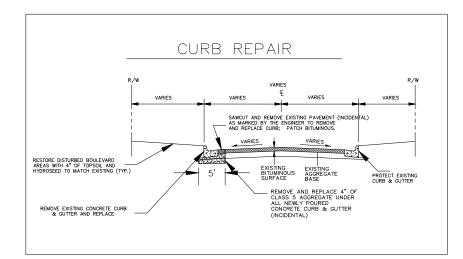
NOT IN PROJECT AREA

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. MICHAEL J. PAYNE, P.E., ASSISTANT CITY ENGINEER \_ Date Copre (18 Reg. No .\_ 50484 SHEET Plymouth CITY PROJECT NO. OF ST199002.001 10









#### NOTES:

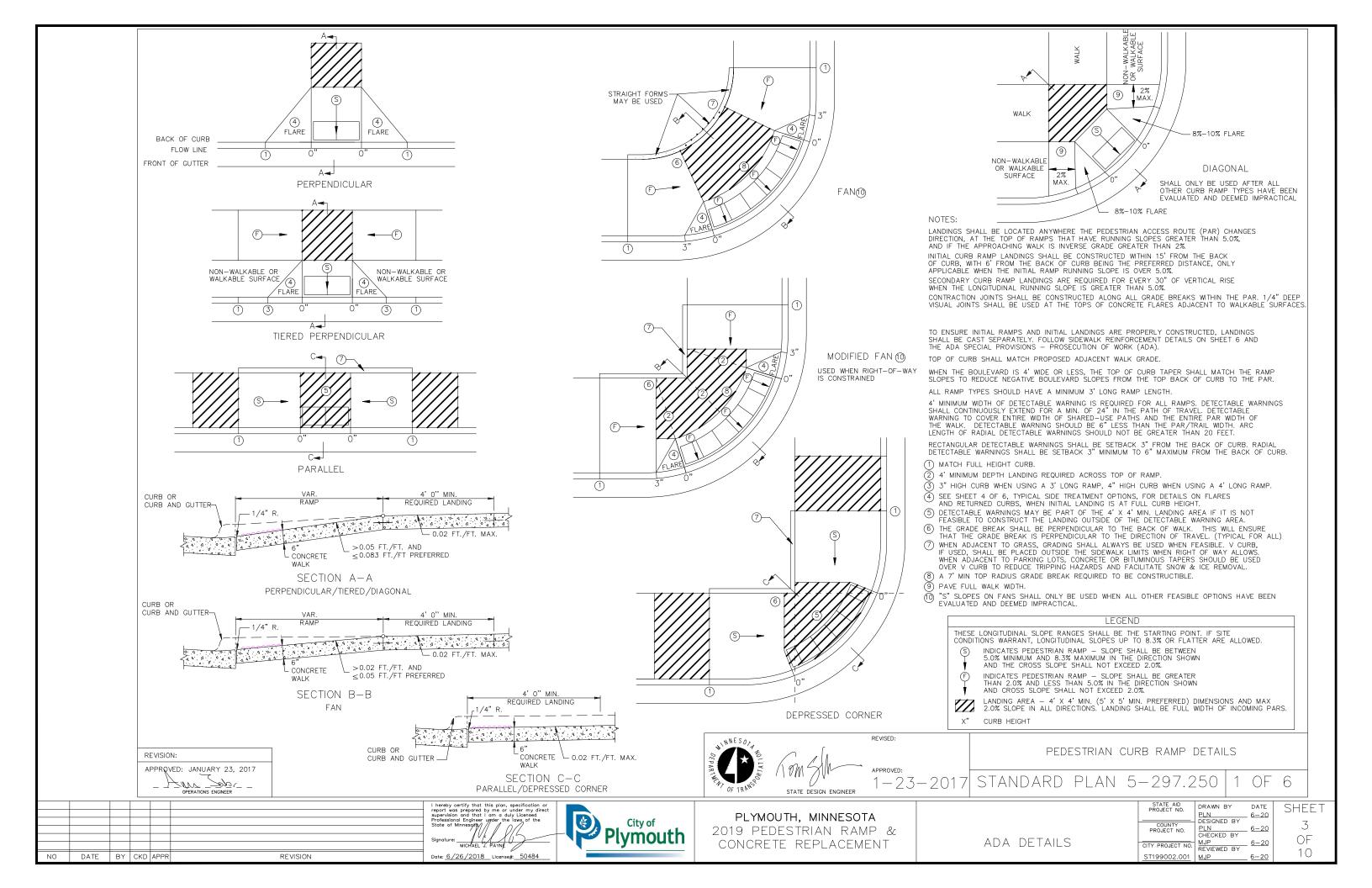
- 1. ACCESS TO LOCAL RESIDENTS MUST BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION.
- 2. A MINIMUM OF 48 HRS. NOTICE IS REQUIRED FOR ALL SURVEY STAKING REQUESTS.
- 3. ALL EXCAVATED MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
- 4. CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL, ADDRESSING ANY TEMPORARY CLOSURES OR DETOURS. REVIEW IS REQUIRED BY THE CITY OF PLYMOUTH.
- 5. TRAFFIC CONTROL MUST BE PROPERLY MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE MNDOT TEMPORARY TRAFFIC CONTROL LAYOUTS BOOKLET.
- 6. ALL PAVEMENT, INCLUDING DRIVEWAYS ARE TO BE SAW CUT AT THE MATCH POINT (INCIDENTAL).
- 7. CURB AND GUTTER TO BE REMOVED SHALL BE MARKED IN THE FIELD BY THE ENGINEER.
- 8. ALL DISTURBED AREAS SHALL BE HYDROSEEDED WITH MNDOT MIX 25-151 (INCIDENTAL).

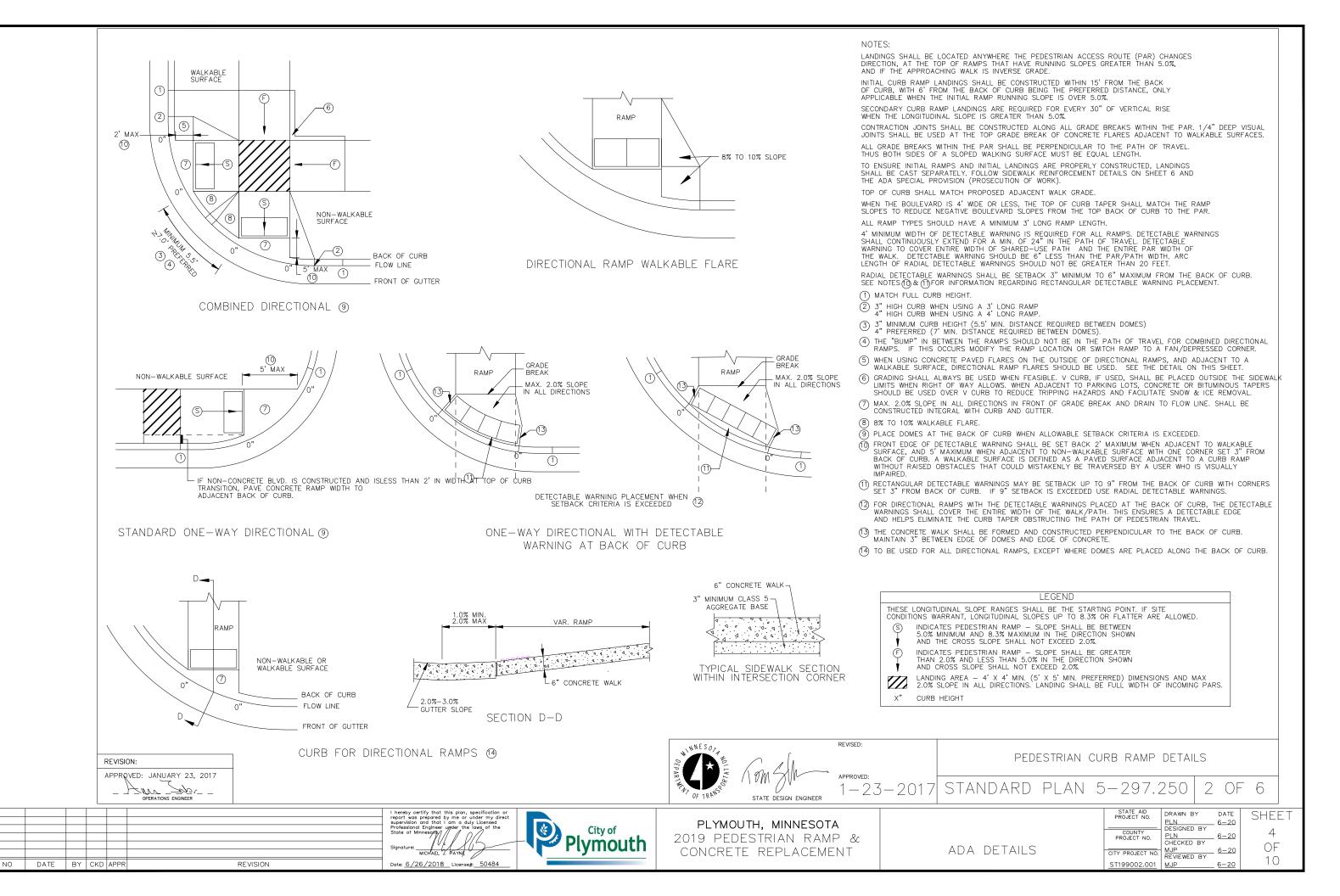


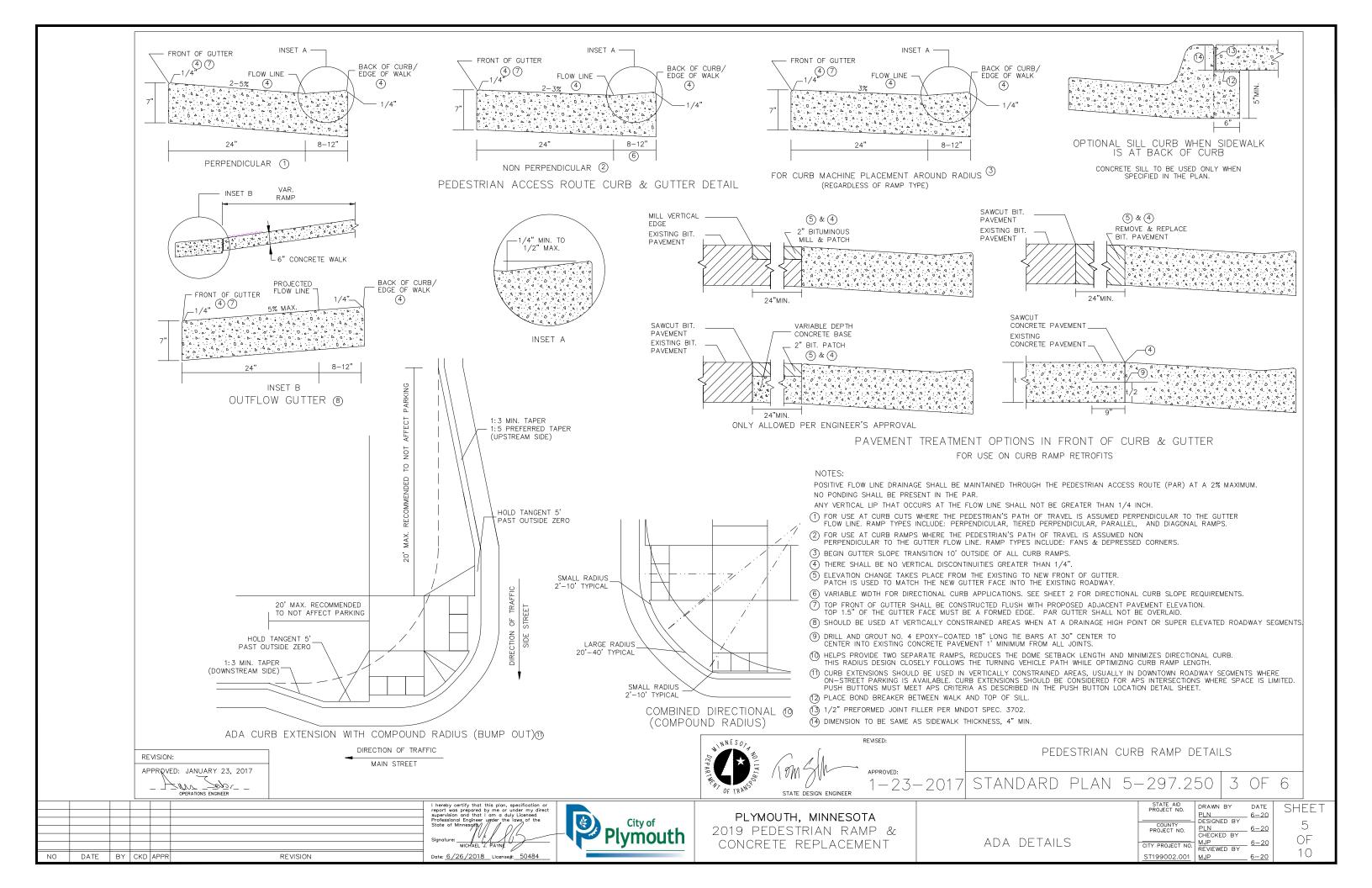
PLYMOUTH, MINNESOTA 2019 PEDESTRIAN RAMP & CONCRETE REPLACEMENT

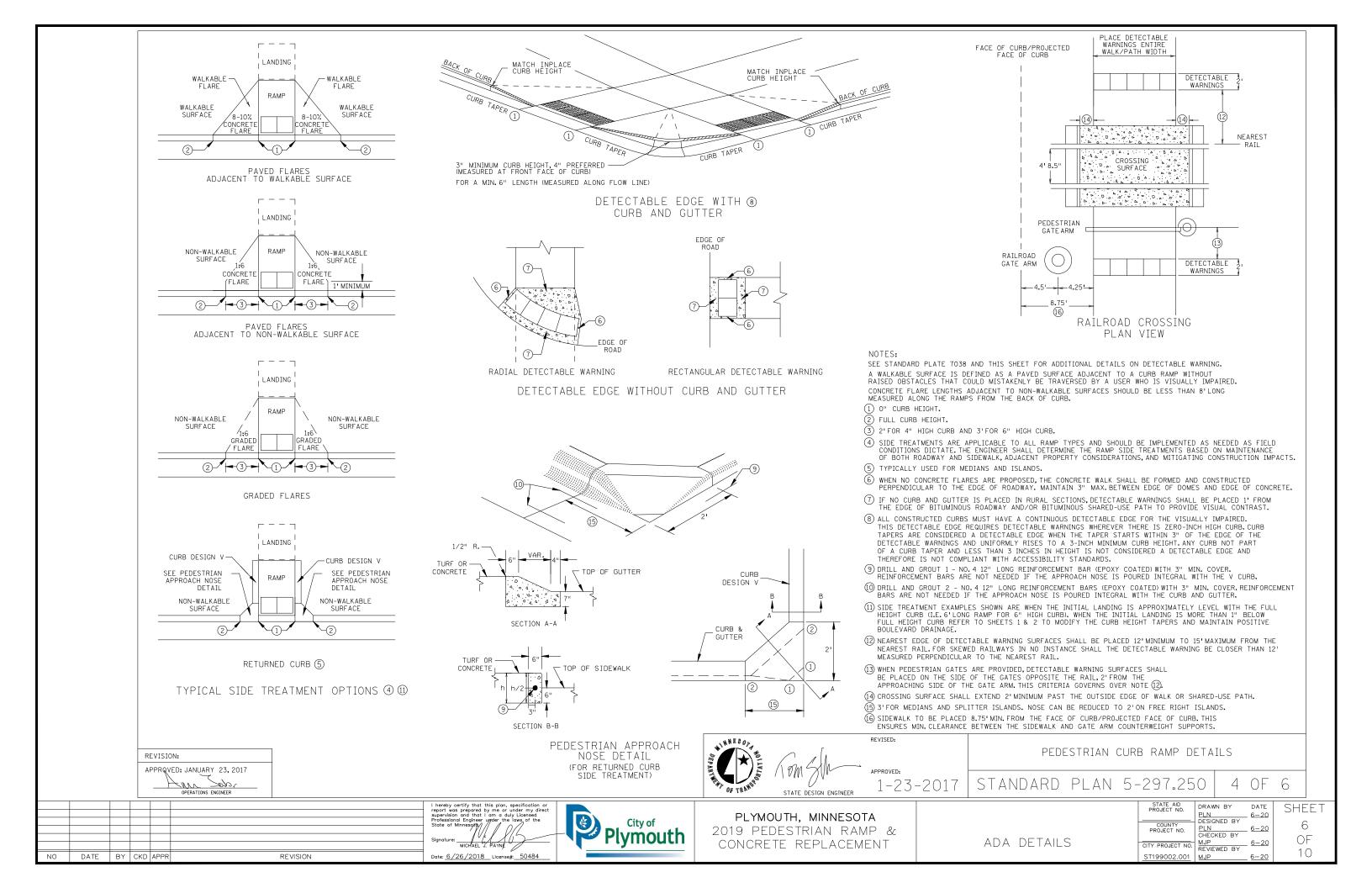
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PROJECT NO.	CHECKED BY	0-20	0-
CITY PROJECT NO.	MJP REVIEWED BY	6-20	10
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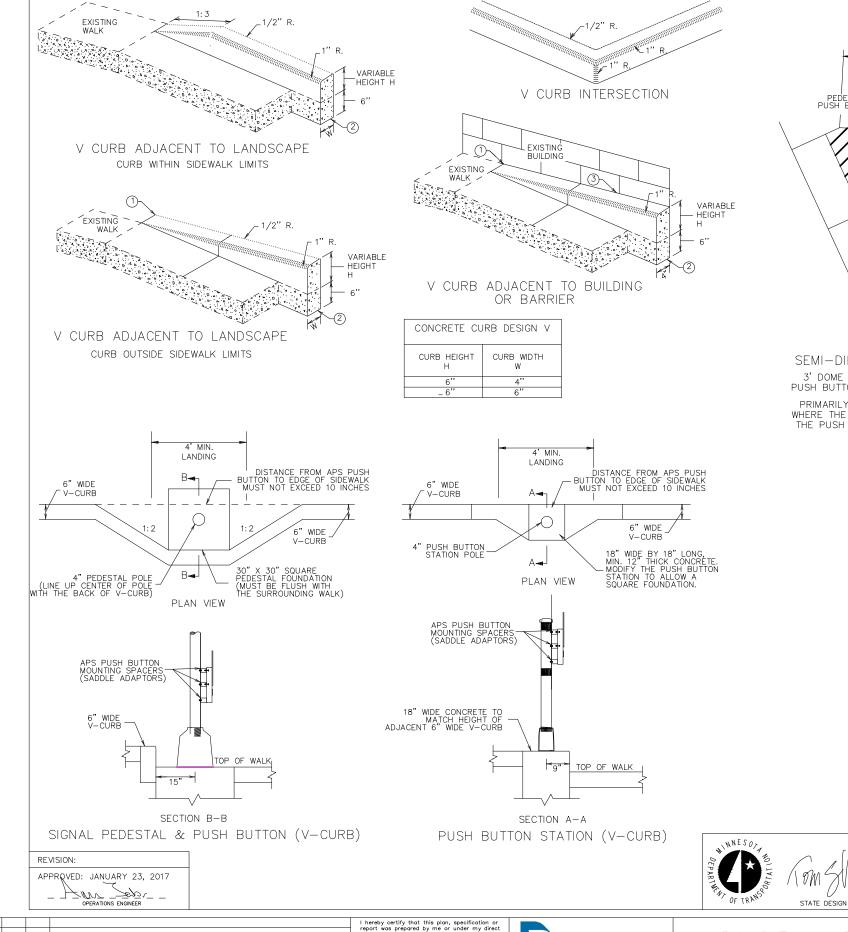
DETAILS

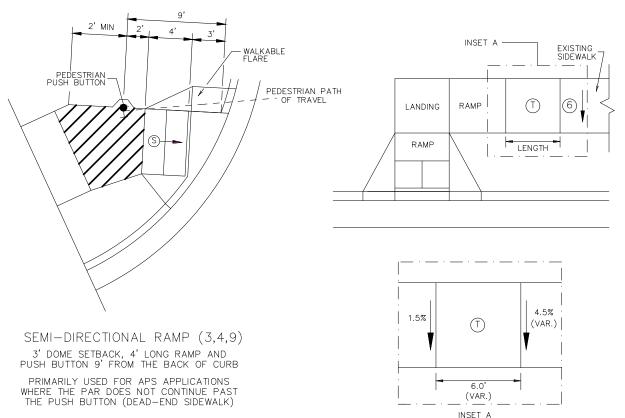












A WALKABLE FLARE IS AN 8-10% CONCRETE FLARE THAT IS REQUIRED WHEN THE FLARE IS ADJACENT TO A WALKABLE SURFACE, OR WHEN THE PEDESTRIAN PATH OF TRAVEL OF A PUSH BUTTON TRAVERSES THE FLARE.

ALL V CURB CONTRACTION JOINTS SHALL MATCH CONCRETE WALK JOINTS.

WHERE RIGHT-OF-WAY ALLOWS, USE OF V CURB SHOULD BE MINIMIZED. GRADING ADJACENT TURF OR SLOPING ADJACENT PAVEMENT IS PREFERRED.

V CURB SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. V CURB NEXT TO BUILDING SHALL BE A 4" WIDTH AND SHALL MATCH PREVIOUS TOP

- (1) END TAPERS AT TRANSITION SECTION SHALL MATCH INPLACE SIDEWALK GRADES.
- (2) ALL V CURB SHALL MATCH BOTTOM OF ADJACENT WALK.
- 3 EDGE BETWEEN NEW V CURB AND INPLACE STRUCTURE SHALL BE SEALED AND BOND BREAKER SHALL BE USED BETWEEN EXISTING STRUCTURE AND PLACED V-CURB.
- 4 THE MAX. RATE OF CROSS SLOPE TRANSITIONING IS 1' LINEAR FOOT OF SIDEWALK PER HALF PERCENT CROSS SLOPE. WHEN PAR WIDTH IS GREATER THAN 6' OR THE RUNNING SLOPE IS GREATER THAN 5%, DOUBLE THE CALCULATED TRANSITION LENGTH.
- $\stackrel{\textstyle (5)}{}$  transition panels are to only be used after the ramp, or if needed, landing are at the full curb height (typical section).
- (6) EXISTING CROSS SLOPE GREATER THAN 2.0%.

#### 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%.
- 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.
  - TRANSITION PANEL(S) TO BE USED FOR TRANSITIONING THE CROSS—SLOPE OF A RAMP TO THE EXISTING WALK CROSS—SLOPE. RATE OF TRANSITION SHOULD BE 0.5% PER 1 LINEAR FOOT OF WALK. SEE THIS SHEET FOR ADDITIONAL INFORMATION.



23 - 2017

REVISED:

PEDESTRIAN CURB RAMP DETAILS

TRANSITION PANEL 45

STANDARD PLAN 5-297.250 5 OF 6

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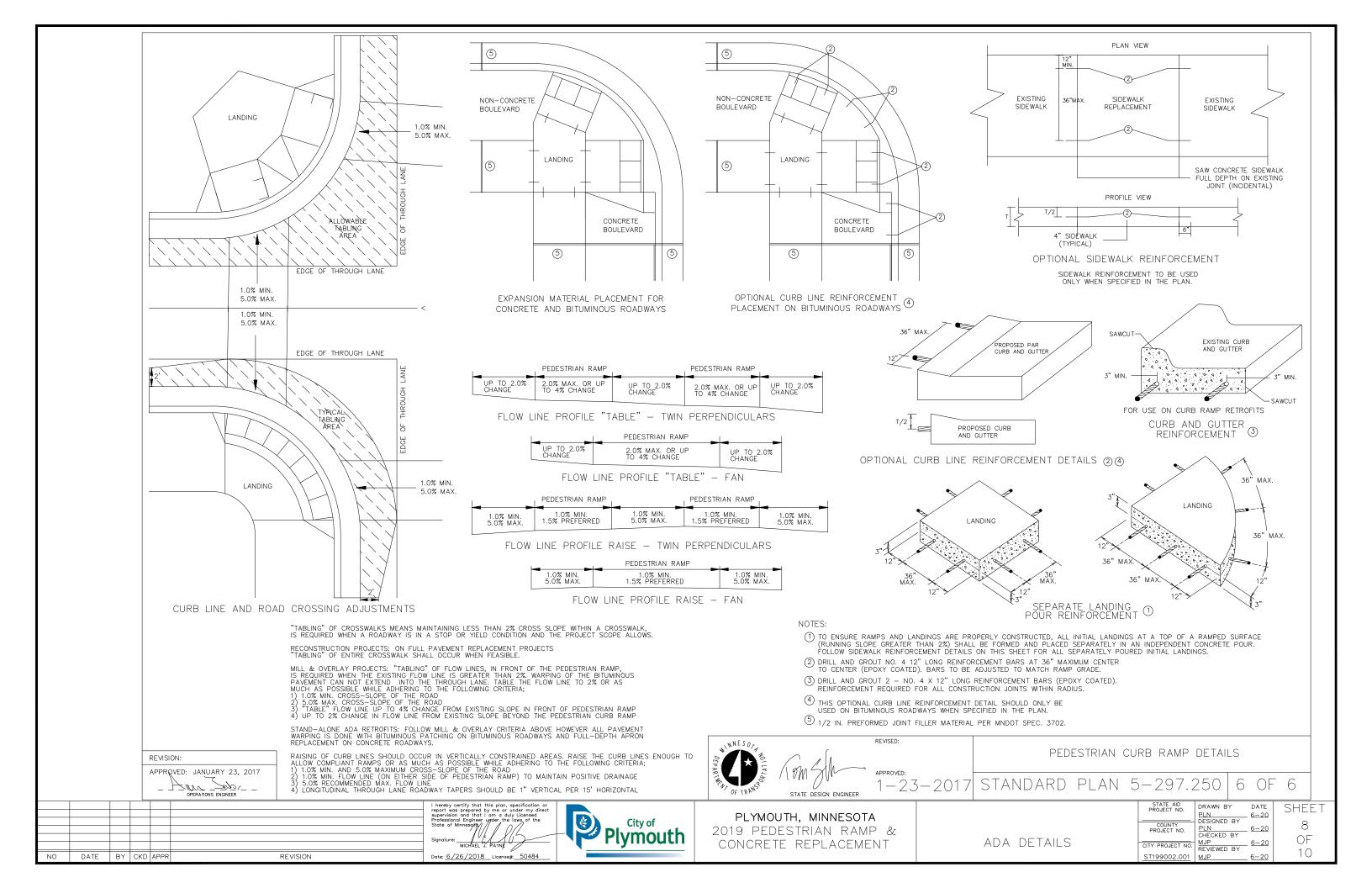


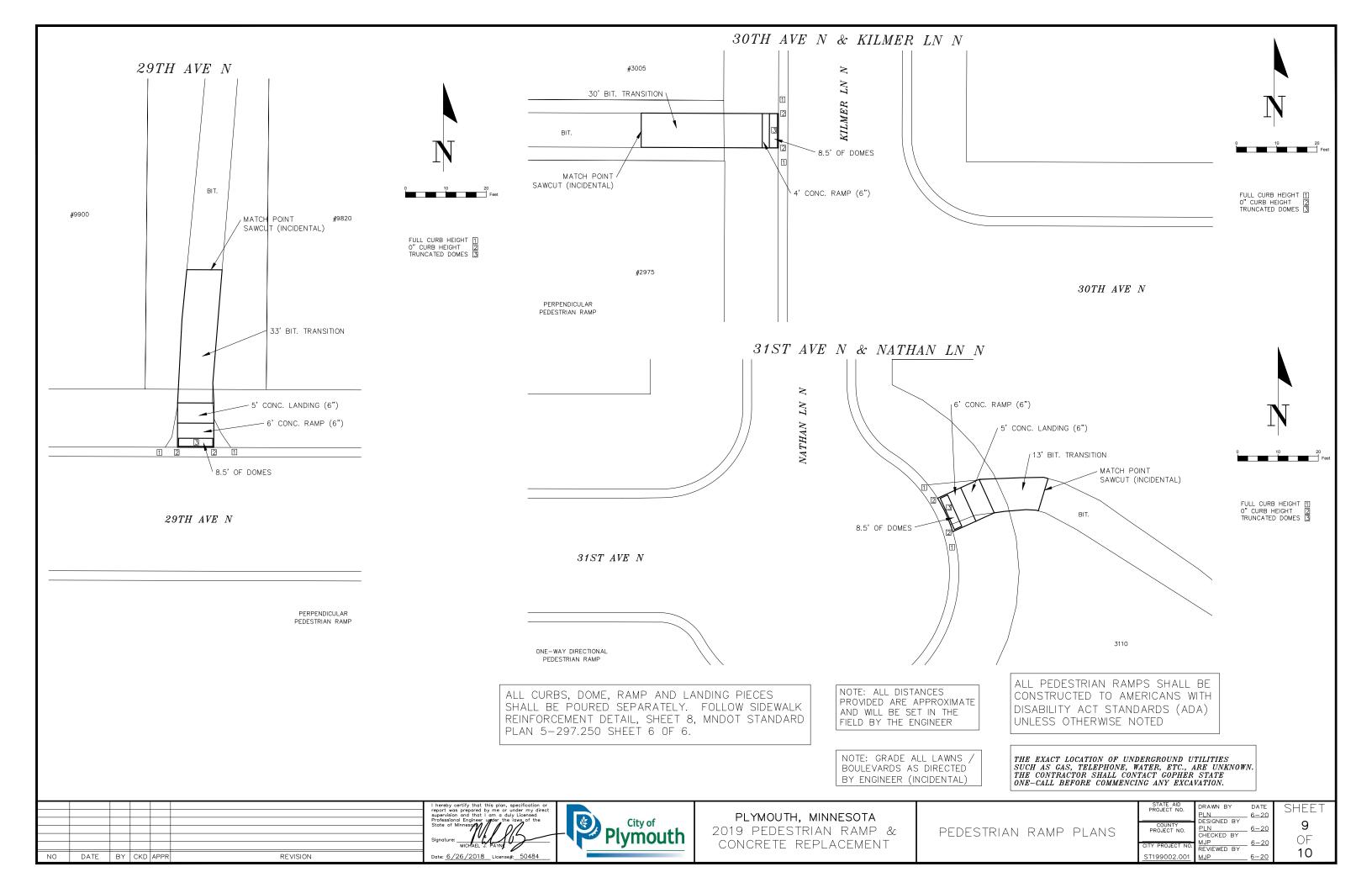


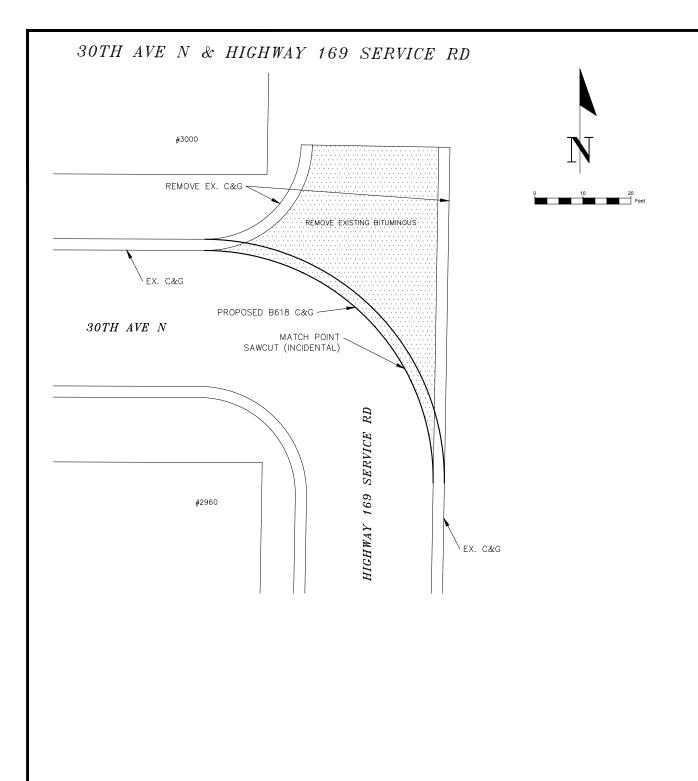
PLYMOUTH, MINNESOTA 2019 PEDESTRIAN RAMP & CONCRETE REPLACEMENT

ADA DETAILS

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NOTE: ALL DISTANCES
PROVIDED ARE APPROXIMATE
AND WILL BE SET IN THE
FIELD BY THE ENGINEER

NOTE: GRADE ALL LAWNS / BOULEVARDS AS DIRECTED BY ENGINEER (INCIDENTAL) THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS CAS, TELEPHONE, WATER, ETC., ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE-CALL BEFORE COMMENCING ANY EXCAVATION.

I hereby certify that this plan, specification report was prepared by me or under my supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesorium and Mindel I am a duly Licensed Professional Engineer under the laws of the State of Minnesorium and Mindel I am a duly Licensed Professional Engineer under the laws of the State of Minnesorium and Mindel I am a duly Licensed I am a d			
Professional Engineer under the laws of th State of Minnesoft  Signature:  MICHAEL J. PAYNE			report was prepared by me or under my o
MICHAEL Y BAYNY			Professional Engineer upder the laws of th
			Signature:
NO DATE BY CKD APPR REVISION Date: 6/26/2018 License#: 50484			MICHAEL J. PAYNE
	NO DATE BY CKD APPR	REVISION	Date: <u>6/26/2018</u> License#: <u>5048</u> 4



PLYMOUTH, MINNESOTA 2019 PEDESTRIAN RAMP & CONCRETE REPLACEMENT

BITUMINOUS REMOVAL

STATE AID PROJECT NO.	DRAWN BY PLN	DATE 6-20	SHEET
COUNTY PROJECT NO.	DESIGNED BY PLN	6-20	10
CITY PROJECT NO.	CHECKED BY	6-20	OF
ST199002.001	REVIEWED BY MJP	6-20	10