

PLAN OF PROPOSED IMPROVEMENT

OAKES RD. TO STH 31

STATE PROJECT NUMBER

2250-15-70

FINAL SCOPING PLAN
11/01/2019

ORDER OF SHEETS

TOTAL SHEETS =

DESIGN DESIGNATION

CONVENTIONAL SYMBOLS

PLAN

PROFILE

GRADE ELEVATION

CULVERT (Profile View)

UTILITIES

ELECTRIC

FIBER OPTIC

SANITARY SEWER

STORM SEWER

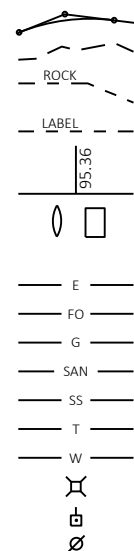
TELEPHONE

WATER

UTILITY PEDESTAL

POWER POLE

TELEPHONE POLE



T-3-N

R-22-E

R-23-E

BEGIN PROJECT

STA 315+74.34

X=615949.53

$$Y=183091.18$$

STRUCTURE C-51-0046

STA 326+67.45

NET EXCEPTION TO CL LENGTH

STA 383+23 - STA 392+00

END PROJECT

STA 395+65

X=623914.86

$$Y=182986.62$$

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 1.347 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), RACINE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2007). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

E

GENERAL NOTES - TO BE COMPLETED BY PDS

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

UTILITY CONTACTS

AT&T LOCAL NETWORK - COMMUNICATION LINE

SANDRA FALATYK
6070 N. FLINT RD.
GLENDALE, WI 53209
(414) 459-3565
S.Falatyk@northwindtech.com

AT&T WISCONSIN - COMMUNICATION LINE

MIKE VANBOVEN
411 7TH ST.
RACINE, WI 53403
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MV3658@ATT.COM

ATC MANAGEMENT - ELECTRICITY TRANSMISSION

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P.O BOX 6113
DE PERE, WI 54115
(920) 338-6582
molsen@atcllc.com

CHARTER COMMUNICATIONS - COMMUNICATION LINE

PETE KRUZELA
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MILWAUKEE, WI 53212
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wis.engineering@charter.com

CITY OF RACINE - ROAD, SEWER, LIGHTING FACILITIES

JOHN ROONEY
730 WASHINGTON AVE, ROOM 304.
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(262) 636-9166
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CITY OF RACINE - WATER

KEITH HAAS
800 CENTER ST.
RACINE, WI 53403
(262) 636-9434

keith.haas@cityofracine.org

FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION LINE

RUSS RYAN
118 DIVISION ST.
PLYMOUTH, WI 53073
(920) 583-3275
Russell.w.ryan@ftr.com

NETWORK RELOCATIONS - COMMUNICATION LINE

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BROOMFIELD, CO 80021
NationalRelo@centurylink.com

MIDWEST FIBER NETWORKS LLC - COMMUNICATION LINE

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MOUNT PLEASANT STORM WATER DISTRICT 1 - SEWER

TONY BEYER
8811 CAMPUS DR.
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tbeyer@mtpleasantwi.gov

PAE TEC COMMUNICATIONS, LLC - COMMUNICATION LINE

MARY FISHER
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BROOKFIELD, WI 53005
(262) 792-7938
Mary.B.Fisher@windstream.com

RACINE WASTEWATER UTILITY - SEWER

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RACINE WATER WORKS COMMISION - WATER

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TDS METROCOM LLC - COMMUNICATION LINE

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VILLAGE OF MOUNT PLEASANT - SEWER AND WATER

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tbeyer@mtpleasantwi.gov

WE ENERGIES - ELECTRICITY, GAS/PETROLEUM

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333 W. EVERETT ST.
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WINDSTREAM KDL, LLC - COMMUNICATION LINE

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(262) 792-7938
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WDNR

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MILWAUKEE, WI 53212
(414) 507-4946
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WISDOT - STREET LIGHTING

ERIC PEREA
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WISDOT - WISCONSIN SIGNAL

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STANDARD ABBREVIATIONS

AGG	AGGREGATE 3.75" LOWER 3 MT 58-28 S	NO	NUMBER
AADT	ANNUAL AVERAGE DAILY TRAFFIC	PAVT	PAVEMENT
ASPH	ASPHALT DRIVEWAY	PERM	PERMANENT
AVG	AVERAGE	PLE	PERMANENT LIMITED EASEMENT
ADT	AVERAGE DAILY TRAFFIC	PT	POINT
BM	BENCH MARK	PCC	PORTLAND CEMENT CONCRETE
CB	CATCH BASIN	PROJ	PROJECT
C/L	CENTERLINE	PL	PROPERTY LINE
CONC	CONCRETE	R/L	REFERENCE LINE
CO	COUNTY	RT	RIGHT
CTH	COUNTY TRUNK HIGHWAY	R/W	RIGHT-OF-WAY
CWT	HUNDREDWEIGHT	RD	ROAD
CY	CUBIC YARD	RDWY	ROADWAY
DHV	DESIGN HOUR VOLUME	SEC	SECTION
DIA	DIAMETER	SHLDR	SHOULDER
E	EAST	SW	SIDEWALK
X	EAST GRID COORDINATE	S	SOUTH
ELEC	ELECTRIC	SPECS	SPECIFICATIONS
ELEV	ELEVATION	SF	SQUARE FEET
ESALS	EQUIVALENT SINGLE AXLE LOADS	SY	SQUARE YARD
ESTR	EXISTING SIGN TO REMAIN	STD	STANDARD
EXC	EXCAVATION	SDD	STANDARD DETAIL DRAWINGS
EBS	EXCAVATION BELOW SUBGRADE	STA	STATE TRUNK HIGHWAYS
EXIST	EXISTING	STN	STATION
FT	FOOT	SS	STORM SEWER
GRVL	GRAVEL DRIVEWAY	STR	STRUCTURE OR STRUCTURAL
HORIZ	HORIZONTAL	TEL	TELEPHONE
INL	INLET	TEMP	TEMPORARY
INV	INVERT	TLE	TEMPORARY LIMITED EASEMENT
JCT	JUNCTION	T	TON
LT	LEFT	TYP	TYPICAL
LF	LINEAR FOOT	UG	UNDERGROUND
LS	LUMP SUM	USH	UNITED STATES HIGHWAY
MH	MANHOLE	W	WATER
ML	MATCH LINE	WM	WATER MAIN
N	NORTH	WV	WATER VALVE
Y	NORTH GRID COORDINATE	W	WEST
		YD	YARD

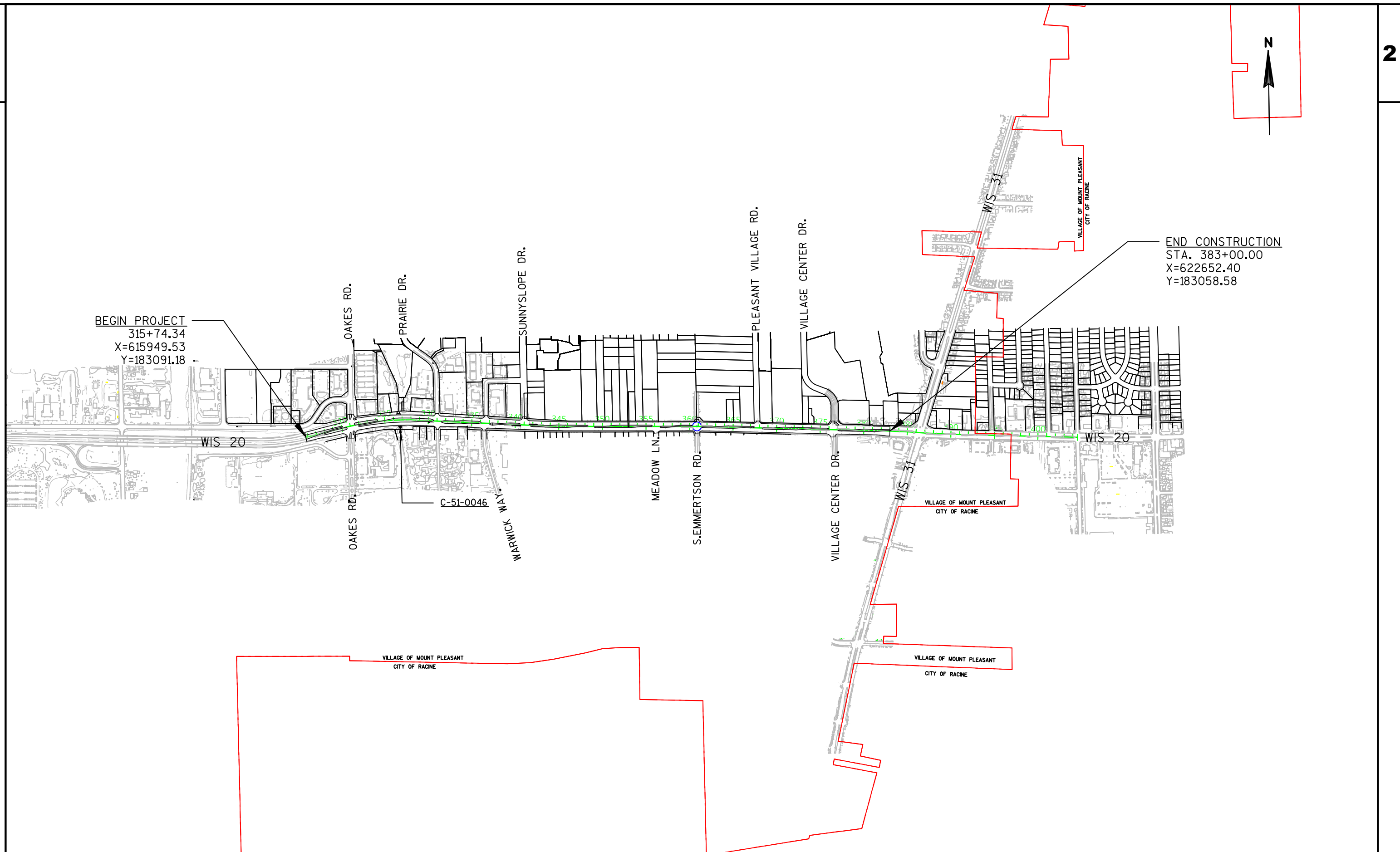
ORDER OF SECTION 2 SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS
- EROSION CONTROL *
- PAVEMENT MARKING *
- TRAFFIC CONTROL *
- ALIGNMENT DETAILS
- CROSS SECTIONS *

* NOT INCLUDED IN FINAL SCOPING PLANS

TOTAL PAVEMENT LAYER THICKNESS	LAYER	NOMINAL MAX AGGREGATE GRADATION	TRAFFIC	ASPHALT BINDER	BINDER DESIGNATION LEVEL





CL



STA 4+75 TO STA 8+00

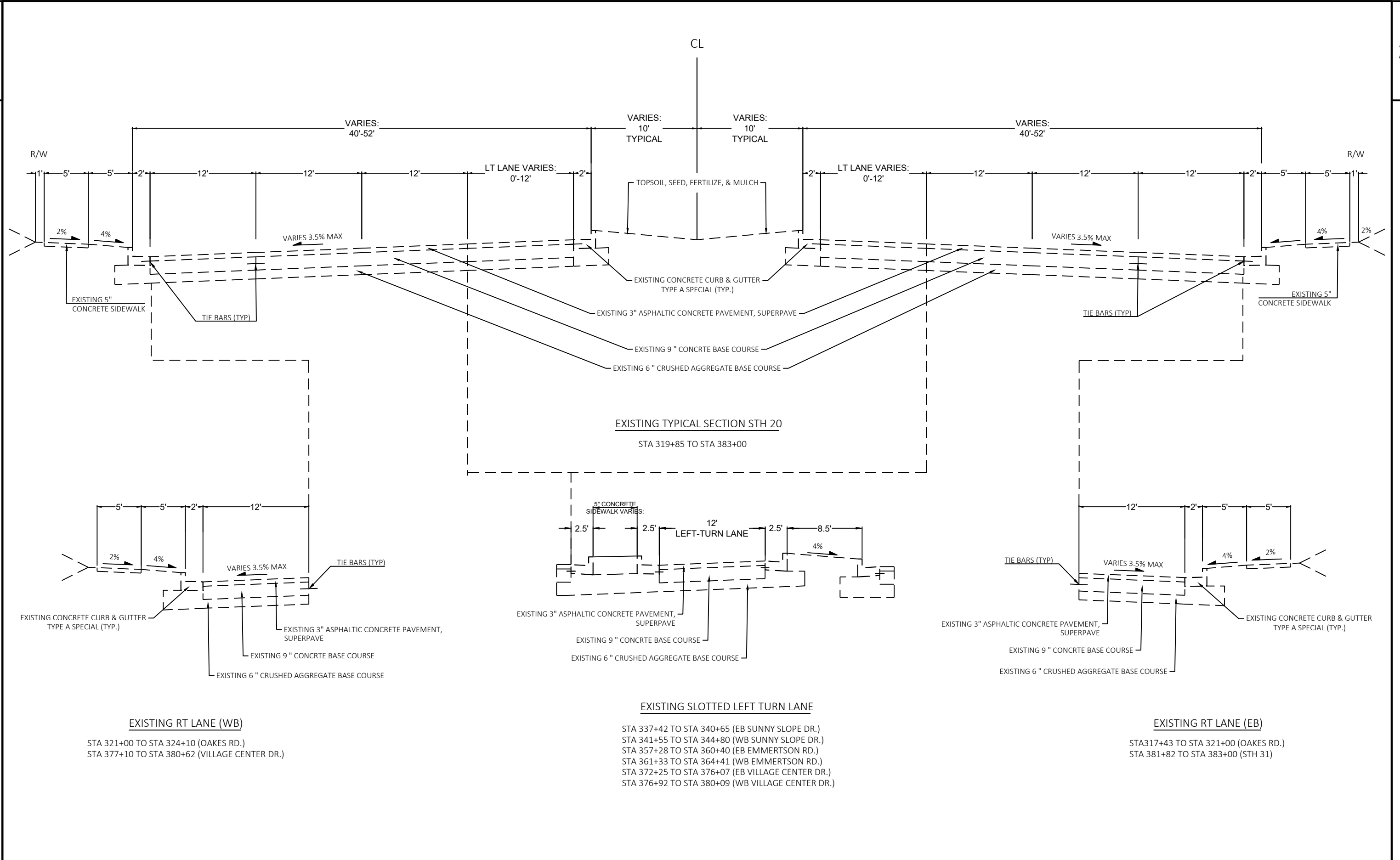
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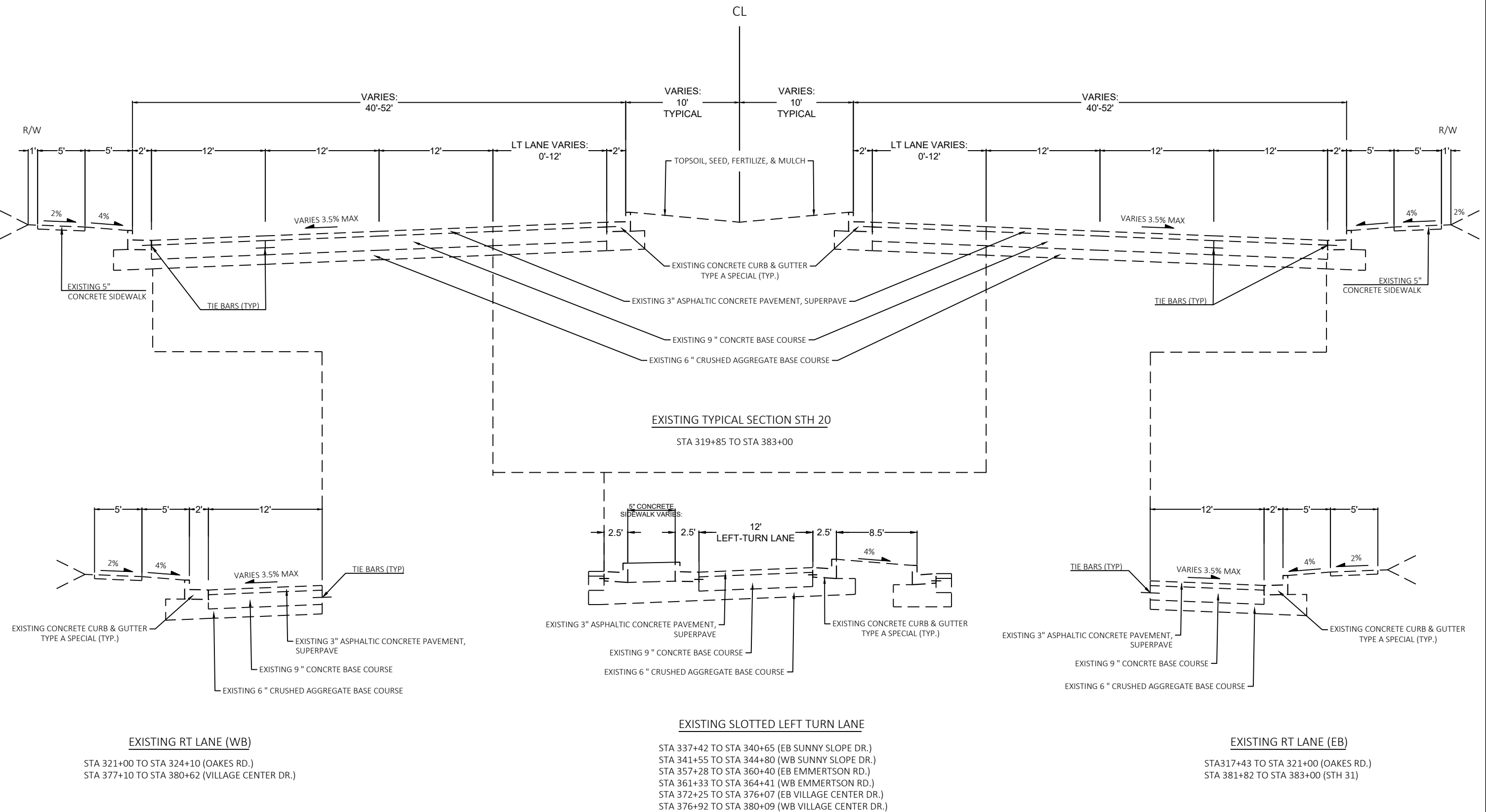


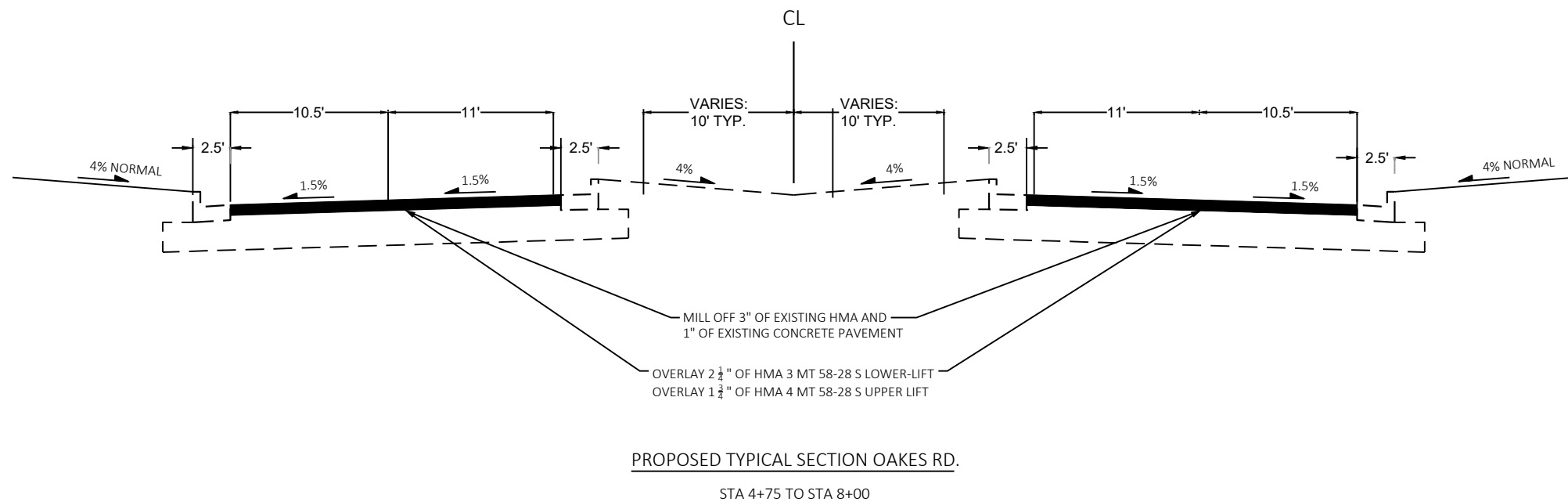
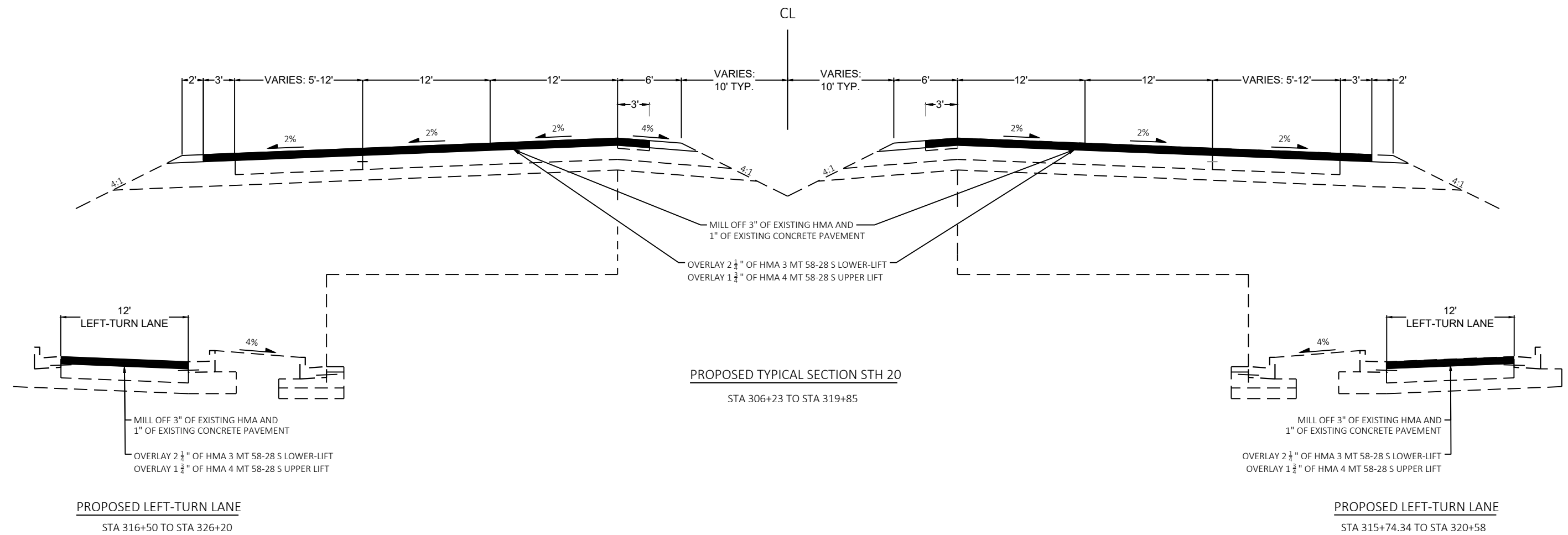
STA 4+75 TO STA 8+00

2

2







PROJECT NO: 2250-15-70

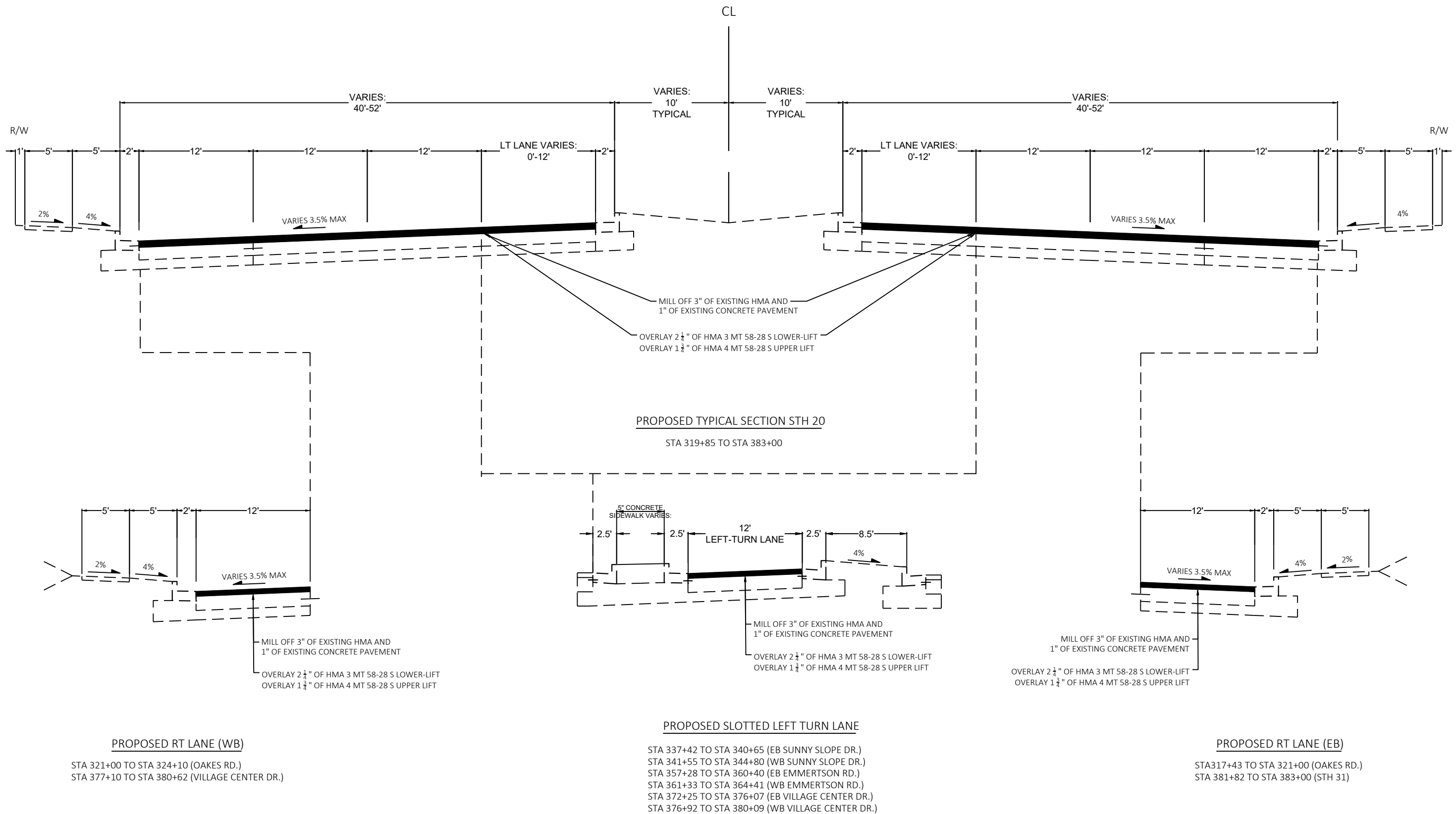
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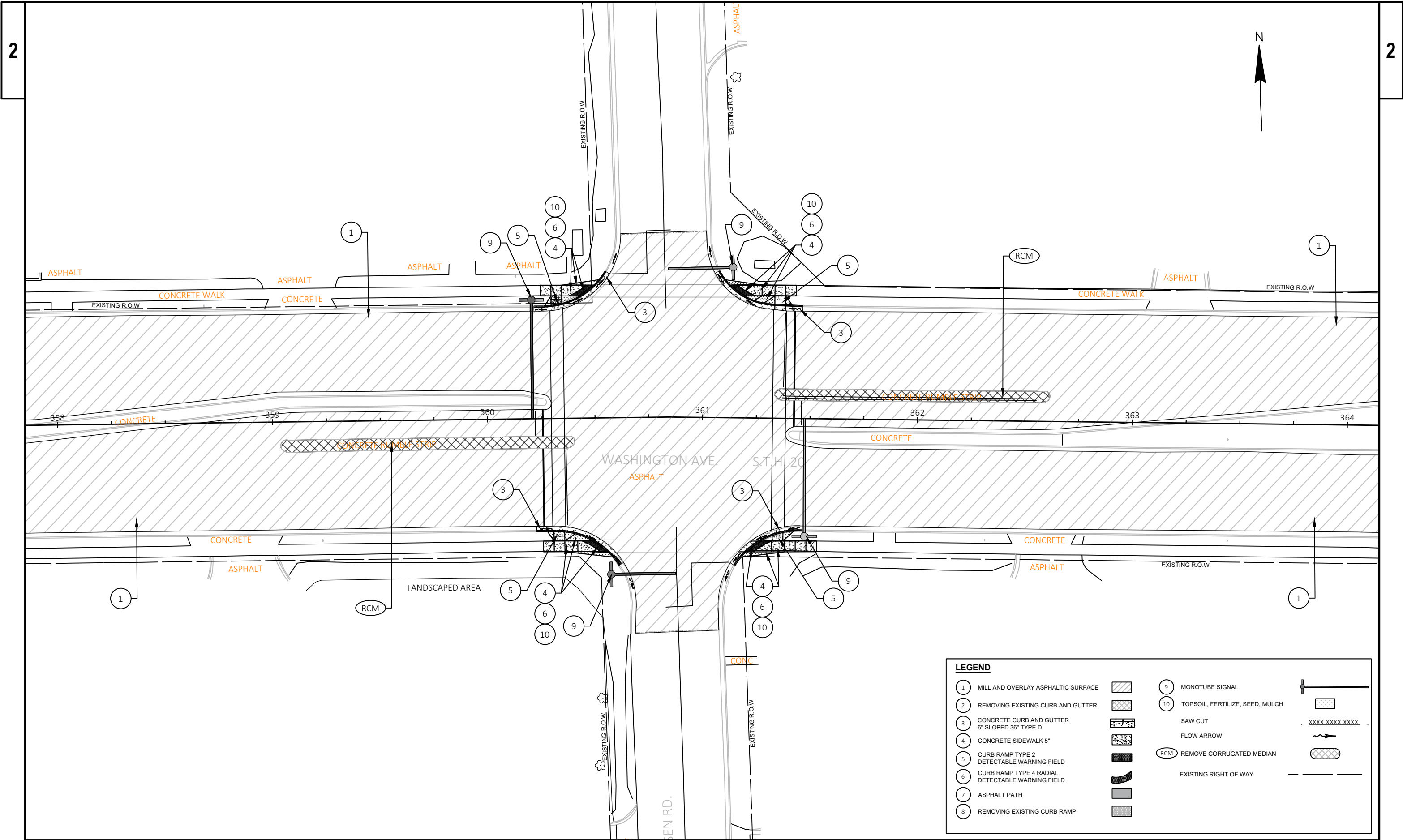
COUNTY: RACINE

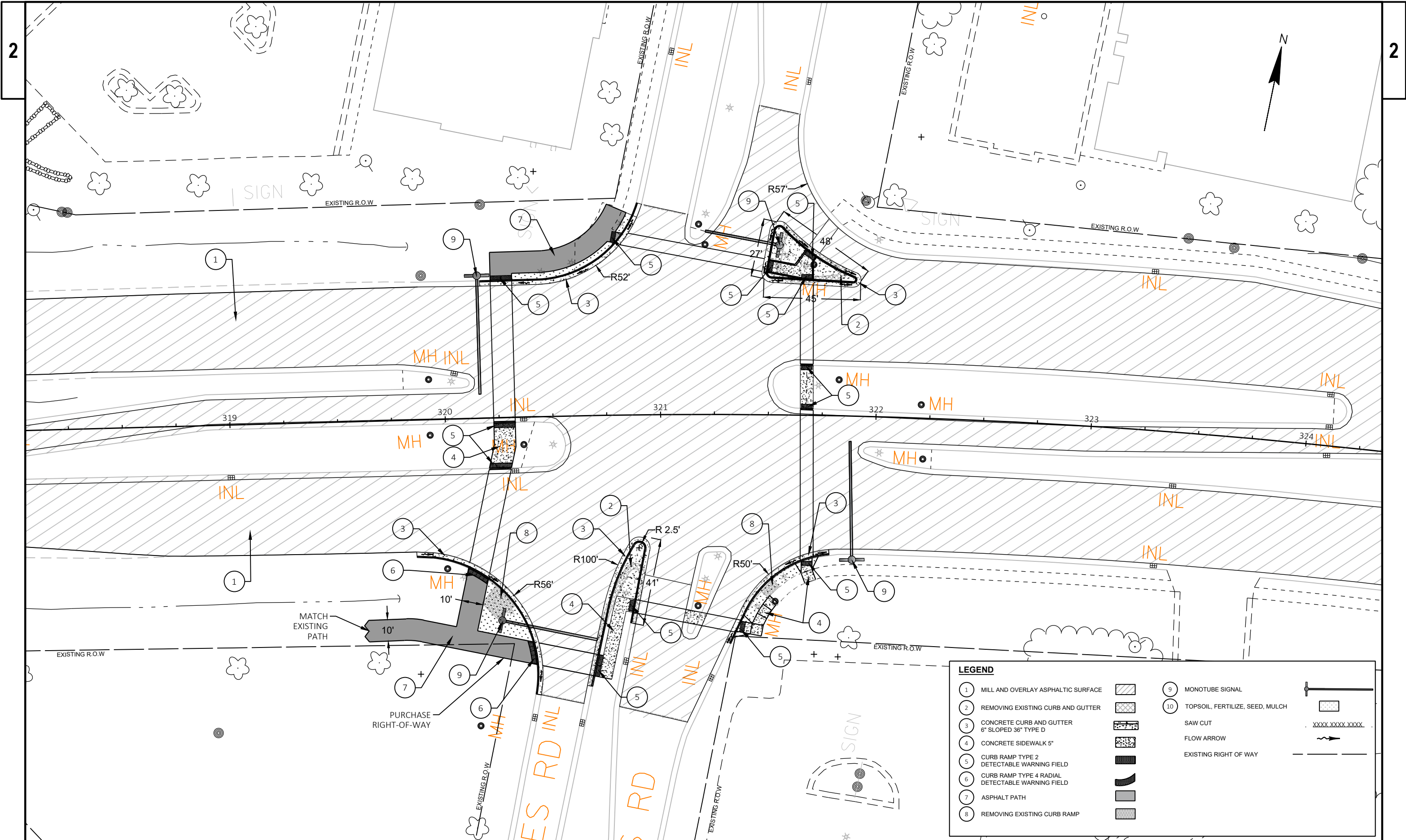
PLAN: PROPOSED TYPICAL SECTION

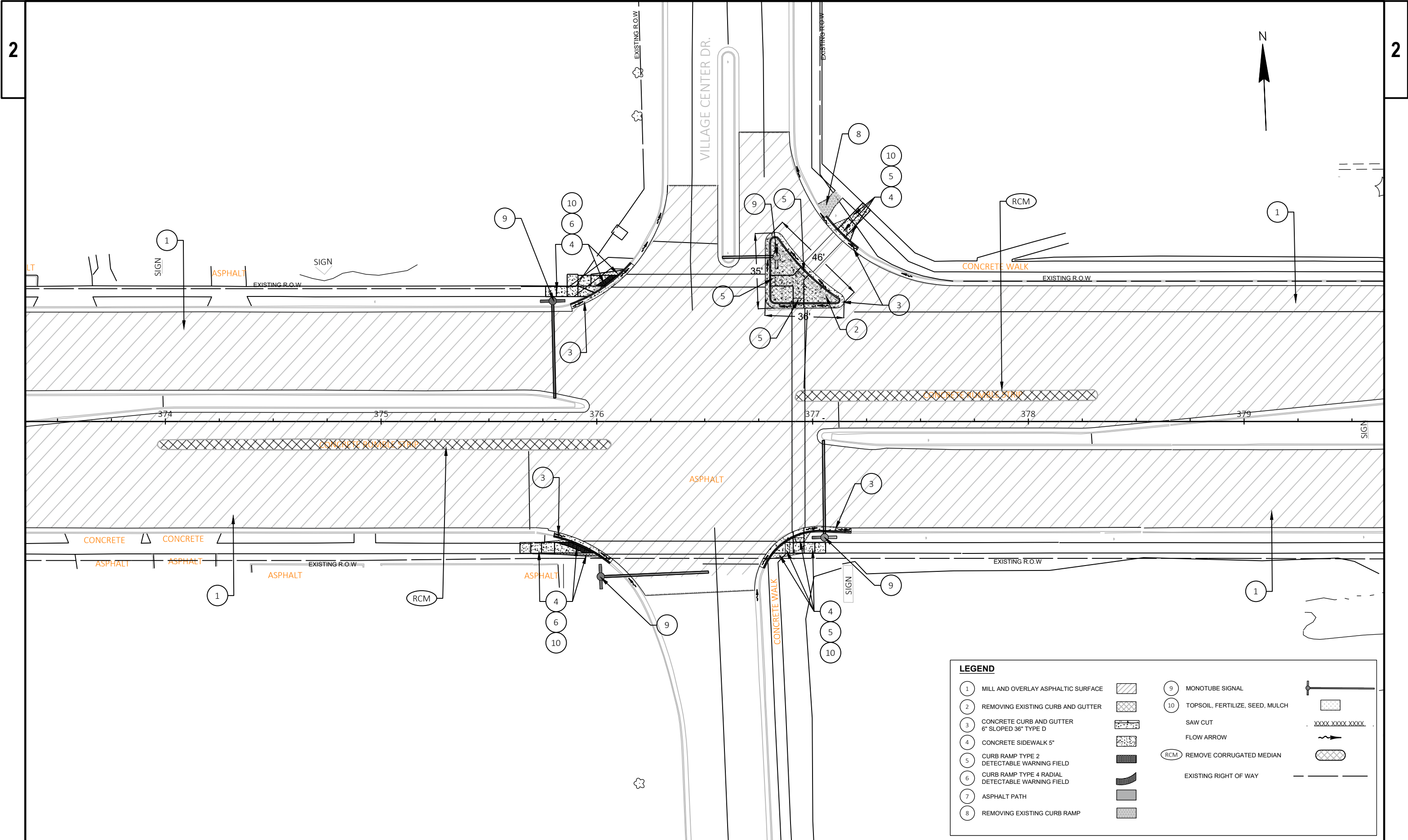
SHEET

E









LEGEND

1

MILL AND OVERLAY ASPHALTIC SURFACE

2

REMOVING EXISTING CURB AND GUTTER

3

CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D

4

CONCRETE SIDEWALK 5"

5

CURB RAMP TYPE 2
DETECTABLE WARNING FIELD

6

CURB RAMP TYPE 4 RADIAL
DETECTABLE WARNING FIELD

7

ASPHALT PATH

8

REMOVING EXISTING CURB RAMP

9

MONOTUBE SIGNAL

10

TOPSOIL, FERTILIZE, SEED, MULCH

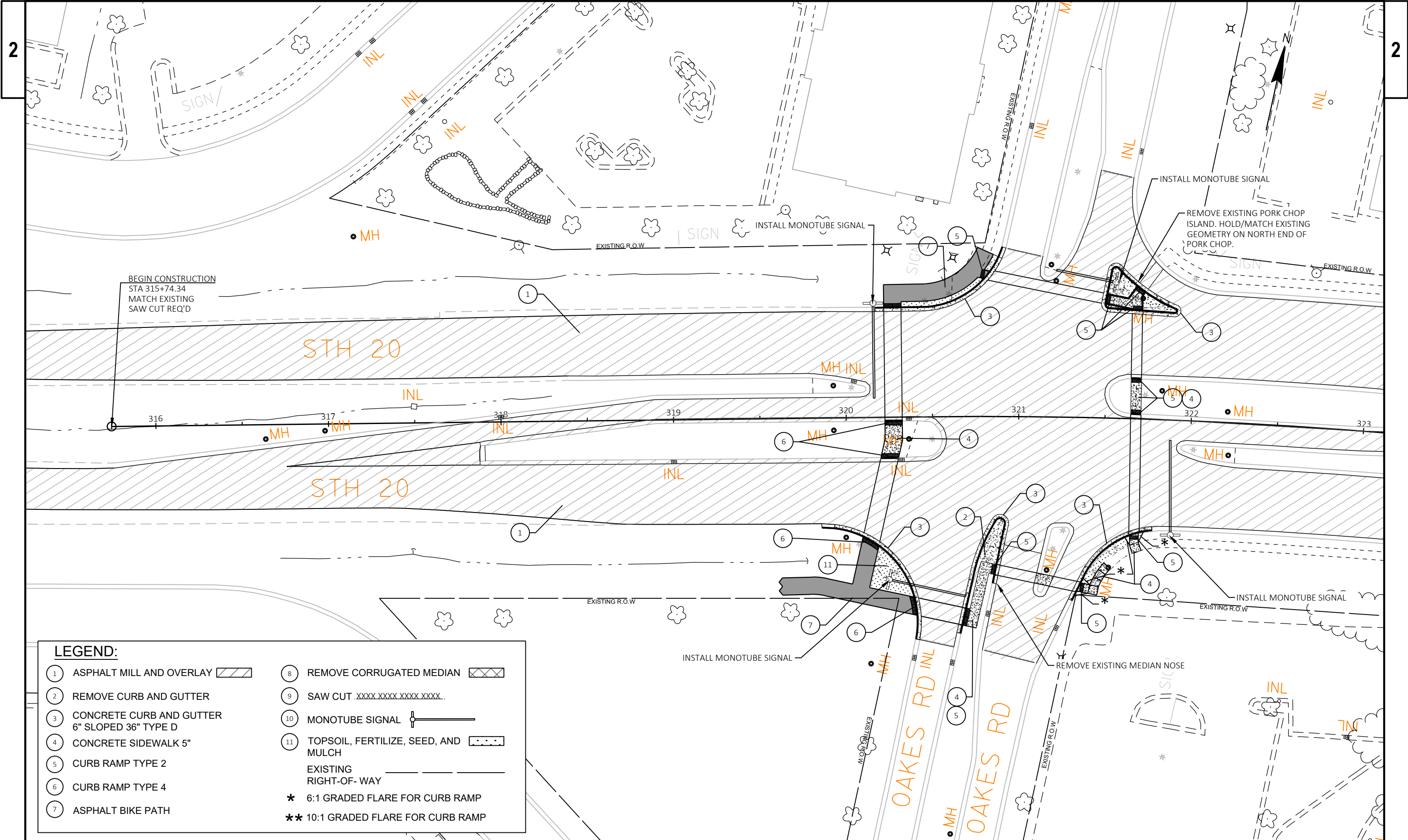
SAW CUT

FLOW ARROW

RCM

REMOVE CORRUGATED MEDIAN

EXISTING RIGHT OF WAY



LEGEND:

- | | |
|--|--|
| ① ASPHALT MILL AND OVERLAY | ⑧ REMOVE CORRUGATED MEDIAN |
| ② REMOVE CURB AND GUTTER | ⑨ SAW CUT .XXXX XXXX XXXX XXXX. |
| ③ CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D | ⑩ MONOTUBE SIGNAL |
| ④ CONCRETE SIDEWALK 5" | ⑪ TOPSOIL, FERTILIZE, SEED, AND
MULCH |
| ⑤ CURB RAMP TYPE 2 | EXISTING
RIGHT-OF- WAY |
| ⑥ CURB RAMP TYPE 4 | * 6:1 GRADED FLARE FOR CURB RAMP |
| ⑦ ASPHALT BIKE PATH | ** 10:1 GRADED FLARE FOR CURB RAMP |

PROJECT NO: 2250-15-70

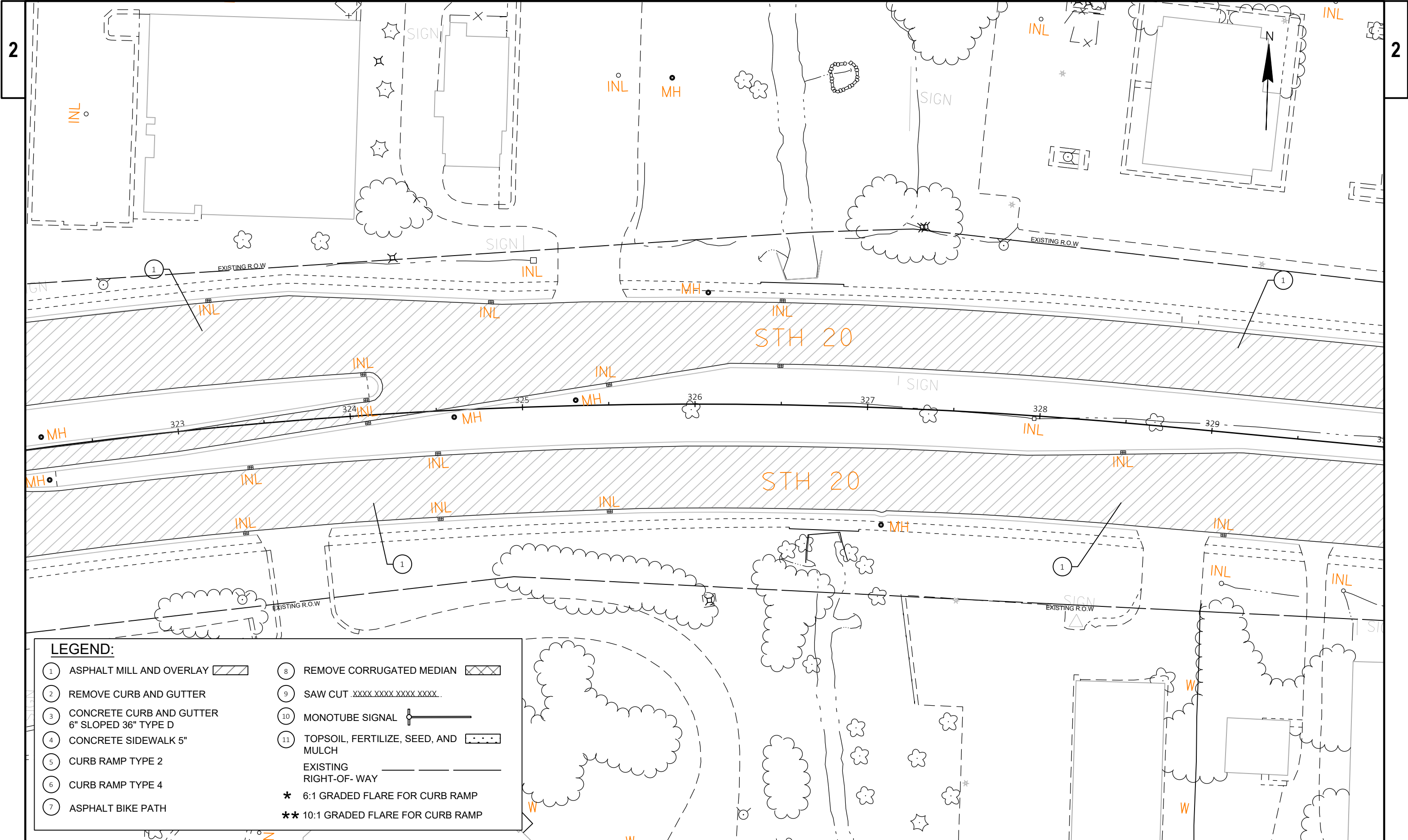
HWY: STH 20

COUNTY: RACINE

PLAN DETAIL

SHEET

E



LEGEND:

1

ASPHALT MILL AND OVERLAY

2

REMOVE CURB AND GUTTER

3

CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D

4

CONCRETE SIDEWALK 5"

5

CURB RAMP TYPE 2

6

CURB RAMP TYPE 4

7

ASPHALT BIKE PATH

8

REMOVE CORRUGATED MEDIAN

9

SAW CUT .XXXX XXXX XXXX XXXX.

10

MONOTUBE SIGNAL

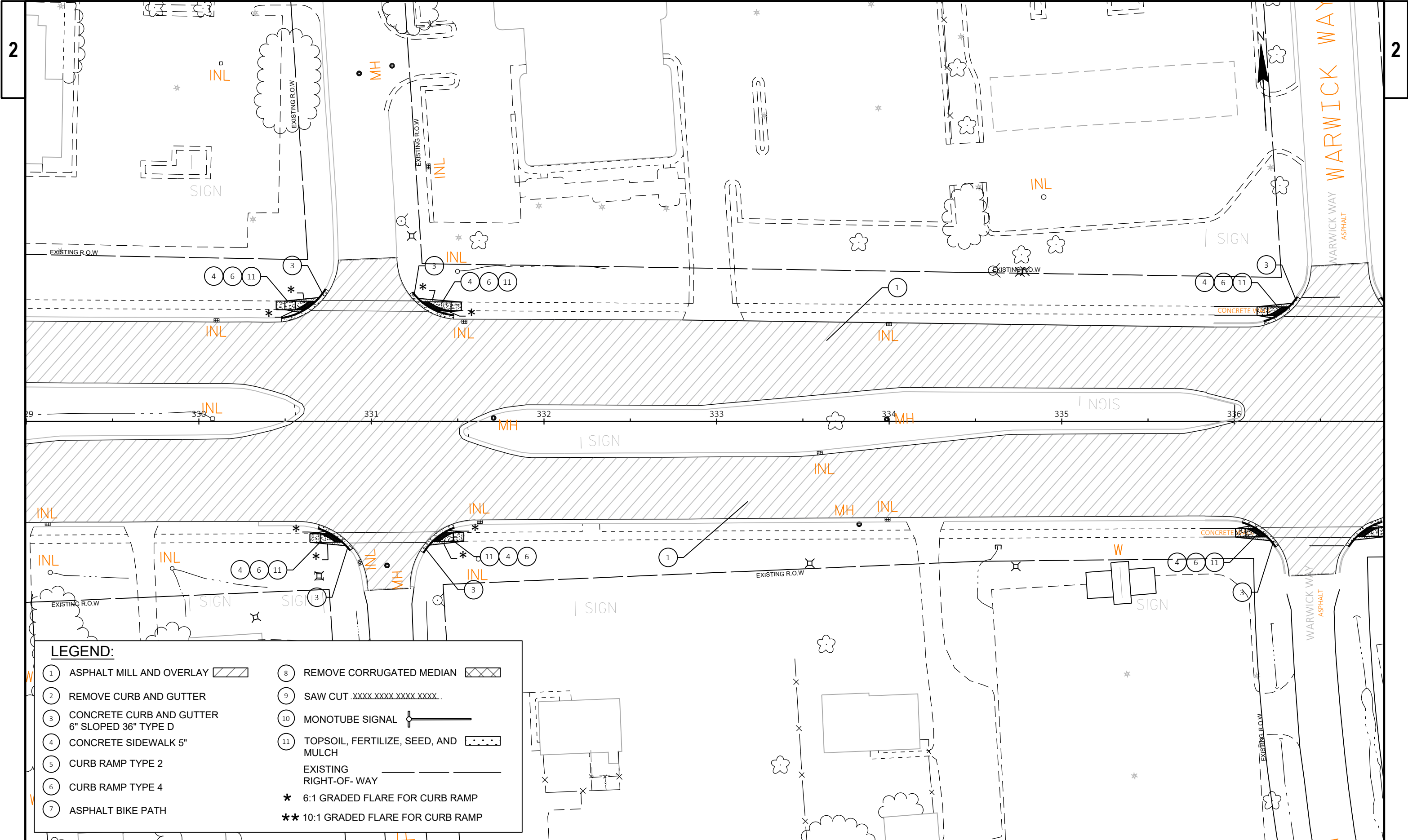
11

TOPSOIL, FERTILIZE, SEED, AND
MULCH

EXISTING
RIGHT-OF- WAY

* 6:1 GRADED FLARE FOR CURB RAMP

** 10:1 GRADED FLARE FOR CURB RAMP



LEGEND:

- | | |
|--|---|
| 1 ASPHALT MILL AND OVERLAY | 8 REMOVE CORRUGATED MEDIAN |
| 2 REMOVE CURB AND GUTTER | 9 SAW CUT .XXXX XXXX XXXX XXXX. |
| 3 CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D | 10 MONOTUBE SIGNAL |
| 4 CONCRETE SIDEWALK 5" | 11 TOPSOIL, FERTILIZE, SEED, AND
MULCH |
| 5 CURB RAMP TYPE 2 | EXISTING
RIGHT-OF- WAY |
| 6 CURB RAMP TYPE 4 | * 6:1 GRADED FLARE FOR CURB RAMP |
| 7 ASPHALT BIKE PATH | ** 10:1 GRADED FLARE FOR CURB RAMP |

PROJECT NO: 2250-15-70

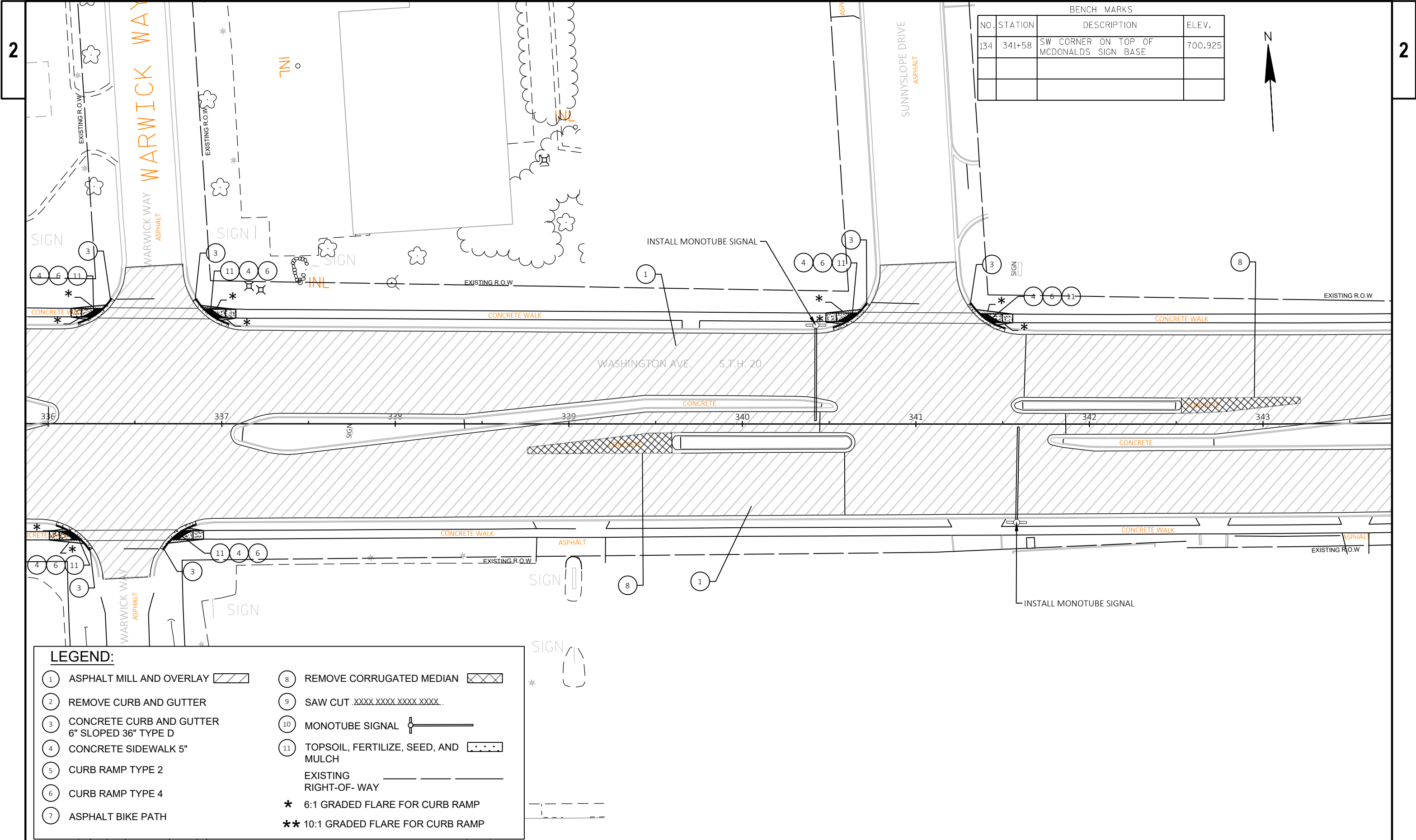
HWY: STH 20

COUNTY: RACINE

PLAN DETAIL

SHEET

E



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
134	341+58	SW CORNER ON TOP OF MCDONALDS SIGN BASE	700.925

LEGEND:

1

ASPHALT MILL AND OVERLAY

2

REMOVE CURB AND GUTTER

3

CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D

4

CONCRETE SIDEWALK 5"

5

CURB RAMP TYPE 2

6

CURB RAMP TYPE 4

7

ASPHALT BIKE PATH

8

REMOVE CORRUGATED MEDIAN

9

SAW CUT .XXXX.XXXX.XXXX.XXXX.

10

MONOTUBE SIGNAL

11

TOPSOIL, FERTILIZE, SEED, AND
MULCH

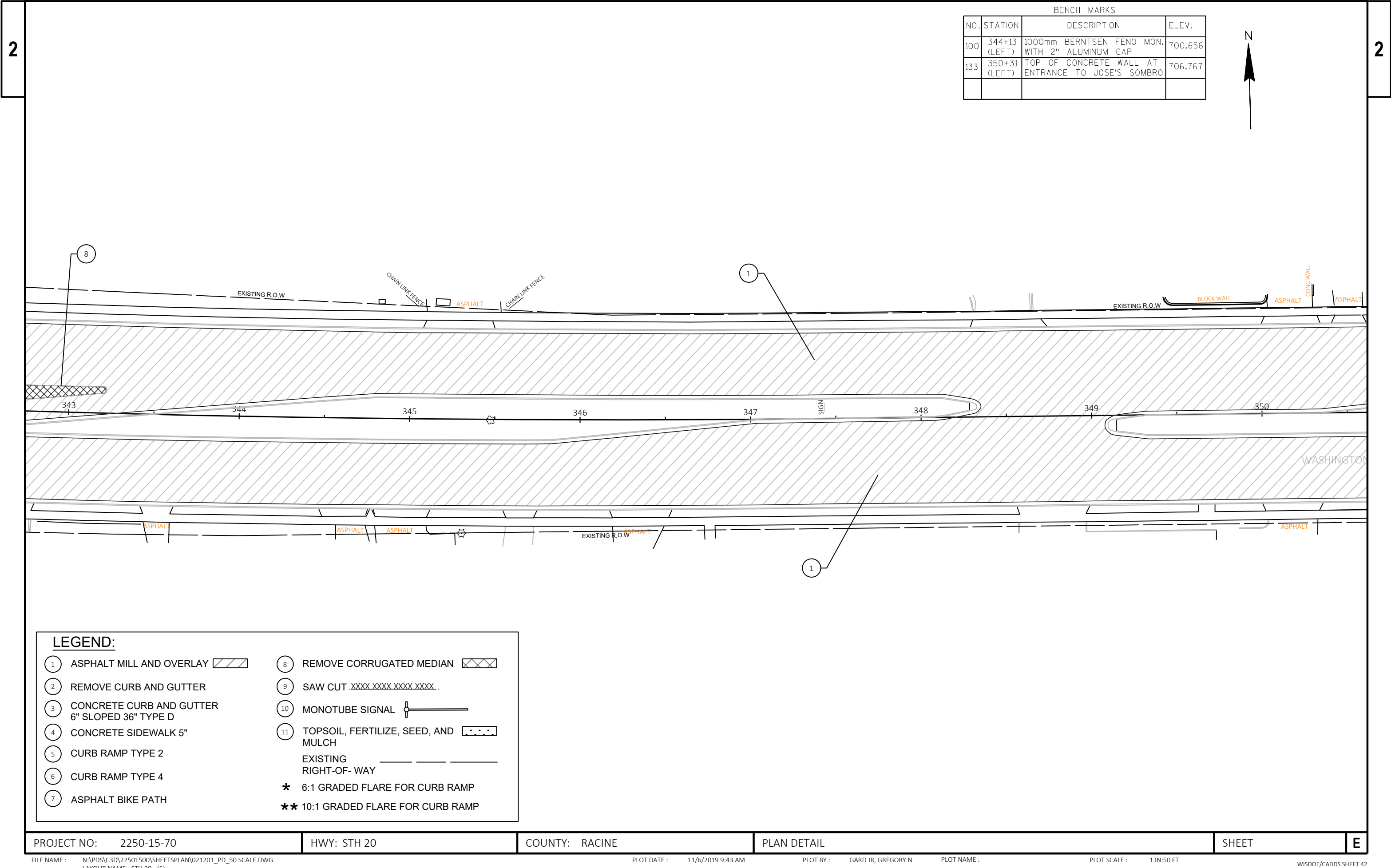
EXISTING
RIGHT-OF- WAY

*

6:1 GRADED FLARE FOR CURB RAMP

**

10:1 GRADED FLARE FOR CURB RAMP



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
100	344+13 (LEFT)	1000mm BERNTSEN FENO MON. WITH 2" ALUMINUM CAP	700.656
133	350+31 (LEFT)	TOP OF CONCRETE WALL AT ENTRANCE TO JOSE'S SOMBRO	706.767



LEGEND:

1

ASPHALT MILL AND OVERLAY

2

REMOVE CURB AND GUTTER

3

CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D

4

CONCRETE SIDEWALK 5"

5

CURB RAMP TYPE 2

6

CURB RAMP TYPE 4

7

ASPHALT BIKE PATH

8

REMOVE CORRUGATED MEDIAN

9

SAW CUT .XXXX XXXX XXXX XXXX.

10

MONOTUBE SIGNAL

11

TOPSOIL, FERTILIZE, SEED, AND
MULCH

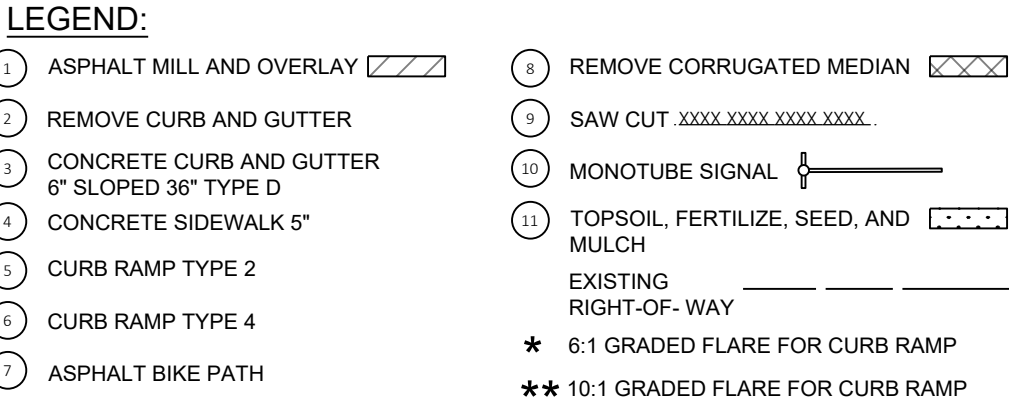
EXISTING
RIGHT-OF- WAY

*

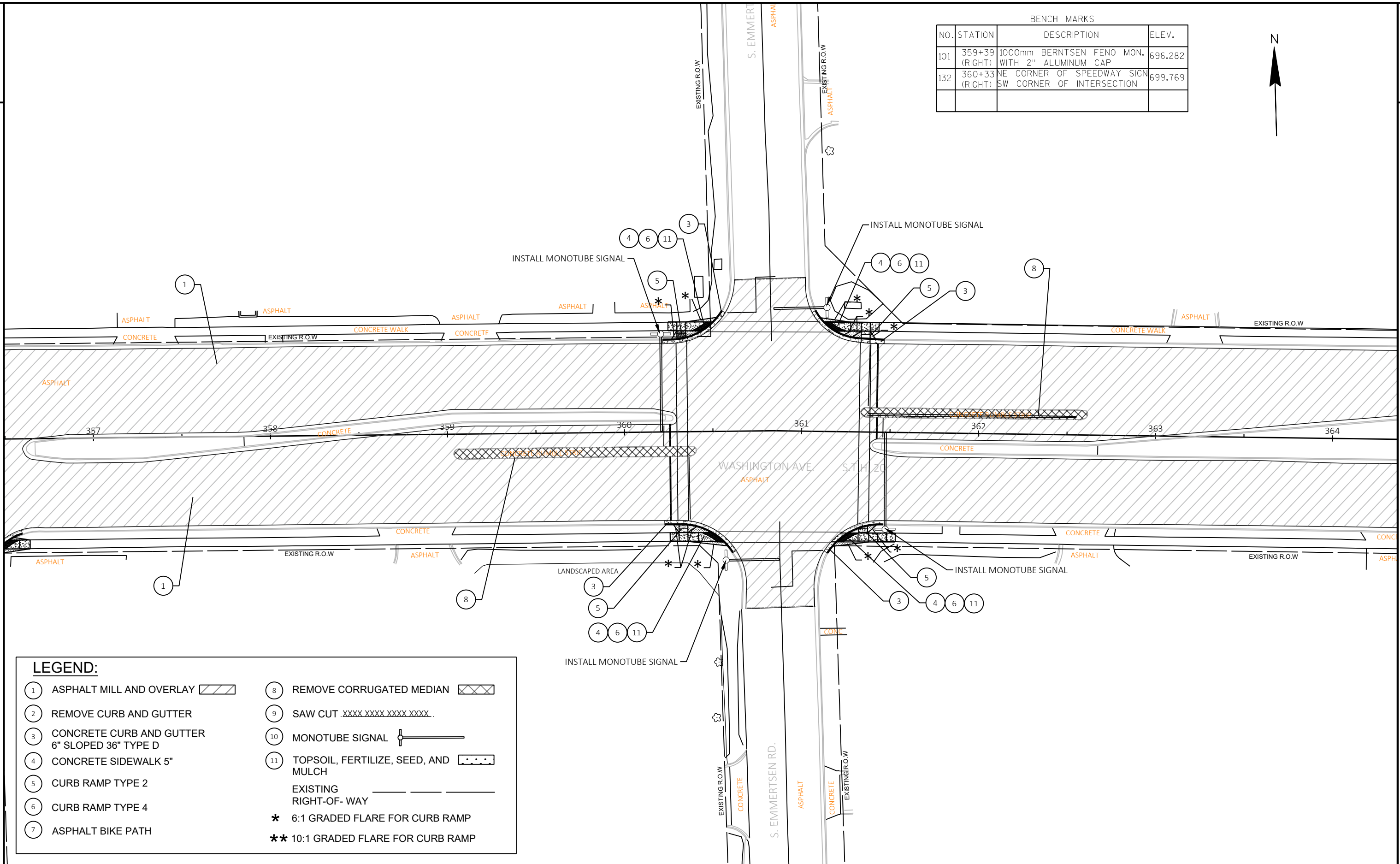
6:1 GRADED FLARE FOR CURB RAMP

**

10:1 GRADED FLARE FOR CURB RAMP



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
101	359+39 (RIGHT)	1000mm BERNTSEN FENO MON. WITH 2" ALUMINUM CAP	696.282
132	360+33 (RIGHT)	NE CORNER OF SPEEDWAY SIGN SW CORNER OF INTERSECTION	699.769



LEGEND:

1

ASPHALT MILL AND OVERLAY

2

REMOVE CURB AND GUTTER

3

CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D

4

CONCRETE SIDEWALK 5"

5

CURB RAMP TYPE 2

6

CURB RAMP TYPE 4

7

ASPHALT BIKE PATH

8

REMOVE CORRUGATED MEDIAN

9

SAW CUT .XXXX XXXX XXXX XXXX.

10

MONOTUBE SIGNAL

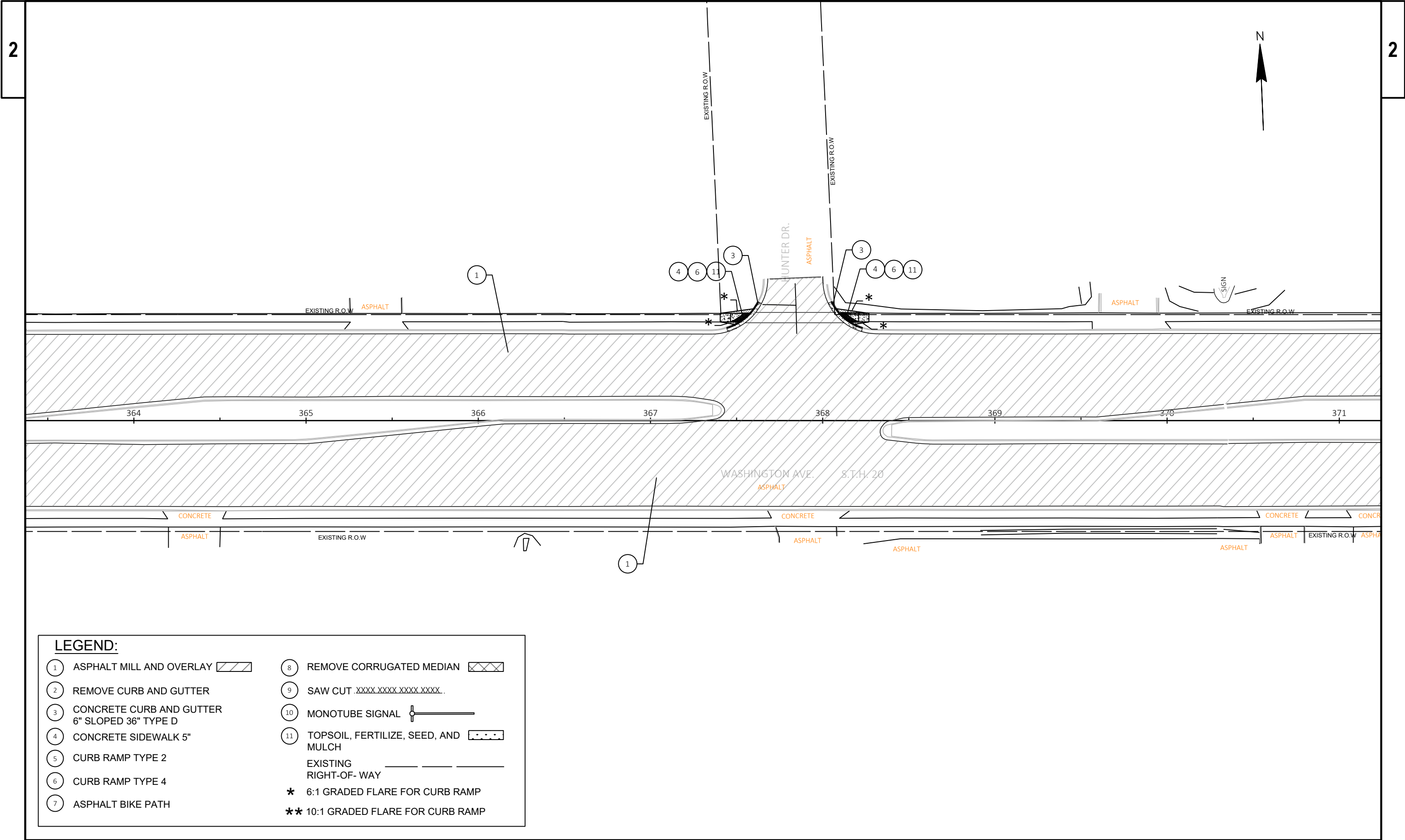
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TOPSOIL, FERTILIZE, SEED, AND
MULCH

EXISTING
RIGHT-OF- WAY

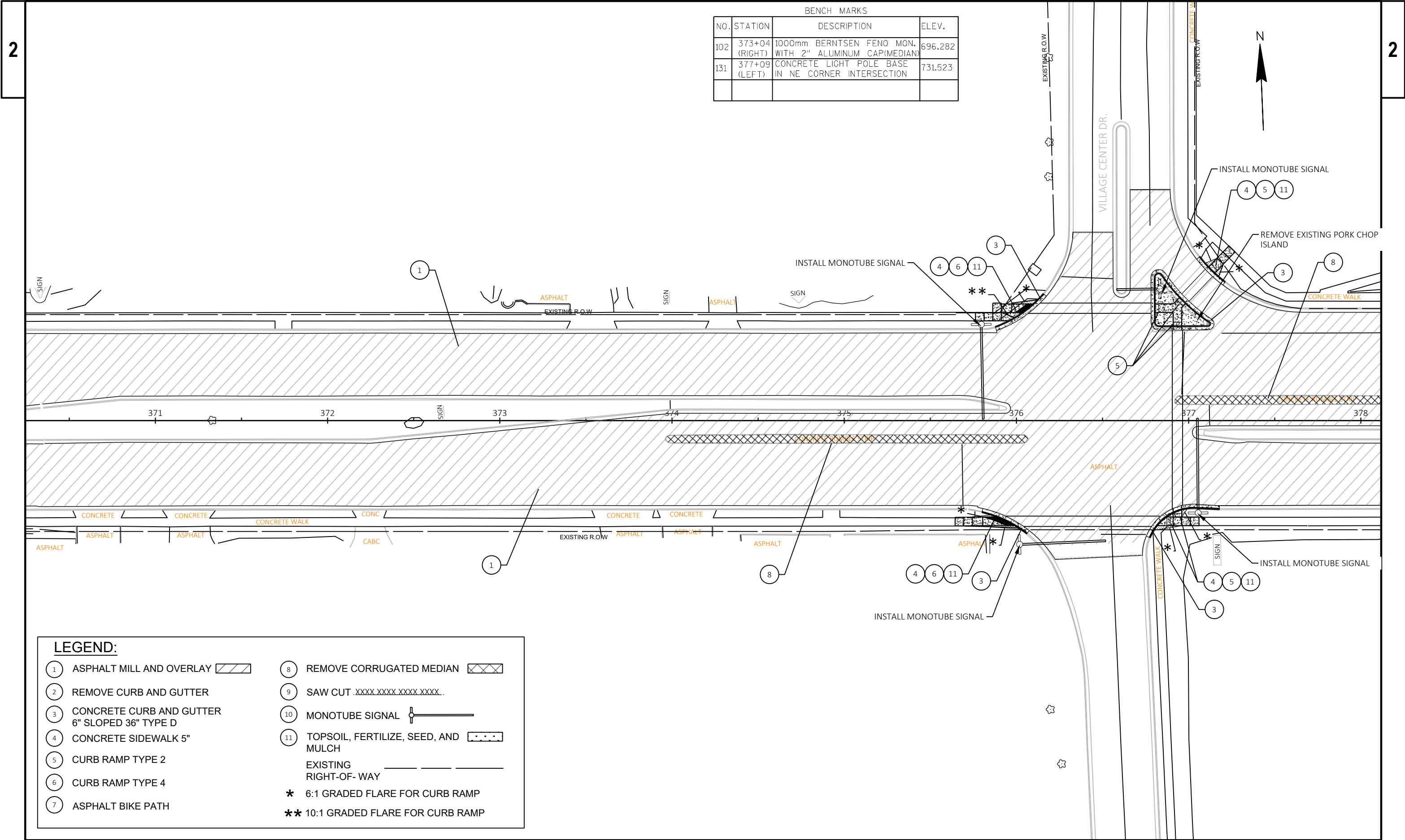
* 6:1 GRADED FLARE FOR CURB RAMP

** 10:1 GRADED FLARE FOR CURB RAMP



LEGEND:

- | | |
|--|--|
| ① ASPHALT MILL AND OVERLAY | ⑧ REMOVE CORRUGATED MEDIAN |
| ② REMOVE CURB AND GUTTER | ⑨ SAW CUT .XXXX XXXX XXXX XXXX. |
| ③ CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D | ⑩ MONOTUBE SIGNAL |
| ④ CONCRETE SIDEWALK 5" | ⑪ TOPSOIL, FERTILIZE, SEED, AND
MULCH |
| ⑤ CURB RAMP TYPE 2 | EXISTING
RIGHT-OF- WAY |
| ⑥ CURB RAMP TYPE 4 | * 6:1 GRADED FLARE FOR CURB RAMP |
| ⑦ ASPHALT BIKE PATH | ** 10:1 GRADED FLARE FOR CURB RAMP |



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
102	373+04 (RIGHT)	1000mm BERNTSEN FENO MON. WITH 2" ALUMINUM CAP(MEDIAN)	696.282
131	377+09 (LEFT)	CONCRETE LIGHT POLE BASE IN NE CORNER INTERSECTION	731.523

LEGEND:

1

ASPHALT MILL AND OVERLAY

2

REMOVE CURB AND GUTTER

3

CONCRETE CURB AND GUTTER
6" SLOPED 36" TYPE D

4

CONCRETE SIDEWALK 5"

5

CURB RAMP TYPE 2

6

CURB RAMP TYPE 4

7

ASPHALT BIKE PATH

8

REMOVE CORRUGATED MEDIAN

9

SAW CUT .XXXX XXXX XXXX XXXX.

10

MONOTUBE SIGNAL

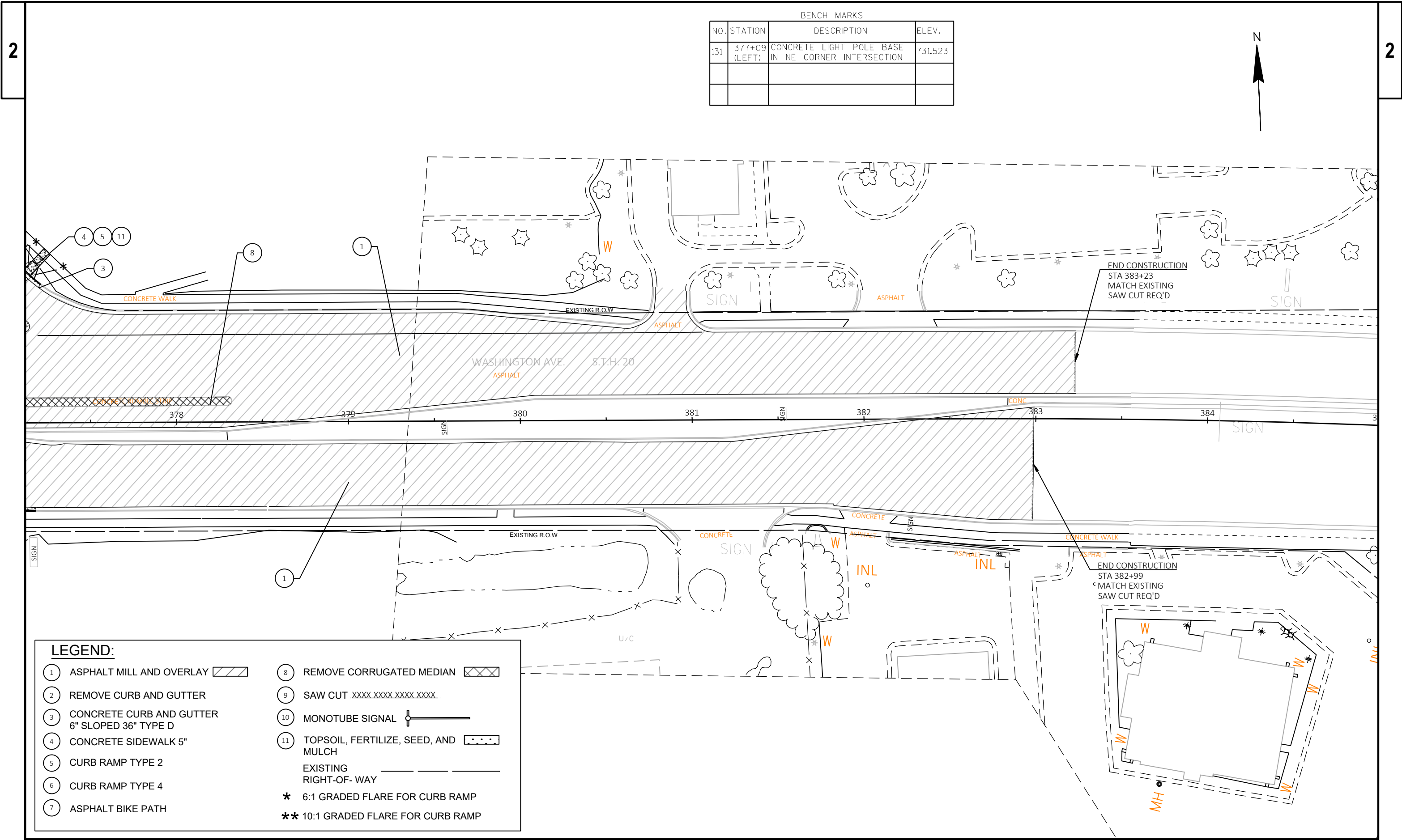
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TOPSOIL, FERTILIZE, SEED, AND
MULCH

EXISTING
RIGHT-OF- WAY

* 6:1 GRADED FLARE FOR CURB RAMP

** 10:1 GRADED FLARE FOR CURB RAMP



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
131	377+09 (LEFT)	CONCRETE LIGHT POLE BASE IN NE CORNER INTERSECTION	731.523

LEGEND:

1

ASPHALT MILL AND OVERLAY

2

REMOVE CURB AND GUTTER

3

CONCRETE CURB AND GUTTER 6" SLOPED 36" TYPE D

4

CONCRETE SIDEWALK 5"

5

CURB RAMP TYPE 2

6

CURB RAMP TYPE 4

7

ASPHALT BIKE PATH

8

REMOVE CORRUGATED MEDIAN

9

SAW CUT .XXXX XXXX XXXX XXXX.

10

MONOTUBE SIGNAL

11

TOPSOIL, FERTILIZE, SEED, AND MULCH

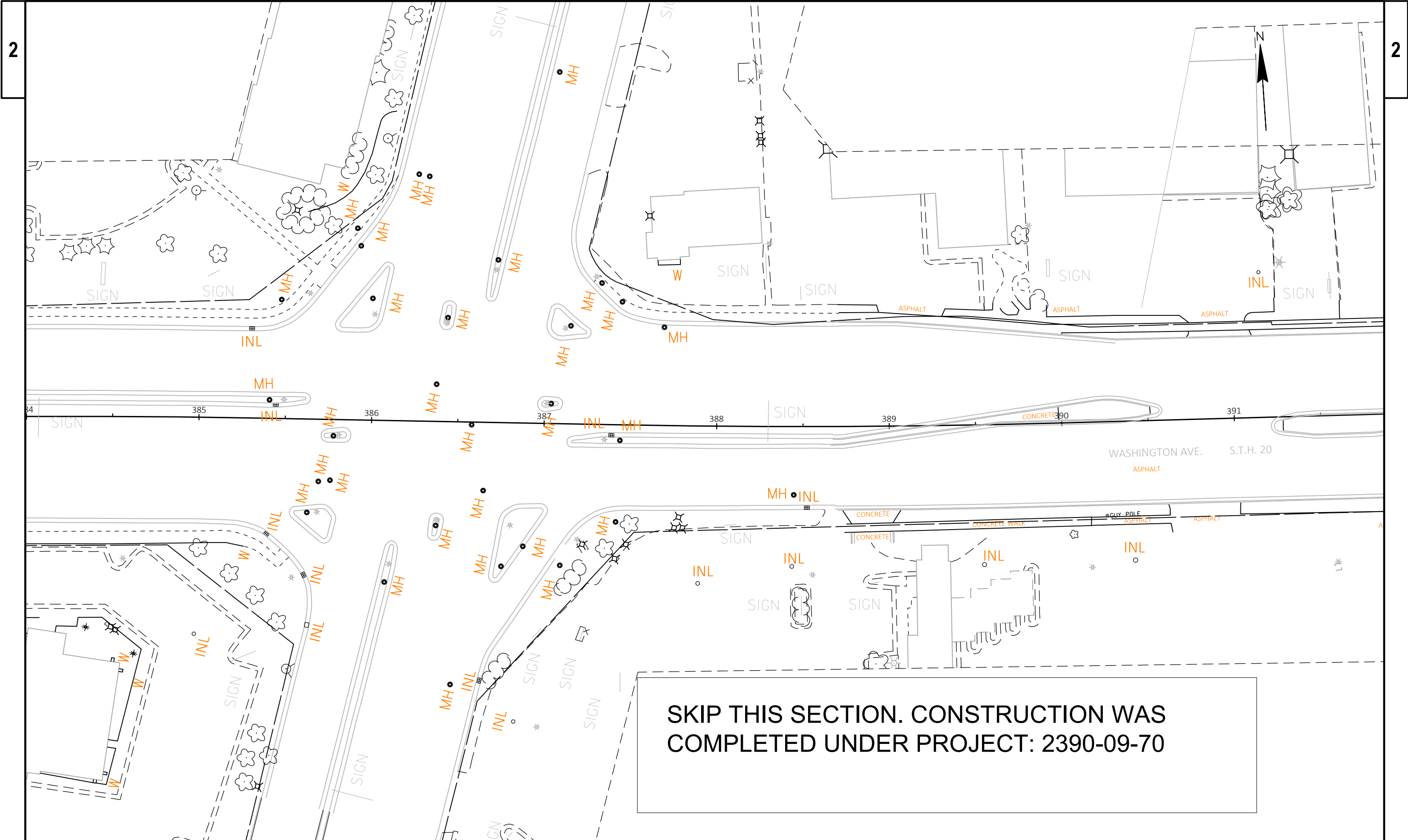
EXISTING RIGHT-OF- WAY

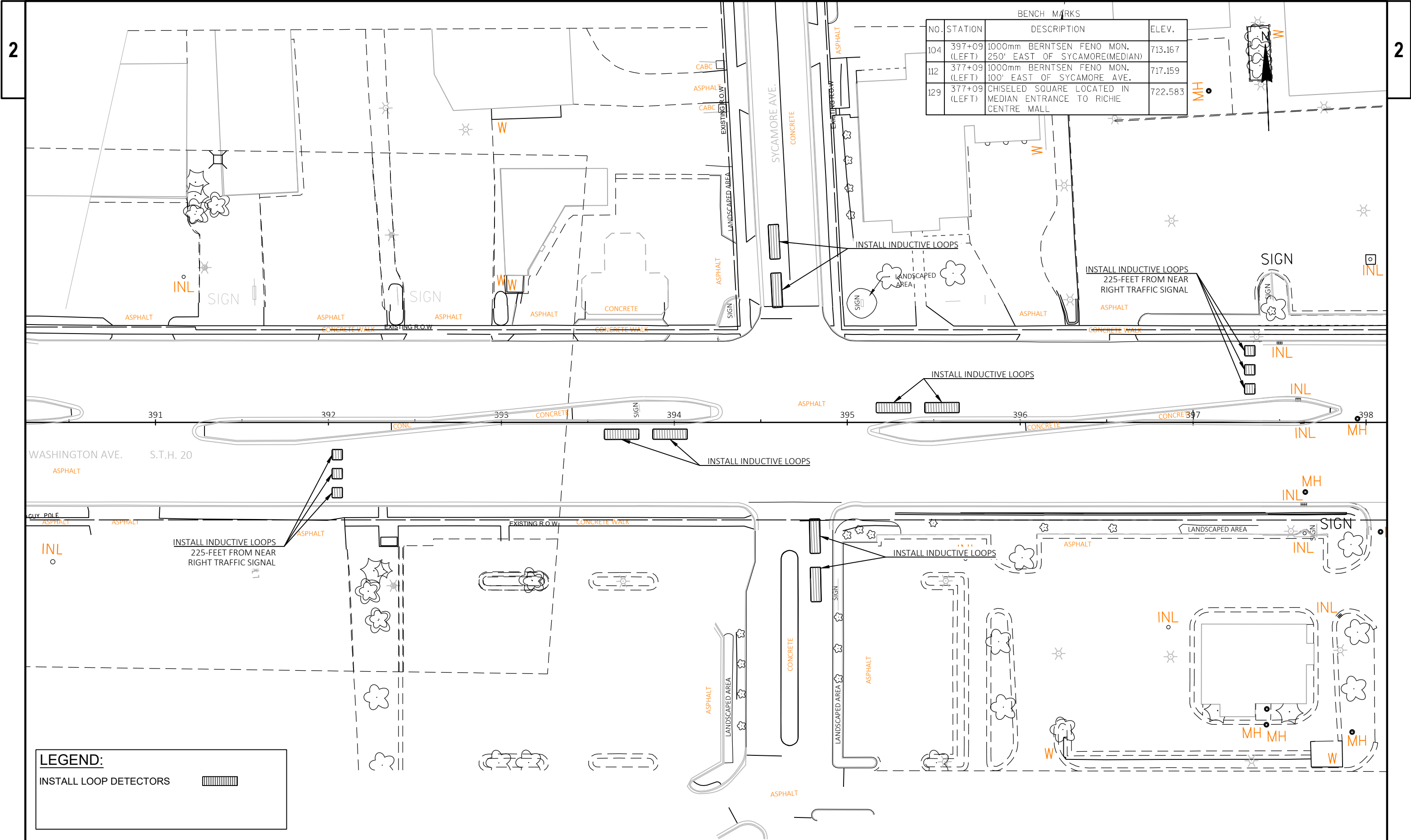
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6:1 GRADED FLARE FOR CURB RAMP

**

10:1 GRADED FLARE FOR CURB RAMP





BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
104	397+09 (LEFT)	1000mm BERTSEN FENO MON. 250' EAST OF SYCAMORE(MEDIAN)	713.167
112	377+09 (LEFT)	1000mm BERTSEN FENO MON. 100' EAST OF SYCAMORE AVE.	717.159
129	377+09 (LEFT)	CHISELED SQUARE LOCATED IN MEDIAN ENTRANCE TO RICHIE CENTRE MALL	722.583

LEGEND:

INSTALL LOOP DETECTORS

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a "PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

- a. With the plan open in Acrobat, select Document > Insert Pages.
- b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
- c. In the Insert dialog box, choose After for Location and Last page for Page.
- d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

- a. Go to the last sheet of the plan.
- b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match the page number in the Acrobat Status bar).

3. Re-Save the PDF

- a. Select File > Save As and save the PDF.

TO REMOVE PRELIMINARY SHEET NUMBERS