

# CITY OF RAMSEY

## 2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS

### CITY IMPROVEMENT PROJECT NO. 21-04

## GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

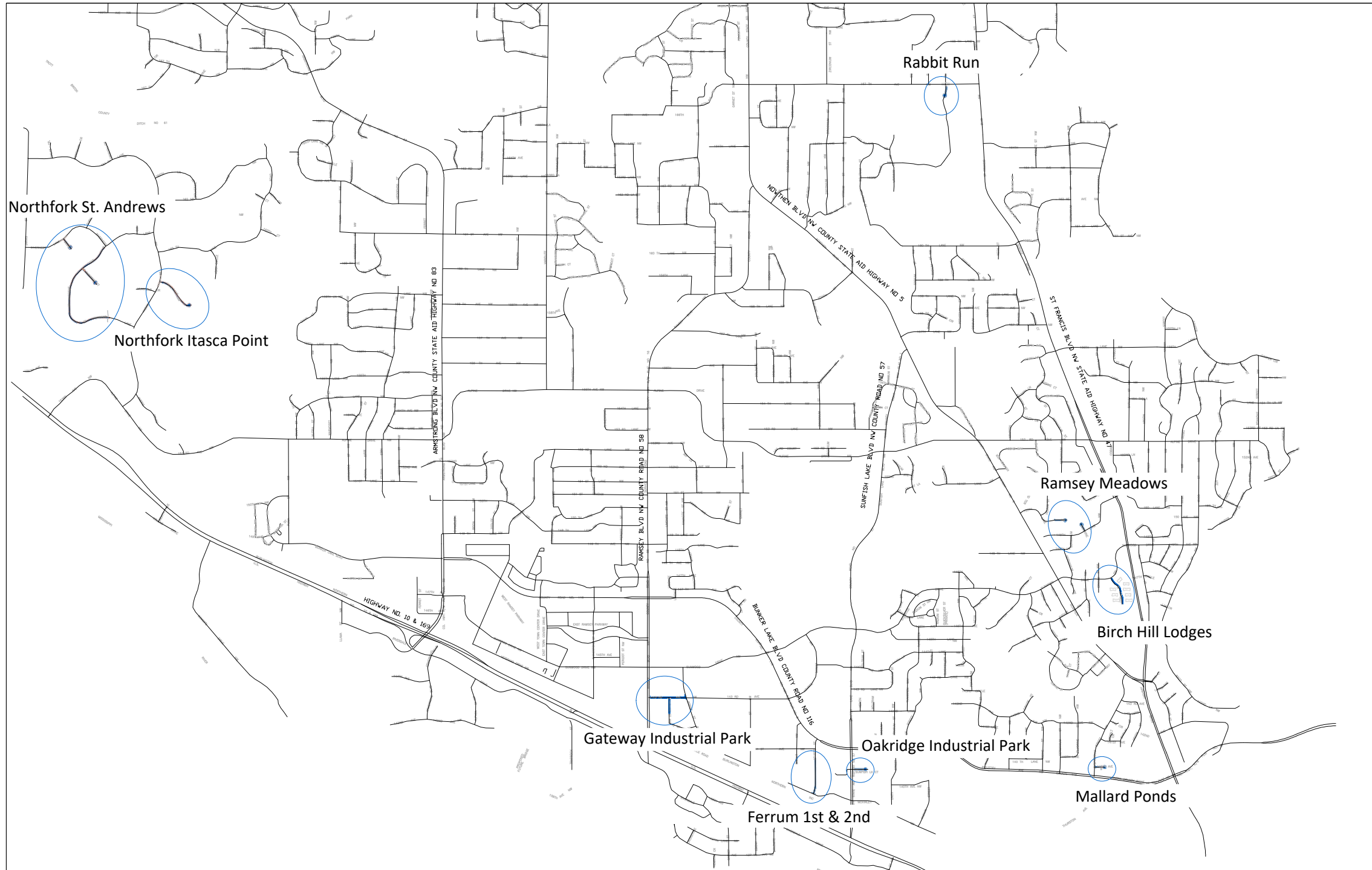
ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

### SHEET INDEX

THIS PLAN CONTAINS 18 SHEETS

SHEET No.	DESCRIPTION
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1	TITLE SHEET
2	SEQ. & NOTES
3	DETAILS
4	BIRCH HILL LODGES OVERLAY
5	FERRUM 1ST & SECOND OVERLAY
6	GATEWAY INDUSTRIAL PARK OVERLAY
7	MALLARD PONDS OVERLAY
8	NORTHFORK ITASCA POINT OVERLAY
9-14	NORTHFORK ST. ANDREWS OVERLAY
15	OAKRIDGE INDUSTRIAL PARK OVERLAY
16	RABBIT RUN OVERLAY
17	RAMSEY MEADOWS 2ND OVERLAY
18	PAVEMENT MARKING PLAN



### LEGEND

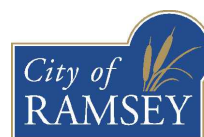
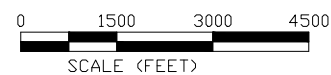
	LIGHT POLE		D&U EASEMENT
	TREE		RIGHT OF WAY
	SHRUB		ELECTRIC
	SIGN		OVERHEAD ELECTRIC
	VALVE		GAS
	UTILITY PEDESTAL		TELECOMMUNICATIONS
	HAND HOLE		STORM SEWER
	REMOVE TREE		SANITARY SEWER
	3'X2' CATCH BASIN		WATERMAIN
	MANHOLE		SAWCUT PAVEMENT
	INLET PROTECTION		TREE LINE
	HYDRANT		FENCE
	VALVE		LANDSCAPING
	RIP RAP		RETAINING WALL
	SEEDING AREA		5' CONTOUR LINE
	CONCRETE PAVEMENT		1' CONTOUR LINE
	BITUMINOUS PAVEMENT		SILT FENCE
	GRAVEL SURFACE		MILL BITUMINOUS PAVEMENT
			BITUMINOUS PAVEMENT PATCH
			REPLACE CONCRETE CURB & GUTTER

I hereby certify that this plan, specification, or report 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.

*Joe Feriancek*  
JOE FERIANCEK, P.E.  
CIVIL ENGINEER II

57095 DATE 3/22/21  
LIC. NO.

DATE	REVISION



CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

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

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL 1-800-252-1166 OR 651-454-0002



Call before you dig  
811  
651 454-0002 Metro  
800 252-1166 Outstate  
www.gopherstateonecall.org

**21-04 2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**

**STATEMENT OF ESTIMATED QUANTITIES**

NOTE	ITEM No.	MNDOT No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
	1	2021.501	MOBILIZATION	LS	1
	2	2104.502	REMOVE CASTING	EA	17
1	3	2104.503	REMOVE CONCRETE CURB AND GUTTER	LF	289
1	4	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	2,121
1	5	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LF	80
1	6	2104.504	REMOVE BITUMINOUS PAVEMENT	SY	84
	7	2211.507	AGGREGATE BASE CLASS 5 MODIFIED (CV)	CY	24
1, 7	8	2231.604	BITUMINOUS PATCH	SY	1,018
1	9	2232.504	MILL BITUMINOUS SURFACE (2.0")	SY	35,377
2	10	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	2,539
3	11	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) 2.0"	TON	3,991
	12	2503.602	GROUT CATCH BASIN	EA	20
	13	2503.602	RESET CATCH BASIN	EA	3
	14	2504.602	ADJUST VALVE BOX	EA	21
	15	2506.502	ADJUST FRAME AND RING CASTING	EA	18
	16	2506.502	CASTING ASSEMBLY	EA	17
5	17	2531.503	CONCRETE CURB & GUTTER DESIGN B618	LF	219
5	18	2531.503	CONCRETE CURB & GUTTER DESIGN SURMOUNTABLE	LF	240
5	19	2531.604	7" CONCRETE VALLEY GUTTER	SY	36
4	20	2563.601	TRAFFIC CONTROL	LS	1
6	21	2574.507	TOPSOIL (LV)	CY	18
	22	2575.504	SODDING TYPE LAWN	SY	102
	23	2582.503	24" SOLID LINE PAINT (EPOXY)	LF	13
	24	2582.503	4" DOUBLE SOLID LINE PAINT (EPOXY)	LF	870
	25	2582.503	4" SOLID LINE PAINT (EPOXY)	LF	1,735
	26	2582.518	CROSSWALK PAINT (EPOXY)	SF	150

PAY ITEM NOTES:

1. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY CITY STAFF.
2. ESTIMATED QUANTITY BASED ON APPLICATION RATE OF 0.07 GAL/SY.
3. ESTIMATED QUANTITY BASED ON APPLICATION RATE OF 110 LB/SY-IN.
4. LUMP SUM QUANTITY SHALL INCLUDE ALL COST REQUIRED FOR MAINTAINING ALL FLAGGING OPERATIONS AS NECESSARY, MAINTAINING PEDESTRIAN ACCESS ROUTES, ANY SIGNAGE AND BARRICADES AS NECESSARY.
5. FINISH WITH CLEAR CURING COMPOUND.
6. CV TO LV CONVERSION FACTOR = 1.3.
7. BITUMINOUS PAVEMENT PATCH INCLUDES REMOVAL OF BITUMINOUS PAVEMENT, BITUMINOUS CURB AND AGGREGATE BASE AS NECESSARY. INCLUDES PLACING AGGREGATE BASE, BITUMINOUS PAVEMENT AND BITUMINOUS CURB AS NECESSARY.


GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS NOT GUARANTEED ANY OR ALL EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. PAVEMENT RADII AT INTERSECTIONS ARE ASSUMED TO BE 20 FT AND AT CUL-DE-SAC ENTRANCES ARE ASSUMED TO BE 50 FT UNLESS OTHERWISE NOTED.

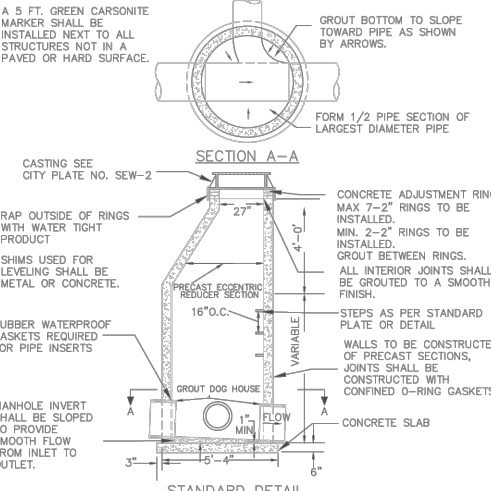
**Notes:**

1. INSTALLATION OF 4" OF TOPSOIL REQUIRED ACROSS ALL DISTURBED AREAS.
2. TOPSOIL IS DEFINED AS BLACK DIRT COMPOSED OF UNCONSOLIDATED MATERIAL, LARGELY UNDECOMPOSED ORGANIC MATTER WHICH IS SUITABLE FOUNDATION FOR VEGETATIVE GROWTH.
3. THE COMPOSITION OF TOPSOIL SHOULD CONTAIN NO MORE THAN THIRTY-FIVE PERCENT (35%) SAND CONTENT.

APPROVED: 7 - 2019



STANDARD DETAILS: TOPSOIL REQUIREMENTS  
CITY PLATE No. ERO-6




**SECTION A-A**

**STANDARD DETAIL**

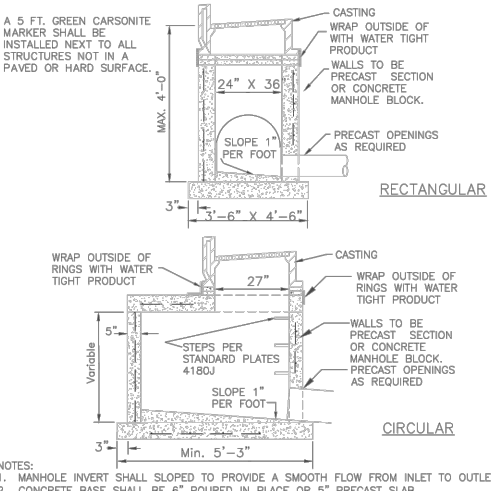
**NOTES:**

1. A 10 GAGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL SEWER LINES.
2. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE.
3. TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS.
4. 6" BASE FOR ALL MANHOLES LESS THAN 14 FT. OF DEPTH, INCREASE BASE THICKNESS 2" PER 6 FT. OF DEPTH BEYOND 14 FT.
5. 5" PRECAST BASE MAY BE USED FOR MANHOLES LESS THAN 14 FT. DEEP.
6. ALL INVERTS TO BE 0.10' ABOVE OUTLET.

APPROVED: 1 - 2016



STANDARD DETAILS: SANITARY MANHOLE  
CITY PLATE No. SEW-1




**RECTANGULAR**

**CIRCULAR**

**NOTES:**

1. MANHOLE INVERT SHALL SLOPED TO PROVIDE A SMOOTH FLOW FROM INLET TO OUTLET
2. CONCRETE BASE SHALL BE 6" POURED IN PLACE OR 5" PRECAST SLAB.
3. CONCRETE ADJUSTING RINGS TO BE INSTALLED MAX 7-2" RINGS
4. GROUT BETWEEN RINGS, SHIMS SHALL BE METAL, CONCRETE OR PLASTIC
5. INSPECTION OF MANHOLE REQUIRED BEFORE BACKFILLING
6. A 10 GAUGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL STORM LINES.
7. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE
8. STEPS ARE REQUIRED IF STRUCTURE FROM THE CASTING TO THE INVERT IS GREATER THAN 4 FEET
9. TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS

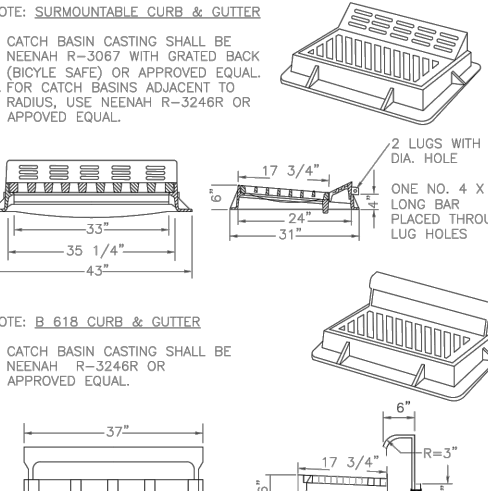
APPROVED: 4 - 2007



STANDARD DETAILS: CATCH BASIN  
CITY PLATE No. STO-1

**NOTE: SURMOUNTABLE CURB & GUTTER**

1. CATCH BASIN CASTING SHALL BE NEENAH R-3067 WITH GRATED BACK (BICYCLE SAFE) OR APPROVED EQUAL.
2. FOR CATCH BASINS ADJACENT TO RADIUS, USE NEENAH R-3246R OR APPROVED EQUAL.




**NOTE: B 618 CURB & GUTTER**

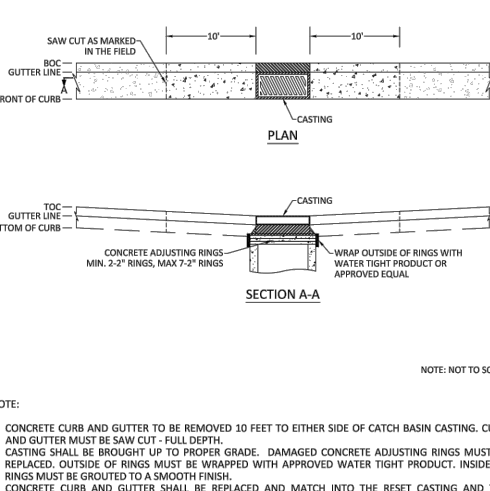
1. CATCH BASIN CASTING SHALL BE NEENAH R-3246R OR APPROVED EQUAL.

**STANDARD CATCHBASIN CASTING**

APPROVED: 7 - 2016




STANDARD DETAILS: STORMWATER CASTING  
CITY PLATE No. STO-4



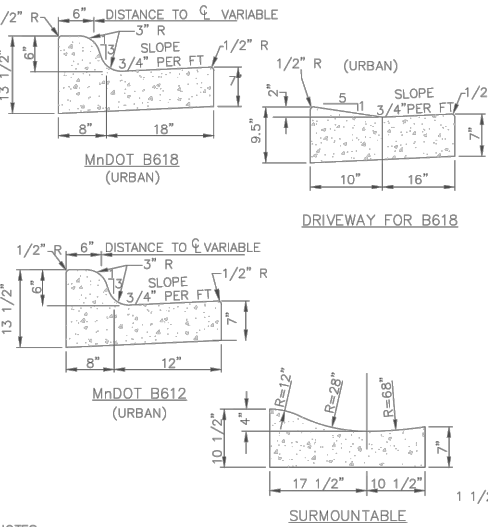
**NOTE:**

1. CONCRETE CURB AND GUTTER TO BE REMOVED 10 FEET TO EITHER SIDE OF CATCH BASIN CASTING. CURB AND GUTTER MUST BE SAW CUT - FULL DEPTH.
2. CASTING SHALL BE BROUGHT UP TO PROPER GRADE. DAMAGED CONCRETE ADJUSTING RINGS MUST BE REPLACED. OUTSIDE OF RINGS MUST BE WRAPPED WITH APPROVED WATER TIGHT PRODUCT. INSIDE OF RINGS MUST BE GROUTED TO A SMOOTH FINISH.
3. CONCRETE CURB AND GUTTER SHALL BE REPLACED AND MATCH INTO THE RESET CASTING AND THE EXISTING CURB AND GUTTER.
4. DAMAGED BITUMINOUS PAVEMENT SHALL BE REPAIRED AND IS INCIDENTAL. FOLLOW CITY STANDARD PLATE STR-25.
5. PROPER TRAFFIC CONTROL DEVICES SHALL BE REQUIRED TO MAINTAIN A SAFE WORK ENVIRONMENT, AND IS INCLUDED IN THE TRAFFIC CONTROL LUMP SUM BIT ITEM.
6. ALL EQUIPMENT, MATERIALS, DISPOSAL, AND LABOR REQUIRED TO RESET CATCH BASIN CASTING AS DESCRIBED BY THIS DETAIL IS INCIDENTAL.
7. BOULEVARD RESTORATION BEHIND CURB IS NOT INCLUDED WITH THE RESET CATCH BASIN CASTING PAY ITEM.

APPROVED: 3 - 2017



STANDARD DETAILS: RESET CATCH BASIN CASTING  
CITY PLATE No. STO-13



**MnDOT B618 (URBAN)**


**MnDOT B612 (URBAN)**

**SURMOUNTABLE**

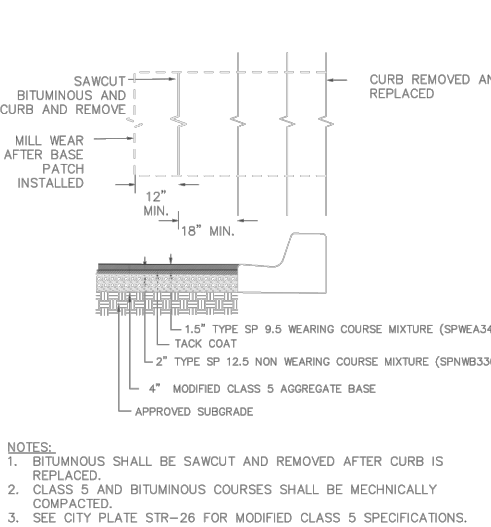
**NOTES:**

1. ON WEAR COURSE MILL THE EXISTING BITUMINOUS 1.5" BY 24" IN FRONT OF THE REPLACEMENT CURB.
2. ON BASE COURSE SAW CUT AND REMOVE EXISTING BITUMINOUS 18" IN FRONT OF THE REPLACEMENT CURB.

APPROVED: 1 - 2016




STANDARD DETAILS: CURB AND GUTTER  
CITY PLATE No. STR-1



**NOTES:**

1. BITUMINOUS SHALL BE SAWCUT AND REMOVED AFTER CURB IS REPLACED.
2. CLASS 5 AND BITUMINOUS COURSES SHALL BE MECHANICALLY COMPACTED.
3. SEE CITY PLATE STR-26 FOR MODIFIED CLASS 5 SPECIFICATIONS.

APPROVED: 6 - 2016



STANDARD DETAILS: STREET PATCHING STANDARDS  
CITY PLATE No. STR-25

**TABLE A**

**MODIFIED CLASS 5 SPECIFICATIONS**


**% PASSING**

1"	100
3/4"	90 - 100
3/8"	50 - 80
No.4	35 - 70
No.10	20 - 60
No.40	10 - 35
No.200	5 - 10

**NOTES:**

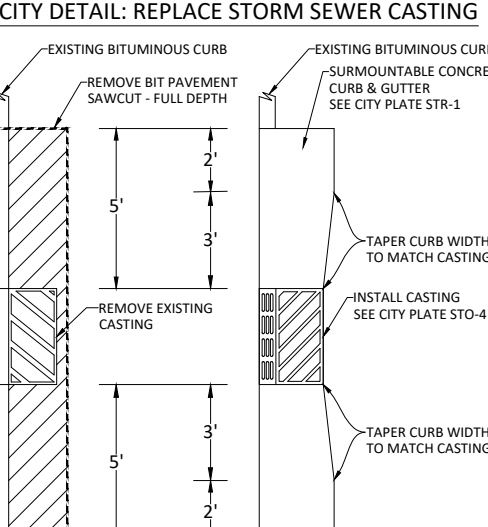
1. THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.
2. IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.
3. IN THE EVENT THAT RECYCLED MATERIAL IS USE IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED: 2 - 2003



STANDARD DETAILS: MODIFIED CLASS 5 SPECIFICATIONS  
CITY PLATE No. STR-26

**CITY DETAIL: REPLACE STORM SEWER CASTING**

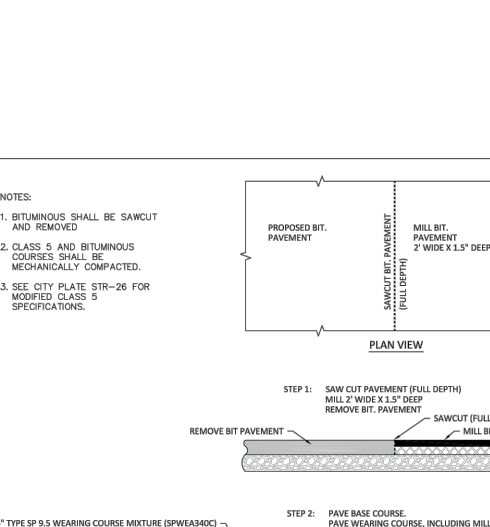


**NOTE:**

1. REMOVAL OF BITUMINOUS PAVEMENT, BITUMINOUS CURB, AGGREGATE BASE IS INCIDENTAL TO THE REMOVE BIT PAVEMENT PAY ITEM.
2. CLASS 5 AND BITUMINOUS COURSES SHALL BE MECHANICALLY COMPACTED.
3. SEE CITY PLATE STR-25 FOR STREET PATCHING.
4. SEE CITY PLATE STR-26 FOR MODIFIED CLASS 5 SPECIFICATIONS.


**NOTES:**

1. BITUMINOUS SHALL BE SAWCUT AND REMOVED
2. CLASS 5 AND BITUMINOUS COURSES SHALL BE MECHANICALLY COMPACTED.
3. SEE CITY PLATE STR-26 FOR MODIFIED CLASS 5 SPECIFICATIONS.



**SECTION VIEW**

APPROVED: 3 - 2017



CITY PLATE No. STR-31

STANDARD DETAILS: STREET TIE-IN

DATE	REVISION

I hereby certify that this plan, specification, or report 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

*Joe Feriancek*

JOE FERIANCEK  
Date 3/22/21 Lic. No. 57095

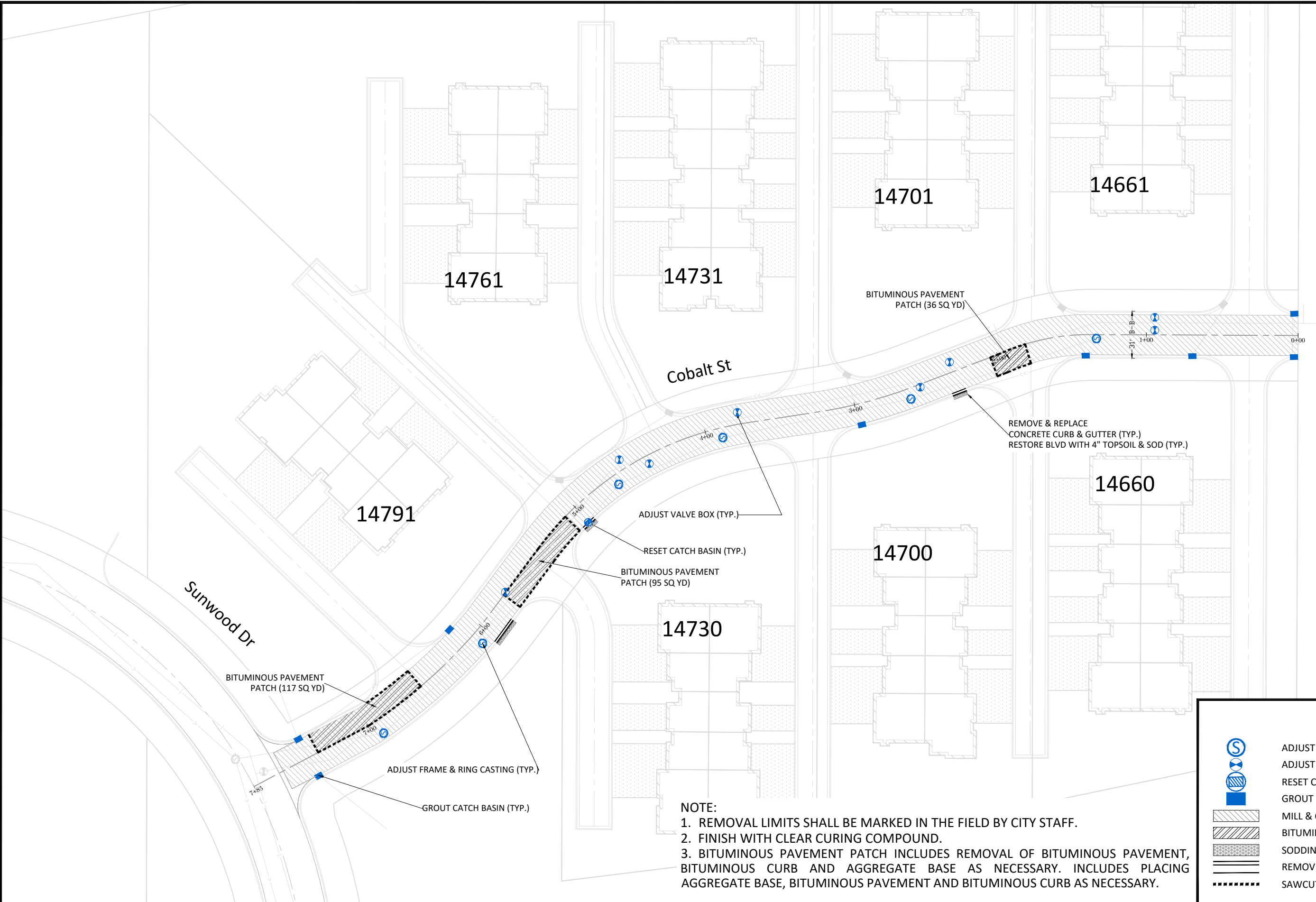
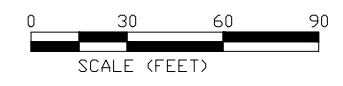
DESIGNED BY: LWC  
DRAWN BY: LWC  
CHECKED BY: JIF

DATE: 03/19/21  
FILE: 21-04

**CITY OF RAMSEY**  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898







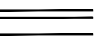


**DETAILS**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
**CITY PROJECT NO. 21-04**  
CITY OF RAMSEY, MINNESOTA



**NOTE:**  
 1. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY CITY STAFF.  
 2. FINISH WITH CLEAR CURING COMPOUND.  
 3. BITUMINOUS PAVEMENT PATCH INCLUDES REMOVAL OF BITUMINOUS PAVEMENT, BITUMINOUS CURB AND AGGREGATE BASE AS NECESSARY. INCLUDES PLACING AGGREGATE BASE, BITUMINOUS PAVEMENT AND BITUMINOUS CURB AS NECESSARY.

**LEGEND**

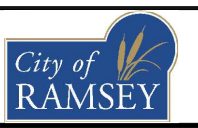
-  ADJUST FRAME AND RING CASTING
-  ADJUST VALVE BOX
-  RESET CATCH BASIN
-  GROUT CATCH BASIN
-  MILL & OVERLAY BITUMINOUS PAVEMENT (2")
-  BITUMINOUS PAVEMENT PATCH
-  SODDING TYPE LAWN
-  REMOVE & REPLACE CURB & GUTTER
-  SAWCUT PAVEMENT

DATE	REVISION

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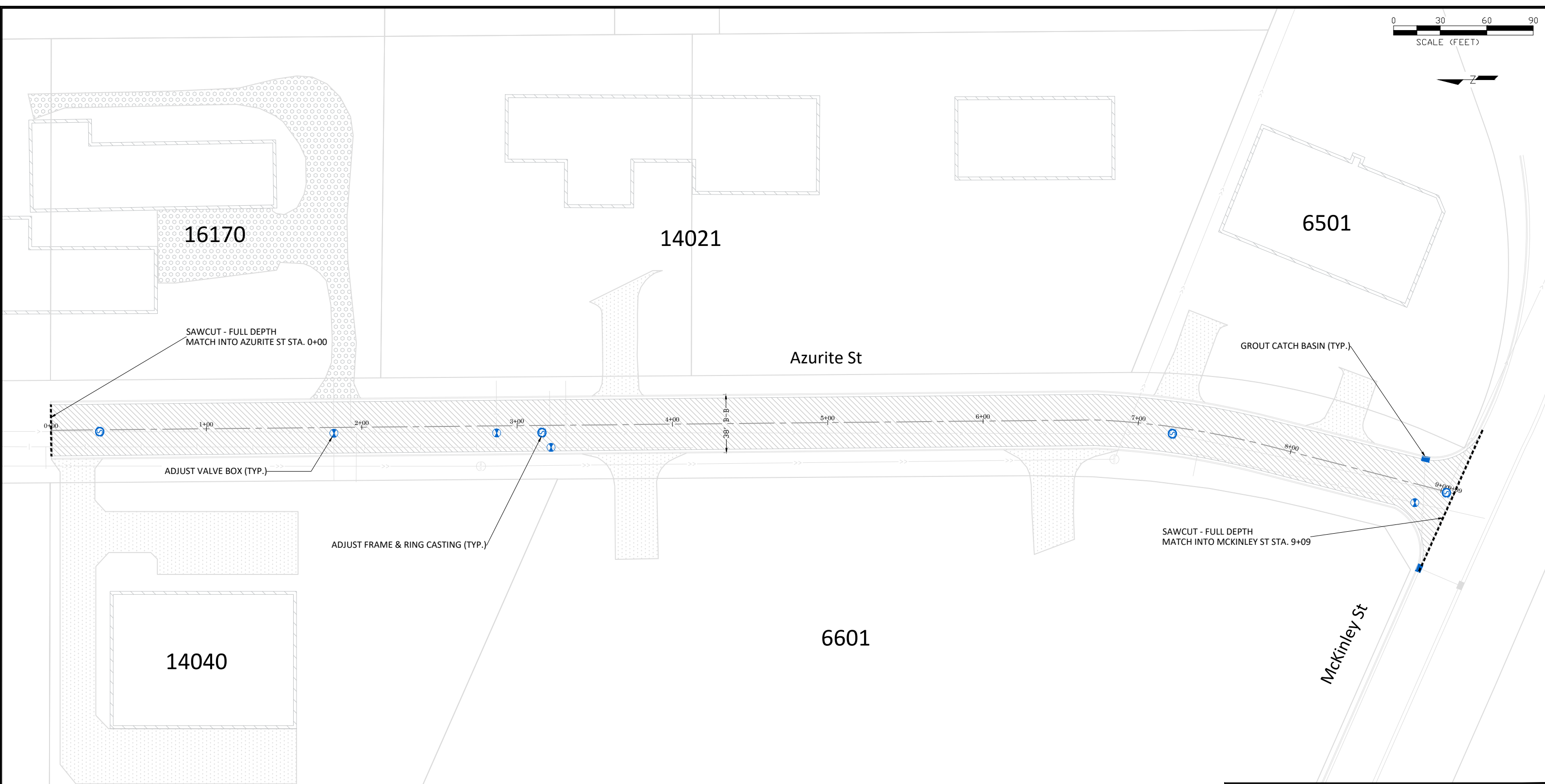
DESIGNED BY: LWC  
 DATE: 03/19/21  
 DRAWN BY: LWC  
 CHECKED BY: JJF  
 FILE: 21-04



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BIRCH HILL LODGES OVERLAY

2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS  
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 CITY OF RAMSEY, MINNESOTA



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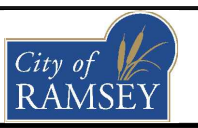
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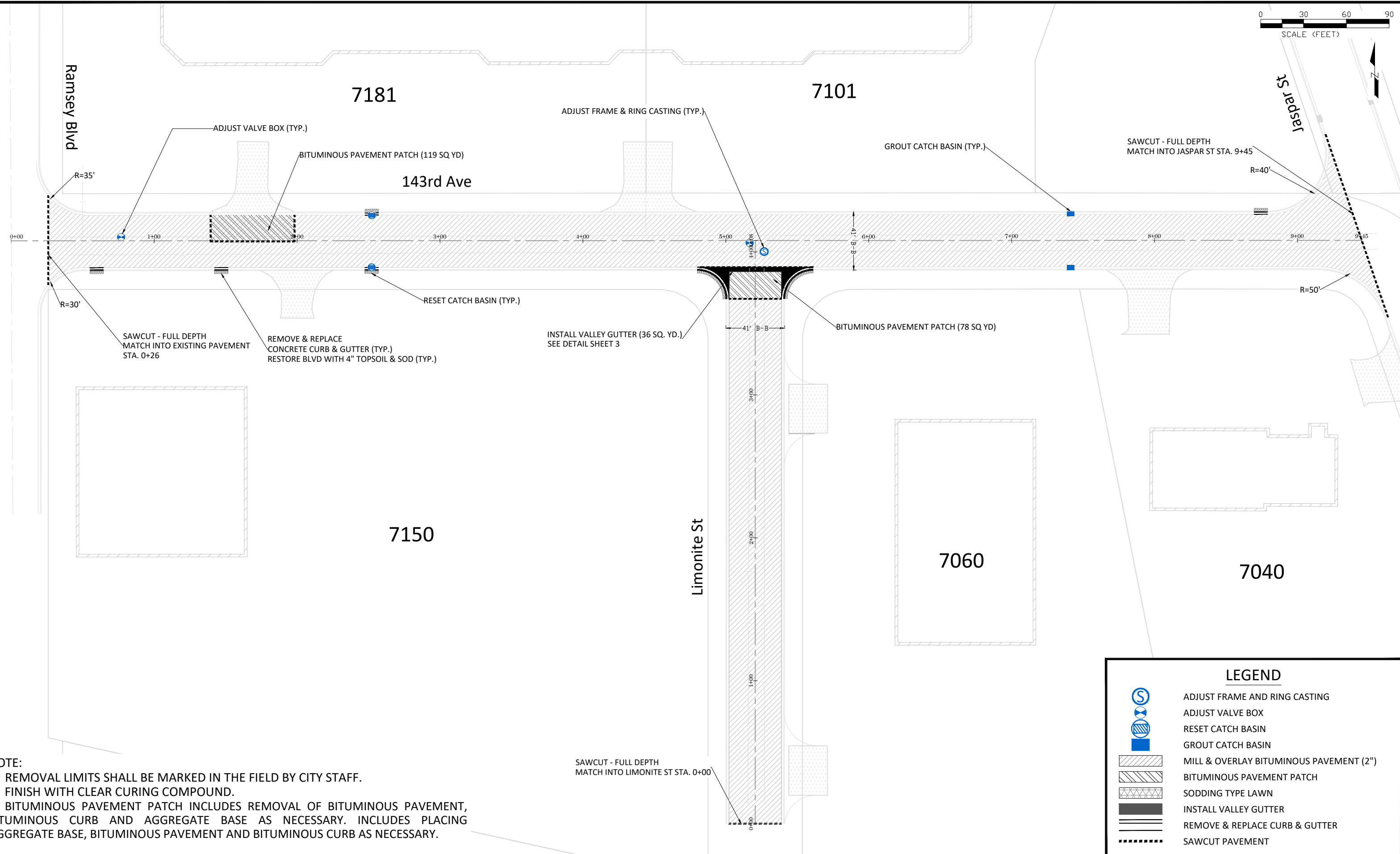
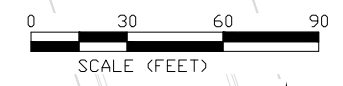
DESIGNED BY:	LWC	DATE:	03/19/21
DRAWN BY:	LWC	FILE:	21-04
CHECKED BY:	JJF		



**CITY OF RAMSEY**  
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**FERRUM 1ST & 2ND OVERLAY**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
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 CITY OF RAMSEY, MINNESOTA



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**LEGEND**

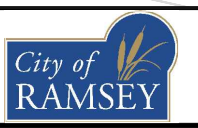
- ADJUST FRAME AND RING CASTING
- ADJUST VALVE BOX
- RESET CATCH BASIN
- GROUT CATCH BASIN
- MILL & OVERLAY BITUMINOUS PAVEMENT (2")
- BITUMINOUS PAVEMENT PATCH
- SODDING TYPE LAWN
- INSTALL VALLEY GUTTER
- REMOVE & REPLACE CURB & GUTTER
- SAWCUT PAVEMENT

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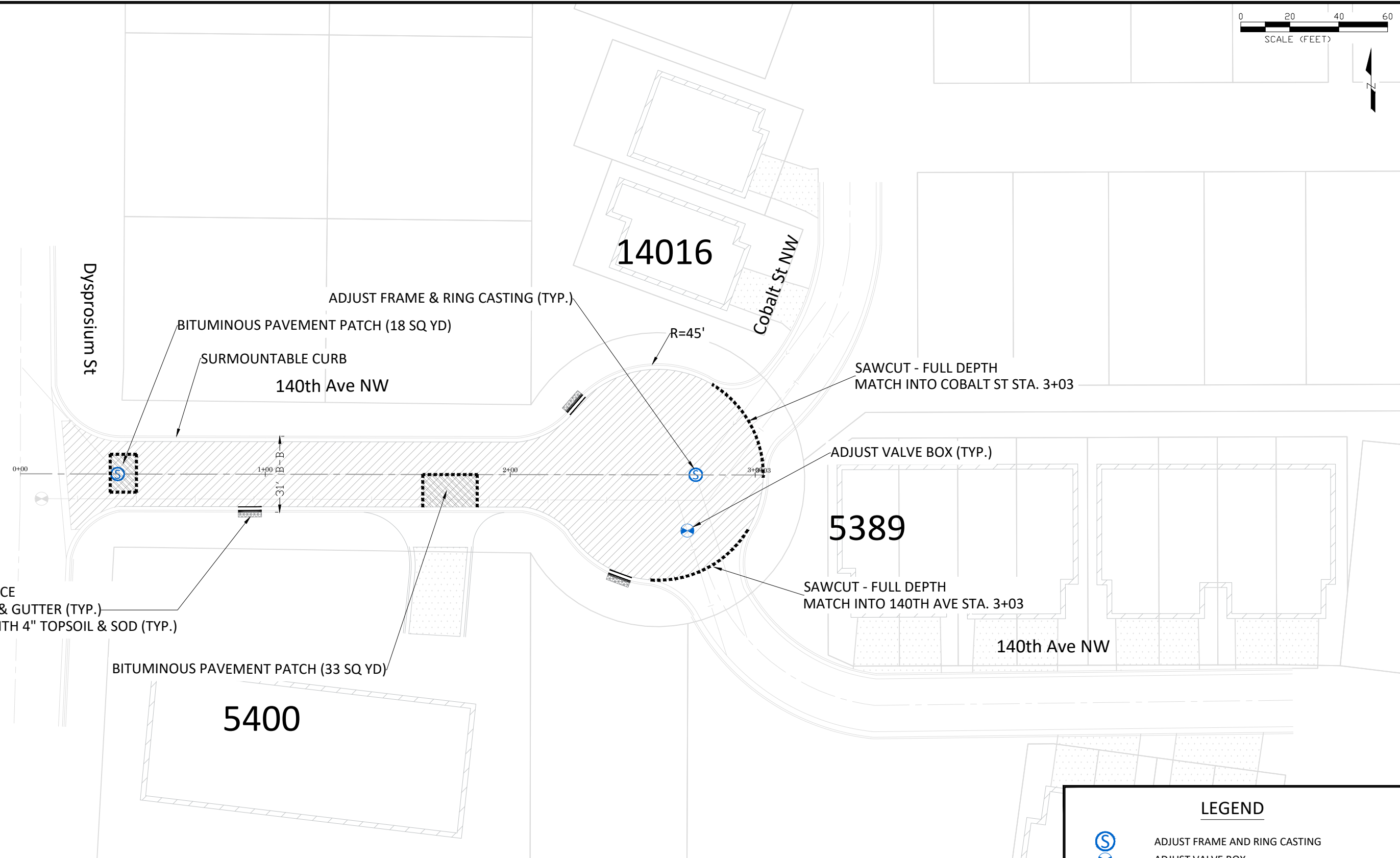
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**GATEWAY INDUSTRIAL PARK OVERLAY**

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 CITY OF RAMSEY, MINNESOTA



REMOVE & REPLACE  
CONCRETE CURB & GUTTER (TYP.)  
RESTORE BLVD WITH 4" TOPSOIL & SOD (TYP.)

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**LEGEND**

	ADJUST FRAME AND RING CASTING
	ADJUST VALVE BOX
	MILL & OVERLAY BITUMINOUS PAVEMENT (2")
	BITUMINOUS PAVEMENT PATCH
	SODDING TYPE LAWN
	REMOVE & REPLACE CURB & GUTTER
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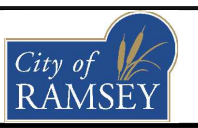
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 DRAWN BY: LWC  
 CHECKED BY: JJF

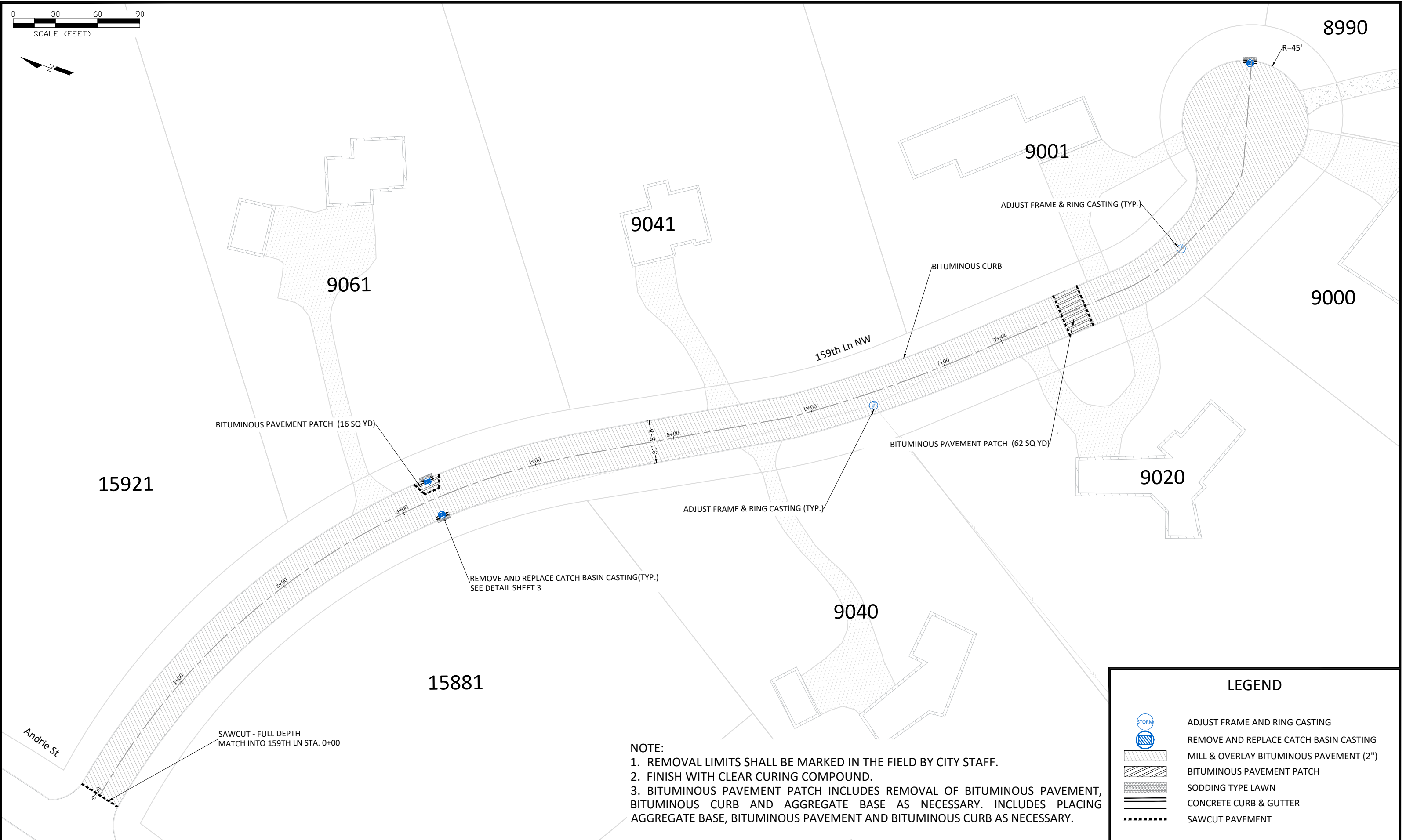
DATE: 03/19/21  
 FILE: 21-04



**CITY OF RAMSEY**  
 7550 SUNWOOD DRIVE  
 RAMSEY, MN 55303  
 (763) 427-1410 FAX (763) 433-9898

**MALLARD PONDS OVERLAY**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
**CITY PROJECT NO. 21-04**  
 CITY OF RAMSEY, MINNESOTA



**NOTE:**  
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**LEGEND**

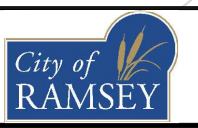
	ADJUST FRAME AND RING CASTING
	REMOVE AND REPLACE CATCH BASIN CASTING
	MILL & OVERLAY BITUMINOUS PAVEMENT (2")
	BITUMINOUS PAVEMENT PATCH
	SODDING TYPE LAWN
	CONCRETE CURB & GUTTER
	SAWCUT PAVEMENT

DATE	REVISION

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JOE FERIANCEK  
 Date 3/22/21 Lic. No. 57095

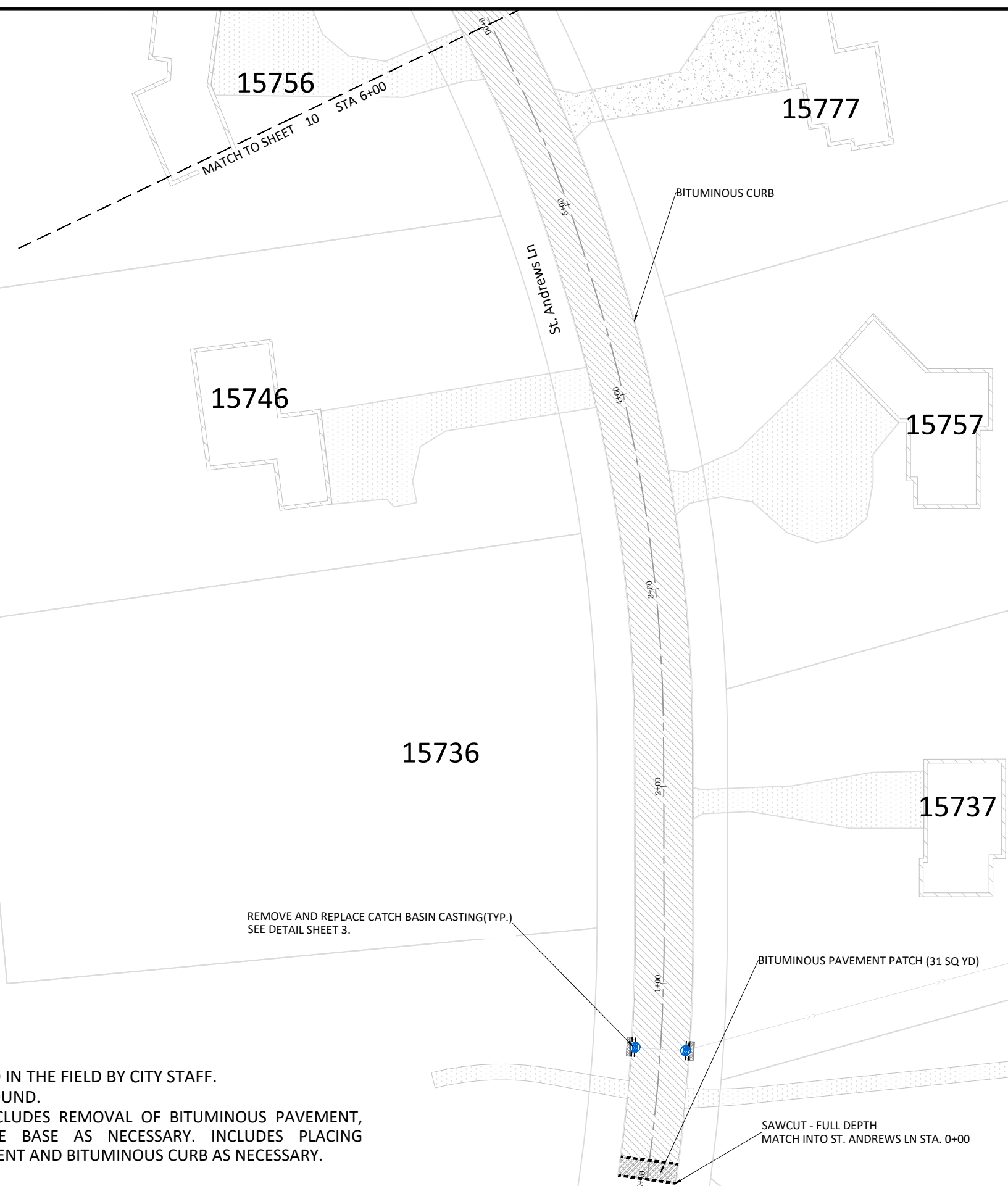
DESIGNED BY:	LWC
DRAWN BY:	LWC
CHECKED BY:	JJF



**CITY OF RAMSEY**  
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 (763) 427-1410 FAX (763) 433-9898







**NORTHFORK ITASCA POINT OVERLAY**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
**CITY PROJECT NO. 21-04**  
 CITY OF RAMSEY, MINNESOTA



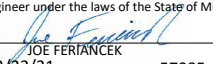
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**LEGEND**

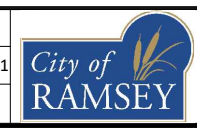
-  REMOVE AND REPLACE CATCH BASIN CASTING
-  MILL & OVERLAY BITUMINOUS PAVEMENT (2")
-  BITUMINOUS PAVEMENT PATCH
-  SODDING TYPE LAWN
-  CONCRETE CURB & GUTTER
-  SAWCUT PAVEMENT

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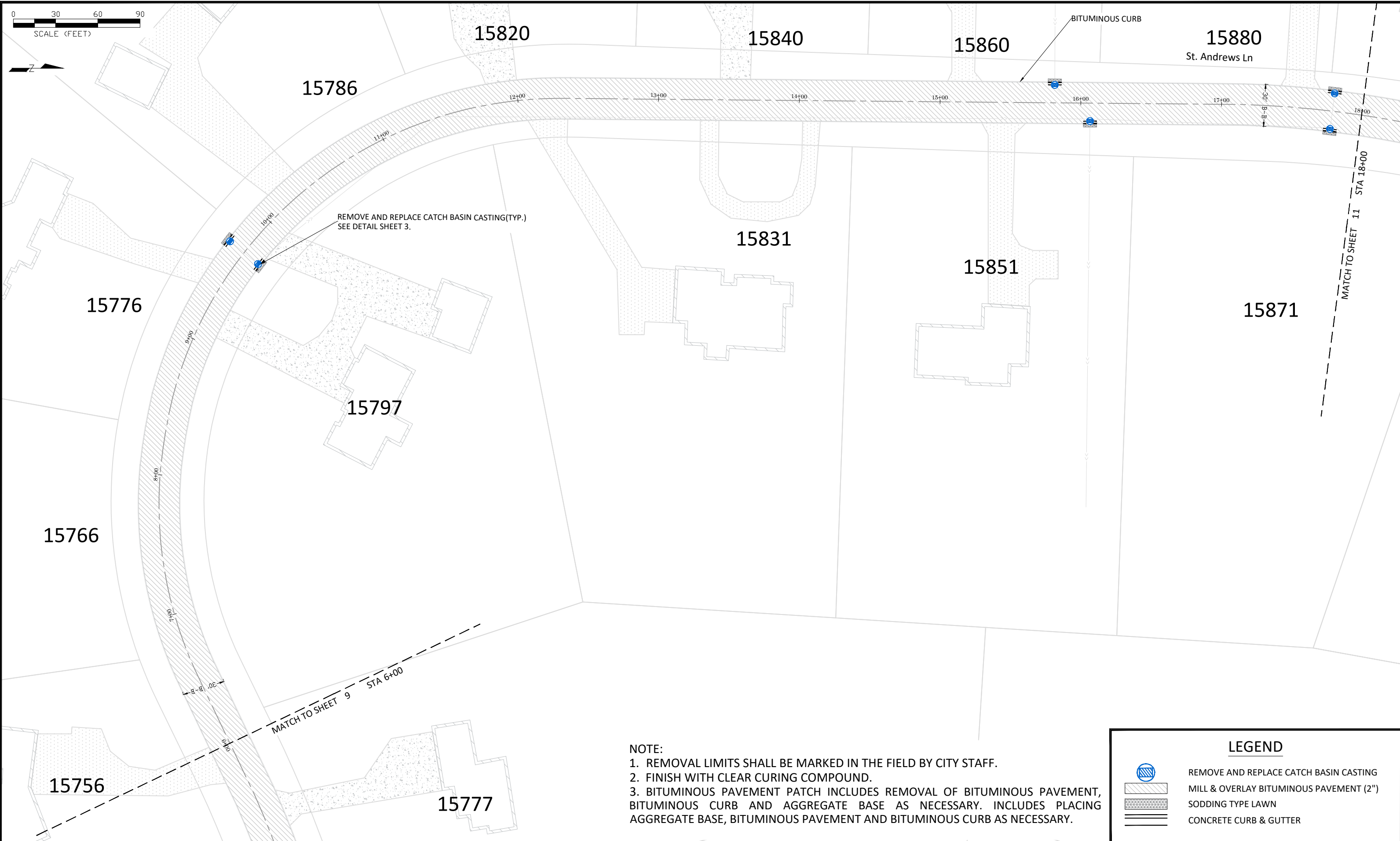
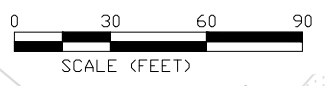
DESIGNED BY:	LWC	DATE:	03/19/21
DRAWN BY:	LWC	FILE:	21-04
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**CITY OF RAMSEY**  
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**NORTHFORK ST. ANDREWS OVERLAY**  
 STA 0+00-6+00

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
 CITY PROJECT NO. 21-04  
 CITY OF RAMSEY, MINNESOTA



REMOVE AND REPLACE CATCH BASIN CASTING(TYP.)  
SEE DETAIL SHEET 3.

BITUMINOUS CURB

15880  
St. Andrews Ln

MATCH TO SHEET 11 STA 18+00

MATCH TO SHEET 9 STA 6+00

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**LEGEND**

- REMOVE AND REPLACE CATCH BASIN CASTING
- MILL & OVERLAY BITUMINOUS PAVEMENT (2")
- SODDING TYPE LAWN
- CONCRETE CURB & GUTTER

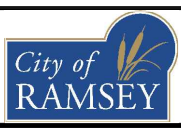
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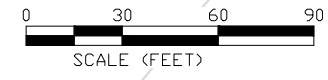
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CITY OF RAMSEY  
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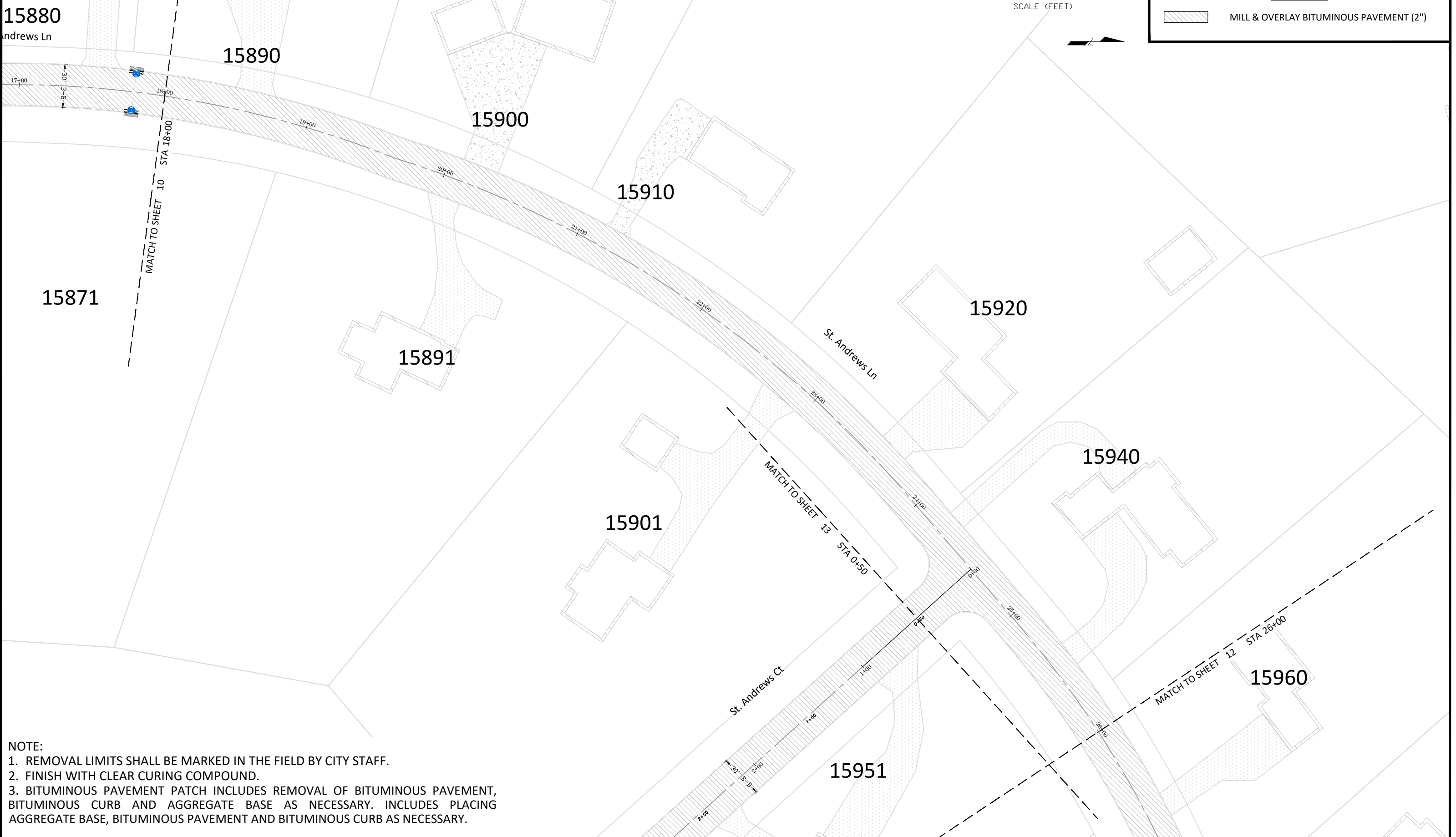
NORTHFORK ST. ANDREWS OVERLAY  
STA 6+00-18+00

2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS  
CITY PROJECT NO. 21-04  
CITY OF RAMSEY, MINNESOTA



**LEGEND**

MILL & OVERLAY BITUMINOUS PAVEMENT (2")



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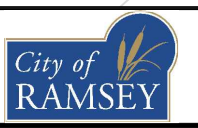
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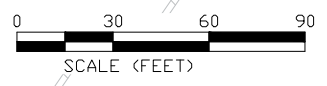
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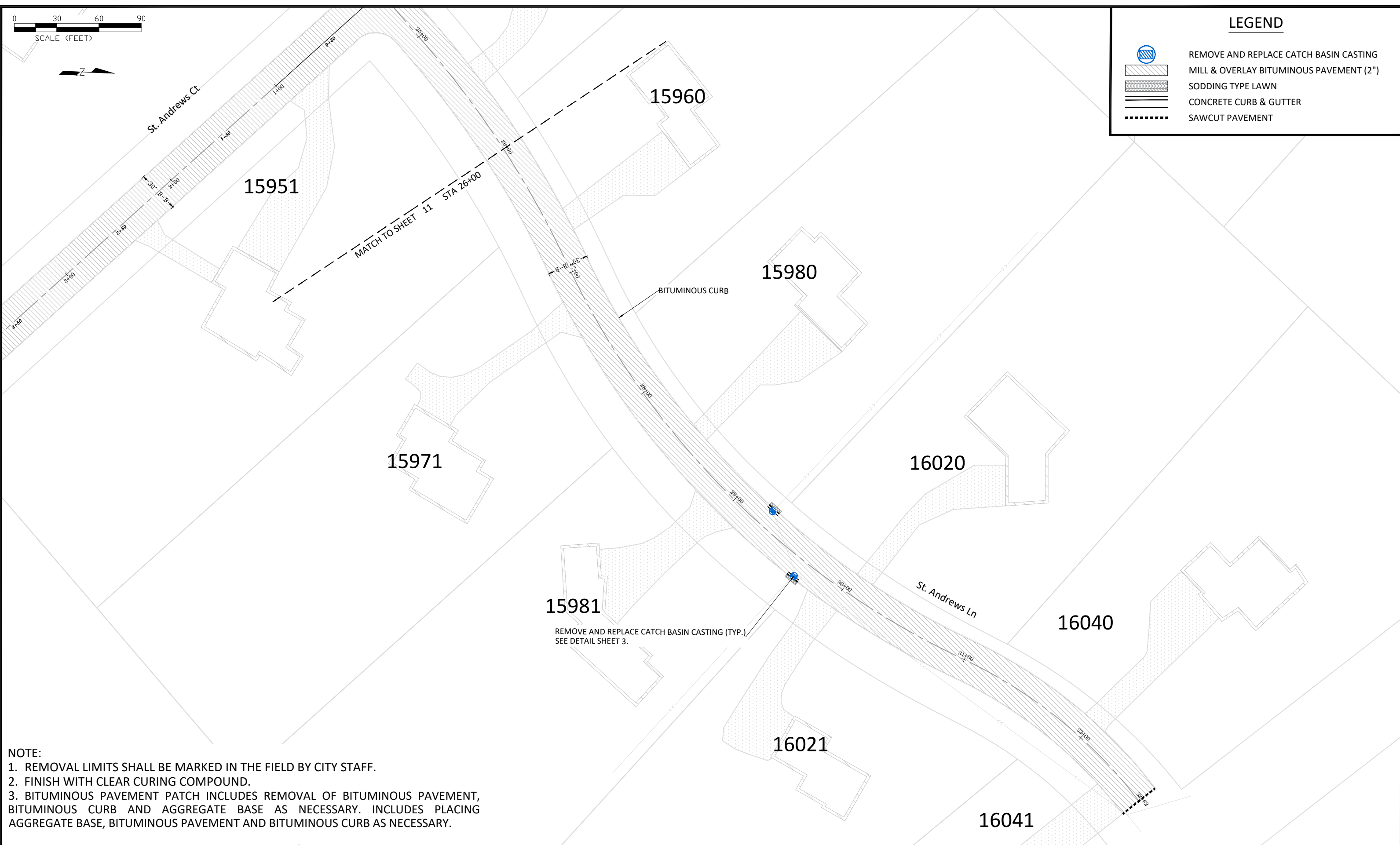
**NORTHFORK ST. ANDREWS OVERLAY**  
 STA 18+00-26+00

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
 CITY PROJECT NO. 21-04  
 CITY OF RAMSEY, MINNESOTA



**LEGEND**

-  REMOVE AND REPLACE CATCH BASIN CASTING
-  MILL & OVERLAY BITUMINOUS PAVEMENT (2")
-  SODDING TYPE LAWN
-  CONCRETE CURB & GUTTER
-  SAWCUT PAVEMENT



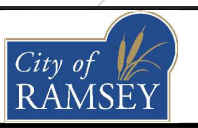
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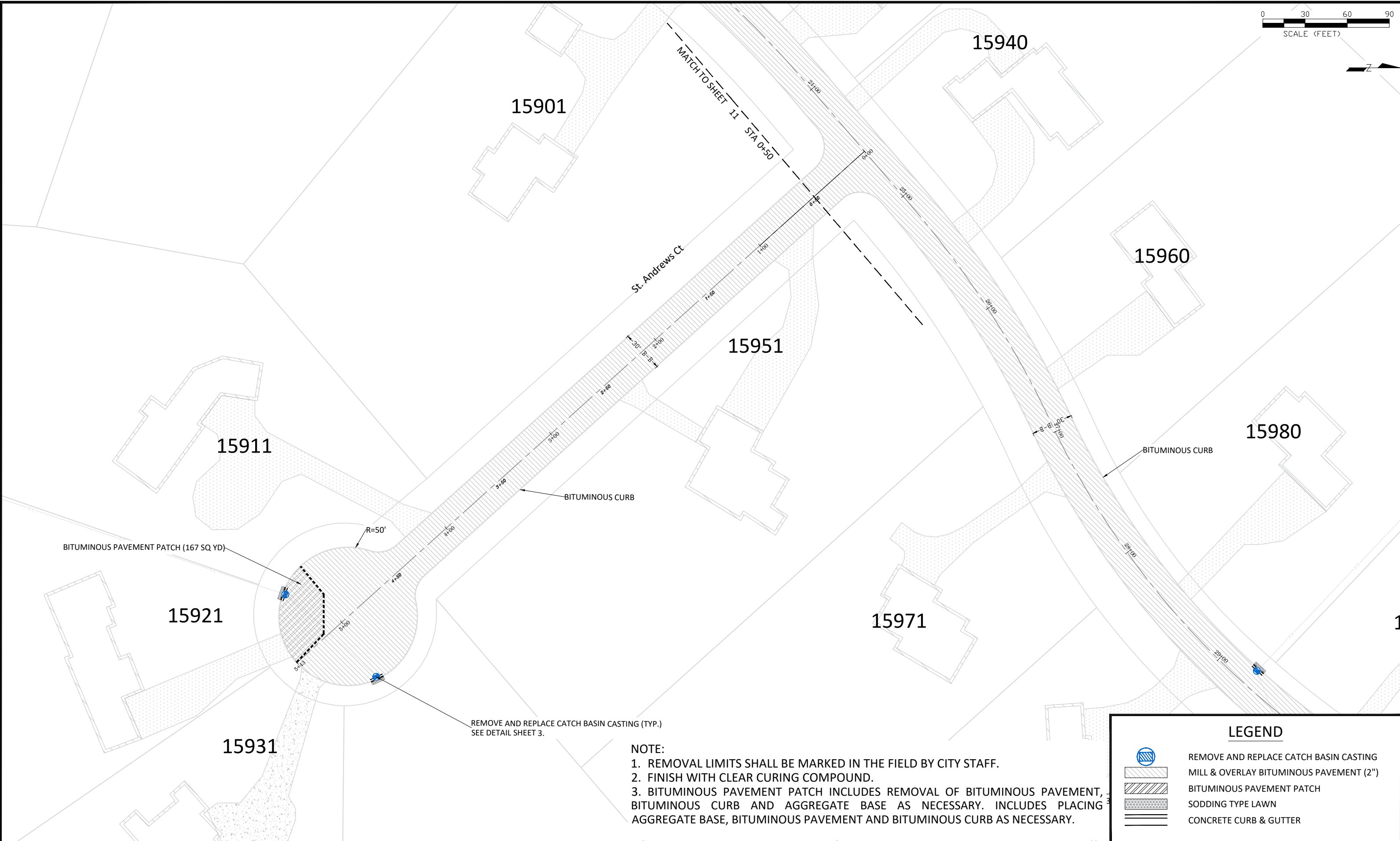
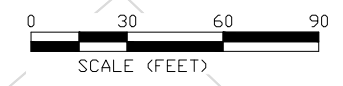
DESIGNED BY:	LWC	DATE:	03/19/21
DRAWN BY:	LWC	FILE:	21-04
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**NORTHFORK ST. ANDREWS OVERLAY**  
 STA 26+00 - 32+62

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
 CITY PROJECT NO. 21-04  
 CITY OF RAMSEY, MINNESOTA



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**LEGEND**

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	MILL & OVERLAY BITUMINOUS PAVEMENT (2")
	BITUMINOUS PAVEMENT PATCH
	SODDING TYPE LAWN
	CONCRETE CURB & GUTTER

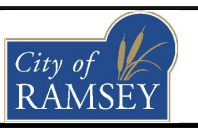
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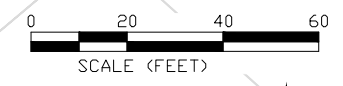
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 RAMSEY, MN 55303  
 (763) 427-1410 FAX (763) 433-9898

**NORTHFORK ST. ANDREWS OVERLAY -  
 ST. ANDREWS CT**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS  
 CITY PROJECT NO. 21-04  
 CITY OF RAMSEY, MINNESOTA**



Inverness Ln

9450

Inverness Ct

BITUMINOUS CURB

9460

R=50'

9490


REMOVE AND REPLACE CATCH BASIN CASTING (TYP.)  
SEE DETAIL SHEET 3.

9480

9470

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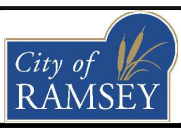
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-  MILL & OVERLAY BITUMINOUS PAVEMENT (2")
-  SODDING TYPE LAWN
-  CONCRETE CURB & GUTTER
-  SAWCUT PAVEMENT

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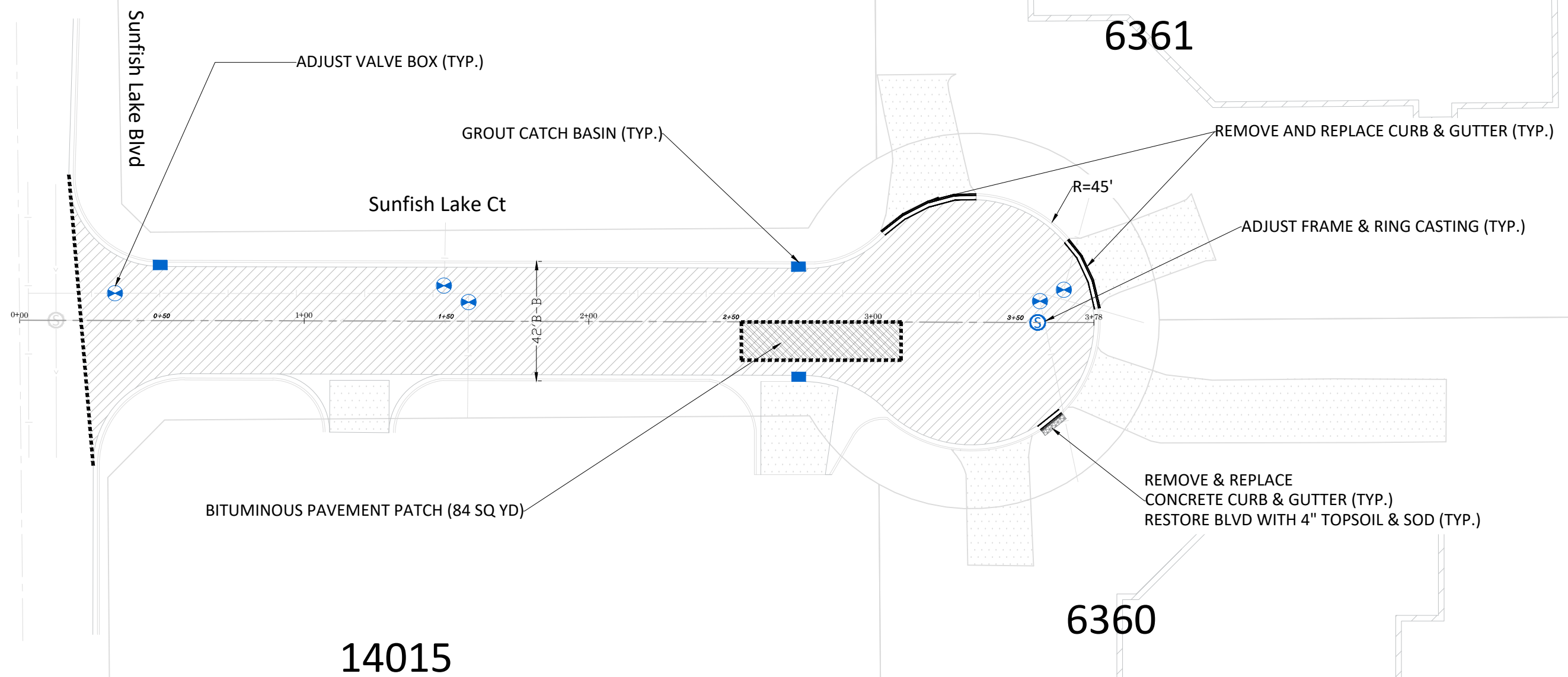
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**CITY OF RAMSEY**  
 7550 SUNWOOD DRIVE  
 RAMSEY, MN 55303  
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**NORTHFORK ST. ANDREWS OVERLAY-  
 INVERNESS CT**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
 CITY PROJECT NO. 21-04  
 CITY OF RAMSEY, MINNESOTA



ADJUST VALVE BOX (TYP.)

GROUT CATCH BASIN (TYP.)

Sunfish Lake Blvd

Sunfish Lake Ct

6361

REMOVE AND REPLACE CURB & GUTTER (TYP.)

R=45'

ADJUST FRAME & RING CASTING (TYP.)

0+00 0+50 1+00 1+50 2+00 2+50 3+00 3+50 3+75

42'-B-B

BITUMINOUS PAVEMENT PATCH (84 SQ YD)

REMOVE & REPLACE CONCRETE CURB & GUTTER (TYP.)  
RESTORE BLVD WITH 4" TOPSOIL & SOD (TYP.)

6360

14015

**LEGEND**

	ADJUST FRAME AND RING CASTING
	ADJUST VALVE BOX
	GROUT CATCH BASIN
	MILL & OVERLAY BITUMINOUS PAVEMENT (2")
	BITUMINOUS PAVEMENT PATCH
	SODDING TYPE LAWN
	REMOVE & REPLACE CURB & GUTTER
	SAWCUT PAVEMENT

**NOTE:**

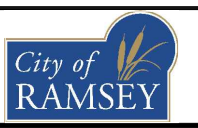
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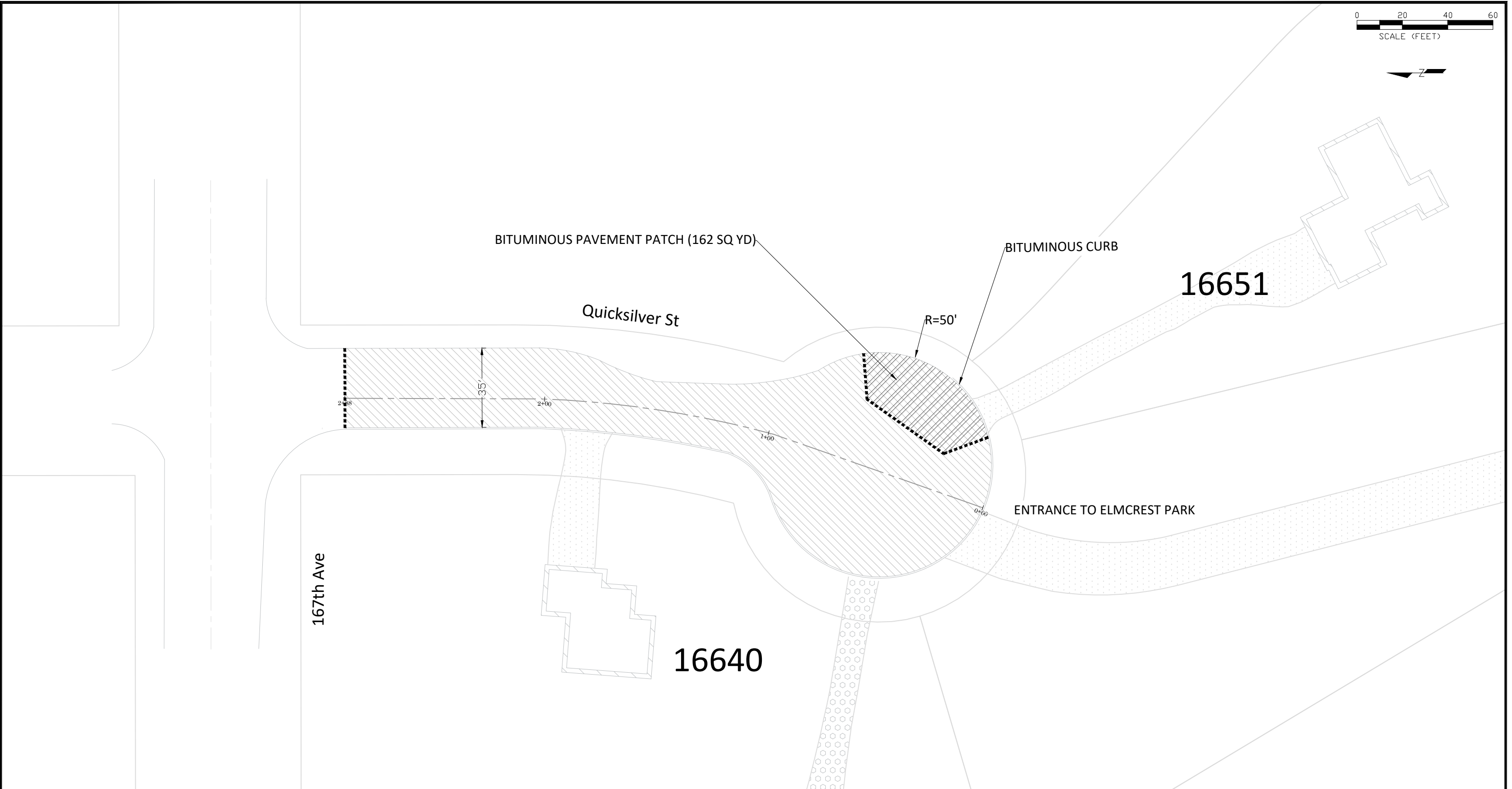
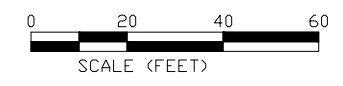
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**CITY OF RAMSEY**  
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**OAKRIDGE INDUSTRIAL PARK OVERLAY**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
**CITY PROJECT NO. 21-04**  
 CITY OF RAMSEY, MINNESOTA



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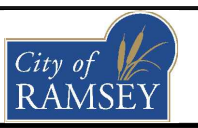
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	BITUMINOUS PAVEMENT PATCH
	SAWCUT PAVEMENT

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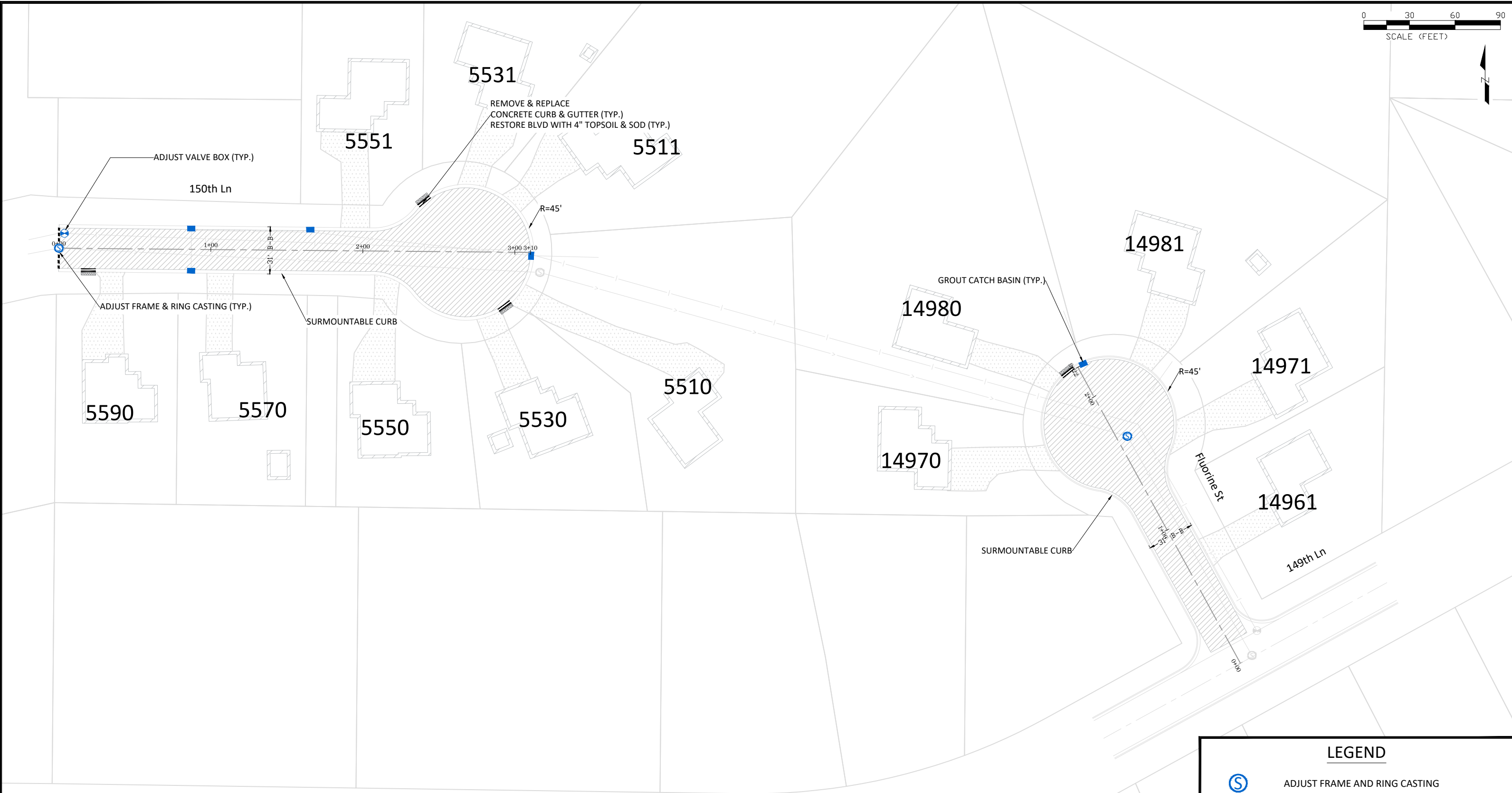
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**RABBIT RUN OVERLAY**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
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 CITY OF RAMSEY, MINNESOTA



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**LEGEND**

- ADJUST FRAME AND RING CASTING
- ADJUST VALVE BOX
- GROUT CATCH BASIN
- MILL & OVERLAY BITUMINOUS PAVEMENT (2")
- BITUMINOUS PAVEMENT PATCH
- SODDING TYPE LAWN
- REMOVE & REPLACE CURB & GUTTER
- SAWCUT PAVEMENT

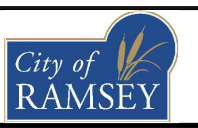
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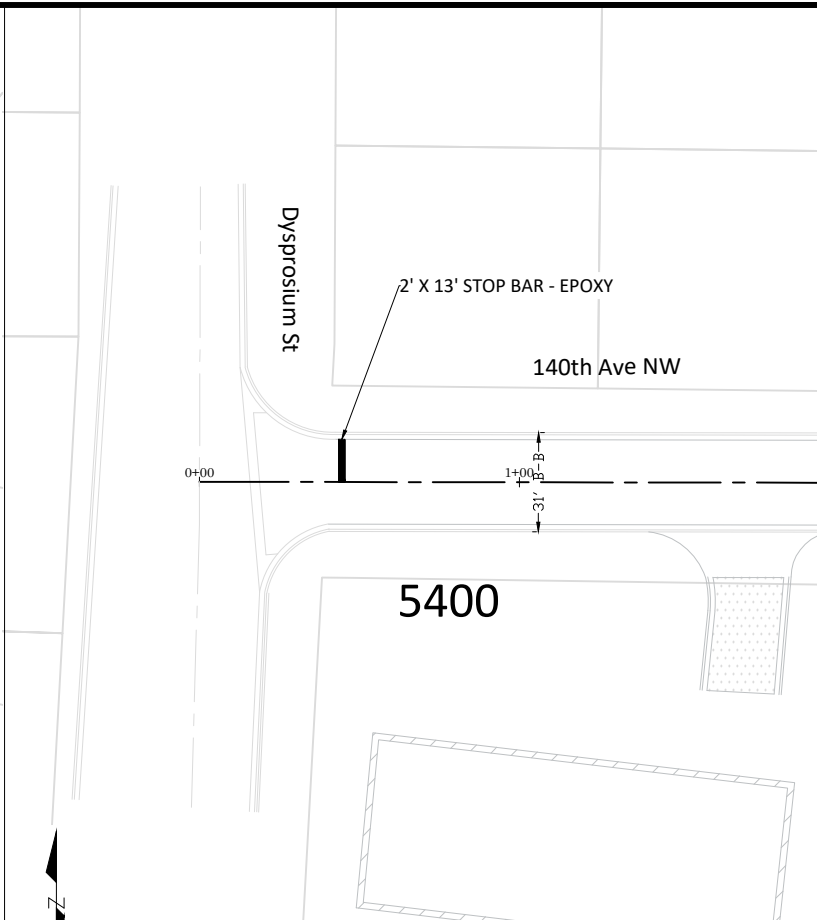
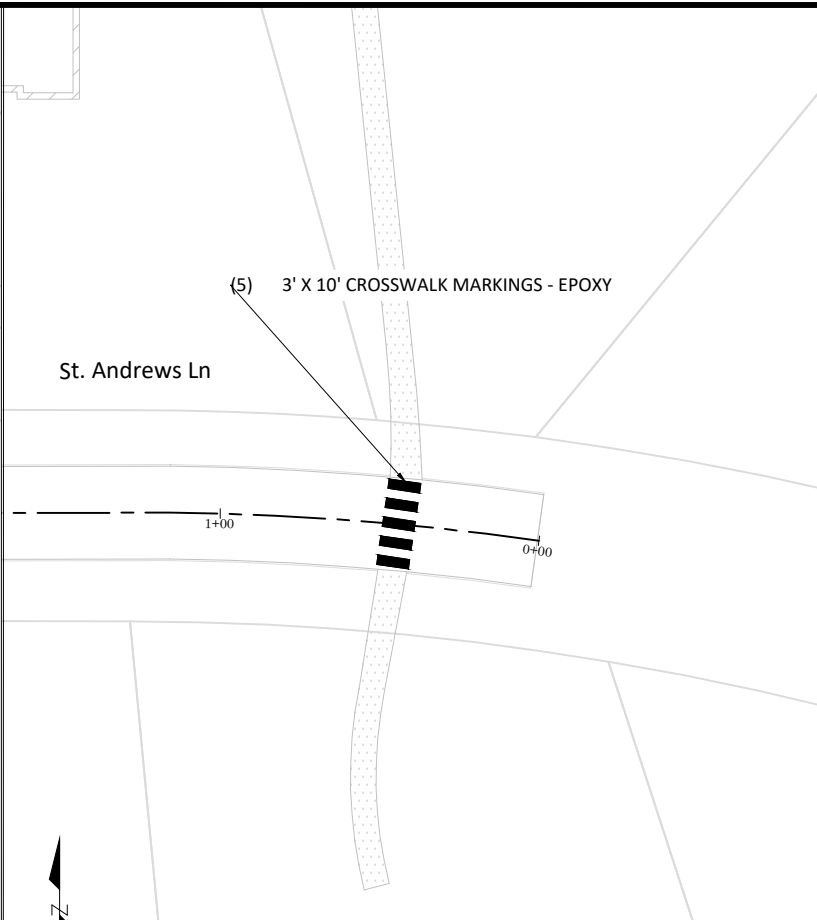
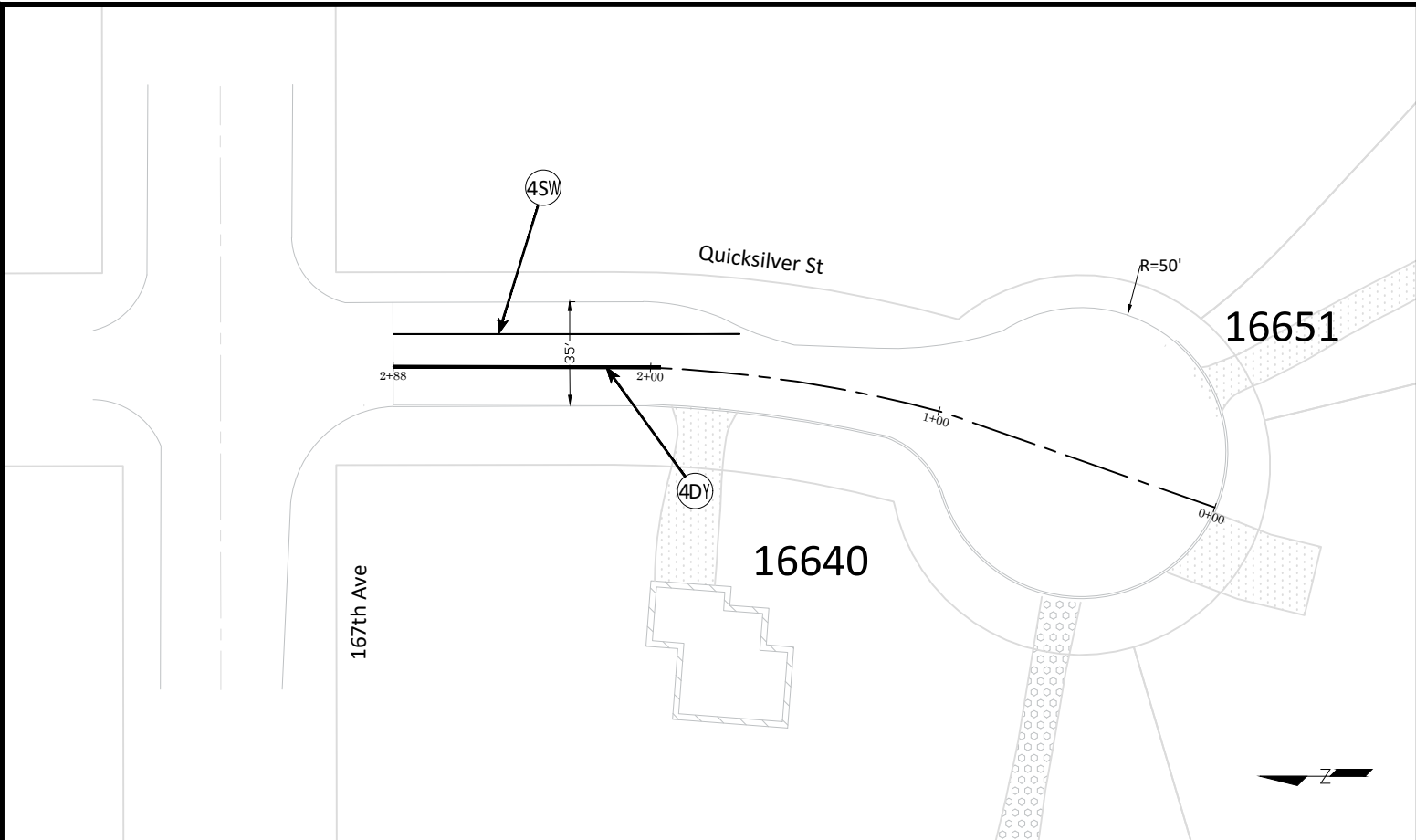
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**RAMSEY MEADOWS 2ND OVERLAY**

**2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS**  
 CITY PROJECT NO. 21-04  
 CITY OF RAMSEY, MINNESOTA



**LEGEND**

PAVEMENT MARKING

CROSSWALK MARKING

TURN ARROW

**STRIPING KEY & LEGEND**

CIRCLE - EPOXY

1ST DIGIT WIDTH 4", 8", ETC.

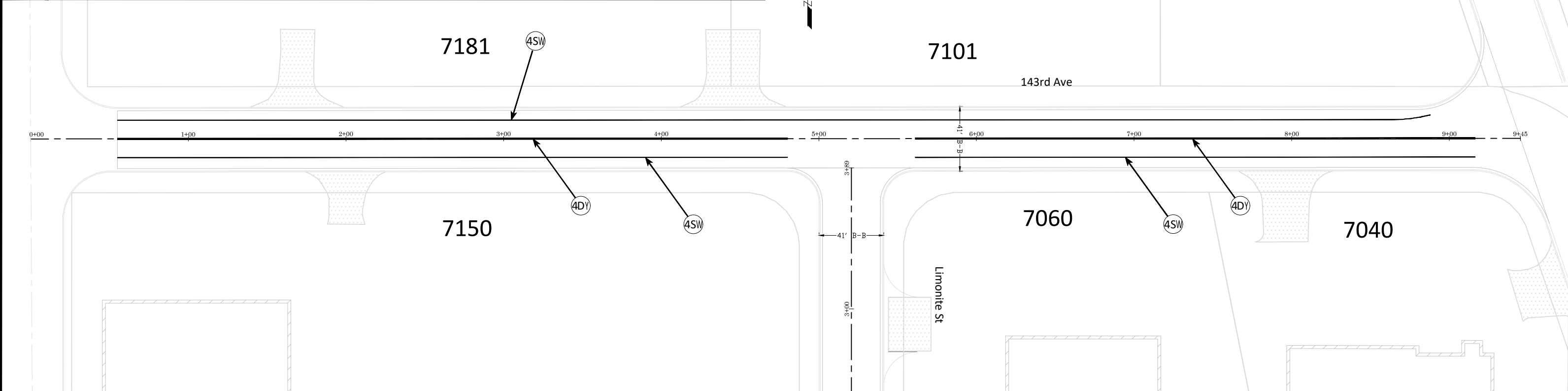
2ND DIGIT PATTERN S-SOLID B-BROKEN D-DOUBLE

3RD DIGIT COLOR W-WHITE Y-YELLOW B-BLACK

EXAMPLE: (4SW) = 4" SOLID WHITE - EPOXY

SCALE (FEET)

0 30 60 90



DATE	REVISION

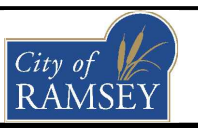
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CITY OF RAMSEY  
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PAVEMENT MARKING PLAN

2021 NEIGHBORHOOD OVERLAY IMPROVEMENTS  
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