

170TH STREET EAST IMPROVEMENTS

CONSTRUCTION PLANS FOR OVERLAY PROJECT

CREDIT RIVER TOWNSHIP, MINNESOTA

TOWN PROJECT 13-02

GOVERNING SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL APPLY.

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

WORK SHALL CONFORM TO THE STANDARD UTILITY SPECIFICATIONS AS PUBLISHED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA, 1999 REVISION.

ALL REQUIREMENTS OF THE PROJECT MANUAL FOR 170TH STREET EAST IMPROVEMENTS DATED 5/17/13.

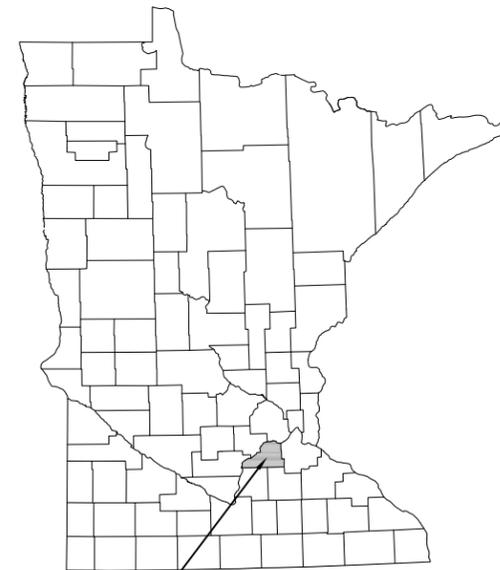
SHEET INDEX

THIS PLAN CONTAINS 10 SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES AND DETAILS
3-6	CONSTRUCTION PLAN
7-10	STRIPING PLAN



**PROJECT
LOCATION**



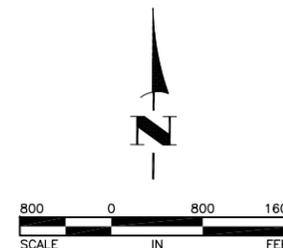
**CREDIT RIVER TOWNSHIP
SCOTT COUNTY, MINNESOTA**

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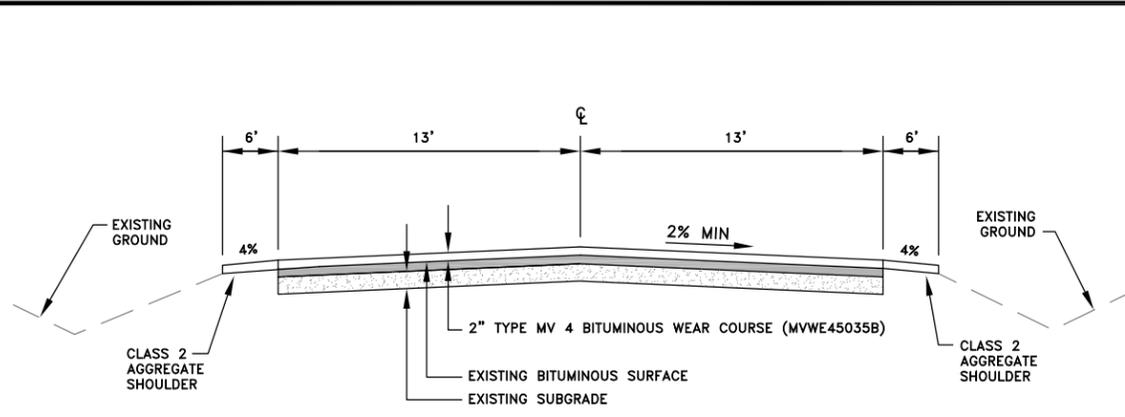
43381 DATE 5/17/13
 SHANE M. NELSON, P.E. LIC. NO.
 HAKANSON ANDERSON
 DESIGN ENGINEER

DATE	REVISION

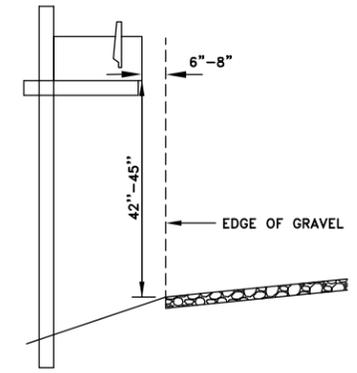
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA." SEE SPECIFICATIONS.



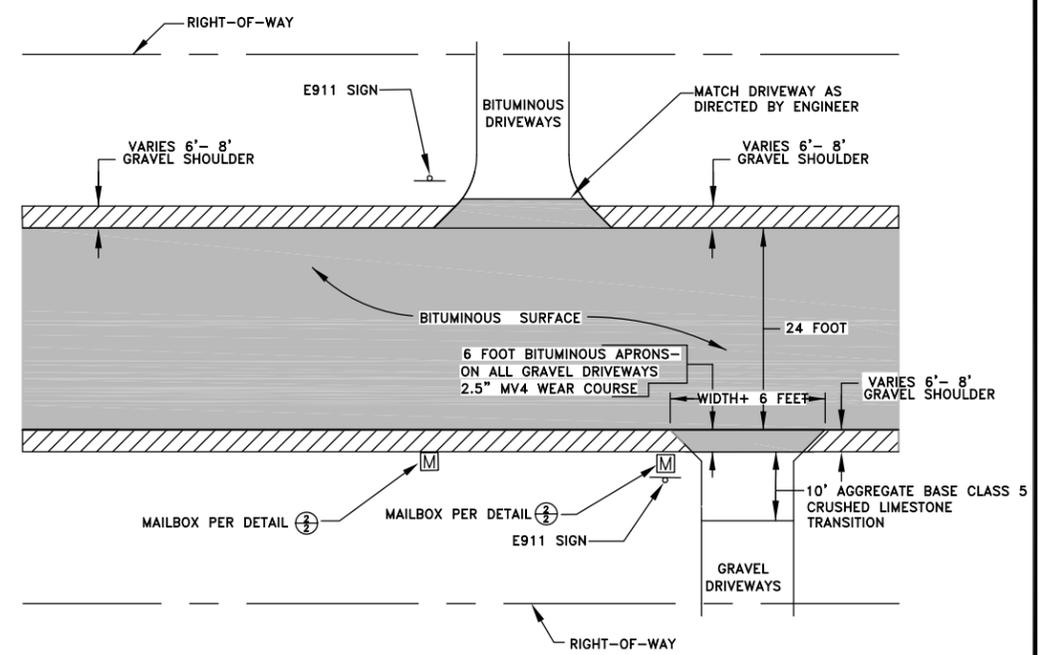
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1
2 **BITUMINOUS OVERLAY SECTION**
NO SCALE



2
2 **MAIL BOX HEIGHT DETAIL**
NO SCALE



3
2 **TYPICAL DRIVEWAY CONNECTIONS**
NO SCALE

CONSTRUCTION AND SOILS NOTES

ALL GRAVEL DRIVEWAYS SHALL MATCH THE BITUMINOUS APRON WITH CLASS 5 AGGREGATE BASE AS SHOWN ON THE DETAILS.

PROVIDE A 2" X 2' MILL AT MATCH POINTS OF EXISTING BITUMINOUS ROADS.

THE STREET SHALL BE THOROUGHLY CLEANED AND SWEEPED PRIOR TO THE CONSTRUCTION OF THE BITUMINOUS OVERLAY. SWEEPING/CLEANING SHALL BE INCIDENTAL TO OTHER WORK AND NO DIRECT COMPENSATION SHALL BE MADE.

PRIOR TO CONSTRUCTION OF THE BITUMINOUS OVERLAY, TACK COAT SHALL BE APPLIED TO THE EXISTING BITUMINOUS SURFACE.

BASIS OF ESTIMATED QUANTITIES	
Aggregate Base Class 5	100lbs/yd ² /in
Wearing Course Bituminous Mixture	110lbs/yd ² /in
Bituminous Material for Tack Coat	0.05Gal/yd ²

SCHEDULE OF ESTIMATED QUANTITIES

SCHEDULE "A"			
ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION (MAX. 3% OF TOTAL BID)	LS	1
2	RELOCATE MAILBOX SUPPORT	EACH	26
3	SAWING BITUMINOUS PAVEMENT	LF	300
4	REMOVE BITUMINOUS PAVEMENT	SY	220
5	AGGREGATE BASE CLASS 5	TON	30
6	AGGREGATE BASE CLASS 2 (SHOULDERING)	TON	475
7	MILL BITUMINOUS SURFACE (2")	SY	100
8	TYPE MV 4 WEARING COURSE MIXTURE (B)	TON	1720
9	BITUMINOUS MATERIAL FOR TACK COAT	GAL	730
10	TRAFFIC CONTROL	LS	1
11	4" DOUBLE SOLID LINE YELLOW - EPOXY	LF	4850
12	4" SOLID LINE WHITE - EPOXY	LF	9500

May 17, 2013 - 4:06pm K:\road_eng\PROJECTS\MUNICIPAL\CT311\dwg\CT311 DETAIL.dwg

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Shane M. Nelson
SHANE M. NELSON, P.E.
Date 5/17/13 Lic. No. 43381

DESIGNED BY: SMN
DRAWN BY: JAP
CHECKED BY: BCW



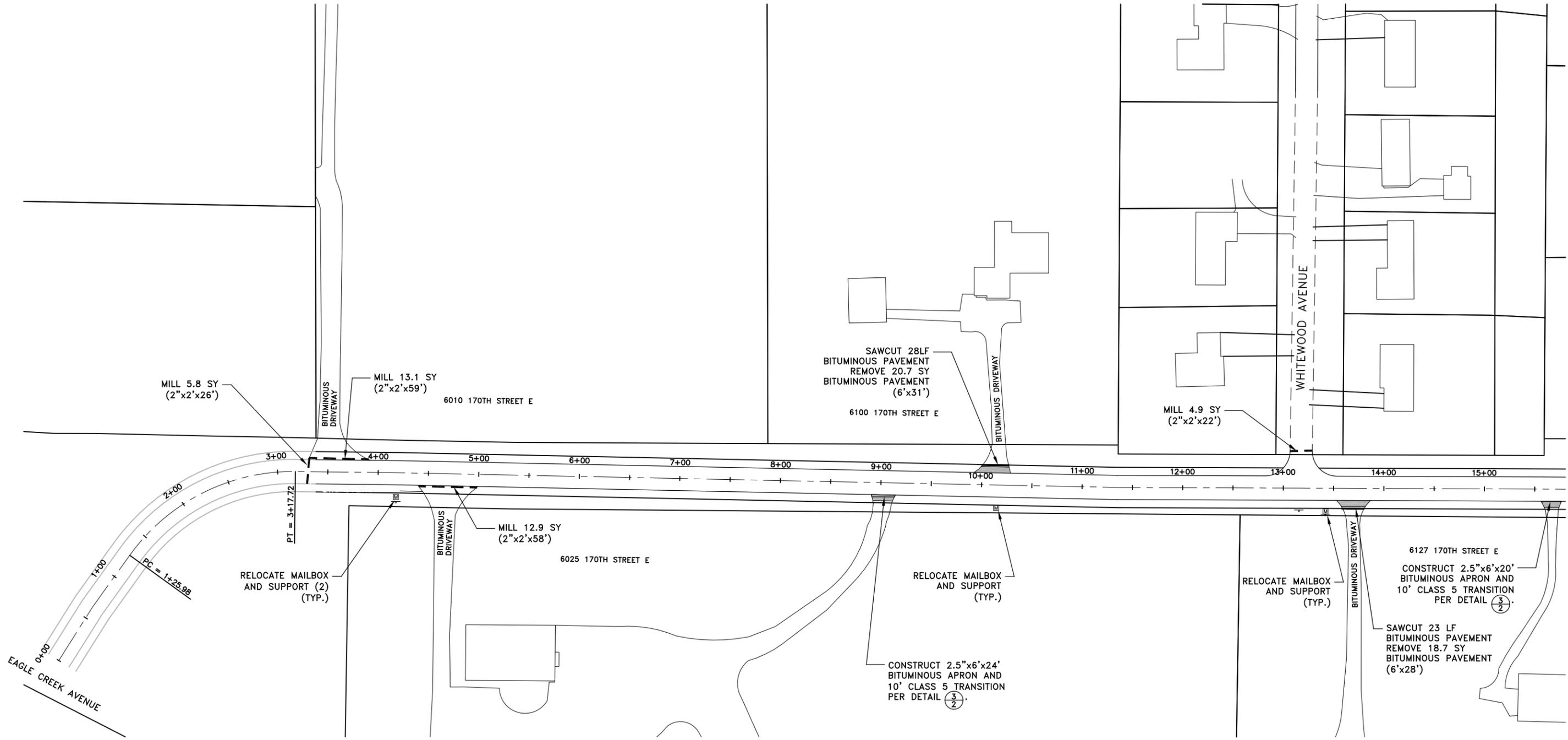
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170TH STREET EAST
BITUMINOUS OVERLAY

DETAILS AND ESTIMATED QUANTITIES
CREDIT RIVER TOWNSHIP

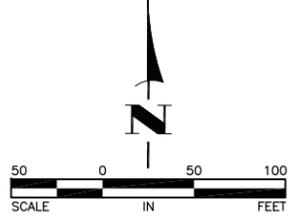
2 OF 10 SHEETS

May 17, 2013 - 4:02pm
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NOTE:
 1) ALL DRIVEWAY MILLING WIDTHS TO BE VERIFIED IN THE FIELD. ADDITIONAL WIDTH MAY BE NECESSARY TO PROVIDE A SMOOTH DRIVEWAY SLOPE.
 2) ALL MAILBOXES SHALL BE RELOCATED PER $\frac{3}{2}$.

- LEGEND
- BITUMINOUS MILLING
 - ☐ MAILBOX
 - SIGN
 - ⊕ POWER POLE
 - ⊙ GUY WIRE



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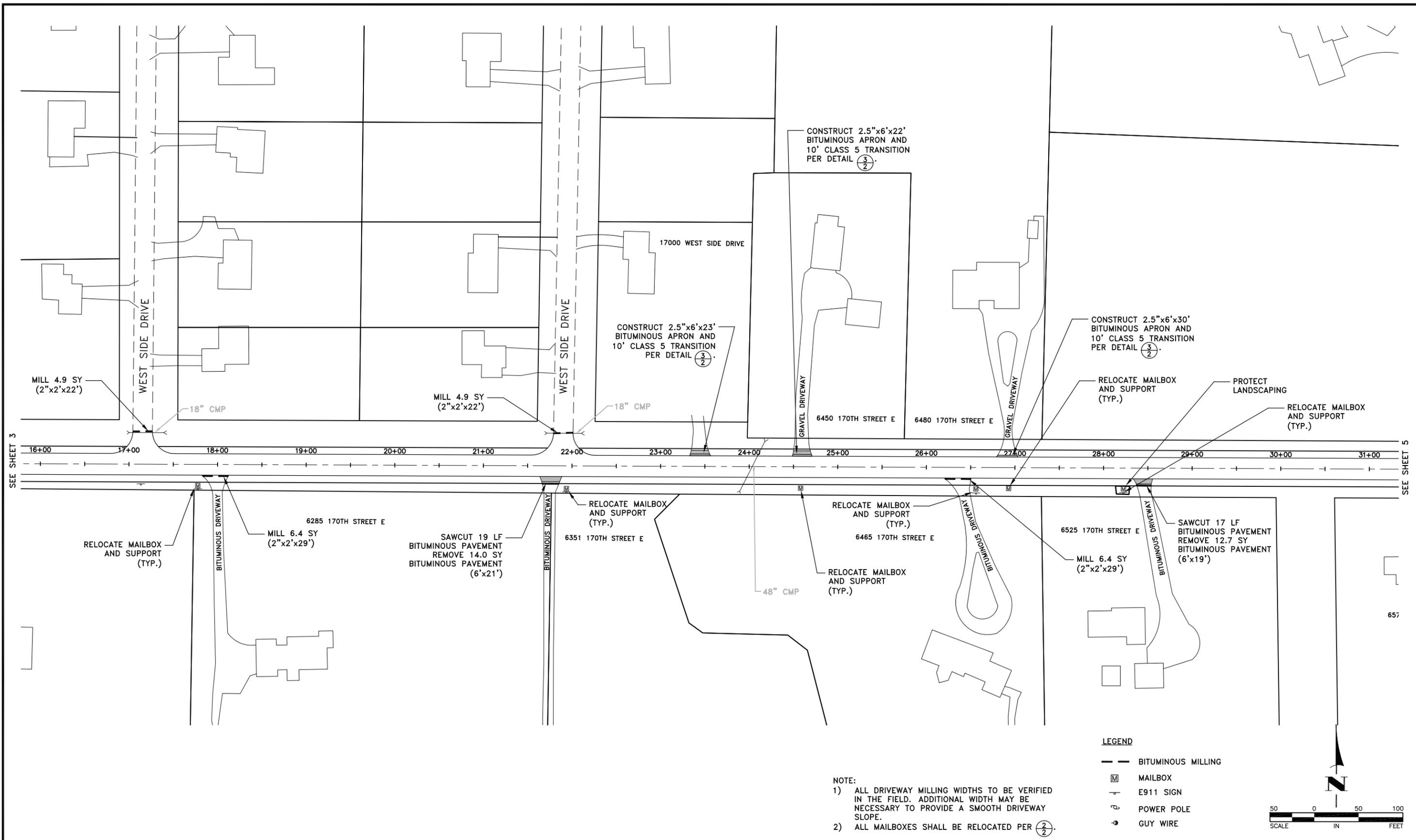
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170TH STREET EAST
 BITUMINOUS OVERLAY

CONSTRUCTION PLAN
 CREDIT RIVER TOWNSHIP

3 OF 10 SHEETS

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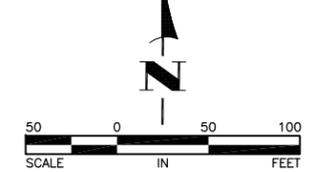


SEE SHEET 3

SEE SHEET 5

- LEGEND**
- BITUMINOUS MILLING
 - ☒ MAILBOX
 - ⊙ E911 SIGN
 - ⊙ POWER POLE
 - ⊙ GUY WIRE

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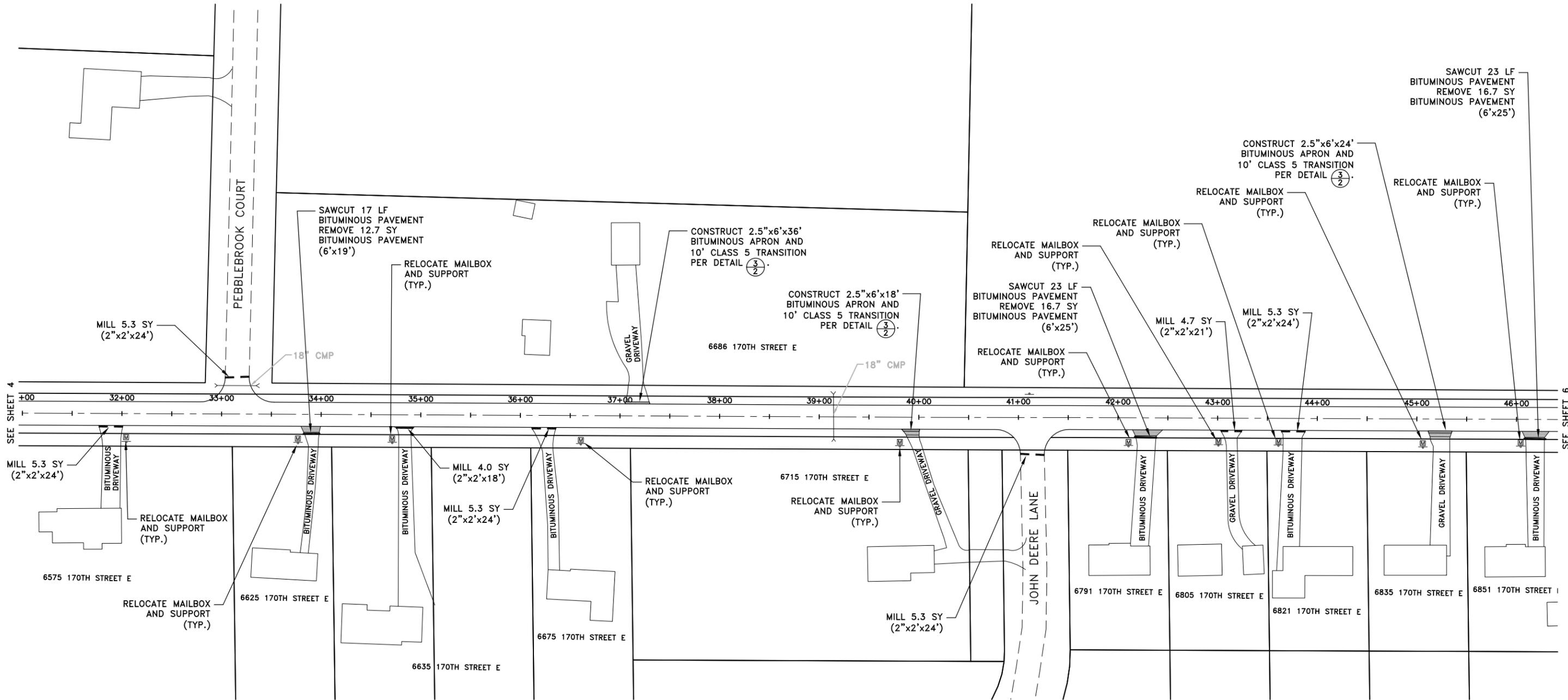
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**170TH STREET EAST
 BITUMINOUS OVERLAY**

**CONSTRUCTION PLAN
 CREDIT RIVER TOWNSHIP**

4 OF 10 SHEETS

May 17, 2013 - 4:02pm
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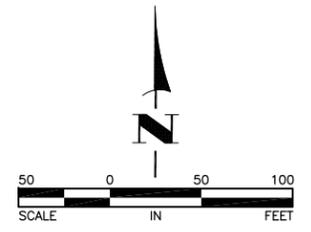


SEE SHEET 4

SEE SHEET 6

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LEGEND
 — BITUMINOUS MILLING
 [M] MAILBOX
 + E911 SIGN
 ⊕ POWER POLE
 ● GUY WIRE



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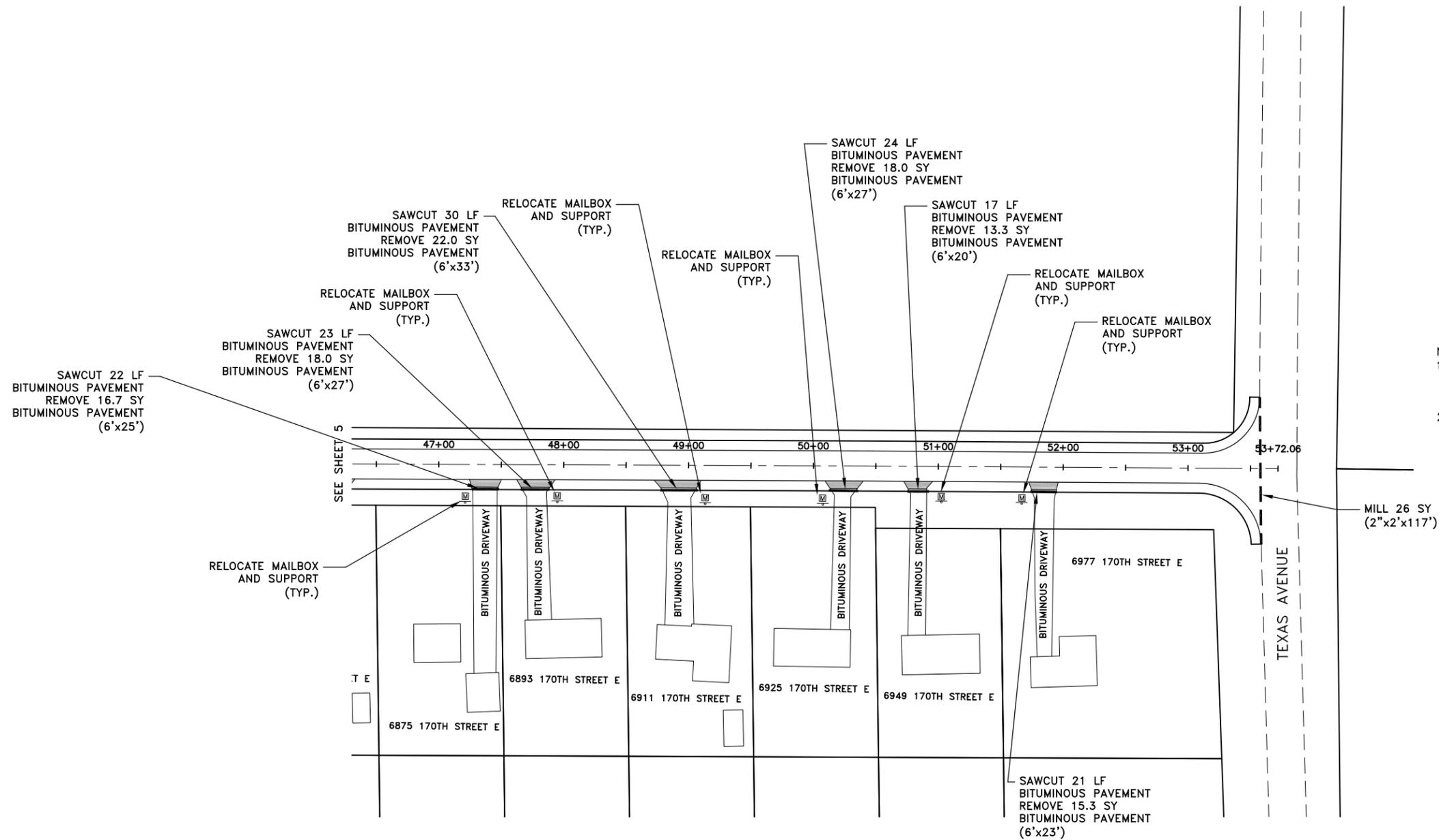
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**170TH STREET EAST
 BITUMINOUS OVERLAY**

**CONSTRUCTION PLAN
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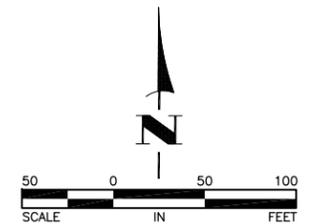
5 OF 10 SHEETS

May 17, 2013 - 4:03pm
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- LEGEND
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 - ☒ MAILBOX
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 - ⊙ POWER POLE
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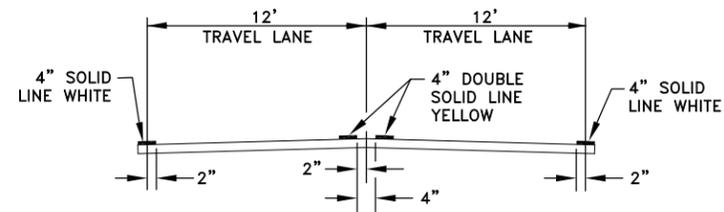
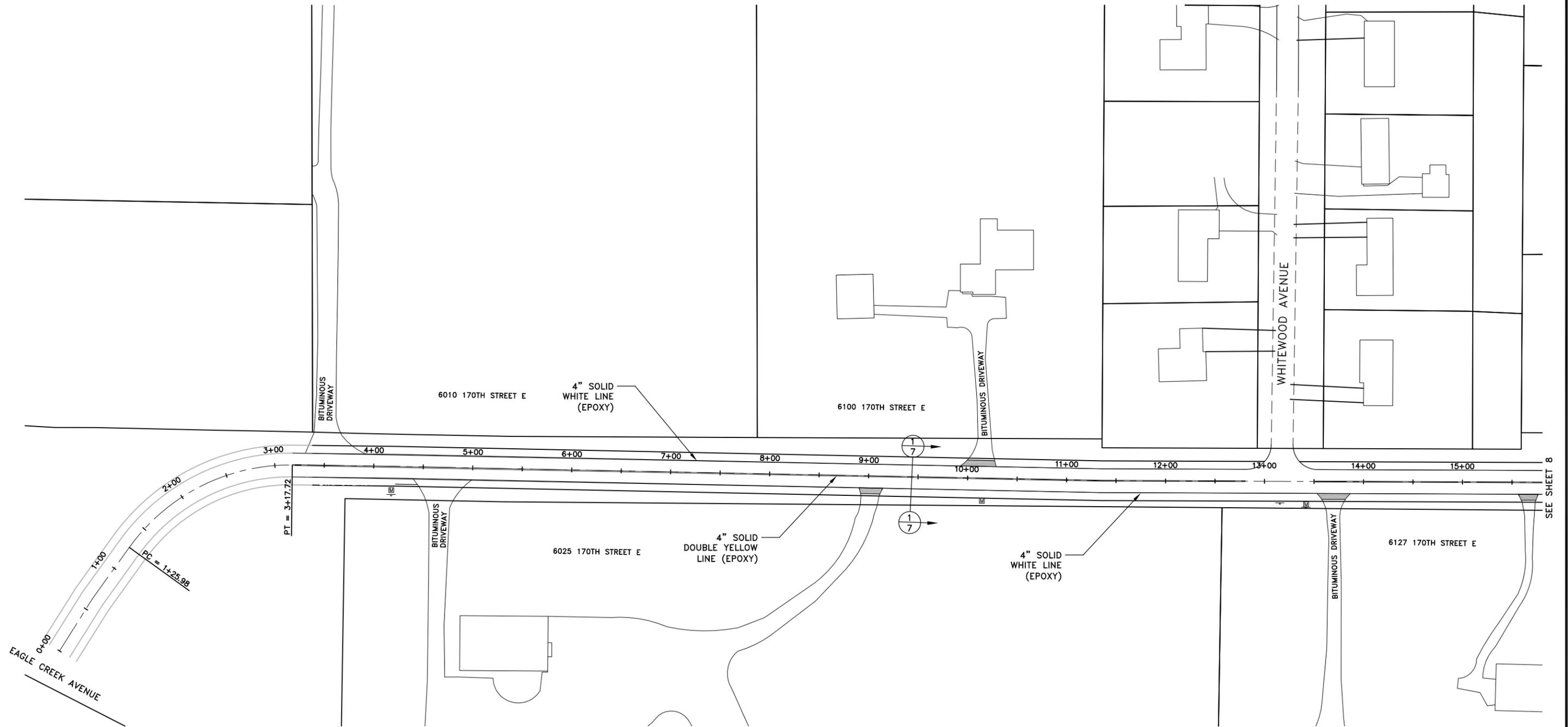
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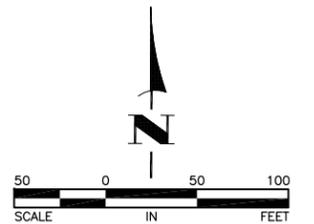
CONSTRUCTION PLAN
 CREDIT RIVER TOWNSHIP

6 OF 10 SHEETS

May 17, 2013 - 4:04pm
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1
7
TYPICAL STRIPING



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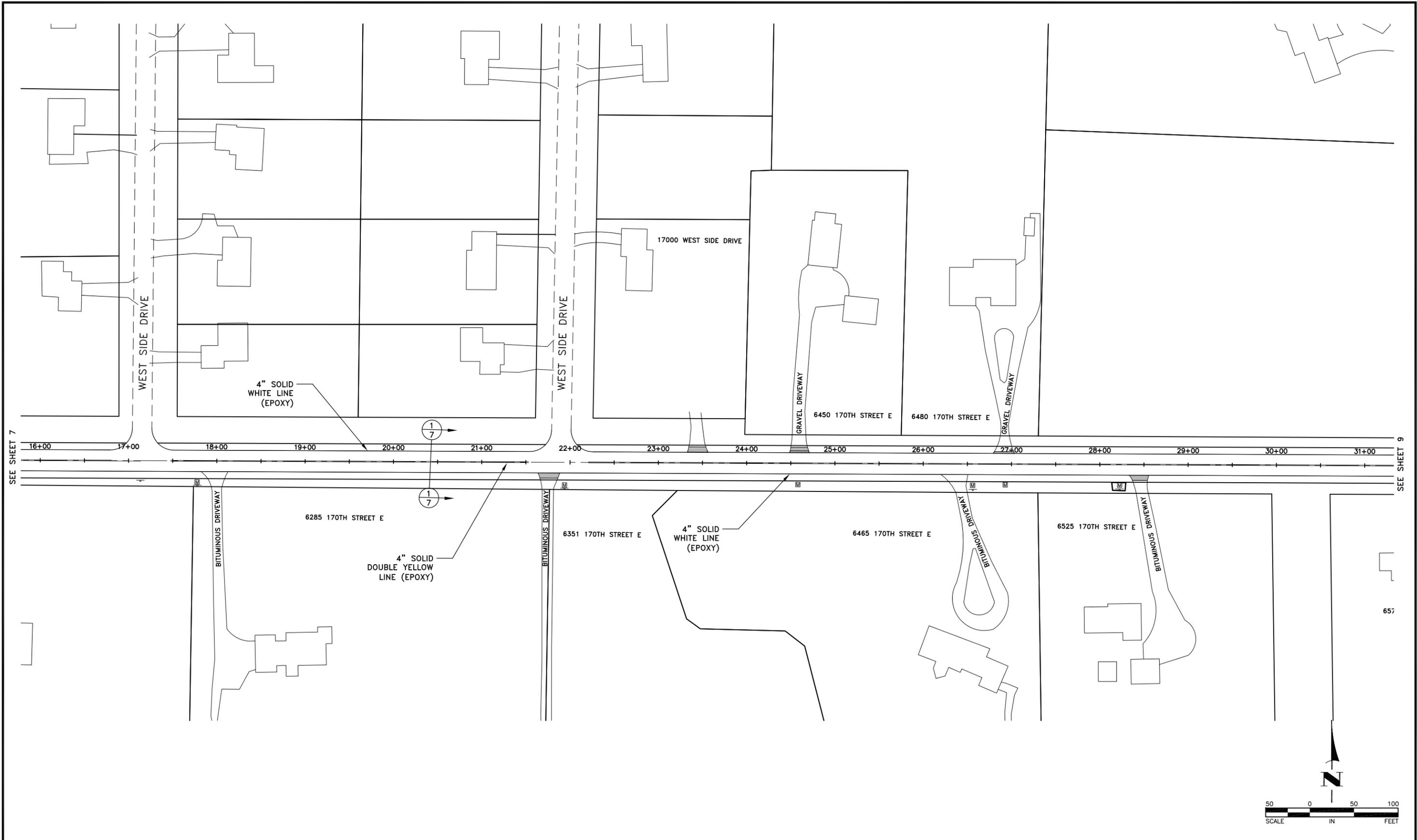
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**170TH STREET EAST
 BITUMINOUS OVERLAY**

**STRIPING PLAN
 CREDIT RIVER TOWNSHIP**

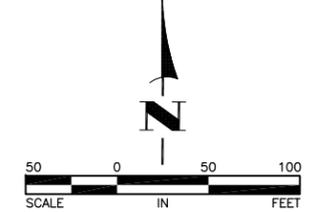
7 OF 10 SHEETS

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SEE SHEET 7

SEE SHEET 9



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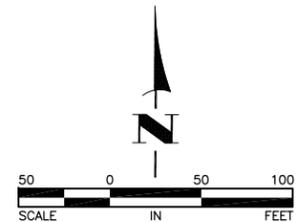
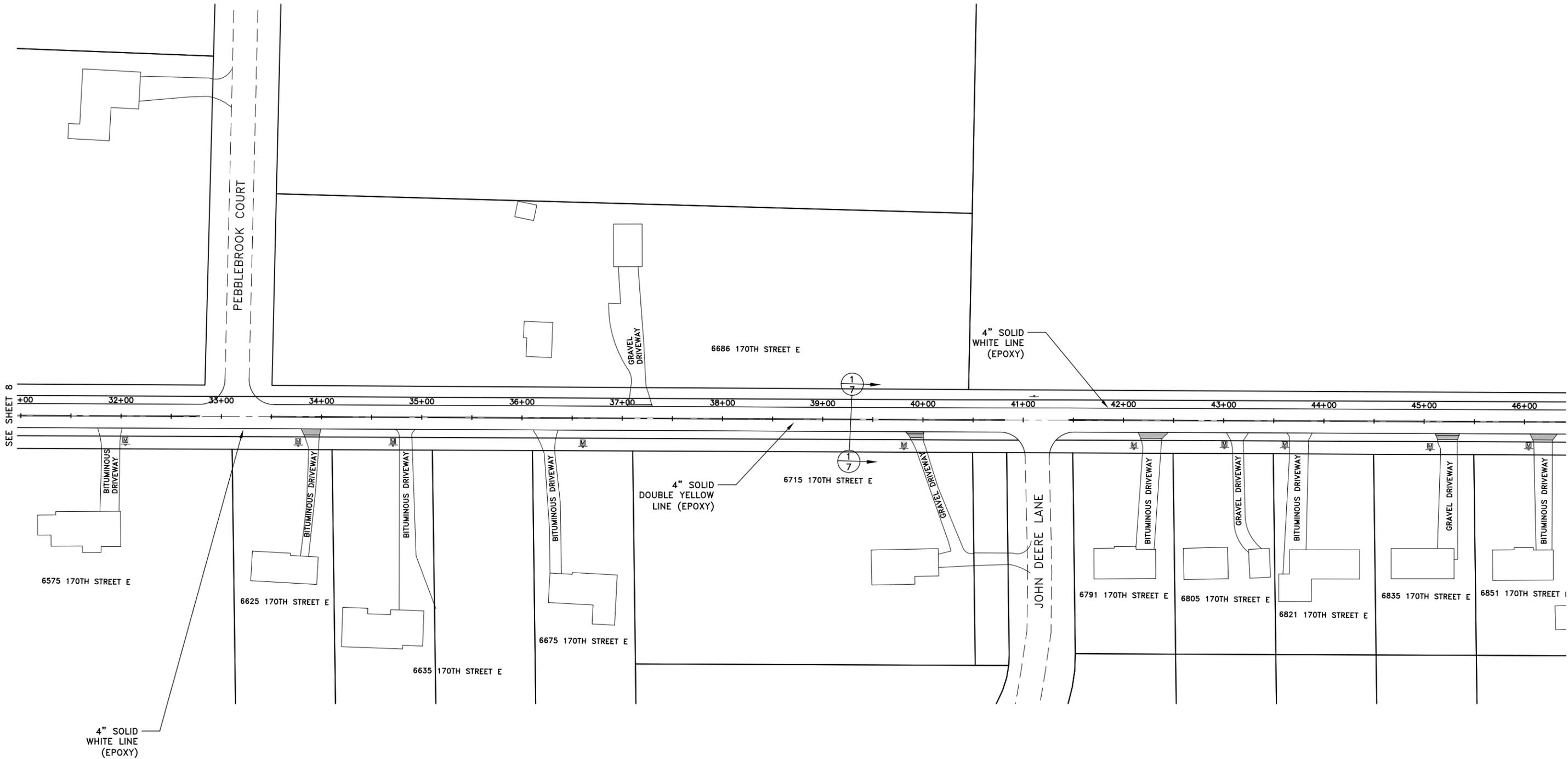
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**170TH STREET EAST
 BITUMINOUS OVERLAY**

**STRIPING PLAN
 CREDIT RIVER TOWNSHIP**

8 OF 10 SHEETS

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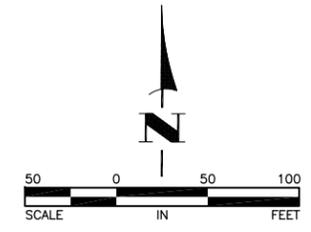
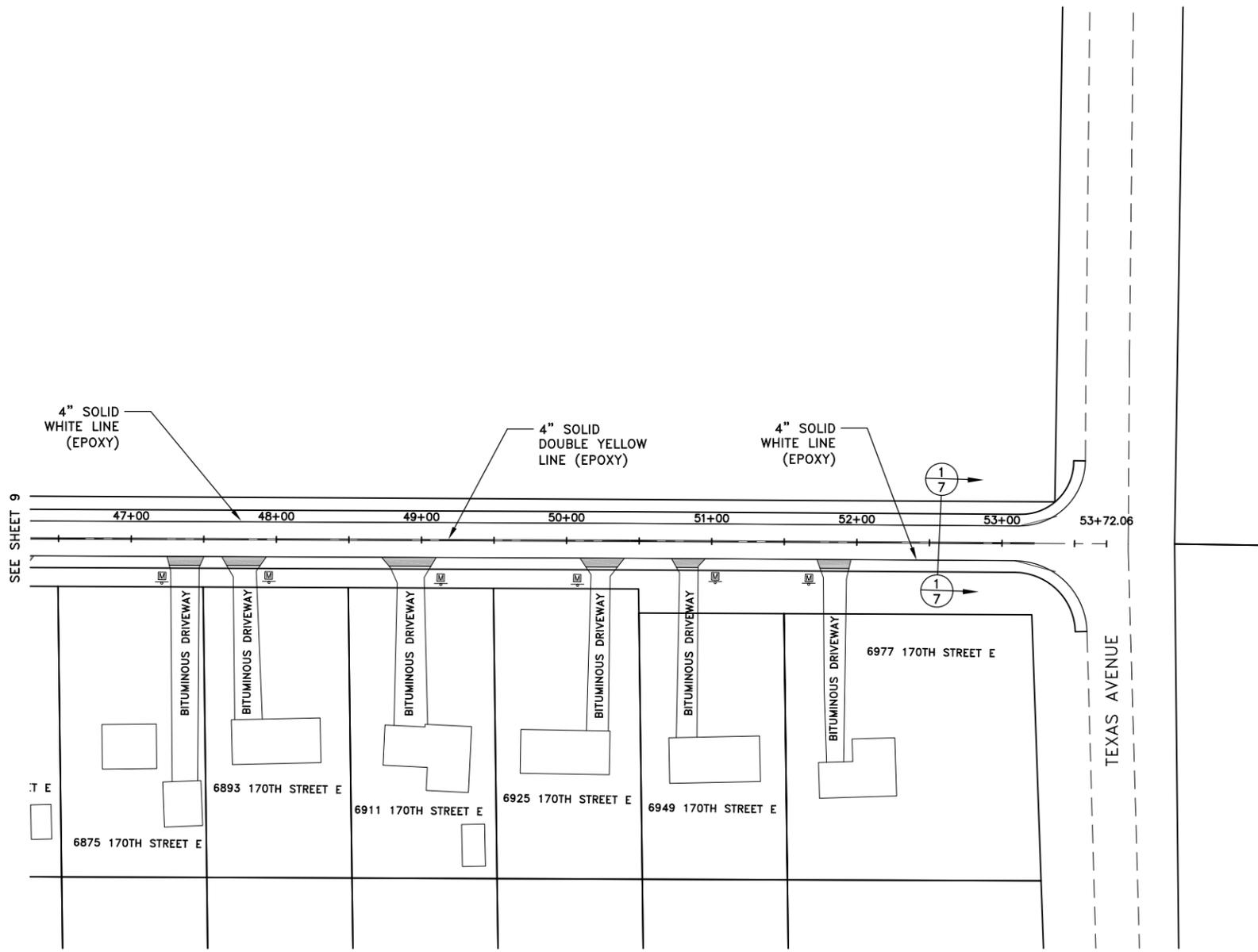
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9 OF 10 SHEETS

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10 OF 10 SHEETS