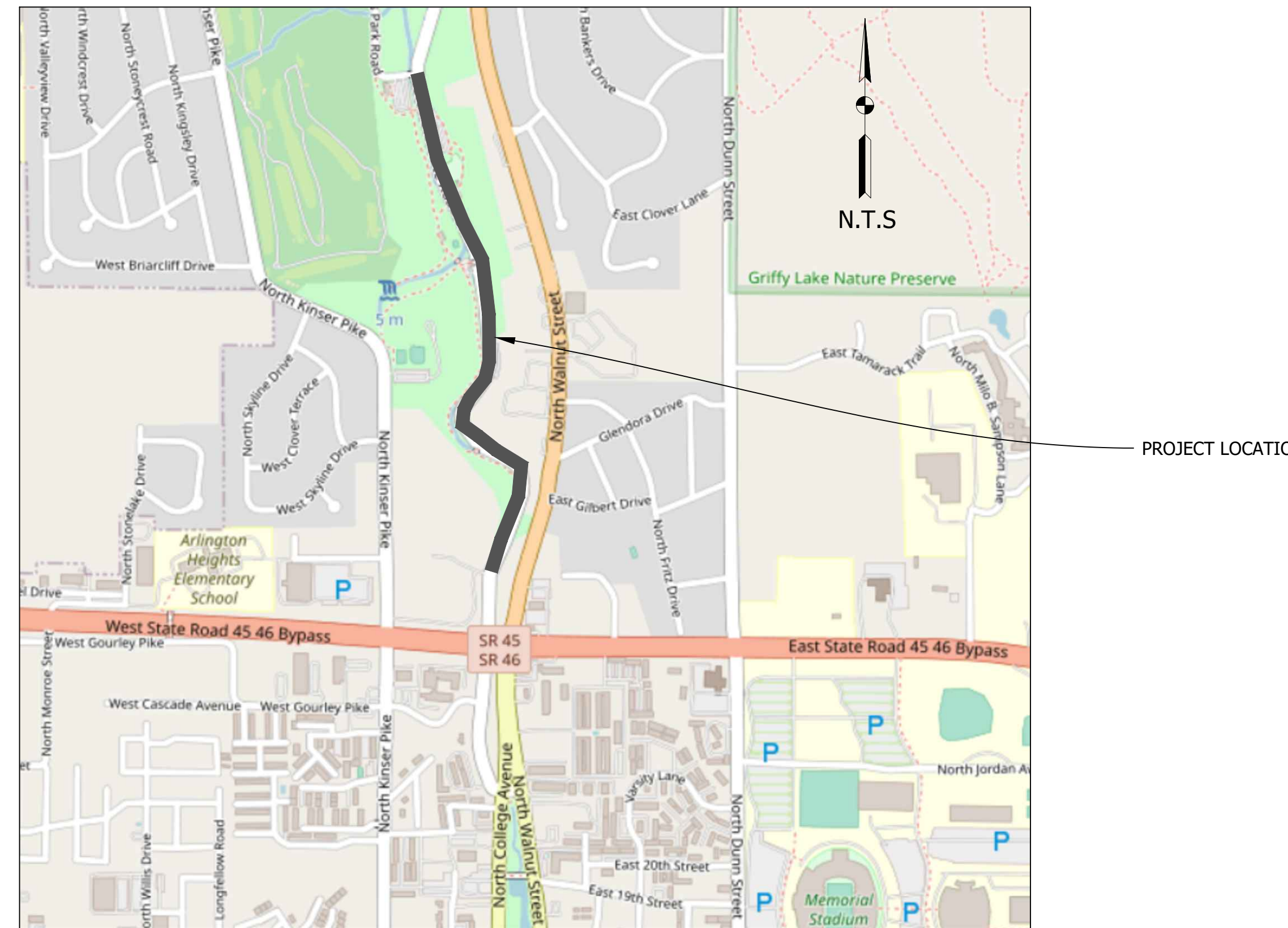




CASCADES - OLD STATE ROAD 37 REPAVING

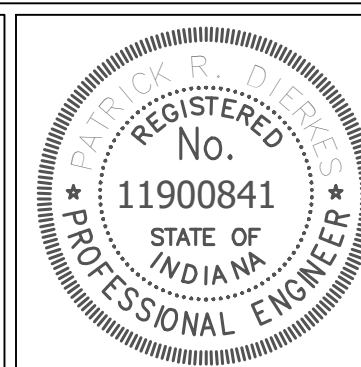
ROUTE: OLD STATE ROAD 37 FROM EAST IMI ENTRANCE TO CLUB HOUSE DRIVE,
NW CORNER OF SECTION 28, T-9-N, R-1-W, BLOOMINGTON TOWNSHIP, MONROE COUNTY, INDIANA
MILLING, HMA PAVEMENT, GUARDRAIL, TRAFFIC CALMING AND PAVEMENT MARKING REPLACEMENT.

DATA	
TRAFFIC DATA OLD STATE ROAD 37	
AADT (2021)	<1000
AADT (2014 PROJECTED)	
DHV (2040 PROJECTED)	
DIRECTIONAL DISTRIBUTION	
TRUCKS	
DESIGN DATA OLD STATE ROAD 37	
DESIGN SPEED	20 MPH
PROJECT DESIGN CRITERIA	PEDESTRIAN
FUNCTIONAL CLASSIFICATION	LOCAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NA



CITY OF BLOOMINGTON
MONROE COUNTY
INDIANA

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
AND CURRENT SUPPLEMENTS THERETO, TO
BE USED WITH THESE PLANS

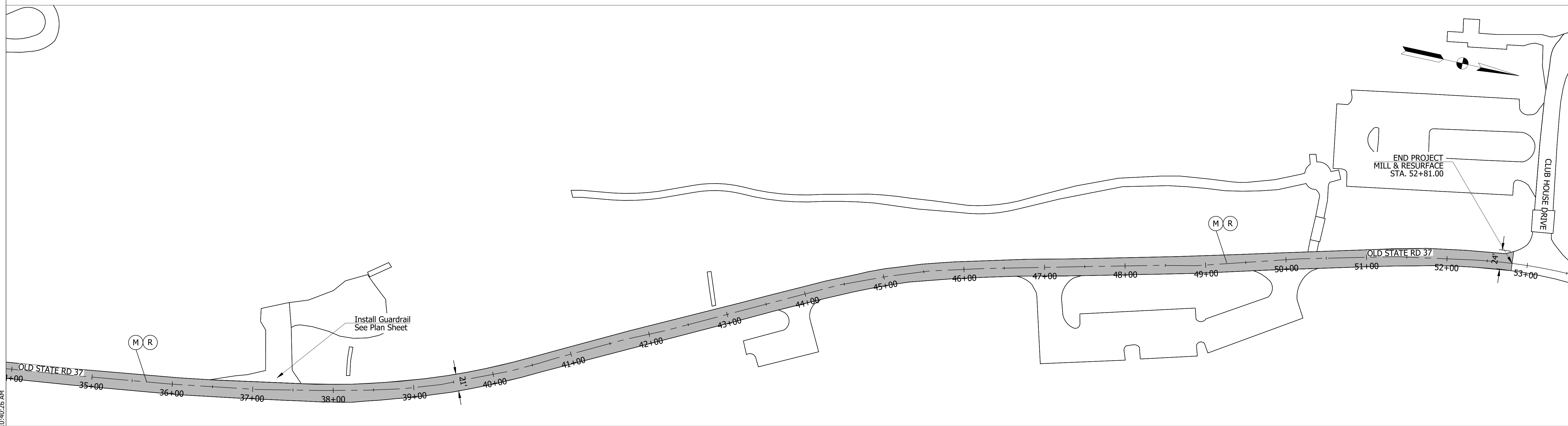
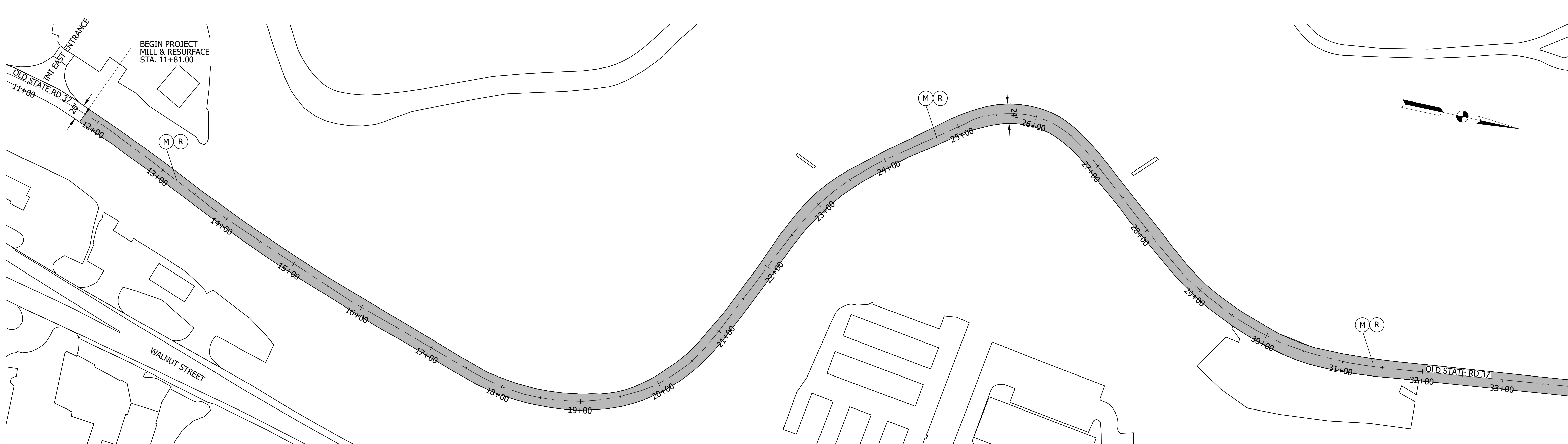


RECOMMENDED FOR APPROVAL	<i>Paul R. D...</i>	DATE
DESIGNED:	PRD	DRAWN: PRD
CHECKED:		CHECKED:

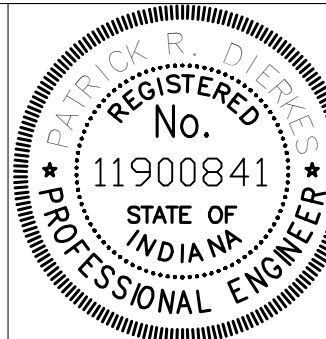
**CITY OF BLOOMINGTON
ENGINEERING DEPARTMENT**

CASCADES - OLD STATE ROAD 37
REPAVING PROJECT

HORIZONTAL SCALE	BRIDGE FILE
VERTICLE SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	1 of 8 PROJECT



- (M) Milling, Asphalt, 1-1/2 in.
- (R) 165 #/syd HMA Surface, Type B, 64, 9.5 mm



RECOMMENDED FOR APPROVAL: *P. R. D.* CITY ENGINEER DATE: _____

DESIGNED: PRD DRAWN: PRD

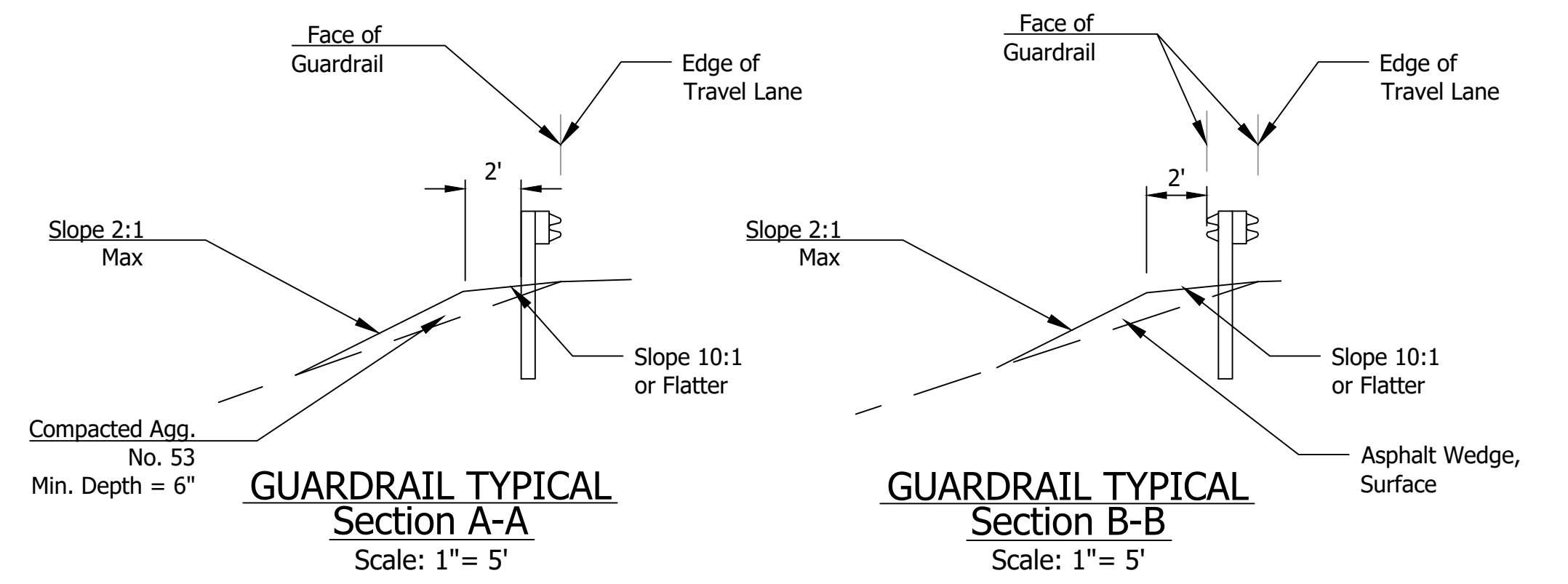
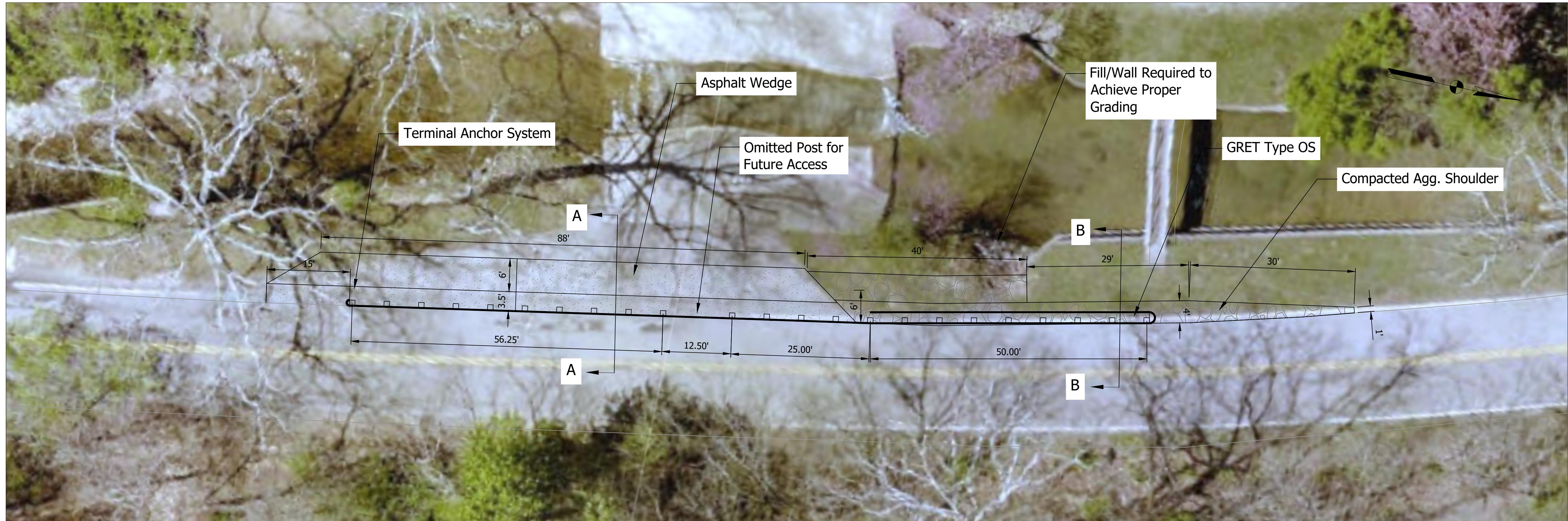
CHECKED: _____ CHECKED: _____

CITY OF BLOOMINGTON
ENGINEERING DEPARTMENT

**CASCADES - OLD STATE ROAD 37
RESURFACING**

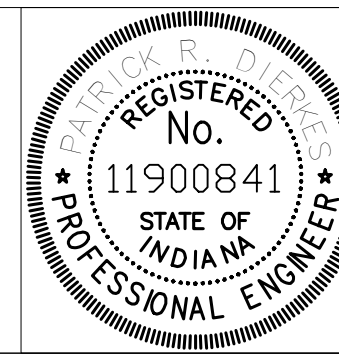
HORIZONTAL SCALE	BRIDGE FILE
1" = 60'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	1 of 1
CONTRACT	PROJECT
N/A	CASCADES RESURFACING

PLOTTED: Monday, August 2, 2021 10:40:26 AM



PLOTTED: Tuesday, July 27, 2021 4:05:12 PM

FILE: CASCADES_GUARDRAIL_RD_PLAN_01.DWG



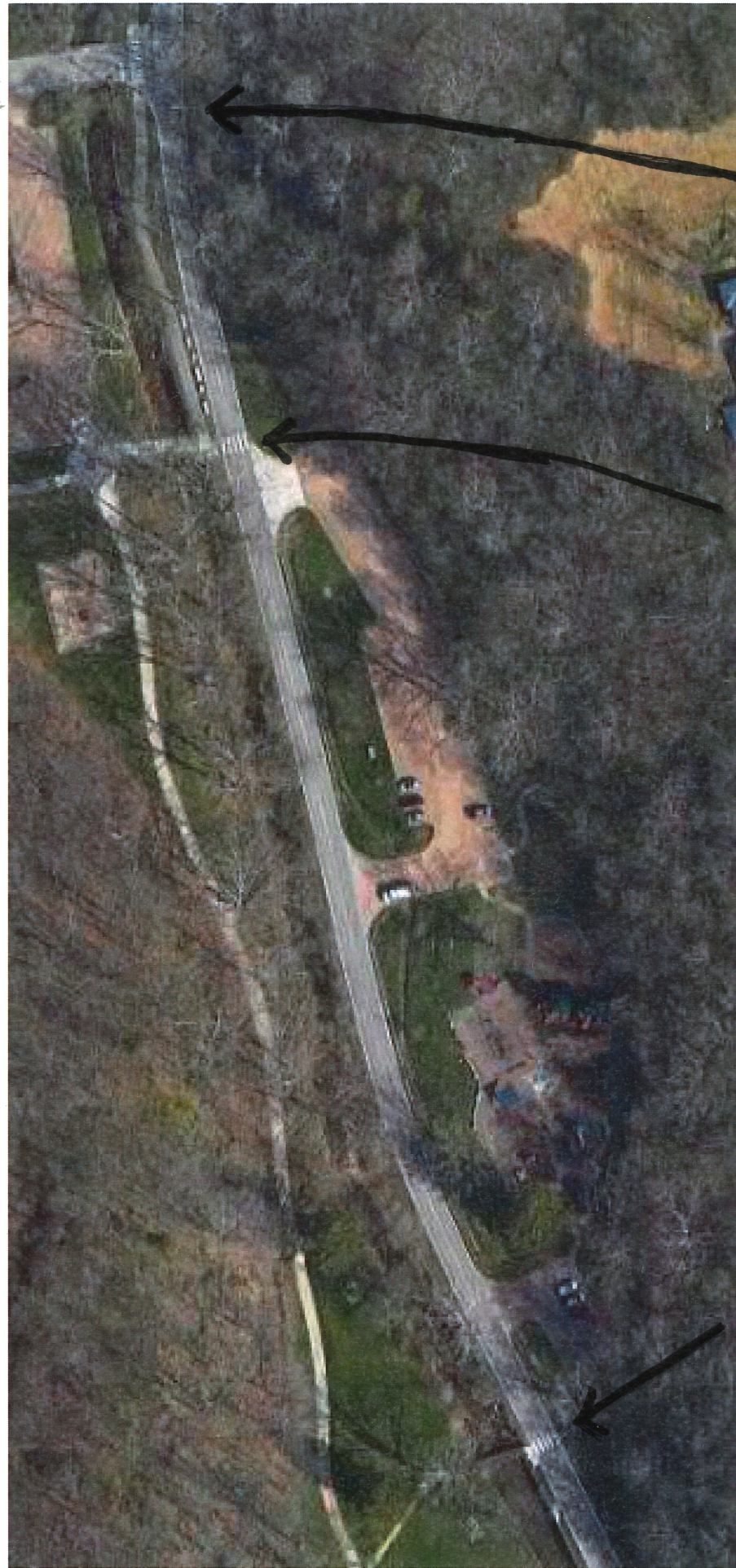
RECOMMENDED FOR APPROVAL	<i>Paul R. Dan</i>	07/27/2021
	CITY ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: _____	CHECKED: _____	

CITY OF BLOOMINGTON
ENGINEERING DEPARTMENT

**CASCADES LOW WATER CROSSING
ACCESS CLOSURE
GUARDRAIL INSTALLATION**

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	1 of 1
CONTRACT	PROJECT
N/A	CASCADES GUARDRAIL

Club House Drive



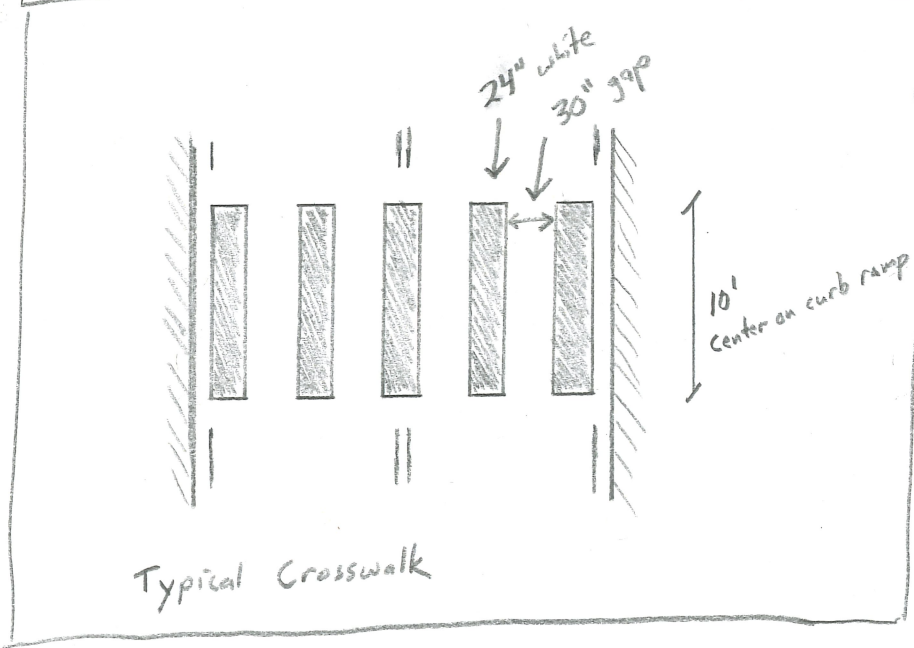
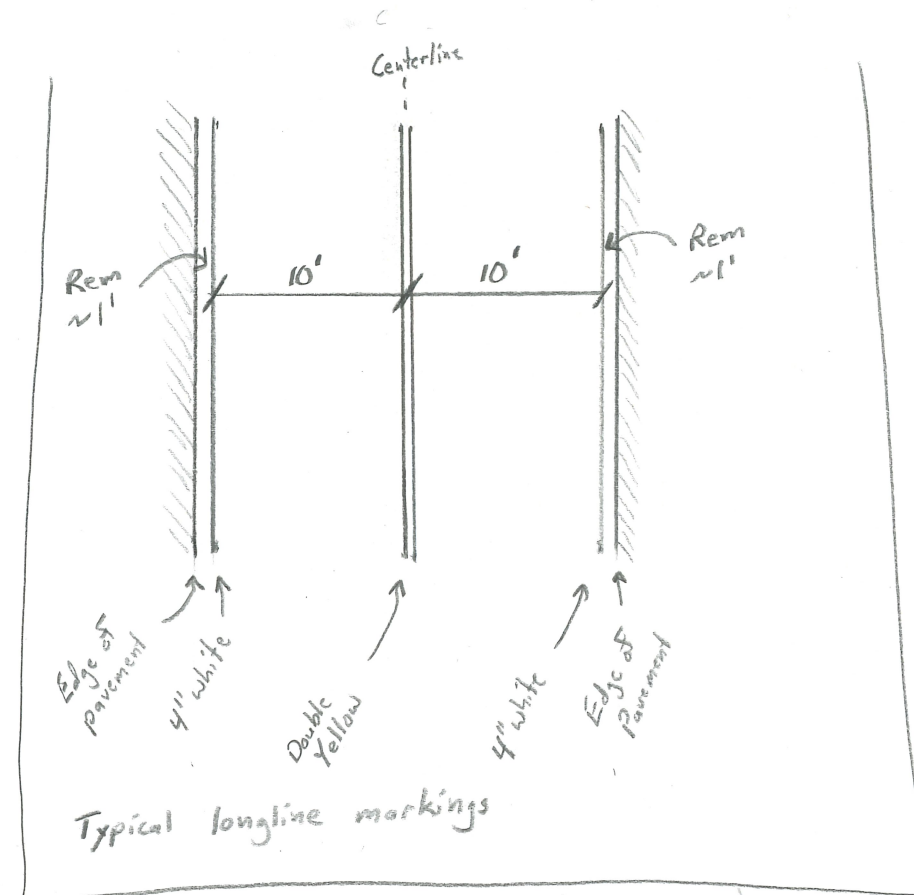
↑ N
NTS

24" white stop bar across north bound lane

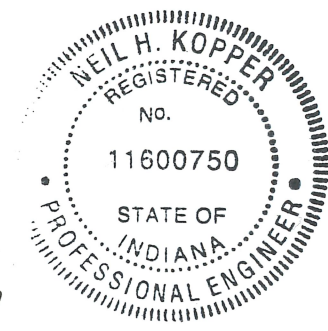
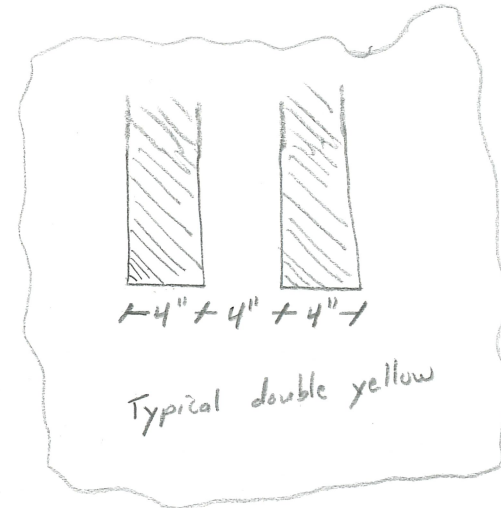
Crosswalk

Crosswalk

Typical markings continue south to IMI entrance.



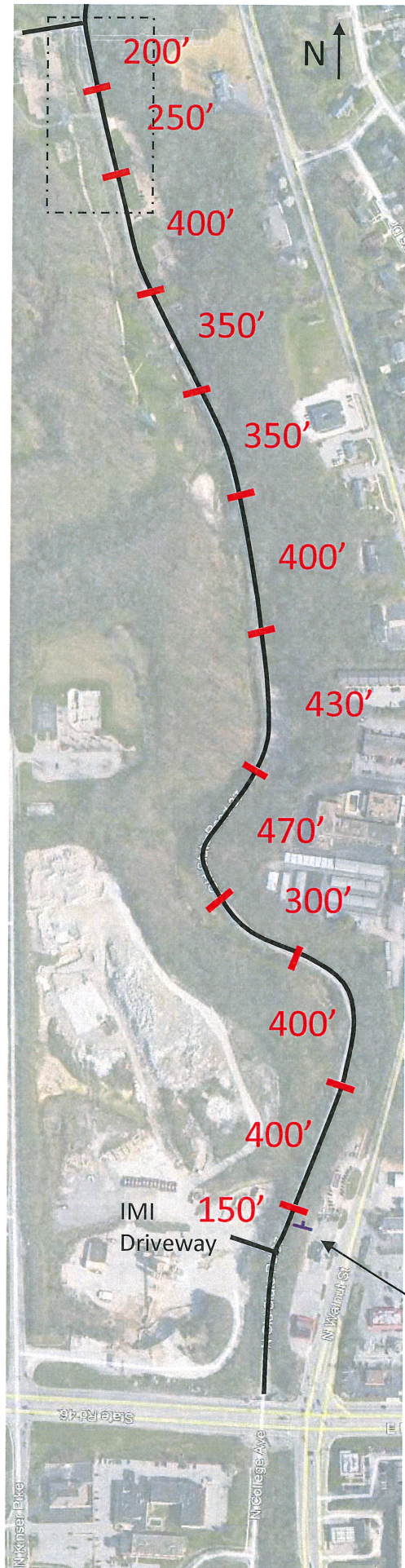
All markings shall be thermoplastic.
Refer to speed cushion detail for speed cushion markings.





7/30/2021

Markings for Old SR 37
From Club House Dr. 4100' south to IMI entrance

Club House Drive



Traffic Calming Layout for Old State Road 37

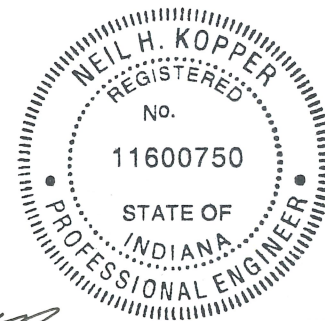
-  Approximate install location for a set of two speed cushions. Precise location of speed cushions to be coordinated in field with City of Bloomington Engineer.
-  New or relocated street sign.

Relocate Speed Limit Sign
Approx. 100 feet north.

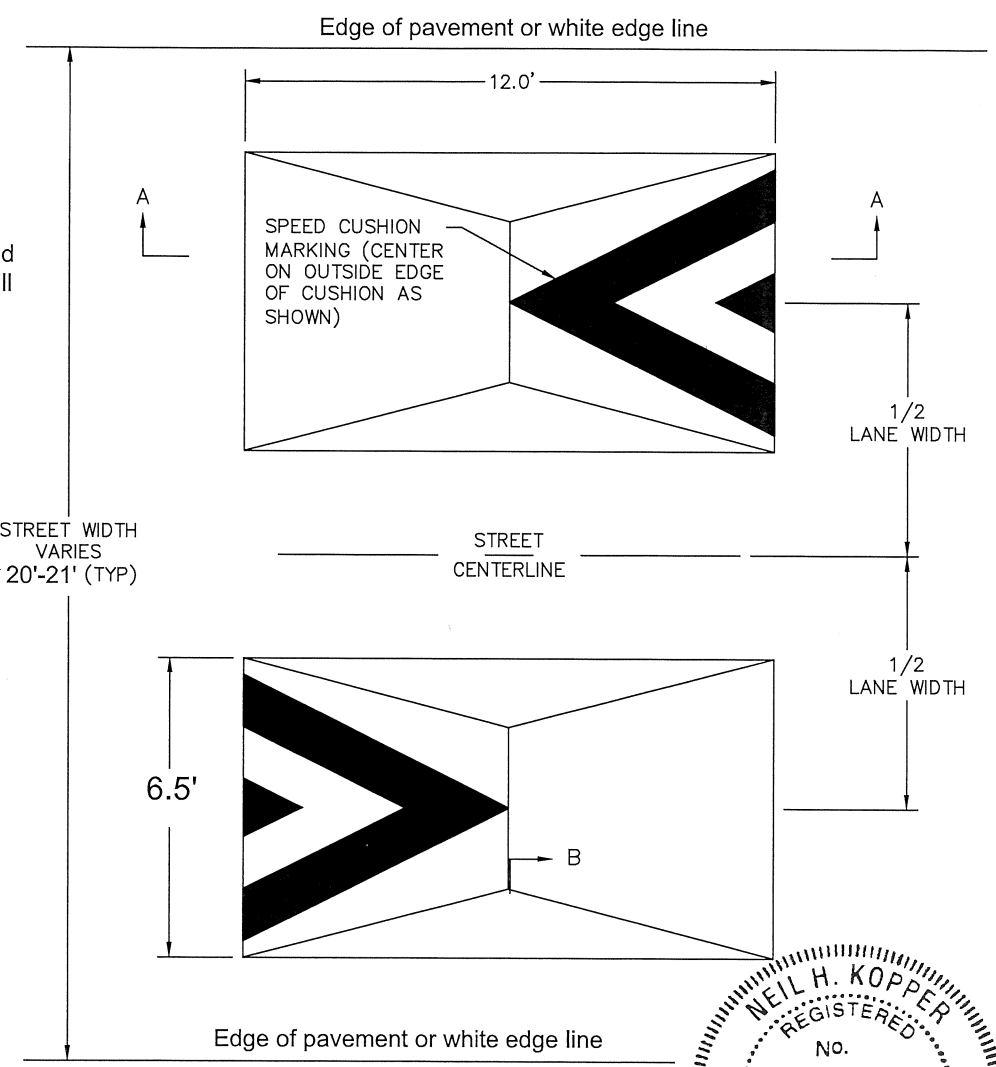
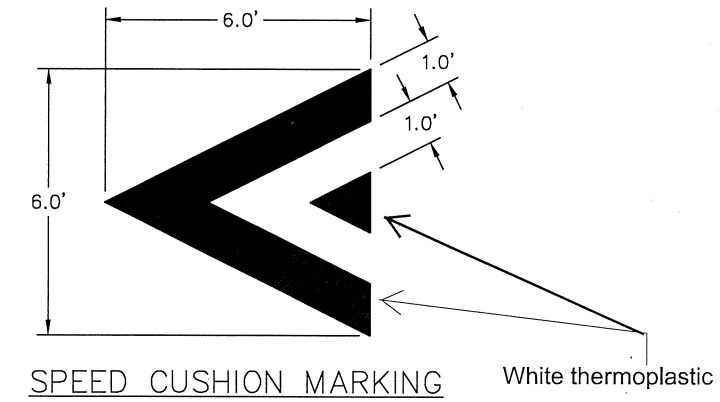
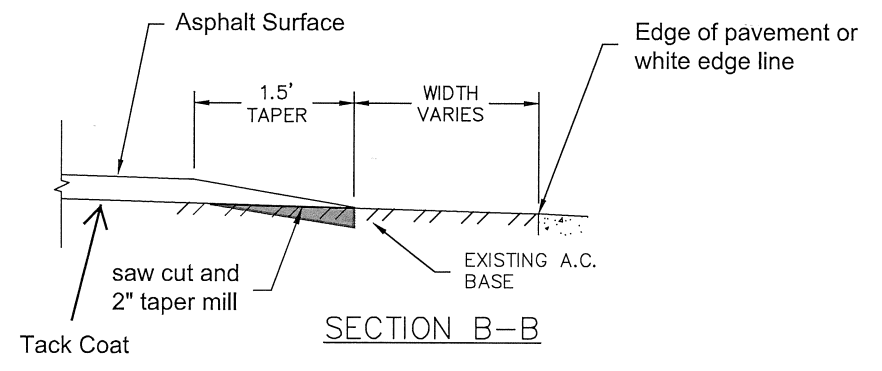
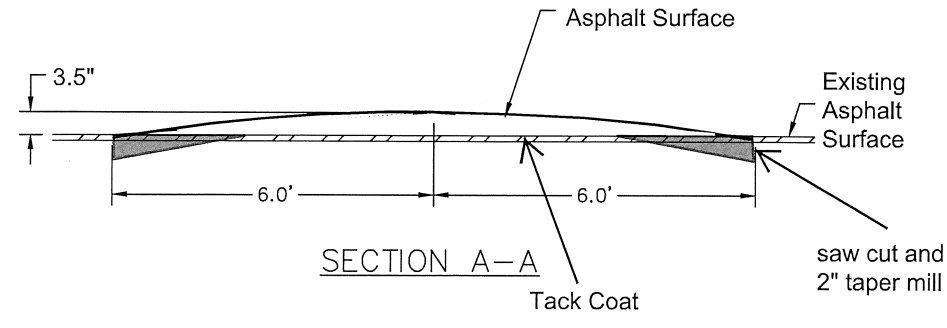
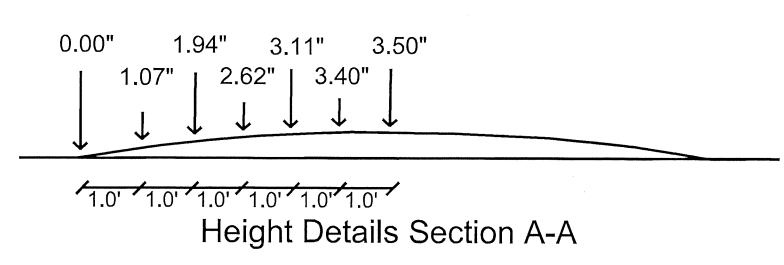
Install W17-1
Speed Hump Sign
30"x30"

Relocate Playground Sign
Approx. 500 feet south.

Install W17-1
Speed Hump Sign
30"x30"



Neil H. Kopper
7/28/2021



For use on Old State Road 37/ Cascades Traffic Calming Project	Speed Cushion Detail N.T.S
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NEIL H. KOPPER
REGISTERED
No. 11600750
STATE OF INDIANA
PROFESSIONAL ENGINEER

Neil H. Kopper
7/28/2021