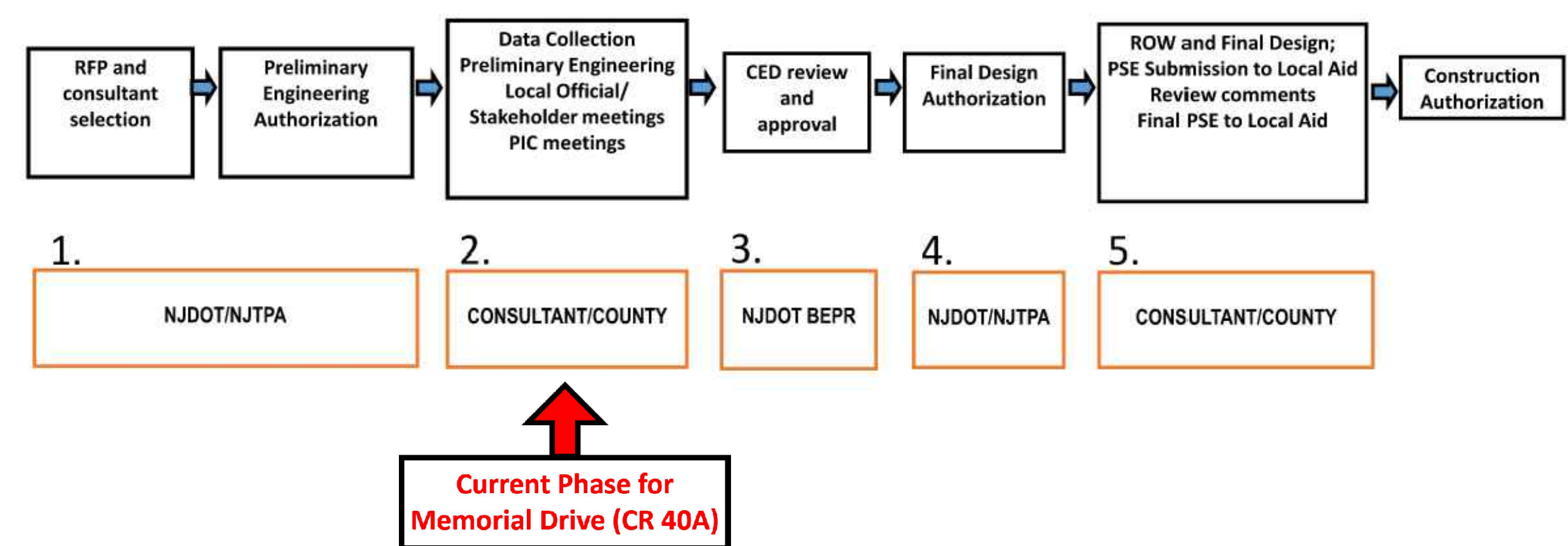


PROVEN SAFETY COUNTERMEASURES

ROAD DIET Safety Benefits: 4-Lane to 3-Lane, Road Diet Conversions 19-47% reduction in total crashes. ¹	RETROREFLECTIVE BACKPLATES Safety Benefits: 15% reduction in total crashes. ¹ LEAD PEDESTRIAN INTERVALS Safety Benefits: 13% reduction in pedestrian-vehicle crashes at intersections. ²	CROSSWALK VISIBILITY ENHANCEMENTS Safety Benefits: High-visibility crosswalks can reduce pedestrian injury crashes up to: 40% intersection lighting can reduce pedestrian crashes up to: 42% Advance yield or stop markings and signs can reduce pedestrian crashes up to: ² 25%	RECTANGULAR RAPID FLASHING BEACONS (RRFB) Safety Benefits: RRFBs can reduce crashes up to: 47% for pedestrian crashes. ⁴ RRFBs can increase motorist yielding rates up to: 98% (varies by speed limit, number of lanes, crossing distance, and time of day). ³	BICYCLE LANES Safety Benefits: Bicycle Lane Additions can reduce crashes up to: 49% for total crashes on urban 4-lane undivided collectors and local roads. ² 30% for total crashes on urban 2-lane undivided collectors and local roads. ²	PEDESTRIAN REFUGE ISLANDS Safety Benefits: Median with Marked Crosswalk 46% reduction in pedestrian crashes. ² Pedestrian Refuge Island 56% reduction in pedestrian crashes. ²
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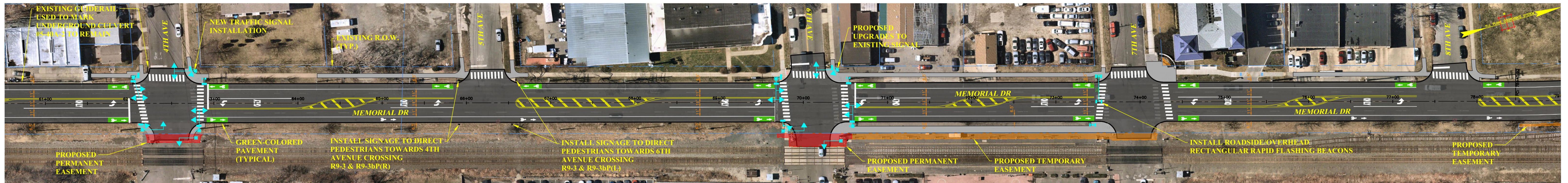
FEDERAL PROCESS AND PROJECT TIMELINE



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS



RECTANGULAR RAPID FLASHING BEACON (RRFB)



PROPOSED IMPROVEMENTS

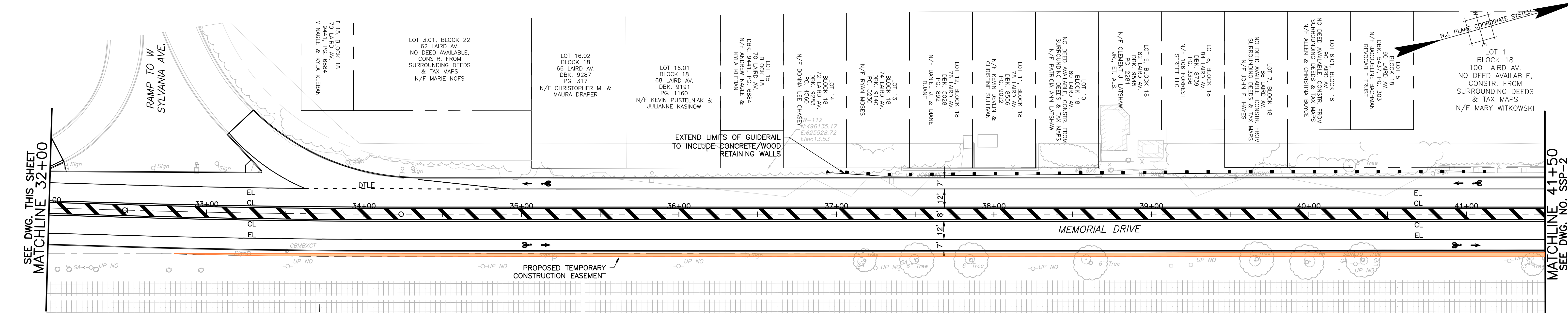
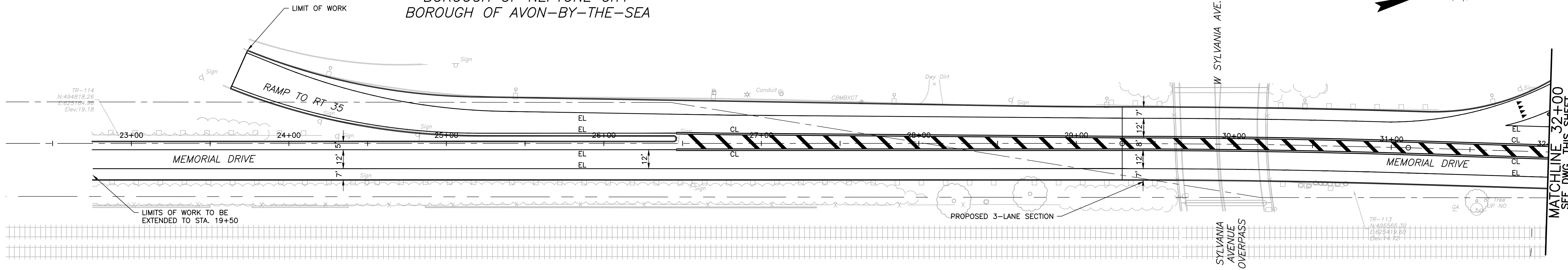
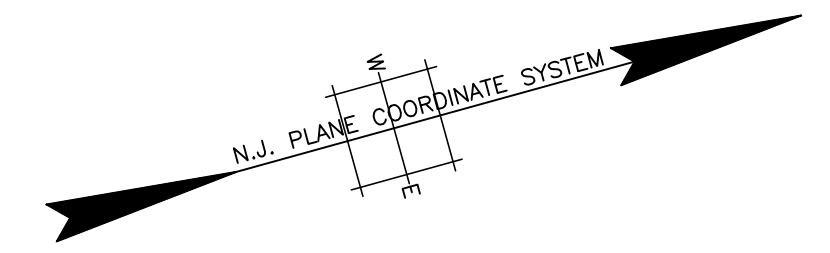
- Road Diet - Converting the existing 4-lane section down to a 3-lane section. Providing 1 lane in each direction with dedicated turn lanes at all intersections.
- Providing dedicated bike lanes along both directions of Memorial Drive with enhanced visibility pavement coloring at conflict points.
- Replacement of the traffic signal equipment at the two (2) signalized intersections, Evergreen, and 6th Avenue, including new signal heads with retroreflective back plates, countdown pedestrian signal heads, and ADA compliant push buttons.
- Installation of a new traffic signal at the intersection of 4th Avenue.
- Installation of a new overhead rectangular Rapid Flashing Beacon and high visibility crosswalk at the intersection of 7th Avenue
- High Visibility crosswalks at all pedestrian crossings within the study area.
- Construct ADA compliant sidewalk and curb ramps within the Project Limits.



NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY MEMORIAL DRIVE (CR 40A) BETWEEN STATE HIGHWAY 33 AND STATE HIGHWAY 35 TOWNSHIP OF NEPTUNE, BOROUGH OF NEPTUNE CITY, BOROUGH OF BRADLEY BEACH & BOROUGH OF AVON-BY-THE-SEA, MONMOUTH COUNTY, NEW JERSEY	
PROJECT DETAILS	
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PROJECT NO: NJPL-00003 DATE: 3-10-2025 SCALE: N.T.S.	SHEET 1 OF 1 PD-1

TOWNSHIP OF NEPTUNE
 BOROUGH OF BRADLEY BEACH
 BOROUGH OF NEPTUNE CITY
 BOROUGH OF AVON-BY-THE-SEA

COUNTY OF MONMOUTH

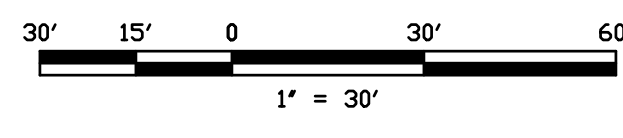


SEE DWG. THIS SHEET
 MATCHLINE 32+00

MATCHLINE 41+50
 SEE DWG. NO. SSP-2

Legend

- Permanent Easement
- Temporary Construction Easement



NO.	DATE	REVISIONS	BY	CHKD



PETER A. DRINKWATER, P.E.
 CONSULTING ENGINEER
 LICENSED PROFESSIONAL ENGINEER
 STATE OF NJ LICENSE No. GE42501

NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY

MEMORIAL DRIVE (CR 40A) BETWEEN SH 33 AND SH 35

VARIOUS MUNICIPALITIES, MONMOUTH COUNTY, NEW JERSEY

SIGNING AND STRIPING PLAN

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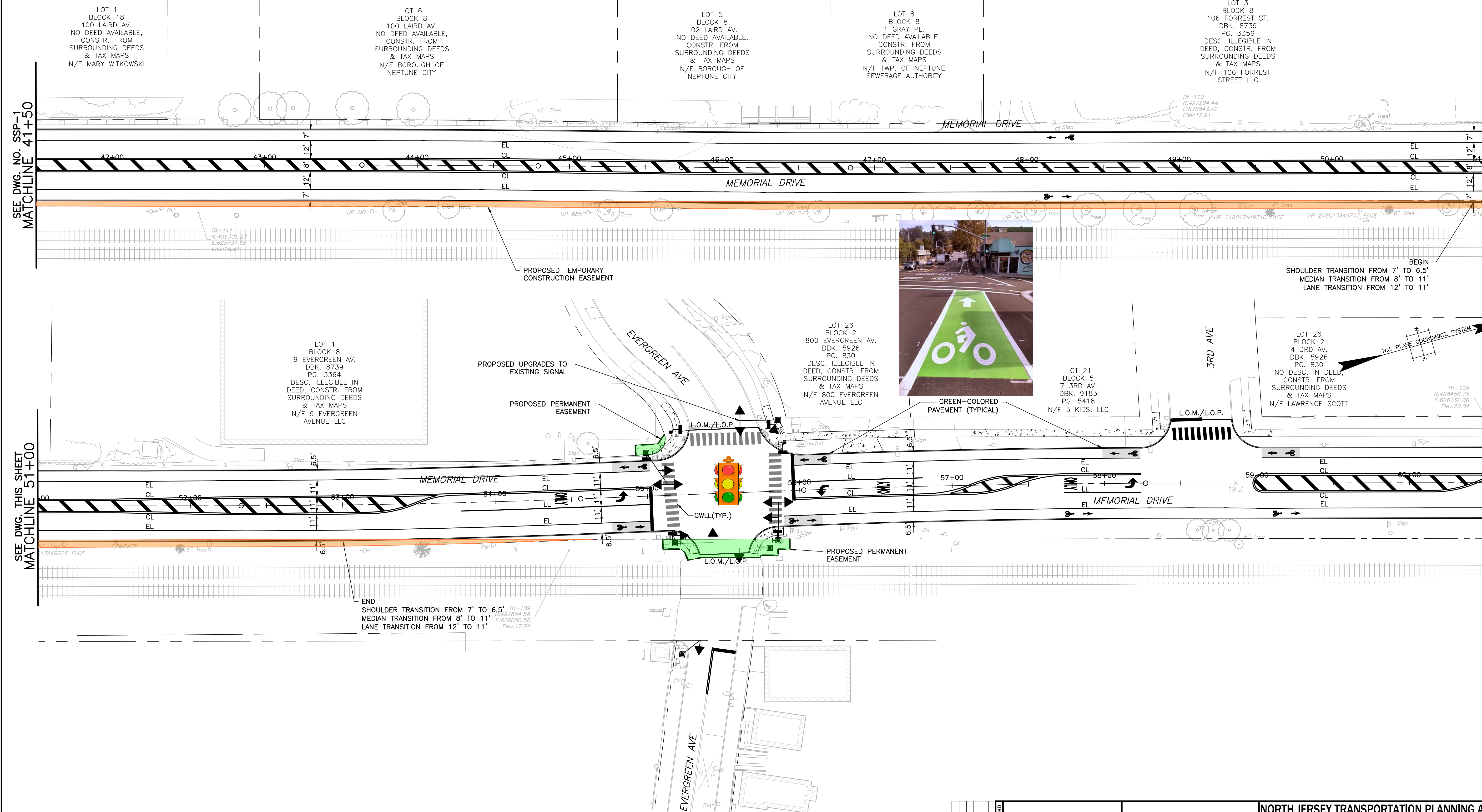
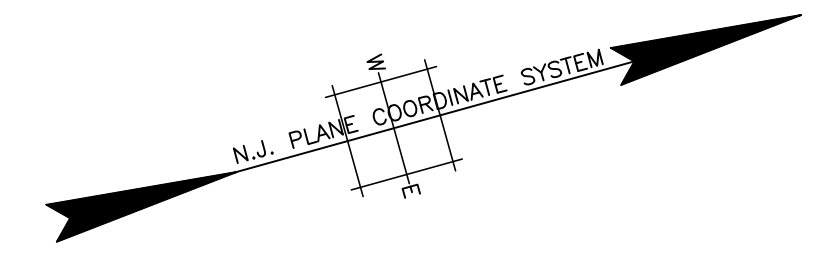
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 SHEET **1** OF **5**

SSP-1

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TOWNSHIP OF NEPTUNE
 BOROUGH OF BRADLEY BEACH
 BOROUGH OF NEPTUNE CITY
 BOROUGH OF AVON-BY-THE-SEA

COUNTY OF MONMOUTH



SEE DWG. NO. SSP-1
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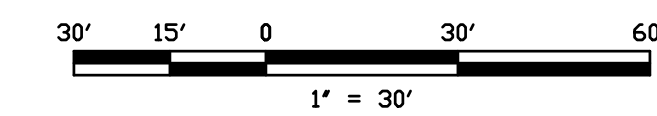
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SEE DWG. THIS SHEET
 MATCHLINE 51+00

MATCHLINE 60+50
 SEE DWG. NO. SSP-3

Legend

- Permanent Easement
- Temporary Construction Easement



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NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY

MEMORIAL DRIVE (CR 40A) BETWEEN SH 33 AND SH 35

VARIOUS MUNICIPALITIES, MONMOUTH COUNTY, NEW JERSEY

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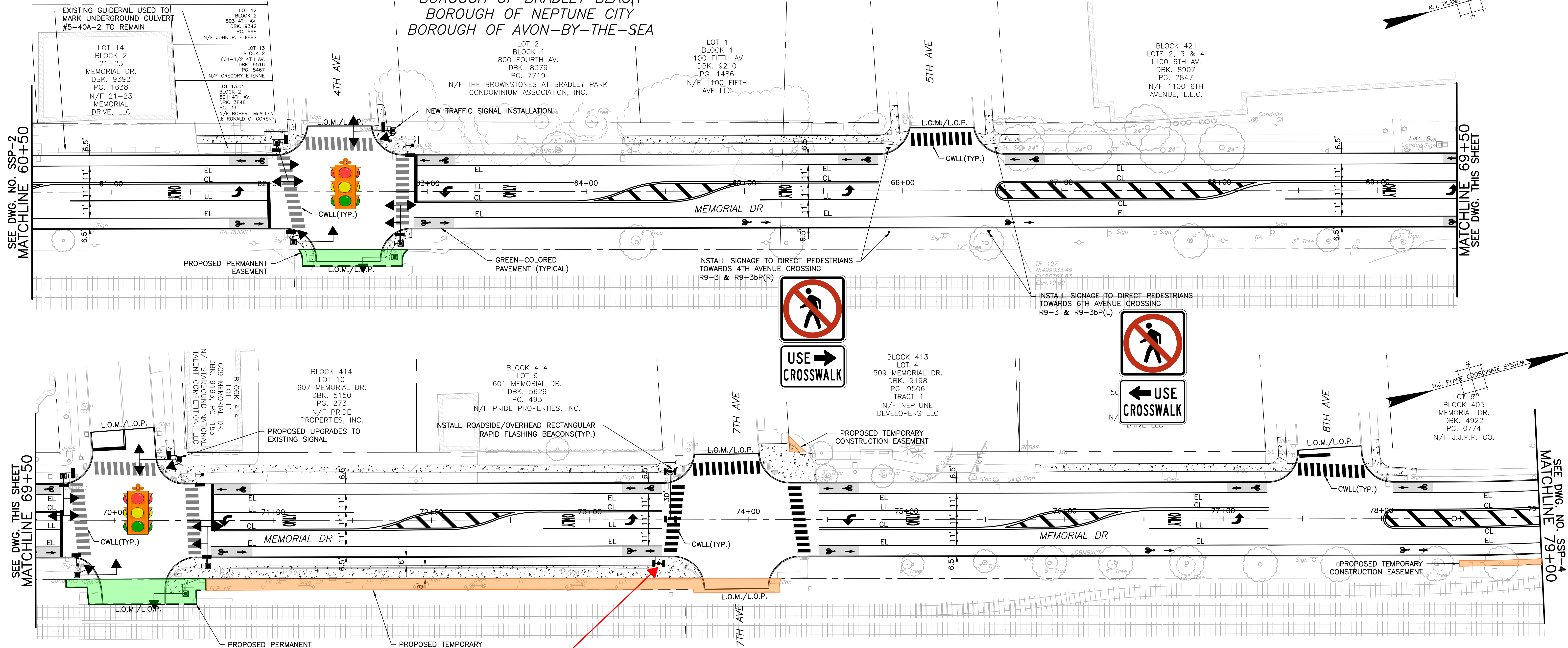
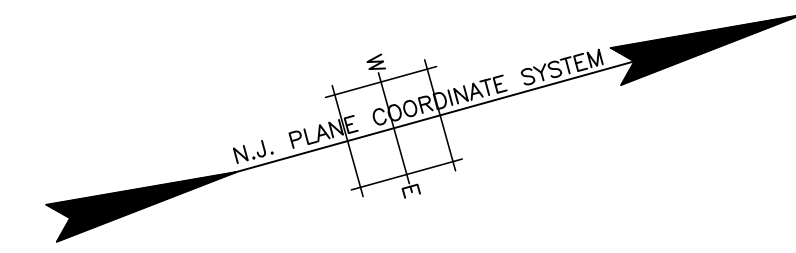
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 SHEET **2** OF **5**

SSP-2

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TOWNSHIP OF NEPTUNE
 BOROUGH OF BRADLEY BEACH
 BOROUGH OF NEPTUNE CITY
 BOROUGH OF AVON-BY-THE-SEA

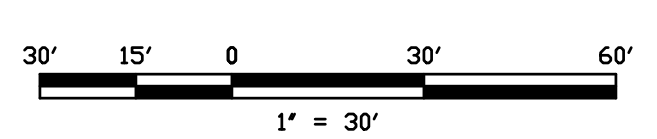
COUNTY OF MONMOUTH



ROADSIDE/OVERHEAD RECTANGULAR RAPID FLASHING BEACON SAMPLE MONMOUTH COUNTY APPLICATION

Legend

- Permanent Easement
- Temporary Construction Easement



NO.	DATE	BY	CHKD



PETER A. DRINKWATER, P.E.
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 STATE OF NJ LICENSE No. GE42501

NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY

MEMORIAL DRIVE (CR 40A) BETWEEN SH 33 AND SH 35

VARIOUS MUNICIPALITIES, MONMOUTH COUNTY, NEW JERSEY

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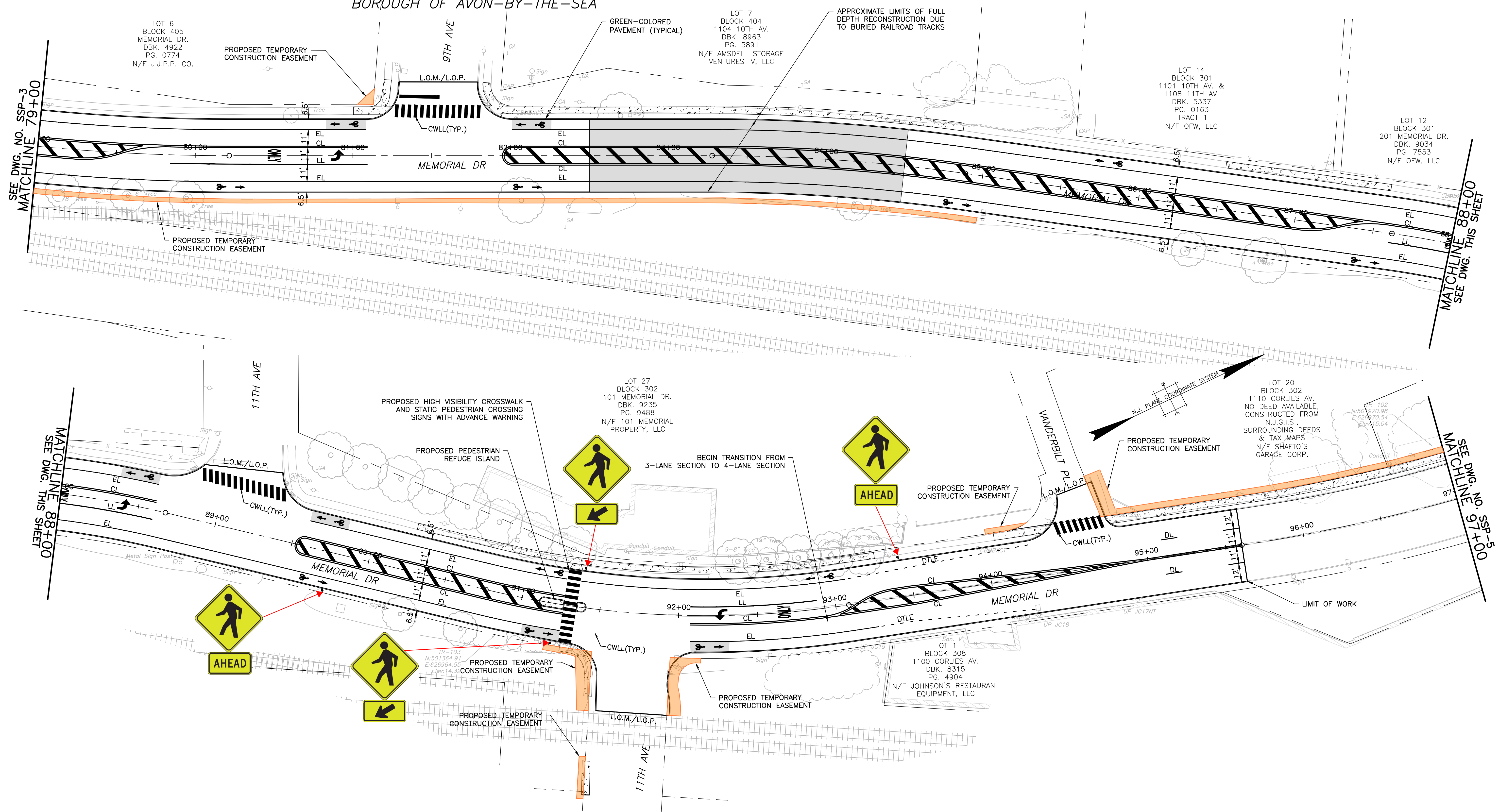
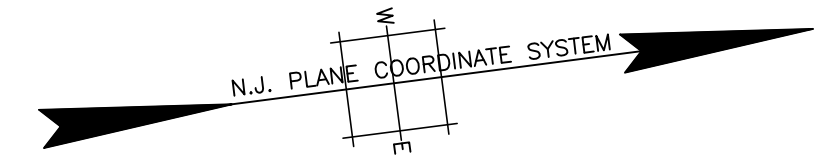
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 SHEET **3** OF **5**

DATE: 10-14-2024
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 DRAWING: ECL
 SSP-3

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TOWNSHIP OF NEPTUNE
BOROUGH OF BRADLEY BEACH
BOROUGH OF NEPTUNE CITY
BOROUGH OF AVON-BY-THE-SEA

COUNTY OF MONMOUTH



SEE DWG. NO. SSP-3
MATCHLINE 79+00

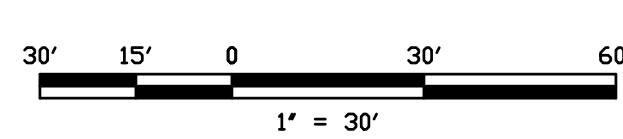
MATCHLINE 88+00
SEE DWG. THIS SHEET

MATCHLINE 88+00
SEE DWG. THIS SHEET

SEE DWG. NO. SSP-5
MATCHLINE 97+00

Legend

- Permanent Easement
- Temporary Construction Easement



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STATE OF NJ LICENSE No. GE42501

NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY

MEMORIAL DRIVE (CR 40A) BETWEEN SH 33 AND SH 35

VARIOUS MUNICIPALITIES, MONMOUTH COUNTY, NEW JERSEY

SIGNING AND STRIPING PLAN

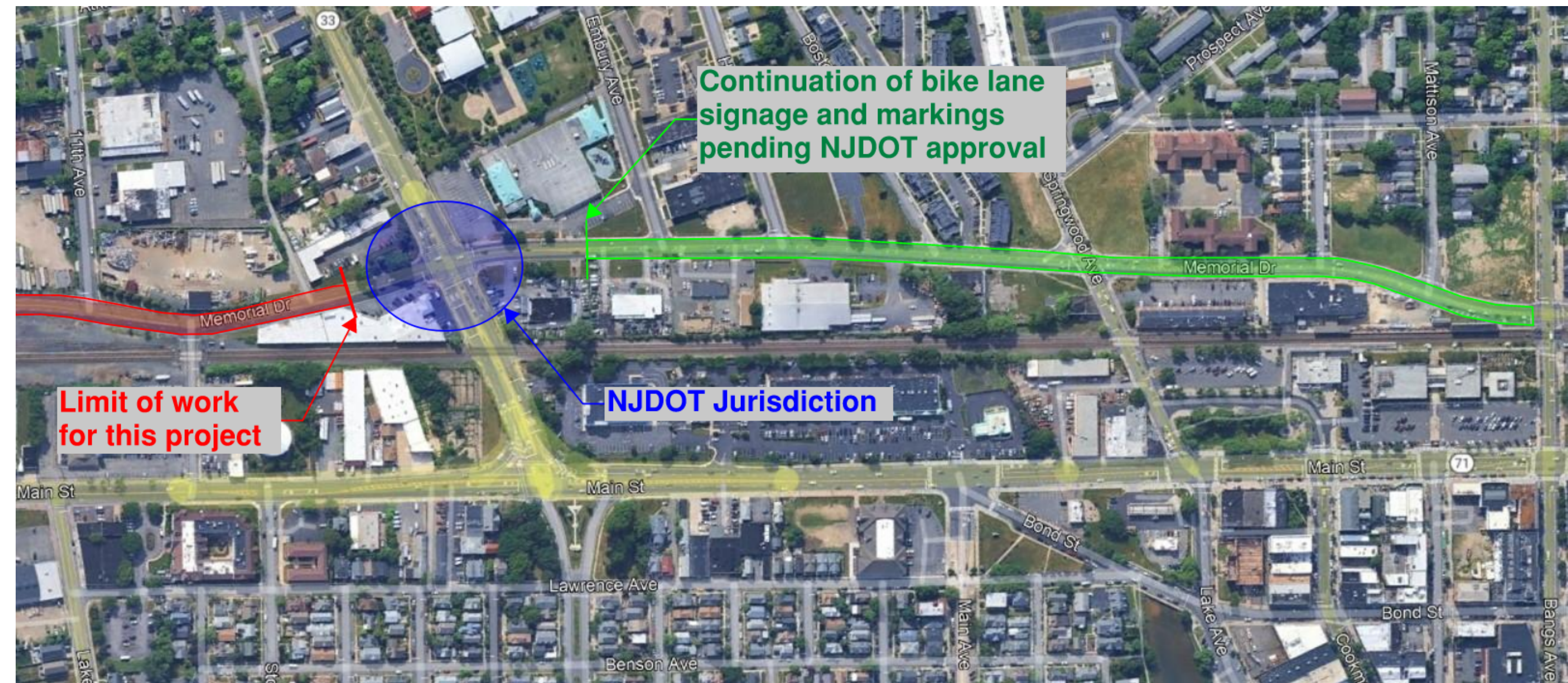
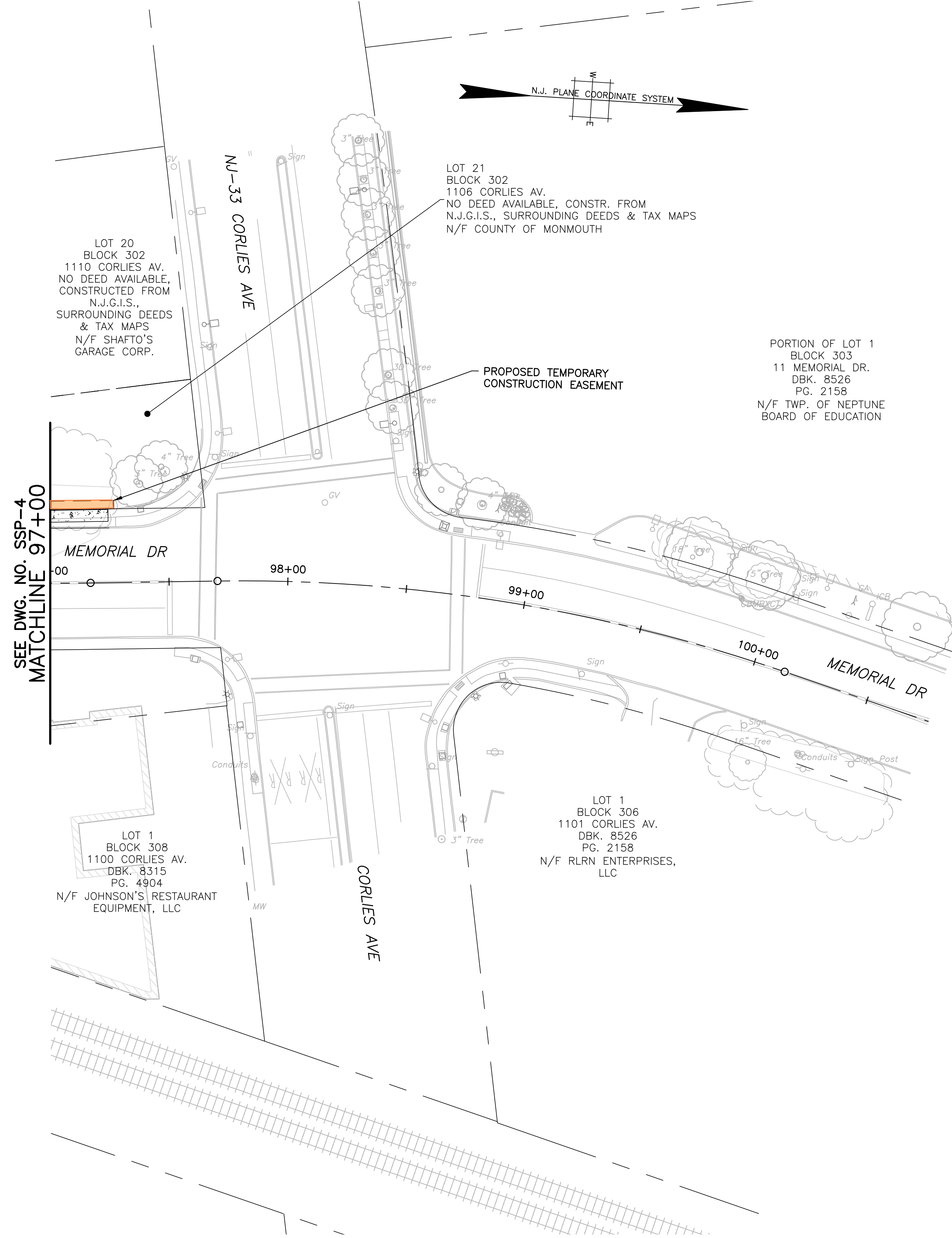
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DATE	10-14-2024	OF	5
SCALE	AS SHOWN		
SSP-4			

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TOWNSHIP OF NEPTUNE
 BOROUGH OF BRADLEY BEACH
 BOROUGH OF NEPTUNE CITY
 BOROUGH OF AVON-BY-THE-SEA

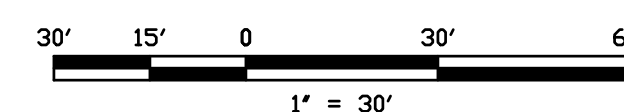
COUNTY OF MONMOUTH



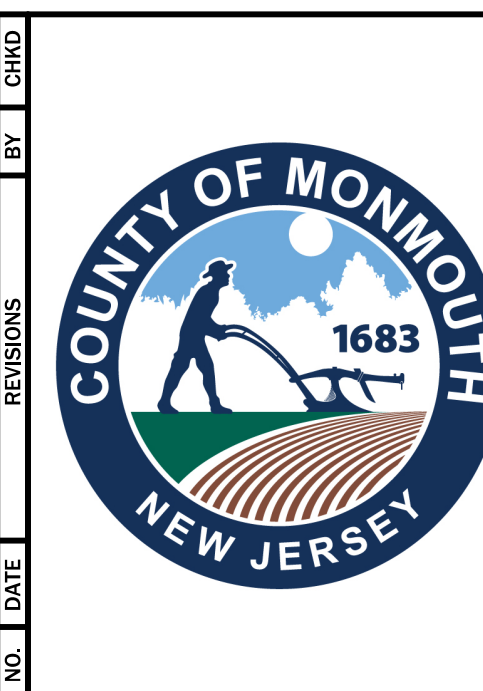
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 LAST SAVE DATE: 05 Mar 2025, 5:15PM

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 STATE OF NJ LICENSE No. GE42501

NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY

MEMORIAL DRIVE (CR 40A) BETWEEN SH 33 AND SH 35

VARIOUS MUNICIPALITIES, MONMOUTH COUNTY, NEW JERSEY

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SHEET **5** OF **5**

PROJECT NO. NJPL00003-C-2

DATE: 10-14-2024

SCALE: AS SHOWN

SSP-5