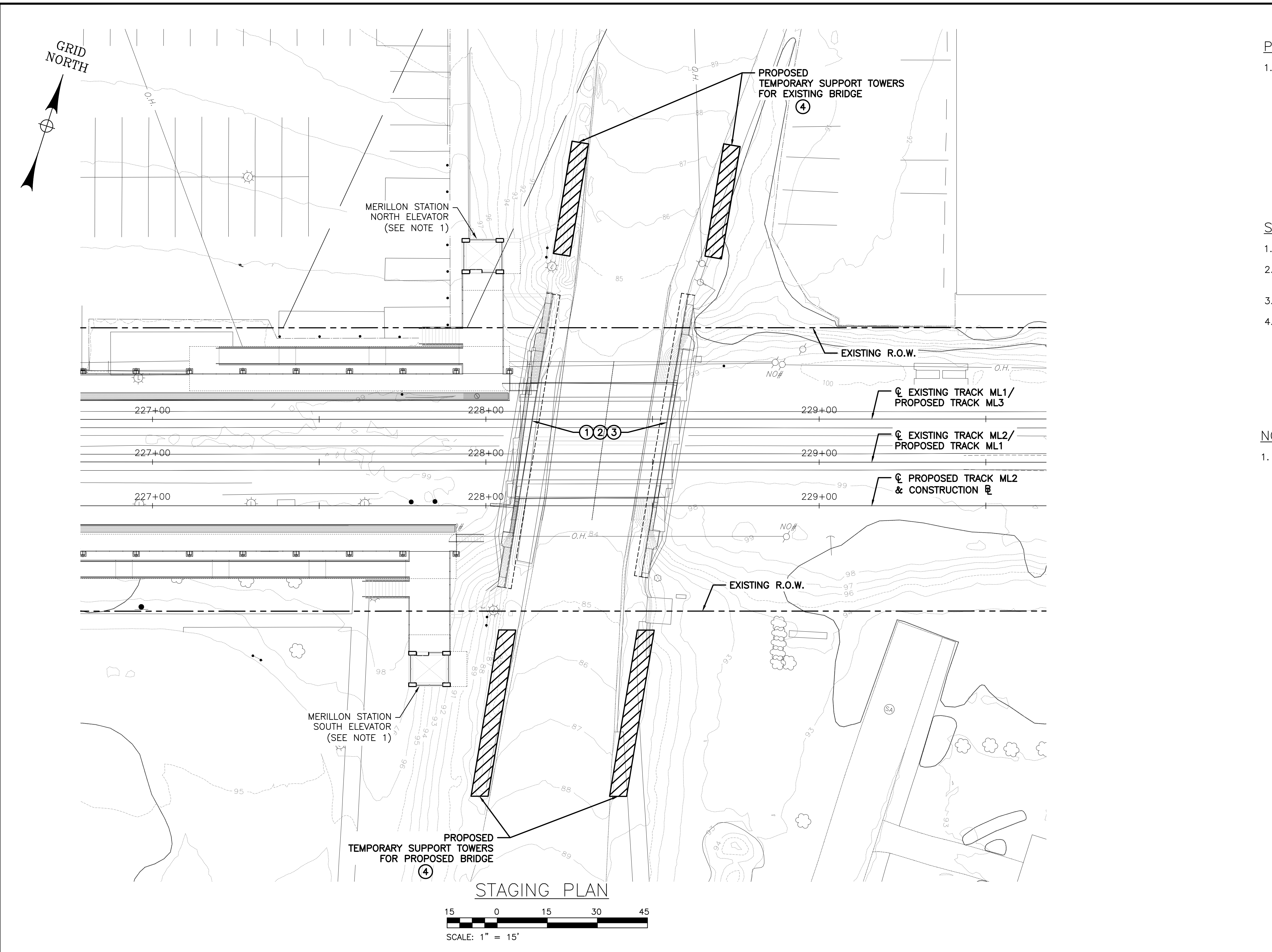


File Name: nsb-33-nsb-35-tyl_60_plt.dwg Date: October 18, 2018 1:35pm by: kkong



PRE-STAGE 1

1. INSTALL BALLAST RETAINER ON THE TOP FLANGE OF THE EXISTING EXTERIOR GIRDERS PER NSB-37 AND NSB-38. COORDINATE WITH LIRR'S TRACK RAISE SCHEDULE TO INSTALL BALLAST RETAINER PRIOR TO RAISE OPERATIONS.

STAGE 1

1. CORE EXISTING ABUTMENTS.
2. INSTALL PERMANENT SOIL TIE BACKS THROUGH EXISTING ABUTMENT.
3. PERFORM CONCRETE REPAIRS TO EXISTING ABUTMENTS.
4. CONSTRUCT TEMPORARY SUPPORT TOWERS AT THE NORTH AND SOUTH SIDES OF THE EXISTING BRIDGE. SEE DRAWING NSB-36 FOR DETAILS AND SECTIONS.

NOTES:

1. FOR PLANS AND DETAILS OF MERILLON AVENUE STATION, INCLUDING PLATFORM, ELEVATOR, AND RETAINING WALLS, SEE PACKAGE NUMBER MERS.10.01.

LEGEND

PROPOSED DEMOLITION

PROPOSED CONSTRUCTION

60% SUBMISSION - NOT FOR CONSTRUCTION

				DESIGNED BY: A.SEMANCHIK
				DRAWN BY: S.BRACERO
				CHECKED BY: N.SHAH
				APPROVED BY: S. SINGH
NO.	DATE	DESCRIPTION	APP'D	

 **Long Island Rail Road**

 **3rd TRACK CONSTRUCTORS**
Picone | Dragados USA | CCA Civil | Halmar

 **Stantec TYLIN INTERNATIONAL**

**LIRR EXPANSION PROJECT FROM
FLORAL PARK TO HICKSVILLE**

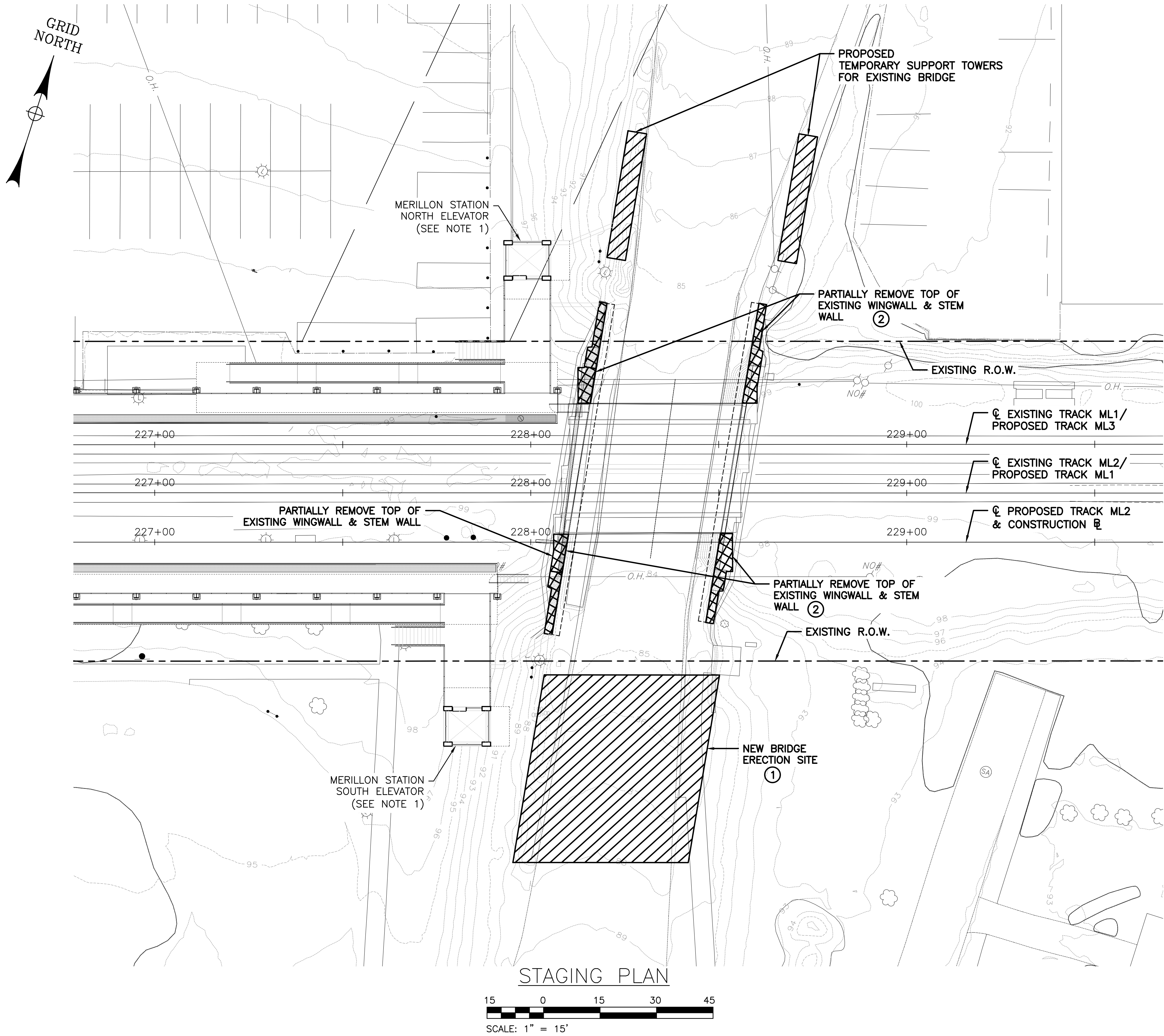
IT IS A VIOLATION OF SECTION 2209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER IS ALTERED THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NASSAU BOULEVARD – BRIDGE PACKAGE

STRUCTURES
CONSTRUCTION STAGING 1

SCALE: AS SHOWN	CONTRACT NO. 6240
EOR FIRM: T.Y.LIN INTERNATIONAL	DATE OCTOBER 19, 2018
EOR ADDRESS: 110 William St., 29th Flr. New York, NY 10038	DRAWING NO. NSB-33
PACKAGE NUMBER: NSBB.10.01	SHEET 58 OF 63

File Name: nsb-33-nsb-35-tyl_60_plt.dwg Date: October 18, 2018 1:37pm by: kkong



STAGE 2

1. CONSTRUCT NEW BRIDGE ON TEMPORARY SUPPORT TOWERS. SEE DRAWING NSB-36 FOR DETAILS AND SECTIONS.
2. PARTIALLY REMOVE TOP OF NORTHEAST, SOUTHEAST, NORTHWEST & SOUTHWEST WINGWALLS. SEE DRAWINGS NSB-06 & NSB-07 FOR DEMOLITION LIMITS.
3. PREPARE SELF PROPELLED MODULAR TRANSPORT (SPMT) ON SITE.
4. INSTALL COVERED DETOUR SIGNS AT REQUIRED LOCATIONS PER THE APPROVED MAINTENANCE AND TRAFFIC PROTECTION PLANS.

NOTES:

1. FOR PLANS AND DETAILS OF MERILLON AVENUE STATION, INCLUDING PLATFORM, ELEVATOR, AND RETAINING WALLS, SEE PACKAGE NUMBER MERS.10.01.

				DESIGNED BY: A.SEMANCHIK
				DRAWN BY: S.BRACERO
				CHECKED BY: N.SHAH
				APPROVED BY: S. SINGH
NO.	DATE	DESCRIPTION	APP'D	

Long Island Rail Road

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LIRR EXPANSION PROJECT FROM FLORAL PARK TO HICKSVILLE

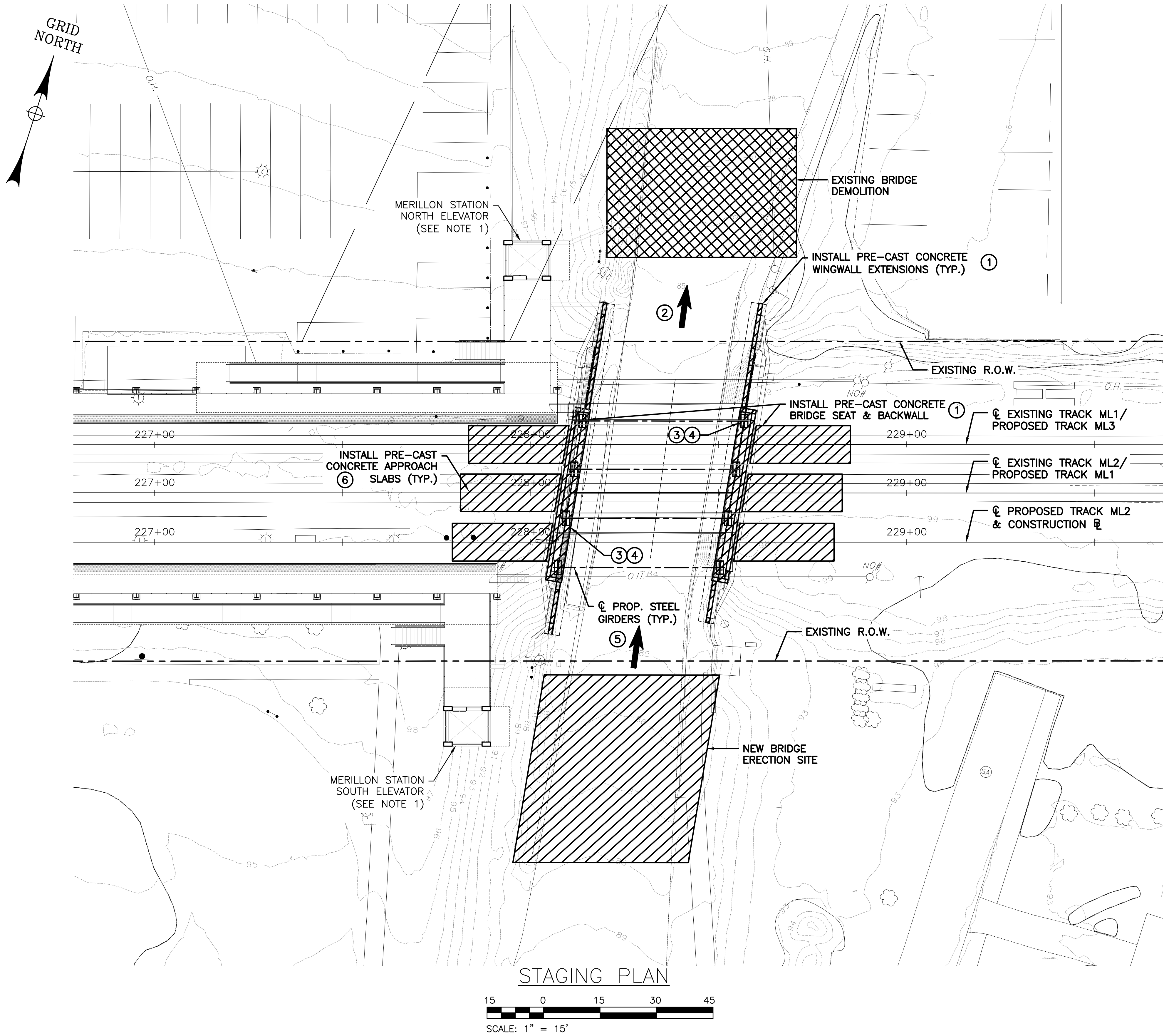
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NASSAU BOULEVARD – BRIDGE PACKAGE

STRUCTURES
CONSTRUCTION STAGING 2

60% SUBMISSION - NOT FOR CONSTRUCTION			
SCALE: AS SHOWN		CONTRACT NO. 6240	
EOR FIRM: T.Y.LIN INTERNATIONAL		DATE OCTOBER 19, 2018	
EOR ADDRESS: 110 William St., 29th Fl. New York, NY 10038		DRAWING NO. NSB-34	
PACKAGE NUMBER: NSBB.10.01		SHEET 59 OF 63	

File Name: nsb-33-nsb-35-tyl_60_plt.dwg Date: October 18, 2018 2:01pm by: krong



STAGE 3

1. CONSTRUCT WINGWALL EXTENSIONS AT THE NORTHWEST, SOUTHWEST, NORTHEAST & SOUTHEAST CORNERS.
2. DURING WEEKEND DOUBLE TRACK OUTAGE USING SPMT, ROLL EXISTING BRIDGE SUPERSTRUCTURE FROM SOUTH TO NORTH AND SET ON TEMPORARY TOWERS USING SPMT
3. SAWCUT AND REMOVE ALL CONCRETE ABOVE EXISTING BRIDGE SEAT. PREPARE EXISTING BRIDGE SEAT TO ACCEPT PROPOSED PRECAST CONCRETE BRIDGE SEAT AND BACKWALL. SEE NSB-06 AND NSB-07 FOR DEMOLITION PLAN AND SECTIONS FOR LIMITS.
4. INSTALL PRE-CAST CONCRETE BRIDGE SEAT AND BACKWALL, AND SET NEW BRIDGE BEARINGS.
5. ROLL NEW BRIDGE FROM SOUTH TO NORTH AND SET ON BEARINGS.
6. BACKFILL BACKWALLS, INSTALL PRECAST CONCRETE APPROACH SLABS. INSTALL BALLAST, AND SET AND ALIGN TRACKS.

STAGE 4

1. DEMOLISH AND REMOVE EXISTING BRIDGE SUPERSTRUCTURE DURING WEEKDAY NIGHT TEMPORARY ROADWAY CLOSURE.

NOTES:

1. FOR PLANS AND DETAILS OF MERILLON AVENUE STATION, INCLUDING PLATFORM, ELEVATOR, AND RETAINING WALLS, SEE PACKAGE NUMBER MERS.10.01.

LEGEND

- PROPOSED DEMOLITION
- PROPOSED CONSTRUCTION

60% SUBMISSION - NOT FOR CONSTRUCTION			
SCALE: AS SHOWN		CONTRACT NO. 6240	
EOR FIRM: T.Y.LIN INTERNATIONAL		DATE OCTOBER 19, 2018	
EOR ADDRESS: 110 William St., 29th Fl. New York, NY 10038		DRAWING NO. NSB-35	
PACKAGE NUMBER: NSBB.10.01		SHEET 60 OF 63	

				DESIGNED BY: A.SEMANCHIK
				DRAWN BY: S.BRACERO
				CHECKED BY: N.SHAH
				APPROVED BY: S. SINGH
NO.	DATE	DESCRIPTION	APP'D	

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NASSAU BOULEVARD – BRIDGE PACKAGE

STRUCTURES
CONSTRUCTION STAGING 3