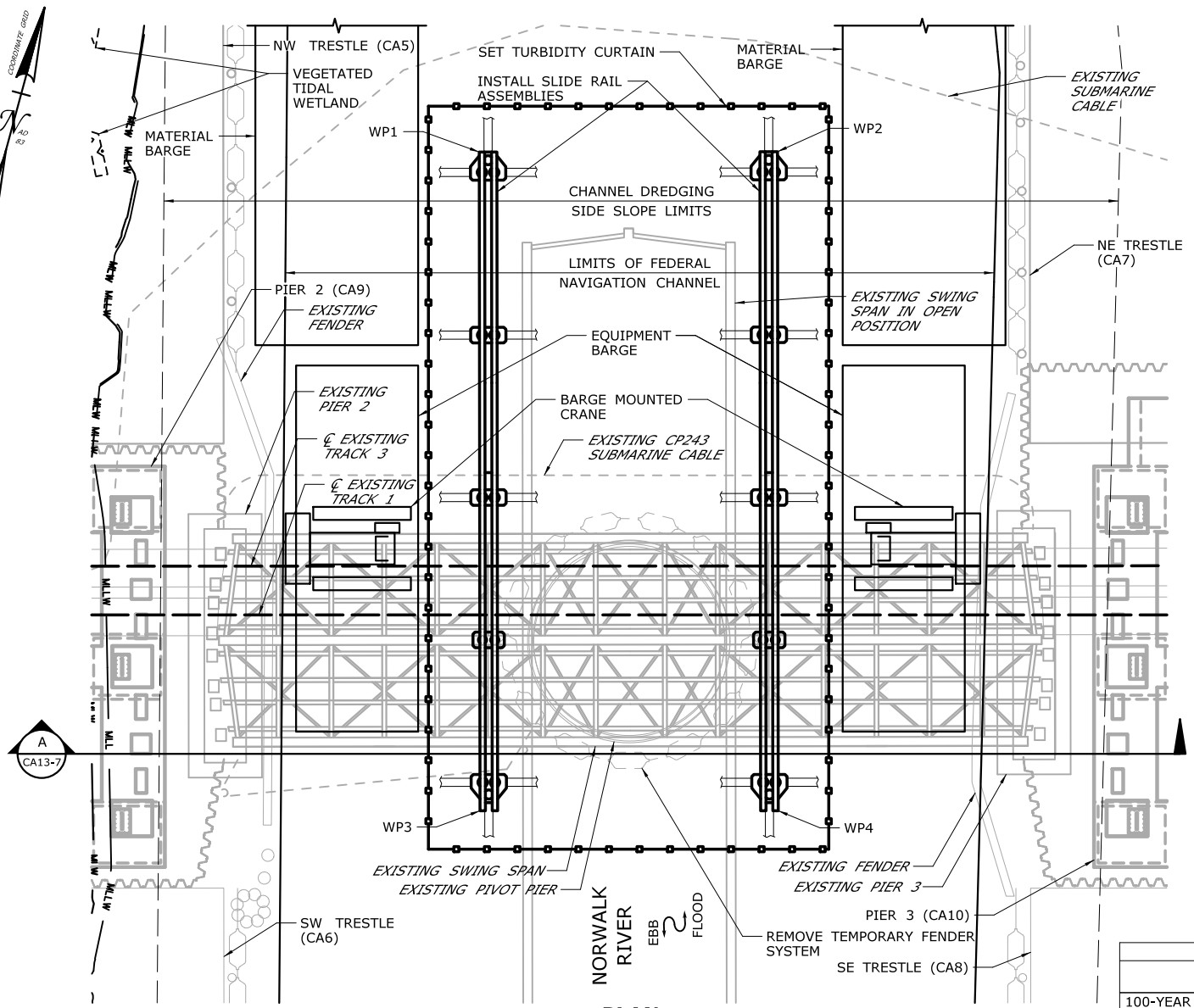


PLAN

WORKING POINT	NORTHING	EASTING
WP1	598,142	816,574
WP2	598,162	816,644
WP3	597,986	816,616
WP4	598,005	816,687

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE EXISTING SWING SPAN WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
X	CLOSE BOTH CHANNELS TO NAVIGATION AND REMOVE THE TEMPORARY FENDER SYSTEM AT THE PIVOT PIER.
X	SET TURBIDITY CURTAIN AND INSTALL SLIDE RAIL ASSEMBLIES BENEATH EXISTING SWING SPAN.
	INITIATE FOUR-TRACK OUTAGE. JACK UP SWING SPAN, INSTALL ROLLERS AND LATERAL JACKING SYSTEM, AND SLIDE SWING SPAN TO THE NORTH.
	DISASSEMBLE ENDS OF THE SWING SPAN FROM THE NW AND NE TEMPORARY TRESTLES.
	TRANSFER CENTER PORTION OF THE SWING SPAN ONTO A BARGE AND FLOAT TO ANOTHER LOCATION FOR DISASSEMBLY.
	SET TURBIDITY CURTAIN. REMOVE SOUTH HALF OF SLIDE RAIL ASSEMBLIES.
	REMOVE REMAINDER OF SLIDE RAIL ASSEMBLIES AND TURBIDITY CURTAIN.
	RE-OPEN CHANNEL TO NAVIGATION.

NOTES:

1. INSTALLATION OF PILES AND SLIDE RAILS UNDER THE SWING SPAN WILL BE PERFORMED WITH THE SWING SPAN IN THE OPEN POSITION.
2. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
3. THIS ACTIVITY WILL BE PERFORMED DURING A FULL CHANNEL OUTAGE SCHEDULED TO BEGIN PRIOR TO, AND EXTEND BEYOND, THE SOUTH LIFT SPAN INSTALLATION (ACTIVITY 18). START AND DURATION OF THE CHANNEL OUTAGE WILL BE COORDINATED IN ADVANCE WITH THE USCG.
4. SLIDE RAIL ASSEMBLY PILES AND SPUD PILES ARE ANTICIPATED TO BE 36" (MAX.) DIAMETER PIPE PILES.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 20 40
SCALE 1"=40'

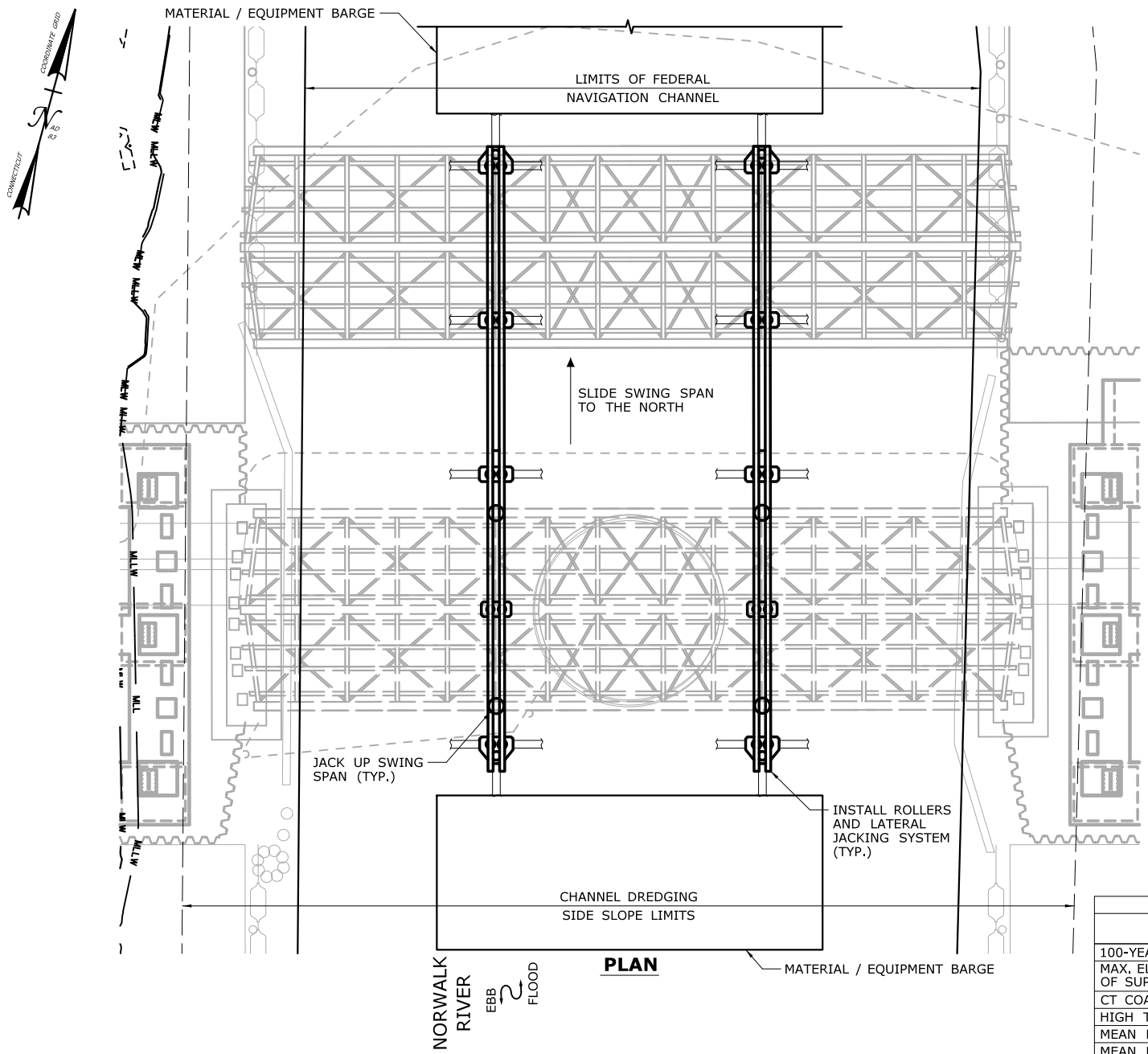
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 13 SWING SPAN REMOVAL (SHEET 1 OF 7)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA13-1**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE EXISTING SWING SPAN WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	CLOSE BOTH CHANNELS TO NAVIGATION AND REMOVE THE TEMPORARY FENDER SYSTEM AT THE PIVOT PIER.
	SET TURBIDITY CURTAIN AND INSTALL SLIDE RAIL ASSEMBLIES BENEATH EXISTING SWING SPAN.
X	INITIATE FOUR-TRACK OUTAGE. JACK UP SWING SPAN, INSTALL ROLLERS AND LATERAL JACKING SYSTEM, AND SLIDE SWING SPAN TO THE NORTH.
	DISASSEMBLE ENDS OF THE SWING SPAN FROM THE NW AND NE TEMPORARY TRESTLES.
	TRANSFER CENTER PORTION OF THE SWING SPAN ONTO A BARGE AND FLOAT TO ANOTHER LOCATION FOR DISASSEMBLY.
	SET TURBIDITY CURTAIN. REMOVE SOUTH HALF OF SLIDE RAIL ASSEMBLIES.
	REMOVE REMAINDER OF SLIDE RAIL ASSEMBLIES AND TURBIDITY CURTAIN.
	RE-OPEN CHANNEL TO NAVIGATION.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. EQUIPMENT AND MATERIAL BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 20 40
SCALE 1"=40'

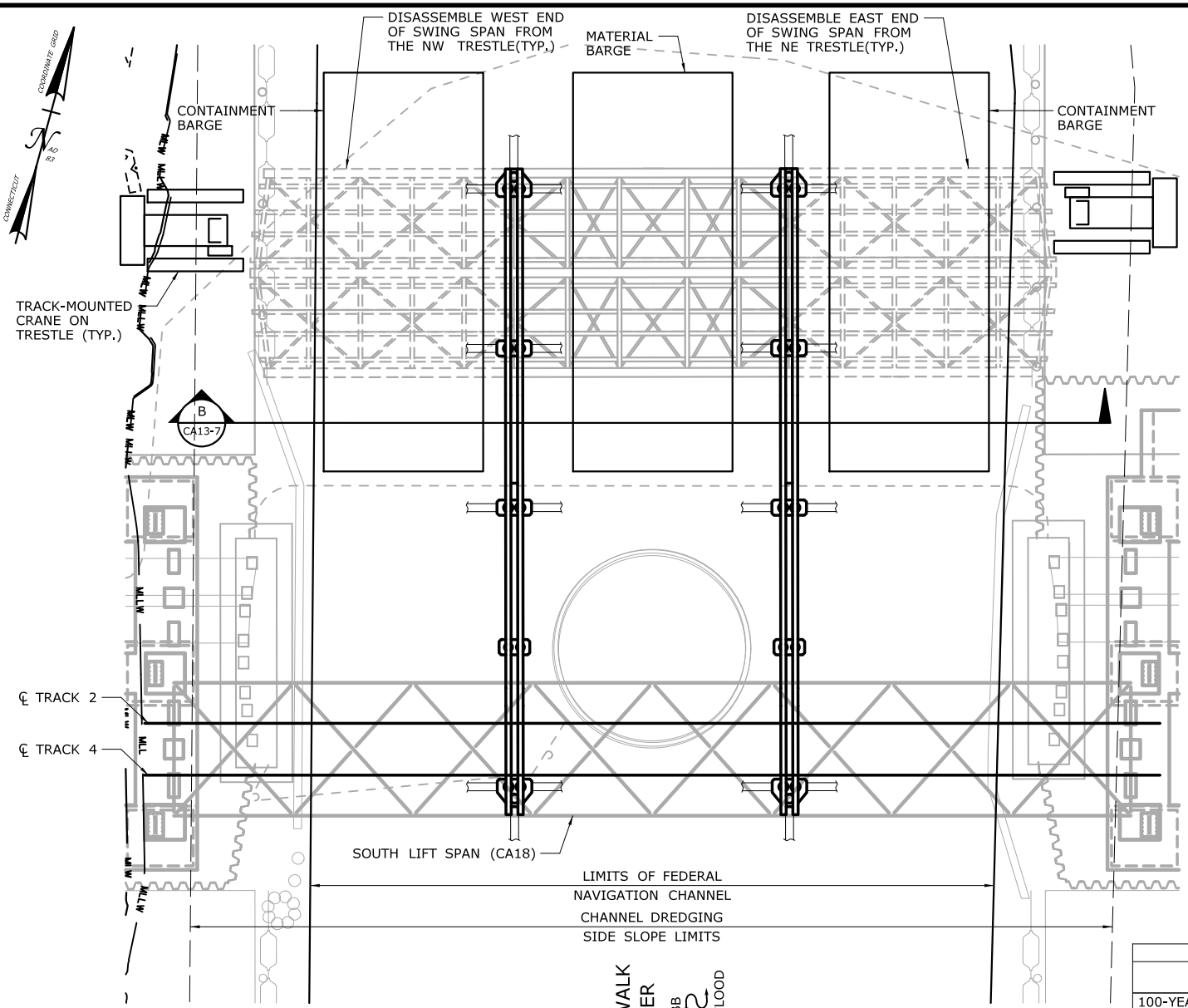
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 13 SWING SPAN REMOVAL (SHEET 2 OF 7)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA13-2**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE EXISTING SWING SPAN WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	CLOSE BOTH CHANNELS TO NAVIGATION AND REMOVE THE TEMPORARY FENDER SYSTEM AT THE PIVOT PIER.
	SET TURBIDITY CURTAIN AND INSTALL SLIDE RAIL ASSEMBLIES BENEATH EXISTING SWING SPAN.
	INITIATE FOUR-TRACK OUTAGE. JACK UP SWING SPAN, INSTALL ROLLERS AND LATERAL JACKING SYSTEM, AND SLIDE SWING SPAN TO THE NORTH.
X	DISASSEMBLE ENDS OF THE SWING SPAN FROM THE NW AND NE TEMPORARY TRESTLES.
	TRANSFER CENTER PORTION OF THE SWING SPAN ONTO A BARGE AND FLOAT TO ANOTHER LOCATION FOR DISASSEMBLY.
	SET TURBIDITY CURTAIN. REMOVE SOUTH HALF OF SLIDE RAIL ASSEMBLIES.
	REMOVE REMAINDER OF SLIDE RAIL ASSEMBLIES AND TURBIDITY CURTAIN.
	RE-OPEN CHANNEL TO NAVIGATION.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. EQUIPMENT AND MATERIAL BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.
3. CONTAINMENT BARGES WILL BE USED TO PREVENT EQUIPMENT, MATERIALS DEBRIS AND OTHER PRODUCTS OF SWING SPAN DISASSEMBLY FROM FALLING INTO THE WATER.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 20 40
SCALE 1"=40'

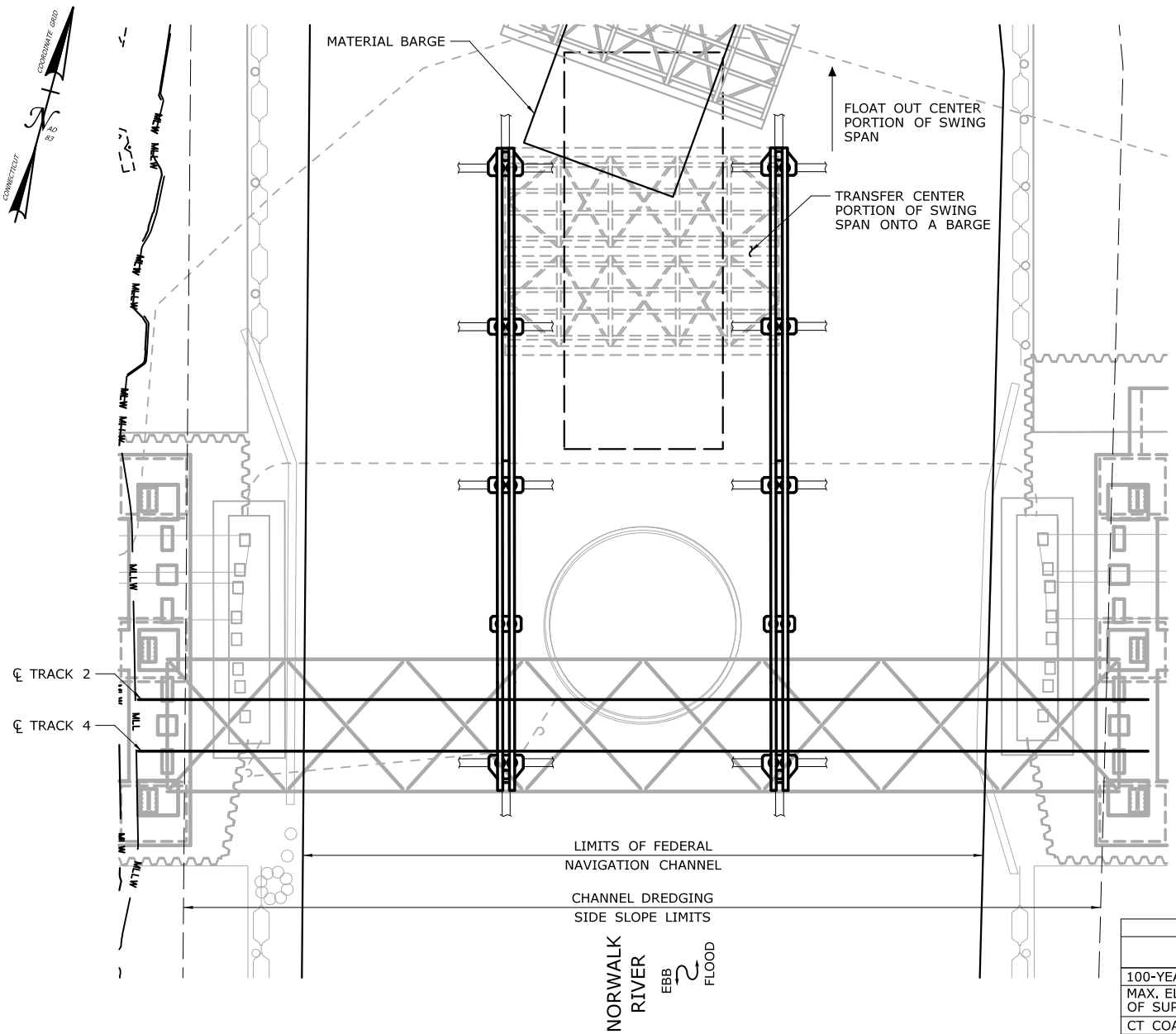
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 13 SWING SPAN REMOVAL (SHEET 3 OF 7)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA13-3**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE EXISTING SWING SPAN WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	CLOSE BOTH CHANNELS TO NAVIGATION AND REMOVE THE TEMPORARY FENDER SYSTEM AT THE PIVOT PIER.
	SET TURBIDITY CURTAIN AND INSTALL SLIDE RAIL ASSEMBLIES BENEATH EXISTING SWING SPAN.
	INITIATE FOUR-TRACK OUTAGE. JACK UP SWING SPAN, INSTALL ROLLERS AND LATERAL JACKING SYSTEM, AND SLIDE SWING SPAN TO THE NORTH.
	DISASSEMBLE ENDS OF THE SWING SPAN FROM THE NW AND NE TEMPORARY TRESTLES.
X	TRANSFER CENTER PORTION OF THE SWING SPAN ONTO A BARGE AND FLOAT TO ANOTHER LOCATION FOR DISASSEMBLY.
	SET TURBIDITY CURTAIN. REMOVE SOUTH HALF OF SLIDE RAIL ASSEMBLIES.
	REMOVE REMAINDER OF SLIDE RAIL ASSEMBLIES AND TURBIDITY CURTAIN.
	RE-OPEN CHANNEL TO NAVIGATION.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. EQUIPMENT AND MATERIAL BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 20 40
SCALE 1"=40'

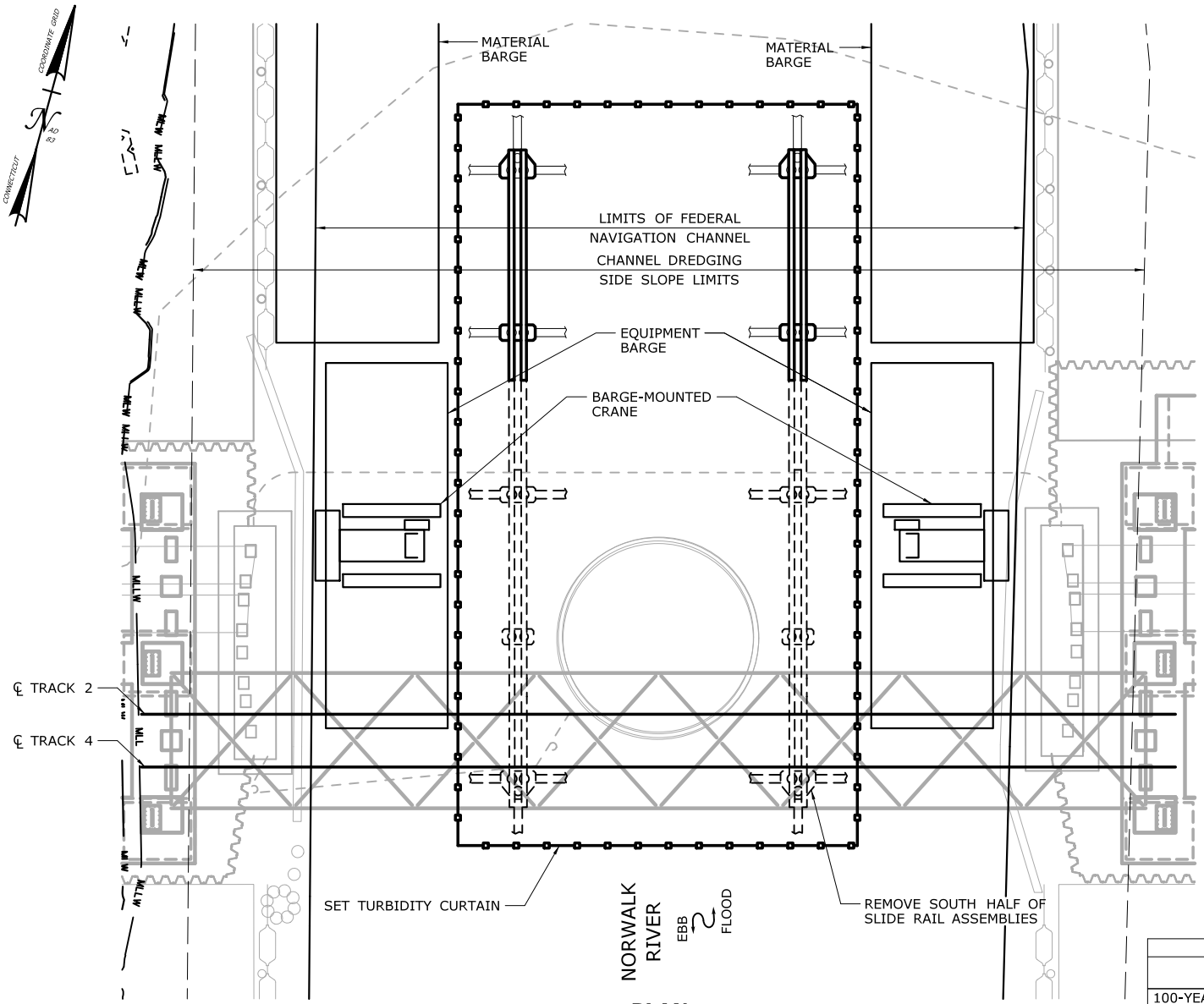
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 13 SWING SPAN REMOVAL (SHEET 4 OF 7)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA13-4**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE EXISTING SWING SPAN WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	CLOSE BOTH CHANNELS TO NAVIGATION AND REMOVE THE TEMPORARY FENDER SYSTEM AT THE PIVOT PIER.
	SET TURBIDITY CURTAIN AND INSTALL SLIDE RAIL ASSEMBLIES BENEATH EXISTING SWING SPAN.
	INITIATE FOUR-TRACK OUTAGE. JACK UP SWING SPAN, INSTALL ROLLERS AND LATERAL JACKING SYSTEM, AND SLIDE SWING SPAN TO THE NORTH.
	DISASSEMBLE ENDS OF THE SWING SPAN FROM THE NW AND NE TEMPORARY TRESTLES.
	TRANSFER CENTER PORTION OF THE SWING SPAN ONTO A BARGE AND FLOAT TO ANOTHER LOCATION FOR DISASSEMBLY.
X	SET TURBIDITY CURTAIN. REMOVE SOUTH HALF OF SLIDE RAIL ASSEMBLIES.
	REMOVE REMAINDER OF SLIDE RAIL ASSEMBLIES AND TURBIDITY CURTAIN.
	RE-OPEN CHANNEL TO NAVIGATION.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. BARGES SHOWN DEPICT REPRESENTATIVE LOCATIONS IN THE NAVIGATION CHANNELS THAT WILL BE UTILIZED AS NEEDED THROUGHOUT THE COURSE OF THE WORK.
3. EQUIPMENT AND MATERIAL BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.
4. THE LIFT SPAN (ACTIVITY 18) WILL BE RAISED AS NEEDED TO REMOVE SECTIONS OF THE SLIDE RAIL ASSEMBLIES BENEATH THE BRIDGE.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 20 40
SCALE 1"=40'

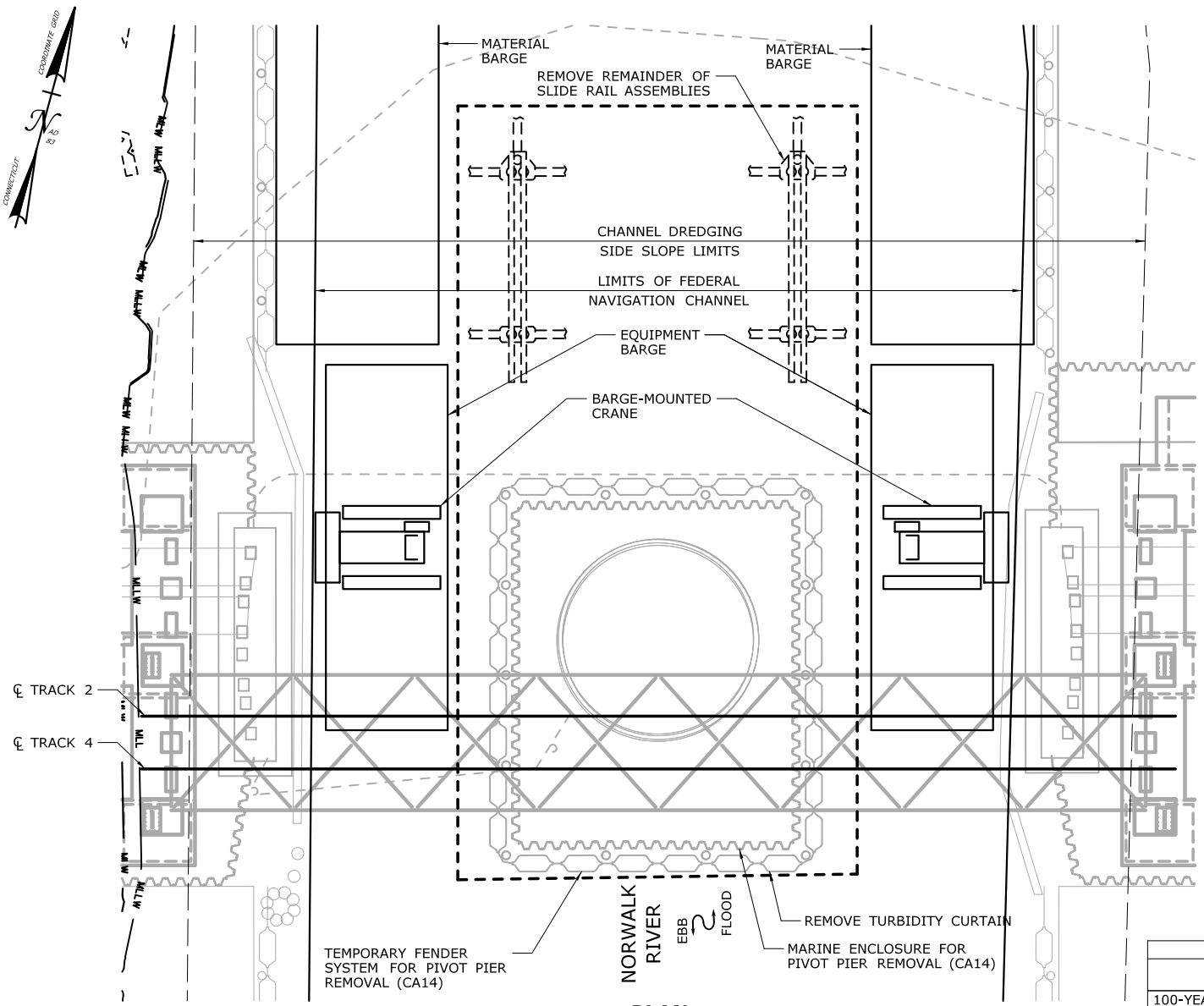
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 13 SWING SPAN REMOVAL (SHEET 5 OF 7)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA13-5**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE EXISTING SWING SPAN WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	CLOSE BOTH CHANNELS TO NAVIGATION AND REMOVE THE TEMPORARY FENDER SYSTEM AT THE PIVOT PIER.
	SET TURBIDITY CURTAIN AND INSTALL SLIDE RAIL ASSEMBLIES BENEATH EXISTING SWING SPAN.
	INITIATE FOUR-TRACK OUTAGE. JACK UP SWING SPAN, INSTALL ROLLERS AND LATERAL JACKING SYSTEM, AND SLIDE SWING SPAN TO THE NORTH.
	DISASSEMBLE ENDS OF THE SWING SPAN FROM THE NW AND NE TEMPORARY TRESTLES.
	TRANSFER CENTER PORTION OF THE SWING SPAN ONTO A BARGE AND FLOAT TO ANOTHER LOCATION FOR DISASSEMBLY.
	SET TURBIDITY CURTAIN. REMOVE SOUTH HALF OF SLIDE RAIL ASSEMBLIES.
X	REMOVE REMAINDER OF SLIDE RAIL ASSEMBLIES AND TURBIDITY CURTAIN.
X	RE-OPEN CHANNEL TO NAVIGATION.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. BARGES SHOWN DEPICT REPRESENTATIVE LOCATIONS IN THE NAVIGATION CHANNELS THAT WILL BE UTILIZED AS NEEDED THROUGHOUT THE COURSE OF THE WORK.
3. EQUIPMENT AND MATERIAL BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 20 40
SCALE 1"=40'

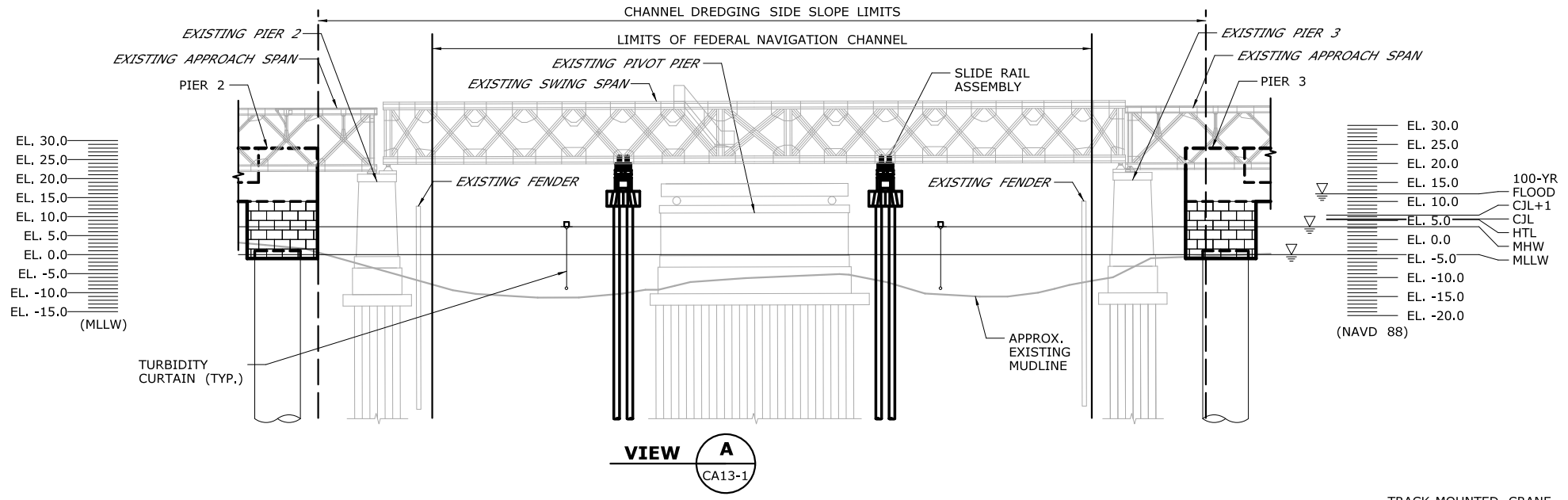
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

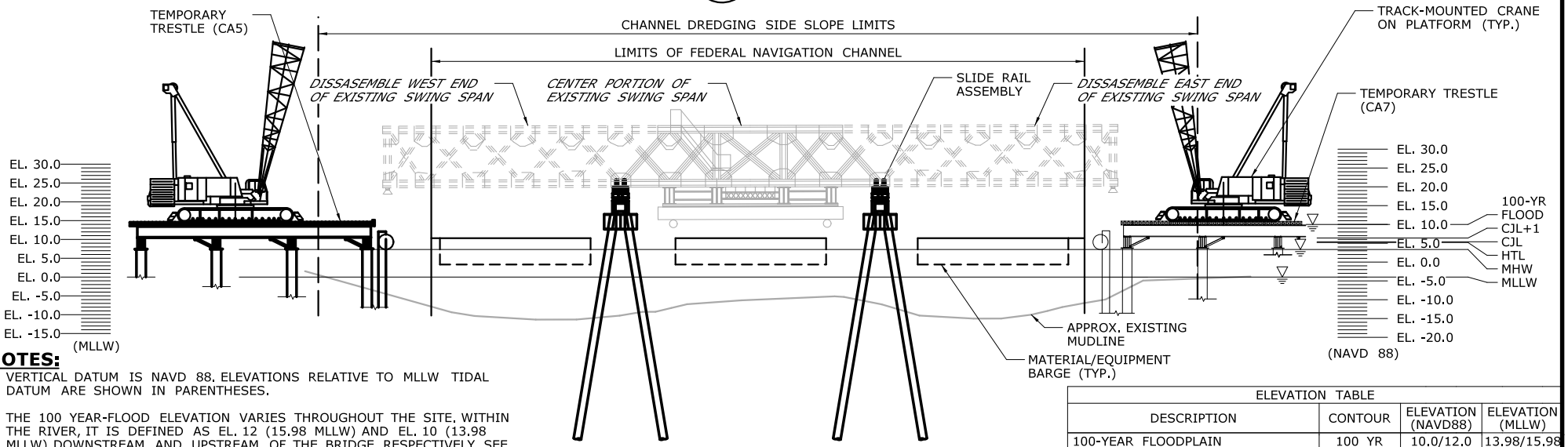
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 13 SWING SPAN REMOVAL (SHEET 6 OF 7)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA13-6**



VIEW A — CA13-1



VIEW B — CA13-3

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. THE 100 YEAR-FLOOD ELEVATION VARIES THROUGHOUT THE SITE. WITHIN THE RIVER, IT IS DEFINED AS EL. 12 (15.98 MLLW) AND EL. 10 (13.98 MLLW) DOWNSTREAM AND UPSTREAM OF THE BRIDGE, RESPECTIVELY. SEE FLOOD ZONE MAP (DWG. GEN-6) FOR ADDITIONAL INFORMATION.
3. SLIDE RAIL ASSEMBLY PILES WILL BE COMPLETELY REMOVED.
4. THE CHANNEL WILL BE CLOSED TO NAVIGATION THROUGHOUT THE DURATION OF THIS WORK.
5. FOR TRESTLE ELEVATIONS, SEE CA5 AND CA7.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE IN FEET 0 20 40 — SCALE 1"=40'

DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

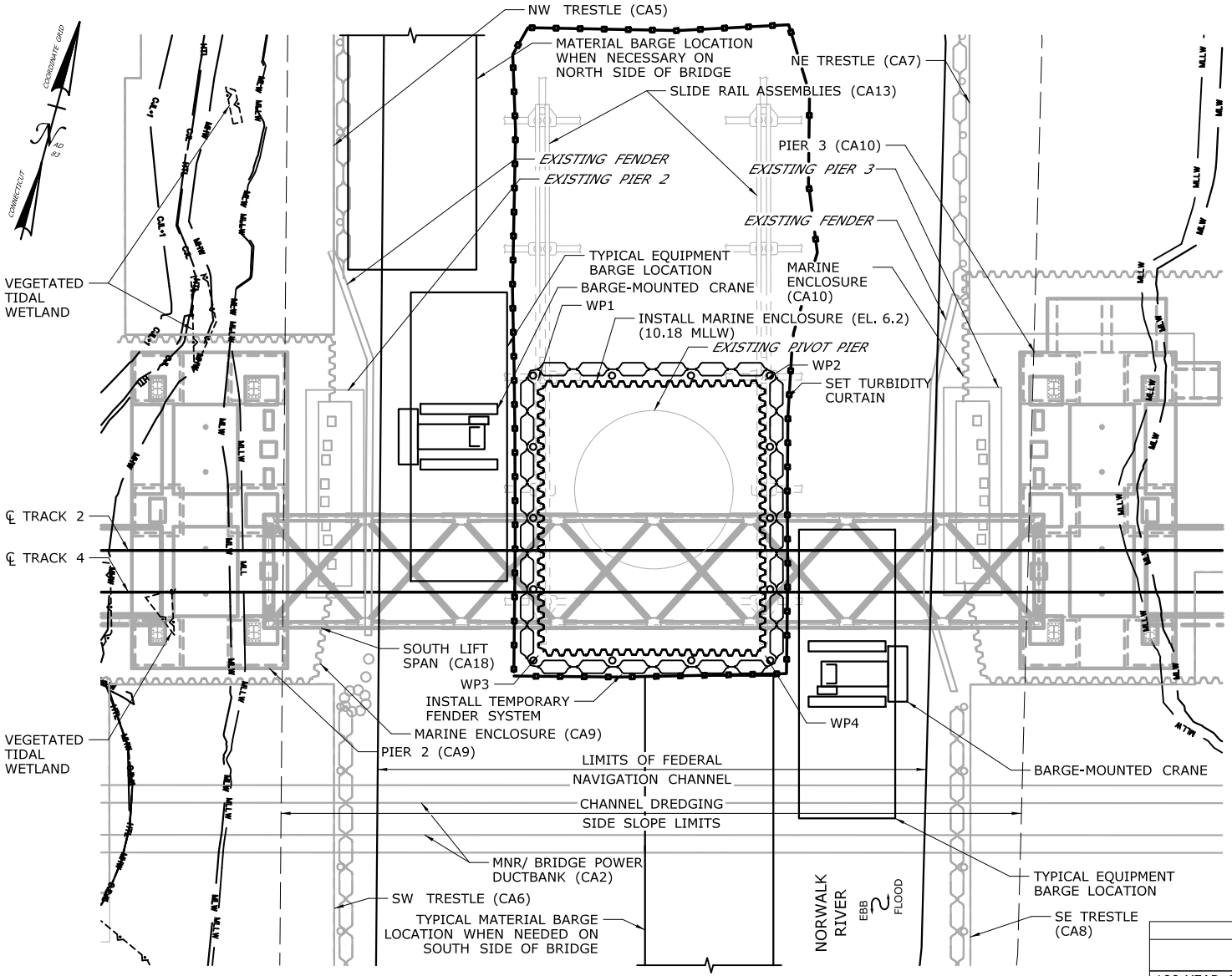
TOWN: **NORWALK**

DRAWING TITLE:
ACTIVITY 13 SWING SPAN REMOVAL (SHEET 7 OF 7)

PROJECT NO.: **0301-0176**

DATE: **REV 7-31-20**

DRAWING NO.: **CA13-7**



PLAN

WORKING POINT	NORTHING	EASTING
WP1	598,059	816,597
WP2	598,078	816,665
WP3	597,977	816,619
WP4	597,995	816,688

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE PIERS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
X	FOLLOWING REMOVAL OF THE SOUTH HALF OF THE SLIDE RAILS (SEE ACTIVITY 13), SET TURBIDITY CURTAIN AND INSTALL MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	EXCAVATE AROUND PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION. REMOVE PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	SET TURBIDITY CURTAIN. REMOVE EXISTING FENDER SYSTEM AND MODIFY MARINE ENCLOSURES AT PIERS 2 AND 3.
	INSTALL TEMPORARY FENDER SYSTEM. EXCAVATE AROUND EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION WITHIN MARINE ENCLOSURE.
	REMOVE EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE CHANNEL FACE OF MARINE ENCLOSURES AT PIERS 2 AND 3.

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. THE WORK ON THIS SHEET WILL BE ACCOMPLISHED WHILE THE CHANNEL IS CLOSED TO NAVIGATION.
3. MARINE ENCLOSURE INSTALLATION WILL BE COORDINATED WITH REMOVAL OF THE SLIDE RAILS (ACTIVITY 13) TO TAKE ADVANTAGE OF THE NAVIGATION OUTAGE.
4. SINGLE-CHANNEL RESTRICTIONS MAY BE NEEDED UNTIL THE MARINE ENCLOSURE IS COMPLETE.
5. TEMPORARY AIDS TO NAVIGATION (E.G., LIGHTS) WILL BE COORDINATED WITH THE USCG.
6. THE LIFT SPAN WILL BE RAISED AS NEED TO INSTALL THE MARINE ENCLOSURE.
7. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES. EQUIPMENT AND MATERIAL BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

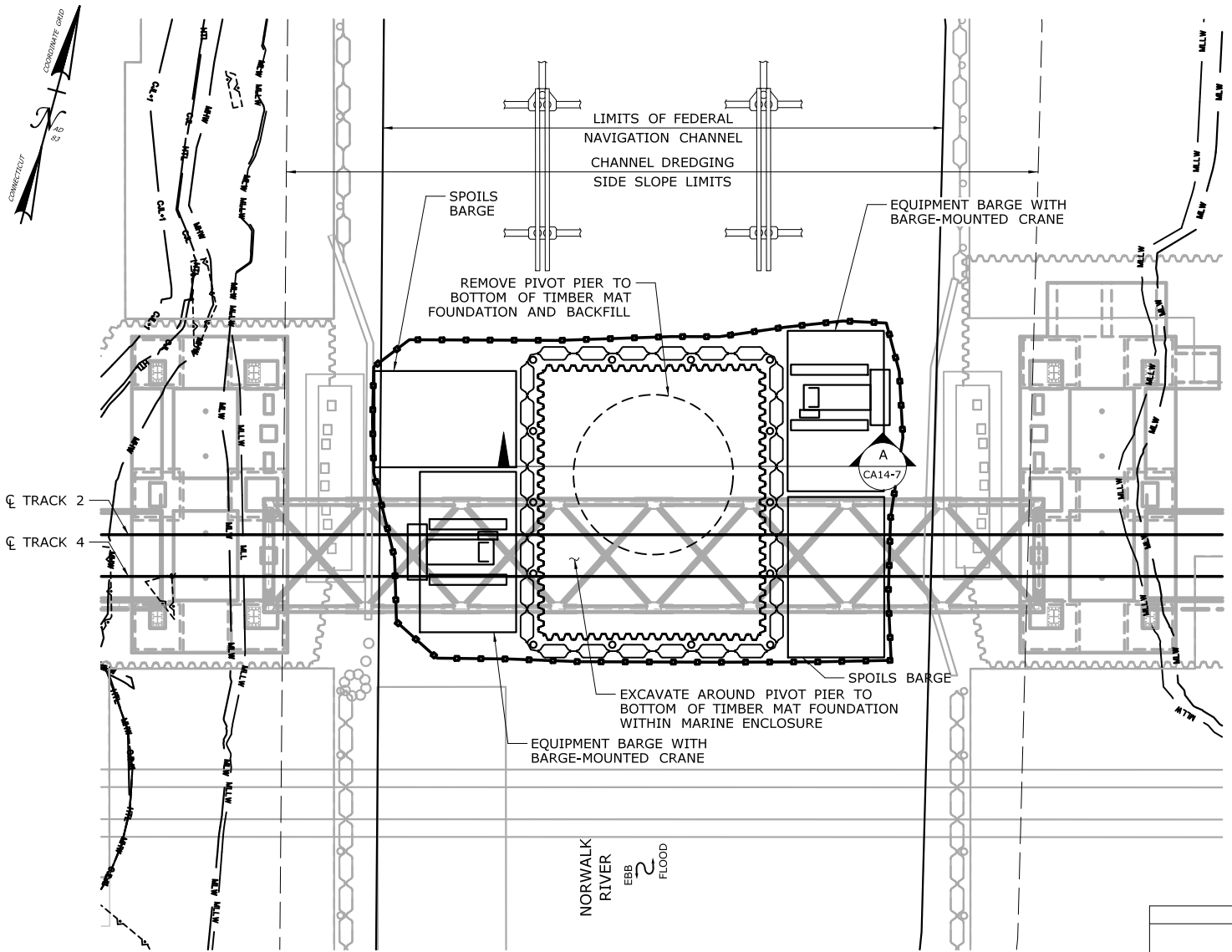
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 14 PIER REMOVAL (SHEET 1 OF 8)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA14-1**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE PIERS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	FOLLOWING REMOVAL OF THE SOUTH HALF OF THE SLIDE RAILS (SEE ACTIVITY 13), SET TURBIDITY CURTAIN AND INSTALL MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
X	EXCAVATE AROUND PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION. REMOVE PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	SET TURBIDITY CURTAIN. REMOVE EXISTING FENDER SYSTEM AND MODIFY MARINE ENCLOSURES AT PIERS 2 AND 3.
	INSTALL TEMPORARY FENDER SYSTEM. EXCAVATE AROUND EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION WITHIN MARINE ENCLOSURE.
	REMOVE EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE CHANNEL FACE OF MARINE ENCLOSURES AT PIERS 2 AND 3.

NOTES:

1. THE WORK ON THIS SHEET WILL BE ACCOMPLISHED WHILE THE CHANNEL IS CLOSED TO NAVIGATION.
2. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
3. BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.
4. SPOIL TANKS WILL BE USED FOR DEWATERING OF MATERIAL EXCAVATED FROM WITHIN THE MARINE ENCLOSURE.
5. PIER REMOVAL WORK ABOVE HIGH TIDE LINE IS ANTICIPATED TO BE PERFORMED USING HYDRAULIC BREAKERS (E.G., JACKHAMMERS AND HOE RAMS). SPLASH FROM FALLING DEBRIS SHALL BE LIMITED TO THE AREA WITHIN TURBIDITY CURTAIN. PIER REMOVAL WORK BELOW HIGH TIDE LINE IS ANTICIPATED TO BE PERFORMED USING AN EXCAVATOR WITH A THUMB. BELOW THE HTL, HYDRAULIC BREAKERS (E.G., JACKHAMMERS AND HOE RAMS) AND EXPLOSIVES WILL NOT BE USED.
6. THE LIFT SPAN WILL BE RAISED AS NEEDED FOR EXCAVATION AND REMOVAL.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

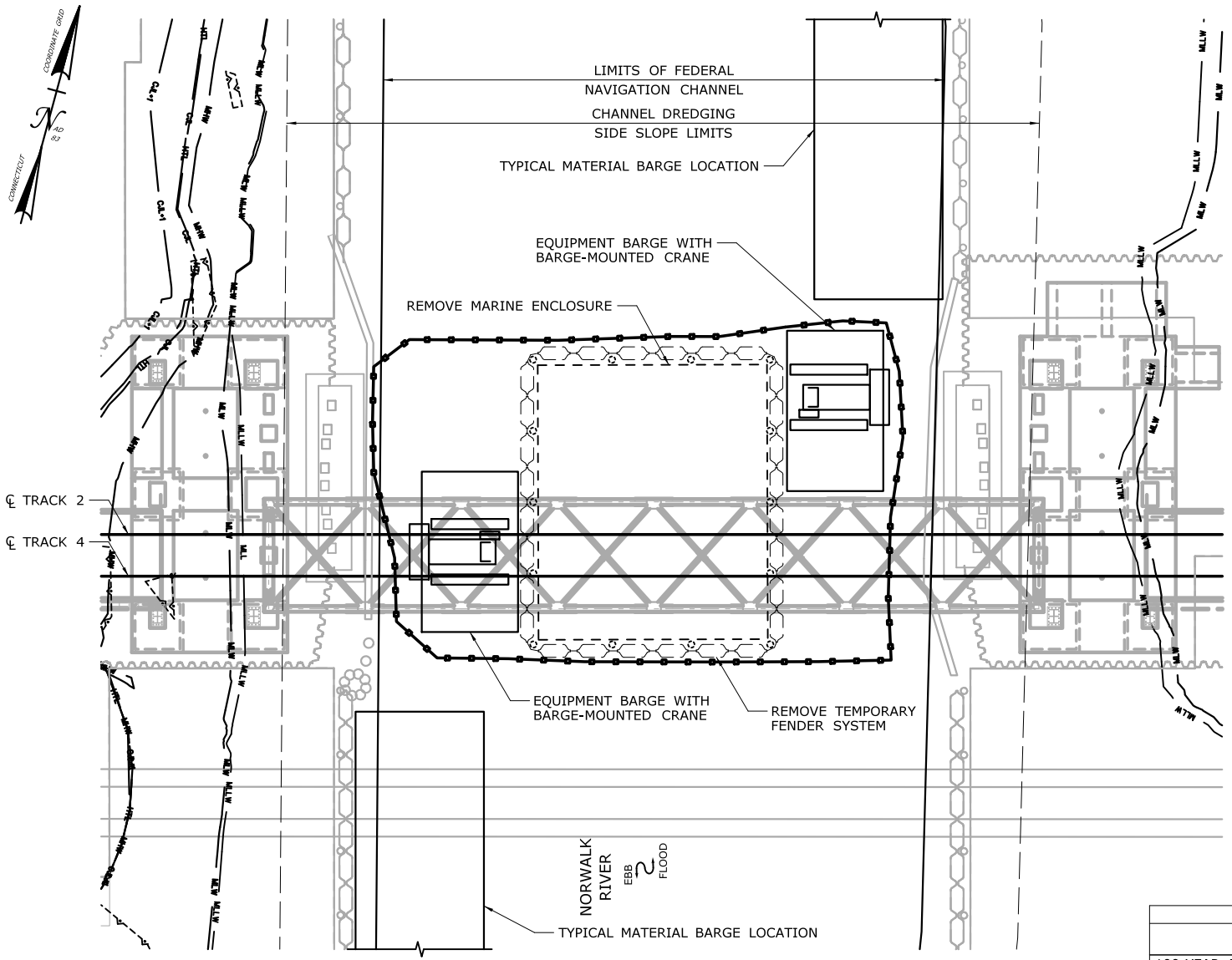
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 14 PIER REMOVAL (SHEET 2 OF 8)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA14-2**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE PIERS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

WORK DESCRIPTION

	FOLLOWING REMOVAL OF THE SOUTH HALF OF THE SLIDE RAILS (SEE ACTIVITY 13), SET TURBIDITY CURTAIN AND INSTALL MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	EXCAVATE AROUND PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION. REMOVE PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
X	REMOVE MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	SET TURBIDITY CURTAIN, REMOVE EXISTING FENDER SYSTEM AND MODIFY MARINE ENCLOSURES AT PIERS 2 AND 3.
	INSTALL TEMPORARY FENDER SYSTEM. EXCAVATE AROUND EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION WITHIN MARINE ENCLOSURE.
	REMOVE EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE CHANNEL FACE OF MARINE ENCLOSURES AT PIERS 2 AND 3.

NOTES:

1. THE WORK ON THIS SHEET WILL BE ACCOMPLISHED WILE THE CHANNEL IS CLOSED TO NAVIGATION.
2. THE LIFT SPAN WILL BE RAISED AS NEEDED TO REMOVE SECTIONS OF THE MARINE ENCLOSURE BENEATH THE BRIDGE.
3. BARGES WILL NOT SIMULTANEOUSLY OCCUPY BOTH CHANNELS WHILE THE CHANNEL IS OPEN.
4. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
5. BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.
6. TEMPORARY AIDS TO NAVIGATION (E.G., LIGHTS) WILL BE COORDINATED WITH THE USCG.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

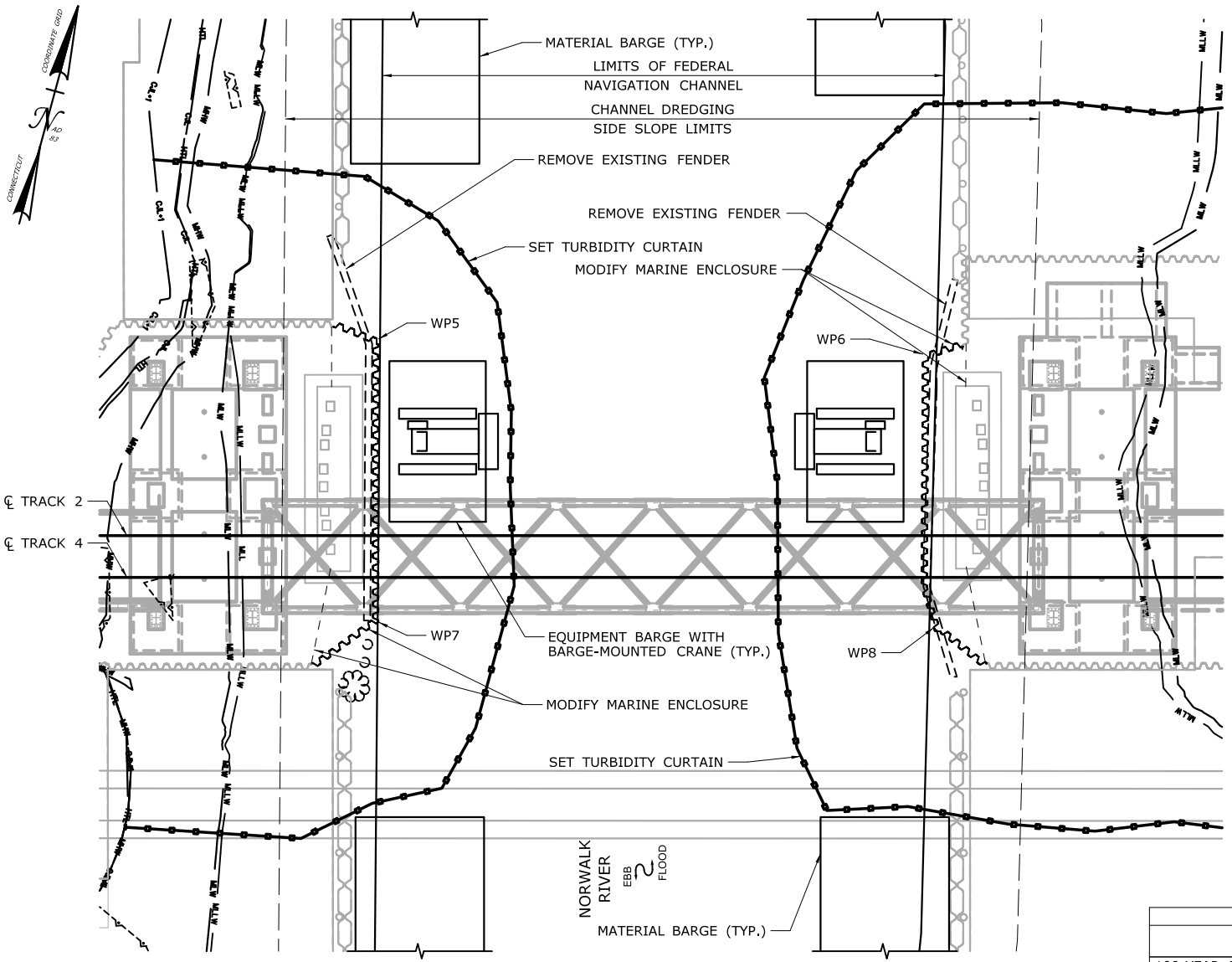
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 14 PIER REMOVAL (SHEET 3 OF 8)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA14-3**



PLAN

WORKING POINT	NORTHING	EASTING
WP5	598,054	816,547
WP6	598,094	816,712
WP7	597,969	816,570
WP8	598,013	816,737

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE PIERS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	FOLLOWING REMOVAL OF THE SOUTH HALF OF THE SLIDE RAILS (SEE ACTIVITY 13), SET TURBIDITY CURTAIN AND INSTALL MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	EXCAVATE AROUND PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION. REMOVE PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
X	SET TURBIDITY CURTAIN. REMOVE EXISTING FENDER SYSTEM AND MODIFY MARINE ENCLOSURES AT PIERS 2 AND 3.
	INSTALL TEMPORARY FENDER SYSTEM. EXCAVATE AROUND EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION WITHIN MARINE ENCLOSURE.
	REMOVE EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE CHANNEL FACE OF MARINE ENCLOSURES AT PIERS 2 AND 3.

NOTES:

1. THE LIFT SPAN WILL BE RAISED AS NEEDED TO MODIFY SECTIONS OF THE MARINE ENCLOSURES BENEATH THE BRIDGE.
2. WORK WILL PROGRESS ONE PIER AT A TIME. BARGES WILL NOT SIMULTANEOUSLY OCCUPY BOTH NAVIGATION CHANNELS AFTER THE CHANNEL IS RE-OPENED.
3. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES. BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.
4. TEMPORARY AIDS TO NAVIGATION (E.G., LIGHTS) WILL BE COORDINATED WITH THE USCG.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

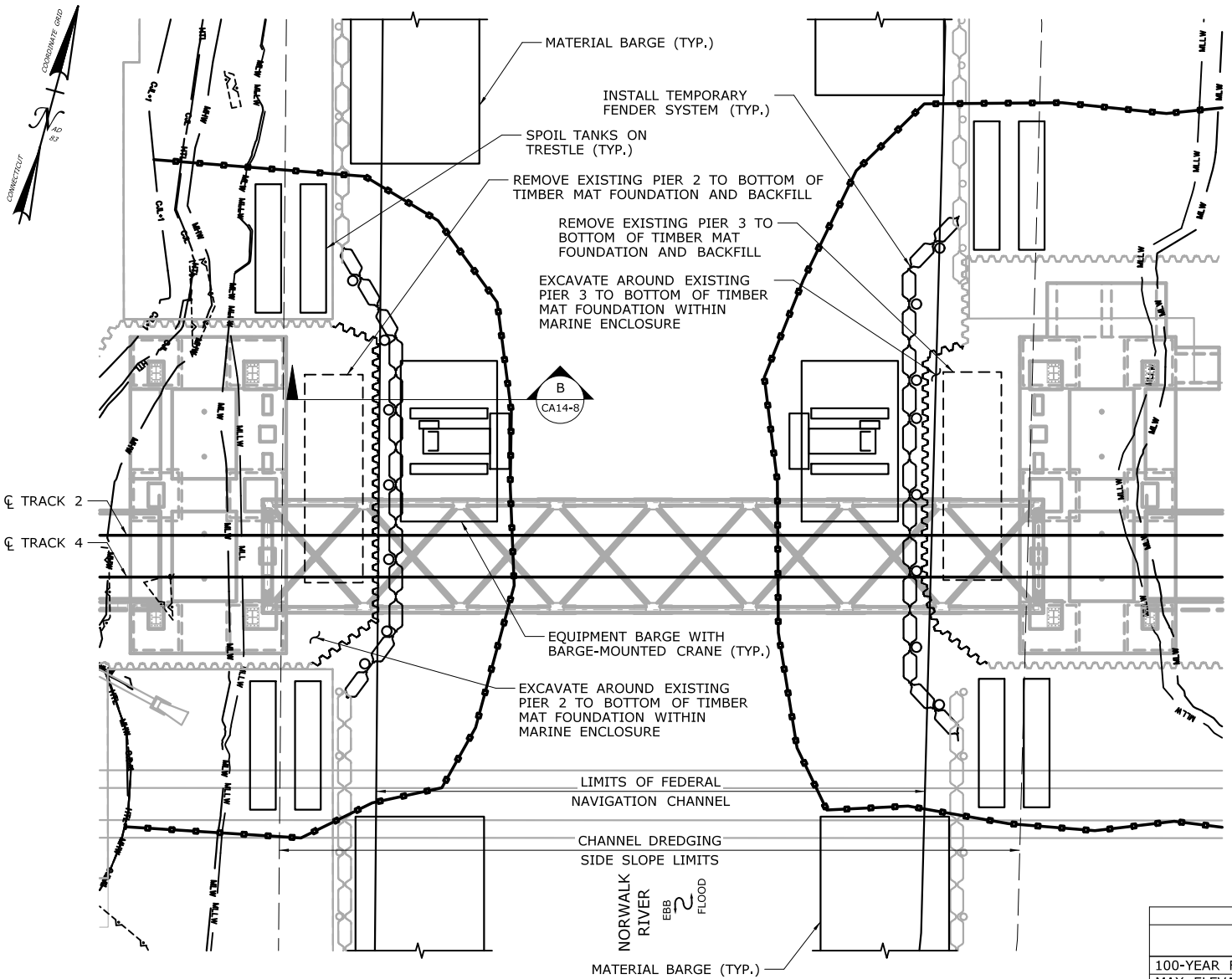
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 14 PIER REMOVAL (SHEET 4 OF 8)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA14-4**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE PIERS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	FOLLOWING REMOVAL OF THE SOUTH HALF OF THE SLIDE RAILS (SEE ACTIVITY 13), SET TURBIDITY CURTAIN AND INSTALL MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	EXCAVATE AROUND PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION. REMOVE PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	SET TURBIDITY CURTAIN. REMOVE EXISTING FENDER SYSTEM AND MODIFY MARINE ENCLOSURES AT PIERS 2 AND 3.
X	INSTALL TEMPORARY FENDER SYSTEM. EXCAVATE AROUND EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION WITHIN MARINE ENCLOSURE.
X	REMOVE EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE CHANNEL FACE OF MARINE ENCLOSURES AT PIERS 2 AND 3.

NOTES:

1. WORK WILL PROGRESS ONE PIER AT A TIME. BARGES WILL NOT SIMULTANEOUSLY OCCUPY BOTH NAVIGATION CHANNELS WHILE THE CHANNEL IS OPEN.
2. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES. BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.
3. SPOIL TANKS WILL BE USED FOR DEWATERING OF MATERIAL EXCAVATED FROM WITHIN THE MARINE ENCLOSURE.
4. PIER REMOVAL WORK ABOVE HIGH TIDE LINE IS ANTICIPATED TO BE PERFORMED USING HYDRAULIC BREAKERS (E.G., JACKHAMMERS AND HOE RAMS). SPLASH FROM FALLING DEBRIS SHALL BE LIMITED TO THE AREA WITHIN TURBIDITY CURTAIN. PIER REMOVAL WORK BELOW HIGH TIDE LINE IS ANTICIPATED TO BE PERFORMED USING AN EXCAVATOR WITH A THUMB. BELOW THE HTL, HYDRAULIC BREAKERS (E.G., JACKHAMMERS AND HOE RAMS) AND EXPLOSIVES WILL NOT BE USED.
5. THE LIFT SPAN WILL BE RAISED AS NEEDED FOR EXCAVATION AND REMOVAL.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

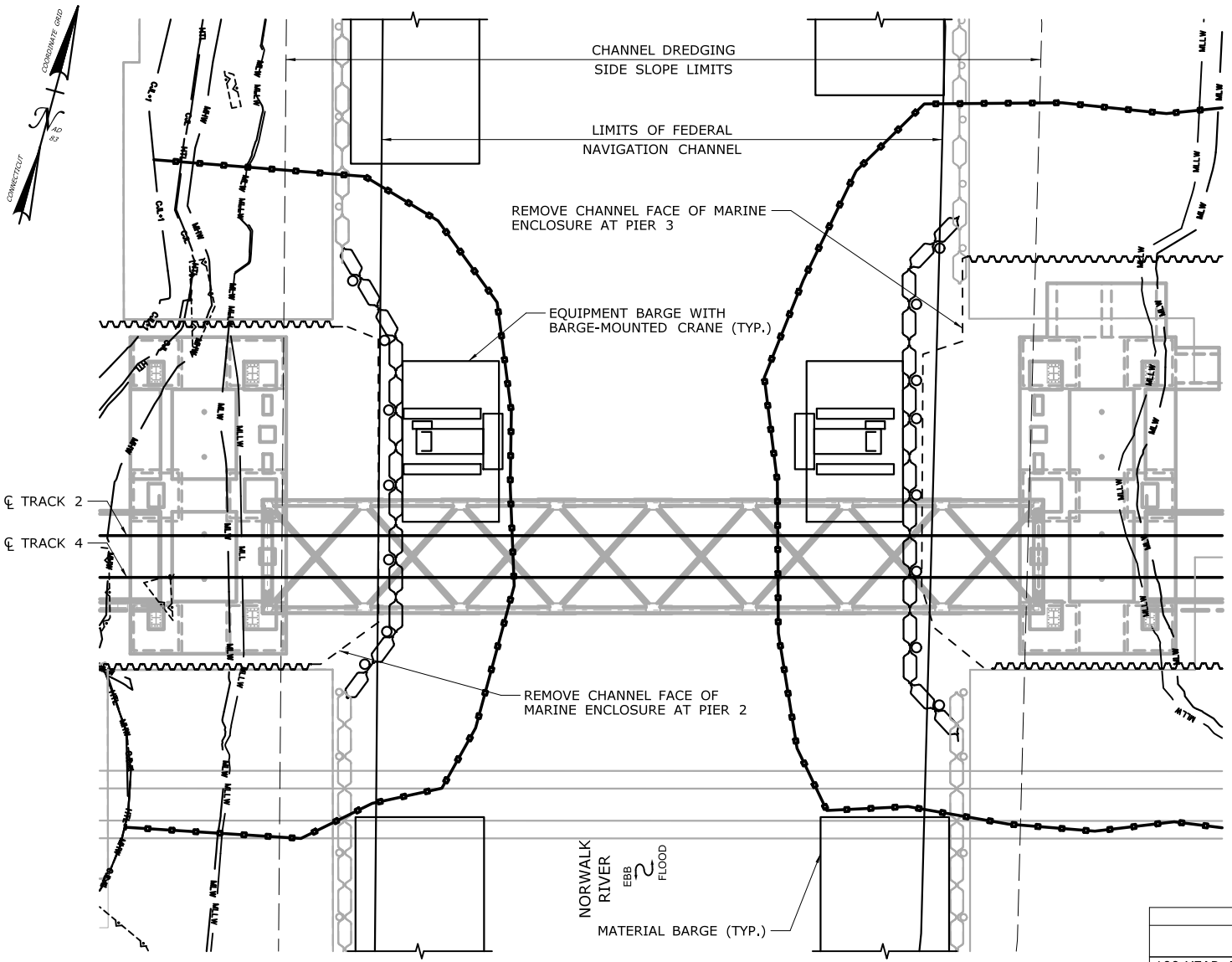
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 14 PIER REMOVAL (SHEET 5 OF 8)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA14-5**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO REMOVE THE PIERS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	FOLLOWING REMOVAL OF THE SOUTH HALF OF THE SLIDE RAILS (SEE ACTIVITY 13), SET TURBIDITY CURTAIN AND INSTALL MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	EXCAVATE AROUND PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION. REMOVE PIVOT PIER TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
	REMOVE MARINE ENCLOSURE AND TEMPORARY FENDER SYSTEM AROUND PIVOT PIER.
	SET TURBIDITY CURTAIN. REMOVE EXISTING FENDER SYSTEM AND MODIFY MARINE ENCLOSURES AT PIERS 2 AND 3.
	INSTALL TEMPORARY FENDER SYSTEM. EXCAVATE AROUND EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION WITHIN MARINE ENCLOSURE.
	REMOVE EXISTING PIERS 2 AND 3 TO BOTTOM OF TIMBER MAT FOUNDATION AND BACKFILL.
X	REMOVE CHANNEL FACE OF MARINE ENCLOSURES AT PIERS 2 AND 3.

NOTES:

1. THE LIFT SPAN WILL BE RAISED AS NEEDED TO REMOVE SECTIONS OF THE MARINE ENCLOSURES BENEATH THE BRIDGE.
2. WORK WILL PROGRESS ONE PIER AT A TIME. BARGES WILL NOT SIMULTANEOUSLY OCCUPY BOTH NAVIGATION CHANNELS.
3. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
4. BARGES WILL BE MOORED TO TRESTLE MOORING PILES OR SPUD PILES (36" MAX.) IN THE RIVER.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

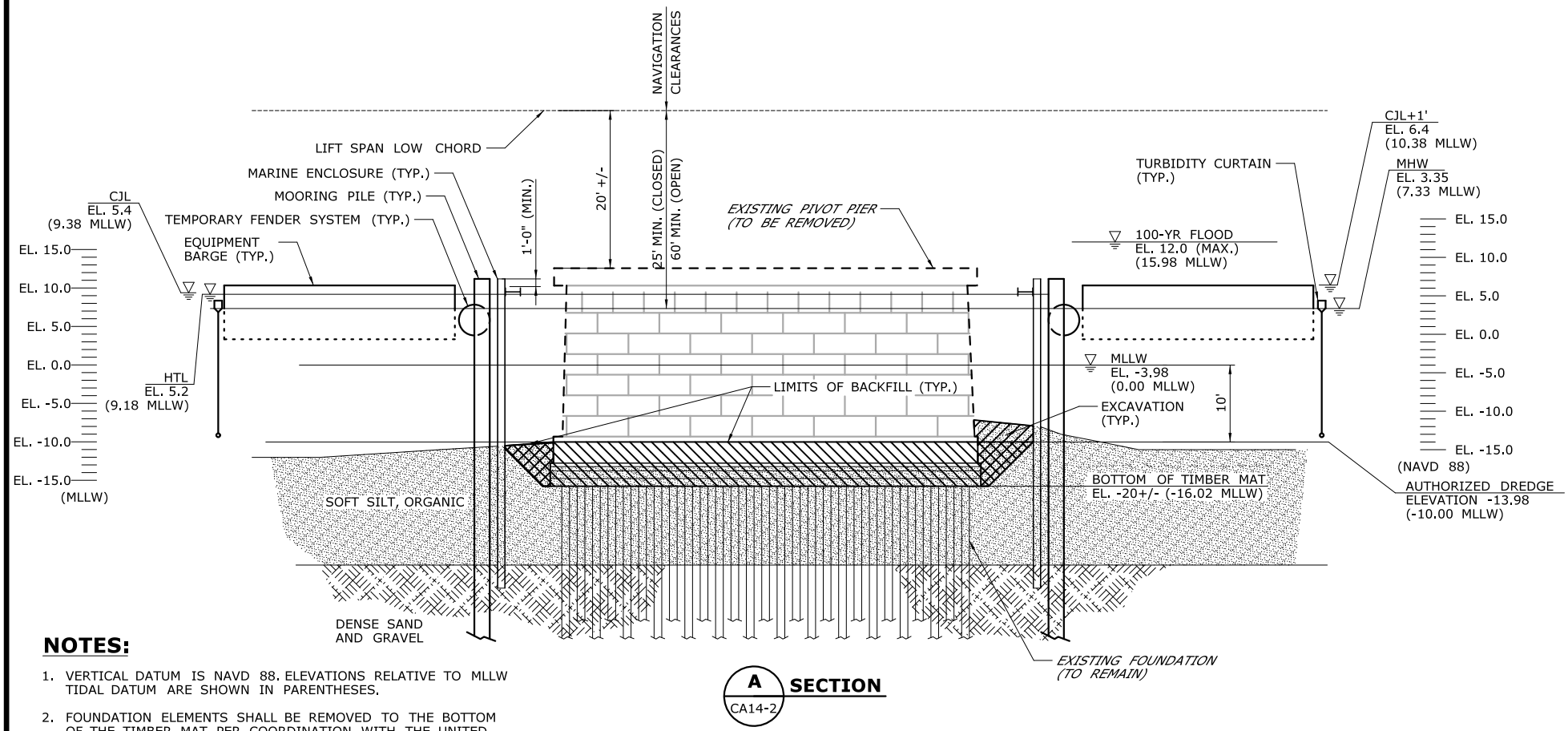
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 14 PIER REMOVAL (SHEET 6 OF 8)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA14-6**



A
CA14-2
SECTION

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. FOUNDATION ELEMENTS SHALL BE REMOVED TO THE BOTTOM OF THE TIMBER MAT, PER COORDINATION WITH THE UNITED STATES ARMY CORPS OF ENGINEERS.
3. THE 100-YEAR FLOOD ELEVATION VARIES THROUGHOUT THE SITE. WITHIN THE RIVER, IT IS DEFINED AS EL. 12 (15.98 MLLW) AND EL. 10 (13.98 MLLW) DOWNSTREAM AND UPSTREAM OF THE BRIDGE, RESPECTIVELY. SEE FLOOD ZONE MAP (DWG. GEN-6) FOR ADDITIONAL INFORMATION.
4. THE WATER LEVEL WITHIN THE MARINE ENCLOSURE WILL BE MAINTAINED AT OR BELOW THE WATER ELEVATION IN THE RIVER.
5. MARINE ENCLOSURE WILL BE INSTALLED SO THAT THE TOP WILL BE AT OR ABOVE ELEV. 6.2 (10.18 MLLW), 1 FOOT ABOVE THE HIGH TIDE LINE.
6. BACKFILL WILL CONSIST OF SOILS CONTAINING NO MORE THAN 25% SAND BY WEIGHT AND AN ORGANIC CONTENT NO LESS THAN 25% AND NO MORE THAN 40% BY WEIGHT.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 10 20
SCALE 1"=20'

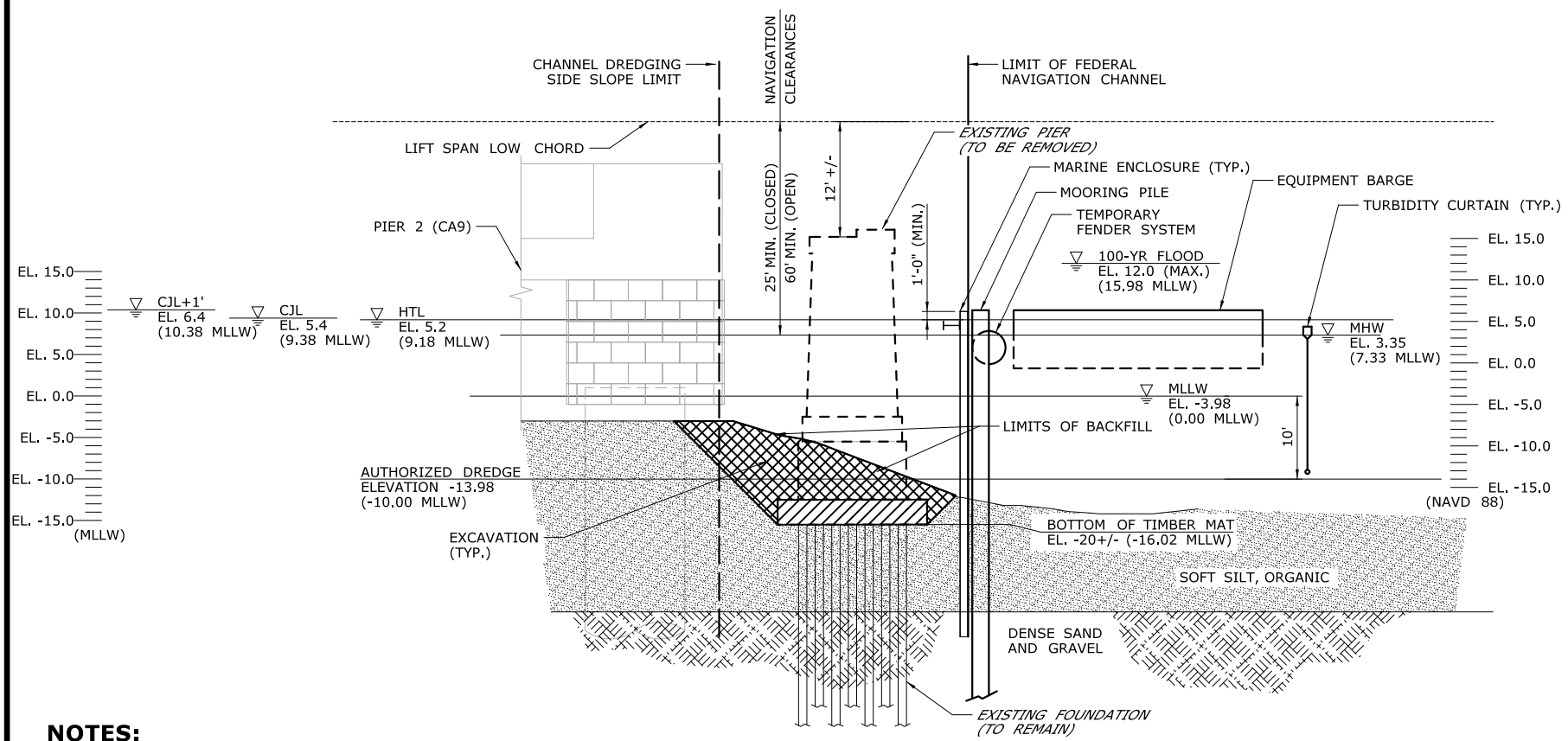
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 14 PIER REMOVAL (SHEET 7 OF 8)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA14-7**



NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. FOUNDATION ELEMENTS SHALL BE REMOVED TO THE BOTTOM OF THE TIMBER MAT, PER COORDINATION WITH THE UNITED STATES ARMY CORPS OF ENGINEERS.
3. THE 100-YEAR FLOOD ELEVATION VARIES THROUGHOUT THE SITE. WITHIN THE RIVER, IT IS DEFINED AS EL. 12 (15.98 MLLW) AND EL. 10 (13.98 MLLW) DOWNSTREAM AND UPSTREAM OF THE BRIDGE, RESPECTIVELY. SEE FLOOD ZONE MAP (DWG. GEN-6) FOR ADDITIONAL INFORMATION.
4. THE WATER LEVEL WITHIN THE MARINE ENCLOSURE WILL BE MAINTAINED AT OR BELOW THE WATER ELEVATION IN THE RIVER.
5. MARINE ENCLOSURE WILL BE INSTALLED SO THAT THE TOP WILL BE AT OR ABOVE ELEV. 6.2 (10.18 MLLW), 1 FOOT ABOVE THE HIGH TIDE LINE.
6. BACKFILL WILL CONSIST OF SOILS CONTAINING NO MORE THAN 25% SAND BY WEIGHT AND AN ORGANIC CONTENT NO LESS THAN 25% AND NO MORE THAN 40% BY WEIGHT.

B / CA14-5 **SECTION**
(EXISTING PIER 2 SHOW, EXISTING PIER 3 SIMILAR)

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE IN FEET 0 10 20 SCALE 1"=20'

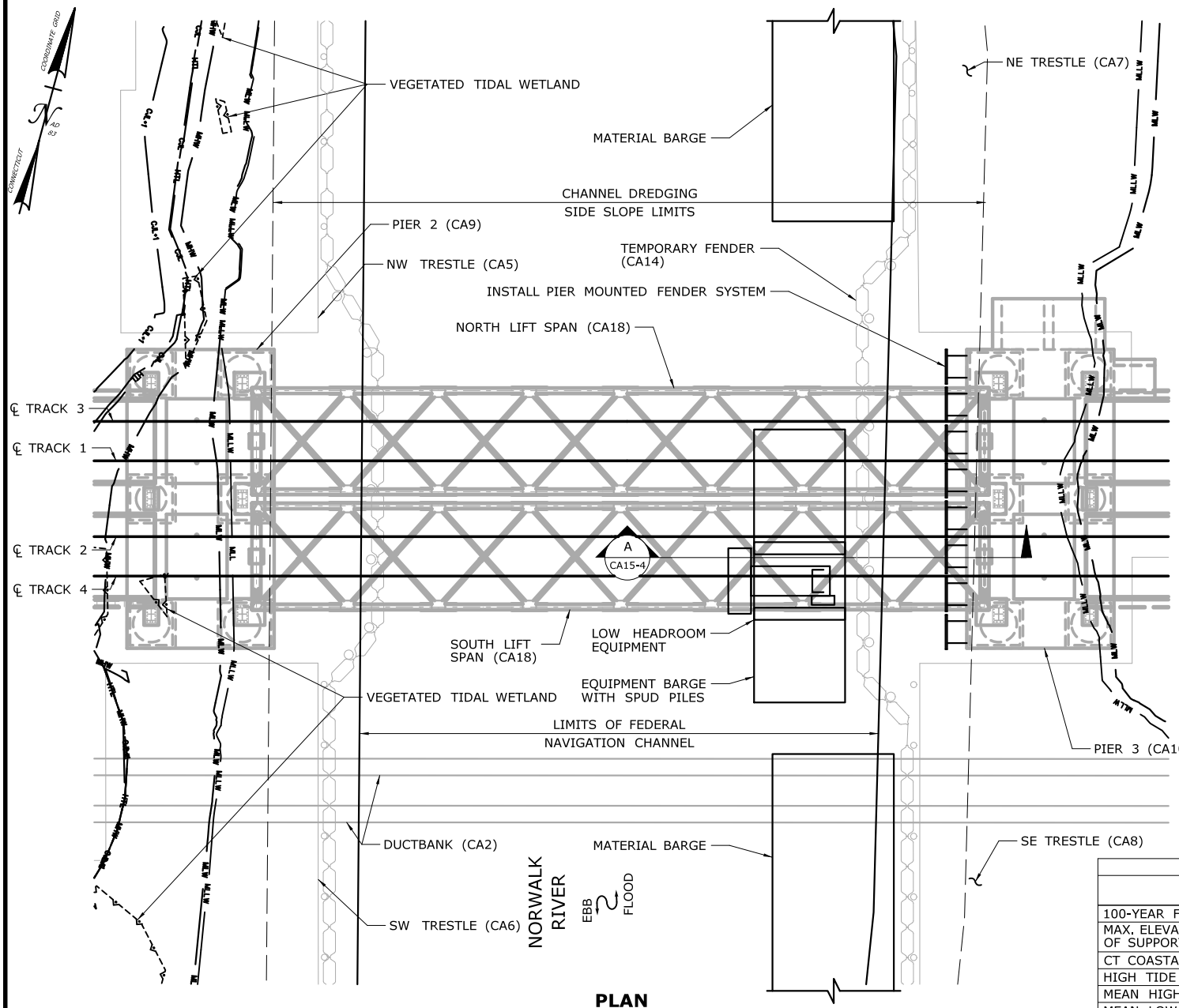
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 14 PIER REMOVAL (SHEET 8 OF 8)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA14-8**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL THE FENDER SYSTEM WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
X	INSTALL PIER MOUNTED FENDER SYSTEM ON THE CHANNEL FACE OF THE PIER.
	FOLLOWING TRESTLE REMOVAL, SET TURBIDITY CURTAIN AND REMOVE TEMPORARY FENDER SYSTEM.
	INSTALL PIER MOUNTED FENDER SYSTEM FOR SOUTH FACE OF PIER. DRIVE FENDER PILES FOR INDEPENDENT FENDER SYSTEM.
	COMPLETE INDEPENDENT FENDER SYSTEM.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. EAST SIDE FENDER SHOWN FOR ILLUSTRATION PURPOSES. WEST SIDE FENDER WILL BE BUILT IN SIMILAR MANNER. BOTH FENDERS CAN BE WORKED ON AT THE SAME TIME AS LONG AS THE CHANNEL REMAINS OPEN FOR NAVIGATION.
3. LIMITS OF TEMPORARY FENDER SYSTEM AND TEMPORARY AIDS TO NAVIGATION (E.G., LIGHTS) WILL BE COORDINATED WITH THE USCG.
4. TEMPORARY FENDER SYSTEM SHALL BE IN PLACE PRIOR TO THE INSTALLATION OF THE PERMANENT FENDER.
5. FENDER PILES AND SPUD PILES ARE ANTICIPATED TO BE 36" (MAX.) DIAMETER PIPE PILES.
6. LIFT SPANS WILL BE RAISED AS NEED TO INSTALL THE PIER MOUNTED FENDER SYSTEM.
7. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

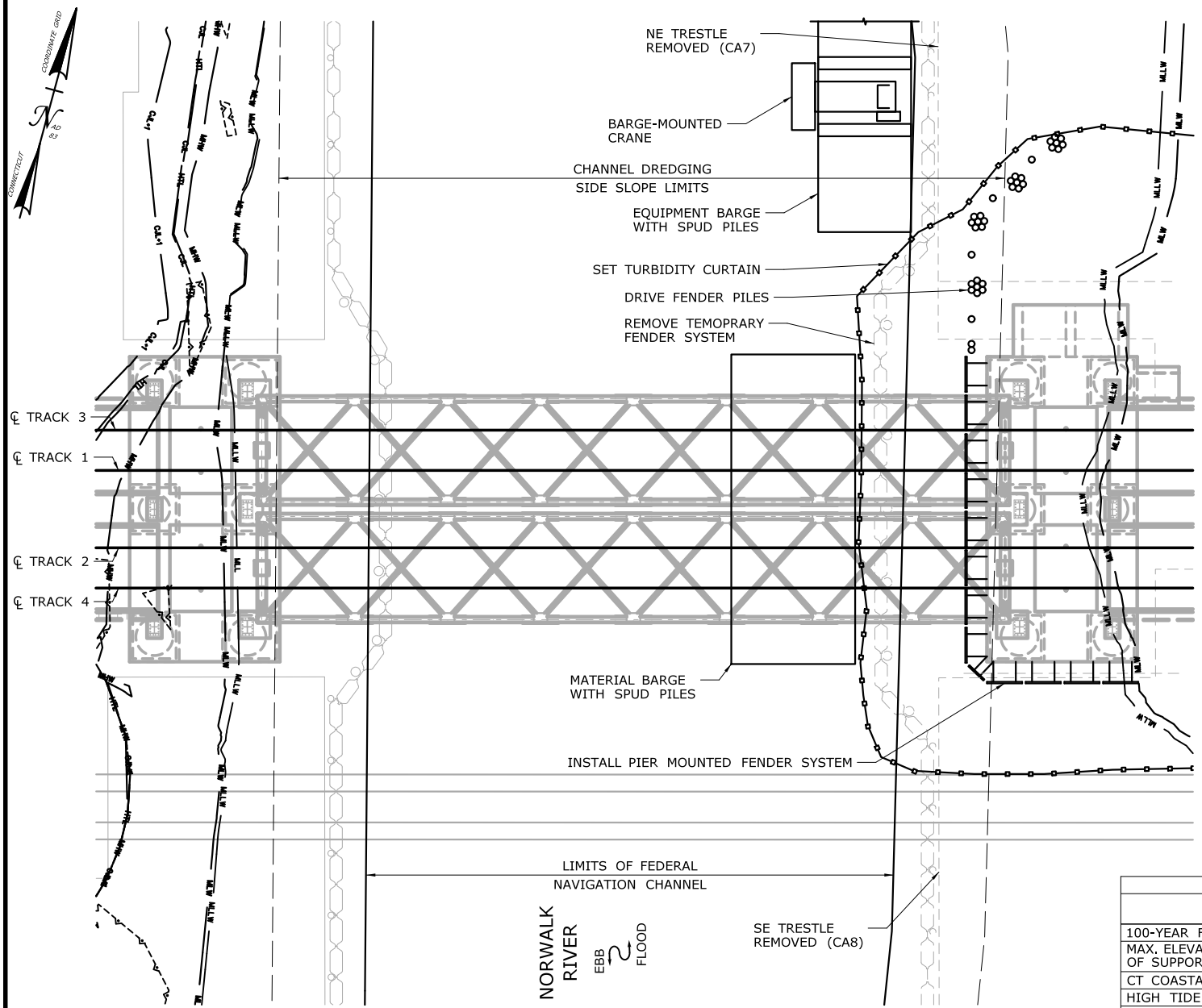
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 15 FENDER INSTALLATION (SHEET 1 OF 5)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA15-1**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL THE FENDER SYSTEM WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	INSTALL PIER MOUNTED FENDER SYSTEM ON THE CHANNEL FACE OF THE PIER.
X	FOLLOWING TRESTLE REMOVAL, SET TURBIDITY CURTAIN AND REMOVE TEMPORARY FENDER SYSTEM.
X	INSTALL PIER MOUNTED FENDER SYSTEM FOR SOUTH FACE OF PIER. DRIVE FENDER PILES FOR INDEPENDENT FENDER SYSTEM.
	COMPLETE INDEPENDENT FENDER SYSTEM.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. EAST SIDE FENDER SHOWN FOR ILLUSTRATION PURPOSES. WEST SIDE FENDER WILL BE BUILT IN SIMILAR MANNER. BOTH FENDERS CAN BE WORKED ON AT THE SAME TIME AS LONG AS THE CHANNEL REMAINS OPEN FOR NAVIGATION.
3. TEMPORARY FENDER SYSTEM SHALL BE IN PLACE PRIOR TO THE INSTALLATION OF THE PERMANENT FENDER.
4. FENDER PILES AND SPUD PILES ARE ANTICIPATED TO BE 36" (MAX.) DIAMETER PIPE PILES.
5. TURBIDITY CURTAIN LOCATION WILL BE COORDINATED WITH PIER AND TRESTLE REMOVALS.
6. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

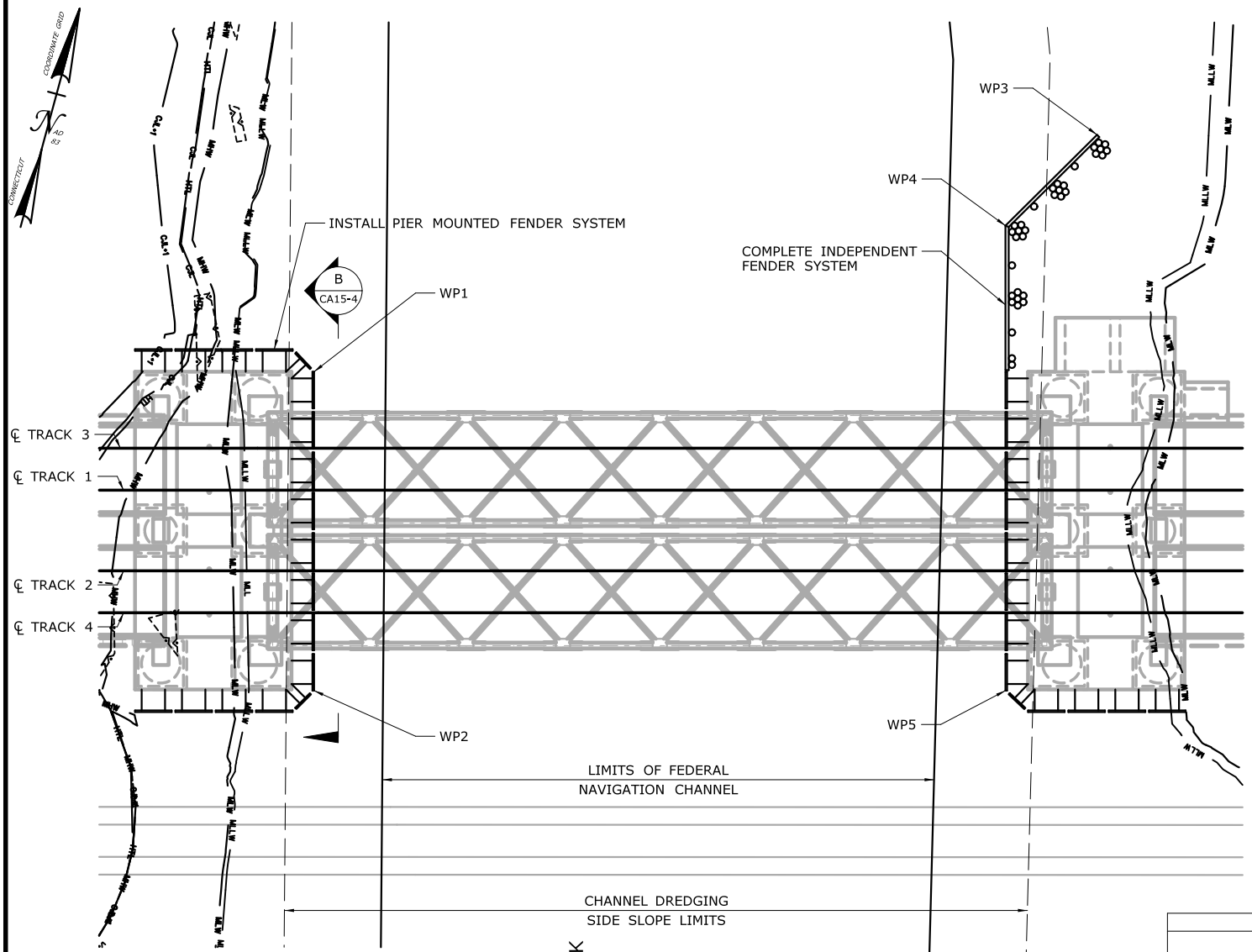
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 15 FENDER INSTALLATION (SHEET 2 OF 5)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA15-2**



CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL THE FENDER SYSTEM WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	INSTALL PIER MOUNTED FENDER SYSTEM ON THE CHANNEL FACE OF THE PIER.
	FOLLOWING TRESTLE REMOVAL, SET TURBIDITY CURTAIN AND REMOVE TEMPORARY FENDER SYSTEM.
	INSTALL PIER MOUNTED FENDER SYSTEM FOR SOUTH FACE OF PIER. DRIVE FENDER PILES FOR INDEPENDENT FENDER SYSTEM.
X	COMPLETE INDEPENDENT FENDER SYSTEM.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. EAST SIDE FENDER SHOWN FOR ILLUSTRATION PURPOSES. WEST SIDE FENDER WILL BE BUILT IN SIMILAR MANNER. BOTH FENDERS CAN BE WORKED ON AT THE SAME TIME AS LONG AS THE CHANNEL REMAINS OPEN FOR NAVIGATION.
3. TEMPORARY FENDER SYSTEM SHALL BE IN PLACE PRIOR TO THE INSTALLATION OF THE PERMANENT FENDER.
4. FENDER PILES AND SPUD PILES ARE ANTICIPATED TO BE 36" (MAX.) DIAMETER PIPE PILES.
5. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.

WORKING POINT	NORTHING	EASTING
WP1	598,049	816,526
WP2	597,954	816,552
WP3	598,184	816,741
WP4	598,149	816,721
WP5	598,010	816,759

PLAN

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

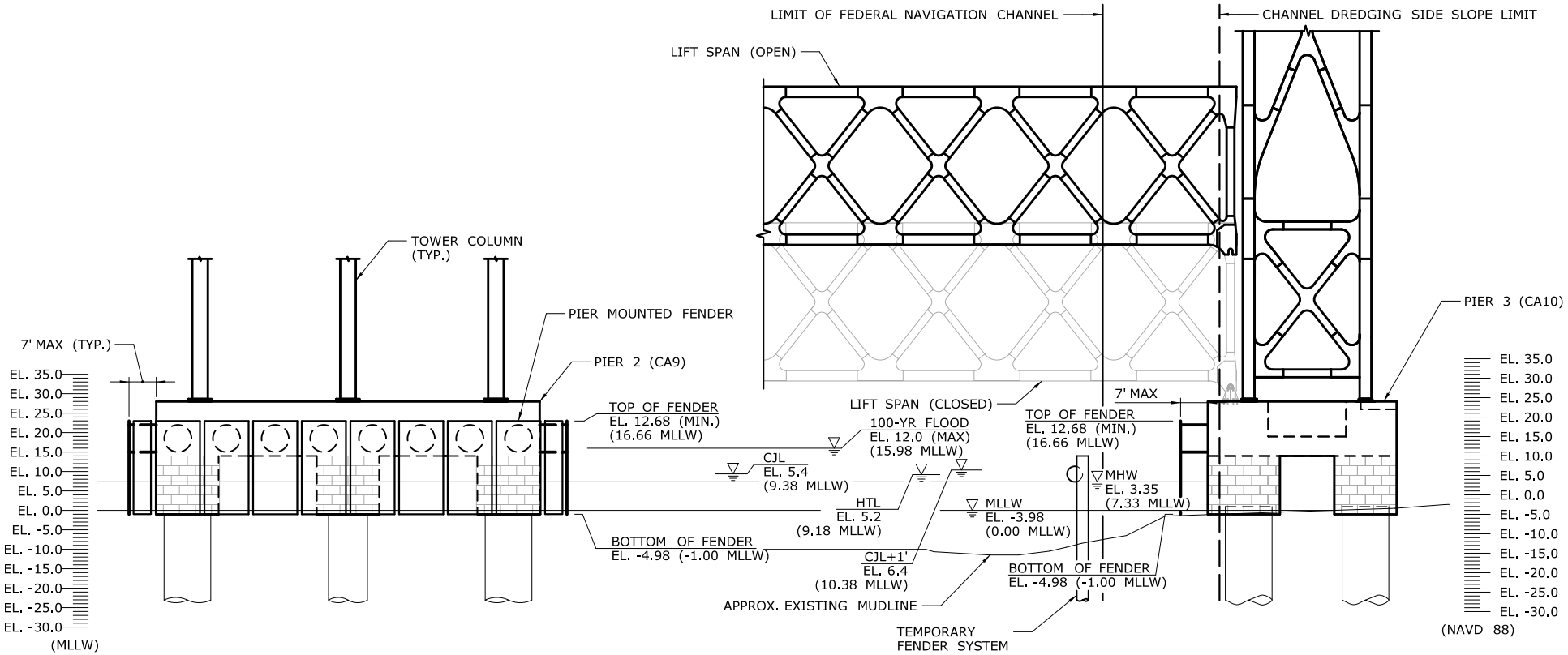
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 15 FENDER INSTALLATION (SHEET 3 OF 5)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA15-3**



SECTION B CA15-3

SECTION A CA15-1

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. THE 100-YEAR FLOOD ELEVATION VARIES THROUGHOUT THE SITE. WITHIN THE RIVER, IT IS DEFINED AS EL. 12 (15.98 MLLW) AND EL. 10 (13.98 MLLW) DOWNSTREAM AND UPSTREAM OF THE BRIDGE, RESPECTIVELY. SEE FLOOD ZONE MAP (DWG. GEN-6) FOR ADDITIONAL INFORMATION.
3. LIFT SPANS WILL BE RAISED AS NEEDED TO INSTALL THE PIER MOUNTED FENDER SYSTEM.
4. NAVIGATION LIGHTS WILL BE USED TO DEFINE THE LIMITS OF THE FEDERAL NAVIGATION CHANNEL.
5. LIMITS OF TEMPORARY FENDER SYSTEM AND TEMPORARY AIDS TO NAVIGATION (E.G. LIGHTS) WILL BE COORDINATED WITH THE USCG.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE IN FEET 0 20 40 SCALE 1"=40'

DRAWN: T. ADINOLFI

CHECKED: V. ROBBINS

APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

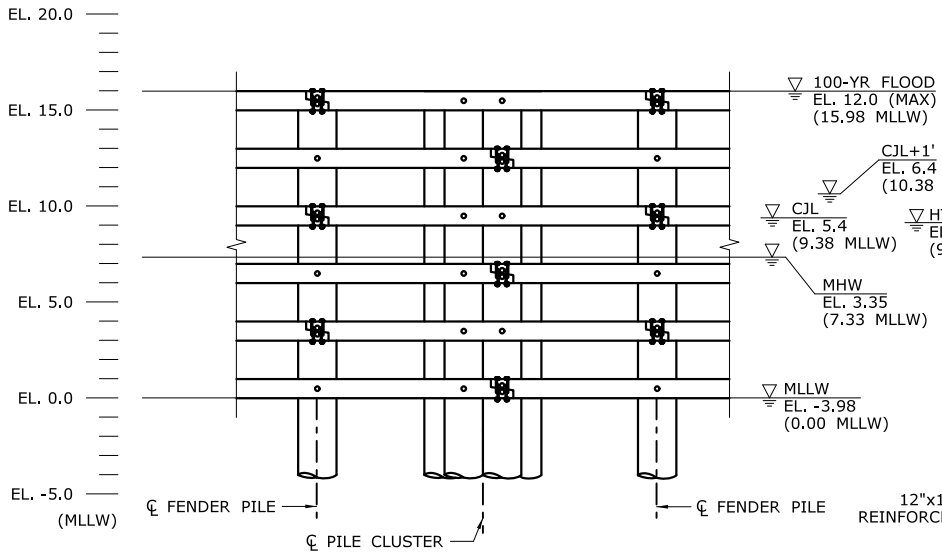
TOWN: **NORWALK**

PROJECT NO.: **0301-0176**

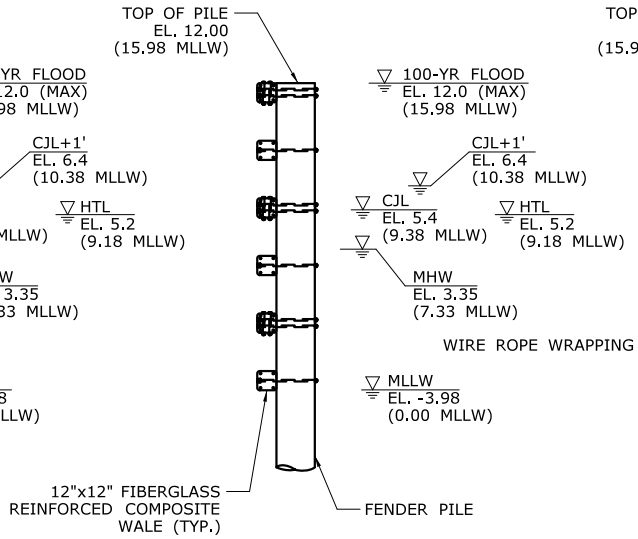
DRAWING TITLE: **ACTIVITY 15 FENDER INSTALLATION (SHEET 4 OF 5)**

DATE: **REV 7-31-20**

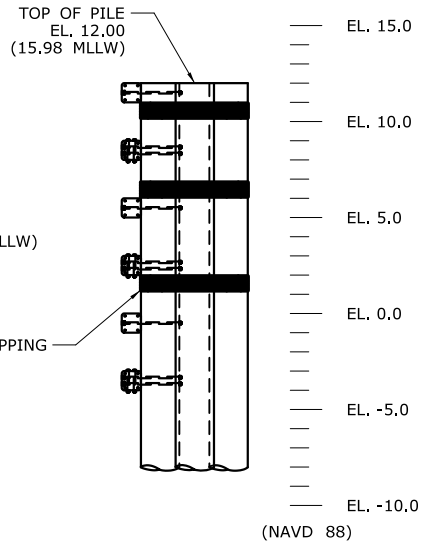
DRAWING NO.: **CA15-4**



TYPICAL INDEPENDENT FENDER SYSTEM ELEVATION



TYPICAL SECTION



TYPICAL PILE CLUSTER ELEVATION

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. THE 100-YEAR FLOOD ELEVATION VARIES THROUGHOUT THE SITE. WITHIN THE RIVER, IT IS DEFINED AS EL. 12 (15.98 MLLW) AND EL. 10 (13.98 MLLW) DOWNSTREAM AND UPSTREAM OF THE BRIDGE, RESPECTIVELY. SEE FLOOD ZONE MAP (DWG. GEN-6) FOR ADDITIONAL INFORMATION.
3. FENDER PILES ARE ANTICIPATED TO BE 36" (MAX.) DIAMETER PIPE PILES.
4. NAVIGATION LIGHTS WILL BE USED TO DEFINE THE LIMITS OF THE FEDERAL NAVIGATION CHANNEL.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 5 10
SCALE 1"=10'

DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 15 FENDER INSTALLATION (SHEET 5 OF 5)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA15-5**

ACTIVITY 16 - WETLAND MITIGATION
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE
MIT-001	**DRAWING INDEX**
MIT-002	**MITIGATION INDEX PLAN**
MIT-003	**MITIGATION AREA 1 PHRAGMITES TREATMENT**
MIT-004	**MITIGATION AREA 2 GRADING PLAN**
MIT-005	**MITIGATION AREA 2 GRADING SECTIONS 1**
MIT-006	**MITIGATION AREA 2 GRADING SECTIONS 2**
MIT-007	**MITIGATION AREA 2 PLANTING PLAN**
MIT-008	**MITIGATION AREA 2 PLANTING SECTIONS 1**
MIT-009	**MITIGATION AREA 2 PLANTING SECTIONS 2**
MIT-010	**MITIGATION AREA 3 PHRAGMITES TREATMENT**
MIT-011	**MITIGATION AREA 4 PHRAGMITES TREATMENT**
MIT-012	**MITIGATION AREA 4 PLANTING PLAN**
MIT-013	**MITIGATION AREA 5 PHRAGMITES TREATMENT**
MIT-014	**MITIGATION AREA 5 PLANTING PLAN**
MIT-015	**MITIGATION AREA 6 GRADING PLAN**
MIT-016	**MITIGATION AREA 6 GRADING SECTIONS 1**
MIT-017	**MITIGATION AREA 6 GRADING SECTIONS 2**
MIT-018	**MITIGATION AREA 6 PLANTING PLAN**
MIT-019	**MITIGATION AREA 6 PLANTING SECTIONS 1**
MIT-020	**MITIGATION AREA 6 PLANTING SECTIONS 2**

DATE: 06/26/2019

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:	DRAWN: V. ROBBINS CHECKED: T. ADINOLFI APPROVED: C. BROWN	SIGNATURE BLOCK:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: **WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5**	TOWN: **NORWALK** DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-001)**	PROJECT NO.: **0301-0176** DATE: **12-5-19** DRAWING NO.: **CA16-1**

CONNECTICUT COORDINATE GRID

DANBURY LINE RAILROAD

MITIGATION AREA 2

MITIGATION AREA 3

COASTAL JURISDICTION LINE

COASTAL JURISDICTION LINE +1

THE MARITIME AQUARIUM AT NORWALK

MIT-004/007

MIT-010

PIERS

EBB

FLOOD

NORWALK RIVER

MITIGATION AREA 1

MIT-003

FENDER SYSTEM

MITIGATION AREA 6B

MITIGATION AREA 6A

WASHINGTON STREET

COASTAL JURISDICTION LINE +1

WALK BRIDGE

MEAN LOWER LOW WATER

MEAN LOW WATER

MEAN HIGH WATER

HIGH TIDE LINE

MIT-013/14

MITIGATION AREA 6

MIT-015/018

VEGETATED TIDAL WETLANDS

MITIGATION AREA 4

MIT-011/12

MITIGATION AREA 5

LEGEND:

- PHRAGMITES TREATMENT
- PHRAGMITES TREATMENT AND MINIMAL SHRUB PLANTING (IF NEEDED)
- PHRAGMITES REMOVAL AND SALT MARSH RESTORATION
- RIPRAP REMOVAL AND SALT MARSH RESTORATION
- VEGETATED TIDAL WETLANDS
- MITIGATION AREA BOUNDARY

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
100 50 0 100
SCALE: 1"=200'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

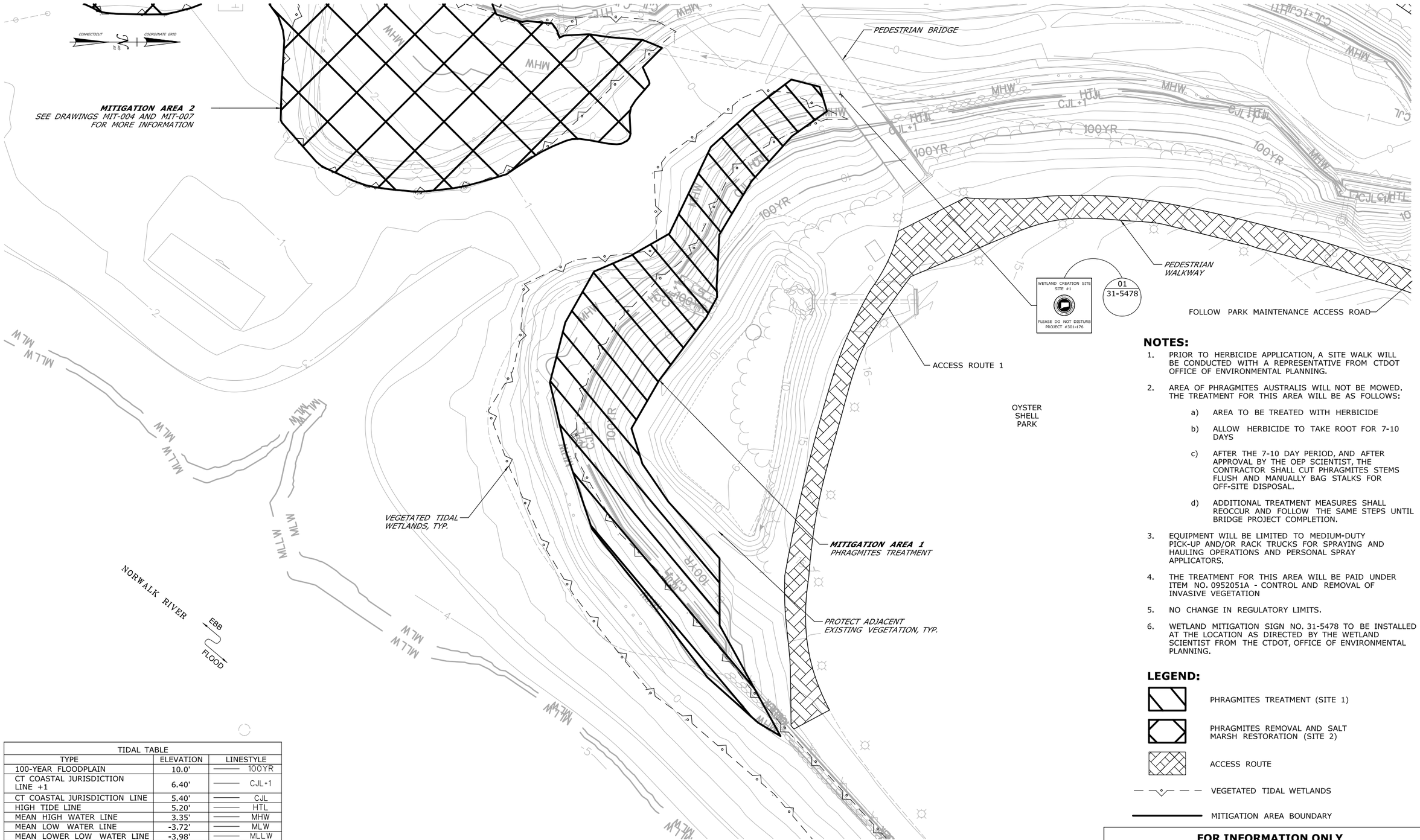
TOWN: **NORWALK**

DRAWING TITLE:
ACTIVITY 16 WETLAND MITIGATION (MIT-002)

PROJECT NO.: **0301-0176**

DATE: **12-5-19**

DRAWING NO.: **CA16-2**



TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	10.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

NOTES:

1. PRIOR TO HERBICIDE APPLICATION, A SITE WALK WILL BE CONDUCTED WITH A REPRESENTATIVE FROM CTDOT OFFICE OF ENVIRONMENTAL PLANNING.
2. AREA OF PHRAGMITES AUSTRALIS WILL NOT BE MOWED. THE TREATMENT FOR THIS AREA WILL BE AS FOLLOWS:
   a) AREA TO BE TREATED WITH HERBICIDE
   b) ALLOW HERBICIDE TO TAKE ROOT FOR 7-10 DAYS
   c) AFTER THE 7-10 DAY PERIOD, AND AFTER APPROVAL BY THE OEP SCIENTIST, THE CONTRACTOR SHALL CUT PHRAGMITES STEMS FLUSH AND MANUALLY BAG STALKS FOR OFF-SITE DISPOSAL.
   d) ADDITIONAL TREATMENT MEASURES SHALL REOCCUR AND FOLLOW THE SAME STEPS UNTIL BRIDGE PROJECT COMPLETION.
3. EQUIPMENT WILL BE LIMITED TO MEDIUM-DUTY PICK-UP AND/OR RACK TRUCKS FOR SPRAYING AND HAULING OPERATIONS AND PERSONAL SPRAY APPLICATORS.
4. THE TREATMENT FOR THIS AREA WILL BE PAID UNDER ITEM NO. 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION
5. NO CHANGE IN REGULATORY LIMITS.
6. WETLAND MITIGATION SIGN NO. 31-5478 TO BE INSTALLED AT THE LOCATION AS DIRECTED BY THE WETLAND SCIENTIST FROM THE CTDOT, OFFICE OF ENVIRONMENTAL PLANNING.

LEGEND:

- PHRAGMITES TREATMENT (SITE 1)
- PHRAGMITES REMOVAL AND SALT MARSH RESTORATION (SITE 2)
- ACCESS ROUTE
- VEGETATED TIDAL WETLANDS
- MITIGATION AREA BOUNDARY

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 20 40
SCALE 1" = 40'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

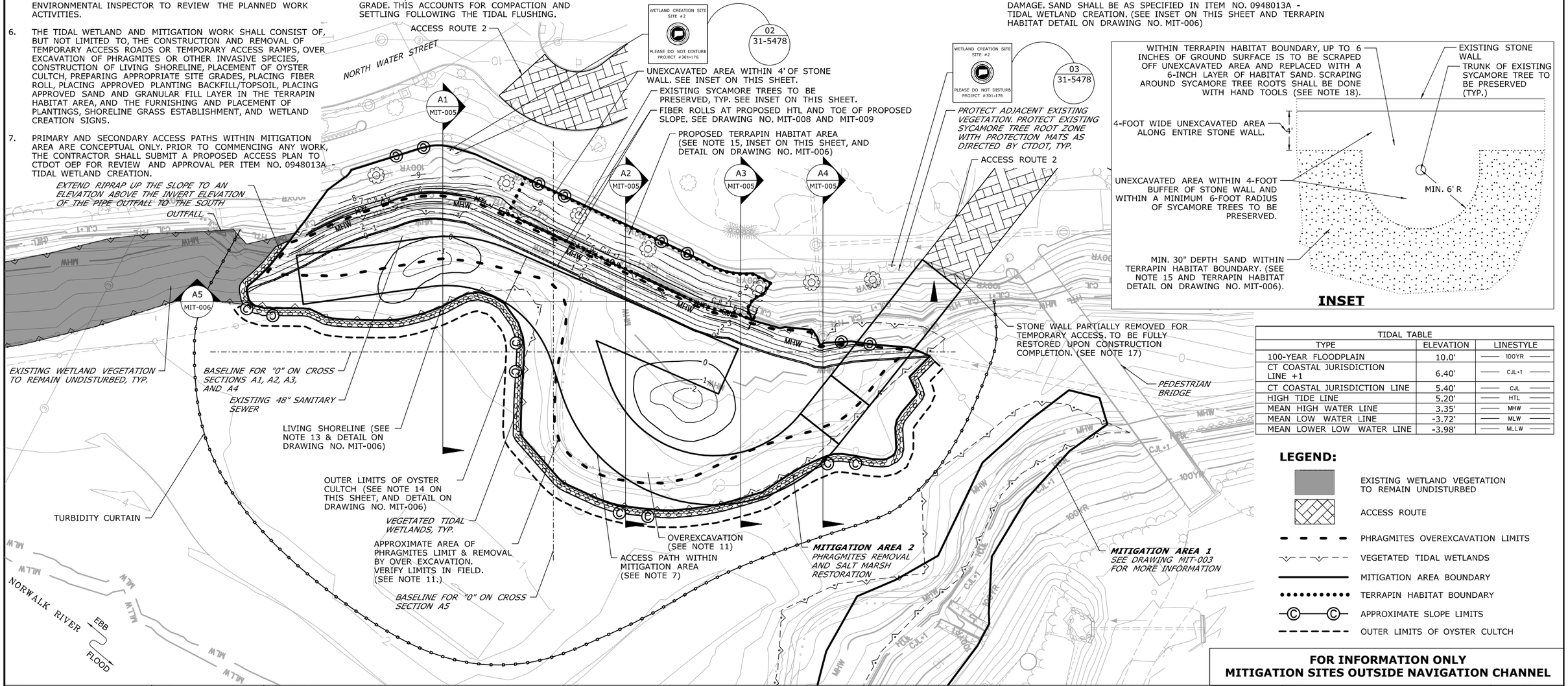
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-003)**
DATE: **12-5-19**
DRAWING NO.: **CA16-3**

NOTES:

1. PRIOR TO COMMENCEMENT OF ANY WORK ASSOCIATED WITH THE MITIGATION AREA, THE CONTRACTOR SHALL SUBMIT TO CTDOT OFFICE OF ENVIRONMENTAL PLANNING (OEP) FOR REVIEW AND APPROVAL, A WORK PLAN THAT INCLUDES A CONSTRUCTION SCHEDULE AND AN OUTLINE OF CONSTRUCTION METHODOLOGIES FOR PERFORMING THE REQUIRED WORK, IN ACCORDANCE WITH ITEM NO. 0948013A - TIDAL WETLAND CREATION, AND IN ACCORDANCE WITH OTHER ITEMS LISTED BELOW.
2. PRIOR TO ANY EARTH WORK, THE SITE WILL BE TREATED FOR INVASIVE SPECIES UNDER ITEM NO. 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION. EXCAVATION SHALL COMMENCE FOLLOWING 10 DAYS OF HERBICIDE SET.
3. EXCAVATION TO PERFORM GRADING TO BE COMPLETED IN ACCORDANCE WITH ITEM NO. 0202000 - EARTH EXCAVATION. THE FORMATION OF SUBGRADE, FINAL GRADE, AND PLACEMENT OF BACKFILL AND SUBSTRATE TO BE COMPLETED IN ACCORDANCE WITH ITEM NO. 0948013A - TIDAL WETLAND CREATION.
4. SEE DRAWING NO. MIT-007 FOR LIMITS OF SHORELINE GRASS ESTABLISHMENT AND PLANTINGS IN TIDAL MITIGATION AREA.
5. A WETLAND SCIENTIST FROM CTDOT, OEP WILL BE ON-SITE TO MONITOR AND DIRECT CONSTRUCTION OF THE TIDAL MITIGATION AREA. AT LEAST 10 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE FOR A MEETING WITH THE OEP WETLAND SCIENTIST OR ENVIRONMENTAL INSPECTOR TO REVIEW THE PLANNED WORK ACTIVITIES.
6. THE TIDAL WETLAND AND MITIGATION WORK SHALL CONSIST OF, BUT NOT LIMITED TO, THE CONSTRUCTION AND REMOVAL OF TEMPORARY ACCESS ROADS OR TEMPORARY ACCESS RAMPS, OVER EXCAVATION OF PHRAGMITES OR OTHER INVASIVE SPECIES, CONSTRUCTION OF LIVING SHORELINE, PLACEMENT OF OYSTER CULTCH, PREPARING APPROPRIATE SITE GRADES, PLACING FIBER ROLL, PLACING APPROVED PLANTING BACKFILL/TOPSOIL, PLACING APPROVED SAND AND GRANULAR FILL LAYER IN THE TERRAPIN HABITAT AREA, AND THE FURNISHING AND PLACEMENT OF PLANTINGS, SHORELINE GRASS ESTABLISHMENT, AND WETLAND CREATION SIGNS.
7. PRIMARY AND SECONDARY ACCESS PATHS WITHIN MITIGATION AREA ARE CONCEPTUAL ONLY. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL SUBMIT A PROPOSED ACCESS PLAN TO CTDOT OEP FOR REVIEW AND APPROVAL PER ITEM NO. 0948013A - TIDAL WETLAND CREATION.
8. ALL EXCAVATED MATERIAL STRIPPED FROM THE TIDAL MITIGATION AREA SHALL NOT BE REUSED BUT SHALL BE REMOVED FROM THE AREA AND PROPERLY DISPOSED OF AT AN APPROVED UPLAND LOCATION.
9. AFTER THE EXCAVATION IS COMPLETED, THE LIVING SHORELINE SHALL BE INSTALLED IN THE LOCATION SHOWN ON THE PLANS. THE TIDAL MITIGATION AREA SHALL BE BACKFILLED TO PROPOSED SUBGRADE WHERE NEEDED. THE FINAL GRADE SHALL CONSIST OF PLANTING/TOPSOIL EXCEPT FOR THE TERRAPIN HABITAT AREA WHICH SHALL CONSIST OF SAND PER CTDOT OEP. COMPACTION SHALL BE PERFORMED ON BACKFILL AND TOPSOIL AS DIRECTED BY THE CTDOT OEP WETLAND SCIENTIST.
10. WETLAND MITIGATION SIGN NO. 31-5478 TO BE INSTALLED AT THE LOCATION AS DIRECTED BY THE WETLAND SCIENTIST FROM THE CTDOT, OEP.
11. OVEREXCAVATION OF PHRAGMITES AREA TO BE A MINIMUM OF 3'-0" BELOW EXISTING GRADE OR TO A LESSER DEPTH AT WHICH THE ENTIRE ROOT/RHIZOME LAYER IS REMOVED, AS DETERMINED BY THE WETLAND SCIENTIST.
12. A 14" DEEP LAYER OF WETLAND PLANTING SOIL/TOPSOIL SHALL BE PLACED ON THE PROPOSED SUBGRADE, WHERE NEEDED TO MEET PROPOSED FINAL GRADE. THIS ACCOUNTS FOR COMPACTION AND SETTLING FOLLOWING THE TIDAL FLUSHING.
12. (CONTINUED):
IN AREAS NOT REQUIRING OVEREXCAVATION, BETWEEN THE WATERWARD PHRAGMITES EDGE AND THE LIVING SHORELINE RIPRAP, PLANTING SOIL/TOPSOIL SHALL BE PLACED ON THE UNEXCAVATED GRADE, WHERE NEEDED TO MEET PROPOSED FINAL GRADE, AND COMPACTED. IF THE EXCAVATION FOR PHRAGMITES REMOVAL, OR OTHER INVASIVE SPECIES REMOVAL MEETS THE PROPOSED FINAL GRADE ON SUITABLE SOIL, NO OVEREXCAVATION FOR TOPSOIL PLACEMENT IS NEEDED.
13. THE LIVING SHORELINE SHALL CONSIST OF 24" TO 30" DIAMETER STANDARD RIPRAP, AS SPECIFIED IN ITEM NO. 0948013A - TIDAL WETLAND CREATION, AND PLACED UNDER THE DIRECTION OF A WETLAND SCIENTIST FROM CTDOT OEP. THE ROCK RIPRAP SHALL BE PLACED IN A CONFIGURATION THAT IS A MINIMUM WIDTH OF 3'-0" AT THE BASE AND SHALL BE EMBEDDED IN EXISTING SOIL, OR IN PLACED TOPSOIL, IN A SHALLOW TRENCH 6" TO 12" MAXIMUM DEPTH, OR PRESSED INTO THE SOIL TO A DEPTH OF 6" TO 12" MAXIMUM, TO PLACE THE TOP OF THE RIPRAP AT THE PROPOSED FINISHED GRADE ELEVATION OR SLIGHTLY ABOVE PROPOSED FINISHED GRADE. ON THE LANDWARD SIDE OF THE RIPRAP, VOIDS SHALL BE FILLED WITH GRANULAR MATERIAL TO PREVENT THE TOPSOIL FROM WASHING THROUGH THE VOIDS. GRANULAR FILL SHALL BE AS SPECIFIED IN ITEM NO. 0948013A - TIDAL WETLAND CREATION.
14. OYSTER CULTCH SHALL BE PLACED ON THE BOTTOM 1/4 OF THE WATERWARD SIDE OF THE LIVING SHORELINE RIPRAP AND A 6" DEEP LAYER SHALL EXTEND OUT 4' TO 5' FROM BASE, ON EXISTING GRADE, AS SPECIFIED IN ITEM NO. 0948013A - TIDAL WETLAND CREATION.
15. THE TERRAPIN HABITAT AREA SHALL CONSIST OF A MINIMUM 30" DEEP LAYER OF SAND ON TOP OF A 6" DEEP LAYER OF GRANULAR FILL ON PROPOSED SUBGRADE AS SPECIFIED IN ITEM NO. 0948013A - TIDAL WETLAND CREATION.
16. EQUIPMENT WILL NOT BE PERMITTED ON FINAL GRADE WITHIN THE MITIGATION AREA.
17. ACCESS TO THE MITIGATION SITE AND ASSOCIATED CONSTRUCTION ACTIVITIES AND STAGING WILL RESULT IN TEMPORARY IMPACTS AND TEMPORARY OCCUPANCY OF THE PARK, WITH POSSIBLE FULL CLOSURE OR PARTIAL CLOSURE. WHEN CONSTRUCTION IS COMPLETE, THE PARK FACILITIES, AMENITIES, AND SURFACE MATERIALS SHALL BE FULLY RESTORED TO ORIGINAL PRE-CONSTRUCTION CONDITIONS. CTDOT HAS CONSULTED WITH THE CITY AND WILL CONTINUE TO COORDINATE TEMPORARY ACCESS AND CONSTRUCTION ACTIVITIES WITH THE CITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
18. WITHIN A 4-FOOT BUFFER FROM THE EAST SIDE OF THE EXISTING STONE WALL AND WITHIN A MINIMUM 6-FOOT RADIUS FROM THE SYCAMORE TREES TO BE PRESERVED, THE AREA SHALL REMAIN UNEXCAVATED AND SELECTIVE CLEARING AND INVASIVE SPECIES CONTROL MEASURES SHALL BE CONDUCTED UNDER THE DIRECTION OF AN OEP ENVIRONMENTAL SCIENTIST. IN THESE UNEXCAVATED AREAS THAT ARE LOCATED WITHIN THE TERRAPIN HABITAT BOUNDARY, UP TO 6 INCHES OF THE GROUND SURFACE SHALL BE SCRAPED OFF AND REPLACED WITH A 6-INCH LAYER OF TURTLE NESTING BEACH SAND. SCRAPING AROUND SYCAMORE TREE ROOTS THAT ARE TO BE PRESERVED SHALL BE DONE WITH HAND TOOLS TO AVOID ROOT DAMAGE. SAND SHALL BE AS SPECIFIED IN ITEM NO. 0948013A - TIDAL WETLAND CREATION. (SEE INSET ON THIS SHEET AND TERRAPIN HABITAT DETAIL ON DRAWING NO. MIT-006)



INSET

TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	10.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

LEGEND:

- EXISTING WETLAND VEGETATION TO REMAIN UNDISTURBED
- ACCESS ROUTE
- PHRAGMITES OVEREXCAVATION LIMITS
- VEGETATED TIDAL WETLANDS
- MITIGATION AREA BOUNDARY
- TERRAPIN HABITAT BOUNDARY
- APPROXIMATE SLOPE LIMITS
- OUTER LIMITS OF OYSTER CULTCH

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE: SCALE IN FEET 0 20 40 — SCALE 1" = 40'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-004)**
DATE: **12-5-19**
DRAWING NO.: **CA16-4**

NOTES:

1. SEE SECTIONS FOR TOPSOIL DEPTHS.

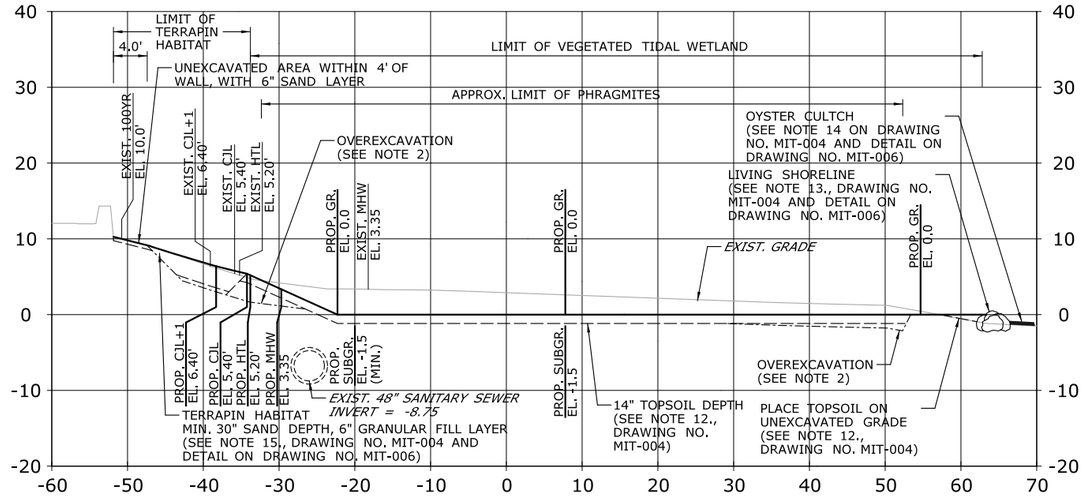
2. OVEREXCAVATION TO BE SEQUENCED AS FOLLOWS:

   i. EXCAVATE PHRAGMITES AREA TO A MINIMUM OF 3'-0" BELOW EXISTING GRADE OR TO A LESSER DEPTH AT WHICH THE ENTIRE ROOT/ RHIZOME LAYER IS REMOVED, AS DETERMINED BY THE OEP WETLAND SCIENTIST.

   ii. GRADE MITIGATION AREA 2 TO MATCH PROPOSED GRADE.

LEGEND:

CJL+1 = CT COASTAL JURISDICTION LINE +1
CJL = CT COASTAL JURISDICTION LINE
HTL = HIGH TIDE LINE
MHW = MEAN HIGH WATER LINE
EL = ELEVATION
EXIST. = EXISTING
PROP. = PROPOSED
YR = YEAR
GR. = GRADE
SUBGR. = SUBGRADE
MIN. = MINIMUM
MAX. = MAXIMUM



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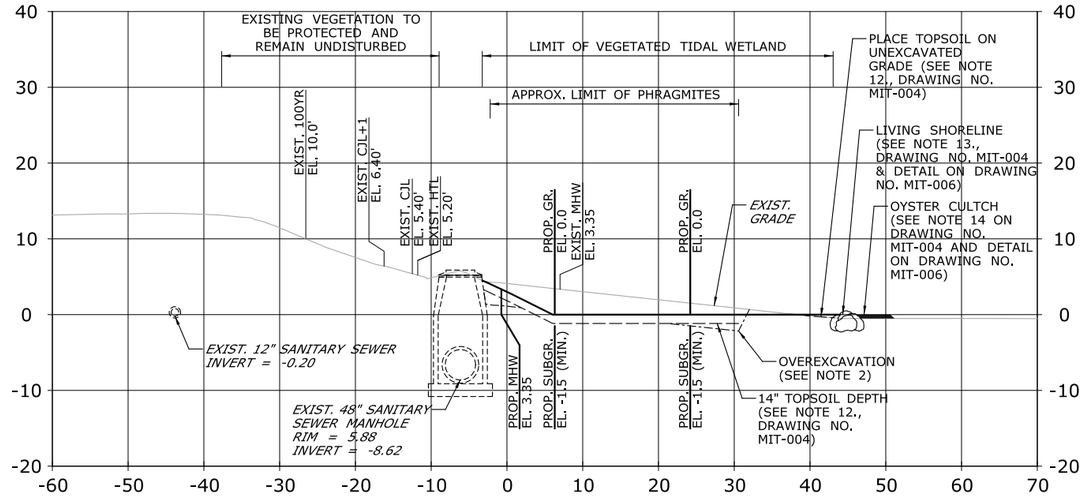
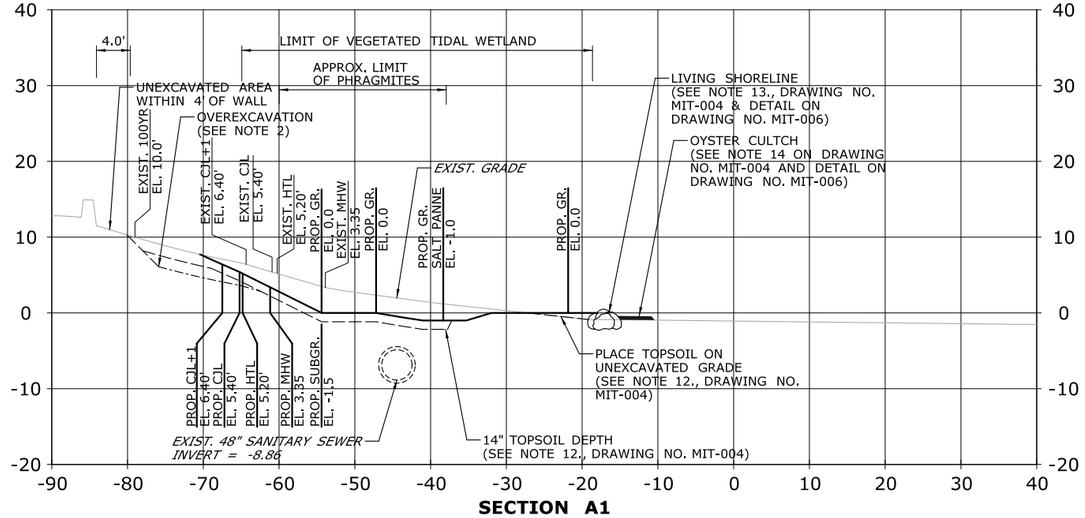
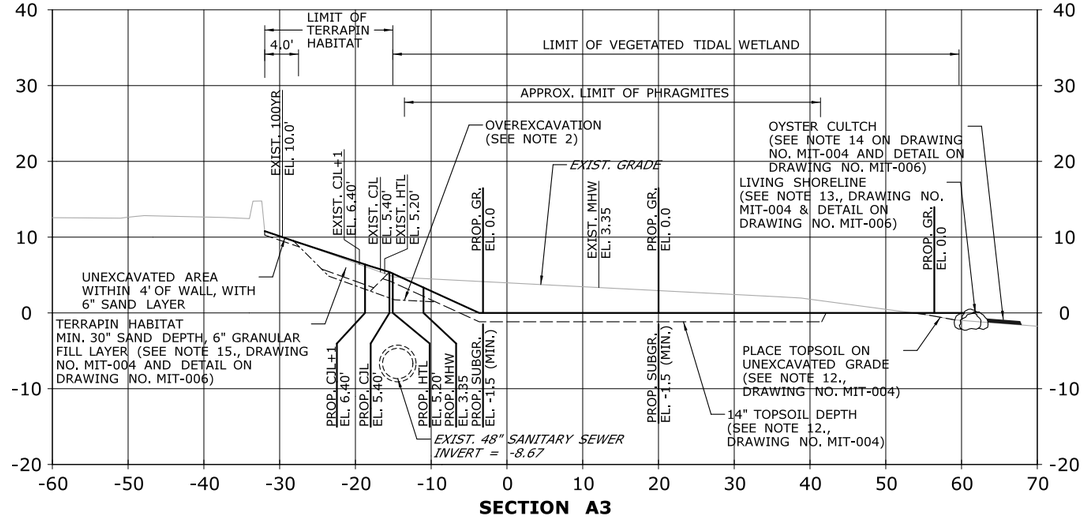


SECTION A4



SECTION A1



SECTION A3

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE: SCALE IN FEET (0, 10, 20) SCALE 1" = 20'	DRAWN: V. ROBBINS CHECKED: T. ADINOLFI APPROVED: C. BROWN	SIGNATURE BLOCK:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5	TOWN: NORWALK DRAWING TITLE: ACTIVITY 16 WETLAND MITIGATION (MIT-005)	PROJECT NO.: 0301-0176 DATE: 12-5-19 DRAWING NO.: CA16-5

NOTES:

1. SEE SECTIONS FOR TOPSOIL DEPTHS.

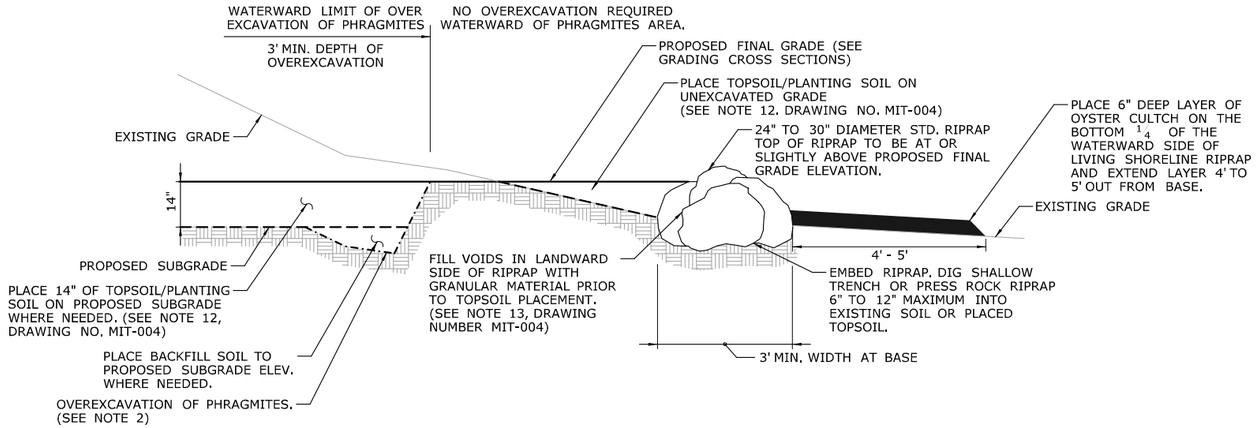
2. OVEREXCAVATION TO BE SEQUENCED AS FOLLOWS:

   i. EXCAVATE PHRAGMITES AREA TO A MINIMUM OF 3'-0" BELOW EXISTING GRADE OR TO A LESSER DEPTH AT WHICH THE ENTIRE ROOT/RHIZOME LAYER IS REMOVED, AS DETERMINED BY THE OEP WETLAND SCIENTIST.

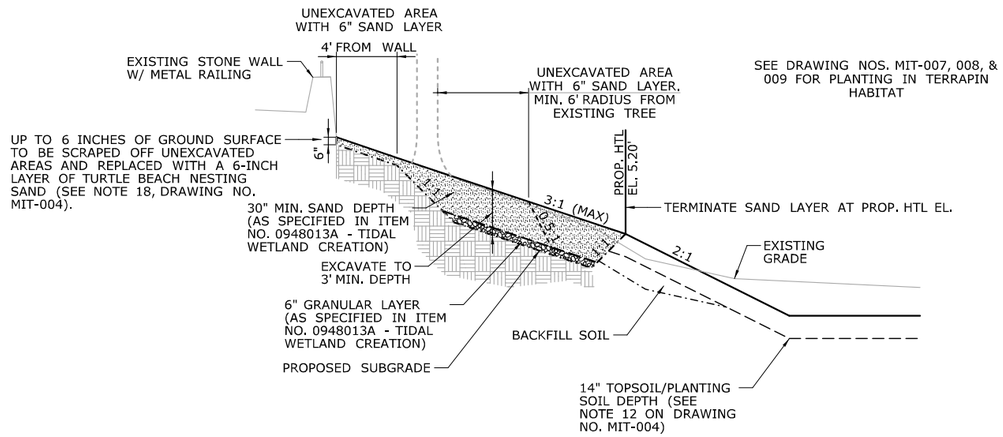
   ii. GRADE MITIGATION AREA 2 TO MATCH PROPOSED GRADE.

LEGEND:

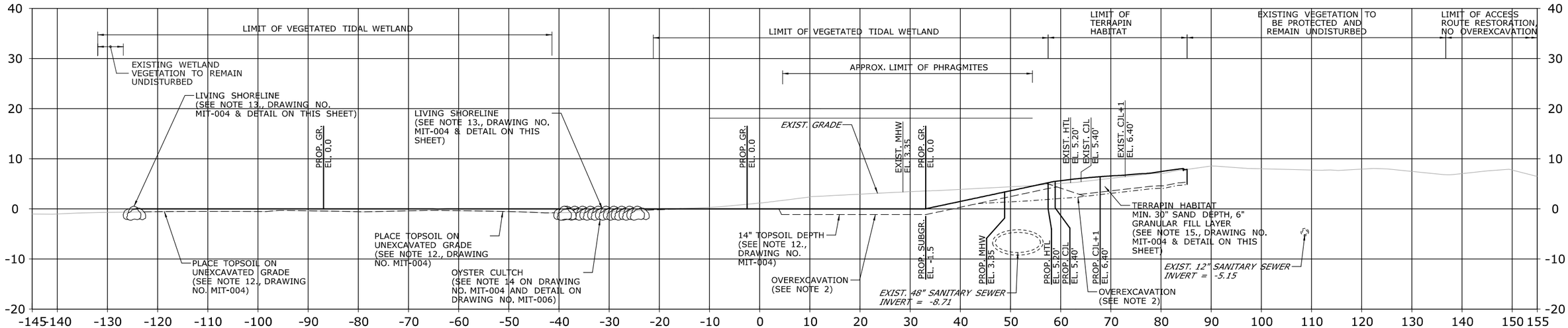
CJL+1 = CT COASTAL JURISDICTION LINE +1
CJL = CT COASTAL JURISDICTION LINE
HTL = HIGH TIDE LINE
MHW = MEAN HIGH WATER LINE
EL = ELEVATION
EXIST. = EXISTING
PROP. = PROPOSED
YR = YEAR
GR. = GRADE
SUBGR. = SUBGRADE
MIN. = MINIMUM
MAX. = MAXIMUM



LIVING SHORELINE DETAIL



TERRAPIN HABITAT DETAIL



SECTION A5

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE: SCALE IN FEET 0 10 20 SCALE 1" = 20'	DRAWN: V. ROBBINS CHECKED: T. ADINOLFI APPROVED: C. BROWN	SIGNATURE BLOCK:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5	TOWN: NORWALK DRAWING TITLE: ACTIVITY 16 WETLAND MITIGATION (MIT-006)	PROJECT NO.: 0301-0176 DATE: 12-5-19 DRAWING NO.: CA16-6

NOTES:

1. SLOPE SEEDING AREA MIX BASED ON ITEM NO. 0950202A - SHORELINE GRASS ESTABLISHMENT.

2. BEFORE ANY WORK IS TO PROCEED IN THE WETLAND MITIGATION AREAS THE CONTRACTOR SHALL ARRANGE THROUGH THE ENGINEER FOR A MEETING WITH AN ENVIRONMENTAL INSPECTOR FROM THE CONNDOT OFFICE OF ENVIRONMENTAL PLANNING (CTDOT OEP). THIS MEETING WILL BE SCHEDULED AT LEAST 10 DAYS PRIOR TO COMMENCEMENT OF WORK ACTIVITY DESCRIBED IN THE SPECIAL PROVISION "TIDAL WETLAND CREATION".

3. REFER TO THE WETLAND MITIGATION AREA PLANS, DRAWING NO. MIT-004 FOR PROPOSED GRADING IN THE WETLAND CREATION SITE.

4. AFTER COMPLETION OF FINAL GRADE, A 7-14 DAY TIDAL FLOW CYCLE SHALL OCCUR PRIOR TO PLANTING. PLANTING IN THE WETLAND CREATION SITES SHALL BE DONE BETWEEN APRIL 15 AND OCTOBER 15.

5. SEEDING FOR SHORELINE GRASS ESTABLISHMENT SHALL COMMENCE UPON COMPLETION OF GRADING AND PLACEMENT OF PLANTING SUBSTRATE/TOPSOIL, AND AFTER INITIAL INSTALLATION OF ALL PLANTS. THE GRADING AND SEEDING MUST BE PERFORMED WITHIN THE SAME CONSTRUCTION SEASON WITH NO SCHEDULED INACTIVE PERIOD OF MORE THAN 10 WORKDAYS. SEED SHALL BE APPLIED BY BROADCAST SPREADING.

6. AN ENVIRONMENTAL INSPECTOR FROM THE CTDOT OEP SHALL INSPECT THE WETLAND CREATION SITES PRIOR TO PLANTING TO DETERMINE THE SITES ARE SUITABLE FOR PLANTING. THE ENVIRONMENTAL INSPECTOR MAY MODIFY THE PLANT LAYOUT FROM THE PLANTING PLAN IF AS-BUILT CONDITIONS POSE A THREAT TO THE SURVIVAL OF PLANTINGS.

7. AUGER OR DIG TO MAKE PLANTING HOLES FOR SHRUBS, AND TRANSPLANT. DO NOT REMOVE PLANTS FROM CONTAINERS UNTIL IMMEDIATELY BEFORE PLANTING. SEPARATE ANY POT-BOUND OR CRAMPED ROOTS AND SPREAD THEM WHEN PLACING THE PLANTS. MACHINERY WILL NOT BE ALLOWED WITHIN THE MITIGATION SITE AT ANY TIME FOR PLANTING.

8. PAYMENT FOR THE WORK OF CONSTRUCTING WETLAND MITIGATION AREAS WILL BE MADE UNDER THE FOLLOWING ITEMS:

   DISPOSAL OF DEBRIS WILL BE PAID UNDER ITEM #0101135A - DISPOSAL OF DEBRIS.

   EXCAVATION TO PERFORM GRADING WILL BE PAID UNDER ITEM #0202000 - EARTH EXCAVATION.

   FURNISHING, PLACING, MAINTAINING AND REMOVING SEDIMENTATION CONTROL SYSTEMS WILL BE PAID UNDER ITEM #0219001 - SEDIMENTATION CONTROL SYSTEM.

   REMOVAL OF INVASIVE PLANT SPECIES WILL BE PAID UNDER #0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION.

8. (CONTINUED):

   FORMATION OF SUBGRADE IN WETLAND CREATION SITES AND TERRAPIN HABITAT AREA, PROVIDING AND PLACING PLANTING SUBSTRATE/TOPSOIL, PROVIDING AND PLACING SAND AND GRANULAR FILL IN THE TERRAPIN HABITAT AREA, FURNISHING AND PLACING RIPRAP AND GRANULAR FILL FOR THE LIVING SHORELINE, PLACEMENT OF OYSTER CULTCH AND FINISH GRADING WILL BE PAID UNDER ITEM #0948013A - TIDAL WETLAND CREATION.

   FURNISHING, PLACING AND ESTABLISHING SHORELINE GRASS WILL BE PAID UNDER ITEM #0950202A - SHORELINE GRASS ESTABLISHMENT.

   FURNISHING AND PLACING SHRUBS AND HERBACEOUS PLANTINGS IN THE WETLAND MITIGATION AREAS WILL BE PAID UNDER ITEM #0949875A - WETLAND PLANTINGS. REPLACEMENT OF PLANTINGS IN MITIGATION AREA 2 SHALL BE INCLUDED IN THIS ITEM.

   FIBER ROLL SHALL BE PAID FOR UNDER ITEM #0949315A - FIBER ROLL.

   THE COST OF INSTALLING WETLAND CREATION SIGNS (31-5478) WILL BE PAID FOR UNDER ITEM #1208932A - SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING).

CONNECTICUT — COORDINATE GRID

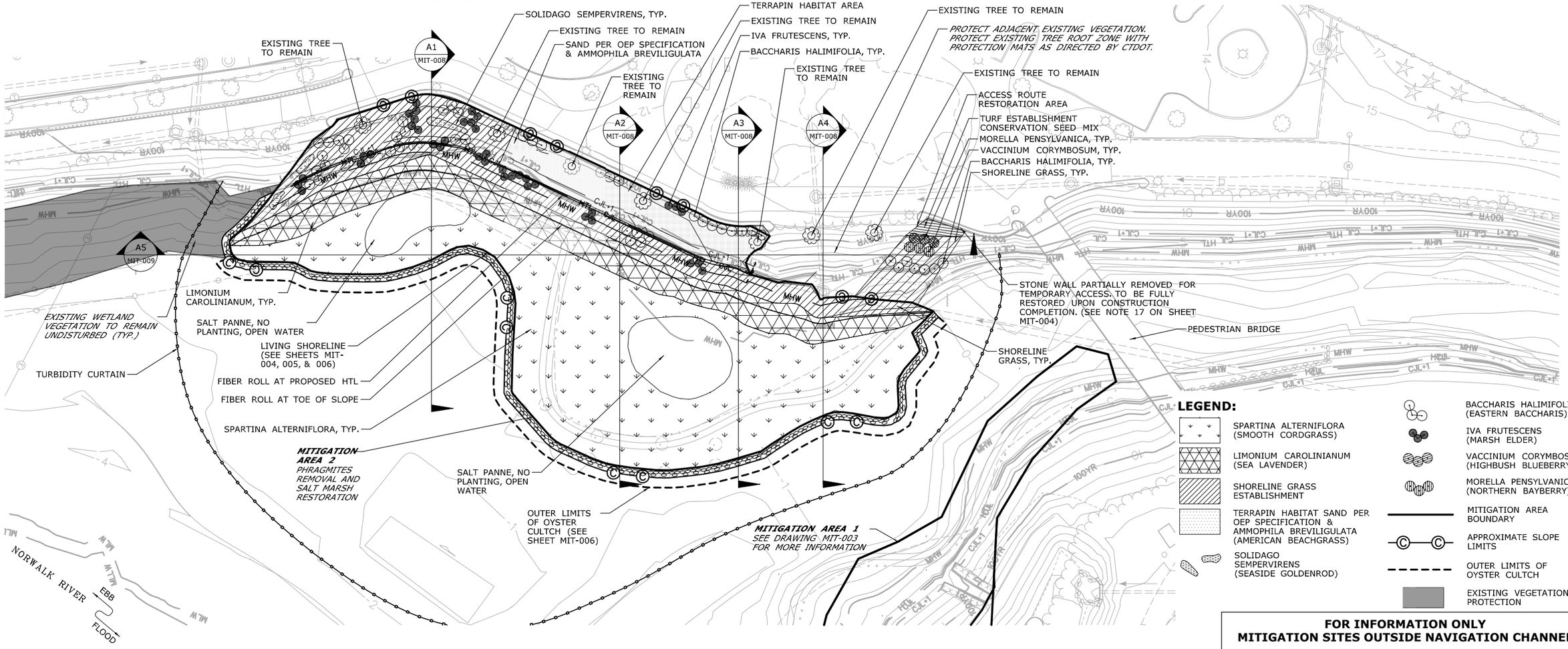
PLANTING SCHEDULE

CODE	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	NOTES
SA	4,666	SPARTINA ALTERNIFLORA	SMOOTH CORDGRASS	PLUG	18" O.C.	
LC	1,600	LIMONIUM CAROLINIANUM	SEA LAVENDER	PLUG	18" O.C.	
BH	47	BACCHARIS HALIMIFOLIA	EASTERN BACCHARIS	2 GAL.	48" O.C.	
IF	39	IVA FRUTESCENS	MARSH ELDER	2 GAL.	36" O.C.	
SS	95	SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	1 GAL.	12" O.C.	
AB	920	AMMOPHILA BREVILIGULATA	AMERICAN BEACHGRASS	PLUG	18" O.C.	
MP	3	MORELLA PENSYLVANICA	NORTHERN BAYBERRY	2 GAL.	48" O.C.	2 FEMALE PLANTS NEAR PATH, 1 MALE PLANT BEHIND
VC	3	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	2 GAL.	48" O.C.	

NOTES: GAL. = GALLON; O.C. = ON CENTER

TIDAL TABLE

TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	10.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW



FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

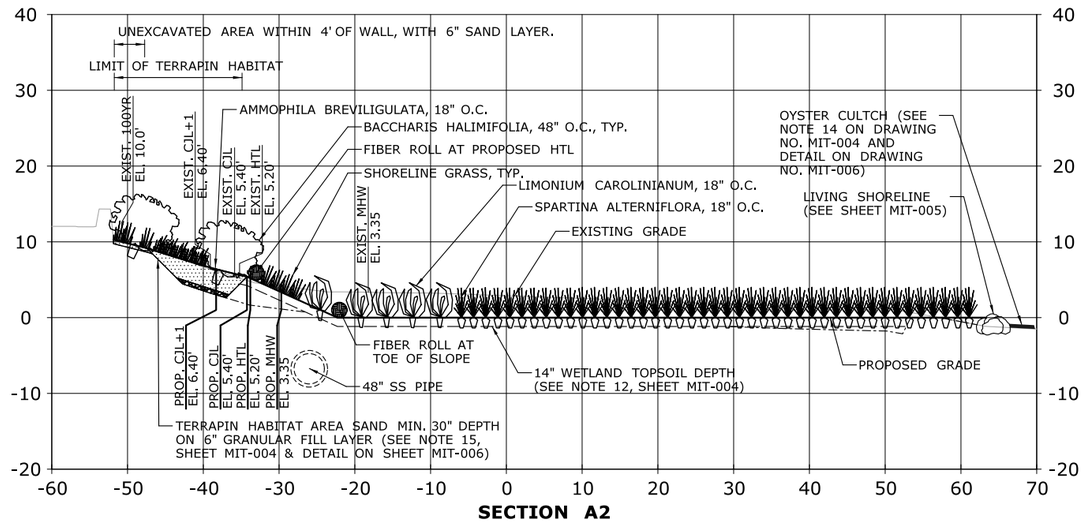
SCALE: SCALE IN FEET 0 20 40 SCALE 1" = 40'	DRAWN: V. ROBBINS CHECKED: T. ADINOLFI APPROVED: C. BROWN	SIGNATURE BLOCK:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5	TOWN: NORWALK DRAWING TITLE: ACTIVITY 16 WETLAND MITIGATION (MIT-007)	PROJECT NO.: 0301-0176 DATE: 12-5-19 DRAWING NO.: CA16-7

NOTES:

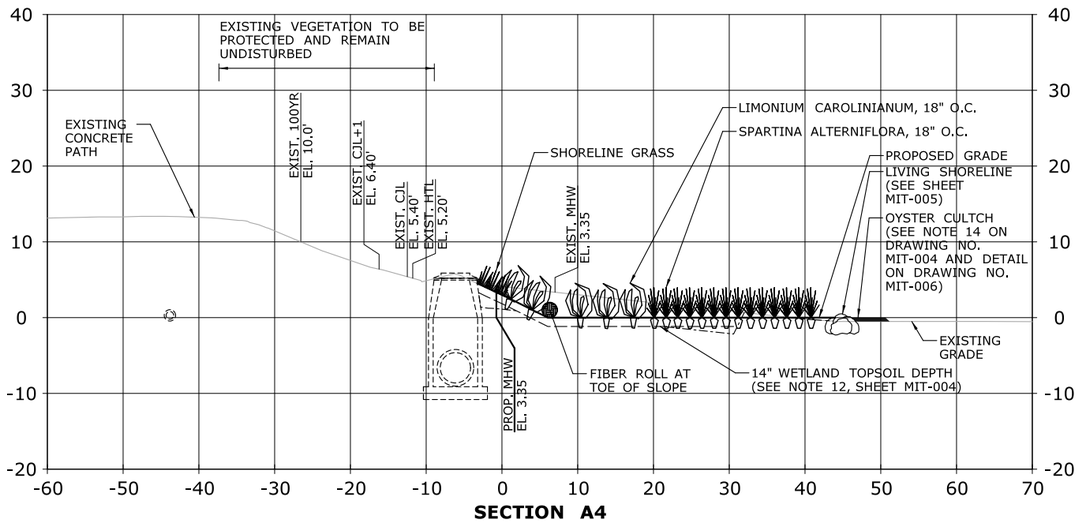
1. SEE MIT-007 MITIGATION AREA 2 PLANTING PLAN FOR LAYOUT OF IVA FRUTESCENS, BACCHARIS HALIMIFOLIA, SPARTINA ALTERNIFLORA, LIMONIUM CAROLINIANUM AND SOLIDAGO SEMPERVIRENS.
2. SEE GRADING DRAWING (MIT-004) AND SECTIONS (MIT-005 & 006) FOR OVEREXCAVATION DEPTHS AND LIMITS.
3. SEE GRADING DRAWING (MIT-004) FOR SECTION BASELINE.

LEGEND:

CJL+1= CT COASTAL JURISDICTION LINE +1
CJL = CT COSTAL JURISDICTION LINE
HTL = HIGH TIDE LINE
MHW = MEAN HIGH WATER LINE
EL = ELEVATION
O.C. = ON CENTER
YR = YEAR



SECTION A2



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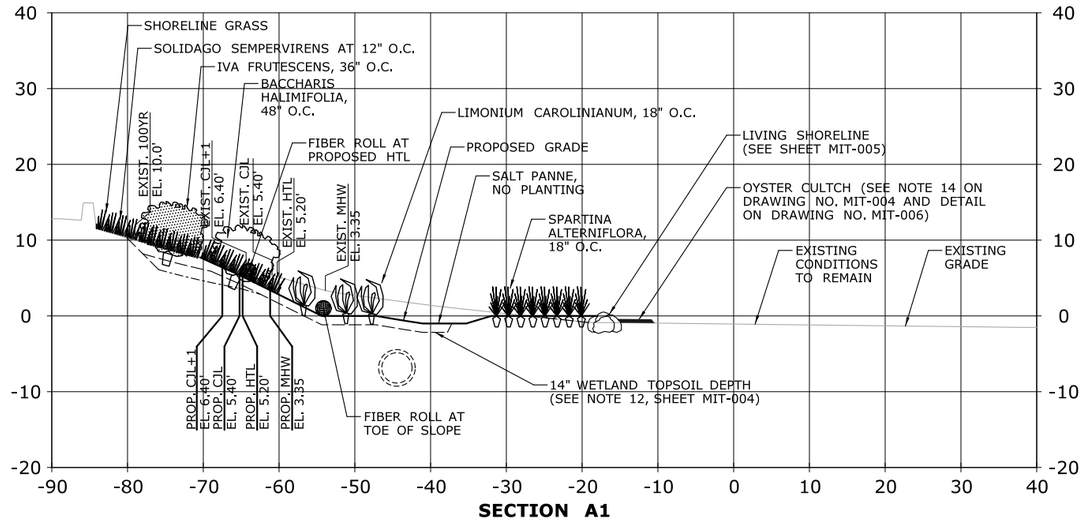
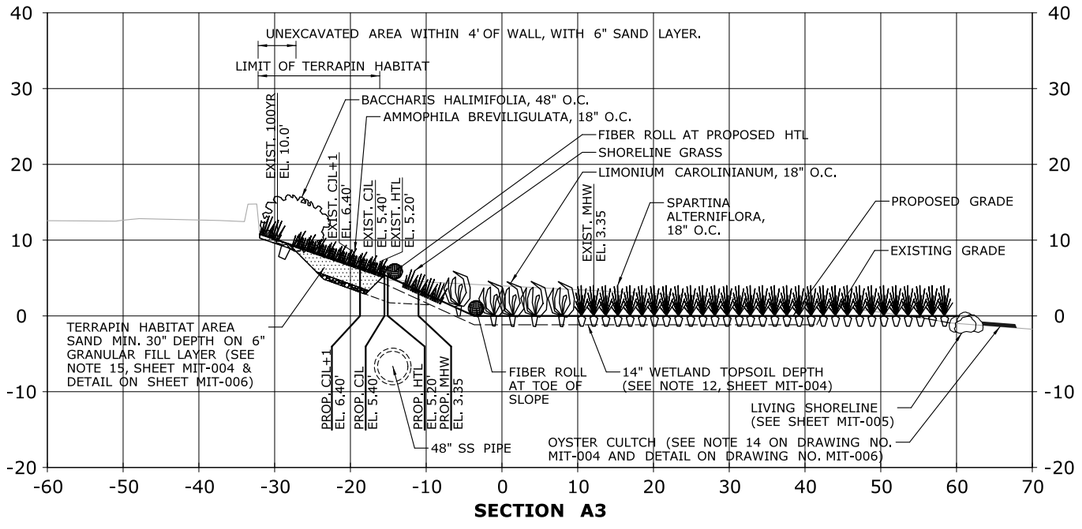


SECTION A1



SECTION A3

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 10 20
SCALE 1" = 20'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

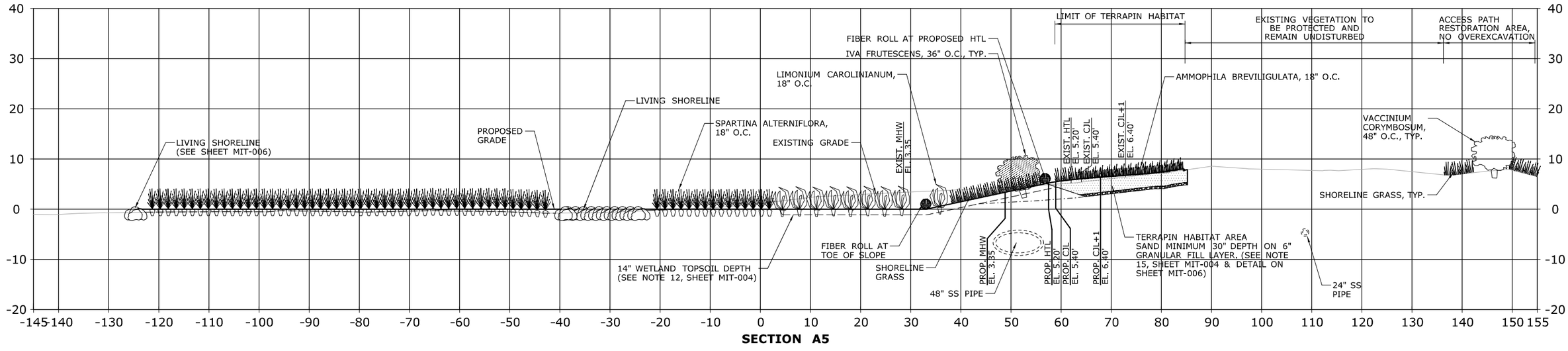
TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-008)**
DATE: **12-5-19**
DRAWING NO.: **CA16-8**

NOTES:

1. SEE MIT-007 MITIGATION AREA 2 PLANTING PLAN FOR LAYOUT OF IVA FRUTESCENS, BACCHARIS HALIMIFOLIA, MORELLA PENSYLVANICA, SPARTINA ALTERNIFLORA, LIMONIUM CAROLINIANUM, VACCINIUM CORYMBOSUM, AND SOLIDAGO SEMPERVIRENS.
2. SEE GRADING DRAWING (MIT-004) AND SECTIONS (MIT-005 & 006) FOR OVEREXCAVATION DEPTHS AND LIMITS.
3. SEE GRADING DRAWING (MIT-004) FOR SECTION BASELINE.

LEGEND:

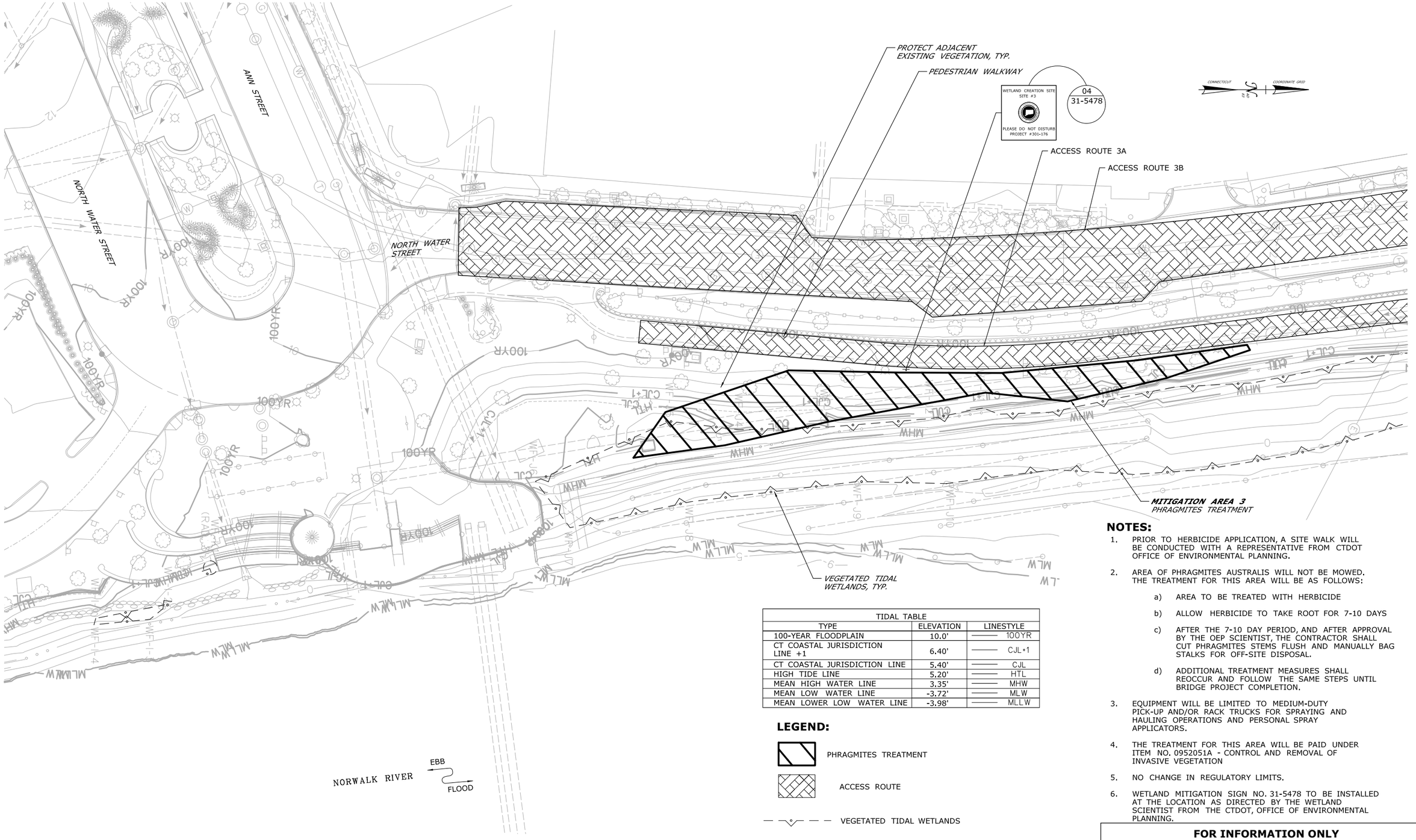
CJL+1= CT COASTAL JURISDICTION LINE +1
CJL = CT COSTAL JURISDICTION LINE
HTL = HIGH TIDE LINE
MHW = MEAN HIGH WATER LINE
EL = ELEVATION
O.C. = ON CENTER
YR = YEAR



SECTION A5

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE: SCALE IN FEET 0 10 20 SCALE 1" = 20'	DRAWN: V. ROBBINS CHECKED: T. ADINOLFI APPROVED: C. BROWN	SIGNATURE BLOCK:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5	TOWN: NORWALK DRAWING TITLE: ACTIVITY 16 WETLAND MITIGATION (MIT-009)	PROJECT NO.: 0301-0176 DATE: 12-5-19 DRAWING NO.: CA16-9



TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	10.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

LEGEND:

- PHRAGMITES TREATMENT
- ACCESS ROUTE
- VEGETATED TIDAL WETLANDS
- MITIGATION AREA BOUNDARY

NOTES:

1. PRIOR TO HERBICIDE APPLICATION, A SITE WALK WILL BE CONDUCTED WITH A REPRESENTATIVE FROM CTDOT OFFICE OF ENVIRONMENTAL PLANNING.
2. AREA OF PHRAGMITES AUSTRALIS WILL NOT BE MOWED. THE TREATMENT FOR THIS AREA WILL BE AS FOLLOWS:
   a) AREA TO BE TREATED WITH HERBICIDE
   b) ALLOW HERBICIDE TO TAKE ROOT FOR 7-10 DAYS
   c) AFTER THE 7-10 DAY PERIOD, AND AFTER APPROVAL BY THE OEP SCIENTIST, THE CONTRACTOR SHALL CUT PHRAGMITES STEMS FLUSH AND MANUALLY BAG STALKS FOR OFF-SITE DISPOSAL.
   d) ADDITIONAL TREATMENT MEASURES SHALL REOCCUR AND FOLLOW THE SAME STEPS UNTIL BRIDGE PROJECT COMPLETION.
3. EQUIPMENT WILL BE LIMITED TO MEDIUM-DUTY PICK-UP AND/OR RACK TRUCKS FOR SPRAYING AND HAULING OPERATIONS AND PERSONAL SPRAY APPLICATORS.
4. THE TREATMENT FOR THIS AREA WILL BE PAID UNDER ITEM NO. 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION
5. NO CHANGE IN REGULATORY LIMITS.
6. WETLAND MITIGATION SIGN NO. 31-5478 TO BE INSTALLED AT THE LOCATION AS DIRECTED BY THE WETLAND SCIENTIST FROM THE CTDOT, OFFICE OF ENVIRONMENTAL PLANNING.

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 20 40
SCALE 1" = 40'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

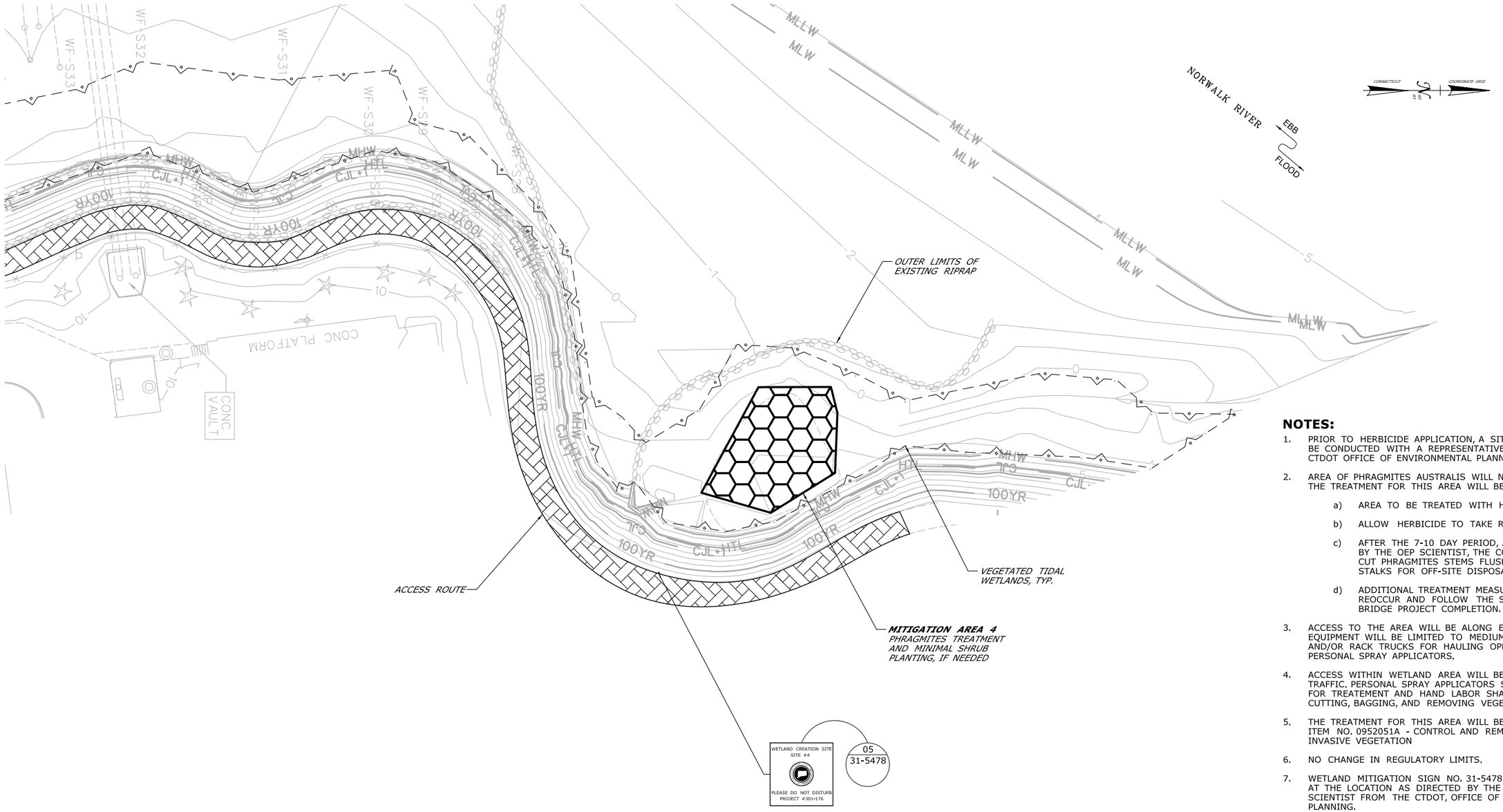
SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-010)**

PROJECT NO.: **0301-0176**
DATE: **12-5-19**
DRAWING NO.: **CA16-10**



TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	10.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

NOTES:

1. PRIOR TO HERBICIDE APPLICATION, A SITE WALK WILL BE CONDUCTED WITH A REPRESENTATIVE FROM CTDOT OFFICE OF ENVIRONMENTAL PLANNING.
2. AREA OF PHRAGMITES AUSTRALIS WILL NOT BE MOWED. THE TREATMENT FOR THIS AREA WILL BE AS FOLLOWS:
   a) AREA TO BE TREATED WITH HERBICIDE
   b) ALLOW HERBICIDE TO TAKE ROOT FOR 7-10 DAYS
   c) AFTER THE 7-10 DAY PERIOD, AND AFTER APPROVAL BY THE OEP SCIENTIST, THE CONTRACTOR SHALL CUT PHRAGMITES STEMS FLUSH AND MANUALLY BAG STALKS FOR OFF-SITE DISPOSAL.
   d) ADDITIONAL TREATMENT MEASURES SHALL REOCCUR AND FOLLOW THE SAME STEPS UNTIL BRIDGE PROJECT COMPLETION.
3. ACCESS TO THE AREA WILL BE ALONG EXISTING TRAIL AND EQUIPMENT WILL BE LIMITED TO MEDIUM-DUTY PICK-UP AND/OR RACK TRUCKS FOR HAULING OPERATIONS AND PERSONAL SPRAY APPLICATORS.
4. ACCESS WITHIN WETLAND AREA WILL BE LIMITED TO FOOT TRAFFIC. PERSONAL SPRAY APPLICATORS SHALL BE USED FOR TREATEMENT AND HAND LABOR SHALL BE USED FOR CUTTING, BAGGING, AND REMOVING VEGETATION.
5. THE TREATMENT FOR THIS AREA WILL BE PAID UNDER ITEM NO. 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION
6. NO CHANGE IN REGULATORY LIMITS.
7. WETLAND MITIGATION SIGN NO. 31-5478 TO BE INSTALLED AT THE LOCATION AS DIRECTED BY THE WETLAND SCIENTIST FROM THE CTDOT, OFFICE OF ENVIRONMENTAL PLANNING.

LEGEND:

VEGETATED TIDAL WETLANDS

MITIGATION AREA BOUNDARY

PHRAGMITES TREATMENT AND MINIMAL SHRUB PLANTING (IF NEEDED)

ACCESS ROUTE

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 20 40
SCALE 1" = 40'

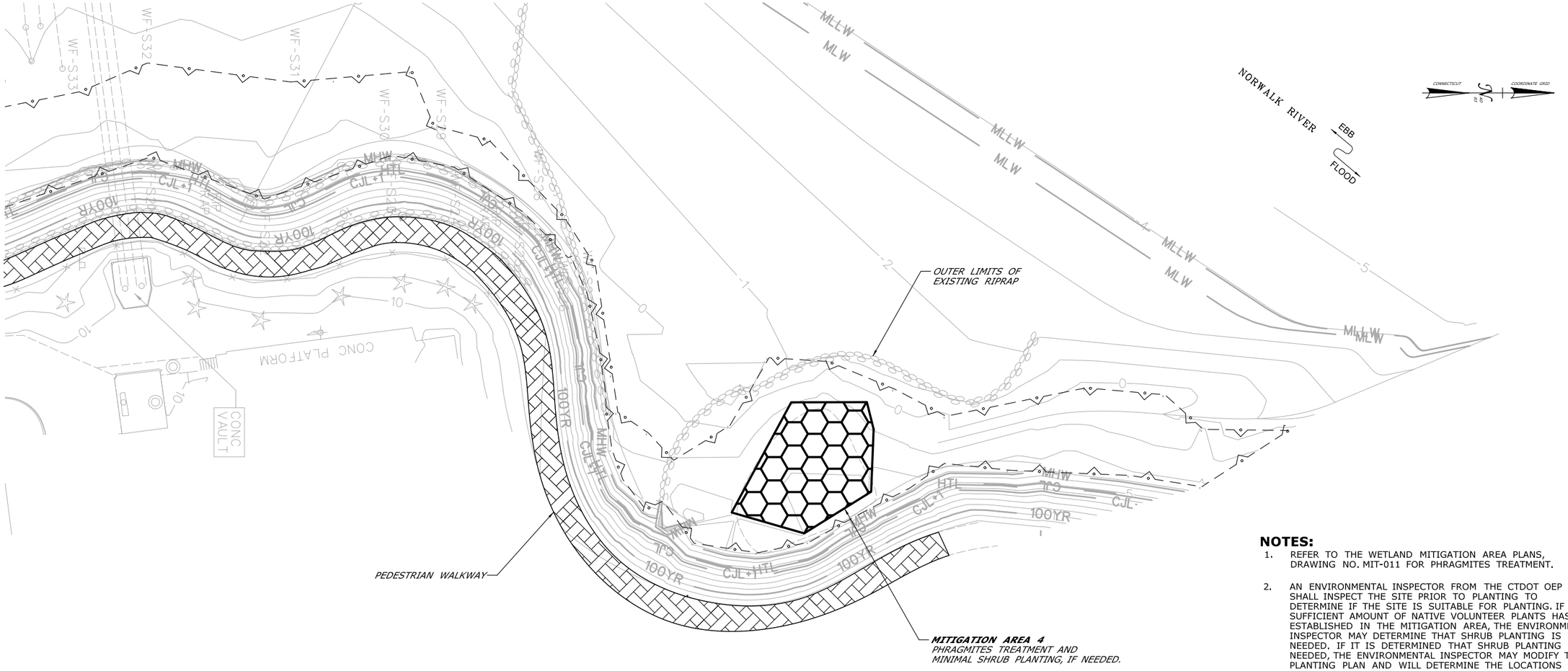
DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-011)**
DATE: **12-5-19**
DRAWING NO.: **CA16-11**



PLANTING SCHEDULE (AS NEEDED SEE NOTE 2)						
CODE	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	NOTES
BH	13	BACCHARIS HALIMIFOLIA	EASTERN BACCHARIS	2 GAL.	36" O.C.	
IF	12	IVA FRUTESCENS	MARSH ELDER	2 GAL.	36" O.C.	

LEGEND:

MITIGATION AREA BOUNDARY

ACCESS ROUTE

SHRUB PLANTING (IF NEEDED)

TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	13.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

NOTES:

1. REFER TO THE WETLAND MITIGATION AREA PLANS, DRAWING NO. MIT-011 FOR PHRAGMITES TREATMENT.

2. AN ENVIRONMENTAL INSPECTOR FROM THE CTDOT OEP SHALL INSPECT THE SITE PRIOR TO PLANTING TO DETERMINE IF THE SITE IS SUITABLE FOR PLANTING. IF A SUFFICIENT AMOUNT OF NATIVE VOLUNTEER PLANTS HAS ESTABLISHED IN THE MITIGATION AREA, THE ENVIRONMENTAL INSPECTOR MAY DETERMINE THAT SHRUB PLANTING IS NOT NEEDED. IF IT IS DETERMINED THAT SHRUB PLANTING IS NEEDED, THE ENVIRONMENTAL INSPECTOR MAY MODIFY THE PLANTING PLAN AND WILL DETERMINE THE LOCATIONS FOR PLANTING.

2A. PLANTING SHALL BE DONE DURING THE FINAL YEAR OF BRIDGE CONSTRUCTION, IF NEEDED.

3. IF SHRUB PLANTING IS NEEDED, AUGER OR DIG TO MAKE PLANTING HOLES FOR SHRUBS, AND TRANSPLANT. DO NOT REMOVE PLANTS FROM CONTAINERS UNTIL IMMEDIATELY BEFORE PLANTING. SEPARATE ANY POT-BOUND OR CRAMPED ROOTS AND SPREAD THEM WHEN PLACING THE PLANTS. MACHINERY WILL NOT BE ALLOWED WITHIN THE MITIGATION SITE AT ANY TIME FOR PLANTING.

4. PAYMENT FOR THE WORK WILL BE MADE UNDER THE FOLLOWING ITEMS:
   DISPOSAL OF DEBRIS WILL BE PAID UNDER ITEM #0101135A - DISPOSAL OF DEBRIS.

   FURNISHING AND PLACING SHRUBS AND HERBACEOUS PLANTINGS IN THE WETLAND MITIGATION AREAS WILL BE PAID UNDER ITEM #0949875A - WETLAND PLANTINGS.

   THE COST OF INSTALLING WETLAND CREATION SIGNS (31-5478) WILL BE PAID FOR UNDER ITEM #1208932A - SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING).

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 20 40
SCALE 1" = 40'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**

DRAWING TITLE:
ACTIVITY 16 WETLAND MITIGATION (MIT-012)

PROJECT NO.: **0301-0176**

DATE: **12-5-19**

DRAWING NO.: **CA16-12**

NORWALK RIVER

EBB

FLOOD

VEGETATED TIDAL WETLANDS, TYP.

MITIGATION AREA 5
PHRAGMITES TREATMENT AND MINIMAL SHRUB PLANTING, IF NEEDED

WETLAND CREATION SITE SITE #5
PLEASE DO NOT DISTURB PROJECT #301-176

06
31-5478

07
31-5478

WETLAND CREATION SITE SITE #5
PLEASE DO NOT DISTURB PROJECT #301-176

CONSTITUTION PARK

PROTECT ADJACENT EXISTING VEGETATION, TYP.

WASHINGTON STREET

ACCESS ROUTE 5

WALK BRIDGE CONSTRUCTION TRESTLE

NEW HAVEN LINE RAILROAD

℄ TRACK 3

℄ TRACK 1

℄ TRACK 2

℄ TRACK 4

CONC BLOCK

100YR

TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	12.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

LEGEND:

- PHRAGMITES TREATMENT AND MINIMAL SHRUB PLANTING (IF NEEDED)
- ACCESS ROUTE
- VEGETATED TIDAL WETLANDS
- MITIGATION AREA BOUNDARY

NOTES:

1. PRIOR TO HERBICIDE APPLICATION, A SITE WALK WILL BE CONDUCTED WITH A REPRESENTATIVE FROM CTDOT OFFICE OF ENVIRONMENTAL PLANNING.
2. AREA OF PHRAGMITES AUSTRALIS WILL NOT BE MOWED. THE TREATMENT FOR THIS AREA WILL BE AS FOLLOWS:
   a) AREA TO BE TREATED WITH HERBICIDE
   b) ALLOW HERBICIDE TO TAKE ROOT FOR 7-10 DAYS
   c) AFTER THE 7-10 DAY PERIOD, AND AFTER APPROVAL BY THE OEP SCIENTIST THE CONTRACTOR SHALL CUT PHRAGMITES STEMS FLUSH AND MANUALLY BAG STALKS FOR OFF-SITE DISPOSAL.
   d) ADDITIONAL TREATMENT MEASURES SHALL REOCCUR AND FOLLOW THE SAME STEPS UNTIL BRIDGE PROJECT COMPLETION.
3. ACCESS TO THE AREA WILL BE ALONG EXISTING TRAIL AND EQUIPMENT WILL BE LIMITED TO MEDIUM-DUTY PICK-UP AND/OR RACK TRUCKS FOR HAULING OPERATIONS AND PERSONAL SPRAY APPLICATORS.
4. ACCESS WITHIN WETLAND AREA WILL BE LIMITED TO FOOT TRAFFIC. PERSONAL SPRAY APPLICATORS SHALL BE USED FOR TREATEMENT AND HAND LABOR SHALL BE USED FOR CUTTING, BAGGING, AND REMOVING VEGETATION.
5. FOOT ACCESS THROUGH CONSTITUTION PARK MAY BE NECESSARY FOR TRANSPORTATION OF DEBRIS AND PLANTINGS.
6. THE TREATMENT FOR THIS AREA WILL BE PAID UNDER ITEM NO. 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION
7. NO CHANGE IN REGULATORY LIMITS.
8. WETLAND MITIGATION SIGN NO. 31-5478 TO BE INSTALLED AT THE LOCATION AS DIRECTED BY THE WETLAND SCIENTIST FROM THE CTDOT, OFFICE OF ENVIRONMENTAL PLANNING.

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 20 40
SCALE 1" = 40'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-013)**

PROJECT NO.: **0301-0176**
DATE: **12-5-19**
DRAWING NO.: **CA16-13**

PLANTING SCHEDULE (AS NEEDED SEE NOTE 2)						
CODE	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	NOTES
BH	25	BACCHARIS HALIMIFOLIA	EASTERN BACCHARIS	2 GAL.	36" O.C.	
IF	25	IVA FRUTESCENS	MARSH ELDER	2 GAL.	36" O.C.	

TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	13.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

LEGEND:

- MITIGATION AREA BOUNDARY
- SHRUB PLANTING (IF NEEDED)
- ACCESS ROUTE

NOTES:

1. REFER TO THE WETLAND MITIGATION AREA PLANS, DRAWING NO. MIT-013 FOR PHRAGMITES TREATMENT.
2. AN ENVIRONMENTAL INSPECTOR FROM THE CTDOT OEP SHALL INSPECT THE SITE PRIOR TO PLANTING TO DETERMINE IF THE SITE IS SUITABLE FOR PLANTING. IF A SUFFICIENT AMOUNT OF NATIVE VOLUNTEER PLANTS HAS ESTABLISHED IN THE MITIGATION AREA, THE ENVIRONMENTAL INSPECTOR MAY DETERMINE THAT SHRUB PLANTING IS NOT NEEDED. IF IT IS DETERMINED THAT SHRUB PLANTING IS NEEDED, THE ENVIRONMENTAL INSPECTOR MAY MODIFY THE PLANTING PLAN AND WILL DETERMINE THE LOCATIONS FOR PLANTING.

2A. PLANTING SHALL BE DONE DURING THE FINAL YEAR OF BRIDGE CONSTRUCTION, IF NEEDED.

3. ACCESS WITHIN WETLAND AREA WILL BE LIMITED TO FOOT TRAFFIC. FOOT ACCESS THROUGH CONSTITUTION PARK MAY BE NECESSARY FOR TRANSPORTATION OF DEBRIS AND PLANTINGS.
4. IF SHRUB PLANTING IS NEEDED, AUGER OR DIG TO MAKE PLANTING HOLES FOR SHRUBS, AND TRANSPLANT. DO NOT REMOVE PLANTS FROM CONTAINERS UNTIL IMMEDIATELY BEFORE PLANTING. SEPARATE ANY POT-BOUND OR CRAMPED ROOTS AND SPREAD THEM WHEN PLACING THE PLANTS. MACHINERY WILL NOT BE ALLOWED WITHIN THE MITIGATION SITE AT ANY TIME FOR PLANTING.
5. PAYMENT FOR THE WORK WILL BE MADE UNDER THE FOLLOWING ITEMS:

   DISPOSAL OF DEBRIS WILL BE PAID UNDER ITEM #0101135A - DISPOSAL OF DEBRIS.

   FURNISHING AND PLACING SHRUBS AND HERBACEOUS PLANTINGS IN THE WETLAND MITIGATION AREAS WILL BE PAID UNDER ITEM #0949875A - WETLAND PLANTINGS.

   THE COST OF INSTALLING WETLAND CREATION SIGNS (31-5478) WILL BE PAID FOR UNDER ITEM #1208932A - SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING).

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 20 40
SCALE 1" = 40'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-014)**
DATE: **12-5-19**
DRAWING NO.: **CA16-14**

NOTES:

1. PRIOR TO COMMENCEMENT OF ANY WORK ASSOCIATED WITH THE MITIGATION AREA, THE CONTRACTOR SHALL SUBMIT TO CTDOT OFFICE OF ENVIRONMENTAL PLANNING (OEP) FOR REVIEW AND APPROVAL, A WORK PLAN THAT INCLUDES A CONSTRUCTION SCHEDULE AND AN OUTLINE OF CONSTRUCTION METHODOLOGIES FOR PERFORMING THE REQUIRED WORK IN ACCORDANCE WITH ITEM NO. 0948013A - TIDAL WETLAND CREATION, AND IN ACCORDANCE WITH OTHER ITEMS LISTED BELOW.

2. PRIOR TO ANY EARTH WORK, THE SITE WILL BE TREATED FOR INVASIVE SPECIES UNDER ITEM NO. 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION. EXCAVATION SHALL COMMENCE FOLLOWING 10 DAYS OF HERBICIDE SET.

3. EXCAVATION TO PERFORM GRADING TO BE COMPLETED IN ACCORDANCE WITH ITEM NO. 0202000 - EARTH EXCAVATION. THE FORMATION OF SUBGRADE, FINAL GRADE, AND PLACEMENT OF BACKFILL AND SUBSTRATE TO BE COMPLETED IN ACCORDANCE WITH ITEM NO. 0948013A - TIDAL WETLAND CREATION.

4. SEE DRAWING NO. MIT-018 FOR LIMITS OF SHORELINE GRASS ESTABLISHMENT AND PLANTINGS IN TIDAL MITIGATION AREA.

5. A WETLAND SCIENTIST FROM CTDOT, OEP WILL BE ON-SITE TO MONITOR AND DIRECT CONSTRUCTION OF THE TIDAL MITIGATION AREA. AT LEAST 10 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE FOR A MEETING WITH THE OEP WETLAND SCIENTIST OR ENVIRONMENTAL INSPECTOR TO REVIEW THE PLANNED WORK ACTIVITIES.

6. THE TIDAL WETLAND AND MITIGATION WORK SHALL CONSIST OF, BUT NOT LIMITED TO, THE CONSTRUCTION AND REMOVAL OF TEMPORARY ACCESS ROADS OR TEMPORARY ACCESS RAMPS, PLACEMENT AND REMOVAL OF RIPRAP, HERBICIDE TREATMENT OF PHRAGMITES OR OTHER INVASIVE SPECIES, OVER EXCAVATION OF RIPRAP AND DEBRIS, PREPARING APPROPRIATE SITE GRADES, CONSTRUCTION OF THE LIVING SHORELINE, PLACEMENT OF OYSTER CULTCH, PLACING FIBER ROLL, PLACING APPROVED PLANTING BACKFILL/TOPSOIL, THE FURNISHING AND PLACEMENT OF PLANTINGS, SHORELINE GRASS ESTABLISHMENT, AND WETLAND CREATION SIGN.

7. PRIMARY AND SECONDARY ACCESS PATHS WITHIN MITIGATION AREA ARE CONCEPTUAL ONLY. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL SUBMIT A PROPOSED ACCESS PLAN TO CTDOT OEP FOR REVIEW AND APPROVAL PER ITEM NO. 0948013A - TIDAL WETLAND CREATION.

8. THE SURFACE LAYER OF EXISTING RIPRAP SHALL BE EXCAVATED AND ROCK THAT IS CLEAN, AND A MINIMUM 90% FREE OF SOIL, SHALL BE REUSED FOR CONSTRUCTION OF THE LIVING SHORELINE, AS DIRECTED BY THE OEP WETLAND SCIENTIST. IF THE AMOUNT OF SUITABLE REUSED ROCK FROM WITHIN THE MITIGATION AREA IS NOT SUFFICIENT TO CONSTRUCT THE LIVING SHORELINE, RIPRAP OF SIMILAR SIZE AS SPECIFIED IN CTDOT FORM 817 SECTION M.12.02 SHALL BE PROVIDED TO COMPLETE THE LIVING SHORELINE WORK.

9. EXISTING RIPRAP REMAINING BELOW THE SURFACE LAYER SHALL BE OVEREXCAVATED TO A SUFFICIENT DEPTH (BETWEEN 1.5' AND 2.75' BELOW EXISTING GRADE) AS DIRECTED BY THE OEP WETLAND SCIENTIST AS FOLLOWS:

i. IF THE LAYERS OF EXISTING RIPRAP CONSIST OF MORE THAN 50% ROCK FROM WITHIN THE OVEREXCAVATED AREA, THE RIPRAP MATERIAL SHALL BE PROPERLY DISPOSED OF AT AN APPROVED UPLAND FACILITY, AS DETERMINED BY THE OEP WETLAND SCIENTIST. BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED WITHIN THE OVEREXCAVATED AREA TO ACHIEVE THE PROPOSED SUBGRADE. THE REMAINING TOPSOIL MATERIAL SHALL BE PLACED AND COMPACTED UP TO THE PROPOSED FINAL GRADE.

ii. IF THE LAYERS OF EXISTING RIPRAP CONSIST OF MORE THAN 50% SOIL FROM WITHIN THE OVEREXCAVATED AREA, THE MATERIAL SHALL REMAIN IN PLACE, AS DETERMINED BY THE OEP WETLAND SCIENTIST. ADDITIONAL COMPACTED BACKFILL MATERIAL MAY BE REQUIRED TO ACHIEVE THE PROPOSED SUBGRADE. THE REMAINING TOPSOIL MATERIAL SHALL BE PLACED AND COMPACTED UP TO THE PROPOSED FINAL GRADE.

10. A 14" DEEP LAYER OF WETLAND PLANTING SOIL/TOPSOIL SHALL BE PLACED ON THE PROPOSED SUBGRADE. THIS ACCOUNTS FOR COMPACTION AND SETTLING FOLLOWING THE TIDAL FLUSHING.

11. WETLAND MITIGATION SIGN NO. 31-5478 TO BE INSTALLED AT THE LOCATION AS DIRECTED BY THE WETLAND SCIENTIST FROM THE CTDOT, OEP

12. EQUIPMENT WILL NOT BE PERMITTED ON COMPACTED PROPOSED FINAL GRADE WITHIN THE MITIGATION AREA.

13. MITIGATION AREA 6A TO BE COMPLETED LAST IN COORDINATION WITH THE REMOVAL OF THE WALK BRIDGE CONSTRUCTION TRESTLE. CONSTRUCTION ACTIVITIES FOR AREA 6A WILL BE PERFORMED FROM THE NE TRESTLE AS IT GETS REMOVED UPON COMPLETION OF BRIDGE CONSTRUCTION. ACCESS TO AREA 6A AFTER THE CONSTRUCTION TRESTLE IS REMOVED WILL BE ALONG THE EXISTING MULTI-USE TRAIL FROM THE CONSTRUCTION STAGING AREA WITHIN CTDOT RIGHT OF WAY ON THE NORTH SIDE OF THE EAST APPROACH TO WALK BRIDGE.

14. A CONTINUOUS 9' MINIMUM WIDTH TO 11.5' WIDTH OF EXISTING RIPRAP IS TO REMAIN AS A SUBSTRATE BASE FOR CONSTRUCTING A LIVING SHORELINE OF REUSED EXCAVATED ROCKS (SEE DETAIL ON DRAWING NO. MIT-017). ANY AREAS OF THE LIVING SHORELINE BASE FOUND TO BE DISCONTINUOUS WILL RECEIVE RIPRAP THAT HAS BEEN REMOVED FROM OTHER PORTIONS OF THE MITIGATION AREA TO FILL GAPS.

15. UNDER THE DIRECTION OF A WETLAND SCIENTIST FROM CTDOT OEP, THE LIVING SHORELINE ROCK SHALL BE PLACED IN A CONFIGURATION THAT IS A MINIMUM WIDTH OF 7' AT THE BASE FOR A 2' HIGH BERM, OR A MINIMUM WIDTH OF 9.5' AT THE BASE FOR A 3' HIGH BERM. THE ROCK SHALL BE PLACED AT A HEIGHT THAT ALLOWS THE TOP OF THE RIPRAP TO BE AT THE PROPOSED FINAL GRADE ELEVATION OR SLIGHTLY ABOVE PROPOSED FINAL GRADE. ON THE LANDWARD SIDE OF THE RIPRAP, VOIDS SHALL BE FILLED WITH GRANULAR MATERIAL TO PREVENT THE TOPSOIL FROM WASHING THROUGH THE VOIDS. GRANULAR FILL SHALL BE AS SPECIFIED IN ITEM NO. 0948013A - TIDAL WETLAND CREATION.

16. OYSTER CULTCH SHALL BE PLACED ON THE BOTTOM ¼ OF THE WATERWARD SIDE OF THE LIVING SHORELINE RIPRAP AND A 6" DEEP LAYER SHALL EXTEND OUT 4' TO 5' FROM BASE, ON EXISTING GRADE, AS SPECIFIED IN ITEM NO. 0948013A - TIDAL WETLAND CREATION.

17. MITIGATION AREA 6B NOTES ARE AS FOLLOWS:

i. PRIOR TO HERBICIDE APPLICATION, A SITE WALK WILL NEED TO BE CONDUCTED WITH A REPRESENTATIVE FROM CTDOT OFFICE OF ENVIRONMENTAL PLANNING.

ii. AREA OF PHRAGMITES AUSTRALIS WILL NOT BE MOWED. THE TREATMENT FOR THIS AREA WILL BE AS FOLLOWS:

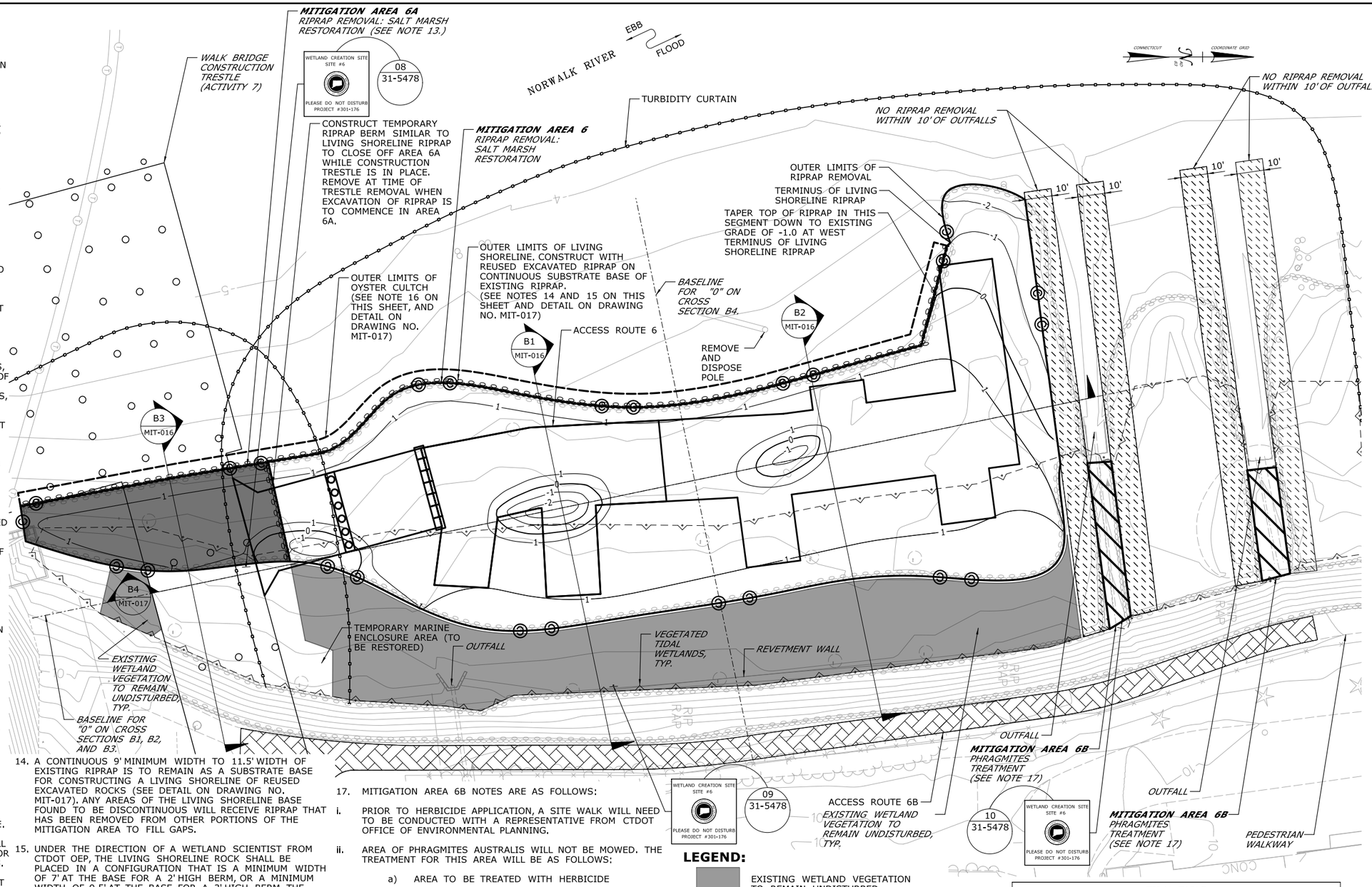
   a) AREA TO BE TREATED WITH HERBICIDE

   b) ALLOW HERBICIDE TO TAKE ROOT FOR 7-10 DAYS

   c) AFTER THE 7-10 DAY PERIOD, AND AFTER APPROVAL BY THE OEP SCIENTIST, THE CONTRACTOR SHALL CUT PHRAGMITES STEMS FLUSH AND MANUALLY BAG STALKS FOR OFF-SITE DISPOSAL.

   d) ADDITIONAL TREATMENT MEASURES SHALL REOCCUR AND FOLLOW THE SAME STEPS UNTIL PROJECT COMPLETION.

iii. THE TREATMENT FOR THIS AREA WILL BE PAID UNDER ITEM NO. 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION.



LEGEND:

- EXISTING WETLAND VEGETATION TO REMAIN UNDISTURBED
- NO RIPRAP REMOVAL
- PHRAGMITES TREATMENT (SITE 6B)
- MITIGATION AREA 6A
- VEGETATED TIDAL WETLANDS
- MITIGATION AREA BOUNDARY
- APPROXIMATE SLOPE LIMITS
- OUTER LIMITS OF OYSTER CULTCH

TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	10.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 20 40
SCALE 1" = 40'

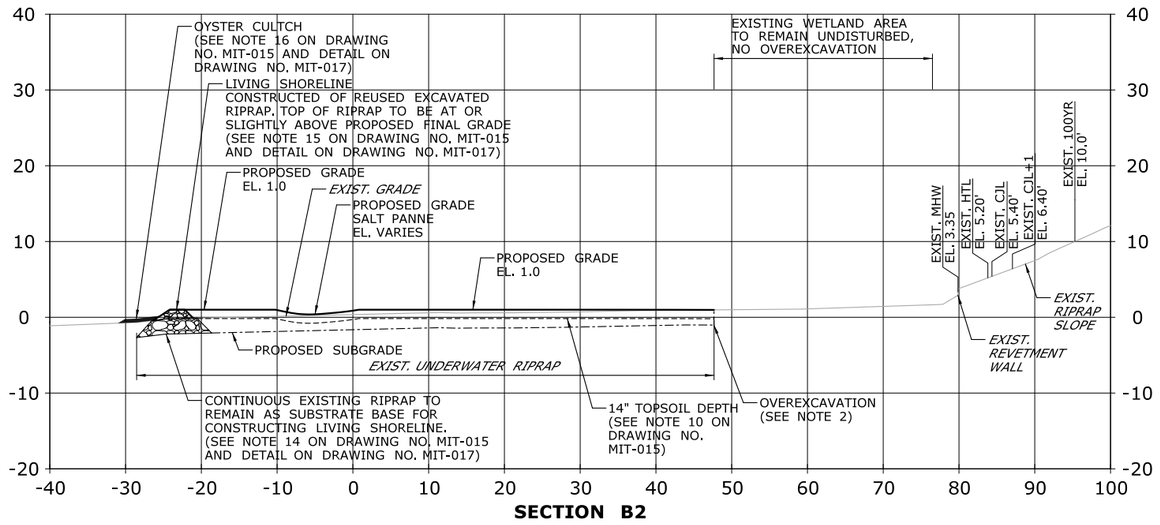
DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

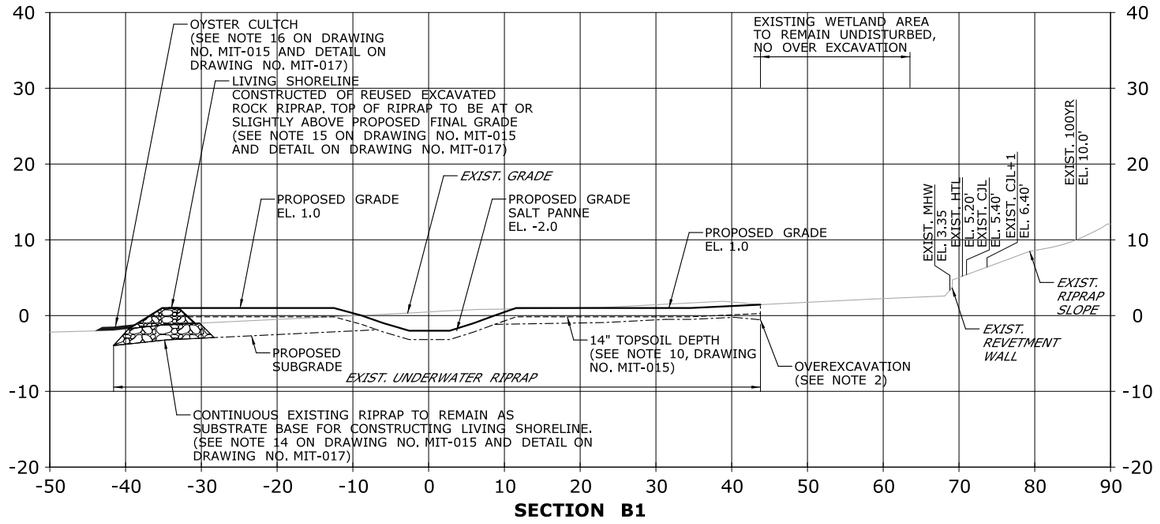
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

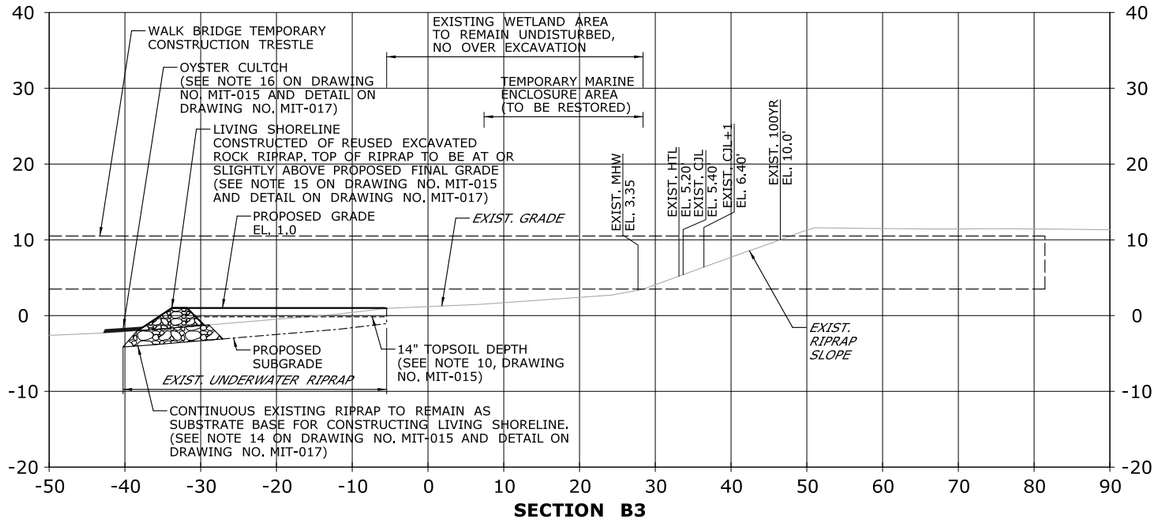
TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-015)**
DATE: **12-5-19**
DRAWING NO.: **CA16-15**



SECTION B2



SECTION B1



SECTION B3

NOTES:

1. SEE SECTIONS FOR TOPSOIL DEPTHS.
2. OVEREXCAVATION TO BE SEQUENCED AS FOLLOWS:

   i. EXCAVATE SURFACE LAYER OF EXISTING RIPRAP TO REMOVE AND REUSE ROCK THAT IS CLEAN AND A MINIMUM 90% FREE OF SOIL FOR CONSTRUCTION OF LIVING SHORELINE.

   ii. OVEREXCAVATE REMAINING RIPRAP LAYERS TO A SUFFICIENT DEPTH (BETWEEN 1.5' AND 2.75') BELOW EXISTING GRADE TO REMOVE ANY LAYERS OF RIPRAP THAT CONSIST OF MORE THAN 50% ROCK. LAYERS OF RIPRAP WITH MORE THAN 50% SOIL CAN REMAIN IN PLACE ONCE PROPOSED SUBGRADE IS ACHIEVED AS DETERMINED BY THE OEP WETLAND SCIENTIST.

   iii. GRADE MITIGATION AREA 6 TO MATCH PROPOSED GRADE.

LEGEND:

CJL+1= CT COASTAL JURISDICTION LINE +1
CJL = CT COASTAL JURISDICTION LINE
HTL = HIGH TIDE LINE
MHW = MEAN HIGH WATER LINE
EL = ELEVATION
EXIST. = EXISTING
YR = YEAR

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 10 20
SCALE 1" = 20'

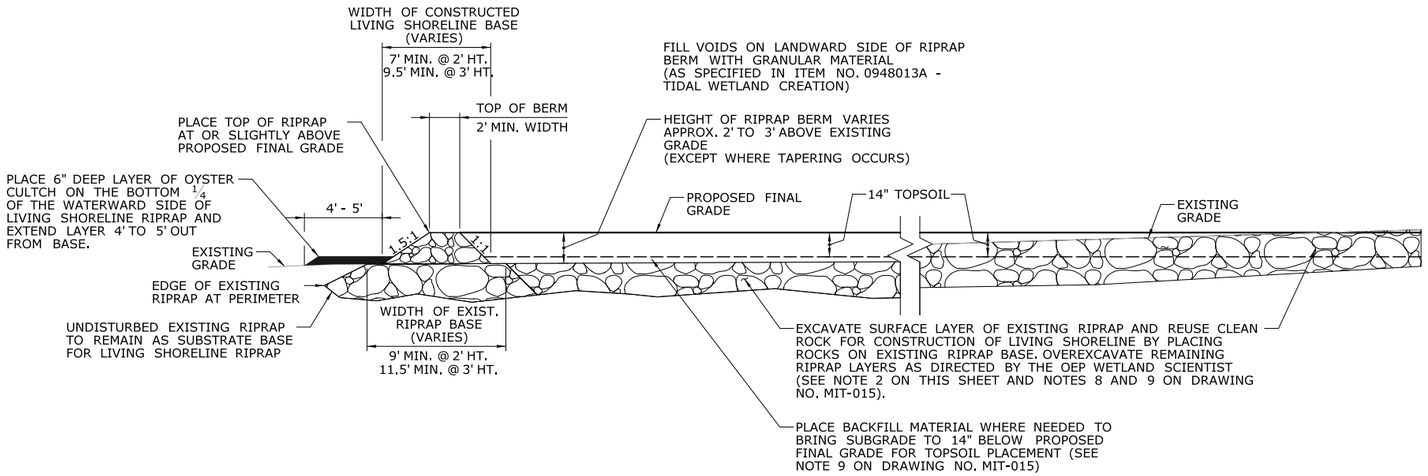
DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-016)**
DATE: **12-5-19**
DRAWING NO.: **CA16-16**



LIVING SHORELINE DETAIL WITH REUSED RIPRAP

NOTES:

1. SEE SECTIONS FOR TOPSOIL DEPTHS.

2. OVEREXCAVATION TO BE SEQUENCED AS FOLLOWS:

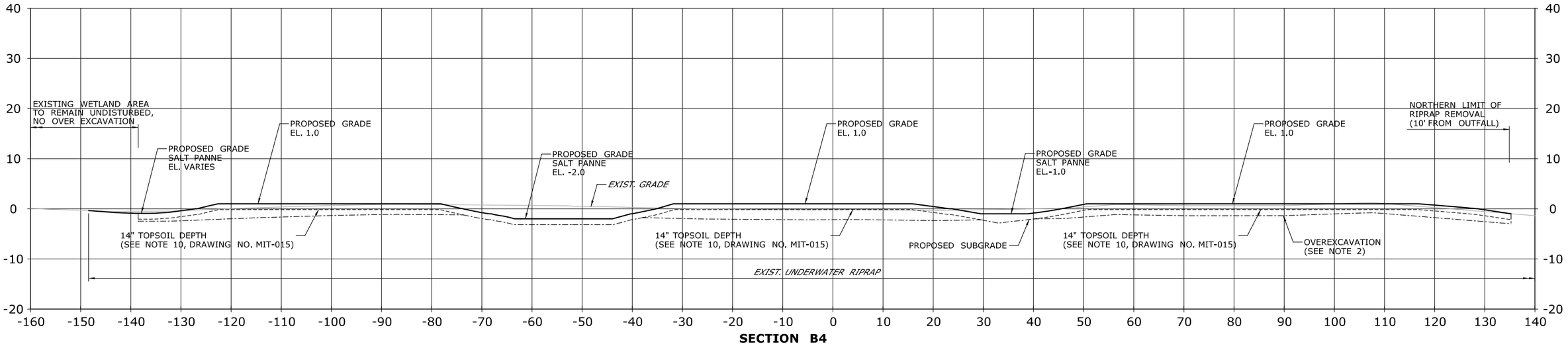
   i. EXCAVATE SURFACE LAYER OF EXISTING RIPRAP TO REMOVE AND REUSE ROCK THAT IS CLEAN AND A MINIMUM 90% FREE OF SOIL FOR CONSTRUCTION OF LIVING SHORELINE.

   ii. OVEREXCAVATE REMAINING RIPRAP LAYERS TO A SUFFICIENT DEPTH (BETWEEN 1.5' AND 2.75') BELOW EXISTING GRADE TO REMOVE ANY LAYERS OF RIPRAP THAT CONSIST OF MORE THAN 50% ROCK. LAYERS OF RIPRAP WITH MORE THAN 50% SOIL CAN REMAIN IN PLACE ONCE PROPOSED SUBGRADE IS ACHIEVED AS DETERMINED BY THE OEP WETLAND SCIENTIST.

   iii. GRADE MITIGATION AREA 6 TO MATCH PROPOSED GRADE.

LEGEND:

EXIST. = EXISTING



SECTION B4

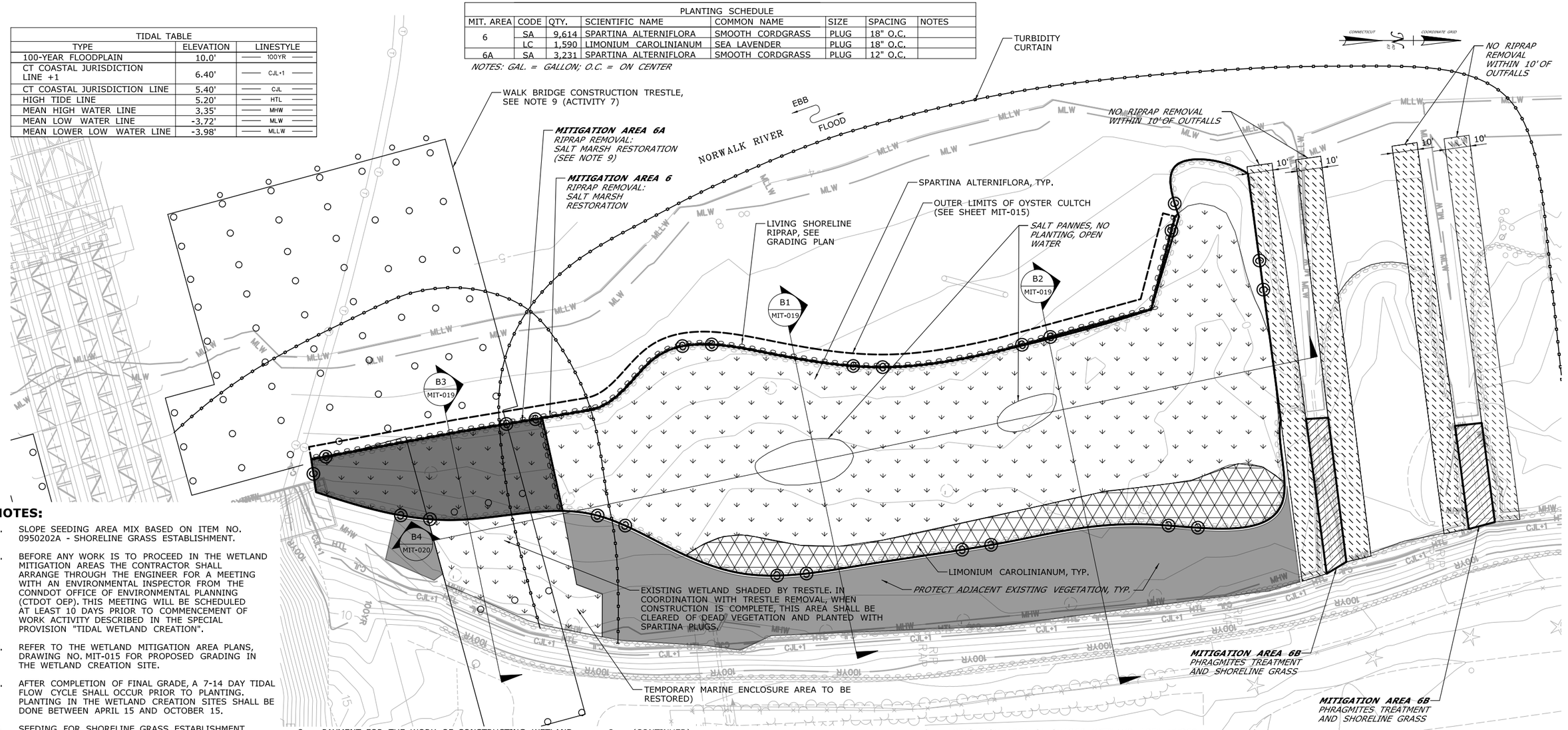
FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE: SCALE IN FEET 0 10 20 SCALE 1" = 20'	DRAWN: V. ROBBINS CHECKED: T. ADINOLFI APPROVED: C. BROWN	SIGNATURE BLOCK:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5	TOWN: NORWALK DRAWING TITLE: ACTIVITY 16 WETLAND MITIGATION (MIT-017)	PROJECT NO.: 0301-0176 DATE: 12-5-19 DRAWING NO.: CA16-17

TIDAL TABLE		
TYPE	ELEVATION	LINESTYLE
100-YEAR FLOODPLAIN	10.0'	100YR
CT COASTAL JURISDICTION LINE +1	6.40'	CJL+1
CT COASTAL JURISDICTION LINE	5.40'	CJL
HIGH TIDE LINE	5.20'	HTL
MEAN HIGH WATER LINE	3.35'	MHW
MEAN LOW WATER LINE	-3.72'	MLW
MEAN LOWER LOW WATER LINE	-3.98'	MLLW

PLANTING SCHEDULE							
MIT. AREA	CODE	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	NOTES
6	SA	9,614	SPARTINA ALTERNIFLORA	SMOOTH CORDGRASS	PLUG	18" O.C.	
	LC	1,590	LIMONIUM CAROLINIANUM	SEA LAVENDER	PLUG	18" O.C.	
6A	SA	3,231	SPARTINA ALTERNIFLORA	SMOOTH CORDGRASS	PLUG	12" O.C.	

NOTES: GAL. = GALLON; O.C. = ON CENTER



NOTES:

1. SLOPE SEEDING AREA MIX BASED ON ITEM NO. 0950202A - SHORELINE GRASS ESTABLISHMENT.
2. BEFORE ANY WORK IS TO PROCEED IN THE WETLAND MITIGATION AREAS THE CONTRACTOR SHALL ARRANGE THROUGH THE ENGINEER FOR A MEETING WITH AN ENVIRONMENTAL INSPECTOR FROM THE CONNDOT OFFICE OF ENVIRONMENTAL PLANNING (CTDOT OEP). THIS MEETING WILL BE SCHEDULED AT LEAST 10 DAYS PRIOR TO COMMENCEMENT OF WORK ACTIVITY DESCRIBED IN THE SPECIAL PROVISION "TIDAL WETLAND CREATION".
3. REFER TO THE WETLAND MITIGATION AREA PLANS, DRAWING NO. MIT-015 FOR PROPOSED GRADING IN THE WETLAND CREATION SITE.
4. AFTER COMPLETION OF FINAL GRADE, A 7-14 DAY TIDAL FLOW CYCLE SHALL OCCUR PRIOR TO PLANTING. PLANTING IN THE WETLAND CREATION SITES SHALL BE DONE BETWEEN APRIL 15 AND OCTOBER 15.
5. SEEDING FOR SHORELINE GRASS ESTABLISHMENT SHALL COMMENCE UPON COMPLETION OF GRADING AND PLACEMENT OF PLANTING SUBSTRATE/TOPSOIL AND AFTER COMPLETION OF INITIAL INSTALLATION OF ALL PLANTS. THE GRADING AND SEEDING MUST BE PERFORMED WITHIN THE SAME CONSTRUCTION SEASON WITH NO SCHEDULED INACTIVE PERIOD OF MORE THAN 10 WORKDAYS. SEEDS SHALL BE APPLIED BY BROADCAST SPREADING.
6. AN ENVIRONMENTAL INSPECTOR FROM THE CTDOT OEP SHALL INSPECT THE WETLAND CREATION SITES PRIOR TO PLANTING TO DETERMINE THE SITES ARE SUITABLE FOR PLANTING. THE ENVIRONMENTAL INSPECTOR MAY MODIFY THE PLANT LAYOUT FROM THE PLANTING PLAN IF AS-BUILT CONDITIONS POSE A THREAT TO THE SURVIVAL OF PLANTINGS.
7. AUGER OR DIG TO MAKE PLANTING HOLES FOR SHRUBS, AND TRANSPLANT. DO NOT REMOVE PLANTS FROM CONTAINERS UNTIL IMMEDIATELY BEFORE PLANTING. SEPARATE ANY POT-BOUND OR CRAMPED ROOTS AND SPREAD THEM WHEN PLACING THE PLANTS. MACHINERY WILL NOT BE ALLOWED WITHIN THE MITIGATION SITE AT ANY TIME FOR PLANTING.
8. PAYMENT FOR THE WORK OF CONSTRUCTING WETLAND MITIGATION AREAS WILL BE MADE UNDER THE FOLLOWING ITEMS:

   DISPOSAL OF DEBRIS WILL BE PAID UNDER ITEM #0101135A - DISPOSAL OF DEBRIS.

   EXCAVATION TO PERFORM GRADING WILL BE PAID UNDER ITEM #0202000 - EARTH EXCAVATION.

   FURNISHING, PLACING, MAINTAINING AND REMOVING SEDIMENTATION CONTROL SYSTEMS WILL BE PAID UNDER ITEM #0219001 - SEDIMENTATION CONTROL SYSTEM.

   REMOVAL OF INVASIVE PLANT SPECIES WILL BE PAID UNDER #0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION.

   FORMATION OF SUBGRADE IN WETLAND CREATION SITES, PROVIDING AND PLACING PLANTING SUBSTRATE/TOPSOIL, REUSING AND REPLACING RIPRAP FOR THE LIVING SHORELINE, PLACEMENT OF OYSTER CULTCH, FURNISHING AND PLACING GRANULAR FILL IN RIPRAP VOIDS, AND FINISH GRADING WILL BE PAID UNDER ITEM #0948013A - TIDAL WETLAND CREATION.

8. (CONTINUED)

   FURNISHING, PLACING AND ESTABLISHING SHORELINE GRASS WILL BE PAID UNDER ITEM #0950202A - SHORELINE GRASS ESTABLISHMENT.

   FURNISHING AND PLACING SHRUBS AND HERBACEOUS PLANTINGS IN THE WETLAND MITIGATION AREAS WILL BE PAID UNDER ITEM #0949875A - WETLAND PLANTINGS. REPLACEMENT OF PLANTINGS IN MITIGATION AREA 6 SHALL BE INCLUDED IN THIS ITEM.

   THE COST OF INSTALLING WETLAND CREATION SIGNS (31-5478) WILL BE PAID FOR UNDER ITEM#1208932A - SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING).

9. MITIGATION AREA 6A, SHADED WETLAND AREA UNDER TRESTLE, AND RESTORED TEMPORARY MARINE ENCLOSURE AREA TO BE COMPLETED LAST, IN COORDINATION WITH THE REMOVAL OF THE WALK BRIDGE CONSTRUCTION TRESTLE. DEAD VEGETATION IN SHADED WETLAND AREA SHALL BE REMOVED AND THE AREA SHALL BE PLANTED WITH SPARTINA PLUGS. CONSTRUCTION ACTIVITIES FOR AREA 6A WILL BE PERFORMED FROM THE NE TRESTLE AS IT GETS REMOVED UPON COMPLETION OF BRIDGE CONSTRUCTION. ACCESS TO AREA 6A AFTER THE CONSTRUCTION TRESTLE IS REMOVED WILL BE ALONG THE EXISTING MULTI-USE TRAIL FROM THE CONSTRUCTION STAGING AREA WITHIN CTDOT RIGHT OF WAY ON THE NORTH SIDE OF THE EAST APROACH TO WALK BRIDGE.

LEGEND:

- SPARTINA ALTERNIFLORA (SMOOTH CORDGRASS)
- LIMONIUM CAROLINIANUM (SEA LAVENDER)
- SHORELINE GRASS ESTABLISHMENT
- OUTER LIMITS OF OYSTER CULTCH
- MITIGATION AREA BOUNDARY
- APPROXIMATE SLOPE LIMITS
- NO RIPRAP REMOVAL
- EXISTING VEGETATION PROTECTION
- MITIGATION AREA 6A

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE: SCALE IN FEET 0 20 40 — SCALE 1" = 40'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

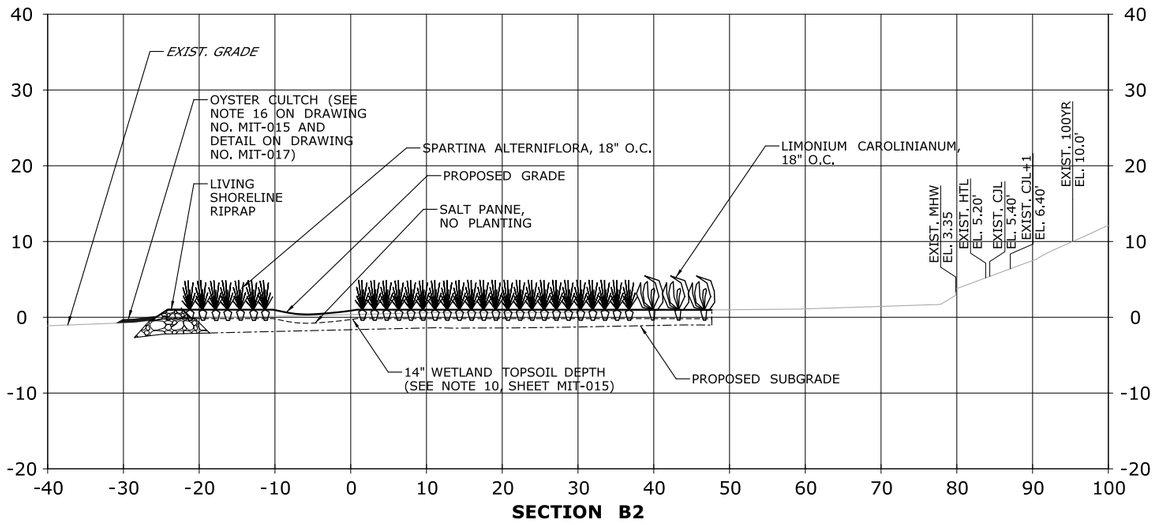
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5**

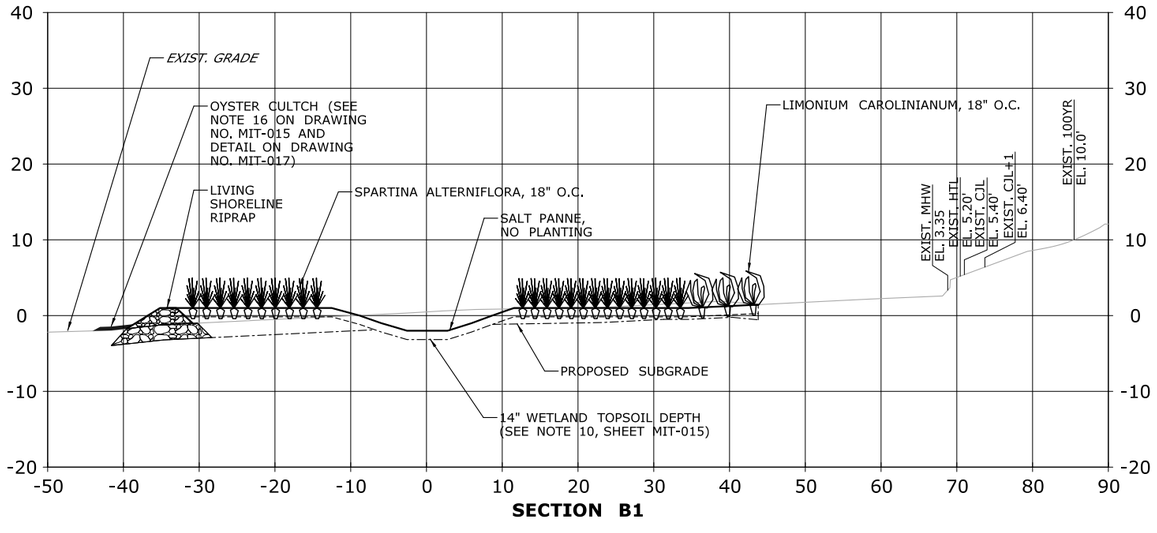
TOWN: **NORWALK**

DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-018)**

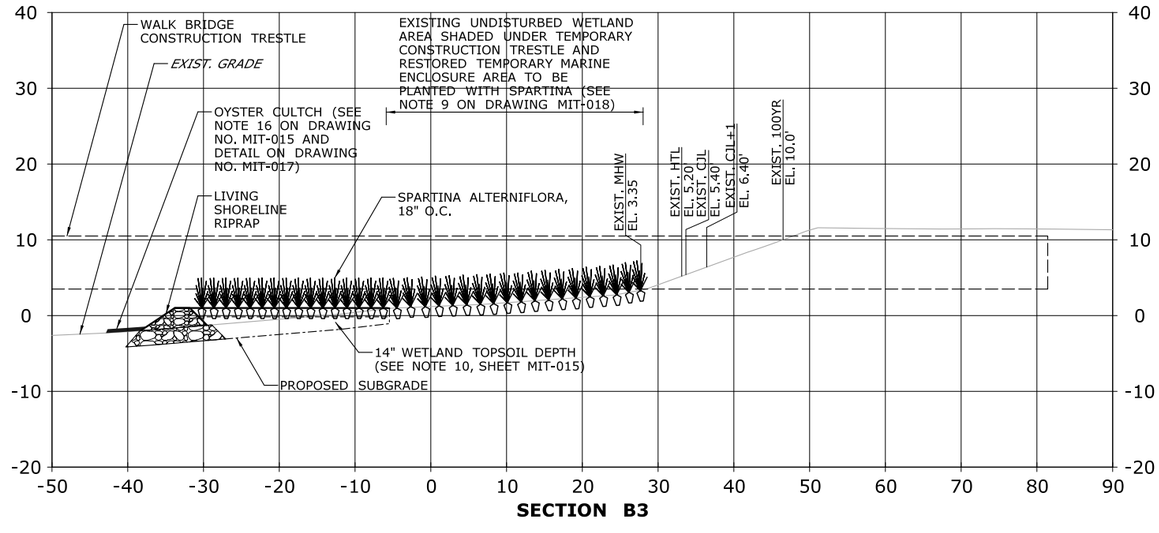
PROJECT NO.: **0301-0176**
DATE: **12-5-19**
DRAWING NO.: **CA16-18**



SECTION B2



SECTION B1



SECTION B3

NOTES:

1. SEE MIT-018 MITIGATION AREA 6 PLANTING PLAN
2. SEE GRADING DRAWING (MIT-015) AND SECTIONS (MIT-016 AND MIT-017) FOR OVEREXCAVATION DEPTHS AND LIMITS.

LEGEND:

CJL+1= CT COASTAL JURISDICTION LINE +1
CJL = CT COSTAL JURISDICTION LINE
HTL = HIGH TIDE LINE
MHW = MEAN HIGH WATER LINE
EL = ELEVATION
O.C. = ON CENTER
YR = YEAR

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 10 20
SCALE 1" = 20'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

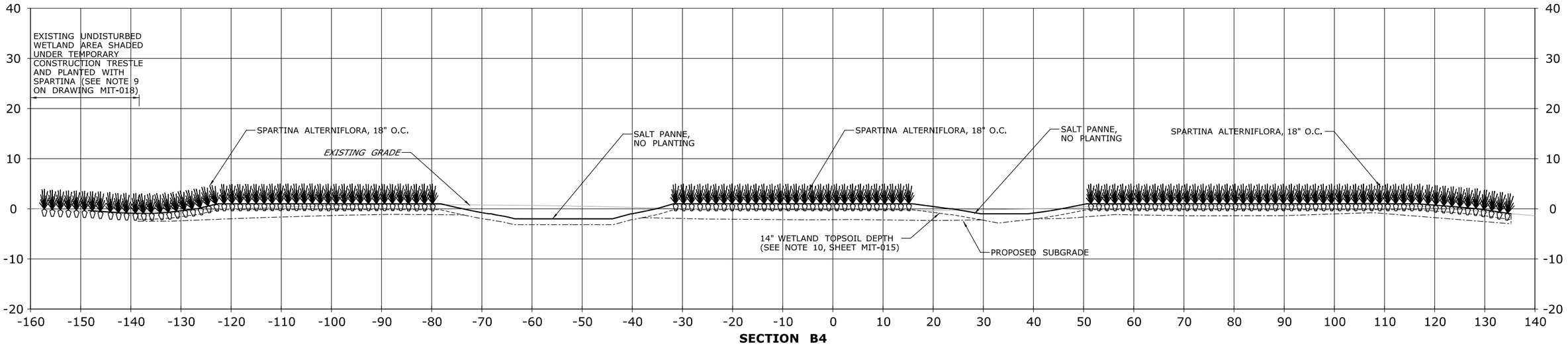
TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-019)**
DATE: **12-5-19**
DRAWING NO.: **CA16-19**

NOTES:

1. SEE MIT-018 MITIGATION AREA 6 PLANTING PLAN
2. SEE GRADING DRAWING (MIT-015) AND SECTIONS (MIT-016 AND MIT-017) FOR OVEREXCAVATION DEPTHS AND LIMITS.

LEGEND:

O.C. = ON CENTER



SECTION B4

FOR INFORMATION ONLY
MITIGATION SITES OUTSIDE NAVIGATION CHANNEL

SCALE:
SCALE IN FEET
0 10 20
SCALE 1" = 20'

DRAWN: V. ROBBINS
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

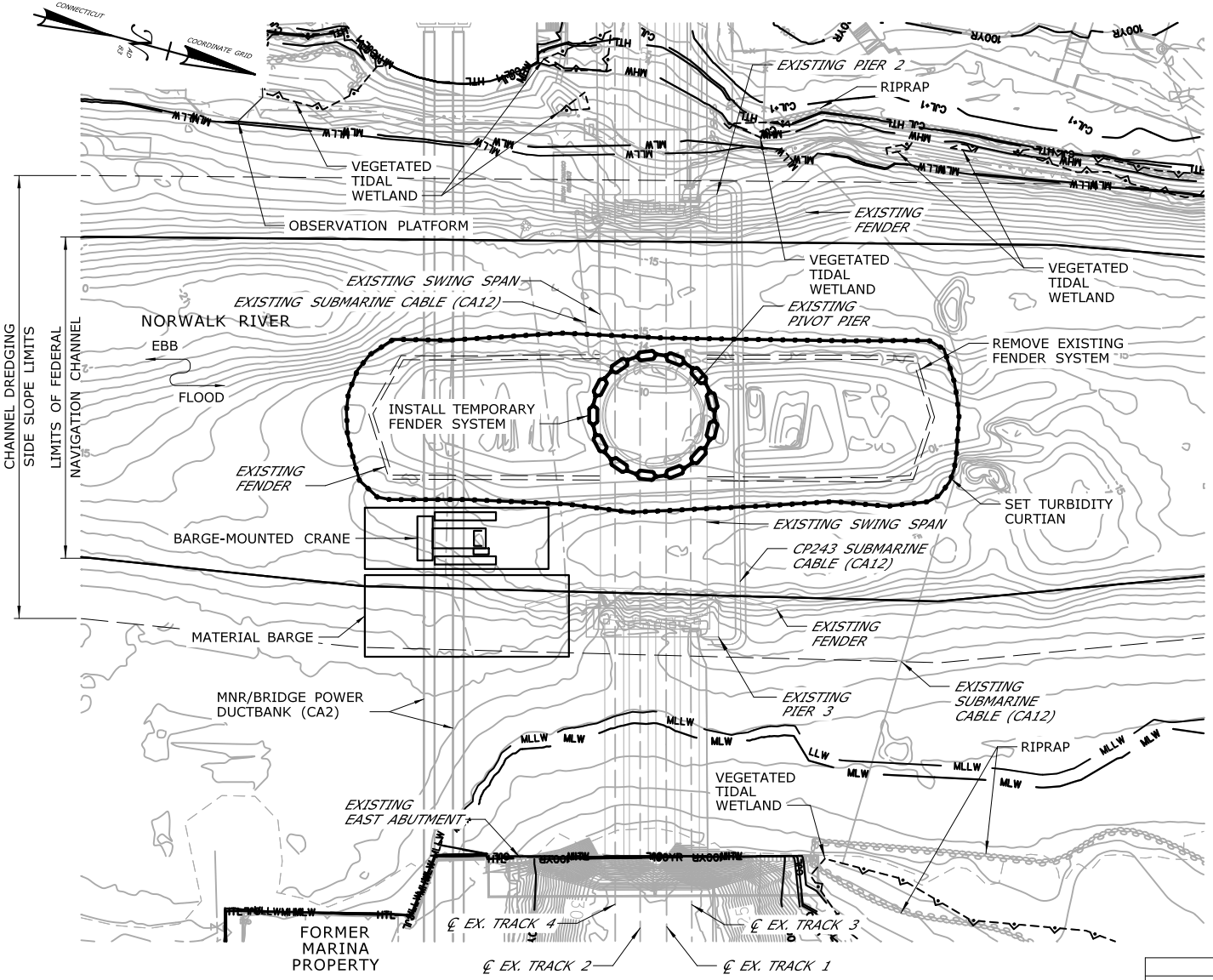
SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
DRAWING TITLE: **ACTIVITY 16 WETLAND MITIGATION (MIT-020)**

PROJECT NO.: **0301-0176**
DATE: **12-5-19**
DRAWING NO.: **CA16-20**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO DREDGE THE RIVER WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
X	SET TURBIDITY CURTAIN.
X	REMOVE EXISTING FENDER SYSTEM. INSTALL TEMPORARY FENDER SYSTEM.
	MOBILIZE BARGES AND EQUIPMENT TO SOUTH SIDE OF BRIDGE. SET TURBIDITY CURTAIN.
	DREDGE CHANNEL ON SOUTH SIDE OF BRIDGE.
	MOBILIZE BARGES AND EQUIPMENT TO NORTH SIDE OF BRIDGE. SET TURBIDITY CURTAIN.
	DREDGE CHANNEL ON NORTH SIDE OF BRIDGE.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE 1" = 80'
0 40 80

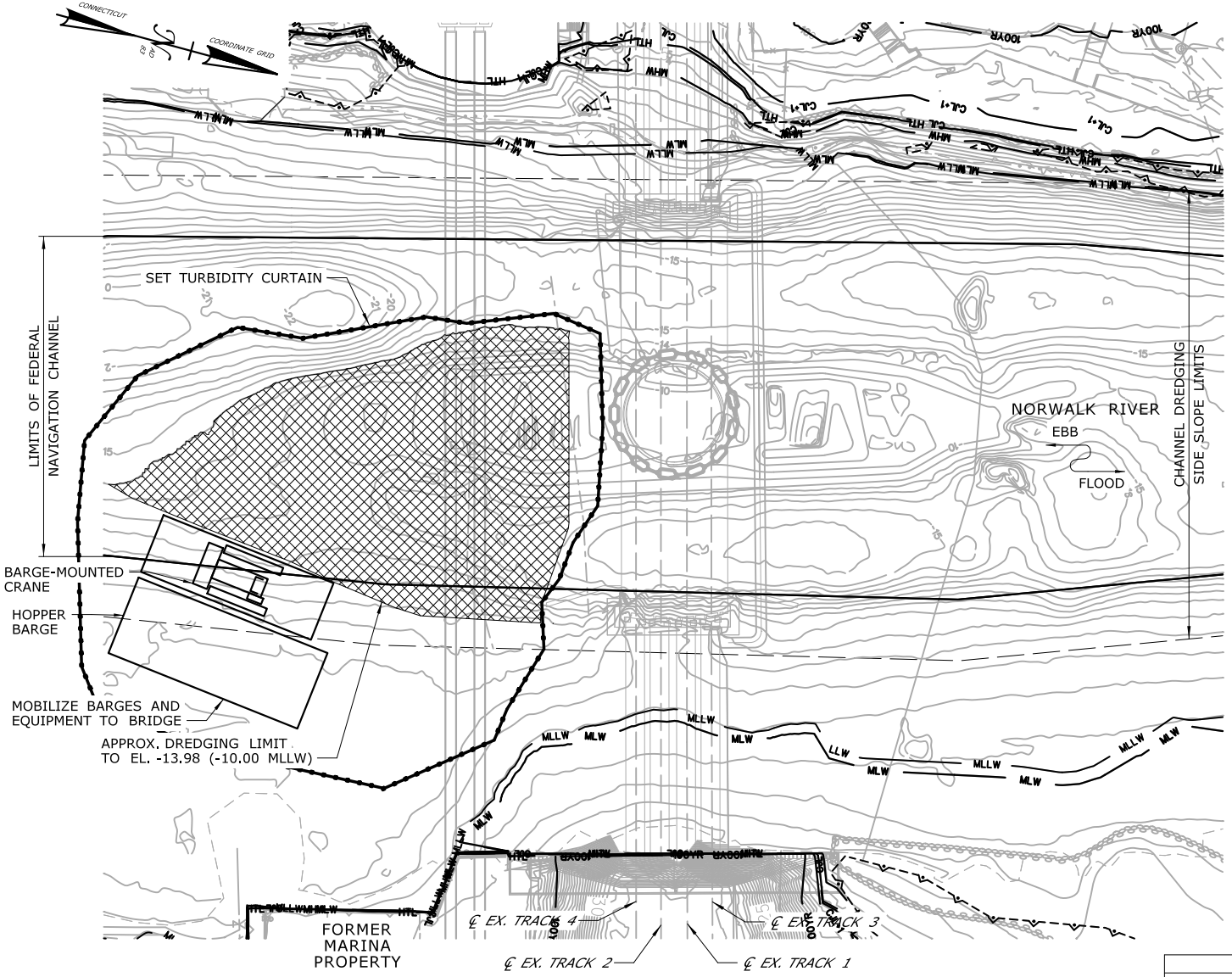
DRAWN: W. GREGORY
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 17 DREDGING OPERATIONS (SHEET 1 OF 7)**
DATE: **REV 02-23-21**
DRAWING NO.: **CA17-1**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO DREDGE THE RIVER WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	SET TURBIDITY CURTAIN.
	REMOVE EXISTING FENDER SYSTEM. INSTALL TEMPORARY FENDER SYSTEM.
X	MOBILIZE BARGES AND EQUIPMENT TO SOUTH SIDE OF BRIDGE. SET TURBIDITY CURTAIN.
X	DREDGE CHANNEL ON SOUTH SIDE OF BRIDGE.
	MOBILIZE BARGES AND EQUIPMENT TO NORTH SIDE OF BRIDGE. SET TURBIDITY CURTAIN.
	DREDGE CHANNEL ON NORTH SIDE OF BRIDGE.

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. EXCAVATED MATERIAL AND DEWATERED WASTEWATERS SHALL BE MANAGED IN ACCORDANCE WITH THE ENVIRONMENTAL SPECIAL PROVISIONS AND CTDEEP REQUIREMENTS.
3. WEST CHANNEL MAY BE PARTIALLY RESTRICTED FOR A PERIOD OF TIME BUT WILL OTHERWISE REMAIN OPEN DURING THIS WORK. TEMPORARY AIDS TO NAVIGATION (E.G., LIGHTS) WILL BE COORDINATED WITH THE USCG.
4. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE 1" = 80' (0 40 80)

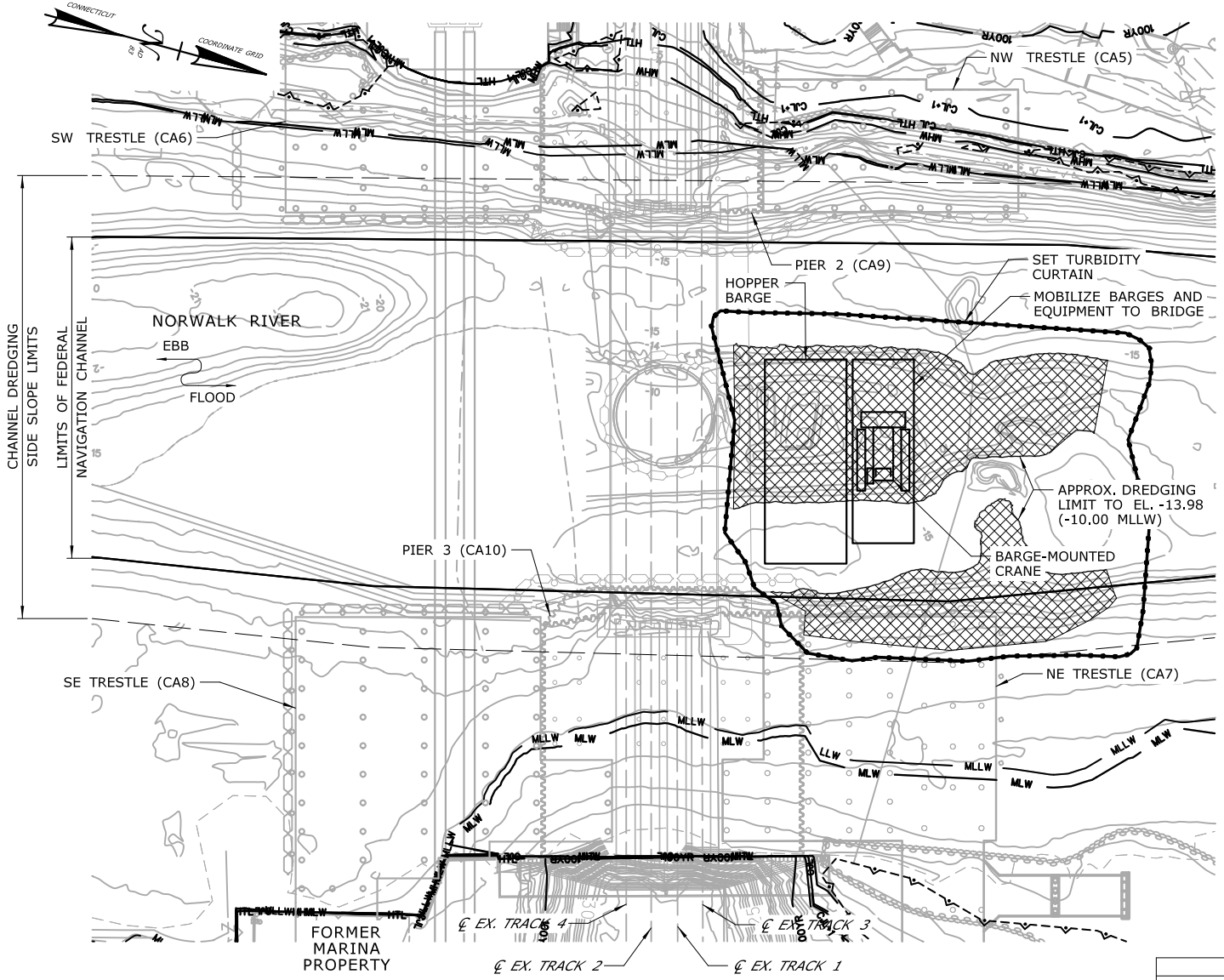
DRAWN: W. GREGORY
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 17 DREDGING OPERATIONS (SHEET 2 OF 7)**
DATE: **REV 02-23-21**
DRAWING NO.: **CA17-2**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO DREDGE THE RIVER WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	SET TURBIDITY CURTAIN.
	REMOVE EXISTING FENDER SYSTEM. INSTALL TEMPORARY FENDER SYSTEM.
	MOBILIZE BARGES AND EQUIPMENT TO SOUTH SIDE OF BRIDGE. SET TURBIDITY CURTAIN.
	DREDGE CHANNEL ON SOUTH SIDE OF BRIDGE.
X	MOBILIZE BARGES AND EQUIPMENT TO NORTH SIDE OF BRIDGE. SET TURBIDITY CURTAIN.
X	DREDGE CHANNEL ON NORTH SIDE OF BRIDGE.

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. EXCAVATED MATERIAL AND DEWATERED WASTEWATERS SHALL BE MANAGED IN ACCORDANCE WITH THE ENVIRONMENTAL SPECIAL PROVISIONS AND CTDEEP REQUIREMENTS.
3. WEST CHANNEL MAY BE PARTIALLY RESTRICTED FOR A PERIOD OF TIME BUT WILL OTHERWISE REMAIN OPEN DURING THIS WORK. TEMPORARY AIDS TO NAVIGATION (E.G., LIGHTS) WILL BE COORDINATED WITH THE USCG.
4. DREDGING REQUIRED AROUND THE EXISTING PIERS WILL TAKE PLACE WITHIN MARINE ENCLOSURES IN CONJUNCTION WITH PIER REMOVAL. SEE ACTIVITY 14.
5. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE 1" = 80' (0, 40, 80)

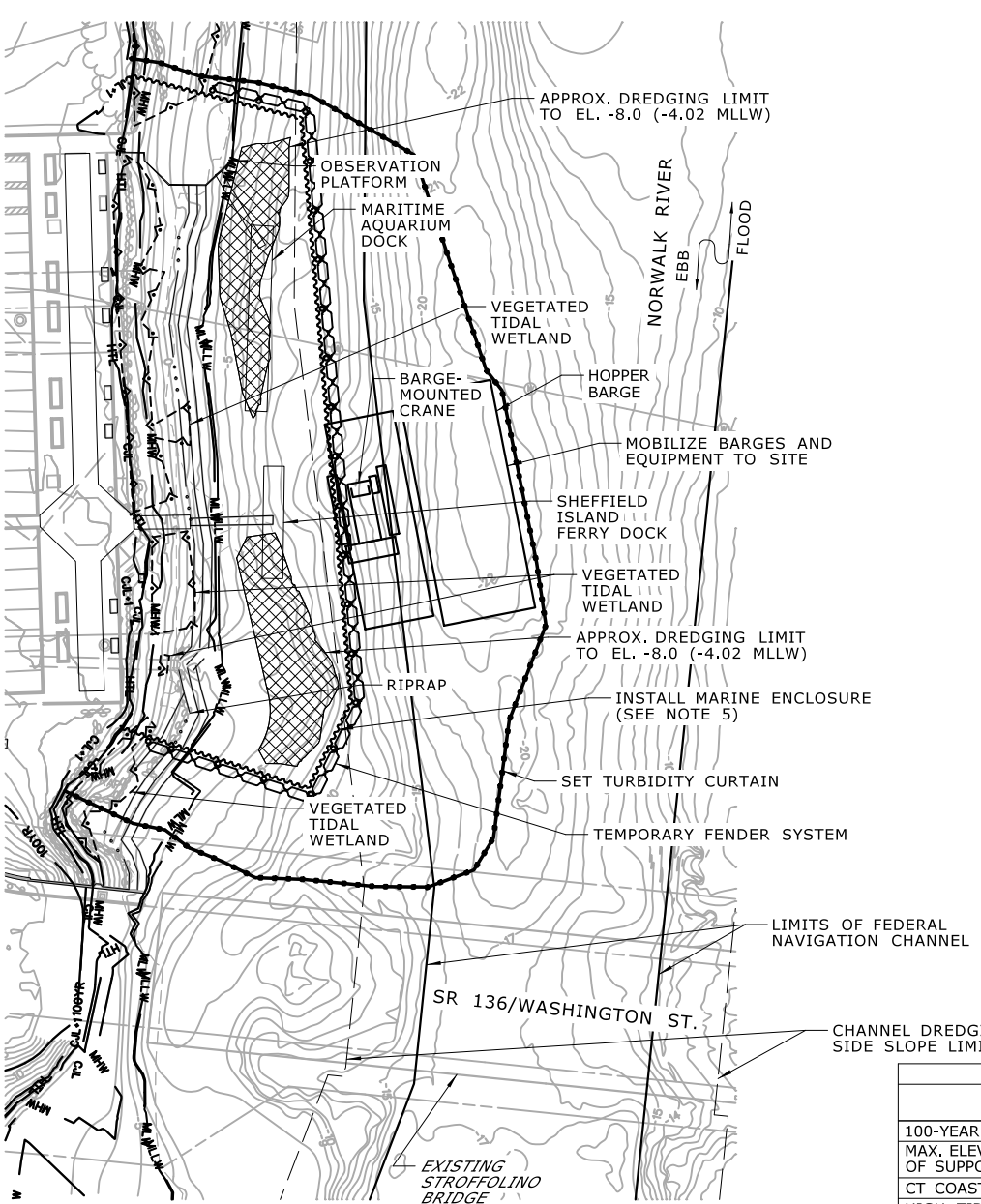
DRAWN: W. GREGORY
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: NORWALK
PROJECT NO.: 0301-0176
DRAWING TITLE: ACTIVITY 17 DREDGING OPERATIONS (SHEET 3 OF 7)
DATE: REV 02-23-21
DRAWING NO.: CA17-3



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO DREDGE THE RIVER WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

WORK DESCRIPTION	
X	MOBILIZE BARGES AND EQUIPMENT TO VESSEL DOCKS.
X	SET TURBIDITY CURTAIN AND INSTALL MARINE ENCLOSURE.
X	DREDGE ALONG SHORELINE.

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. EXISTING DOCK LOCATIONS SHOWN FOR REFERENCE. DOCKS WILL BE REMOVED PRIOR TO DREDGING. SEE ACTIVITY 3.
3. EXCAVATED MATERIAL AND DEWATERED WASTEWATERS SHALL BE MANAGED IN ACCORDANCE WITH THE ENVIRONMENTAL SPECIAL PROVISIONS AND CTDEEP REQUIREMENTS.
4. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
5. MARINE ENCLOSURE WILL ONLY BE REQUIRED IF DREDGING OCCURS OUTSIDE THE MONTHS OF DECEMBER AND JANUARY.
6. DREDGING WILL NOT OCCUR AT THIS LOCATION WHILE THE SHEFFIELD ISLAND FERRY AND MARITIME AQUARIUM DOCK ARE IN USE.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	12.0	15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE 1" = 80' (0 40 80)

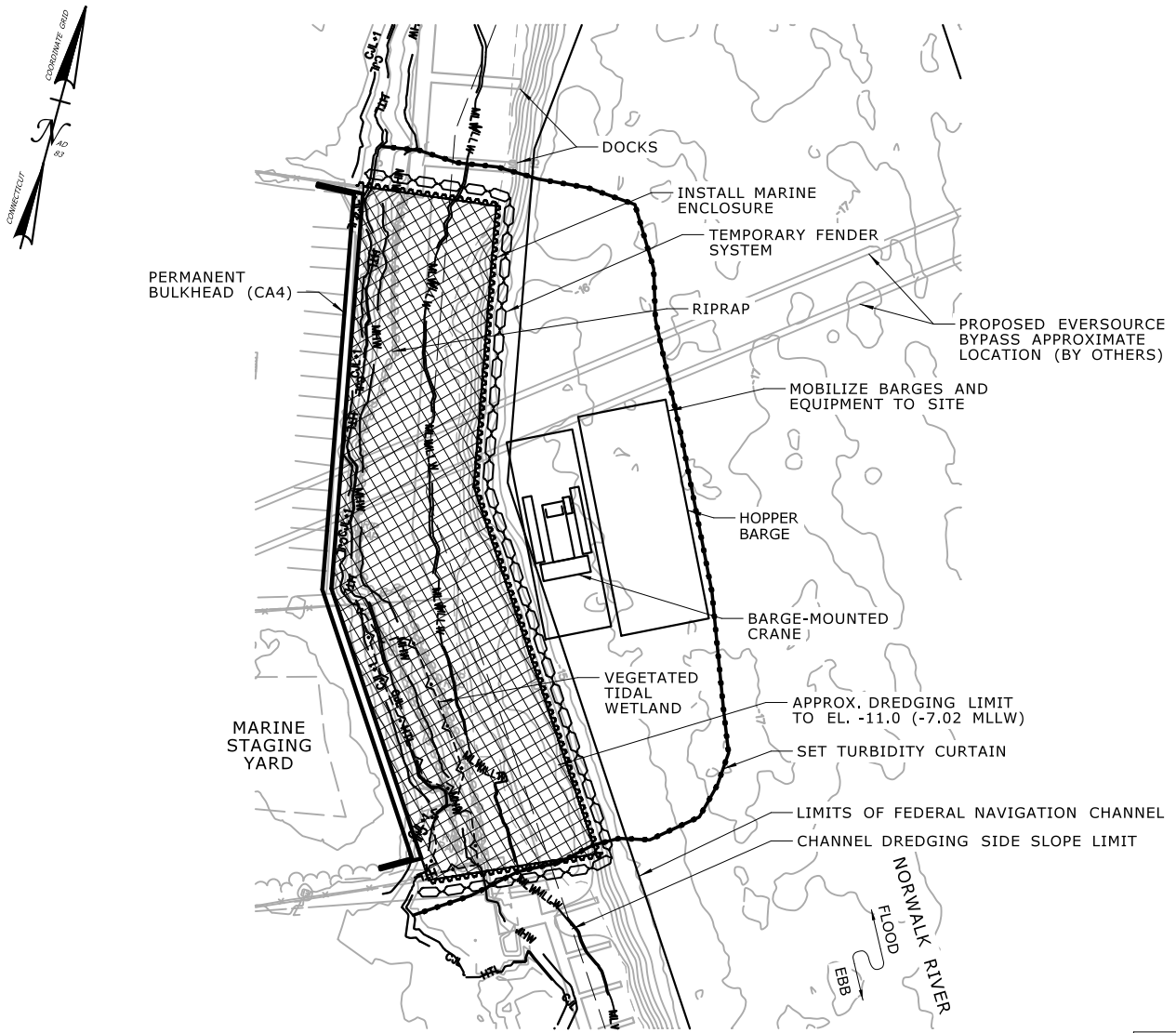
DRAWN: W. GREGORY
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 17 DREDGING OPERATIONS (SHEET 4 OF 7)**
DATE: **REV 02-23-21**
DRAWING NO.: **CA17-4**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO DREDGE THE RIVER WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
X	MOBILIZE BARGES AND EQUIPMENT TO MARINE STAGING YARD.
X	SET TURBIDITY CURTAIN AND INSTALL MARINE ENCLOSURE.
X	DREDGE ALONG IN FRONT OF BULKHEAD.

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. EXCAVATED MATERIAL AND DEWATERED WASTEWATERS SHALL BE MANAGED IN ACCORDANCE WITH THE ENVIRONMENTAL SPECIAL PROVISIONS AND CTDEEP REQUIREMENTS.
3. EXISTING TIMBER PILES, RIPRAP, AND DEBRIS ALONG SHORELINE WILL BE REMOVED PRIOR TO DREDGING. PERMANENT SHEETPILE BULKHEAD WILL BE INSTALLED PRIOR TO DREDGING. SEE ACTIVITY 4.
4. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
5. MARINE ENCLOSURE WILL ONLY BE REQUIRED IF DREDGING OCCURS OUTSIDE THE MONTHS OF DECEMBER AND JANUARY.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	14.0	17.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE 1" = 80' (0 40 80)

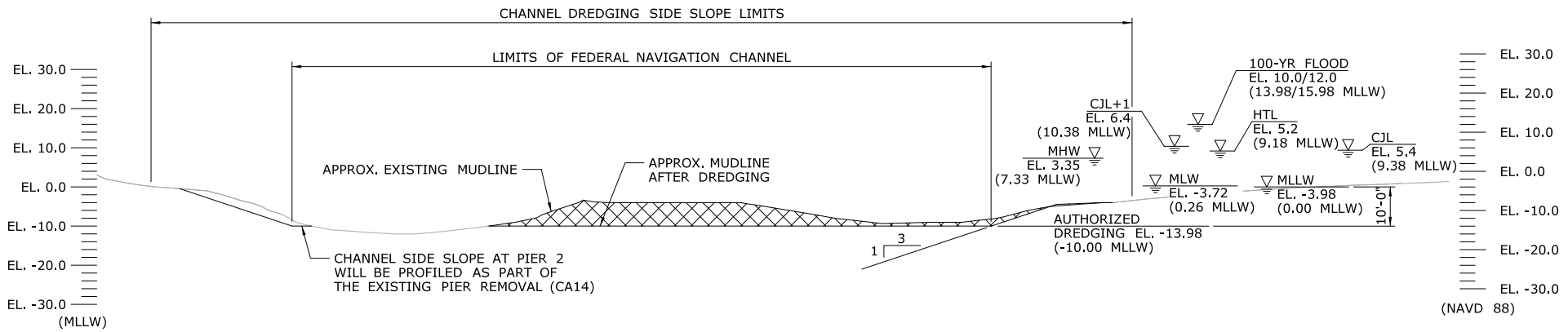
DRAWN: W. GREGORY
CHECKED: T. ADINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: NORWALK
PROJECT NO.: 0301-0176
DRAWING TITLE: ACTIVITY 17 DREDGING OPERATIONS (SHEET 5 OF 7)
DATE: REV 05-19-21
DRAWING NO.: CA17-5



TYPICAL SECTION AT BRIDGE

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. EXCAVATED MATERIAL AND DEWATERED WASTEWATERS SHALL BE MANAGED IN ACCORDANCE WITH THE ENVIRONMENTAL SPECIAL PROVISIONS AND CTDEEP REQUIREMENTS.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE 1" = 40' (0, 20, 40)

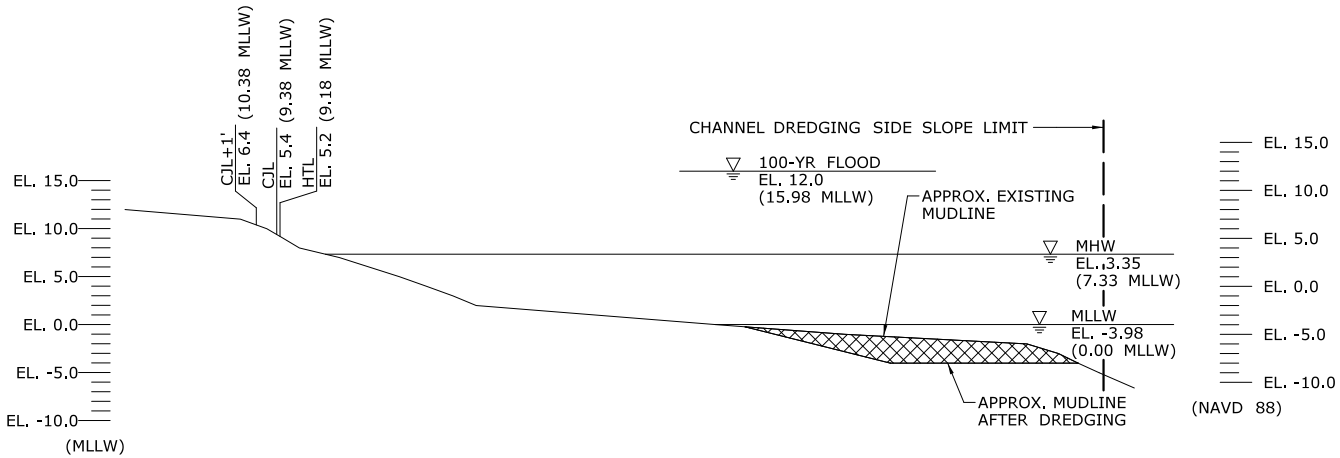
DRAWN: W. GREGORY
CHECKED: T. ADFINOLFI
APPROVED: C. BROWN

SIGNATURE BLOCK:

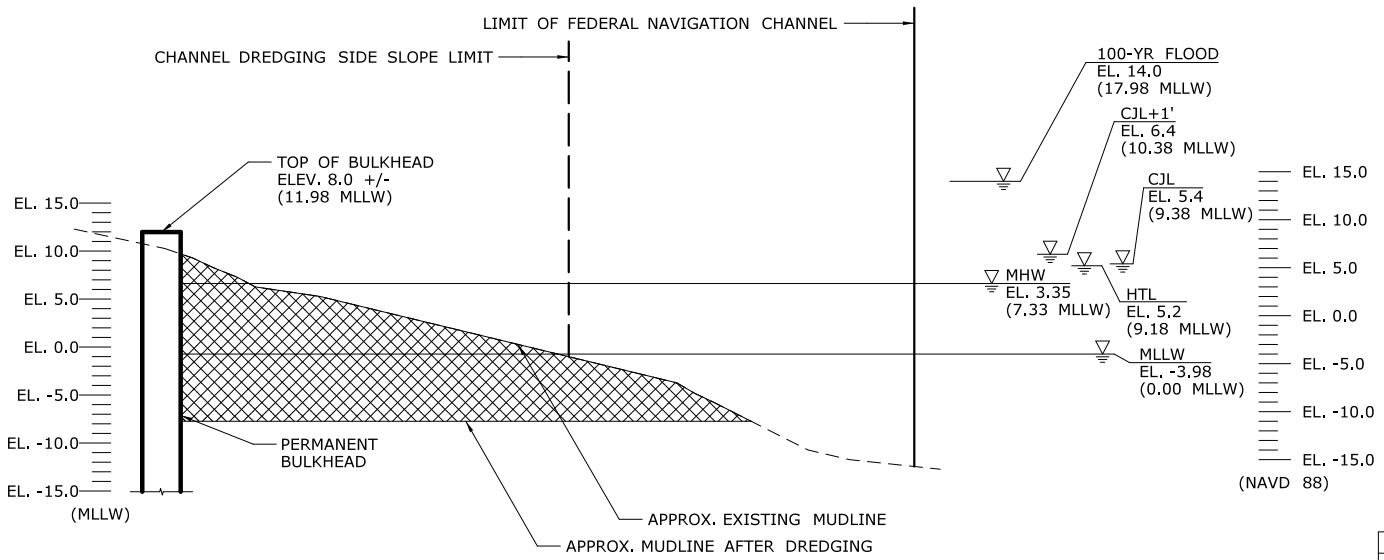
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 17 DREDGING OPERATIONS (SHEET 6 OF 7)**
DATE: **REV 02-23-21**
DRAWING NO.: **CA17-6**



TYPICAL SECTION AT VESSEL DOCKS



TYPICAL SECTION AT MARINE STAGING YARD

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. EXCAVATED MATERIAL AND DEWATERED WASTEWATERS SHALL BE MANAGED IN ACCORDANCE WITH THE ENVIRONMENTAL SPECIAL PROVISIONS AND CTDEEP REQUIREMENTS.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	12.0/14.0	15.98/17.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE 1" = 20' (0, 10, 20)

DRAWN: W. GREGORY

CHECKED: T. ADINOLFI

APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

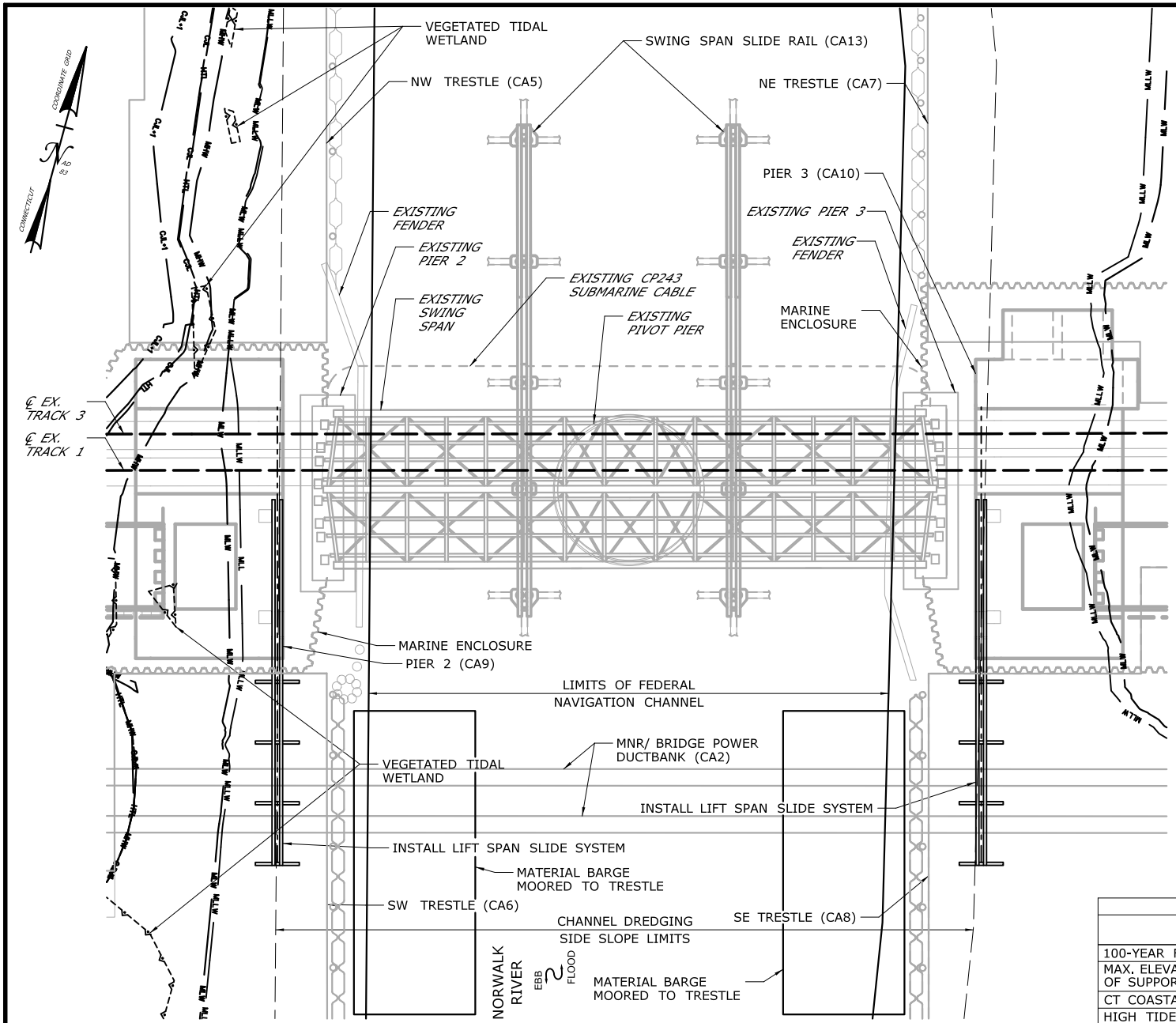
TOWN: **NORWALK**

PROJECT NO.: **0301-0176**

DRAWING TITLE: **ACTIVITY 17 DREDGING OPERATIONS (SHEET 7 OF 7)**

DATE: **REV 02-23-21**

DRAWING NO.: **CA17-7**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL THE LIFT SPANS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
X	INSTALL LIFT SPAN SLIDE SYSTEM ON SW AND SE TRESTLES.
	CLOSE CHANNEL TO NAVIGATION AND MOBILIZE SOUTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
	FLOAT SOUTH LIFT SPAN BETWEEN THE TRESTLES. TRANSFER LIFT SPAN TO SLIDE SYSTEM. RETURN ASSEMBLY BARGE TO MARINE STAGING YARD.
	FOLLOWING SLIDE-OUT OF EXISTING SWING SPAN (ACTIVITY 13), SLIDE LIFT SPAN INTO POSITION AND SET ONTO THE TRUSS BEARINGS.
	PERFORM MISCELLANEOUS STRUCTURAL, TRACK, AND OTHER RAIL SYSTEMS WORK. RESUME SERVICE ON TRACKS 2 AND 4. REOPEN CHANNEL.
	CLOSE CHANNEL TO MARINE TRAFFIC AND MOBILIZE NORTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
	RAISE SOUTH LIFT SPAN, FLOAT NORTH LIFT SPAN THROUGH BRIDGE, ROTATE BARGE TO POSITION FOR FLOAT-IN.
	FLOAT NORTH LIFT SPAN BETWEEN THE PIERS AND SET ONTO THE TRUSS BEARINGS.
	COMPLETE REMAINING WORK TO MAKE LIFT SPAN AND RAIL SYSTEMS FULLY OPERATIONAL. RESUME SERVICE ON TRACKS 1 AND 3. REOPEN CHANNEL.

NOTES:

1. THE SOUTH LIFT SPAN WILL BE FULLY ASSEMBLED ON THE LIFT SPAN ASSEMBLY BARGE AT THE MARINE STAGING YARD AND READY FOR TRANSPORT.
2. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
3. BARGES WILL NOT SIMULTANEOUSLY OCCUPY BOTH NAVIGATION CHANNELS.
4. LIFT SPAN SLIDE SYSTEMS WILL BE ERECTED FROM THE TRESTLES AND WILL BE SUPPORTED ON THE TRESTLES AND LIFT SPAN PIERS.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

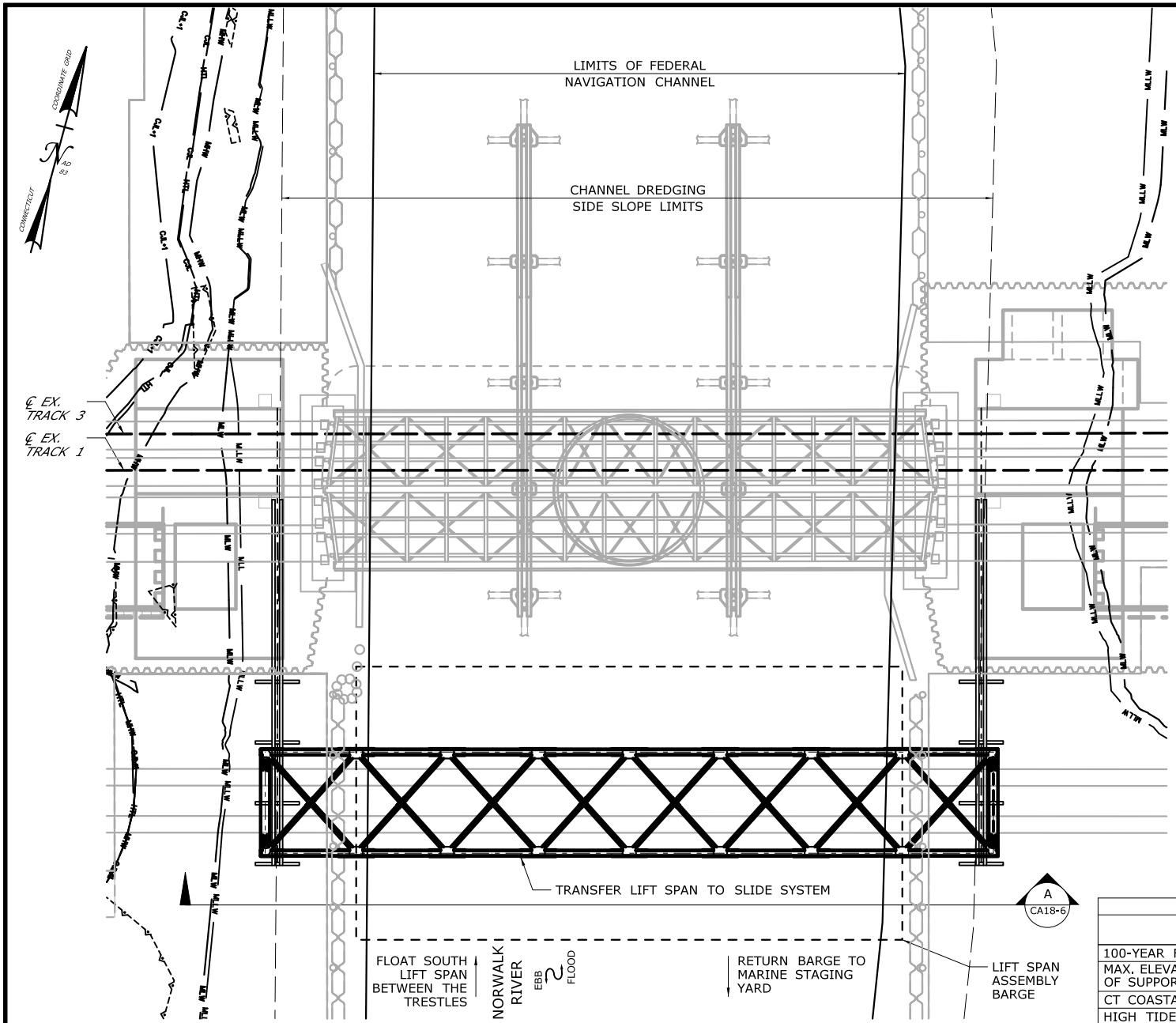
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 18 LIFT SPAN INSTALLATION (1 OF 6)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA18-1**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL THE LIFT SPANS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	INSTALL LIFT SPAN SLIDE SYSTEM ON SW AND SE TRESTLES.
X	CLOSE CHANNEL TO NAVIGATION AND MOBILIZE SOUTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
X	FLOAT SOUTH LIFT SPAN BETWEEN THE TRESTLES. TRANSFER LIFT SPAN TO SLIDE SYSTEM. RETURN ASSEMBLY BARGE TO MARINE STAGING YARD.
	FOLLOWING SLIDE-OUT OF EXISTING SWING SPAN (ACTIVITY 13), SLIDE LIFT SPAN INTO POSITION AND SET ONTO THE TRUSS BEARINGS.
	PERFORM MISCELLANEOUS STRUCTURAL, TRACK, AND OTHER RAIL SYSTEMS WORK. RESUME SERVICE ON TRACKS 2 AND 4. REOPEN CHANNEL.
	CLOSE CHANNEL TO MARINE TRAFFIC AND MOBILIZE NORTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
	RAISE SOUTH LIFT SPAN, FLOAT NORTH LIFT SPAN THROUGH BRIDGE, ROTATE BARGE TO POSITION FOR FLOAT-IN.
	FLOAT NORTH LIFT SPAN BETWEEN THE PIERS AND SET ONTO THE TRUSS BEARINGS.
	COMPLETE REMAINING WORK TO MAKE LIFT SPAN AND RAIL SYSTEMS FULLY OPERATIONAL. RESUME SERVICE ON TRACKS 1 AND 3. REOPEN CHANEL.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. PRIOR TO SLIDING INTO PLACE, THE LIFT SPAN WILL BE OUTFITTED WITH ALL STRUCTURAL, TRACK AND OCS ELEMENTS THAT CAN BE INSTALLED WITHOUT OBSTRUCTING THE INSTALLATION.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

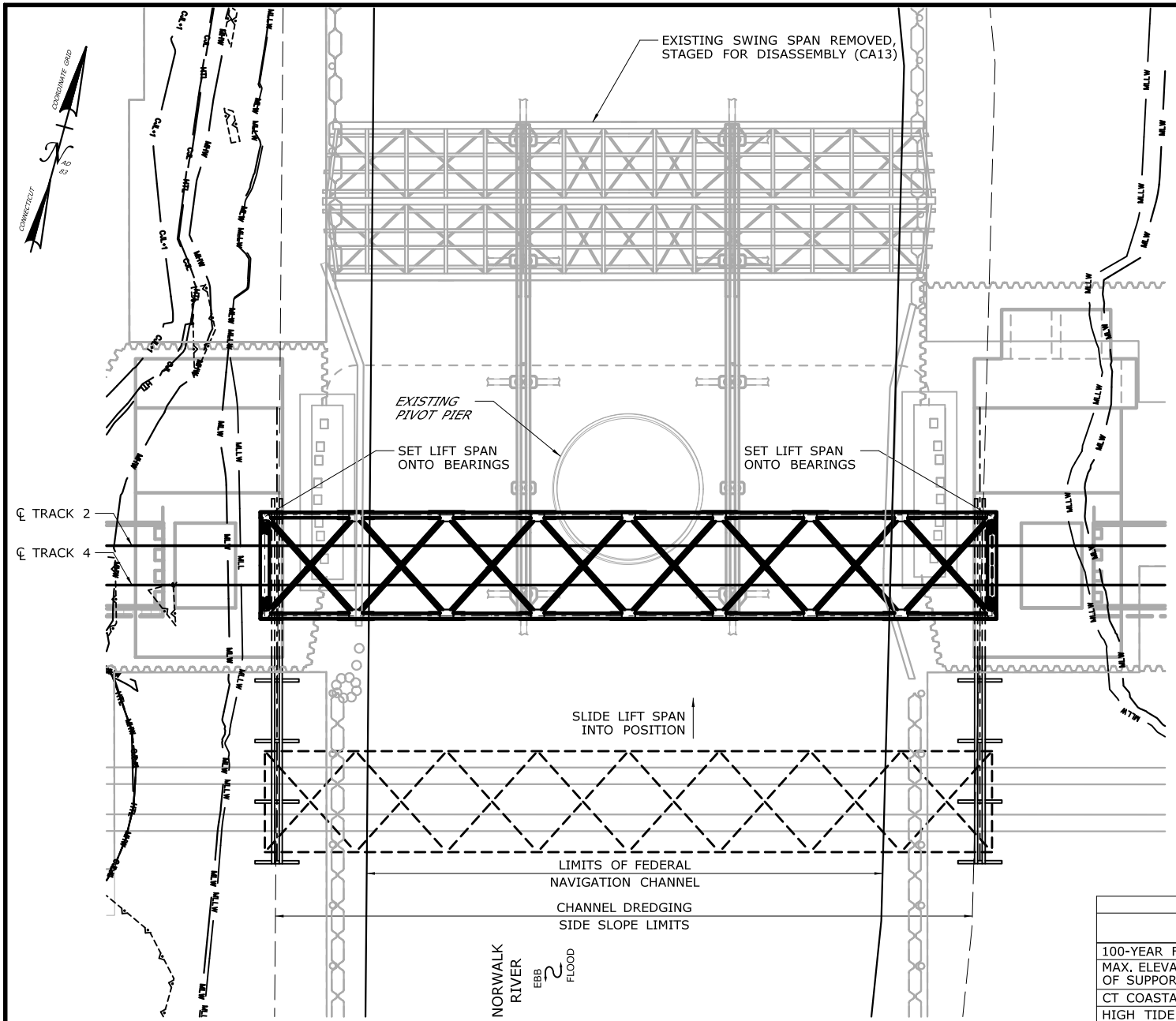
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 18 LIFT SPAN INSTALLATION (2 OF 6)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA18-2**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL THE LIFT SPANS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	INSTALL LIFT SPAN SLIDE SYSTEM ON SW AND SE TRESTLES.
	CLOSE CHANNEL TO NAVIGATION AND MOBILIZE SOUTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
	FLOAT SOUTH LIFT SPAN BETWEEN THE TRESTLES. TRANSFER LIFT SPAN TO SLIDE SYSTEM. RETURN ASSEMBLY BARGE TO MARINE STAGING YARD.
X	FOLLOWING SLIDE-OUT OF EXISTING SWING SPAN (ACTIVITY 13), SLIDE LIFT SPAN INTO POSITION AND SET ONTO THE TRUSS BEARINGS.
X	PERFORM MISCELLANEOUS STRUCTURAL, TRACK, AND OTHER RAIL SYSTEMS WORK. RESUME SERVICE ON TRACKS 2 AND 4. REOPEN CHANNEL.
	CLOSE CHANNEL TO MARINE TRAFFIC AND MOBILIZE NORTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
	RAISE SOUTH LIFT SPAN, FLOAT NORTH LIFT SPAN THROUGH BRIDGE, ROTATE BARGE TO POSITION FOR FLOAT-IN.
	FLOAT NORTH LIFT SPAN BETWEEN THE PIERS AND SET ONTO THE TRUSS BEARINGS.
	COMPLETE REMAINING WORK TO MAKE LIFT SPAN AND RAIL SYSTEMS FULLY OPERATIONAL. RESUME SERVICE ON TRACKS 1 AND 3. REOPEN CHANNEL.

NOTES:

1. WORK DEPICTED ON THIS SHEET WILL BE PERFORMED DURING A SHORT-DURATION FOUR-TRACK OUTAGE.
2. POST-INSTALLATION STRUCTURAL, TRACK, OCS AND RAIL SYSTEMS WORK REQUIRED TO RESUME TRAIN SERVICE WILL BE PERFORMED WITHIN THE FOUR-TRACK OUTAGE.
3. THE SOUTH LIFT SPAN IS NOT ANTICIPATED TO BE OPERATIONAL AS A MOVABLE SPAN WHEN TRAIN TRAFFIC RESUMES ON TRACKS 2 AND 4.
4. THE CHANNEL WILL REMAIN CLOSED TO NAVIGATION FOLLOWING THIS WORK AS SWING SPAN REMOVAL (ACTIVITY 13) CONTINUES.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

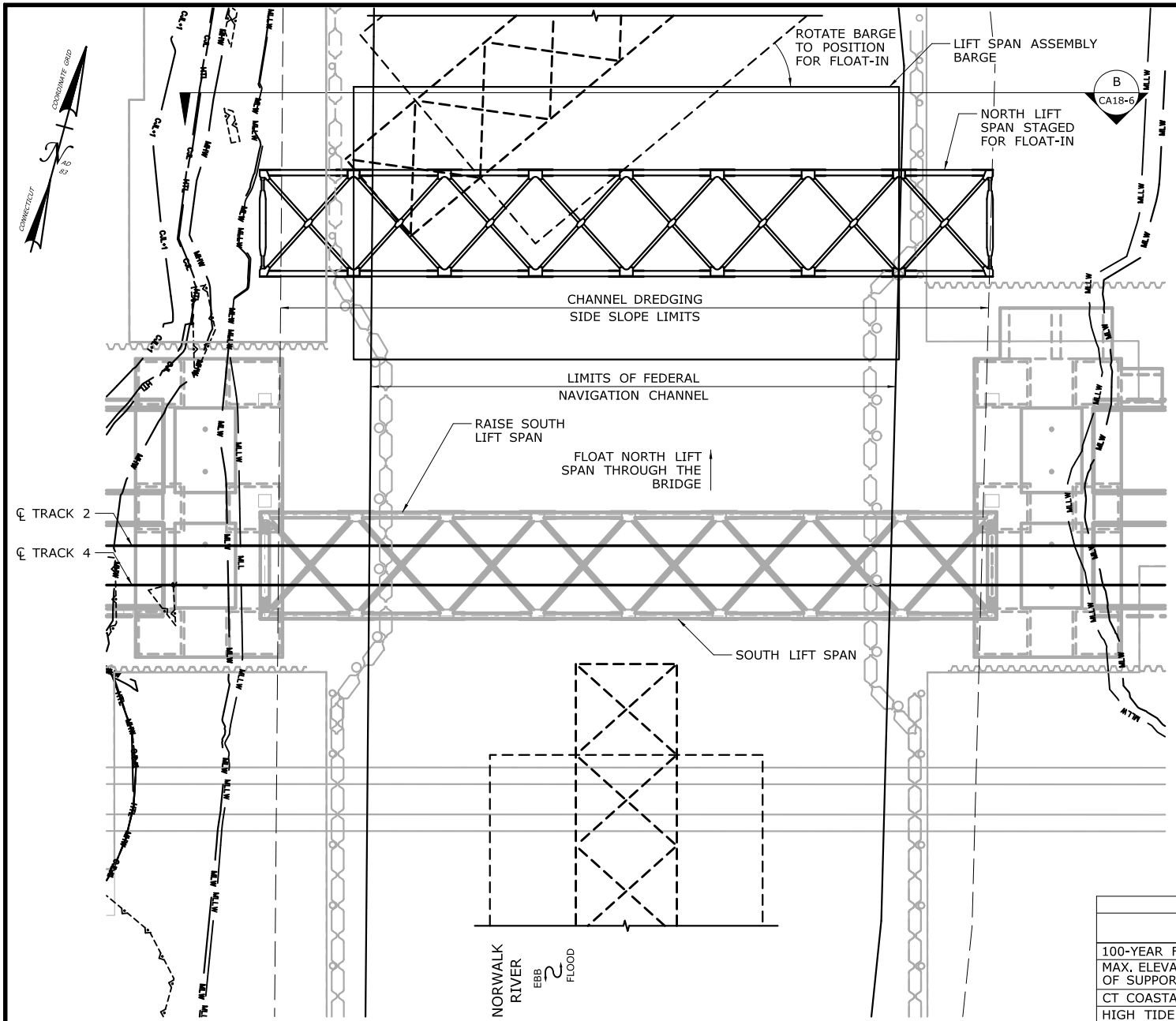
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 18 LIFT SPAN INSTALLATION (3 OF 6)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA18-3**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL THE LIFT SPANS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	INSTALL LIFT SPAN SLIDE SYSTEM ON SW AND SE TRESTLES.
	CLOSE CHANNEL TO NAVIGATION AND MOBILIZE SOUTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
	FLOAT SOUTH LIFT SPAN BETWEEN THE TRESTLES. TRANSFER LIFT SPAN TO SLIDE SYSTEM. RETURN ASSEMBLY BARGE TO MARINE STAGING YARD.
	FOLLOWING SLIDE-OUT OF EXISTING SWING SPAN (ACTIVITY 13), SLIDE LIFT SPAN INTO POSITION AND SET ONTO THE TRUSS BEARINGS.
	PERFORM MISCELLANEOUS STRUCTURAL, TRACK, AND OTHER RAIL SYSTEMS WORK. RESUME SERVICE ON TRACKS 2 AND 4. REOPEN CHANNEL.
X	CLOSE CHANNEL TO MARINE TRAFFIC AND MOBILIZE NORTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
X	RAISE SOUTH LIFT SPAN, FLOAT NORTH LIFT SPAN THROUGH BRIDGE, ROTATE BARGE TO POSITION FOR FLOAT-IN.
	FLOAT NORTH LIFT SPAN BETWEEN THE PIERS AND SET ONTO THE TRUSS BEARINGS.
	COMPLETE REMAINING WORK TO MAKE LIFT SPAN AND RAIL SYSTEMS FULLY OPERATIONAL. RESUME SERVICE ON TRACKS 1 AND 3. REOPEN CHANNEL.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. BARGE WILL BE MOORED TO MOORING PILES AT THE TRESTLES.
3. PRIOR TO FLOATING INTO POSITION, THE LIFT SPAN WILL BE OUTFITTED WITH ALL STRUCTURAL, TRACK AND OCS ELEMENTS THAT CAN BE INSTALLED WITHOUT OBSTRUCTING THE INSTALLATION.
4. BARGE MOVEMENT THROUGH THE BRIDGE WILL BE COORDINATED WITH THE TIDE TO ENSURE ADEQUATE CLEARANCE BENEATH THE SOUTH LIFT SPAN IN THE OPEN POSITION.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 25 50
SCALE 1"=50'

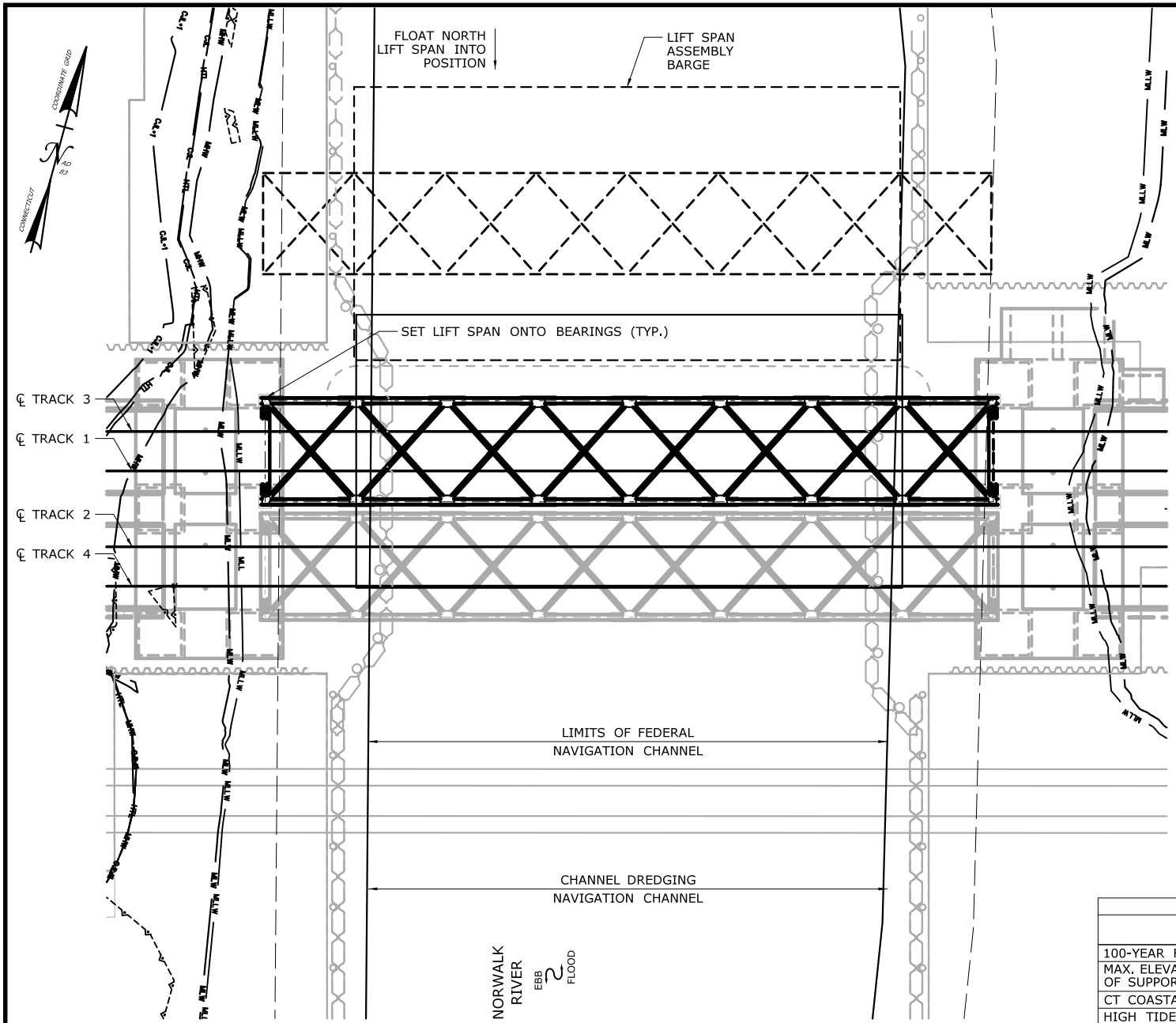
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 18 LIFT SPAN INSTALLATION (4 OF 6)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA18-4**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL THE LIFT SPANS WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	INSTALL LIFT SPAN SLIDE SYSTEM ON SW AND SE TRESTLES.
	CLOSE CHANNEL TO NAVIGATION AND MOBILIZE SOUTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
	FLOAT SOUTH LIFT SPAN BETWEEN THE TRESTLES. TRANSFER LIFT SPAN TO SLIDE SYSTEM. RETURN ASSEMBLY BARGE TO MARINE STAGING YARD.
	FOLLOWING SLIDE-OUT OF EXISTING SWING SPAN (ACTIVITY 13), SLIDE LIFT SPAN INTO POSITION AND SET ONTO THE TRUSS BEARINGS.
	PERFORM MISCELLANEOUS STRUCTURAL, TRACK, AND OTHER RAIL SYSTEMS WORK. RESUME SERVICE ON TRACKS 2 AND 4. REOPEN CHANNEL.
	CLOSE CHANNEL TO MARINE TRAFFIC AND MOBILIZE NORTH LIFT SPAN ASSEMBLY BARGE AT MARINE STAGING YARD.
	RAISE SOUTH LIFT SPAN, FLOAT NORTH LIFT SPAN THROUGH BRIDGE, ROTATE BARGE TO POSITION FOR FLOAT-IN.
X	FLOAT NORTH LIFT SPAN BETWEEN THE PIERS AND SET ONTO THE TRUSS BEARINGS.
X	COMPLETE REMAINING WORK TO MAKE LIFT SPAN AND RAIL SYSTEMS FULLY OPERATIONAL. RESUME SERVICE ON TRACKS 1 AND 3. REOPEN CHANNEL.

NOTES:

1. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.
2. FLOAT-IN INSTALLATION WILL BE PERFORMED DURING SLACK TIDE.
3. POST-INSTALLATION WORK PRIOR TO RESUMING TRAIN SERVICE ON TRACKS 1 AND 3 WILL INCLUDE ALL STRUCTURAL, MECHANICAL, ELECTRICAL, TRACK, OCS AND RAIL SYSTEMS WORK REQUIRED FOR BOTH SPANS TO BE FULLY OPERATIONAL AS A MOVABLE RAILROAD BRIDGE.
4. THE LIFT SPAN ASSEMBLY BARGE WILL BE REMOVED FROM THE SITE FOLLOWING NORTH LIFT SPAN INSTALLATION.

ELEVATION TABLE

DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE IN FEET 0 25 50 SCALE 1"=50'

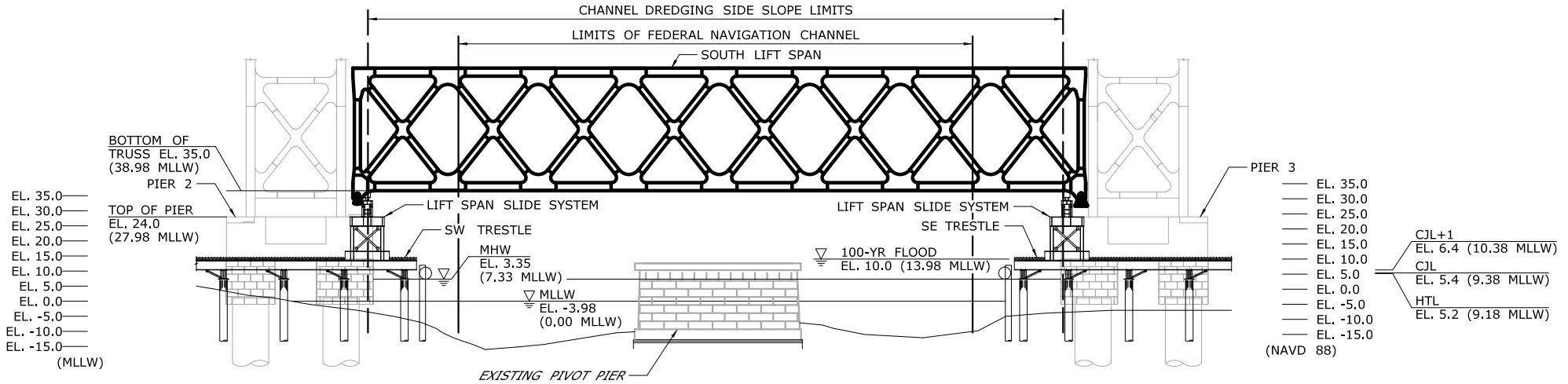
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

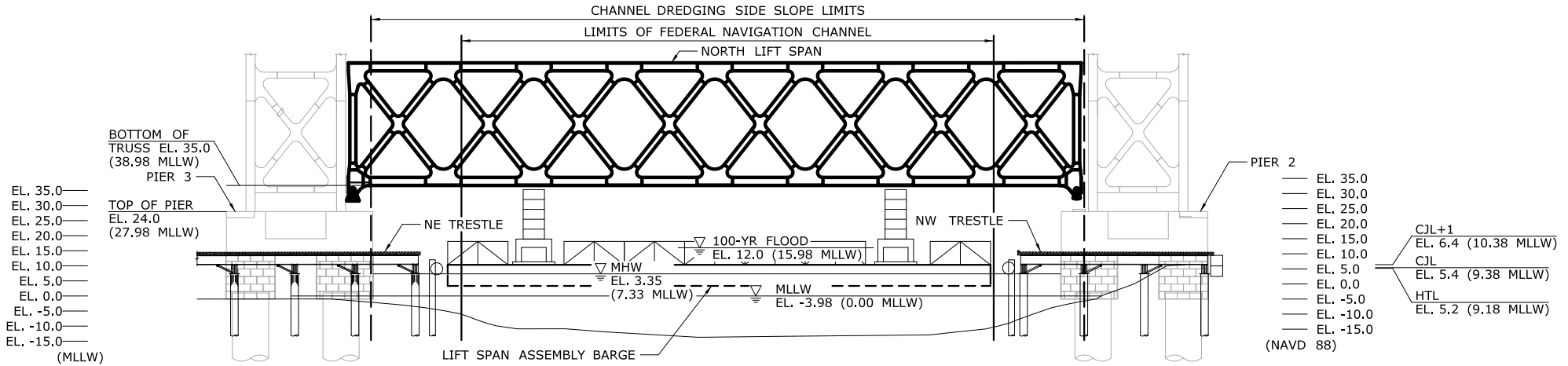
PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 18 LIFT SPAN INSTALLATION (5 OF 6)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA18-5**



VIEW A CA18-2

(EXISTING SWING SPAN AND SLIDE RAILS NOT SHOWN FOR CLARITY)



VIEW B CA18-4

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. THE 100-YEAR FLOOD ELEVATION VARIES THROUGHOUT THE SITE. WITHIN THE RIVER, IT IS DEFINED AS EL. 12 (15.98 MLLW) AND EL. 10 (13.98 MLLW) DOWNSTREAM AND UPSTREAM OF THE BRIDGE RESPECTIVELY. SEE FLOOD ZONE MAP (DWG. GEN-6) FOR ADDITIONAL INFORMATION.
3. FOR TRESTLE ELEVATIONS, SEE CA5, CA6, CA7, AND CA8.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	10.0/12.0	13.98/15.98
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: SCALE IN FEET 0 25 50 SCALE 1"=50'

DRAWN: T. ADINOLFI

CHECKED: V. ROBBINS

APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

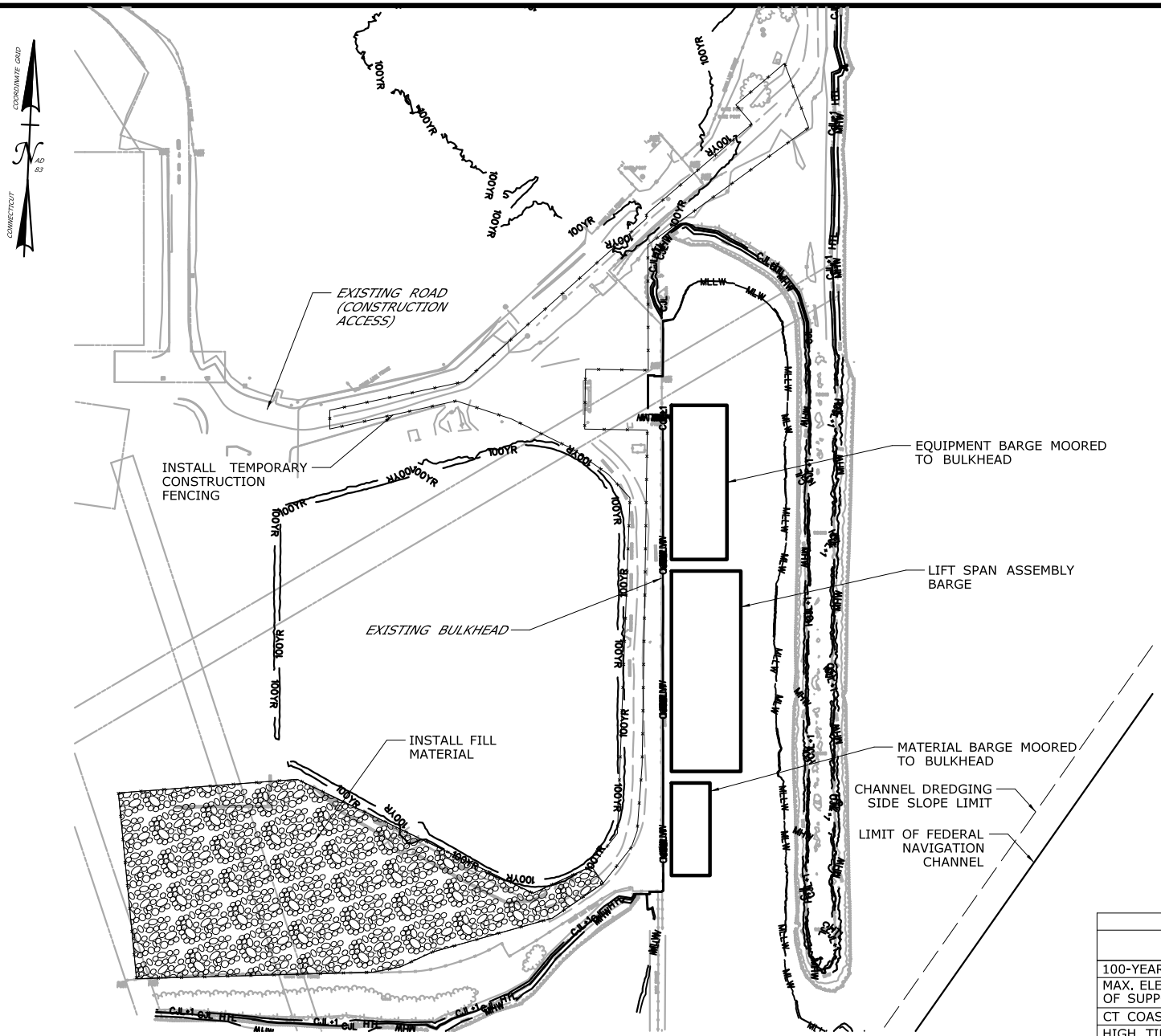
TOWN: **NORWALK**

PROJECT NO.: **0301-0176**

DRAWING TITLE: **ACTIVITY 18 LIFT SPAN INSTALLATION (6 OF 6)**

DATE: **REV 7-31-20**

DRAWING NO.: **CA18-6**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL TEMPORARY CONSTRUCTION FENCING AND SOIL MATERIAL WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
X	INSTALL TEMPORARY CONSTRUCTION FENCING AROUND THE SITE.
X	INSTALL FILL MATERIAL IN THE DESIGNATED AREA OF THE SITE.
	REMOVE TEMPORARY CONSTRUCTION FENCING AROUND THE SITE. REMOVE FILL MATERIAL.

NOTES:

1. THIS ACTIVITY IS CONTAINED ENTIRELY WITHIN THE 100-YEAR FLOODPLAN.
2. NO FILL SHALL BE PLACED BELOW THE CJL.
3. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
4. SEE VESSEL BERTHING PLAN (DWG. GEN-9) FOR TYPICAL BARGE SIZES.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	VARIES	VARIES
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 100 200
SCALE 1"=200'

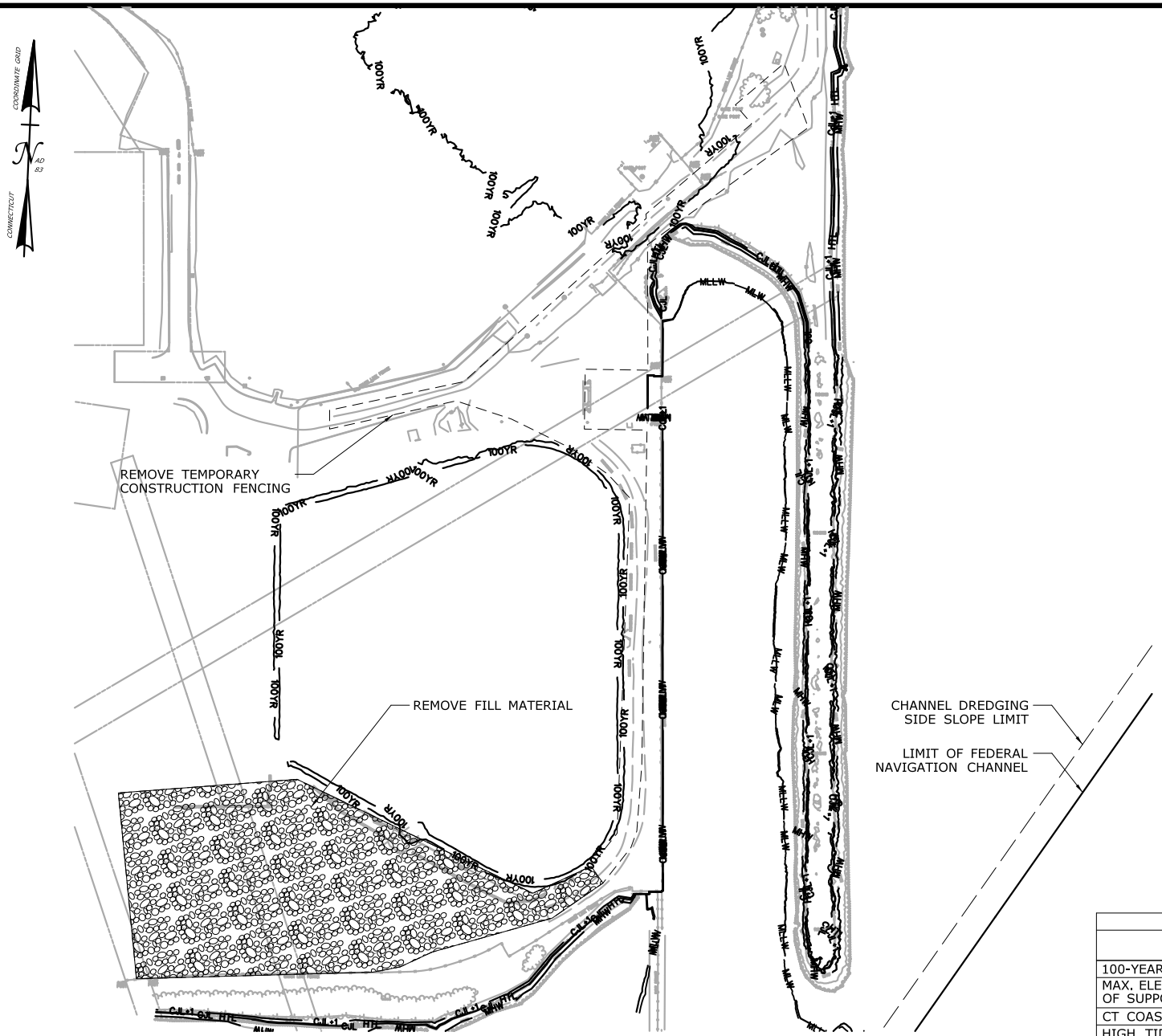
DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 19 MANRESA ISLAND (SHEET 1 OF 3)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA19-1**



PLAN

CONSTRUCTION SEQUENCE

THE SHEETS IN THIS SUBSET DESCRIBE THE SEQUENCE OF ACTIVITIES REQUIRED TO INSTALL TEMPORARY CONSTRUCTION FENCING AND SOIL MATERIAL WITH REFERENCES TO RELATED ACTIVITIES THROUGHOUT. FOR DETAILS OF RELATED ACTIVITIES, REFER TO THE SUBSETS NOTED IN PARENTHESES. WORK DEPICTED ON THIS SHEET IS IDENTIFIED WITH AN "X" IN THE TABLE.

	WORK DESCRIPTION
	INSTALL TEMPORARY CONSTRUCTION FENCING AROUND THE SITE.
	INSTALL FILL MATERIAL IN THE DESIGNATED AREA OF THE SITE.
X	REMOVE TEMPORARY CONSTRUCTION FENCING AROUND THE SITE. REMOVE FILL MATERIAL.

NOTES:

1. THIS ACTIVITY IS CONTAINED ENTIRELY WITHIN THE 100-YEAR FLOODPLAN.
2. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	VARIES	VARIES
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE:
SCALE IN FEET
0 100 200
SCALE 1"=200'

DRAWN: T. ADINOLFI
CHECKED: V. ROBBINS
APPROVED: C. BROWN

SIGNATURE BLOCK:

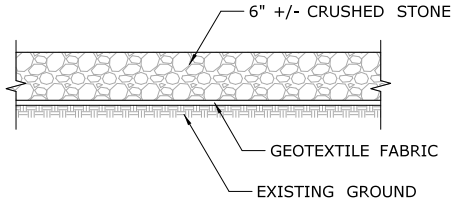
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**
PROJECT NO.: **0301-0176**
DRAWING TITLE: **ACTIVITY 19 MANRESA ISLAND (SHEET 2 OF 3)**
DATE: **REV 7-31-20**
DRAWING NO.: **CA19-2**

NOTES:

1. VERTICAL DATUM IS NAVD 88. ELEVATIONS RELATIVE TO MLLW TIDAL DATUM ARE SHOWN IN PARENTHESES.
2. THE 100-YEAR FLOODPLAIN ELEVATION VARIES THROUGHOUT THE SITE. SEE FLOOD ZONE MAP (DWG. GEN-6A FOR ELEVATION VALUES AND LIMITS OF APPLICABILITY.



TYPICAL FILL SECTION

NOT TO SCALE

ELEVATION TABLE			
DESCRIPTION	CONTOUR	ELEVATION (NAVD88)	ELEVATION (MLLW)
100-YEAR FLOODPLAIN	100 YR	VARIES	VARIES
MAX. ELEVATION OF LAND CAPABLE OF SUPPORTING TIDAL VEGETATION	CJL+1	6.4	10.38
CT COASTAL JURISDICTION LINE	CJL	5.4	9.38
HIGH TIDE LINE	HTL	5.2	9.18
MEAN HIGH WATER LINE	MHW	3.35	7.33
MEAN LOW WATER LINE	MLW	-3.72	0.26
MEAN LOWER LOW WATER LINE	MLLW	-3.98	0

SCALE: NOT TO SCALE

DRAWN: T. ADINOLFI

CHECKED: V. ROBBINS

APPROVED: C. BROWN

SIGNATURE BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
WALK BRIDGE REPLACEMENT OVER THE NORWALK RIVER BRIDGE NO. 04288R/MP 41.5

TOWN: **NORWALK**

PROJECT NO.: **0301-0176**

DRAWING TITLE: **ACTIVITY 19 MANRESA ISLAND (SHEET 3 OF 3)**

DATE: **REV 7-31-20**

DRAWING NO.: **CA19-3**