

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

Waterbody:
TUTTLE BROOK
MORRIS CREEK
NEW HAVEN, CT.

City:
NEW HAVEN

County:
NEW HAVEN

Date:
January, 2006

**NEW TIDAL CHANNELS
DEAN ST. MITIGATION
AREA GEOMETRY PLAN**

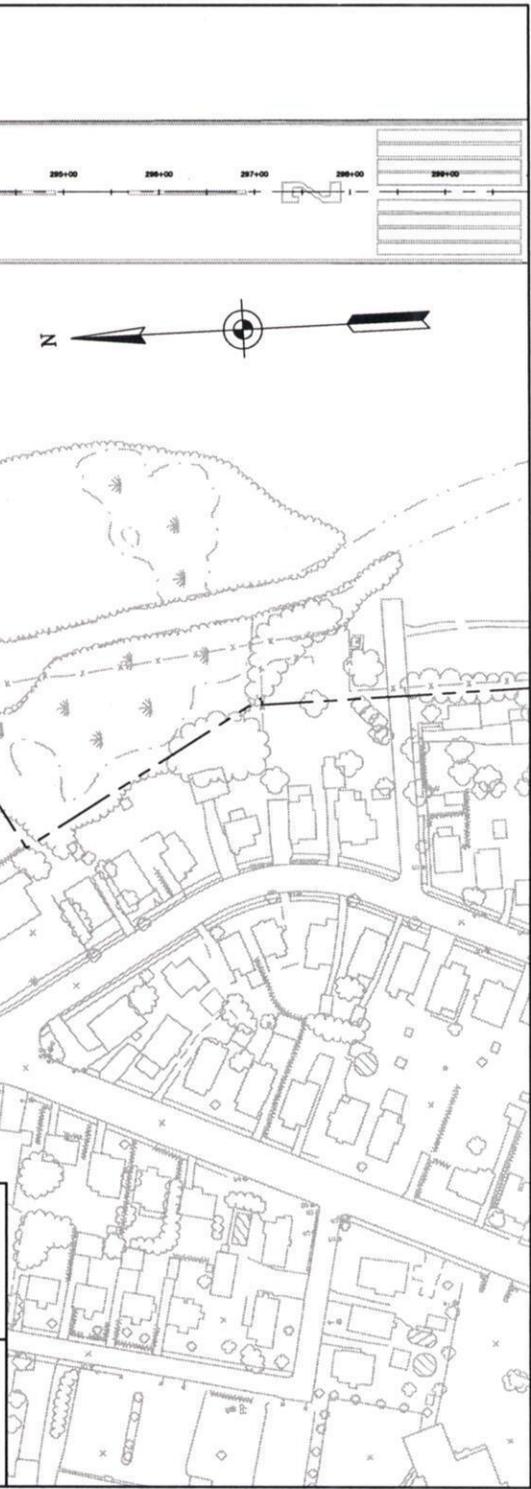
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1"=200'

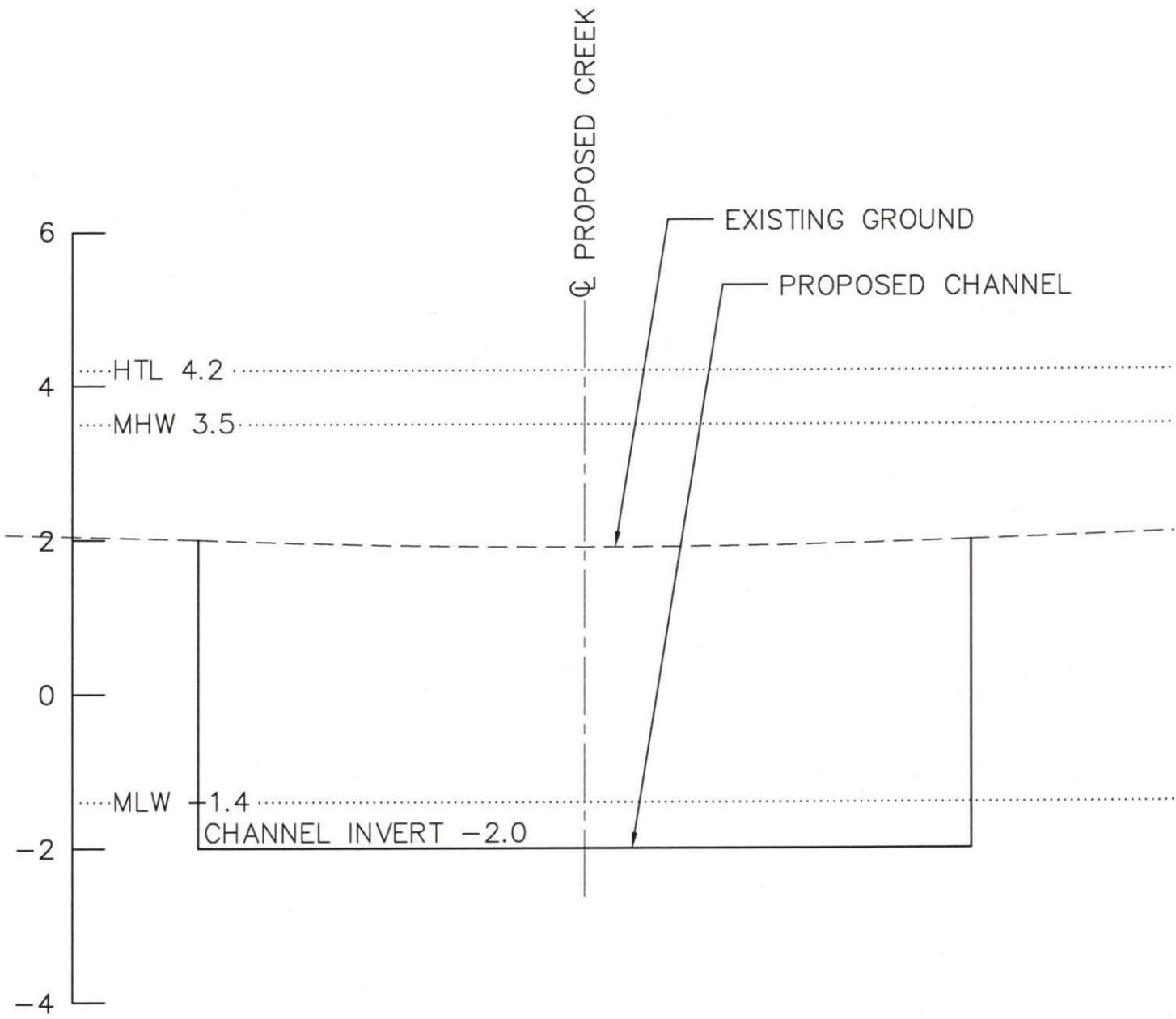
**RUNWAY SAFETY AREA AND
TAXIWAY IMPROVEMENTS PROGRAM
TWEED-NEW HAVEN AIRPORT**

HGA
Consulting Engineers
(603) 669-5555

DRAWING NO.
WM-12



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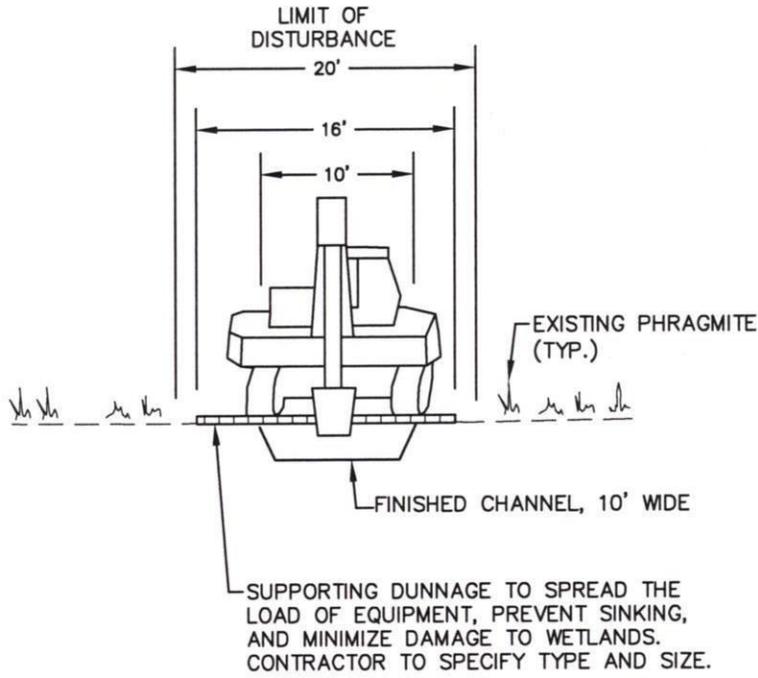


SECTION A-A PROPOSED CHANNEL

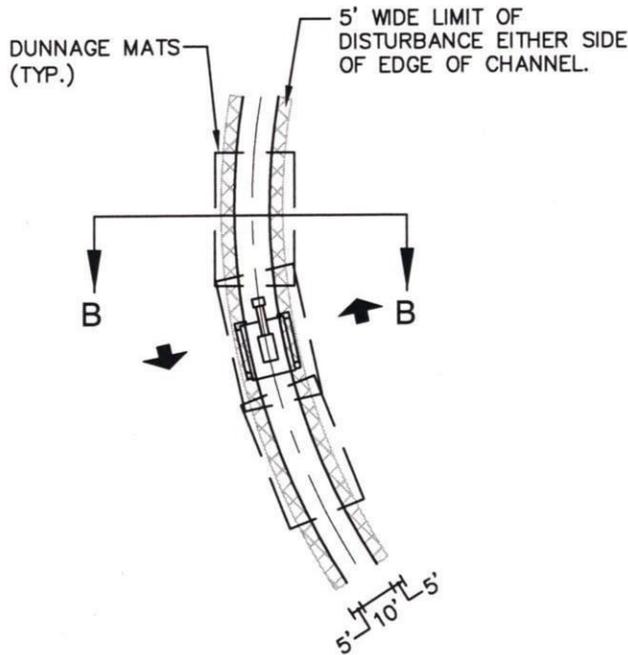
SCALE: 1"=2'

HTL=HIGH TIDE LINE
 MHW=MEAN HIGH WATER
 MLW= MEAN LOW WATER
 DATUM=NGVD

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY		NEW TIDAL CHANNEL CROSS SECTION TYPICAL SECTION A-A		RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK	City: NEW HAVEN, CT.			HGA Consulting Engineers (603) 669-5555	DRAWING NO. WM-13
County: NEW HAVEN	Date: January, 2006				



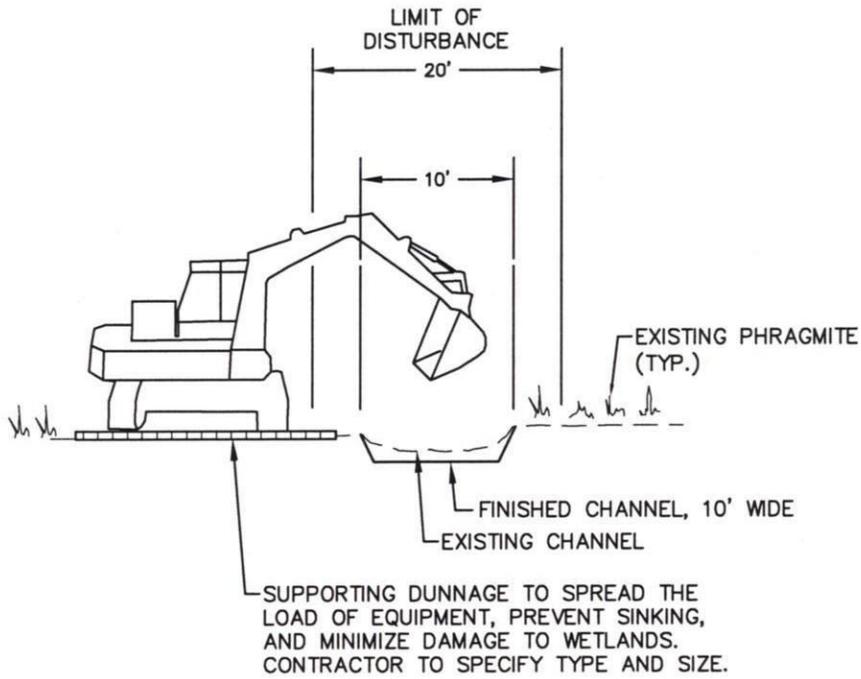
SECTION B-B
NOT TO SCALE



NEW FINGER CHANNEL DETAIL
PLAN VIEW
NOT TO SCALE

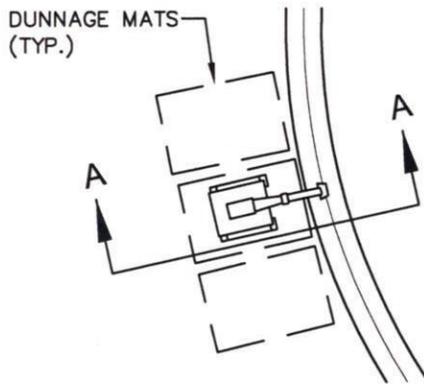
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Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	CHANNEL CONSTRUCTION CONCEPT DETAILS	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		 Consulting Engineers (603) 669-5555	DRAWING NO. WM-14



SECTION A-A

NOT TO SCALE



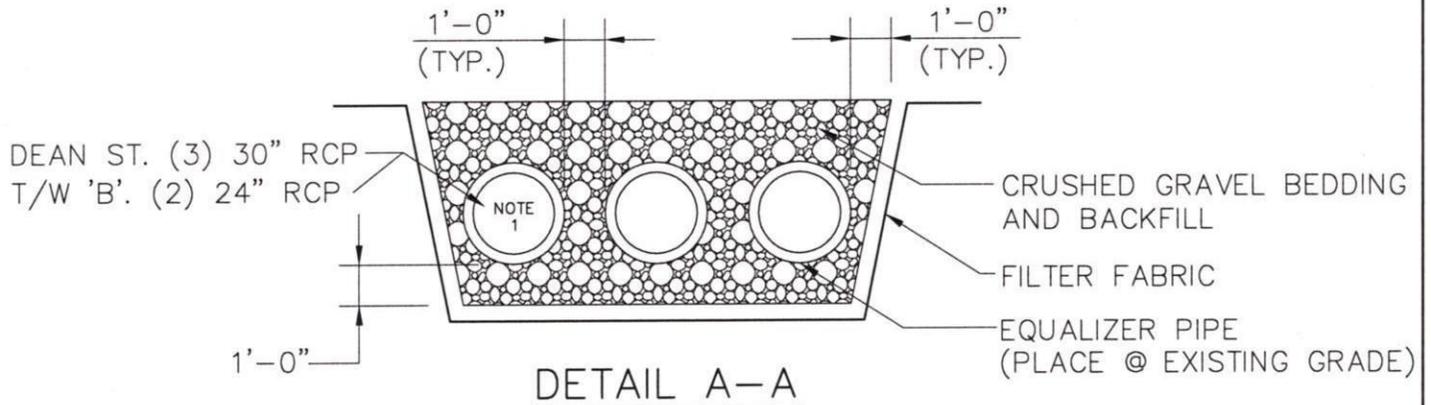
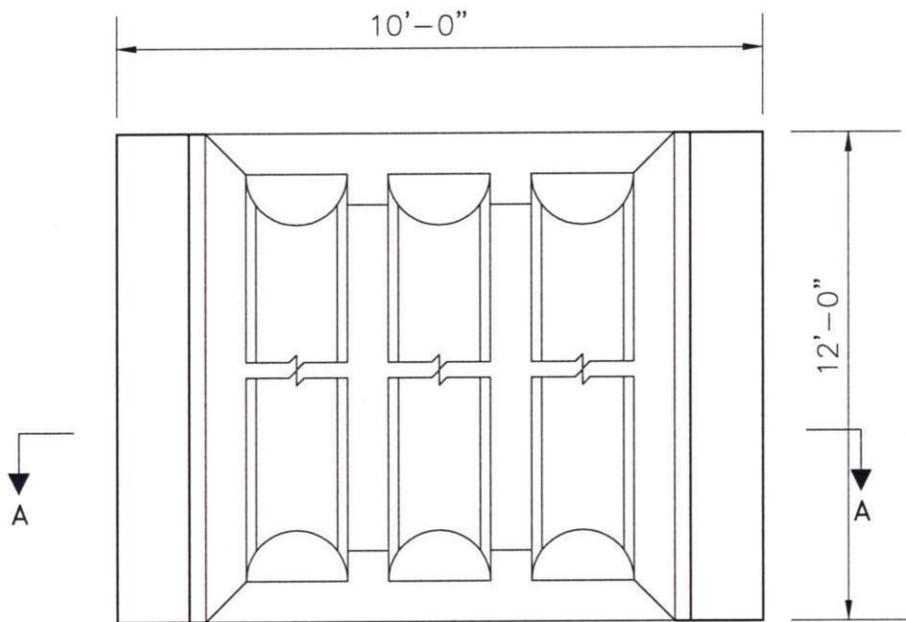
CHANNEL REHABILITATION DETAIL

PLAN VIEW

NOT TO SCALE

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Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	CHANNEL CONSTRUCTION CONCEPT DETAILS	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		 Consulting Engineers (603) 669-5555	DRAWING NO. WM-15



FINGER CHANNEL & TEMP. HAUL ROAD CROSSING DETAIL

NOT TO SCALE

- NOTE 1) - FOR THE 5 TEMPORARY FINGER CHANNEL CULVERT CROSSINGS ALONG DEAN ST. INSTALL 3- 30" RCP'S
- FOR THE T/W 'B' HAUL ROAD CULVERT CROSSING INSTALL 2-24" RCP'S

Application by:
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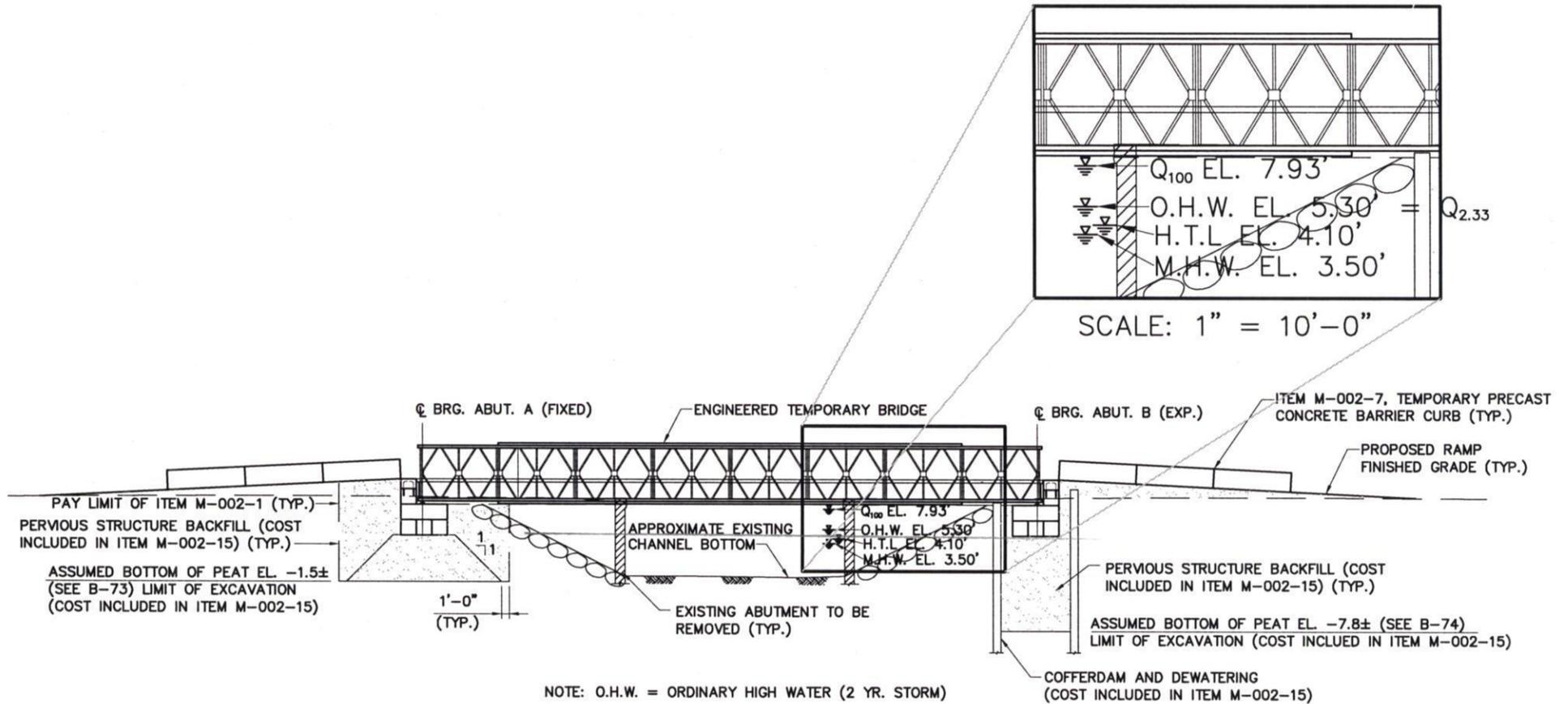
FINGER CHANNEL & TEMP HAUL ROAD CROSSING DETAIL

RUNWAY SAFETY AREA AND
TAXIWAY IMPROVEMENTS PROGRAM
TWEED-NEW HAVEN AIRPORT

Waterbody: TUTTLE BROOK
MORRIS CREEK
City: NEW HAVEN, CT.
County: NEW HAVEN
Date: November, 2005

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DRAWING NO.
WM-16.1

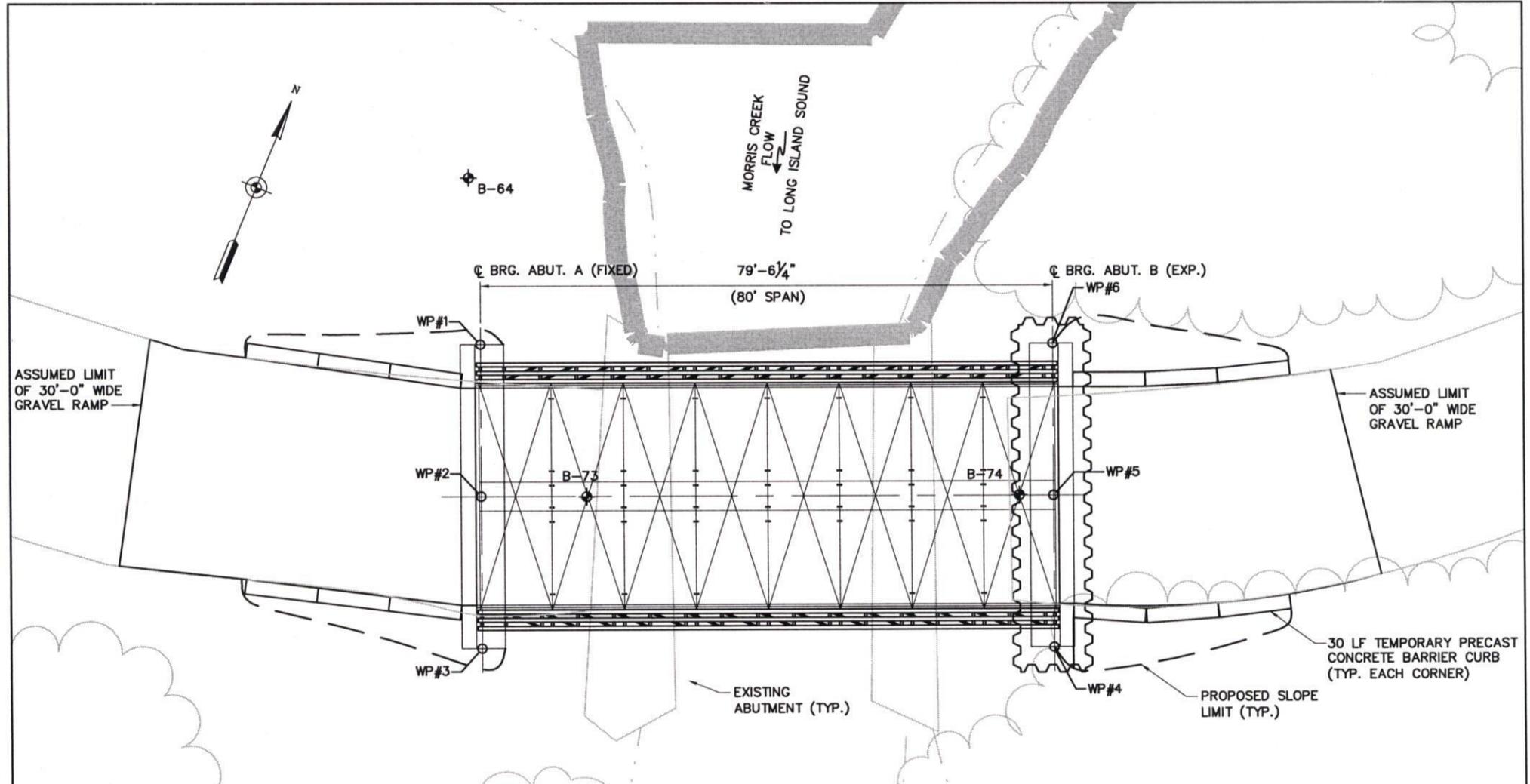


SCALE: 1" = 10'-0"

ELEVATION (TEMPORARY BRIDGE NO.1)

SCALE: 1" = 20'-0"

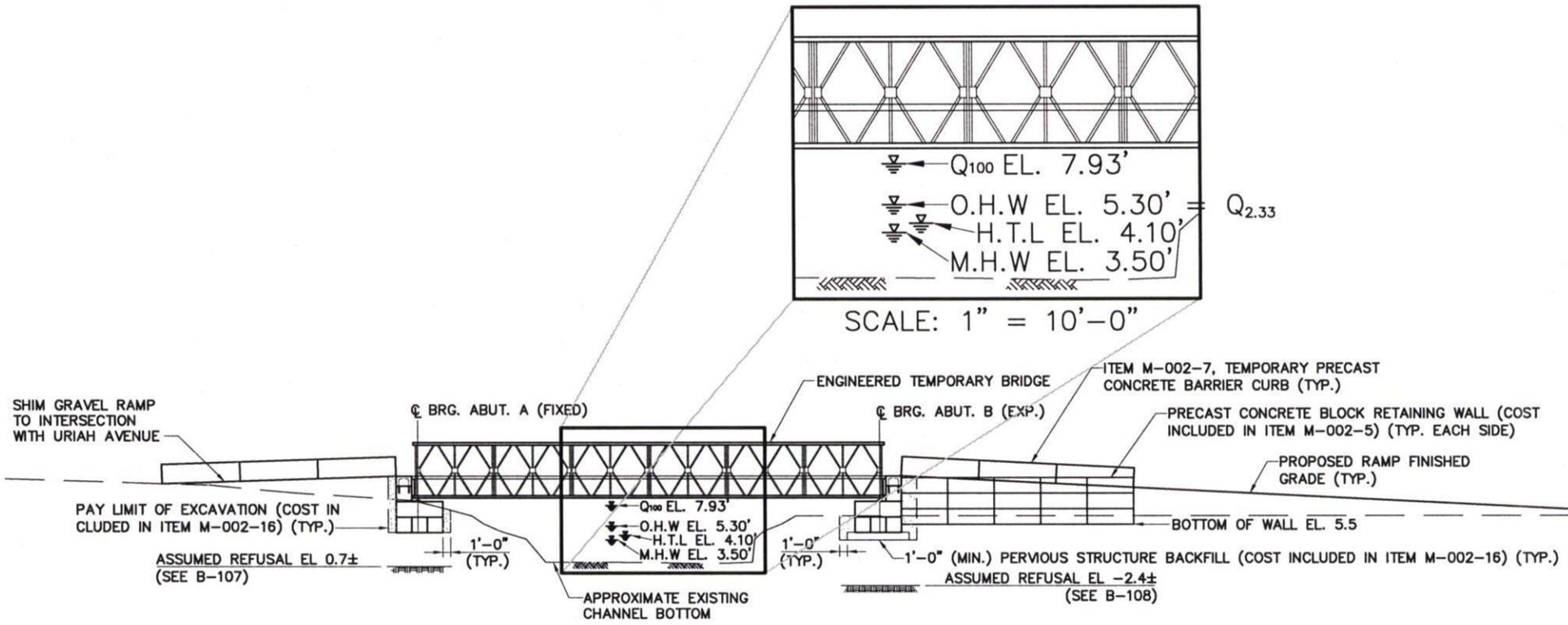
Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	TEMPORARY BRIDGE #1 ELEVATION	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		HGA Consulting Engineers (603) 669-5555	DRAWING NO. WM-17.1



GENERAL PLAN (TEMPORARY BRIDGE NO.1)

SCALE: 1" = 20'-0"

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	TEMPORARY BRIDGE #1 GENERAL PLAN	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		HGA Consulting Engineers (603) 669-5555	DRAWING NO. WM-18

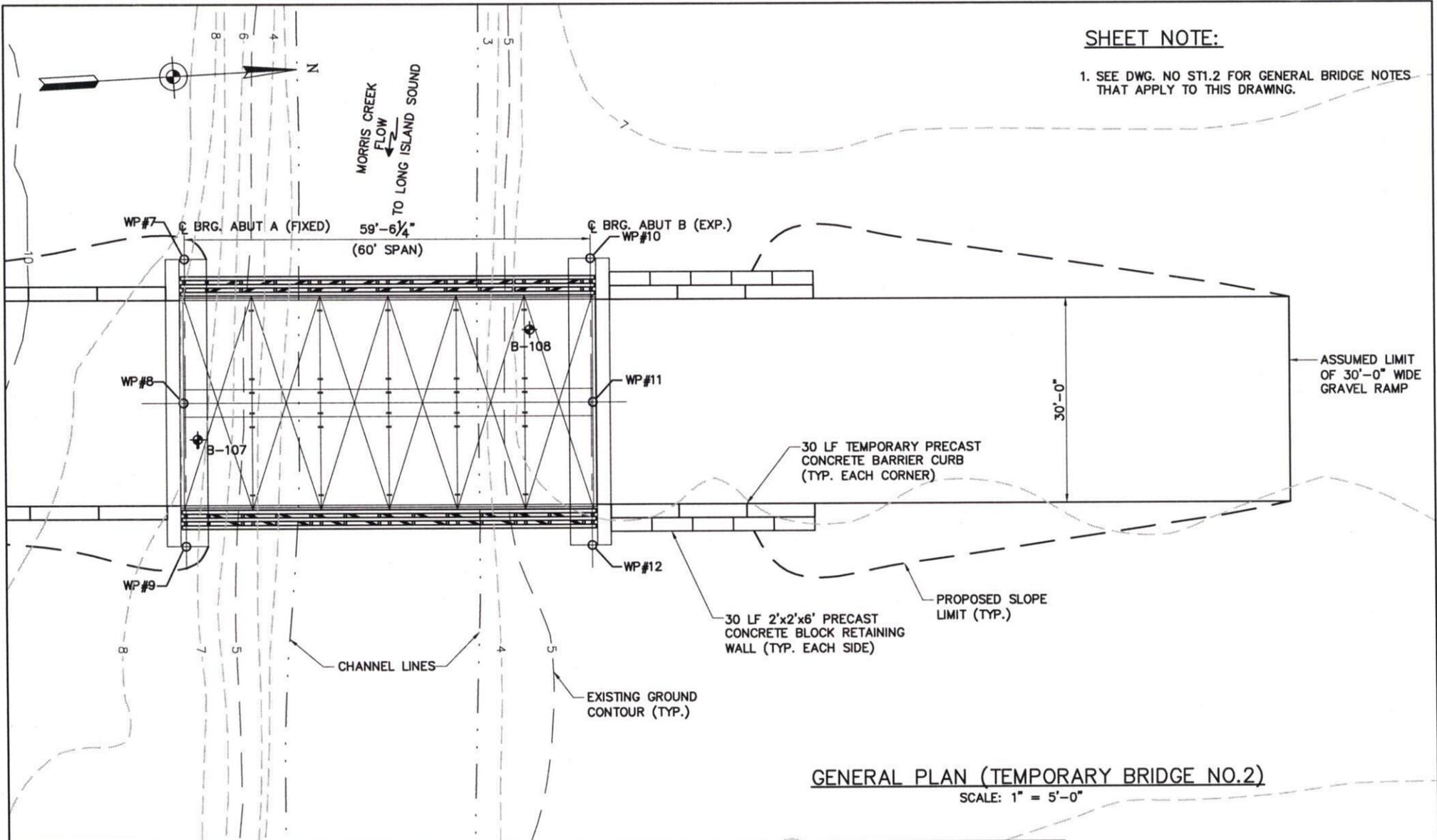


ELEVATION (TEMPORARY BRIDGE NO.2)
SCALE: 1" = 5'-0"

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	TEMPORARY BRIDGE #2 ELEVATION	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		 Consulting Engineers (603) 669-5555	DRAWING NO. WM-19.1

SHEET NOTE:

1. SEE DWG. NO ST1.2 FOR GENERAL BRIDGE NOTES THAT APPLY TO THIS DRAWING.



GENERAL PLAN (TEMPORARY BRIDGE NO.2)

SCALE: 1" = 5'-0"

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

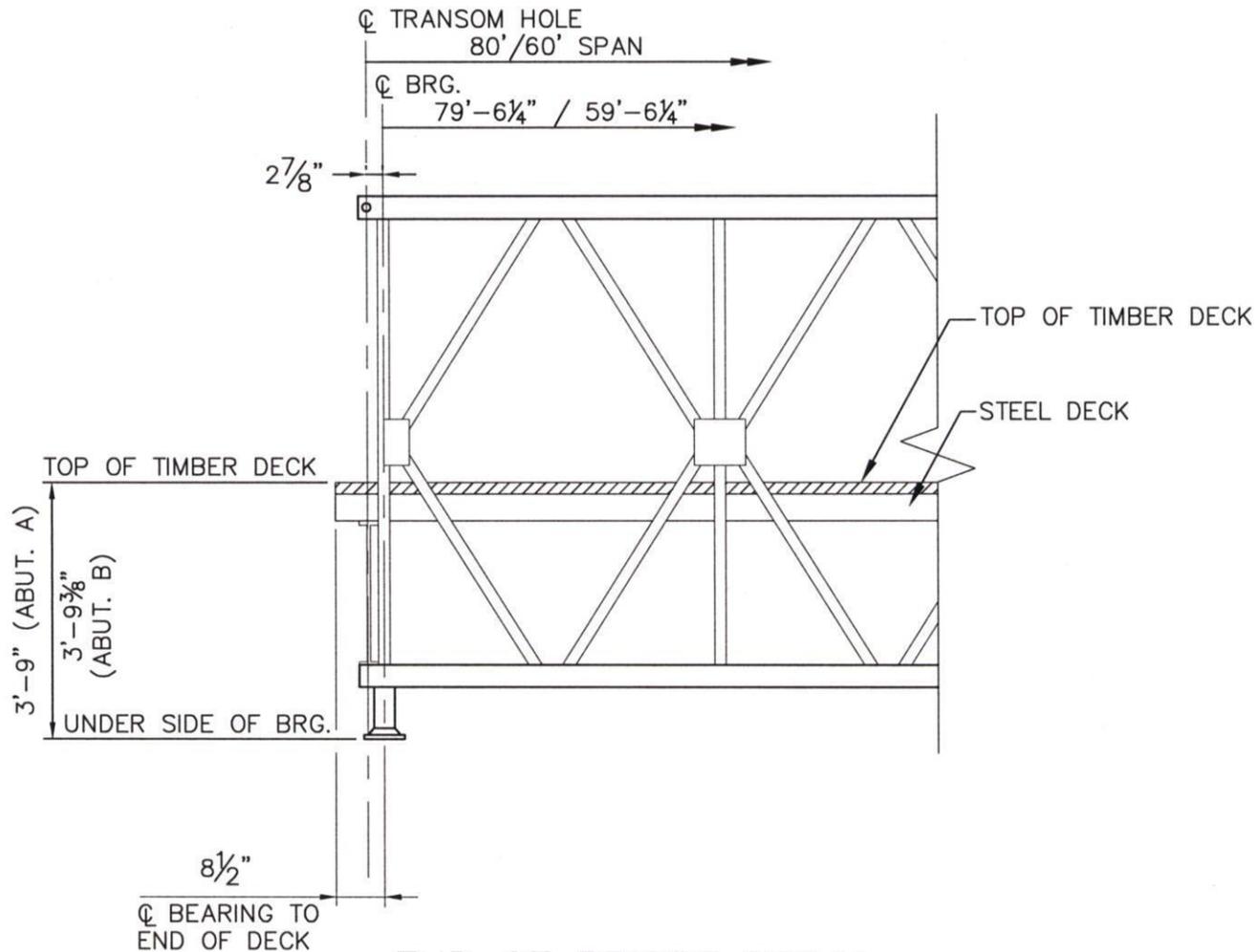
**TEMPORARY BRIDGE #2
GENERAL PLAN**

RUNWAY SAFETY AREA AND
TAXIWAY IMPROVEMENTS PROGRAM
TWEED-NEW HAVEN AIRPORT

Waterbody: TUTTLE BROOK
MORRIS CREEK
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County: NEW HAVEN
Date: January, 2006

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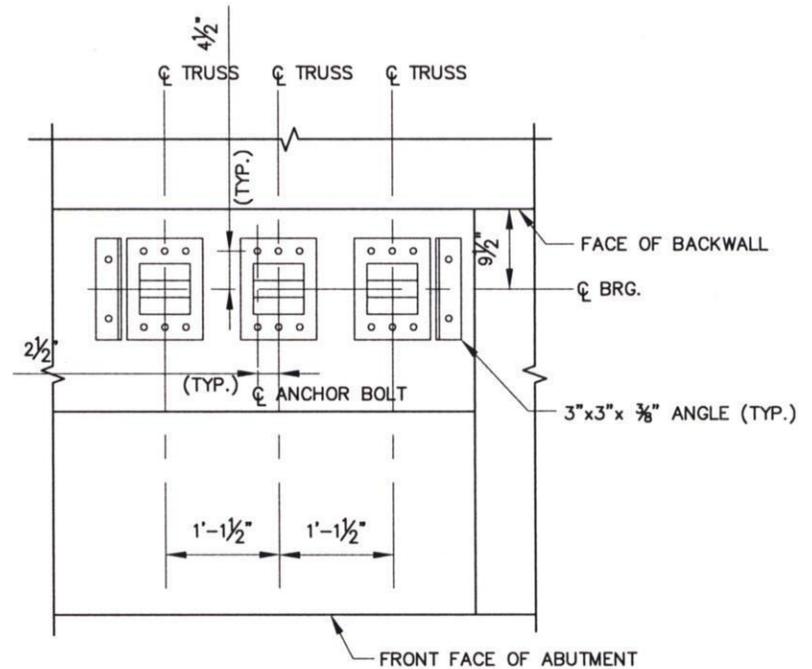
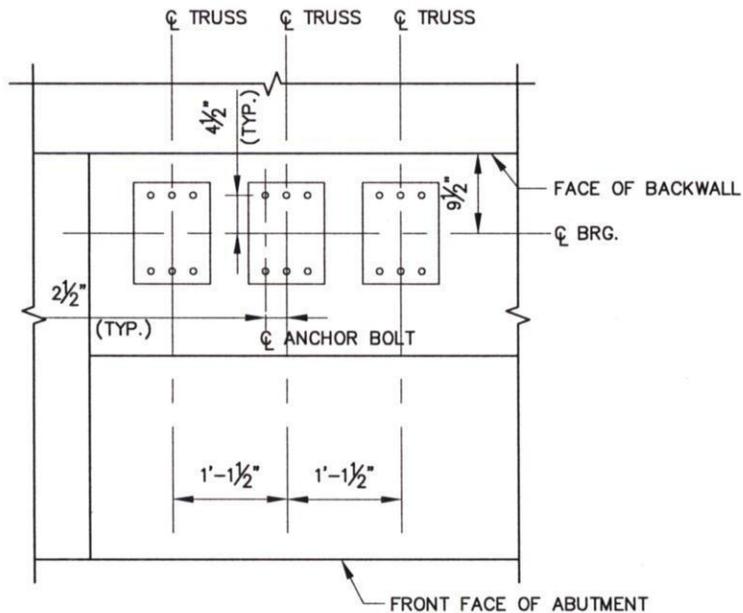
DRAWING NO.
WM-20



END OF BRIDGE DETAIL

NOT TO SCALE

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	<p style="text-align: center;">END OF BRIDGE DETAIL</p>	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		 Consulting Engineers (603) 669-5555	DRAWING NO. WM-21



BEARINGS DESIGNED AND SUPPLIED BY BRIDGE FABRICATOR.
 ANGLES AND ANCHOR BOLTS SUPPLIED BY CONTRACTOR.

NOTE: * ACTUAL LAYOUT MAY BE DIFFERENT. BRIDGE FABRICATOR AND CONTRACTOR TO COORDINATE.

ASSUMED* FIXED BEARING LAYOUT

NOT TO SCALE

ASSUMED* EXPANSION BEARING LAYOUT

NOT TO SCALE

Application by:
 TWEED-NEW HAVEN AIRPORT AUTHORITY

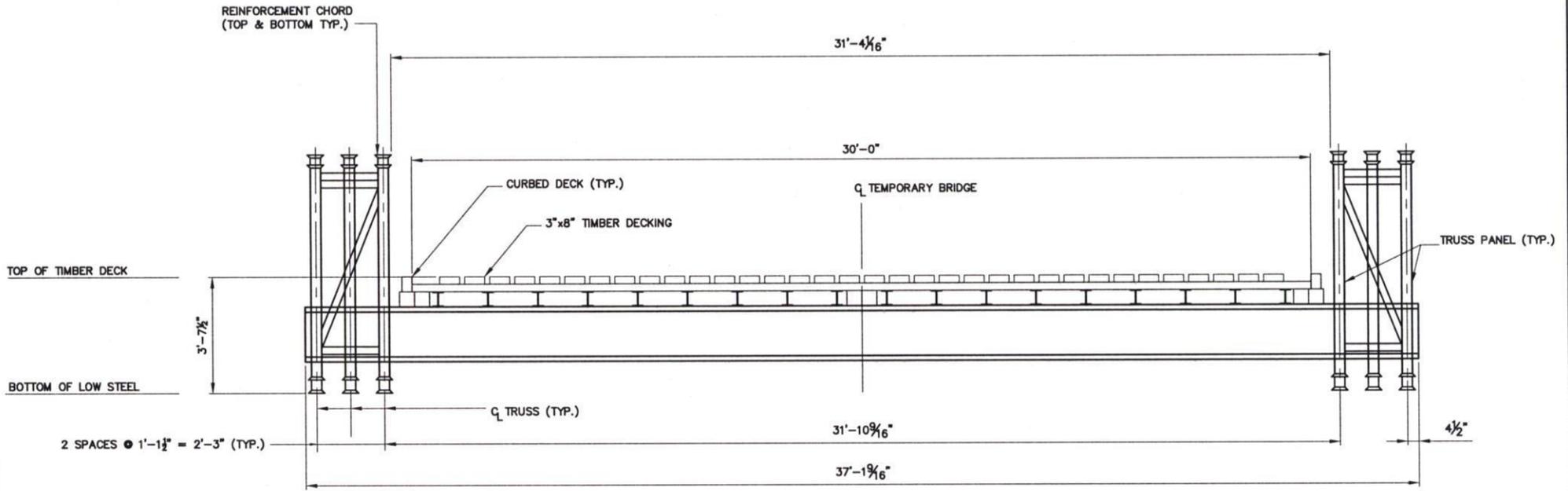
**BEARING
 DETAIL**

RUNWAY SAFETY AREA AND
 TAXIWAY IMPROVEMENTS PROGRAM
 TWEED-NEW HAVEN AIRPORT

Waterbody: TUTTLE BROOK
 MORRIS CREEK
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 County: NEW HAVEN
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DRAWING NO.
 WM-22

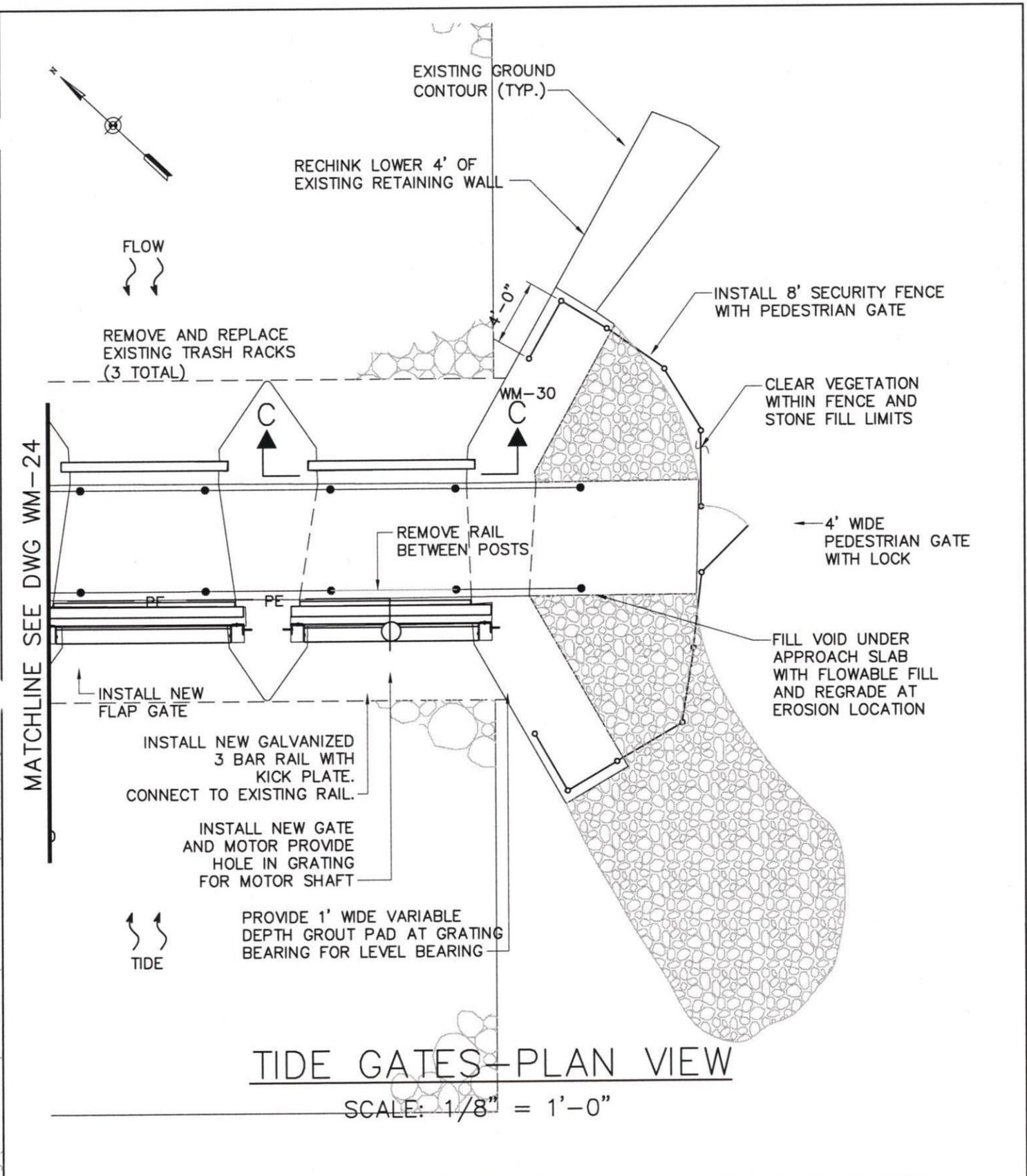


TYPICAL SECTION (TEMPORARY BRIDGE NO.1 & NO. 2)(ACROW TSR3)

NOT TO SCALE

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	TYPICAL SECTION TEMPORARY BRIDGE NOS. 1 & 2	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		HGA Consulting Engineers (603) 669-5555	DRAWING NO. WM-23

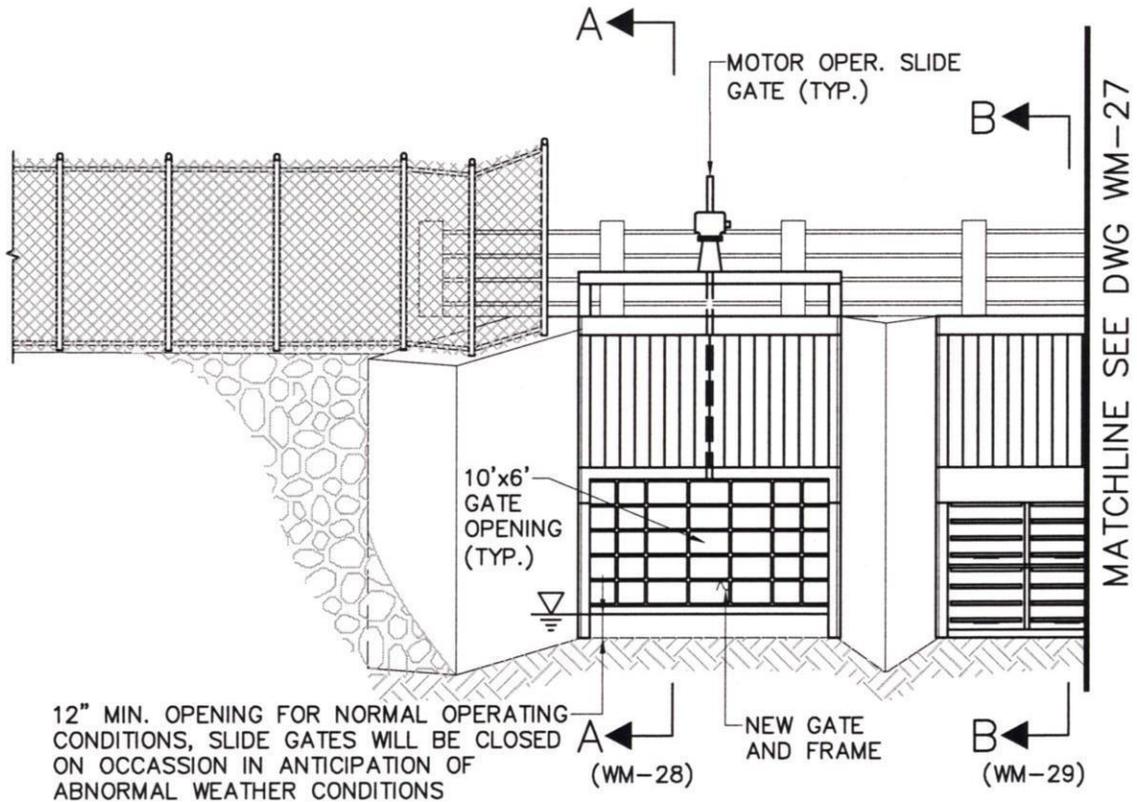
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TIDE GATES-PLAN VIEW

SCALE: 1/8" = 1'-0"

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	PROPOSED TIDE GATES PLAN VIEW		RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006	 Consulting Engineers (603) 669-5555		DRAWING NO. WM-25	



TIDE GATES—OCEAN SIDE—ELEVATION VIEW

SCALE: 1/8" = 1'-0"

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Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

PROPOSED TIDE GATES ELEVATION VIEW

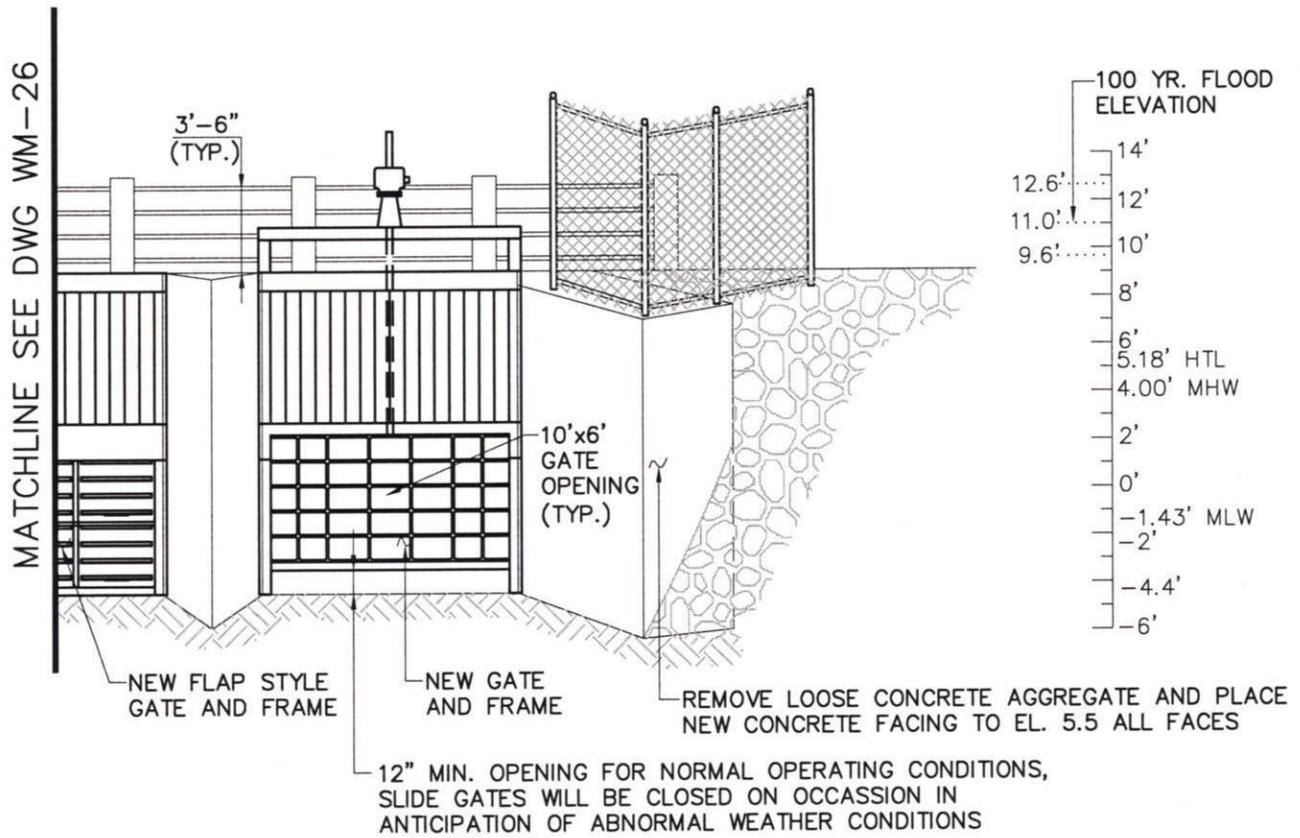
RUNWAY SAFETY AREA AND
TAXIWAY IMPROVEMENTS PROGRAM
TWEED-NEW HAVEN AIRPORT

Waterbody: TUTTLE BROOK
MORRIS CREEK
City: NEW HAVEN, CT.
County: NEW HAVEN
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DRAWING NO.
WM-26.1

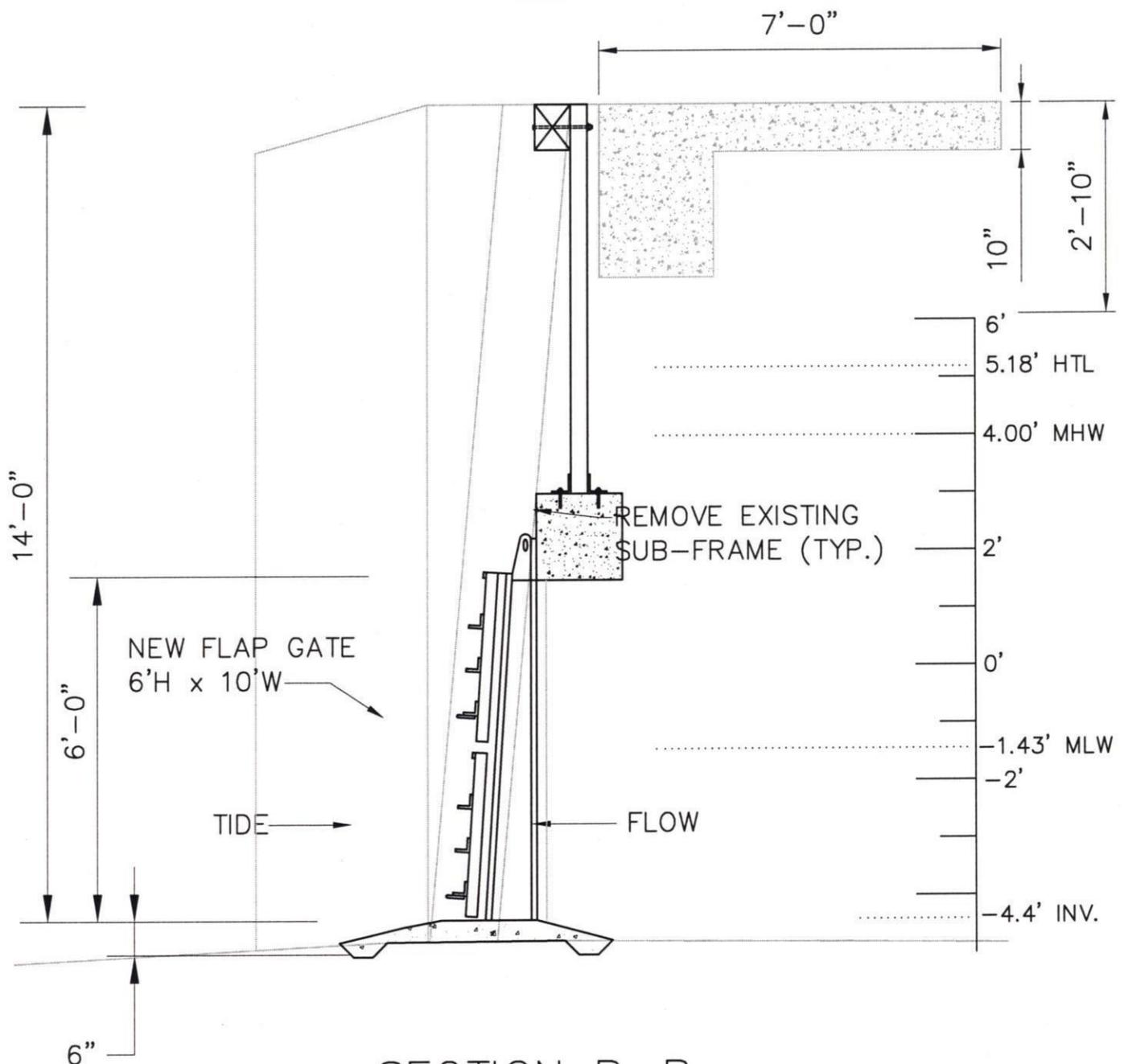
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TIDE GATES—OCEAN SIDE—ELEVATION VIEW

SCALE: 1/8" = 1'-0"

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	PROPOSED TIDE GATES ELEVATION VIEW	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		HGA Consulting Engineers (603) 669-5555	DRAWING NO. WM-27.1



SECTION B-B
SCALE: 3/8"=1'-0"

PLAN NOTES:

COMPACT MATERIALS BEHIND AND INTO MASONRY WALL BY USING TAMPING RODS OR OTHER METHODS ACCEPTABLE TO THE ENGINEER.

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Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	TIDE GATE PROPOSED SECTION B-B	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		 Consulting Engineers (603) 669-5555	DRAWING NO. WM-29