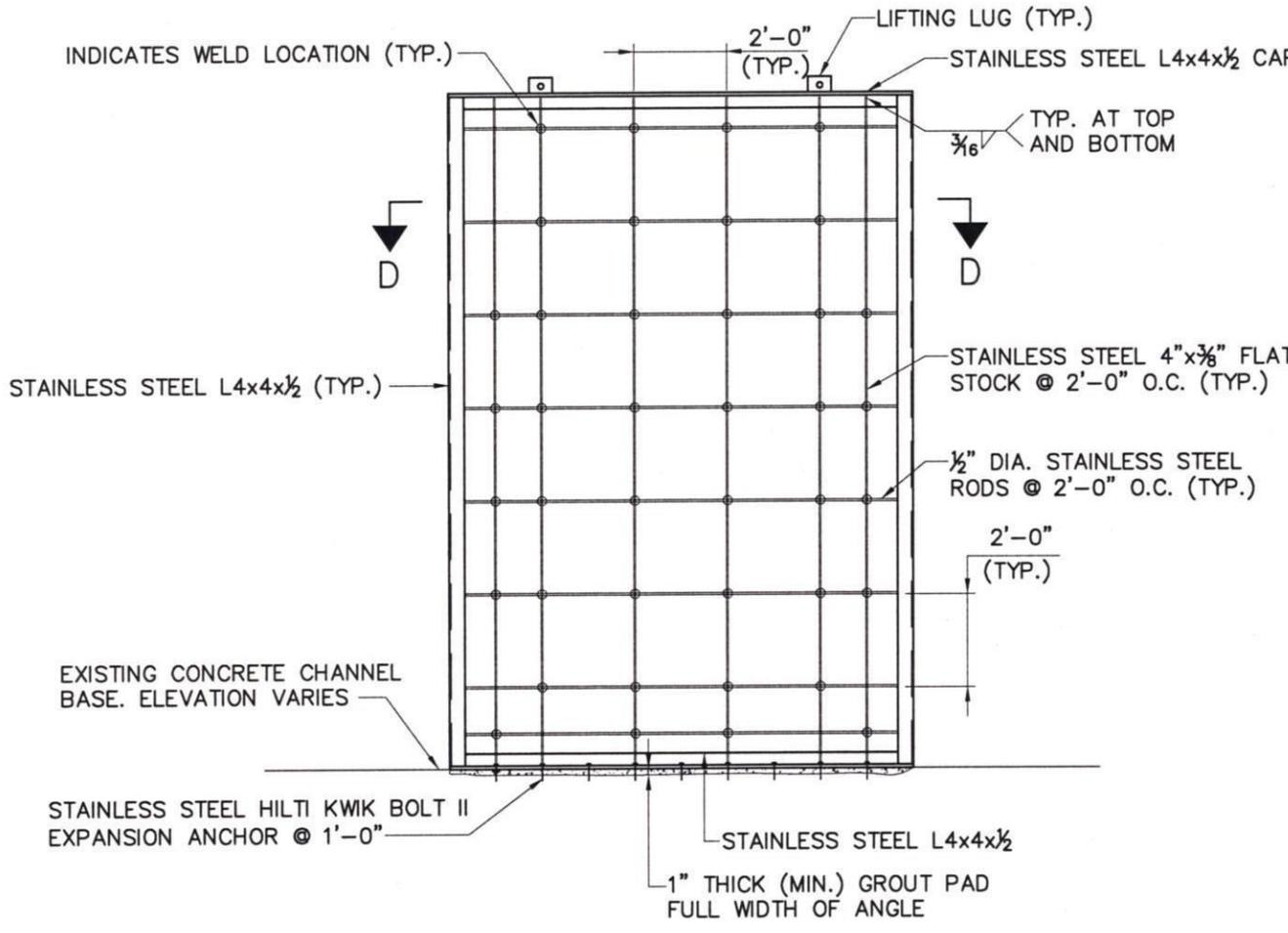


SECTION D-D



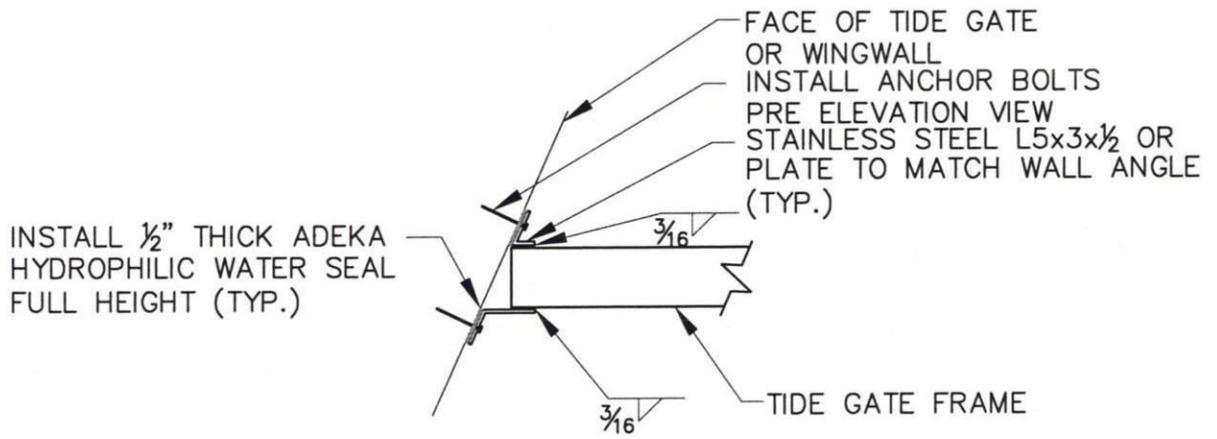
SECTION C-C
SCALE: 1/4" = 1'-0"

PLAN NOTES:

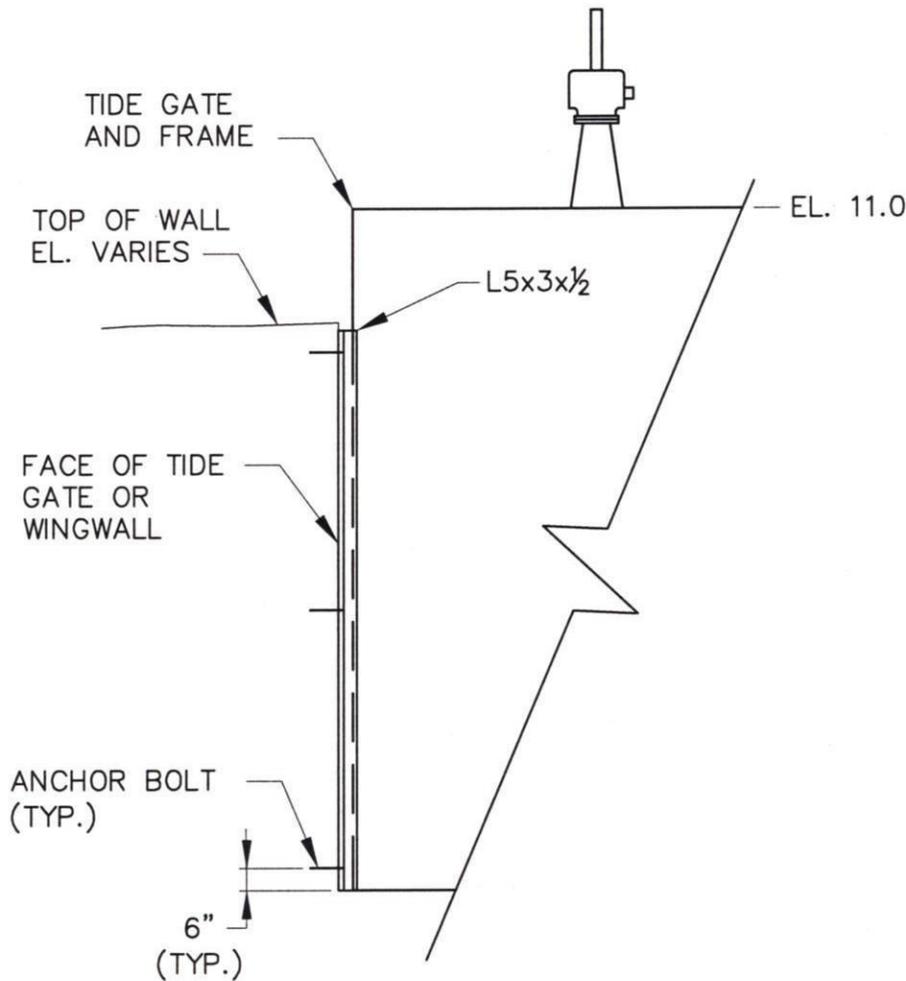
COMPACT MATERIALS BEHIND AND INTO MASONRY WALL BY USING TAMPING RODS OR OTHER METHODS ACCEPTABLE TO THE ENGINEER.

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	TIDE GATES PROPOSED SECTIONS	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		HFA Consulting Engineers (603) 669-5555	DRAWING NO. WM-30

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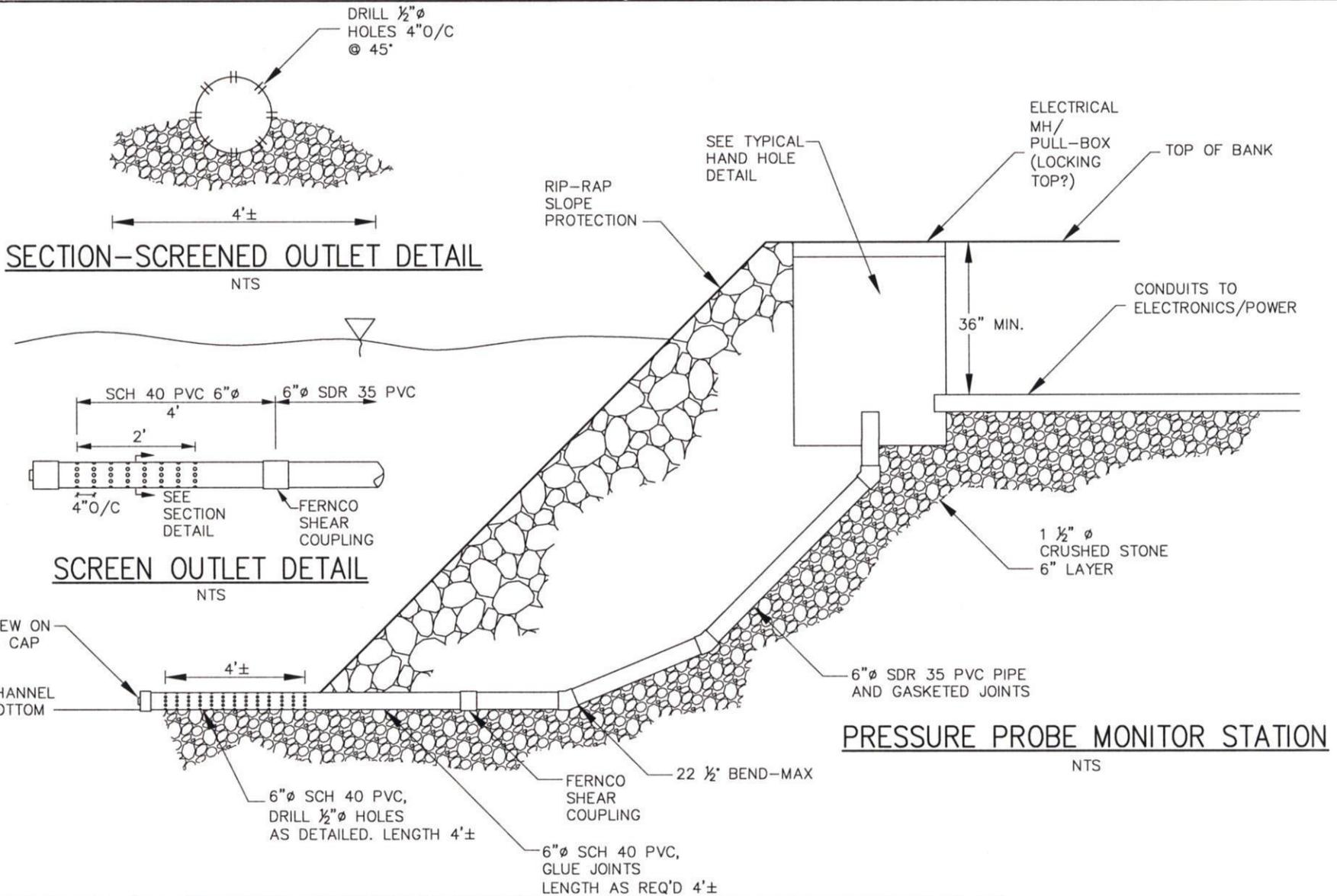
PLAN
 NOT TO SCALE



TIDE GATE FRAME CONNECTION DETAIL
 NOT TO SCALE

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Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	PROPOSED TIDE GATE FRAME CONNECTION 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: January, 2006		 Consulting Engineers (603) 669-5555	DRAWING NO. WM-31



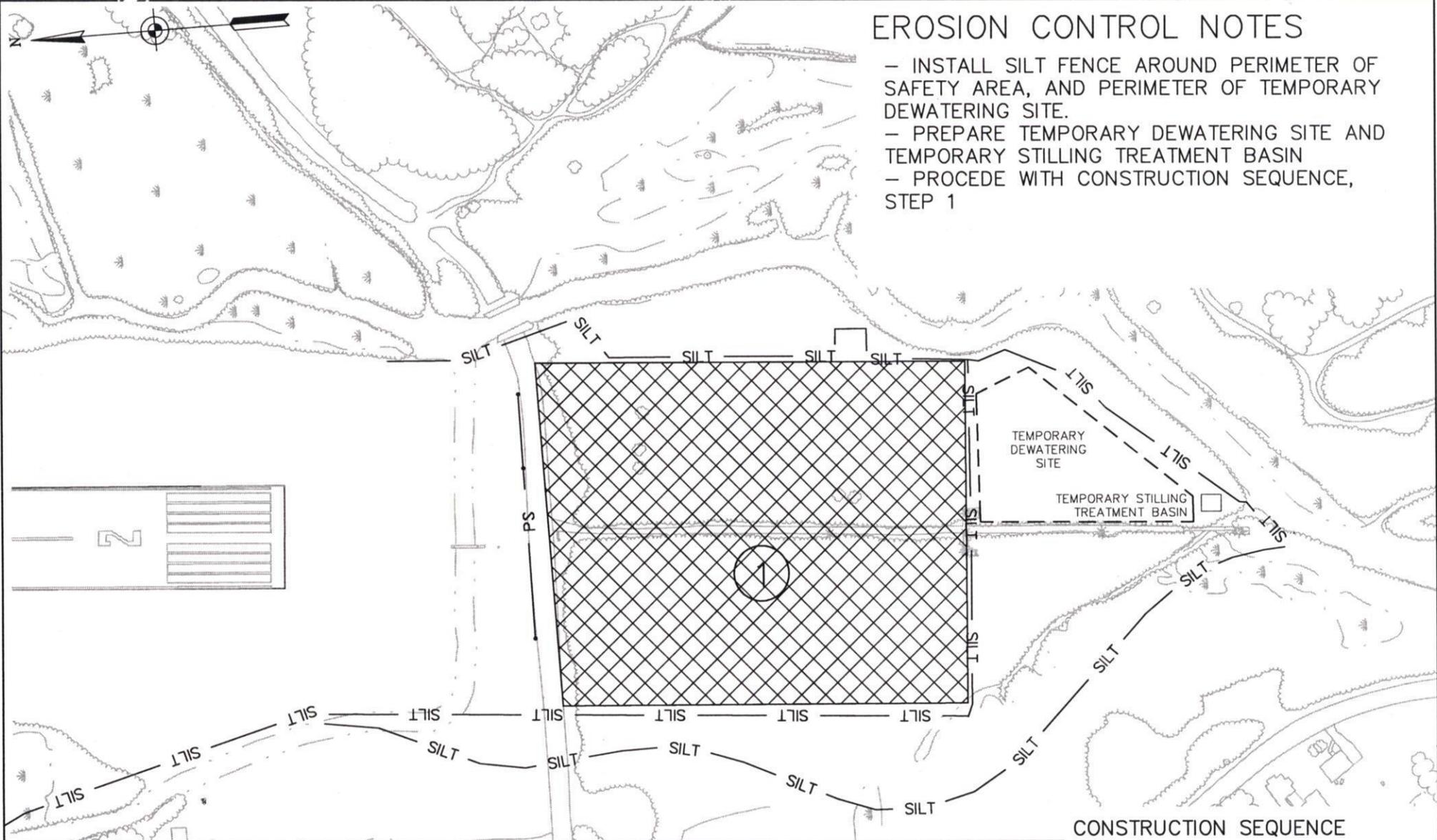
Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	PRESSURE PROBE MONITOR STATION	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT	
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: January, 2006		 HTA Consulting Engineers (603) 669-5555	DRAWING NO. WM-32

Sedimentation & Erosion Controls

T W E E D

NEW HAVEN

A I R P O R T



EROSION CONTROL NOTES

- INSTALL SILT FENCE AROUND PERIMETER OF SAFETY AREA, AND PERIMETER OF TEMPORARY DEWATERING SITE.
- PREPARE TEMPORARY DEWATERING SITE AND TEMPORARY STILLING TREATMENT BASIN
- PROCEED WITH CONSTRUCTION SEQUENCE, STEP 1

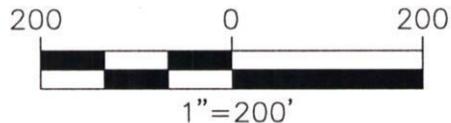
CONSTRUCTION SEQUENCE STEP 1

EXCAVATION OF APPROXIMATELY 8 VERTICAL FEET OF UNSUITABLE, ORGANIC MATERIAL WITHIN HATCHED AREA. MATERIAL TO BE DEWATERED AND HANDLED IN ACCORDANCE WITH SPECIFICATIONS AND EROSION CONTROL TYPICAL DETAILS.

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

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

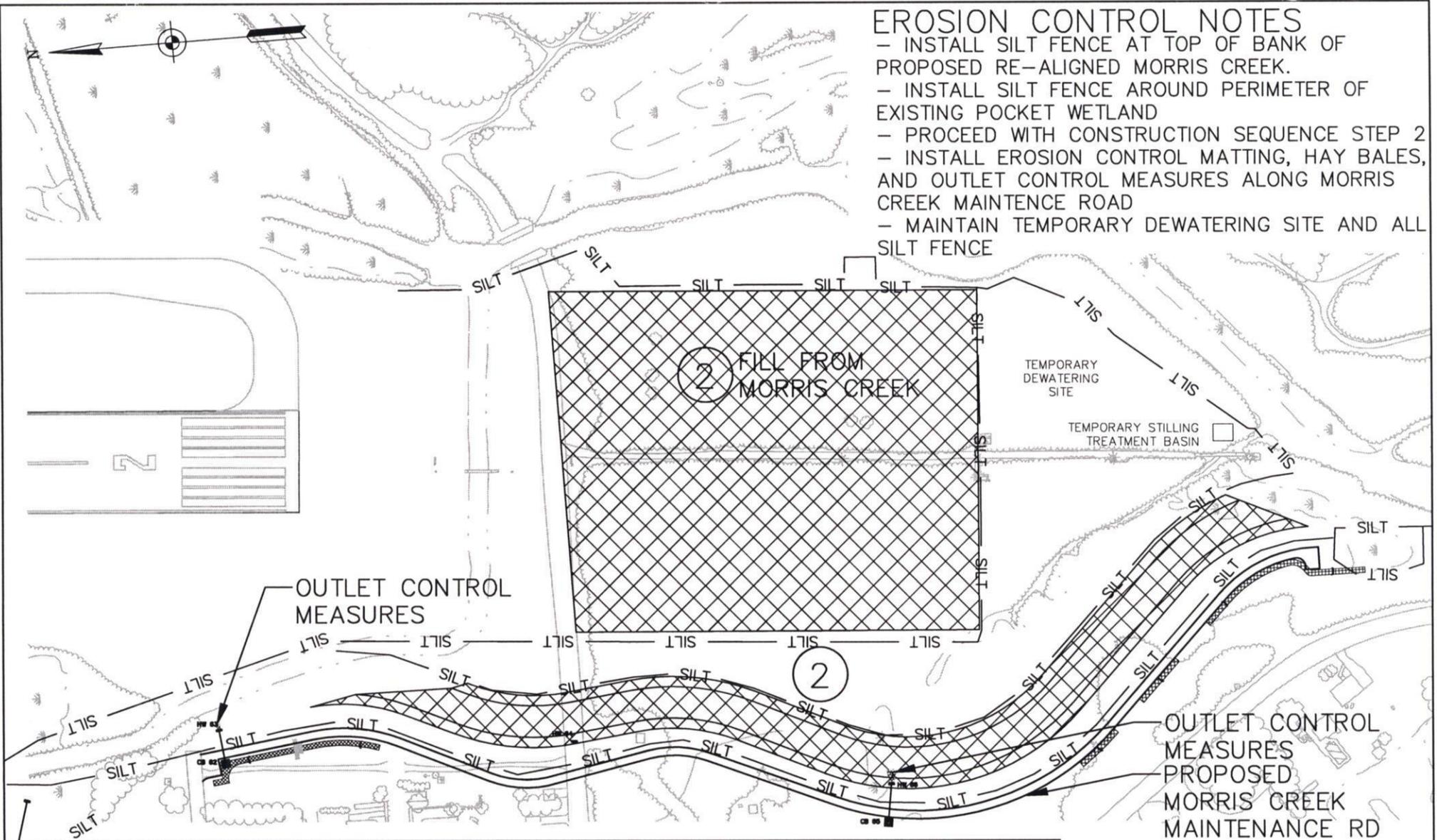
RUNWAY 2 EROSION CONTROL PHASING PLAN



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

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DRAWING NO.
SEC-1

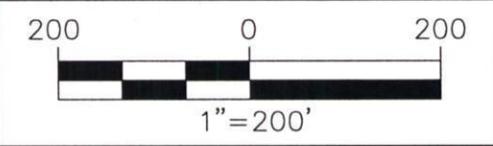


- ### EROSION CONTROL NOTES
- INSTALL SILT FENCE AT TOP OF BANK OF PROPOSED RE-ALIGNED MORRIS CREEK.
 - INSTALL SILT FENCE AROUND PERIMETER OF EXISTING POCKET WETLAND
 - PROCEED WITH CONSTRUCTION SEQUENCE STEP 2
 - INSTALL EROSION CONTROL MATTING, HAY BALES, AND OUTLET CONTROL MEASURES ALONG MORRIS CREEK MAINTENANCE ROAD
 - MAINTAIN TEMPORARY DEWATERING SITE AND ALL SILT FENCE

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

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

RUNWAY 2 EROSION CONTROL PHASING PLAN



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

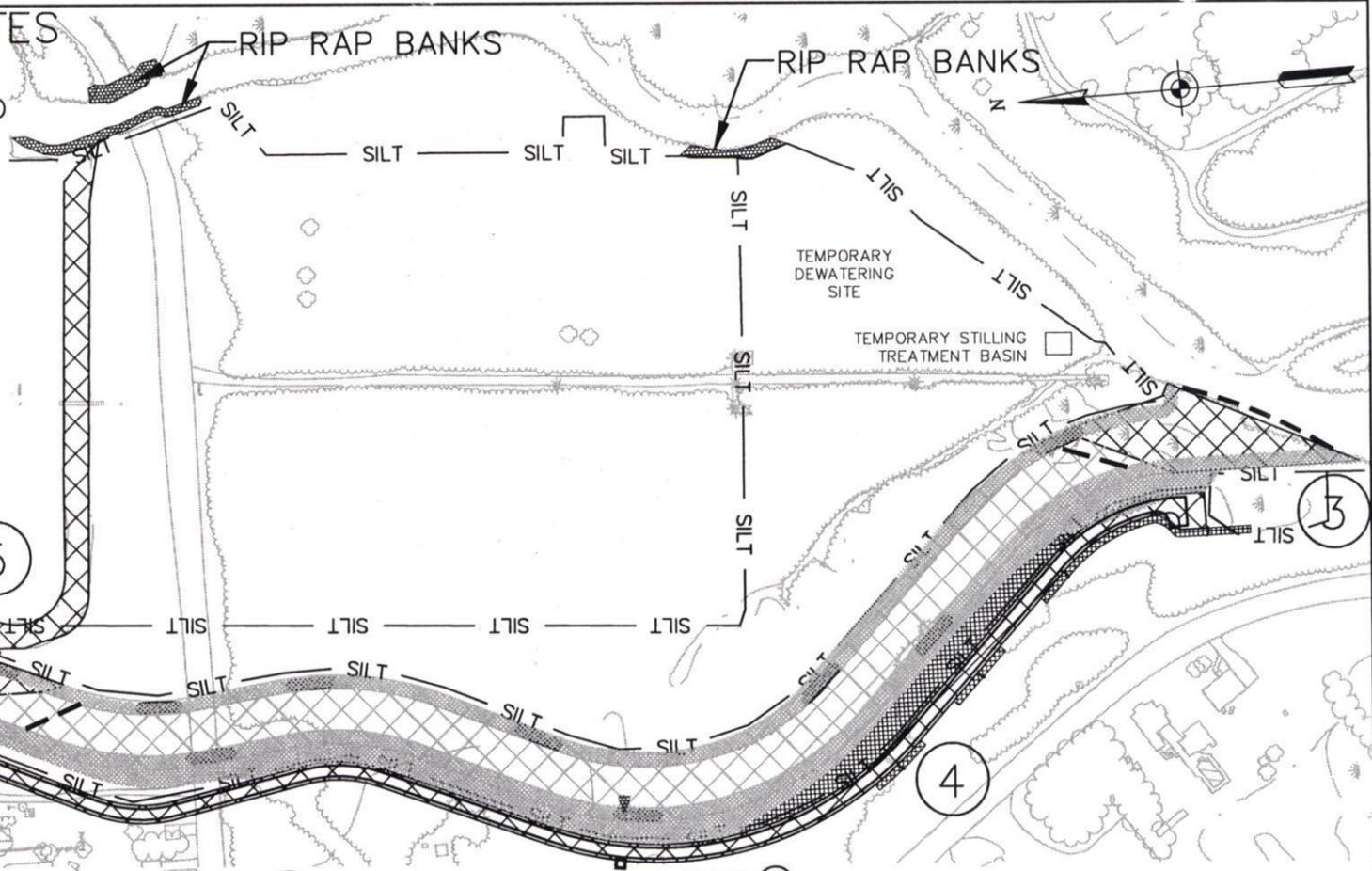
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DRAWING NO.
SEC-2

CONSTRUCTION SEQUENCE,
STEP 2
CONSTRUCT MIDDLE PORTION
OF PROPOSED MORRIS CREEK
SOUTH, LEAVING 50' BUFFER
FROM EXISTING MORRIS CREEK.

EROSION CONTROL NOTES

- INSTALL ALL EROSION MATTING, (TYPE A AND E) ALONG RE-ALIGNED MORRIS CREEK, INSTALL CREEK TURBIDITY CURTAINS, SEE DWG SEC-6 AND SEC-7
- PROCEED WITH CONSTRUCTION SEQUENCE STEPS 3 & 4
- INSTALL RIP RAP ALONG 2:1 BANKS OF EXISTING MORRIS CREEK ON EASTERN SIDE OF SAFETY AREA. PROCEED WITH CONSTRUCTION SEQUENCE STEP 5.
- PLANT SALTWATER CORDGRASS (*SPARTINA ALTERNIFLORA*) AT SPECIFIED LOCATIONS ALONG BANKS OF MORRIS CREEK.



4

5

3

4

STEP 3

STEP 4

STEP 5

CONSTRUCT CONNECTION BETWEEN EXISTING MORRIS CREEK AND PROPOSED, AT SOUTH END. CONSTRUCT MORRIS CREEK MAINTENANCE RD.

CONSTRUCT CONNECTION BETWEEN EXISTING MORRIS CREEK AND PROPOSED, AT NORTH END, ALLOW FLOW TO DIVERT THROUGH PROPOSED MORRIS CREEK SOUTH.

FILL EXISTING MORRIS CREEK THROUGH RW 2 SAFETY AREA. INSTALL TEMPORARY DIKE AT EASTERN EDGE OF EXISTING MORRIS CREEK SOUTH TO FACILITATE FILLING OPERATION.

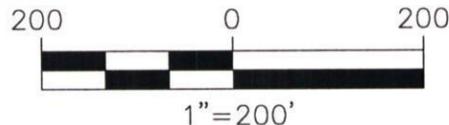
Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

RUNWAY 2 EROSION CONTROL PHASING PLAN

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

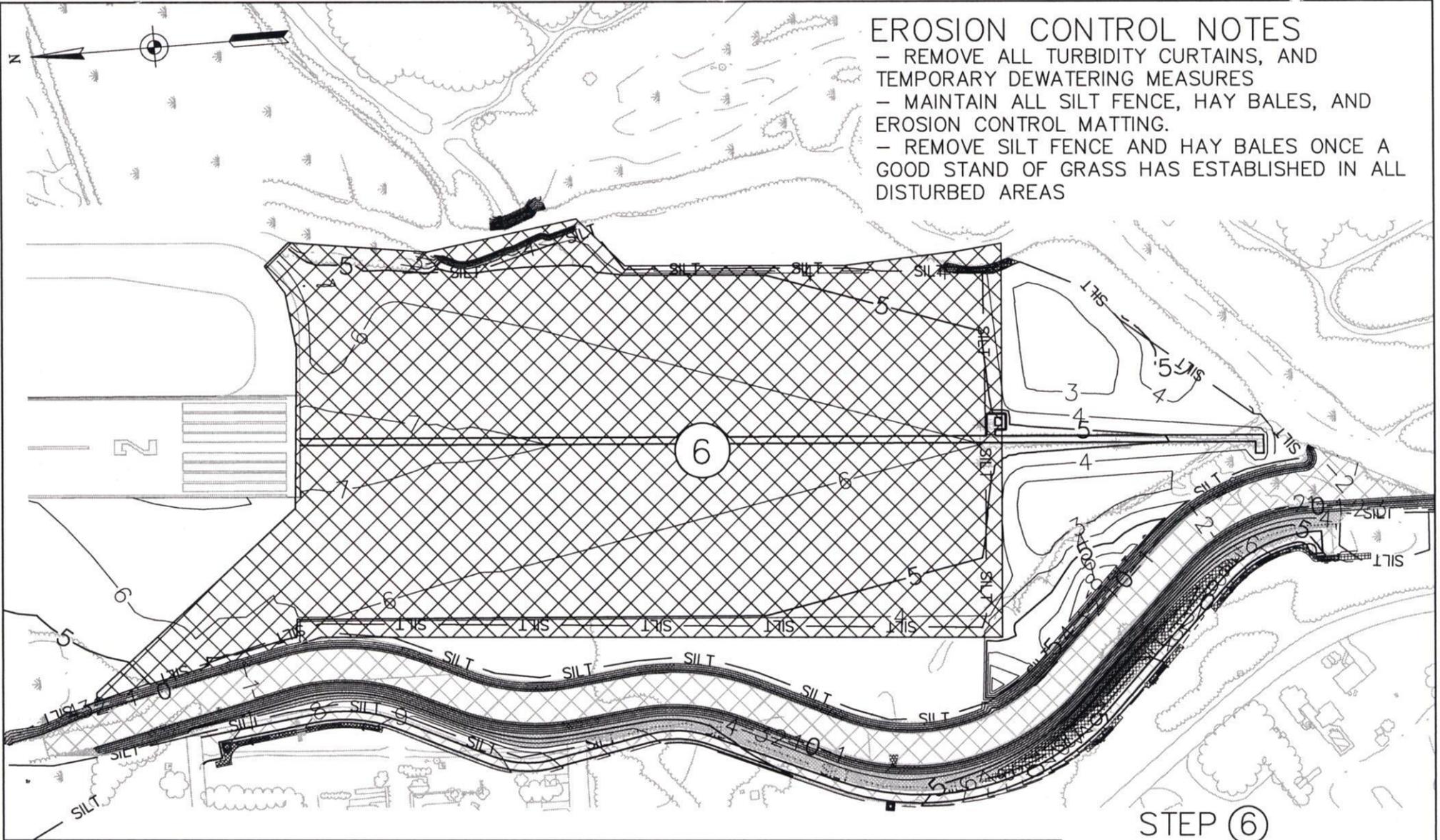
--- TURBIDITY CURTAIN

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



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DRAWING NO.
SEC-3



EROSION CONTROL NOTES
 - REMOVE ALL TURBIDITY CURTAINS, AND TEMPORARY DEWATERING MEASURES
 - MAINTAIN ALL SILT FENCE, HAY BALES, AND EROSION CONTROL MATTING.
 - REMOVE SILT FENCE AND HAY BALES ONCE A GOOD STAND OF GRASS HAS ESTABLISHED IN ALL DISTURBED AREAS

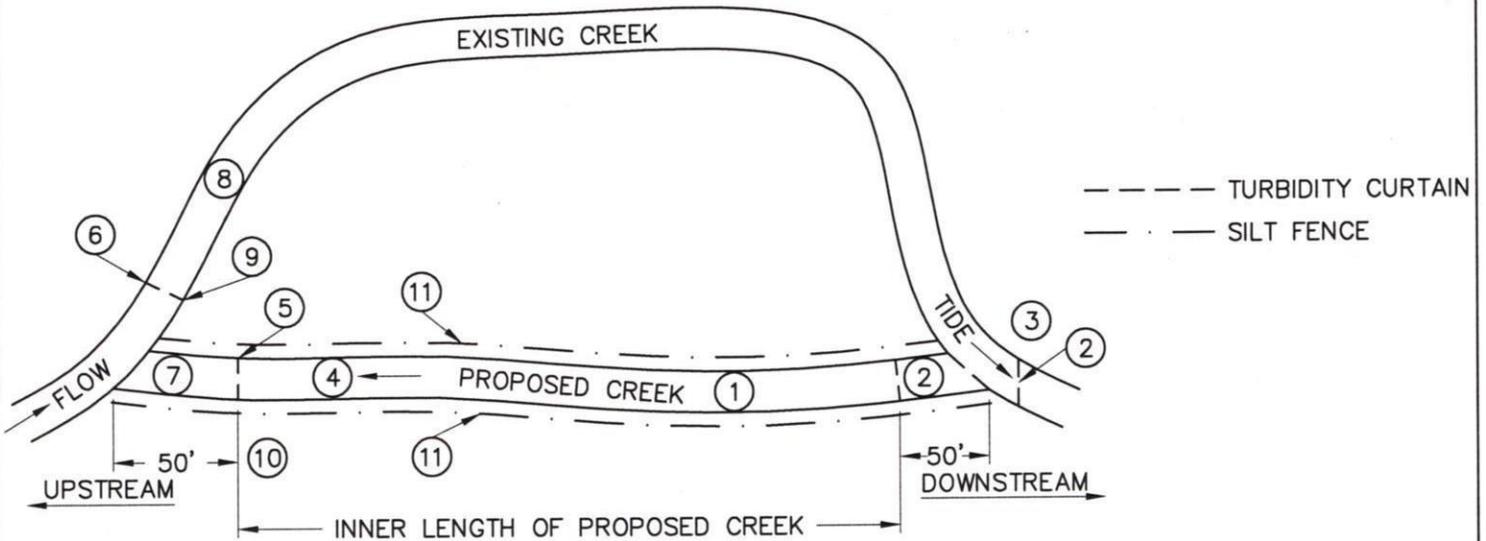
STEP ⑥

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	RUNWAY 2 EROSION CONTROL PHASING PLAN	RUNWAY SAFETY AREA AND TAXIWAY IMPROVEMENTS PROGRAM TWEED-NEW HAVEN AIRPORT		FINAL GRADING IN RW 2 SAFETY AREA. INSTALL NEW MALSF SYSTEM, MALSF MAINTENANCE RD, AND PROPOSED MALSF EQUIPMENT BUILDING.
Waterbody: TUTTLE BROOK MORRIS CREEK City: NEW HAVEN, CT. County: NEW HAVEN Date: November, 2005		Consulting Engineers (603) 669-5555	DRAWING NO. SEC-4.1	

SEDIMENTATION AND EROSION CONTROL CONSTRUCTION
PHASING NOTES FOR CREEK RE-ALIGNMENT OPERATIONS

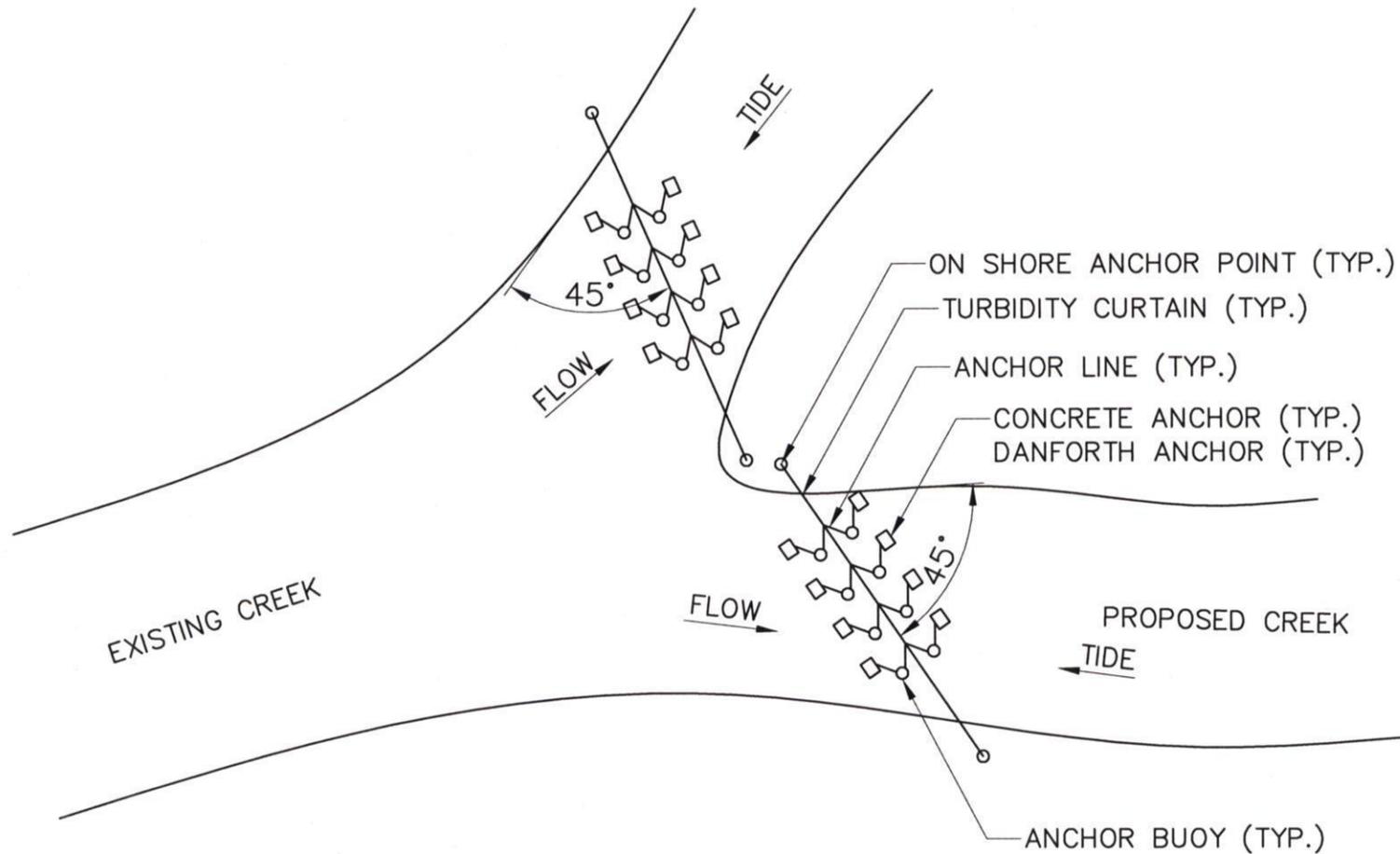
1. THE INTENT FOR BUILDING THE NEW CREEK IS TO EXCAVATE THE INNER LENGTH OF PROPOSED CREEK BETWEEN TWO EXISTING POINTS, FIRST (IN THE DRY).
2. EXCAVATE/OPEN PROPOSED CREEK ON DOWNSTREAM END, ADJOINING TO EXISTING FLOWING CREEK. INSTALL TURBIDITY CURTAIN ON DOWNSTREAM END OF PROPOSED CREEK.
3. INSTALL TURBIDITY CURTAIN BETWEEN EXISTING AND PROPOSED DOWNSTREAM CONNECTION.
4. ALLOW TIDE TO FILL NEW CREEK 50' SHORT OF PROPOSED UPSTREAM CONNECTION.
5. INSTALL TURBIDITY CURTAIN IN PROPOSED CREEK, UPSTREAM LIMIT.
6. INSTALL TURBIDITY CURTAIN IN EXISTING CREEK.
7. EXCAVATE REMAINING SOIL BARRIER BETWEEN EXISTING AND PROPOSED UPSTREAM PORTION OF MORRIS CREEK.
8. BACKFILL OLD CREEK.
9. REMOVE TURBIDITY CURTAIN FROM OLD PORTION OF CREEK.
10. UTILIZE REMAINING TURBIDITY CURTAINS UNTIL TURBIDITY RATES IN NEW PORTION OF CREEK AND EXISTING CREEK REACH ACCEPTABLE LIMITS, TO BE DETERMINED BY THE ENGINEER.
11. INSTALL SILT FENCE ALONG TOP OF BANK OF NEW CREEK.

NOTE: LAYOUT OF EXISTING AND PROPOSED CREEKS IS SCHEMATIC ONLY, ACTUAL ALIGNMENTS ARE DICTATED BY DESIGN PLANS, SEE OTHER DRAWINGS IN THIS PERMIT.



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Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	CHANNEL RELOCATION EROSION CONTROL 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: April, 2005		HTA Consulting Engineers (603) 669-5555	DRAWING NO. SEC-5



PLAN VIEW

NOT TO SCALE

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

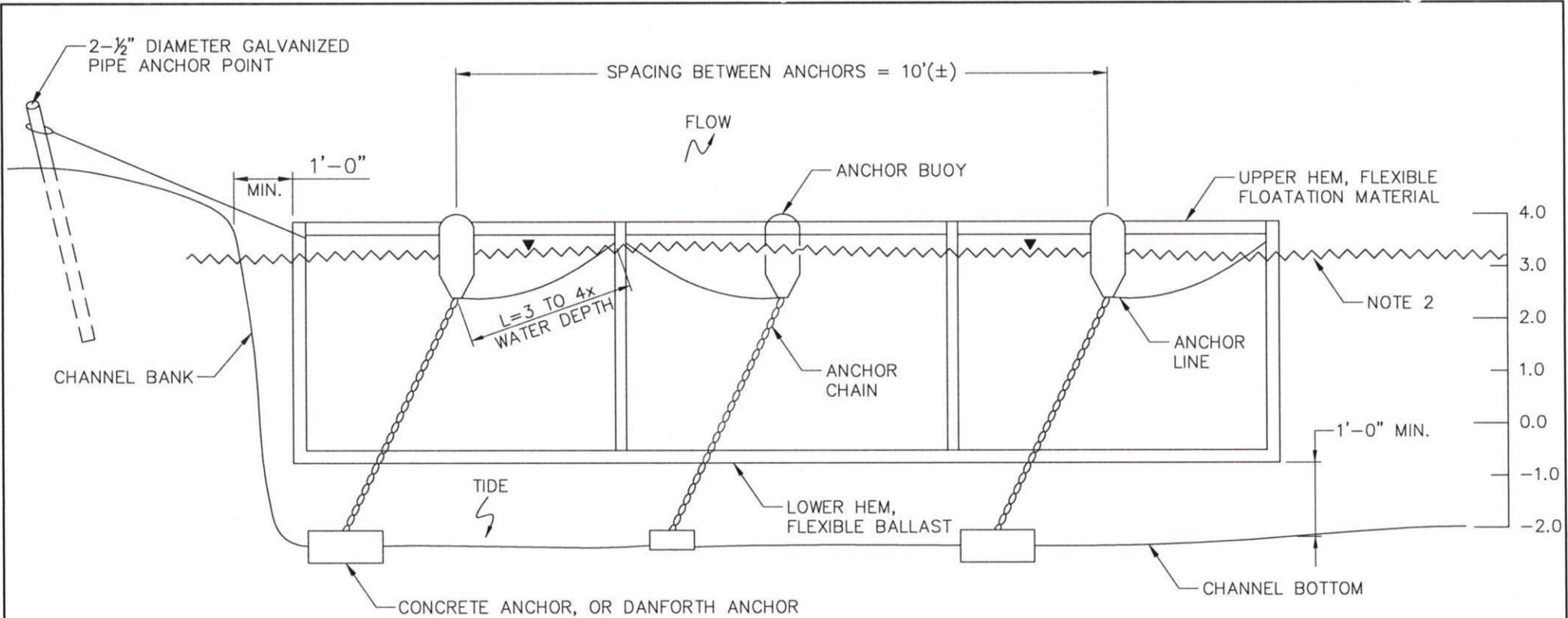
TYPICAL TURBIDITY CURTAIN INSTALLATION DETAIL

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

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

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DRAWING NO.
SEC-6

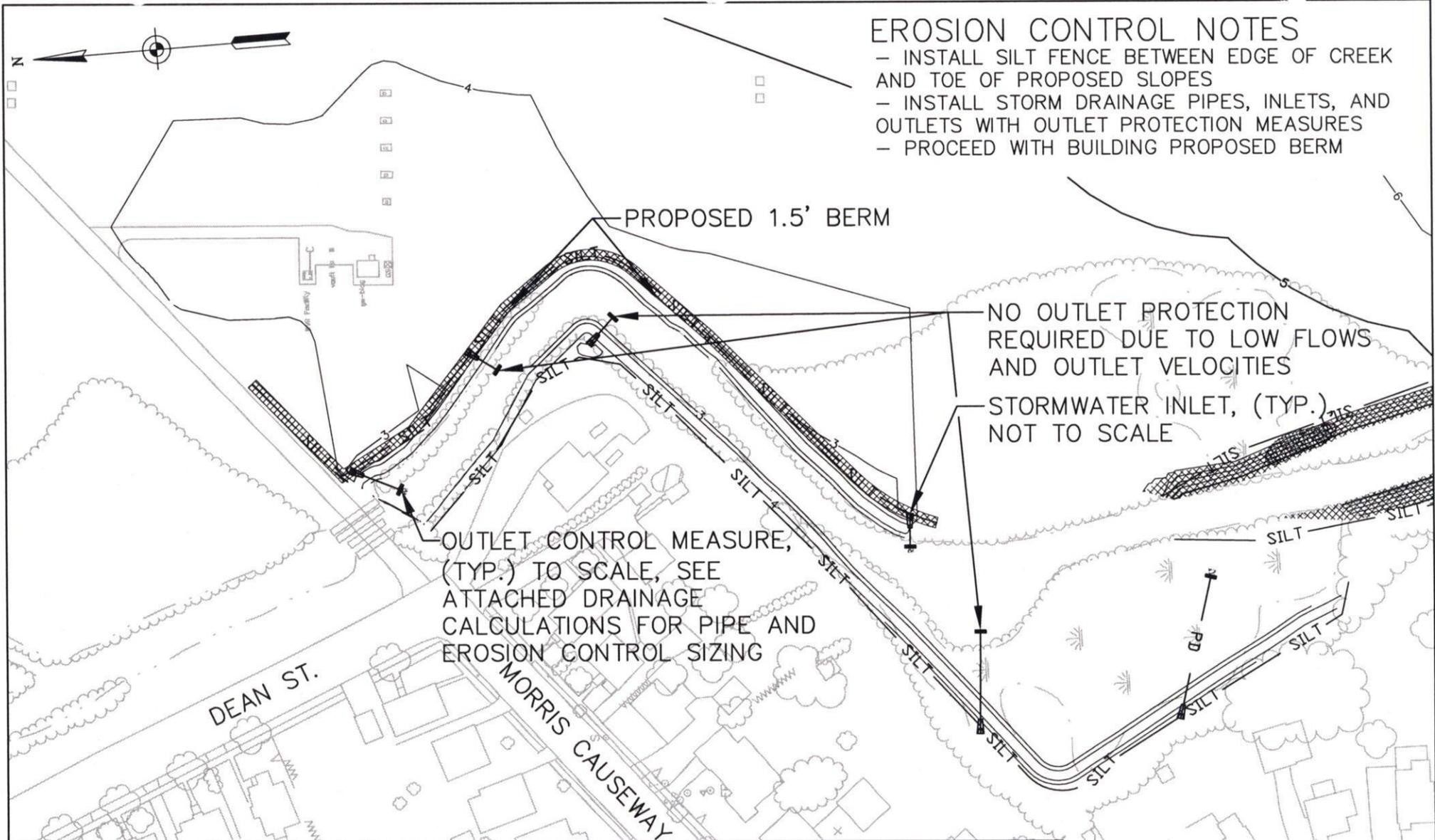


TYPICAL DETAIL
TYPE III MIDDLEWEIGHT TURBIDITY CURTAIN
SECTION VIEW
 NOT TO SCALE

NOTES:

1. TURBIDITY CURTAINS SHALL BE WOVEN GEOSYNTHETIC, IMPERVIOUS REINFORCED THERMOPLASTIC, OR APPROVED EQUAL.
2. WATER SURFACE ELEVATIONS IN CHANNEL MAY VARY FROM 1.5'-3.5'(±)

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	EROSION CONTROL 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			HFA Consulting Engineers (603) 669-5555	DRAWING NO. SEC-7



- ### EROSION CONTROL NOTES
- INSTALL SILT FENCE BETWEEN EDGE OF CREEK AND TOE OF PROPOSED SLOPES
 - INSTALL STORM DRAINAGE PIPES, INLETS, AND OUTLETS WITH OUTLET PROTECTION MEASURES
 - PROCEED WITH BUILDING PROPOSED BERM

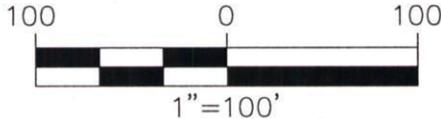
Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

GLIDESLOPE EROSION CONTROL PHASING PLAN

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

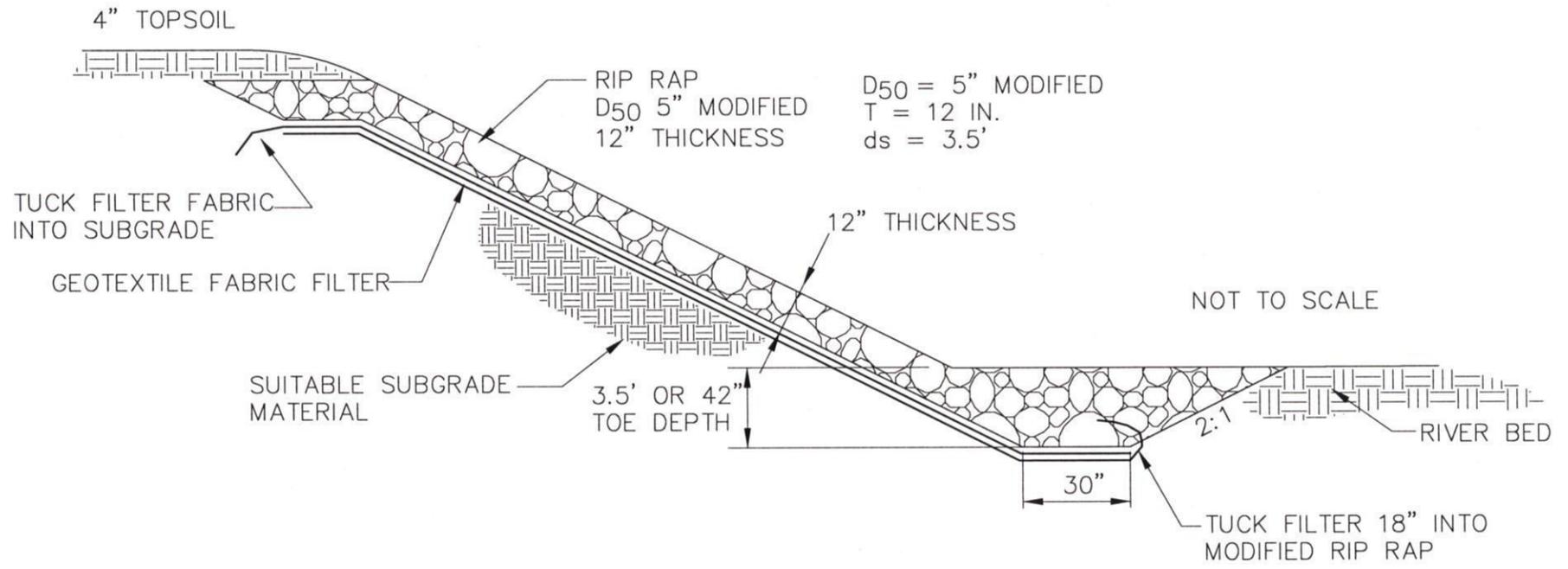
FINAL GRADING IN GLIDESLOPE AREA. CONSTRUCT 1.5' BERM ALONG TWO EDGES OF EXISTING MORRIS CREEK. INSTALL NEW FLEXIBLE CHECK VALVE OUTLETS WITH OUTLET PROTECTION MEASURES.

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



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DRAWING NO.
SEC-8



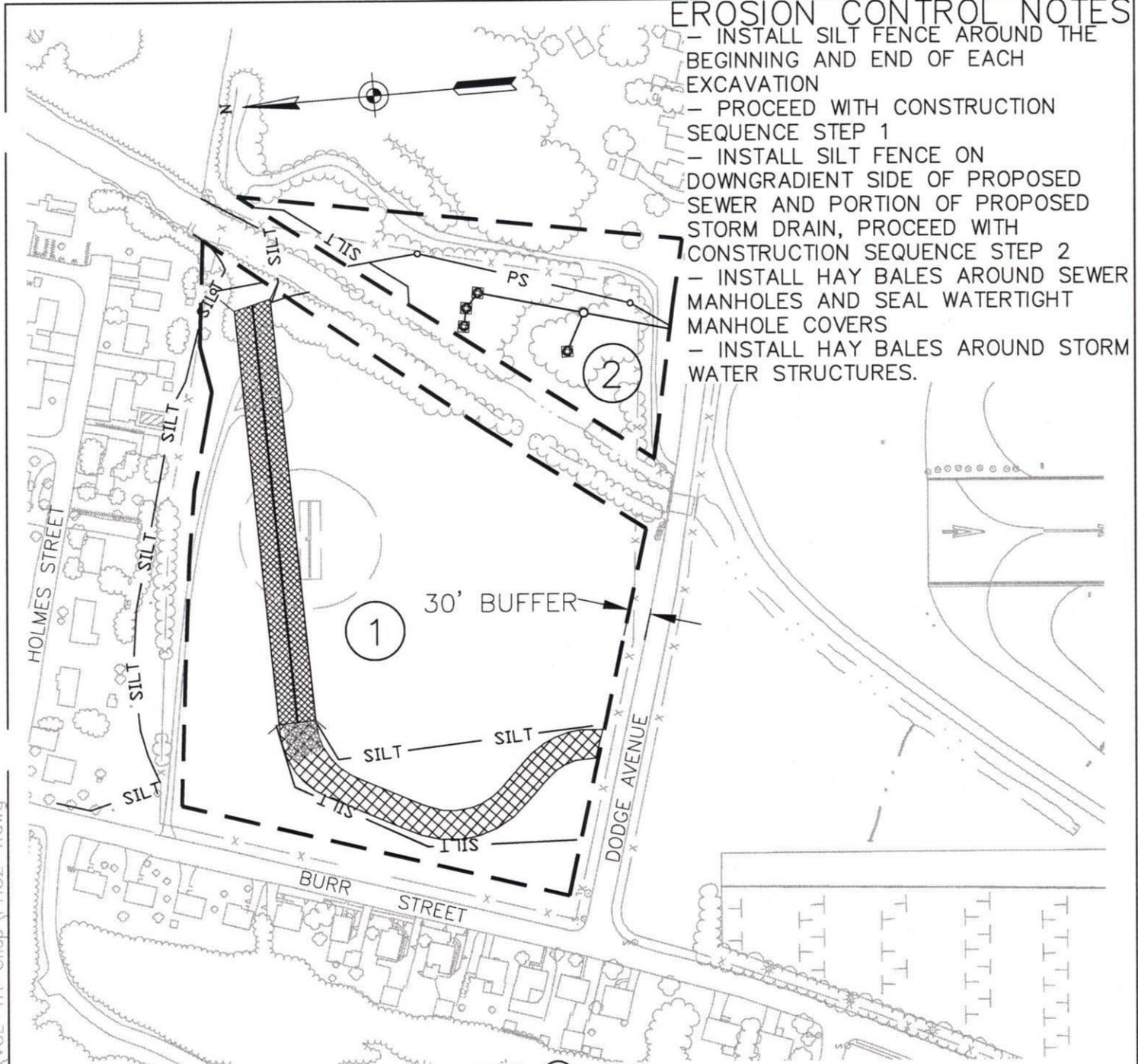
STONED LINED SLOPE STABILIZATION DETAIL

N.T.S.

Application by: TWEED-NEW HAVEN AIRPORT AUTHORITY	EROSION CONTROL 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		 HTA Consulting Engineers (603) 669-5555	DRAWING NO. SEC-9

EROSION CONTROL NOTES

- INSTALL SILT FENCE AROUND THE BEGINNING AND END OF EACH EXCAVATION
- PROCEED WITH CONSTRUCTION SEQUENCE STEP 1
- INSTALL SILT FENCE ON DOWNGRADIENT SIDE OF PROPOSED SEWER AND PORTION OF PROPOSED STORM DRAIN, PROCEED WITH CONSTRUCTION SEQUENCE STEP 2
- INSTALL HAY BALES AROUND SEWER MANHOLES AND SEAL WATERTIGHT MANHOLE COVERS
- INSTALL HAY BALES AROUND STORM WATER STRUCTURES.



30' BUFFER

STEP ①

EXCAVATION TO SUBGRADE WITHIN 30' BUFFER ZONE. INSTALL 580 LF CULVERT AND NORTHWEST SEGMENT OF MORRIS CREEK

STEP ②

EXCAVATION TO SUBGRADE WITHIN 30' BUFFER ZONE. INSTALL A PORTION OF PROPOSED 30" DIP SEWER, AND A PORTION OF PROPOSED STORM DRAIN.

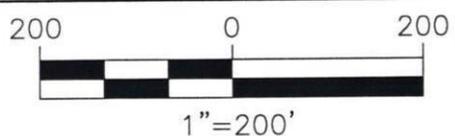
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Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

Waterbody: TUTTLE BROOK
MORRIS CREEK
NEW HAVEN, CT.

City: NEW HAVEN
County: NEW HAVEN
Date: April, 2005

RUNWAY 20 EROSION CONTROL PHASING PLAN



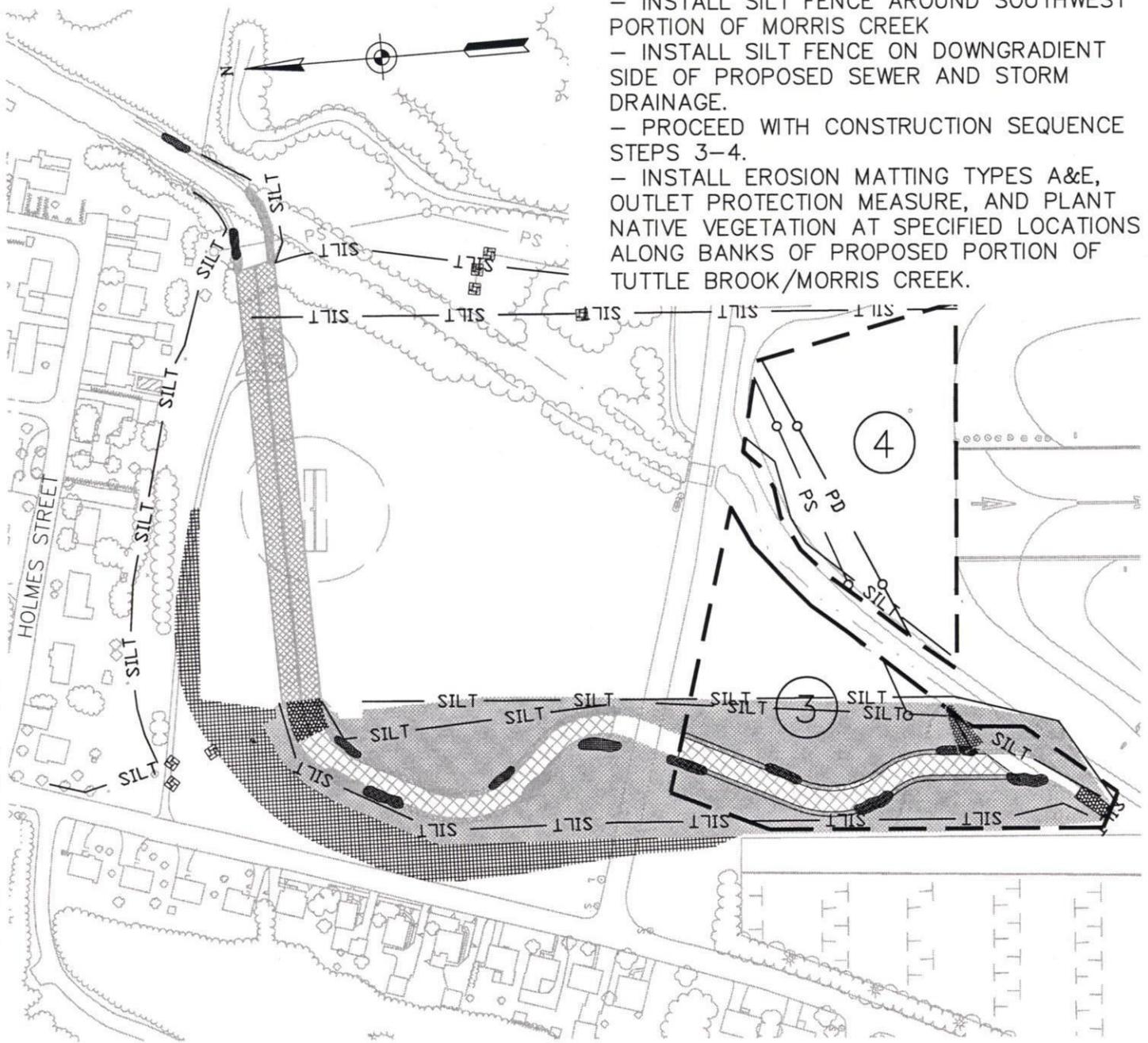
RUNWAY SAFETY AREA AND
TAXIWAY IMPROVEMENTS PROGRAM
TWEED-NEW HAVEN AIRPORT

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DRAWING NO.
SEC-10

EROSION CONTROL NOTES

- INSTALL SILT FENCE AROUND SOUTHWEST PORTION OF MORRIS CREEK
- INSTALL SILT FENCE ON DOWNGRADIENT SIDE OF PROPOSED SEWER AND STORM DRAINAGE.
- PROCEED WITH CONSTRUCTION SEQUENCE STEPS 3-4.
- INSTALL EROSION MATTING TYPES A&E, OUTLET PROTECTION MEASURE, AND PLANT NATIVE VEGETATION AT SPECIFIED LOCATIONS ALONG BANKS OF PROPOSED PORTION OF TUTTLE BROOK/MORRIS CREEK.



STEP ③

EXCAVATION TO SUBGRADE WITHIN 30' BUFFER ZONE. INSTALL SOUTHWEST PORTION OF MORRIS CREEK AND A PORTION OF PROPOSED SEWER AND STORMDRAINAGE

STEP ④

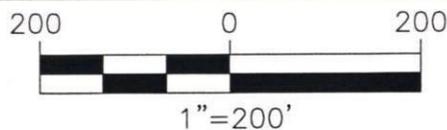
EXCAVATION TO SUBGRADE WITHIN 30' BUFFER ZONE. INSTALL A PORTION OF PROPOSED SEWER AND STORMDRAINAGE

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

RUNWAY 20 CONSTRUCTION PHASING 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

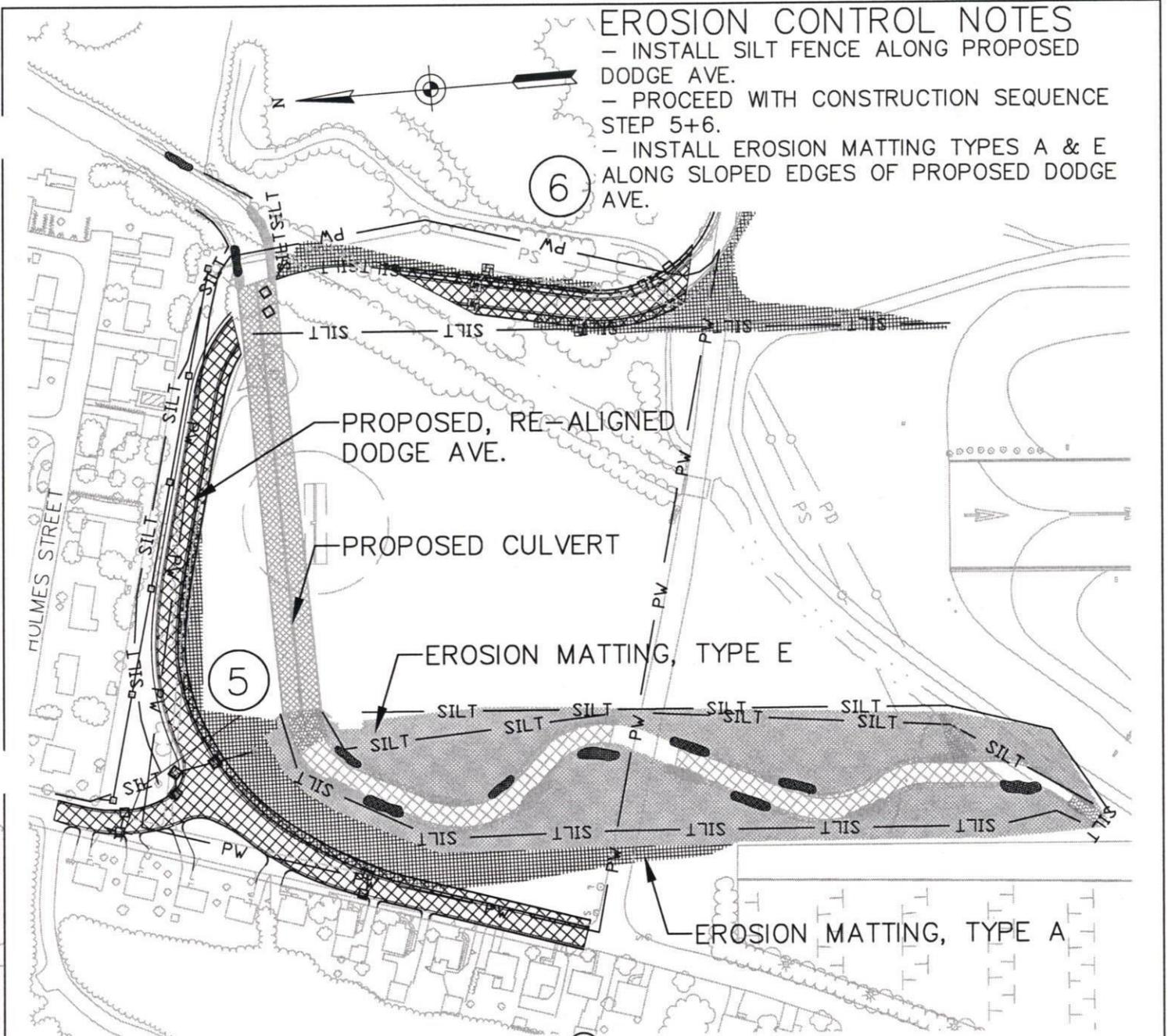


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DRAWING NO.
SEC-11

EROSION CONTROL NOTES

- INSTALL SILT FENCE ALONG PROPOSED DODGE AVE.
- PROCEED WITH CONSTRUCTION SEQUENCE STEP 5+6.
- INSTALL EROSION MATTING TYPES A & E ALONG SLOPED EDGES OF PROPOSED DODGE AVE.



PROPOSED, RE-ALIGNED DODGE AVE.

PROPOSED CULVERT

EROSION MATTING, TYPE E

EROSION MATTING, TYPE A

STEP ⑤

INSTALL A PORTION OF PROPOSED DODGE AVE AND RECONSTRUCT A PORTION OF EXISTING BURR ST. CONTROL VEHICLE TRAFFIC DURING THIS STEP VIA A SEPARATE TRAFFIC CONTROL PLAN. INSTALL PROPOSED WATER, FAA OBSTRUCTION LIGHT POWER AND POLES, FAA PROPOSED POWER AND CONTROL TO PROPOSED LOCALIZER, AND ALL OTHER SUPPORTING ITEMS FOR THIS AREA.

STEP ⑥

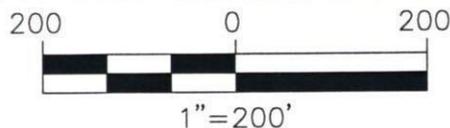
INSTALL A SOUTHEAST PORTION DODGE AVE TO 30' BUFFER LINE FROM EXISTING MORRIS CREEK. CONTROL VEHICLE TRAFFIC DURING THIS STEP VIA A SEPARATE TRAFFIC CONTROL PLAN.

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

RUNWAY 20 CONSTRUCTION PHASING 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: April, 2005

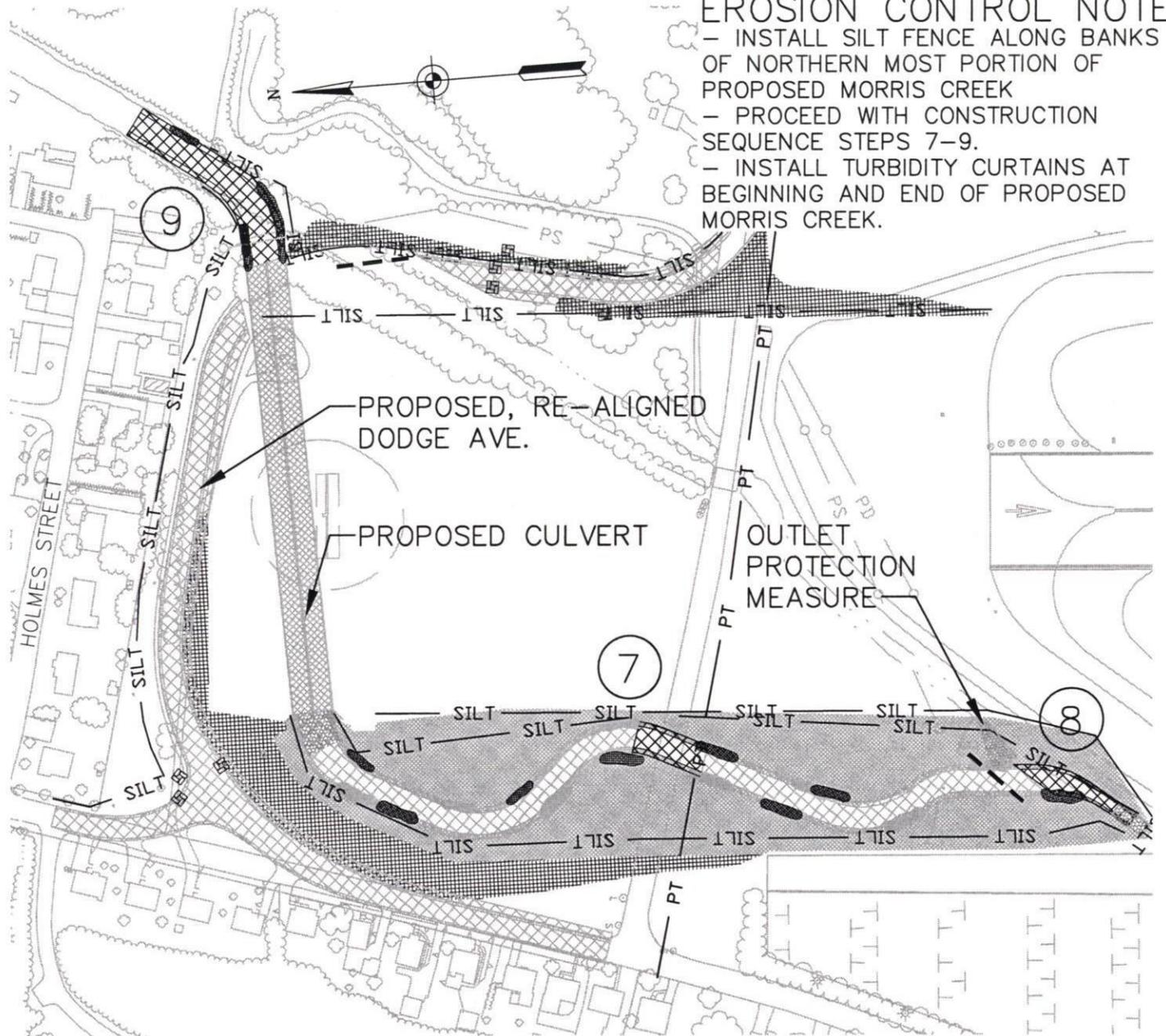


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DRAWING NO.
SEC-12

EROSION CONTROL NOTES

- INSTALL SILT FENCE ALONG BANKS OF NORTHERN MOST PORTION OF PROPOSED MORRIS CREEK
- PROCEED WITH CONSTRUCTION SEQUENCE STEPS 7-9.
- INSTALL TURBIDITY CURTAINS AT BEGINNING AND END OF PROPOSED MORRIS CREEK.



STEP ⑦

CLOSE VEHICLE TRAFFIC TO EXISTING DODGE AVE VIA SEPARATE TRAFFIC CONTROL PLAN. CONSTRUCT CONNECTION OF NORTHWEST TO SOUTHWEST SECTIONS OF MORRIS CREEK.

STEP ⑧

CONSTRUCT CONNECTION OF PROPOSED MORRIS CREEK (SOUTH END) TO EXISTING MORRIS CREEK.

STEP ⑨

CONSTRUCT CONNECTION OF PROPOSED NORTHEAST SECTION OF MORRIS CREEK TO EXISTING MORRIS CREEK. ALLOW FLOW TO DIVERT INTO NEW MORRIS CREEK.

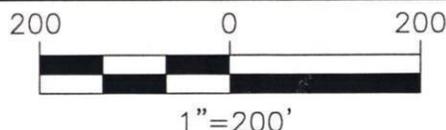
----- TURBIDITY CURTAIN

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

RUNWAY 20 CONSTRUCTION PHASING 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: April, 2005

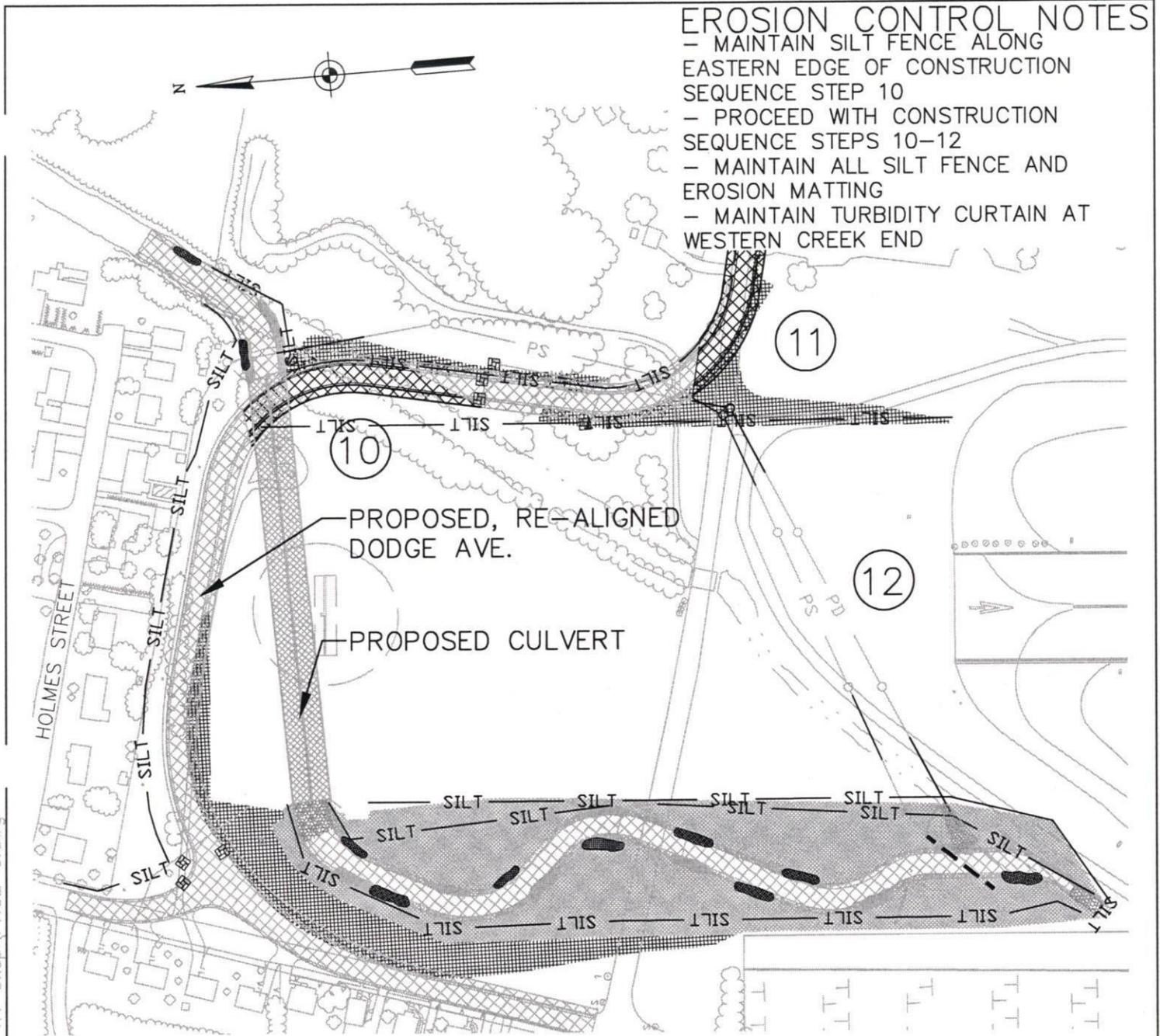


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DRAWING NO.
SEC-13

EROSION CONTROL NOTES

- MAINTAIN SILT FENCE ALONG EASTERN EDGE OF CONSTRUCTION SEQUENCE STEP 10
- PROCEED WITH CONSTRUCTION SEQUENCE STEPS 10-12
- MAINTAIN ALL SILT FENCE AND EROSION MATTING
- MAINTAIN TURBIDITY CURTAIN AT WESTERN CREEK END



STEP 10

CONSTRUCT DODGE AVE OVER EXISTING (DRY) MORRIS CREEK

STEP 11

CONSTRUCT DODGE AVE CONNECTION OF PROPOSED TO EXISTING DODGE AVE. CONTROL THIS STEP WITH A SEPARATE TRAFFIC CONTROL PLAN.

STEP 12

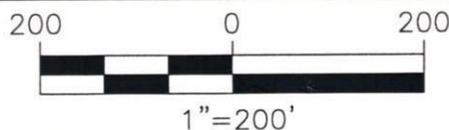
CONSTRUCT REMAINING PIECES OF PROPOSED STORMDRAIN AND SEWER WHERE EXISTING DODGE AVE AND MORRIS CREEK USE TO BE. - - - - - TURBIDITY CURTAIN

Application by:
TWEED-NEW HAVEN AIRPORT AUTHORITY

RUNWAY 20 CONSTRUCTION PHASING 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: April, 2005



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DRAWING NO.
SEC-14

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