

# VOLUME 7 - MITIGATION INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
MIT-1	INDEX OF DRAWINGS	MIT-21	PLANTING PLAN 3 MITIGATION SITE 2
MIT-2	GENERAL NOTES, LEGEND & ABBREVIATIONS	MIT-22	PLANTING PLAN MITIGATION SITE 4
MIT-3	KEY PLAN	MIT-23	TYPICAL DETAILS 1 MITIGATION SITE 1
MIT-4	EXISTING CONDITIONS MITIGATION SITE 1	MIT-24	TYPICAL DETAILS 2 MITIGATION SITE 1
MIT-5	EXISTING CONDITIONS MITIGATION SITE 2	MIT-25	TYPICAL DETAILS 1 MITIGATION SITE 2
MIT-6	EXISTING CONDITIONS MITIGATION SITE 2 & 3	MIT-26	TYPICAL DETAILS 2 MITIGATION SITE 2
MIT-7	EXISTING CONDITIONS MITIGATION SITE 2	MIT-27	TYPICAL DETAILS 3 MITIGATION SITE 2
MIT-8	EXISTING CONDITIONS MITIGATION SITE 4	MIT-28	TYPICAL DETAILS MITIGATION SITE 4
MIT-9	MITIGATION PLAN MITIGATION SITE 1	MIT-29	MITIGATION SITE GENERAL DETAILS
MIT-10	MITIGATION PLAN MITIGATION SITE 2		
MIT-11	MITIGATION PLAN MITIGATION SITE 2 & 3		
MIT-12	MITIGATION PLAN MITIGATION SITE 2		
MIT-13	MITIGATION PLAN MITIGATION SITE 4		
MIT-14	SEDIMENTATION AND EROSION CONTROL SITE 1		
MIT-15	SEDIMENTATION AND EROSION CONTROL SITE 2		
MIT-16	SEDIMENTATION AND EROSION CONTROL SITE 2 & 3		
MIT-17	SEDIMENTATION AND EROSION CONTROL SITE 4		
MIT-18	PLANTING PLAN MITIGATION SITE 1		
MIT-19	PLANTING PLAN 1 MITIGATION SITE 2		
MIT-20	PLANTING PLAN 2 MITIGATION SITE 2		

DESIGNED BY:

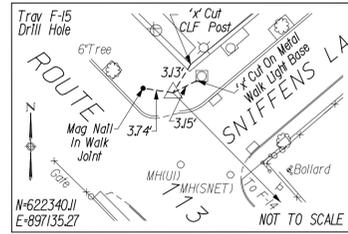
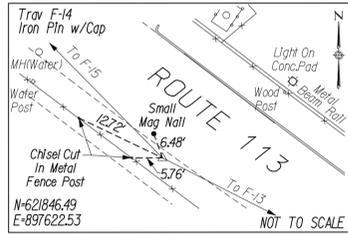
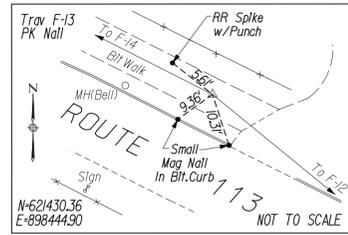
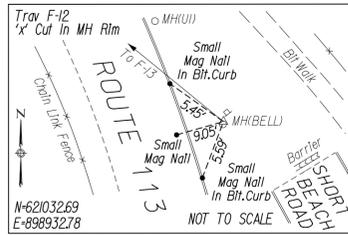


URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

*FOR REVIEW ONLY - NOT FOR CONSTRUCTION*      *FINAL PLANS FOR REVIEW #2*

DESIGNER/DRAFTER: JGR	 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION	 SIGNATURE/ BLOCK:	PROJECT TITLE:  <b>RUNWAY SAFETY AREA PROJECT          IGOR I. SIKORSKY MEMORIAL AIRPORT</b>	TOWN:  <b>STRATFORD</b>	PROJECT NO. <b>15-336</b>		
CHECKED BY: RIF				DRAWING TITLE:  <b>VOLUME 7 - MITIGATION          INDEX OF DRAWINGS</b>	IND-01 <b>IND-7.01</b>		
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 6/27/2013	Filename: ...11147861MIT_Volume7-Cover.dgn	SHEET NO. <b>7.001</b>		

## SURVEY CONTROL POINT FIELD TIES



## SURVEY BENCHMARKS

B.M. -101 Elev. 9.67  
Top Of Hydrant (Operating Nut)  
Based On NGVD Of 1929  
STA. 10+19.5, 19.2'RT

B.M. - '110' Elev. 10.19  
Triple Punch Mark In Bell Manhole Rim  
Based On NGVD Of 1929  
STA. 17+52.6, 277.5'RT

B.M. F-12 Elev. 14.42  
'x' On Bell Manhole Rim  
Based On NGVD Of 1929  
STA. 29+31.6, 19.5'LT

## SURVEY NOTES

NOTES:

1. THIS SURVEY AND MAP HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THRU 20-300b-20, AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. THE TYPE OF SURVEY IS A T-2 TOPOGRAPHIC SURVEY. THE HORIZONTAL AND VERTICAL ACCURACY CONFORMS TO CLASS A-2 & V-2 ACCURACY.

2. BEARINGS REFER TO THE CONNECTICUT COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83) BASED UPON NGS MONUMENTS CONTROL & CONTROL AZ MK.

3. ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) BASED UPON CGS MONUMENT 638 HOLDING THE PUBLISHED ELEVATION OF 10.203.

4. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES, GOVERNMENTAL AGENCIES AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH UNDERGROUND FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO URS CORPORATION AES. THE EXISTENCE, SIZE, TYPE AND LOCATION OF ALL SUCH FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.

## MITIGATION GENERAL NOTES

- THE ENGINEER MAY DIRECT THE CONTRACTOR TO VARY THE PROPOSED WORK DURING CONSTRUCTION TO MEET EXISTING CONDITIONS.
- EXISTING UTILITY INFORMATION SHOWN ON THE CONTRACT DRAWINGS RELATING TO LOCATIONS, CONDITIONS, MATERIALS, ETC. IS NOT GUARANTEED TO BE CORRECT OR COMPLETE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES INCLUDING SERVICES IN THE AREAS OF EXCAVATION.
- THE CONTRACTOR SHALL COMPLY WITH PUBLIC ACT 87-71 OF THE CONNECTICUT STATE STATUTES AND SECTION 16-345 OF THE REGULATIONS OF THE CONNECTICUT DEPARTMENT OF PUBLIC UTILITY CONTROL. THE CONTRACTOR SHALL PROVIDE ADVANCE NOTICE OF AT LEAST TWO FULL WORKING DAYS TO THE "CALL BEFORE YOU DIG" CENTRAL CLEARING HOUSE PRIOR TO ANY EXCAVATION, MILLING, RECLAMATION OR TRENCHING.
- EXCAVATION OF ANY TYPE SHALL BE ACCOMPLISHED IN SUCH A MANNER THAT THE UNDERGROUND UTILITIES OR STRUCTURES ARE NOT DAMAGED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR ANY DAMAGE INCURRED DURING EXCAVATION OPERATIONS. ALL COSTS OF REPAIRS DUE TO CONTRACTOR'S NEGLIGENCE SHALL BE AT THE CONTRACTOR'S EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER.
- ALL COVERS, FRAMES AND GRATES FROM DRAINAGE STRUCTURES ON AIRPORT PROPERTY WHICH BECOME ABANDONED UNDER THIS CONTRACT SHALL BE PROTECTED FROM DAMAGE AND SHALL BE DELIVERED TO THE SIKORSKY MEMORIAL AIRPORT AND SHALL BE STOCKPILED IN A MANNER ACCEPTABLE TO THE AIRPORT.
- ALL UTILITY BOXES, FRAMES, GRATES ETC. NOT TO BE ABANDONED SHALL BE RESET TO THE PROPER GRADE BY THE CONTRACTOR. ALL COST RELATED TO SUCH WORK WILL BE CONSIDERED TO BE INCLUDED IN THE PRICES BID FOR PAVING, SIDEWALK OR OTHER SURFACE CONSTRUCTION.
- WHERE USED, PIPE SLOPES ARE SHOWN IN PERCENT AND LENGTHS ARE FROM CENTER TO CENTER OF STRUCTURES.
- CLEAN EXISTING DRAINAGE SYSTEM LEFT IN PLACE WITHIN PROJECT LIMITS, IN ACCORDANCE WITH SECTION 6.53.
- THE MLW IS AT ELEVATION -2.50 FT. SO SINCE IT IS A NEGATIVE ELEVATION IT IS NOT SHOWN IN THE MAPPING.
- THE ORGANIC & COMPRESSIBLE NATURE OF THE TIDAL WETLAND SOILS MAY PROHIBIT THE USE OF STANDARD CONSTRUCTION EQUIPMENT. THE CONTRACTOR MAY NEED TO USE LOW PRESSURE EQUIPMENT THAT WILL EXERT A MAXIMUM GROUND PRESSURE OF TWO POUNDS PER SQUARE INCH OR LESS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXISTING PHRAGMITE AND OVER EXCAVATION FOR REMOVAL OF RHIZOMES THAT MAY BE IN THE PROPOSED WORK ZONE.

## ABBREVIATIONS

ATT	- AMERICAN TELEPHONE AND TELEGRAPH COMPANY
BCLC	- BITUMINOUS CONCRETE LIP CURBING
BIT.	- BITUMINOUS
BIT. CONC.	- BITUMINOUS CONCRETE
CB	- CATCH BASIN
CBL	- CABLEVISION
CCMP	- COATED CORRUGATED METAL PIPE
C.I.P.	- CAST IRON PIPE
CJL	- COASTAL JURISDICTION LINE
CMU	- CONCRETE MASONRY UNIT
CONC	- CONCRETE
CPEP	- CORRUGATED PLASTIC OR POLYETHYLENE PIPE
D.I.	- DUCTILE IRON
ECM	- EROSION CONTROL MATTING
E.M.A.S.	- ENGINEERED MATERIALS ARRESTOR SYSTEM
EW	- ENDWALL
EXC	- EXCAVATION
G	- GAS
HTL	- HIGH TIDE LINE
INV	- INVERT
LCSTV	- LAND CAPABLE OF SUPPORTING TIDAL VEGETATION
LS	- LUMP SUM
MBR	- METAL BEAM RAIL
MH	- MANHOLE
MHW	- MEAN HIGH WATER
MLW	- MEAN LOW WATER
MPT	- MAINTENANCE AND PROTECTION OF TRAFFIC
NTS	- NOT TO SCALE
OFA	- OBJECT FREE AREA
PAVT.	- PAVEMENT
PERF. CCMP.	- PERFORATED COATED CORRUGATED METAL PIPE
PERF. CPEP.	- PERFORATED CORRUGATED PLSTIC OR POLYETHYLENE PIPE

## ABBREVIATIONS (CONT.)

P.O.A.G.	- POINT OF APPLICATION OF GRADE
PVC	- POLYVINYL CHLORIDE
RC	- REINFORCED CONCRETE
RCCE	- REINFORCED CONCRETE CULVERT END
RCP	- REINFORCED CONCRETE PIPE
R.O.W.	- RIGHT OF WAY
RSA	- RUNWAY SAFETY AREA
S.C.G.	- SOUTHERN CONNECTICUT GAS
SSMH	- SANITARY SEWER MANHOLE
STA.	- STATION
STD.	- STANDARD
SURF.	- SURFACE
TF	- TOP OF FRAME
U'DRAIN	- UNDERDRAIN
U.I.	- UNITED ILLUMINATING
VT	- VITRIFIED TILE
W	- WATER / WEST

## LEGEND

### DESCRIPTION

SEDIMENT CONTROL SYSTEM

HYDRANT

LIGHT

TREE

GAS

ELECTRIC

TELEPHONE

GATE

FENCE

LIMIT OF CUT

LIMIT OF FILL

CURBING

EDGE OF ROAD W/O CURBING

HIGH TIDE LINE (ELEV. 5.90 FT.)

COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)

MEAN HIGH WATER (ELEV. 4.24 FT.)

MEAN LOW WATER (ELEV. -2.50 FT.)

TIDAL VEGETATION LINE

100 YR. FLOOD LIMIT

TAKING LINE

PROPERTY LINE

EASEMENT LINE

BASE LINE

VIOLA

LEPTOCHLOA

ARISTIDA

SALINITY POINT

PHRAGMITES

INVASIVE SPECIES

SPARTINA TIDAL MARSH

LIMIT OF DISTURBANCE

EROSION CONTROL

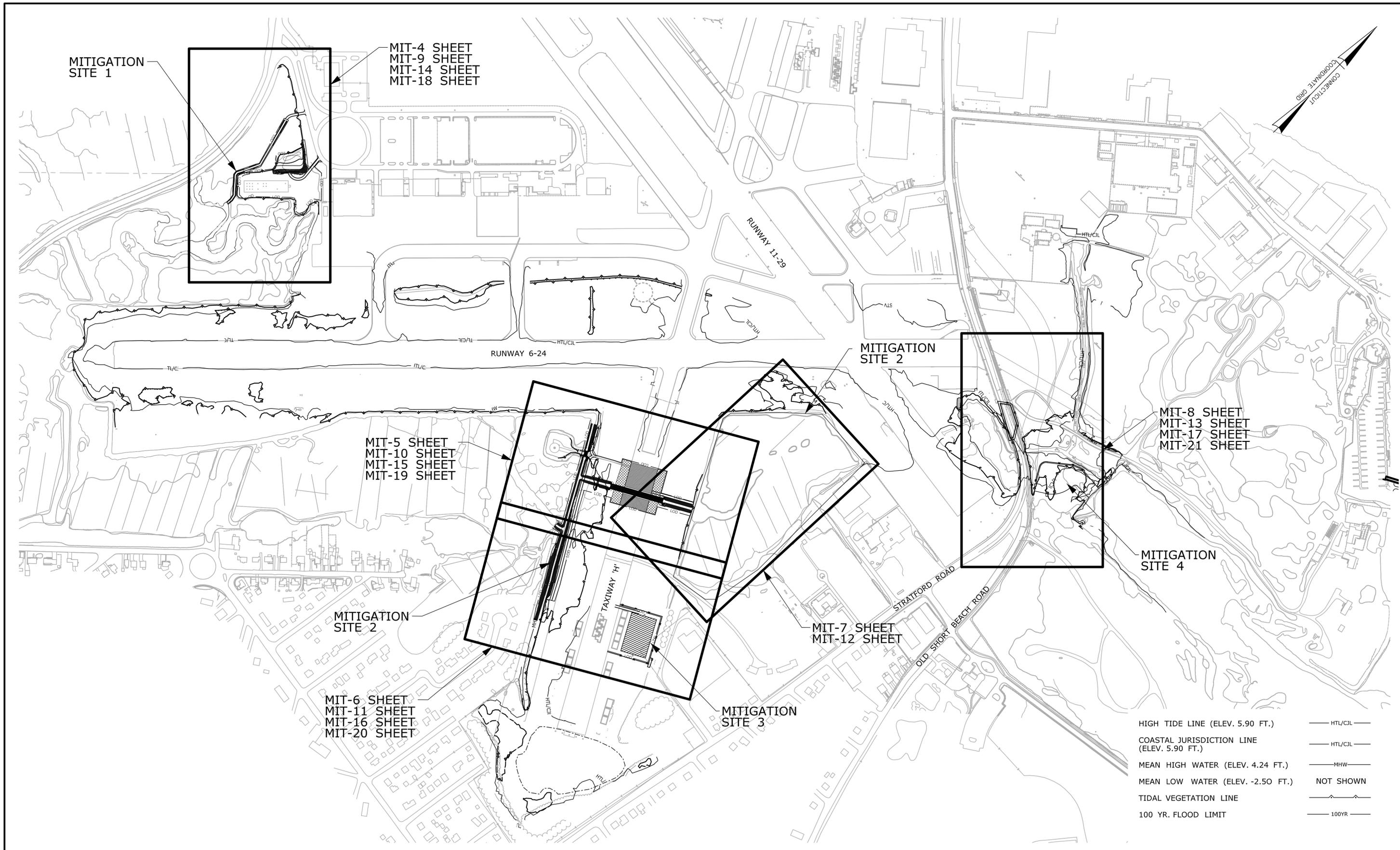
SECURITY FENCE

### EXISTING

### PROPOSED

SEDIMENT CONTROL SYSTEM		
HYDRANT		
LIGHT		
TREE		
GAS		
ELECTRIC		
TELEPHONE		
GATE		
FENCE		
LIMIT OF CUT	N/A	
LIMIT OF FILL	N/A	
CURBING		
EDGE OF ROAD W/O CURBING		
HIGH TIDE LINE (ELEV. 5.90 FT.)		
COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)		
MEAN HIGH WATER (ELEV. 4.24 FT.)		
MEAN LOW WATER (ELEV. -2.50 FT.)	NOT SHOWN	
TIDAL VEGETATION LINE		
100 YR. FLOOD LIMIT		
TAKING LINE		
PROPERTY LINE		
EASEMENT LINE		
BASE LINE		
VIOLA		
LEPTOCHLOA		
ARISTIDA		
SALINITY POINT		
PHRAGMITES		
INVASIVE SPECIES		
SPARTINA TIDAL MARSH		
LIMIT OF DISTURBANCE		
EROSION CONTROL		
SECURITY FENCE		

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: JGR CHECKED BY: RIF SCALE IN FEET  SCALE 1"=40'	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Signature/Block:	PROJECT TITLE: RUNWAY SAFETY AREA PROJECT IGOR I. SIKORSKY MEMORIAL AIRPORT	TOWN: STRATFORD DRAWING TITLE: GENERAL NOTES, LEGEND & ABBREVIATIONS	PROJECT NO. 15-336 DRAWING NO. MIT-2 SHEET NO. 7.002
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 6/27/2013 Filename: ...11147861MIT_GenNotes.dgn		



MITIGATION SITE 1

MIT-4 SHEET  
MIT-9 SHEET  
MIT-14 SHEET  
MIT-18 SHEET

MIT-5 SHEET  
MIT-10 SHEET  
MIT-15 SHEET  
MIT-19 SHEET

MITIGATION SITE 2

MIT-6 SHEET  
MIT-11 SHEET  
MIT-16 SHEET  
MIT-20 SHEET

MITIGATION SITE 3

MIT-7 SHEET  
MIT-12 SHEET

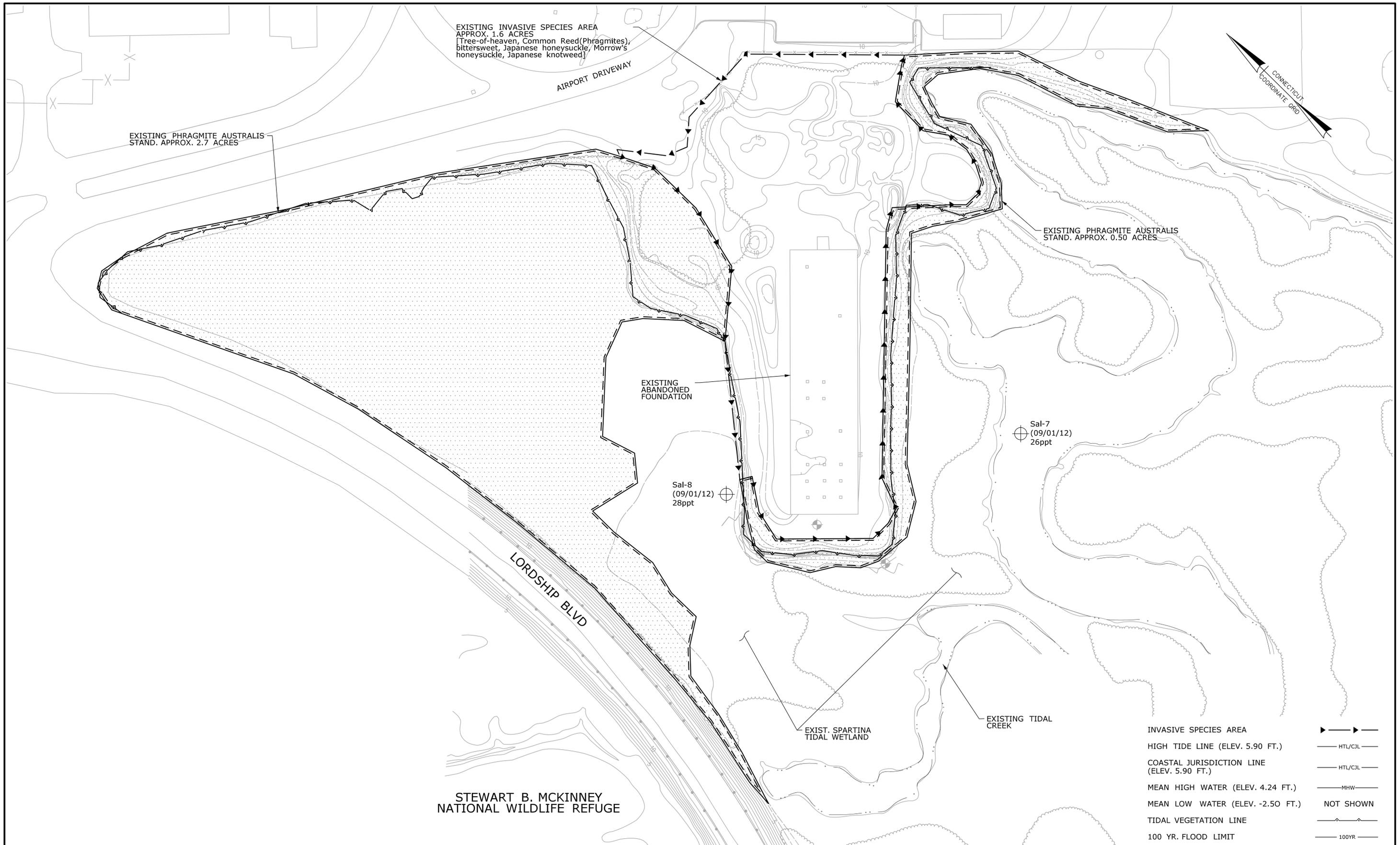
MITIGATION SITE 2

MIT-8 SHEET  
MIT-13 SHEET  
MIT-17 SHEET  
MIT-21 SHEET

MITIGATION SITE 4

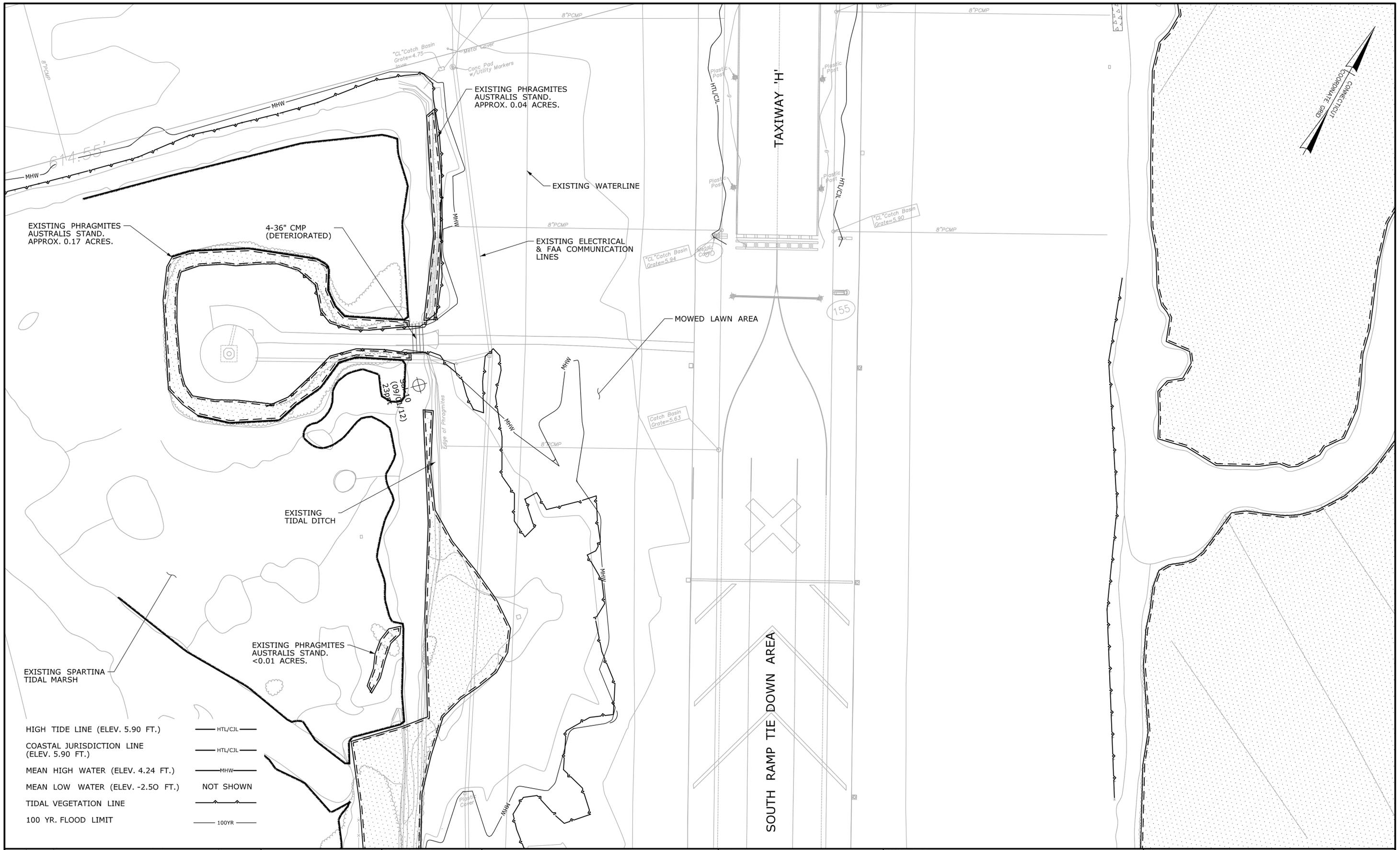
- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/CIL —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/CIL —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) NOT SHOWN
- TIDAL VEGETATION LINE —
- 100 YR. FLOOD LIMIT — 100YR —

		DESIGNER/DRAFTER: CHECKED BY:	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b>	SIGNATURE/ BLOCK:	PROJECT TITLE: <b>RUNWAY SAFETY AREA PROJECT</b> <b>IGOR. I. SIKORSKY MEMORIAL AIRPORT</b>	TOWN: <b>STRATFORD</b>	<b>15-336</b> DRAWING NO. <b>MIT-3</b> SHEET NO. <b>7.003</b>	
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INVASIVE SPECIES AREA	▶—▶—▶—▶
HIGH TIDE LINE (ELEV. 5.90 FT.)	—HTL/CJL—
COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)	—HTL/CJL—
MEAN HIGH WATER (ELEV. 4.24 FT.)	—MHW—
MEAN LOW WATER (ELEV. -2.50 FT.)	NOT SHOWN
TIDAL VEGETATION LINE	—TIDAL—
100 YR. FLOOD LIMIT	—100YR—

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK:	PROJECT TITLE:	TOWN:	PROJECT NO.:
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REV. DATE    REVISION DESCRIPTION    SHEET NO.	Plotted: 6/27/2013	Filename: ...11147881MIT.01_EXCNDTN.dgn	DRAWING TITLE:	EXISTING CONDITIONS LORDSHIP BLVD MITIGATION SITE 1	SHEET NO.:	MIT-4 7.004



- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/CJL —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/CJL —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) NOT SHOWN
- TIDAL VEGETATION LINE — TIDAL VEG —
- 100 YR. FLOOD LIMIT — 100YR —

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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**STATE OF CONNECTICUT**  
 DEPARTMENT OF TRANSPORTATION

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PROJECT TITLE:  
**RUNWAY SAFETY AREA PROJECT**  
**IGOR. I. SIKORSKY MEMORIAL AIRPORT**

TOWN:  
**STRATFORD**

DRAWING TITLE:  
**EXISTING CONDITIONS**  
**WEST OF SOUTH RAMP**  
**MITIGATION SITE 2**

PROJECT NO.  
**15-336**

DRAWING NO.  
**MIT-5**

SHEET NO.  
**7.005**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 6/27/2013

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CHECKED BY:

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SCALE 1"=40'


**STATE OF CONNECTICUT**  
**DEPARTMENT OF TRANSPORTATION**

Filename: ...11147861MIT.02A\_EXCNDTN.dgn

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PROJECT TITLE:

**RUNWAY SAFETY AREA PROJECT**  
**IGOR. I. SIKORSKY MEMORIAL AIRPORT**

TOWN:

**STRATFORD**

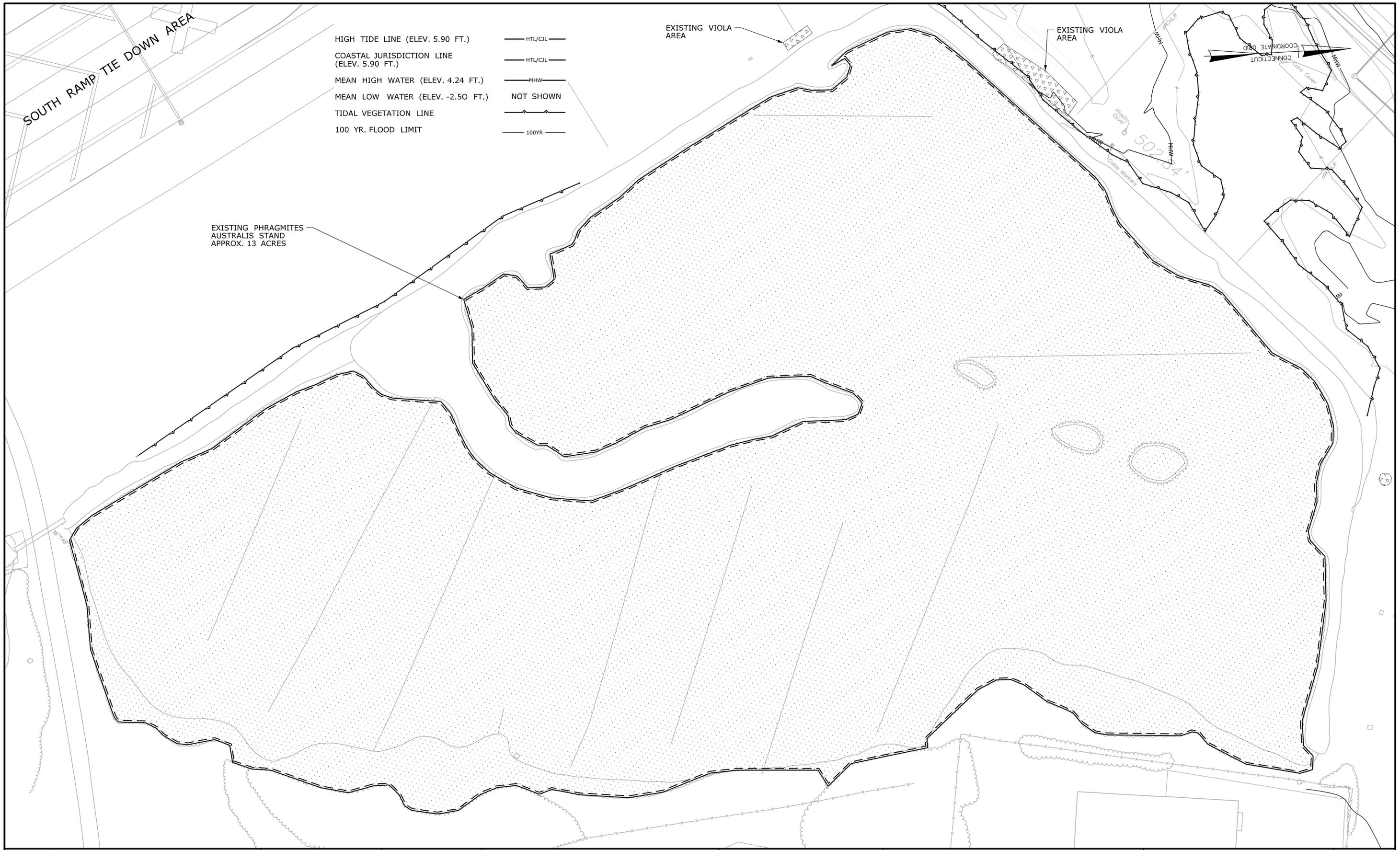
DRAWING TITLE:

**EXISTING CONDITIONS**  
**SOUTH RAMP**  
**MITIGATION SITE 2 & 3**

PROJECT NO. **15-336**

DRAWING NO. **MIT-6**

SHEET NO. **7.006**



- HIGH TIDE LINE (ELEV. 5.90 FT.)
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)
- MEAN HIGH WATER (ELEV. 4.24 FT.)
- MEAN LOW WATER (ELEV. -2.50 FT.)
- TIDAL VEGETATION LINE
- 100 YR. FLOOD LIMIT

- HTL/CIL
- HTL/CIL
- MHW
- NOT SHOWN
- 100YR

SOUTH RAMP TIE DOWN AREA

EXISTING VIOLA AREA

EXISTING VIOLA AREA

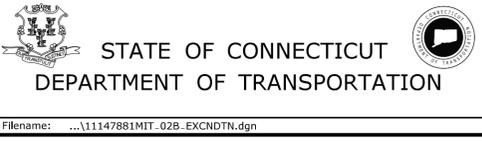
EXISTING PHRAGMITES AUSTRALIS STAND APPROX. 13 ACRES



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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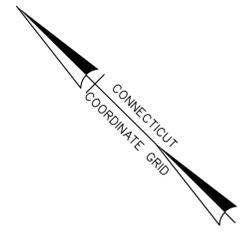


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PROJECT TITLE:  
RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN:  
STRATFORD  
DRAWING TITLE:  
EXISTING CONDITIONS  
EAST OF SOUTH RAMP  
MITIGATION SITE 2

PROJECT NO.  
15-336  
DRAWING NO.  
MIT-7  
SHEET NO.  
7.007



LIMITS OF RAYMARK WASTE (SEE NOTE 1)

EXISTING PHRAGMITES AUSTRALIS STAND. WITHIN SITE 4 PROJECT LIMITS APPROX. 1.04 ACRES.

EXISTING CT ROUTE 113 (MAINE STREET)

STRATFORD ROAD

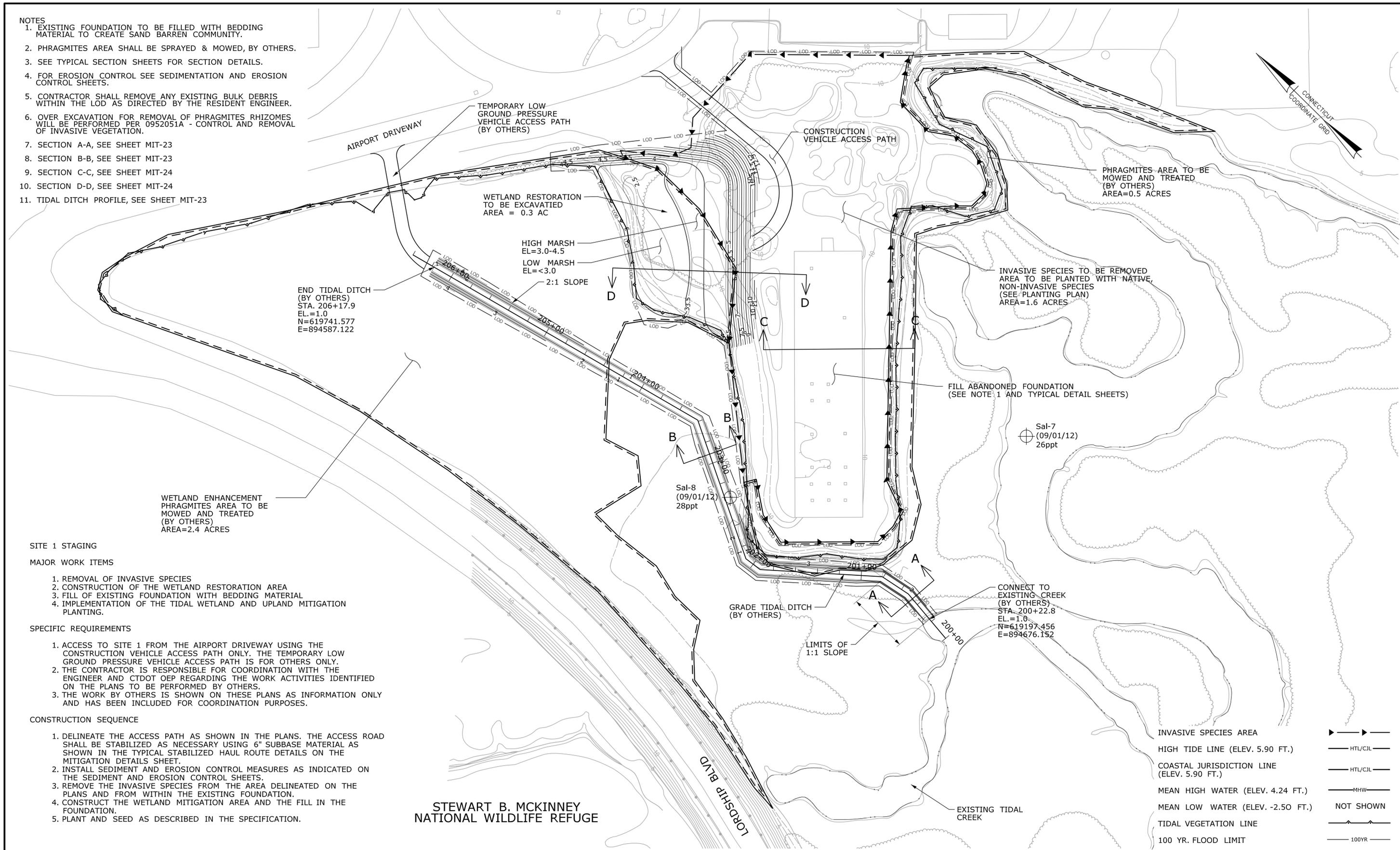
OLD SHORT BEACH ROAD

NOTES  
1. LIMITS OF RAYMARK WASTE AS DEFINED BY THE "SITE ASSESSMENT REPORT" DATED JANUARY 3, 2013 PREPARED BY URS.

HIGH TIDE LINE (ELEV. 5.90 FT.)	HTL/CIL
COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)	HTL/CIL
MEAN HIGH WATER (ELEV. 4.24 FT.)	MHW
MEAN LOW WATER (ELEV. -2.50 FT.)	NOT SHOWN
TIDAL VEGETATION LINE	
100 YR. FLOOD LIMIT	100YR

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: CHECKED BY: SCALE IN FEET 0 40 80 SCALE 1"=40'	 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK:	PROJECT TITLE: <b>RUNWAY SAFETY AREA PROJECT</b> <b>IGOR. I. SIKORSKY MEMORIAL AIRPORT</b>	TOWN: <b>STRATFORD</b>	PROJECT NO. <b>15-336</b> DRAWING NO. <b>MIT-8</b> SHEET NO. <b>7.008</b>
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 6/27/2013	Filename: ...11147881MIT.04_EXCNDTN.dgn		DRAWING TITLE: <b>EXISTING CONDITIONS</b> <b>ROUTE 113 ROADWAY</b> <b>MITIGATION SITE 4</b>	

- NOTES
- EXISTING FOUNDATION TO BE FILLED WITH BEDDING MATERIAL TO CREATE SAND BARREN COMMUNITY.
  - PHRAGMITES AREA SHALL BE SPRAYED & MOWED, BY OTHERS.
  - SEE TYPICAL SECTION SHEETS FOR SECTION DETAILS.
  - FOR EROSION CONTROL SEE SEDIMENTATION AND EROSION CONTROL SHEETS.
  - CONTRACTOR SHALL REMOVE ANY EXISTING BULK DEBRIS WITHIN THE LOD AS DIRECTED BY THE RESIDENT ENGINEER.
  - OVER EXCAVATION FOR REMOVAL OF PHRAGMITES RHIZOMES WILL BE PERFORMED PER 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION.
  - SECTION A-A, SEE SHEET MIT-23
  - SECTION B-B, SEE SHEET MIT-23
  - SECTION C-C, SEE SHEET MIT-24
  - SECTION D-D, SEE SHEET MIT-24
  - TIDAL DITCH PROFILE, SEE SHEET MIT-23



SITE 1 STAGING

MAJOR WORK ITEMS

- REMOVAL OF INVASIVE SPECIES
- CONSTRUCTION OF THE WETLAND RESTORATION AREA
- FILL OF EXISTING FOUNDATION WITH BEDDING MATERIAL
- IMPLEMENTATION OF THE TIDAL WETLAND AND UPLAND MITIGATION PLANTING.

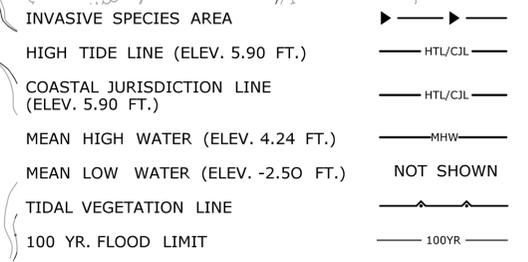
SPECIFIC REQUIREMENTS

- ACCESS TO SITE 1 FROM THE AIRPORT DRIVEWAY USING THE CONSTRUCTION VEHICLE ACCESS PATH ONLY. THE TEMPORARY LOW GROUND PRESSURE VEHICLE ACCESS PATH IS FOR OTHERS ONLY.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE ENGINEER AND CTDOT OEP REGARDING THE WORK ACTIVITIES IDENTIFIED ON THE PLANS TO BE PERFORMED BY OTHERS.
- THE WORK BY OTHERS IS SHOWN ON THESE PLANS AS INFORMATION ONLY AND HAS BEEN INCLUDED FOR COORDINATION PURPOSES.

CONSTRUCTION SEQUENCE

- DELINEATE THE ACCESS PATH AS SHOWN IN THE PLANS. THE ACCESS ROAD SHALL BE STABILIZED AS NECESSARY USING 6" SUBBASE MATERIAL AS SHOWN IN THE TYPICAL STABILIZED HAUL ROUTE DETAILS ON THE MITIGATION DETAILS SHEET.
- INSTALL SEDIMENT AND EROSION CONTROL MEASURES AS INDICATED ON THE SEDIMENT AND EROSION CONTROL SHEETS.
- REMOVE THE INVASIVE SPECIES FROM THE AREA DELINEATED ON THE PLANS AND FROM WITHIN THE EXISTING FOUNDATION.
- CONSTRUCT THE WETLAND MITIGATION AREA AND THE FILL IN THE FOUNDATION.
- PLANT AND SEED AS DESCRIBED IN THE SPECIFICATION.

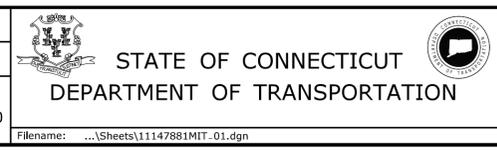
STEWART B. MCKINNEY NATIONAL WILDLIFE REFUGE



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

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SCALE 1"=40'



SIGNATURE/BLOCK:  
PROJECT TITLE:  
TOWN:

RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

STRATFORD  
DRAWING TITLE:  
MITIGATION PLAN  
LORDSHIP BLVD  
MITIGATION SITE 1

PROJECT NO. 15-336  
DRAWING NO. MIT-9  
SHEET NO. 7.009

- NOTES
- EXISTING CONTOURS SHOWN AT 1.0 FOOT INTERVALS.
  - PROPOSED FINAL CONTOURS SHOWN AT 0.5 FOOT INTERVALS
  - SEE TYPICAL SECTIONS SHEETS FOR SECTION DETAILS.
  - OVER EXCAVATION FOR REMOVAL OF PHRAGMITES RHIZOMES WILL BE PERFORMED PER 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION.
  - SECTION B-B, SEE SHEET MIT-25
  - SECTION C-C, SEE SHEET MIT-26
  - SECTION D-D, SEE SHEET MIT-26
  - TIDAL DITCH PROFILE AND ELEVATIONS, SEE SHEET MIT-25
  - HYDRAULIC CONNECTION DITCH PROFILE AND ELEVATIONS, SEE SHEET MIT-26

BEG. REGRADE OF TIDAL DITCH  
N=619745.397  
E=896939.642

SPECIAL WING TYPE ENDWALL  
STA. 101+89.0  
INV EL.=0.00

PROP. 4-36" RCP PIPE  
MAINTAIN INVERT ELEVATION.

PHRAGMITES AREA TO BE MOWED AND TREATED APPROX. 0.17 ACRES (BY OTHERS)

VHF OMNIDIRECTIONAL RANGE (VOR) STATION

SPECIAL WING TYPE ENDWALL  
STA. 102+17.5  
INV EL.=0.00

LIMIT OF WORK  
SEE STAGING NOTES

ELECTRICAL / COMMUNICATIONS LINE TO BE RELOCATED BY FAA. (SEE NOTE 3; SPECIFIC REQUIREMENTS)

PHRAGMITES AREA TO BE MOWED AND TREATED 0.01 ACRES (BY OTHERS)

EXISTING SPARTINA TIDAL MARSH

CONNECT TO EXISTING TIDAL DITCH  
STA. 106+17.5  
OFFSET 51.8' RT  
N=619211.987  
E=897178.387

PHRAGMITES AREA TO BE MOWED AND TREATED APPROX. 0.4 ACRES (BY OTHERS)

EXISTING WATERLINE

EXISTING ELECTRICAL & FAA COMMUNICATION LINES

CONSTRUCTION VEHICLE ACCESS PATH (SEE GENERAL NOTES)

EXISTING VOR ACCESS ROAD

SPECIAL WING TYPE ENDWALL  
INV EL.=0.00  
N=619571.605  
E=897244.295

REGRADED TIDAL DITCH (BY OTHERS)

PHRAGMITES AREA TO BE MOWED AND TREATED APPROX. 0.93 ACRES (BY OTHERS)

RELOCATE WATER LINE WITH SLEEVE

TAXIWAY "H" BASELINE

SITE 2 STAGING CONTINUED

- TAXIWAY PAVEMENT REMOVAL/MILLING HAS BEEN COMPLETED.
- REMOVAL OF THE TAXIWAY SHOULDER PAVEMENT AND THE MILLING OF THE REMAINING TAXIWAY AREA SHALL BE COMPLETED USING THE DETAILS IN THE MITIGATIONS PLANS.
  - PLACE TOPSOIL, SEED AND MULCH THE DISTURBED UNPAVED AREAS ADJACENT TO THE RUNWAY.
  - THE HYDRAULIC CONNECTION DITCH EARTH PLUG TO BE REMOVED WHEN ALL CONSTRUCTION WORK COMPLETE.

- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/C/L —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/C/L —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) — NOT SHOWN
- TIDAL VEGETATION LINE —
- 100 YR. FLOOD LIMIT — 100YR —
- PAVEMENT MILLING —
- PAVEMENT REMOVAL —
- CONSTRUCTION VEHICLE TRAVEL PATH —

- SITE 2 STAGING MAJOR WORK ITEMS
- CONSTRUCTION OF NEW HYDRAULIC CONNECTION UNDER TAXIWAY 'H' WHICH CONSISTS OF APPROX 250' OF A NEW DITCH AND APPROX 300' OF TRIPLE 36" RCP PIPES WITH HEADWALLS.
  - REPLACEMENT OF FOUR EXISTING 36" CMP PIPES WITH 4-36" RCP PIPES WITH HEADWALLS UNDER THE VOR ACCESS ROAD.
  - REMOVAL OF 50' OF EXISTING RUNWAY SHOULDER PAVEMENT ON EITHER SIDE OF THE RUNWAY FOR A LENGTH OF 240 FEET TO SUPPORT THE NEW HYDRAULIC CONNECTION.
  - MILLING OF THE EXISTING RUNWAY FOR APPROX 240 FEET TO SUPPORT THE NEW HYDRAULIC CONNECTION.
  - RELOCATION OF A SECTION OF AN EXISTING WATERLINE ON THE WEST SIDE OF RUNWAY 'H' WHERE IT CONFLICTS WITH THE NEW HYDRAULIC CONNECTION.

- SPECIFIC REQUIREMENTS
- CONSTRUCTION ACCESS TO SITE 2 WILL BE FROM THE AIRPORT ACCESS ROAD FROM STRATFORD ROAD ON THE EAST SIDE OF THE TAXIWAY AT APPROX STATION 516+30. CONSTRUCTION VEHICLES WILL CROSS THE TAXIWAY AND TRAVEL ALONG THE WESTERN TAXIWAY SHOULDER TO THE PAVEMENT REMOVAL AREA. FROM THE PAVEMENT REMOVAL AREA THE CONSTRUCTION VEHICLES CAN ACCESS THE EXISTING DITCH AND CMP'S AT THE VOR ACCESS ROAD WITHIN THE LIMIT OF DISTURBANCE AREA. THE TEMPORARY LOW GROUND PRESSURE VEHICLE ACCESS PATH IS FOR OTHERS ONLY. THE CONTRACTOR IS TO USE LOW PRESSURE EQUIPMENT FOR ALL TIDAL DITCH WORK.
  - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE ENGINEER AND CTDOT OEP REGARDING THE WORK ACTIVITIES IDENTIFIED ON THE PLANS TO BE PERFORMED BY OTHERS.
  - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH FAA REGARDING THE RELOCATION OF THE ELECTRICAL/COMMUNICATION LINES.
  - THE WORK BY OTHERS IS SHOWN ON THESE PLANS AS INFORMATION ONLY AND HAS BEEN INCLUDED FOR COORDINATION PURPOSES.

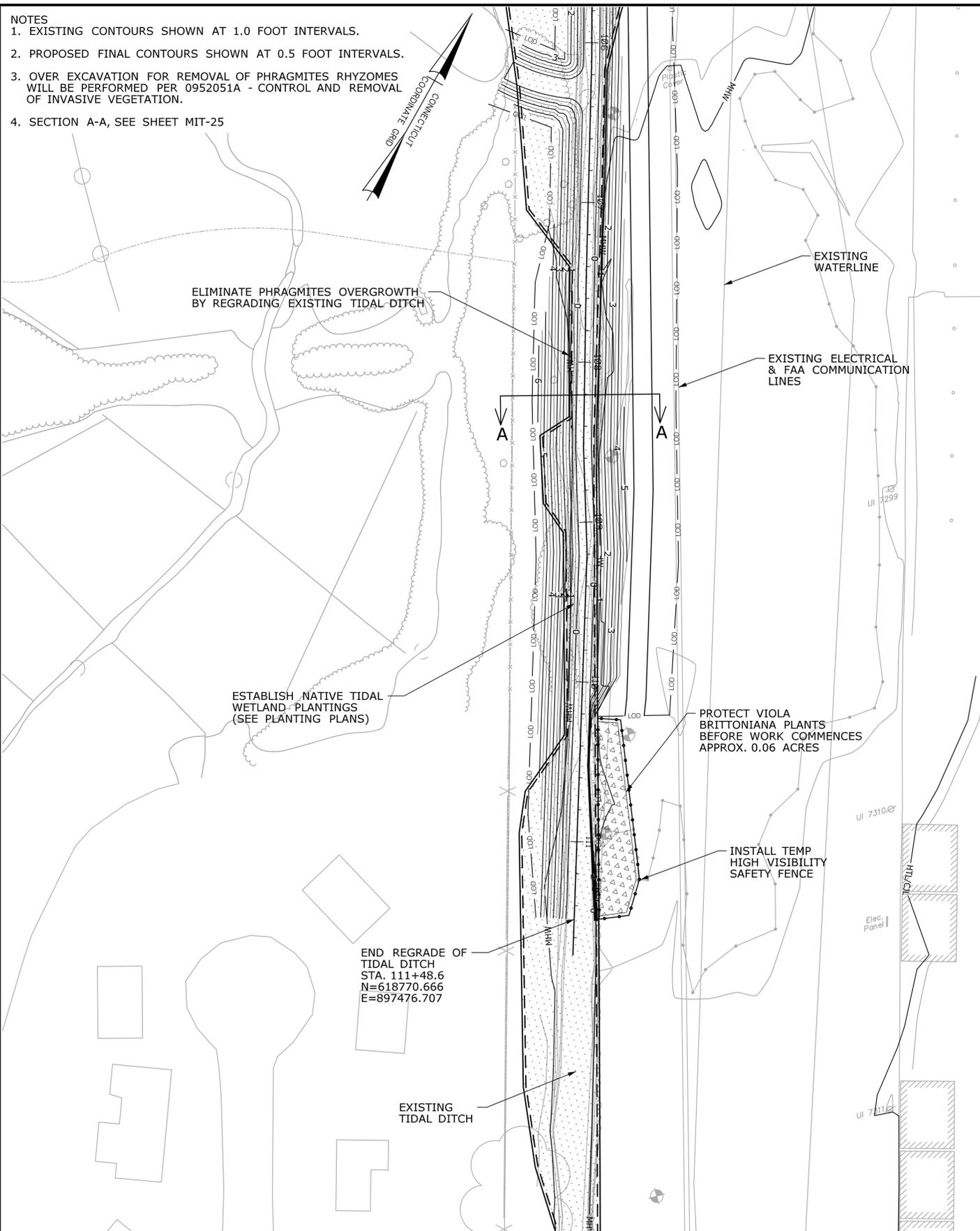
- CONSTRUCTION SEQUENCE
- DELINEATE THE ACCESS PATHS AS SHOWN IN THE PLANS. ACCESS ROAD STABILIZATIONS ARE NOT ANTICIPATED HOWEVER IF IT BECOMES NECESSARY FOR TEMPORARY ACCESS THE CONTRACTOR SHALL USE THE STABILIZED HAUL ROUTE DETAILS ON THE MITIGATION DETAILS SHEET.
  - INSTALL SEDIMENT AND EROSION CONTROL MEASURES AS INDICATED ON THE SEDIMENT AND EROSION CONTROL SHEETS.

- REPLACEMENT OF VOR DRAINAGE CULVERT
- CONSTRUCT THE TEMPORARY DISCHARGE SEDIMENTATION BASIN WEST OF THE DEWATERING LOCATION ON STABILIZED GROUND AS SHOWN IN THE SEDIMENT AND EROSION CONTROL PLANS. (THE LOCATION MAY BE REVISED BASED ON THE NOTES IN THE DETAILS OR AS DIRECTED BY THE ENGINEER).
  - PLACE SAND BAGS WITHIN THE EXISTING TIDAL DITCH BOTH NORTH AND SOUTH OF THE EXISTING VOR ACCESS ROAD.
  - BEGIN DEWATERING OPERATION IN CONJUNCTION WITH THEREMOVAL OF THE EXISTING CMP PIPES.
  - CONTINUE DEWATERING AND CONSTRUCT NEW RE-INFORCED CONCRETE PIPES AND HEADWALL. (CONSIDER PRECAST HEADWALL TO MINIMIZE DEWATERING EFFORT).
  - REGRADE THE EXISTING TIDAL DITCH.
  - REMOVE THE SAND BAGS FROM THE TIDAL DITCH.

- RELOCATION OF EXISTING WATER LINE
- CONSTRUCT THE TEMPORARY DISCHARGE SEDIMENTATION BASIN ON THE WEST RUNWAY SHOULDER SOUTHEAST OF THE DEWATERING LOCATION ON STABILIZED GROUND. (THE

<p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p>		<p>DESIGNER/DRAFTER:</p>	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	<p>SIGNATURE/ BLOCK:</p>	<p>PROJECT TITLE:</p> <p>RUNWAY SAFETY AREA PROJECT IGOR. I. SIKORSKY MEMORIAL AIRPORT</p>	<p>TOWN:</p> <p>STRATFORD</p>	<p>PROJECT NO.:</p> <p>15-336</p>
<p>REV. DATE</p>	<p>REVISION DESCRIPTION</p>	<p>CHECKED BY:</p>		<p>SCALE IN FEET</p> <p>0 40 80</p> <p>SCALE 1"=40'</p>	<p>FILENAME:</p> <p>...S\Sheets\11147881MIT_02.dgn</p>	<p>DRAWING TITLE:</p> <p>MITIGATION PLAN WEST OF SOUTH RAMP MITIGATION SITE 2</p>	<p>SHEET NO.:</p> <p>7.010</p>

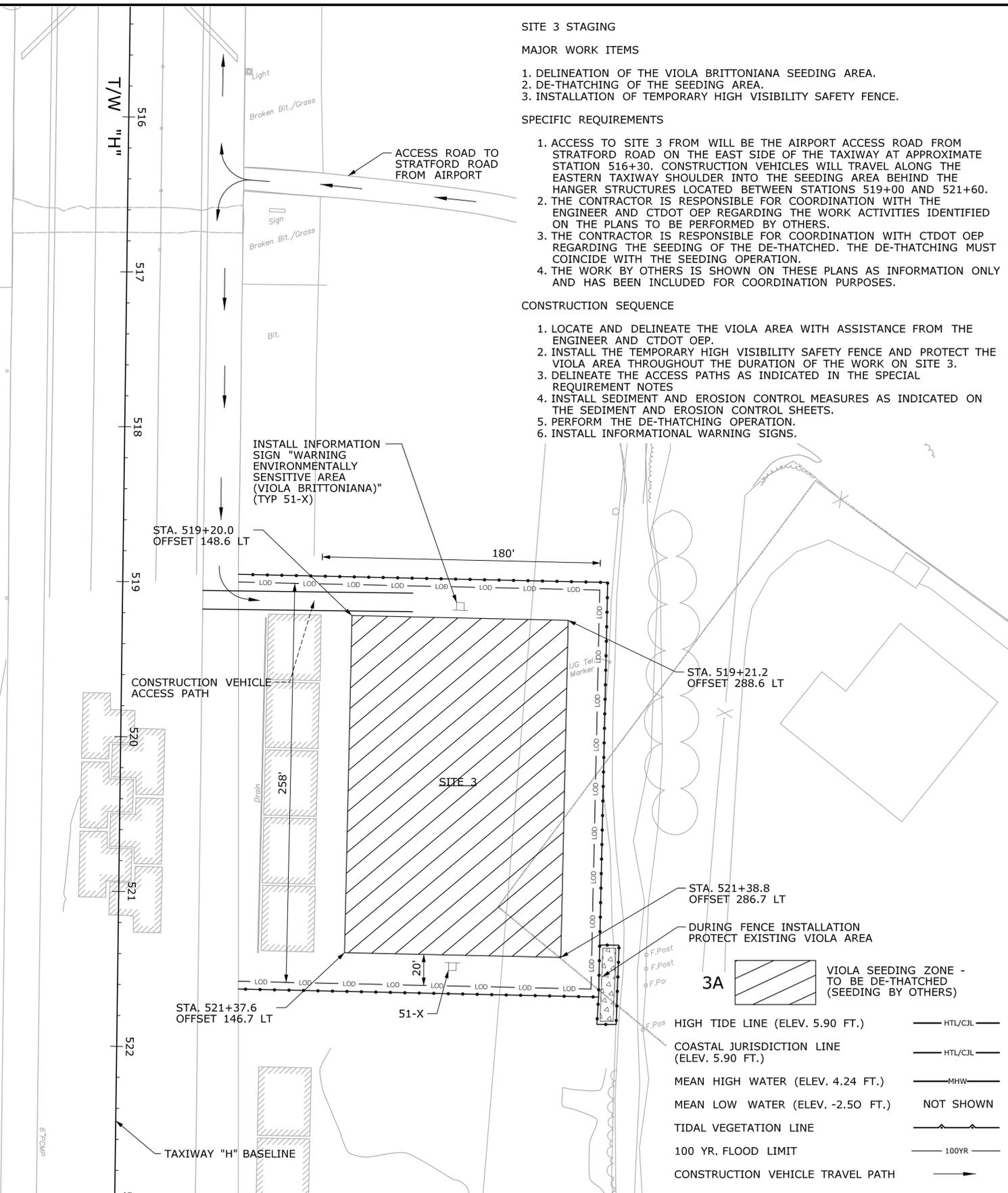
- NOTES
- EXISTING CONTOURS SHOWN AT 1.0 FOOT INTERVALS.
  - PROPOSED FINAL CONTOURS SHOWN AT 0.5 FOOT INTERVALS.
  - OVER EXCAVATION FOR REMOVAL OF PHRAGMITES RHYZOMES WILL BE PERFORMED PER 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION.
  - SECTION A-A, SEE SHEET MIT-25



- SITE 3 STAGING
- MAJOR WORK ITEMS
- DELINEATION OF THE VIOLA BRITTONIANA SEEDING AREA.
  - DE-THATCHING OF THE SEEDING AREA.
  - INSTALLATION OF TEMPORARY HIGH VISIBILITY SAFETY FENCE.

- SPECIFIC REQUIREMENTS
- ACCESS TO SITE 3 FROM WILL BE THE AIRPORT ACCESS ROAD FROM STRATFORD ROAD ON THE EAST SIDE OF THE TAXIWAY AT APPROXIMATE STATION 516+30. CONSTRUCTION VEHICLES WILL TRAVEL ALONG THE EASTERN TAXIWAY SHOULDER INTO THE SEEDING AREA BEHIND THE HANGER STRUCTURES LOCATED BETWEEN STATIONS 519+00 AND 521+60.
  - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE ENGINEER AND CTDOT OEP REGARDING THE WORK ACTIVITIES IDENTIFIED ON THE PLANS TO BE PERFORMED BY OTHERS.
  - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH CTDOT OEP REGARDING THE SEEDING OF THE DE-THATCHED. THE DE-THATCHING MUST COINCIDE WITH THE SEEDING OPERATION.
  - THE WORK BY OTHERS IS SHOWN ON THESE PLANS AS INFORMATION ONLY AND HAS BEEN INCLUDED FOR COORDINATION PURPOSES.

- CONSTRUCTION SEQUENCE
- LOCATE AND DELINEATE THE VIOLA AREA WITH ASSISTANCE FROM THE ENGINEER AND CTDOT OEP.
  - INSTALL THE TEMPORARY HIGH VISIBILITY SAFETY FENCE AND PROTECT THE VIOLA AREA THROUGHOUT THE DURATION OF THE WORK ON SITE 3.
  - DELINEATE THE ACCESS PATHS AS INDICATED IN THE SPECIAL REQUIREMENT NOTES
  - INSTALL SEDIMENT AND EROSION CONTROL MEASURES AS INDICATED ON THE SEDIMENT AND EROSION CONTROL SHEETS.
  - PERFORM THE DE-THATCHING OPERATION.
  - INSTALL INFORMATIONAL WARNING SIGNS.



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DEPARTMENT OF TRANSPORTATION

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PROJECT TITLE:

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PROJECT TITLE:

RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN: STRATFORD

DRAWING TITLE: MITIGATION PLAN WEST OF SOUTH RAMP MITIGATION SITE 2 & 3

PROJECT NO. 15-336

DRAWING NO. MIT-11

SHEET NO. 7.011



HIGH TIDE LINE (ELEV. 5.90 FT.)  
 COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)  
 MEAN HIGH WATER (ELEV. 4.24 FT.)  
 MEAN LOW WATER (ELEV. -2.50 FT.)  
 TIDAL VEGETATION LINE  
 100 YR. FLOOD LIMIT

HTL/CJL  
 HTL/CJL  
 MHW  
 NOT SHOWN  
 100YR

SOUTH RAMP  
TIE DOWN AREA

EXISTING VIOLA  
AREA

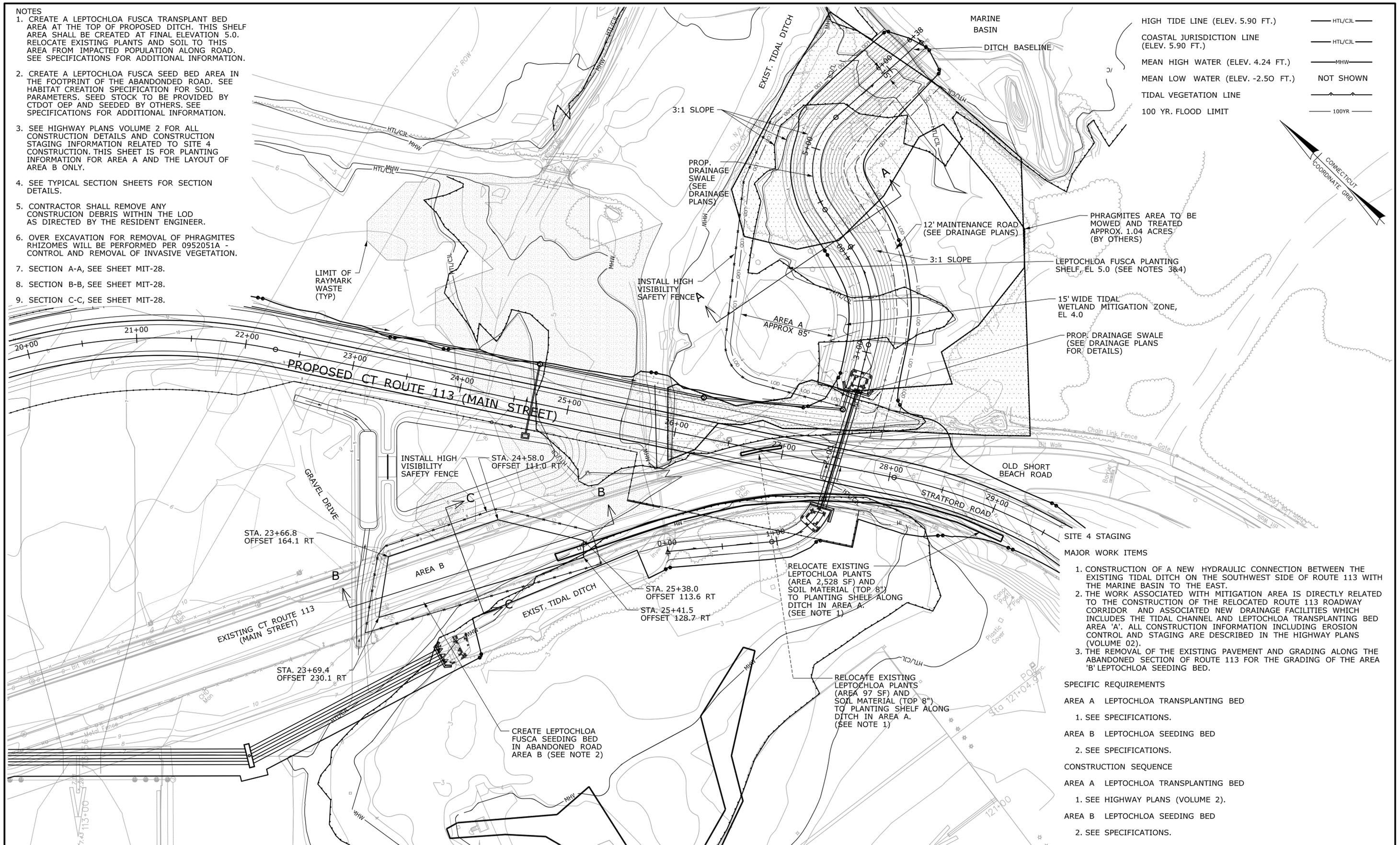
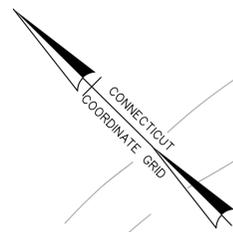
PHRAGMITES AREA TO BE  
MOWED AND TREATED  
APPROX. 13 ACRES  
(BY OTHERS)

COORDINATE GRID  
CONNECTICUT

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 6/27/2013				

- NOTES**
1. CREATE A LEPTOCHLOA FUSCA TRANSPLANT BED AREA AT THE TOP OF PROPOSED DITCH. THIS SHELF AREA SHALL BE CREATED AT FINAL ELEVATION 5.0. RELOCATE EXISTING PLANTS AND SOIL TO THIS AREA FROM IMPACTED POPULATION ALONG ROAD. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  2. CREATE A LEPTOCHLOA FUSCA SEED BED AREA IN THE FOOTPRINT OF THE ABANDONED ROAD. SEE HABITAT CREATION SPECIFICATION FOR SOIL PARAMETERS. SEED STOCK TO BE PROVIDED BY CTDOT OEP AND SEEDING BY OTHERS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  3. SEE HIGHWAY PLANS VOLUME 2 FOR ALL CONSTRUCTION DETAILS AND CONSTRUCTION STAGING INFORMATION RELATED TO SITE 4 CONSTRUCTION. THIS SHEET IS FOR PLANTING INFORMATION FOR AREA A AND THE LAYOUT OF AREA B ONLY.
  4. SEE TYPICAL SECTION SHEETS FOR SECTION DETAILS.
  5. CONTRACTOR SHALL REMOVE ANY CONSTRUCTION DEBRIS WITHIN THE LOD AS DIRECTED BY THE RESIDENT ENGINEER.
  6. OVER EXCAVATION FOR REMOVAL OF PHRAGMITES RHIZOMES WILL BE PERFORMED PER 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION.
  7. SECTION A-A, SEE SHEET MIT-28.
  8. SECTION B-B, SEE SHEET MIT-28.
  9. SECTION C-C, SEE SHEET MIT-28.

- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/CIL —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/CIL —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) — NOT SHOWN —
- TIDAL VEGETATION LINE — TIDAL VEG —
- 100 YR. FLOOD LIMIT — 100YR —



- MAJOR WORK ITEMS**
1. CONSTRUCTION OF A NEW HYDRAULIC CONNECTION BETWEEN THE EXISTING TIDAL DITCH ON THE SOUTHWEST SIDE OF ROUTE 113 WITH THE MARINE BASIN TO THE EAST.
  2. THE WORK ASSOCIATED WITH MITIGATION AREA IS DIRECTLY RELATED TO THE CONSTRUCTION OF THE RELOCATED ROUTE 113 ROADWAY CORRIDOR AND ASSOCIATED NEW DRAINAGE FACILITIES WHICH INCLUDES THE TIDAL CHANNEL AND LEPTOCHLOA TRANSPLANTING BED AREA 'A'. ALL CONSTRUCTION INFORMATION INCLUDING EROSION CONTROL AND STAGING ARE DESCRIBED IN THE HIGHWAY PLANS (VOLUME 02).
  3. THE REMOVAL OF THE EXISTING PAVEMENT AND GRADING ALONG THE ABANDONED SECTION OF ROUTE 113 FOR THE GRADING OF THE AREA 'B' LEPTOCHLOA SEEDING BED.

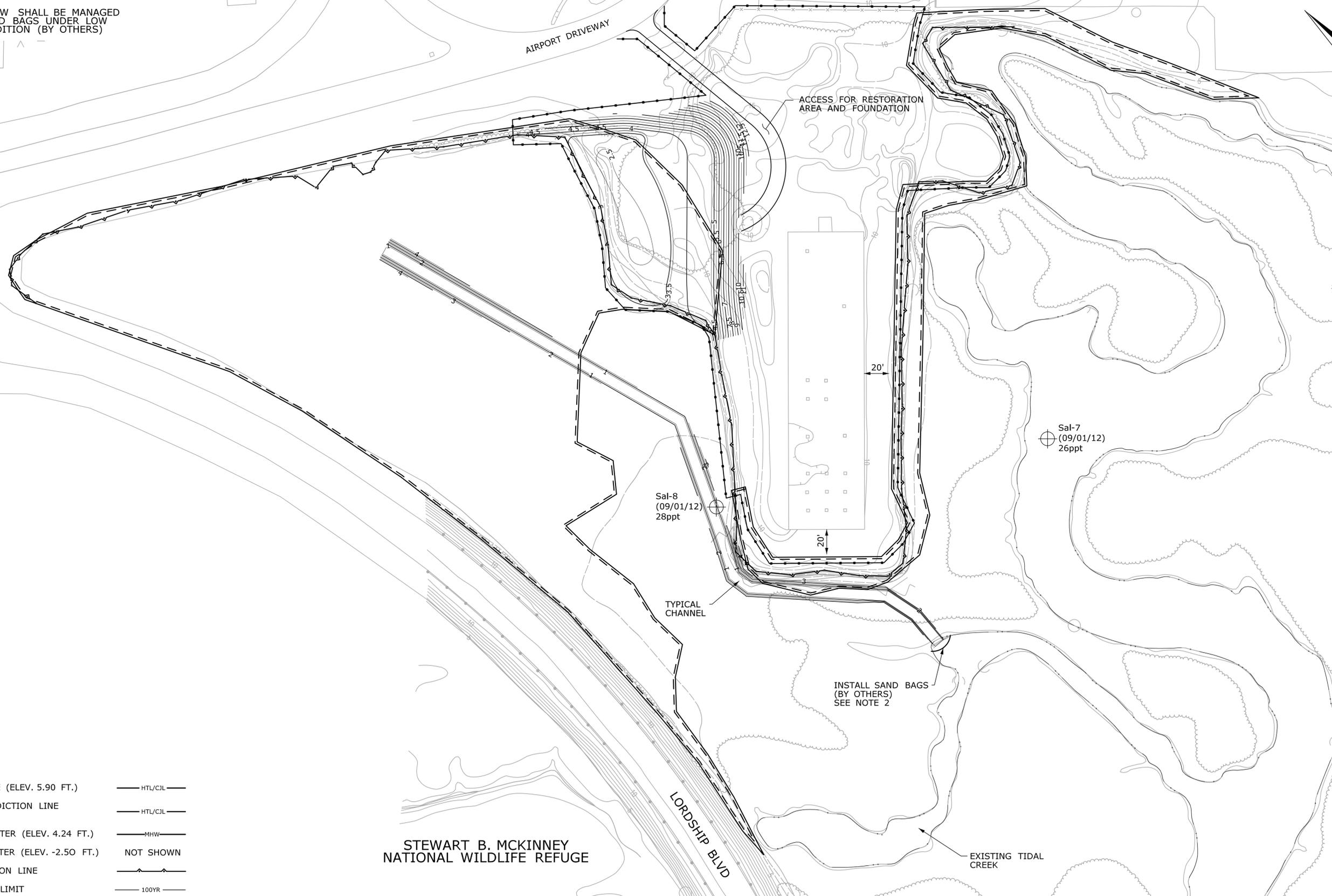
- SPECIFIC REQUIREMENTS**
- AREA A LEPTOCHLOA TRANSPLANTING BED**
1. SEE SPECIFICATIONS.
- AREA B LEPTOCHLOA SEEDING BED**
2. SEE SPECIFICATIONS.
- CONSTRUCTION SEQUENCE**
- AREA A LEPTOCHLOA TRANSPLANTING BED**
1. SEE HIGHWAY PLANS (VOLUME 2).
- AREA B LEPTOCHLOA SEEDING BED**
2. SEE SPECIFICATIONS.

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- NOTES
1. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION
  2. TIDAL FLOW SHALL BE MANAGED WITH SAND BAGS UNDER LOW TIDE CONDITION (BY OTHERS)

AIRPORT DRIVEWAY

ACCESS FOR RESTORATION AREA AND FOUNDATION



- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/CJL —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/CJL —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) NOT SHOWN
- TIDAL VEGETATION LINE — TIDAL VEG —
- 100 YR. FLOOD LIMIT — 100YR —

STEWART B. MCKINNEY NATIONAL WILDLIFE REFUGE

LORDSHIP BLVD

EXISTING TIDAL CREEK

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN:

STRATFORD

DRAWING TITLE:

SEDIMENTATION & EROSION CONTROL  
SITE 1

PROJECT NO.

15-336

DRAWING NO.

MIT-14

SHEET NO.

7.014



VHF OMNIDIRECTIONAL RANGE (VOR) STATION

TEMPORARY DISCHARGE SEDIMENTATION BASIN SEE DETAIL SHEETS

INSTALL SAND BAGS (SEE SHEET MIT-29)

INSTALL SAND BAGS SEE NOTES & DETAILS

CONSTRUCTION VEHICLE ACCESS PATH

EXISTING VOR ACCESS ROAD

INSTALL SAND BAGS SEE NOTES & DETAILS

DEWATERING DISCHARGE PIPE

TEMPORARY DISCHARGE SEDIMENTATION BASIN SEE DETAIL SHEETS

DEWATERING DISCHARGE PIPE

TEMPORARY DISCHARGE SEDIMENTATION BASIN - SEE DETAIL SHEETS

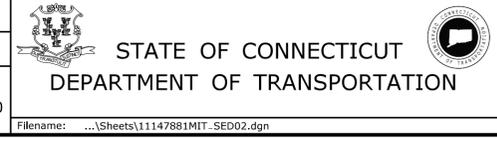
- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/CJL —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/CJL —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) NOT SHOWN
- TIDAL VEGETATION LINE —
- 100 YR. FLOOD LIMIT — 100YR —

- NOTES:
- EXISTING CONTOURS SHOWN AT 1.0 FOOT INTERVALS.
  - PROPOSED FINAL CONTOURS SHOWN AT 0.5 FOOT INTERVALS.
  - ALL EROSION CONTROL MEASURE SHALL BE INSTALLED PRIOR CONSTRUCTION.
  - DEWATERING DURING CONSTRUCTION SHALL BE PERFORMED BY USING A PUMP DISCHARGING TO A GEOTEXTILE SEDIMENT CONTROL BAG OR TYPE I PUMP SETTLING BASIN. EXACT LOCATIONS AND SIZES SHALL BE DETERMINED IN THE FIELD, BUT SHALL BE LOCATED WITHIN THE PROJECT'S LIMIT OF DISTURBANCE, AND OUTSIDE THE HIGH TIDE LINE/COASTAL JURISDICTIONAL LINE.

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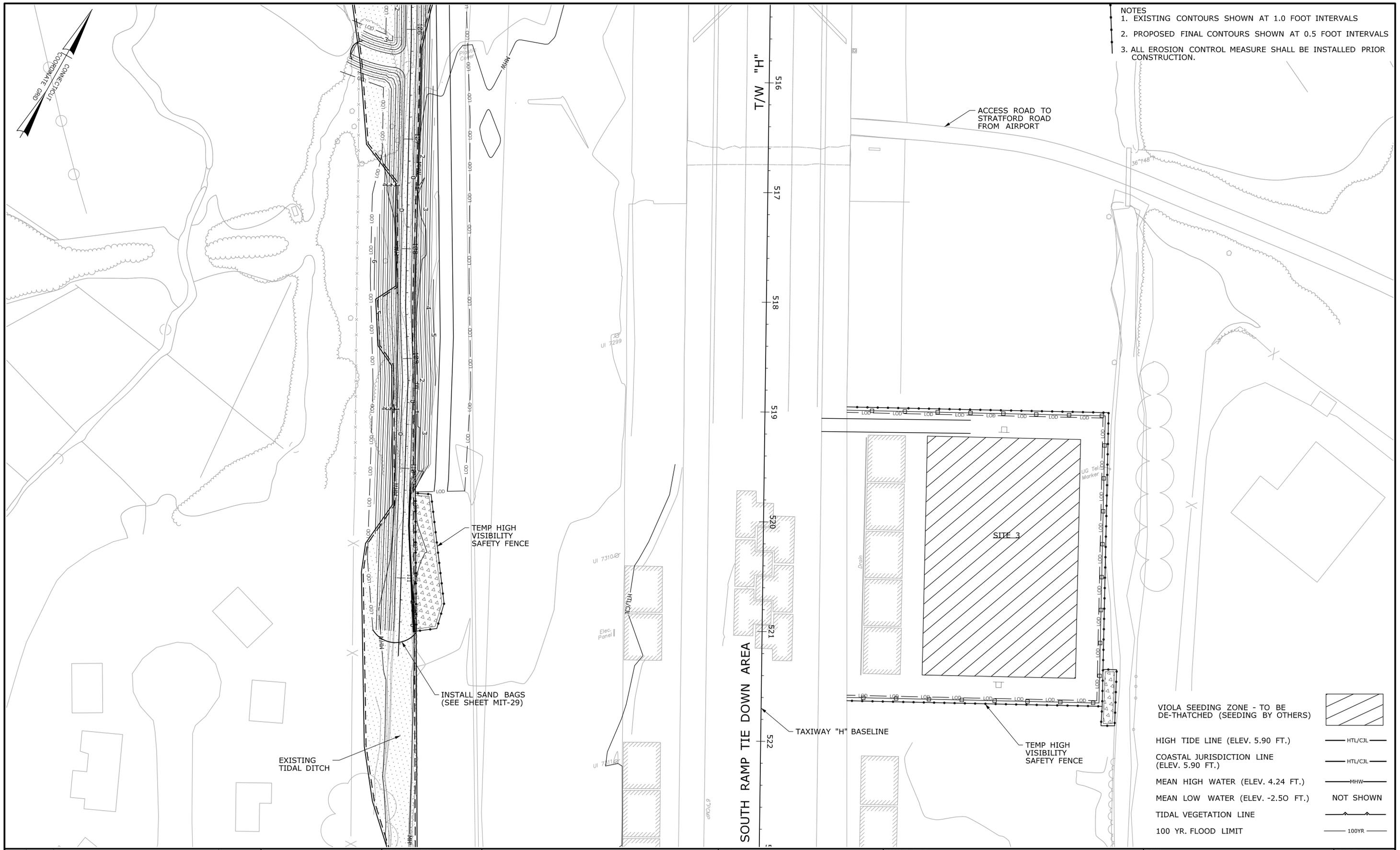


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RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN:  
STRATFORD  
DRAWING TITLE:  
SEDIMENTATION & EROSION CONTROL SITE 2

PROJECT NO.  
15-336  
DRAWING NO.  
MIT-15  
SHEET NO.  
07.015



- NOTES
1. EXISTING CONTOURS SHOWN AT 1.0 FOOT INTERVALS
  2. PROPOSED FINAL CONTOURS SHOWN AT 0.5 FOOT INTERVALS
  3. ALL EROSION CONTROL MEASURE SHALL BE INSTALLED PRIOR CONSTRUCTION.

- VIOLA SEEDING ZONE - TO BE DE-THATCHED (SEEDING BY OTHERS)
- HIGH TIDE LINE (ELEV. 5.90 FT.)
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)
- MEAN HIGH WATER (ELEV. 4.24 FT.)
- MEAN LOW WATER (ELEV. -2.50 FT.)
- TIDAL VEGETATION LINE
- 100 YR. FLOOD LIMIT

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SCALE 1"=40'

**STATE OF CONNECTICUT**  
**DEPARTMENT OF TRANSPORTATION**

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**RUNWAY SAFETY AREA PROJECT**  
**IGOR. I. SIKORSKY MEMORIAL AIRPORT**

TOWN:  
**STRATFORD**

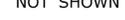
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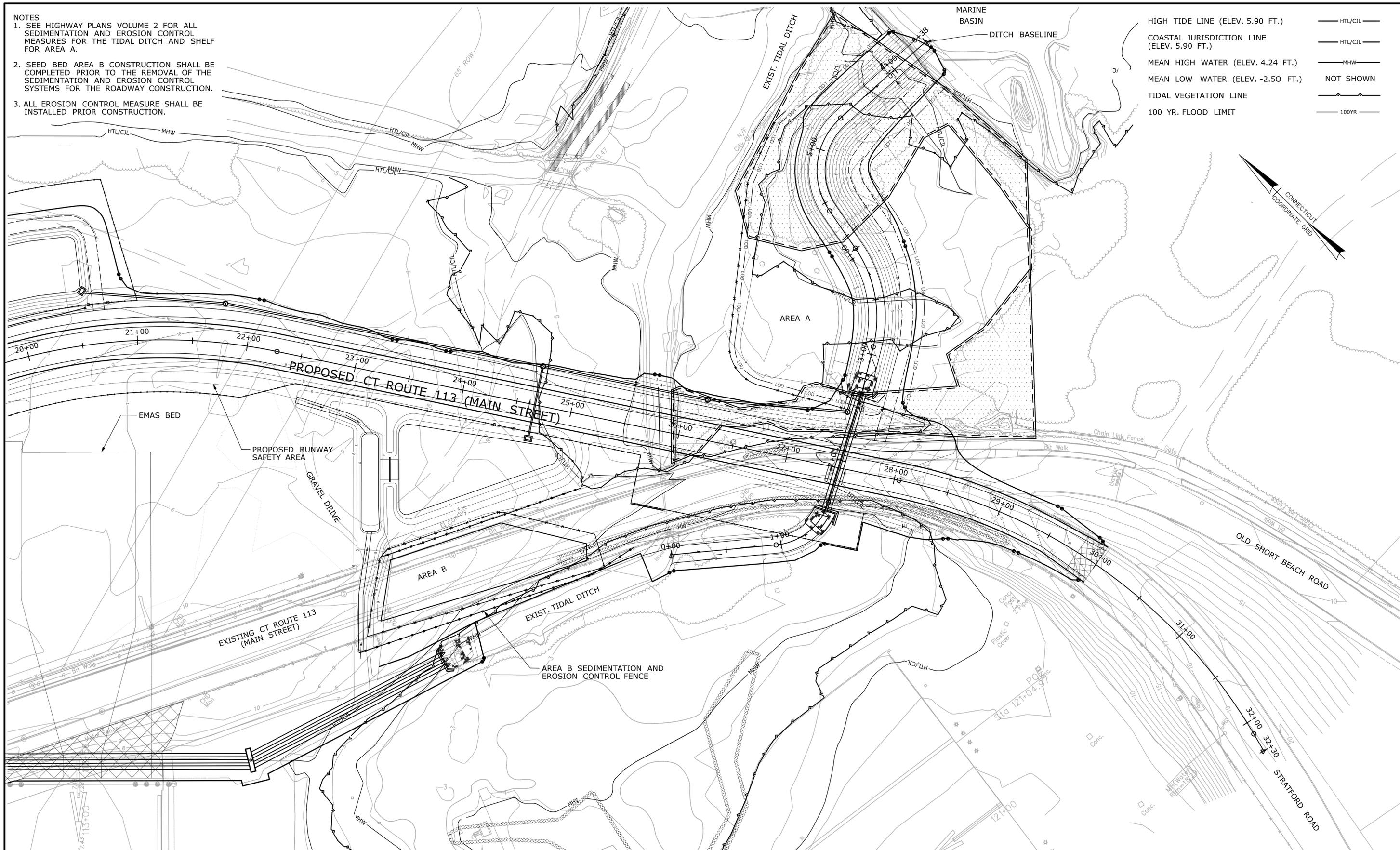
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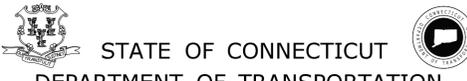
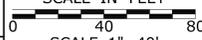
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**MIT-16**

SHEET NO.  
**7.016**

- NOTES
1. SEE HIGHWAY PLANS VOLUME 2 FOR ALL SEDIMENTATION AND EROSION CONTROL MEASURES FOR THE TIDAL DITCH AND SHELF FOR AREA A.
  2. SEED BED AREA B CONSTRUCTION SHALL BE COMPLETED PRIOR TO THE REMOVAL OF THE SEDIMENTATION AND EROSION CONTROL SYSTEMS FOR THE ROADWAY CONSTRUCTION.
  3. ALL EROSION CONTROL MEASURE SHALL BE INSTALLED PRIOR CONSTRUCTION.

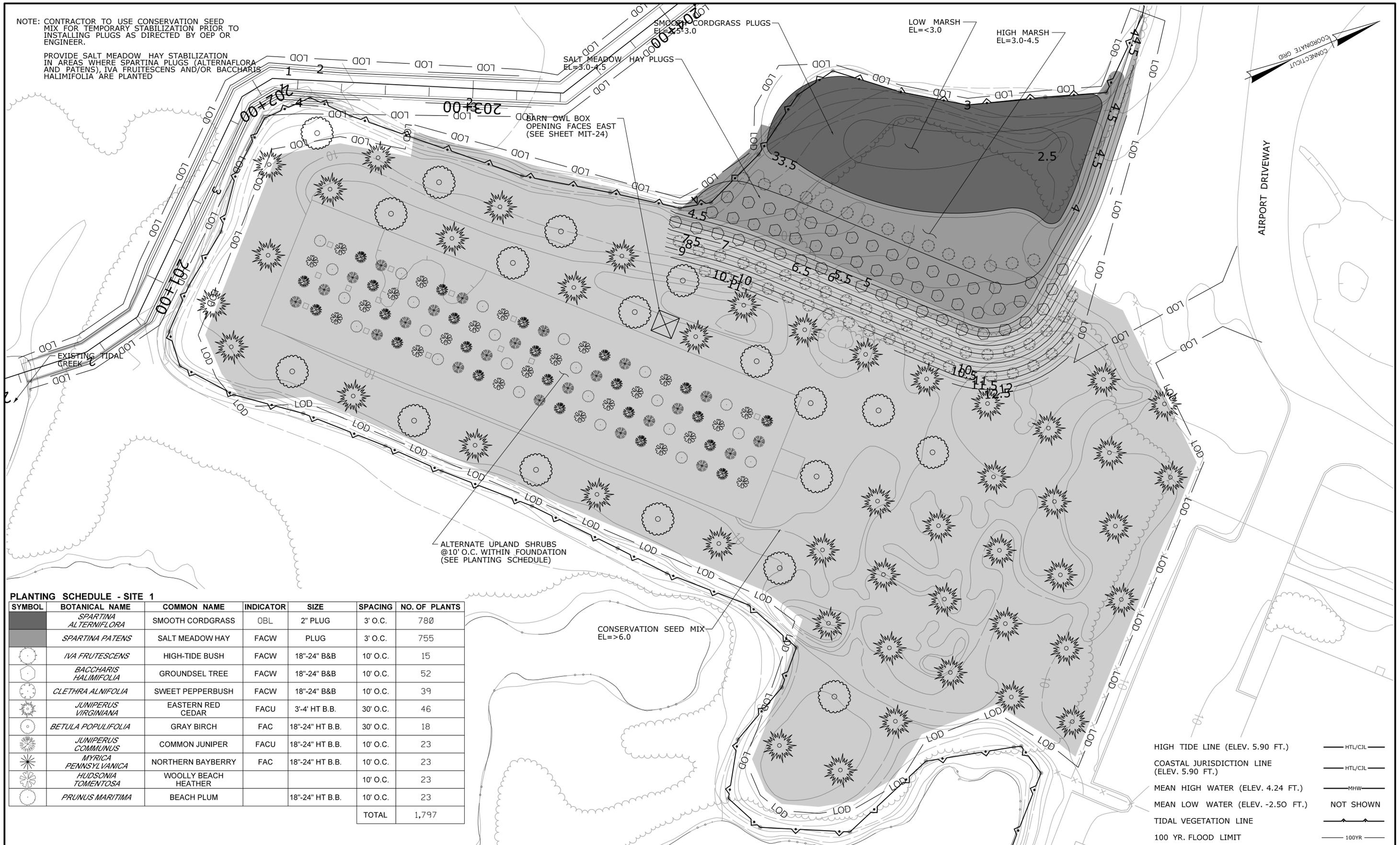
- HIGH TIDE LINE (ELEV. 5.90 FT.) 
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) 
- MEAN HIGH WATER (ELEV. 4.24 FT.) 
- MEAN LOW WATER (ELEV. -2.50 FT.) 
- TIDAL VEGETATION LINE 
- 100 YR. FLOOD LIMIT 



THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: CHECKED BY:	 <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK:	PROJECT TITLE: <b>RUNWAY SAFETY AREA PROJECT IGOR. I. SIKORSKY MEMORIAL AIRPORT</b>	TOWN: <b>STRATFORD</b>	PROJECT NO. <b>15-336</b>
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted: 6/27/2013	SCALE IN FEET  SCALE 1"=40'		FILENAME: ...S\Sheets\11147881MIT_SED04.dgn	DRAWING TITLE: <b>SEDIMENTATION &amp; EROSION CONTROL SITE 4</b>	SHEET NO. <b>7.017</b>	PROJECT NO. <b>15-336</b>

NOTE: CONTRACTOR TO USE CONSERVATION SEED MIX FOR TEMPORARY STABILIZATION PRIOR TO INSTALLING PLUGS AS DIRECTED BY OEP OR ENGINEER.

PROVIDE SALT MEADOW HAY STABILIZATION IN AREAS WHERE SPARTINA PLUGS (ALTERNAFLOA AND PATENS), IVA FRUTESCENS AND/OR BACCHARIS HALIMIFOLIA ARE PLANTED



**PLANTING SCHEDULE - SITE 1**

SYMBOL	BOTANICAL NAME	COMMON NAME	INDICATOR	SIZE	SPACING	NO. OF PLANTS	
	<i>SPARTINA ALTERNIFLORA</i>	SMOOTH CORDGRASS	OBL	2" PLUG	3' O.C.	780	
	<i>SPARTINA PATENS</i>	SALT MEADOW HAY	FACW	PLUG	3' O.C.	755	
	<i>IVA FRUTESCENS</i>	HIGH-TIDE BUSH	FACW	18"-24" B&B	10' O.C.	15	
	<i>BACCHARIS HALIMIFOLIA</i>	GROUNDSL TREE	FACW	18"-24" B&B	10' O.C.	52	
	<i>CLETHRA ALNIFOLIA</i>	SWEET PEPPERBUSH	FACW	18"-24" B&B	10' O.C.	39	
	<i>JUNIPERUS VIRGINIANA</i>	EASTERN RED CEDAR	FACU	3'-4" HT B.B.	30' O.C.	46	
	<i>BETULA POPULIFOLIA</i>	GRAY BIRCH	FAC	18"-24" HT B.B.	30' O.C.	18	
	<i>JUNIPERUS COMMUNIS</i>	COMMON JUNIPER	FACU	18"-24" HT B.B.	10' O.C.	23	
	<i>MYRICA PENNSYLVANICA</i>	NORTHERN BAYBERRY	FAC	18"-24" HT B.B.	10' O.C.	23	
	<i>HUDSONIA TOMENTOSA</i>	WOOLLY BEACH HEATHER			10' O.C.	23	
	<i>PRUNUS MARITIMA</i>	BEACH PLUM			10' O.C.	23	
						TOTAL	1,797

- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/CJL —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/CJL —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) — NOT SHOWN —
- TIDAL VEGETATION LINE — —
- 100 YR. FLOOD LIMIT — 100YR —

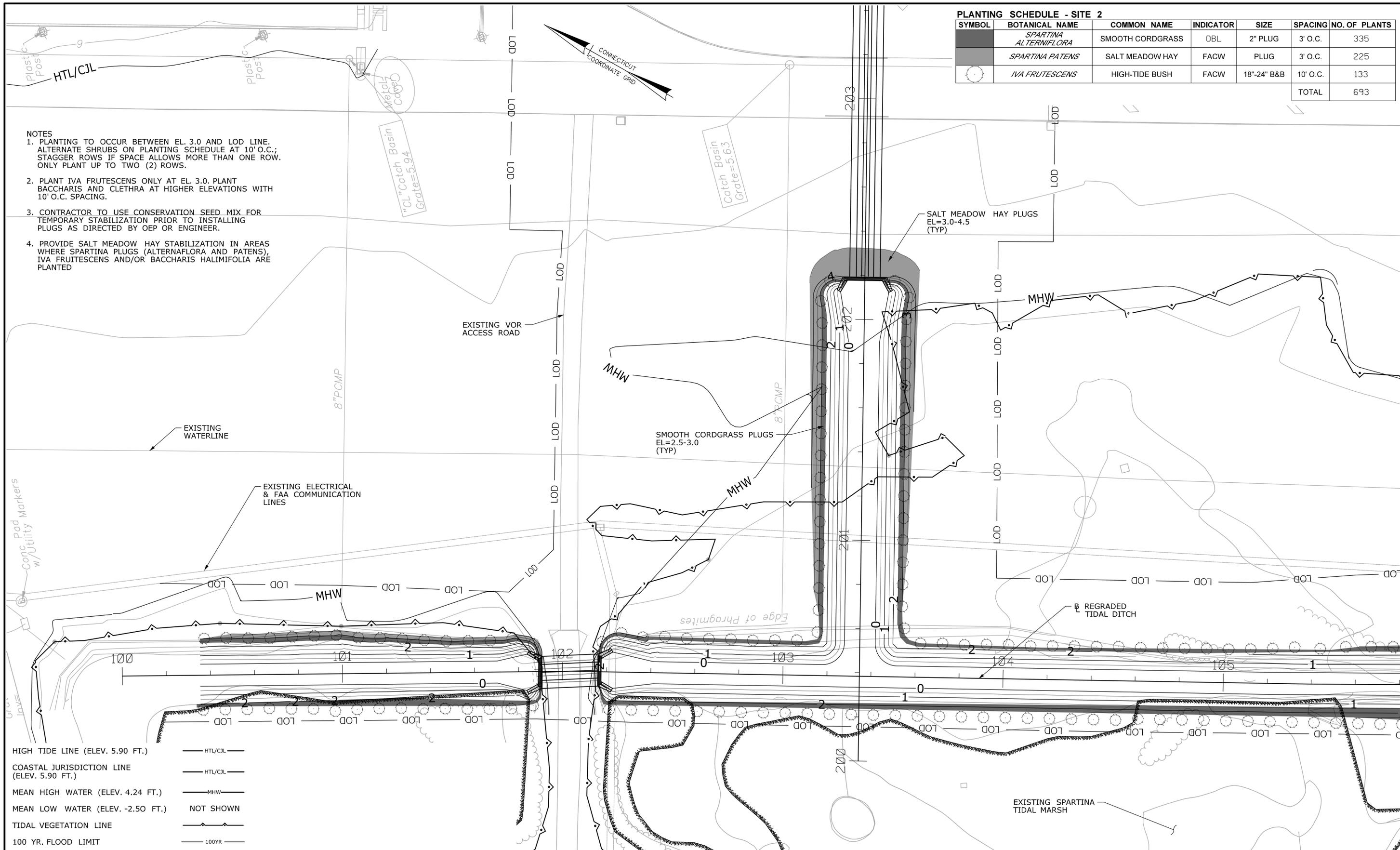
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<p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p>		<p>SCALE IN FEET</p> <p>0 20 40</p> <p>SCALE 1"=20'</p>		<p>DRAWING TITLE:</p> <p><b>PLANTING PLAN</b> <b>LORDSHIP BLVD</b> <b>MITIGATION SITE 1</b></p>	
<p>REV. DATE REVISION DESCRIPTION SHEET NO. Plotted: 6/27/2013</p>		<p>Filename: ...11147861MIT.01_Plant-Plan.dgn</p>			

**PLANTING SCHEDULE - SITE 2**

SYMBOL	BOTANICAL NAME	COMMON NAME	INDICATOR	SIZE	SPACING	NO. OF PLANTS
○	<i>SPARTINA ALTERNIFLORA</i>	SMOOTH CORDGRASS	OBL	2" PLUG	3' O.C.	335
○	<i>SPARTINA PATENS</i>	SALT MEADOW HAY	FACW	PLUG	3' O.C.	225
○	<i>IVA FRUTESCENS</i>	HIGH-TIDE BUSH	FACW	18"-24" B&B	10' O.C.	133
					TOTAL	693

**NOTES**

1. PLANTING TO OCCUR BETWEEN EL. 3.0 AND LOD LINE. ALTERNATE SHRUBS ON PLANTING SCHEDULE AT 10' O.C.; STAGGER ROWS IF SPACE ALLOWS MORE THAN ONE ROW. ONLY PLANT UP TO TWO (2) ROWS.
2. PLANT *IVA FRUTESCENS* ONLY AT EL. 3.0. PLANT *BACCHARIS* AND *CLETHRA* AT HIGHER ELEVATIONS WITH 10' O.C. SPACING.
3. CONTRACTOR TO USE CONSERVATION SEED MIX FOR TEMPORARY STABILIZATION PRIOR TO INSTALLING PLUGS AS DIRECTED BY OEP OR ENGINEER.
4. PROVIDE SALT MEADOW HAY STABILIZATION IN AREAS WHERE *SPARTINA* PLUGS (*ALTERNIFLORA* AND *PATENS*), *IVA FRUTESCENS* AND/OR *BACCHARIS HALIMIFOLIA* ARE PLANTED



HIGH TIDE LINE (ELEV. 5.90 FT.)	— HTL/CJL —
COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)	— HTL/CJL —
MEAN HIGH WATER (ELEV. 4.24 FT.)	— MHW —
MEAN LOW WATER (ELEV. -2.50 FT.)	NOT SHOWN
TIDAL VEGETATION LINE	— 100YR —
100 YR. FLOOD LIMIT	— 100YR —

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 6/27/2013

DESIGNER/DRAFTER:  
CHECKED BY:  
SCALE IN FEET  
0 20 40  
SCALE 1"=20'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

SIGNATURE/  
BLOCK:  
PROJECT TITLE:

RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN: STRATFORD  
DRAWING TITLE: PLANTING PLAN 1  
WEST OF SOUTH RAMP  
MITIGATION SITE 2

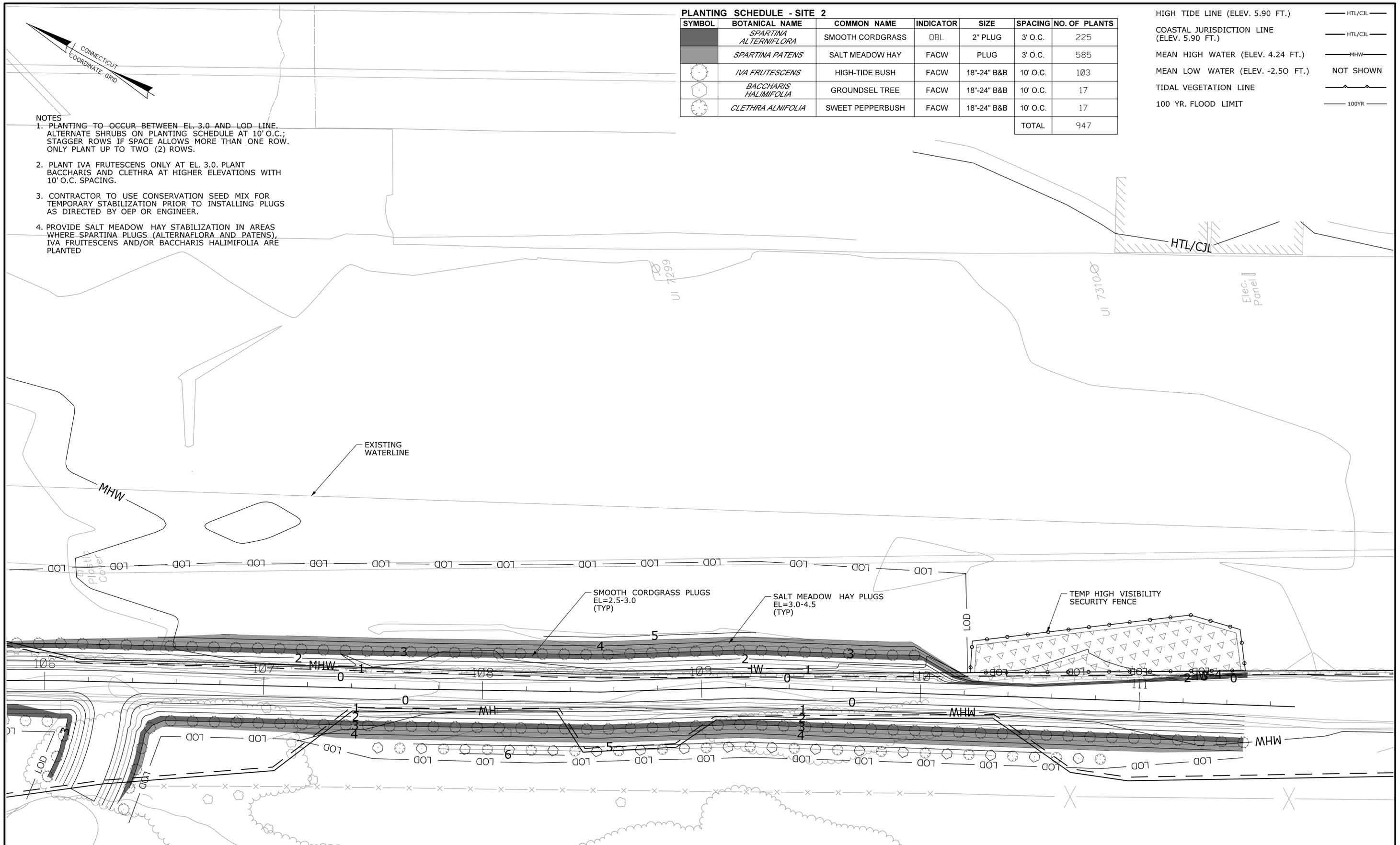
PROJECT NO. 15-336  
DRAWING NO. MIT-19  
SHEET NO. 7.019

**PLANTING SCHEDULE - SITE 2**

SYMBOL	BOTANICAL NAME	COMMON NAME	INDICATOR	SIZE	SPACING	NO. OF PLANTS	
	<i>SPARTINA ALTERNIFLORA</i>	SMOOTH CORDGRASS	OBL	2" PLUG	3' O.C.	225	
	<i>SPARTINA PATENS</i>	SALT MEADOW HAY	FACW	PLUG	3' O.C.	585	
	<i>IVA FRUTESCENS</i>	HIGH-TIDE BUSH	FACW	18"-24" B&B	10' O.C.	103	
	<i>BACCHARIS HALIMIFOLIA</i>	GROUNDSEL TREE	FACW	18"-24" B&B	10' O.C.	17	
	<i>CLETHRA ALNIFOLIA</i>	SWEET PEPPERBUSH	FACW	18"-24" B&B	10' O.C.	17	
						<b>TOTAL</b>	<b>947</b>

HIGH TIDE LINE (ELEV. 5.90 FT.)	
COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)	
MEAN HIGH WATER (ELEV. 4.24 FT.)	
MEAN LOW WATER (ELEV. -2.50 FT.)	NOT SHOWN
TIDAL VEGETATION LINE	
100 YR. FLOOD LIMIT	

- NOTES**
1. PLANTING TO OCCUR BETWEEN EL. 3.0 AND LOD LINE. ALTERNATE SHRUBS ON PLANTING SCHEDULE AT 10' O.C.; STAGGER ROWS IF SPACE ALLOWS MORE THAN ONE ROW. ONLY PLANT UP TO TWO (2) ROWS.
  2. PLANT IVA FRUTESCENS ONLY AT EL. 3.0. PLANT BACCHARIS AND CLETHRA AT HIGHER ELEVATIONS WITH 10' O.C. SPACING.
  3. CONTRACTOR TO USE CONSERVATION SEED MIX FOR TEMPORARY STABILIZATION PRIOR TO INSTALLING PLUGS AS DIRECTED BY OEP OR ENGINEER.
  4. PROVIDE SALT MEADOW HAY STABILIZATION IN AREAS WHERE SPARTINA PLUGS (ALTERNIFLORA AND PATENS), IVA FRUTESCENS AND/OR BACCHARIS HALIMIFOLIA ARE PLANTED

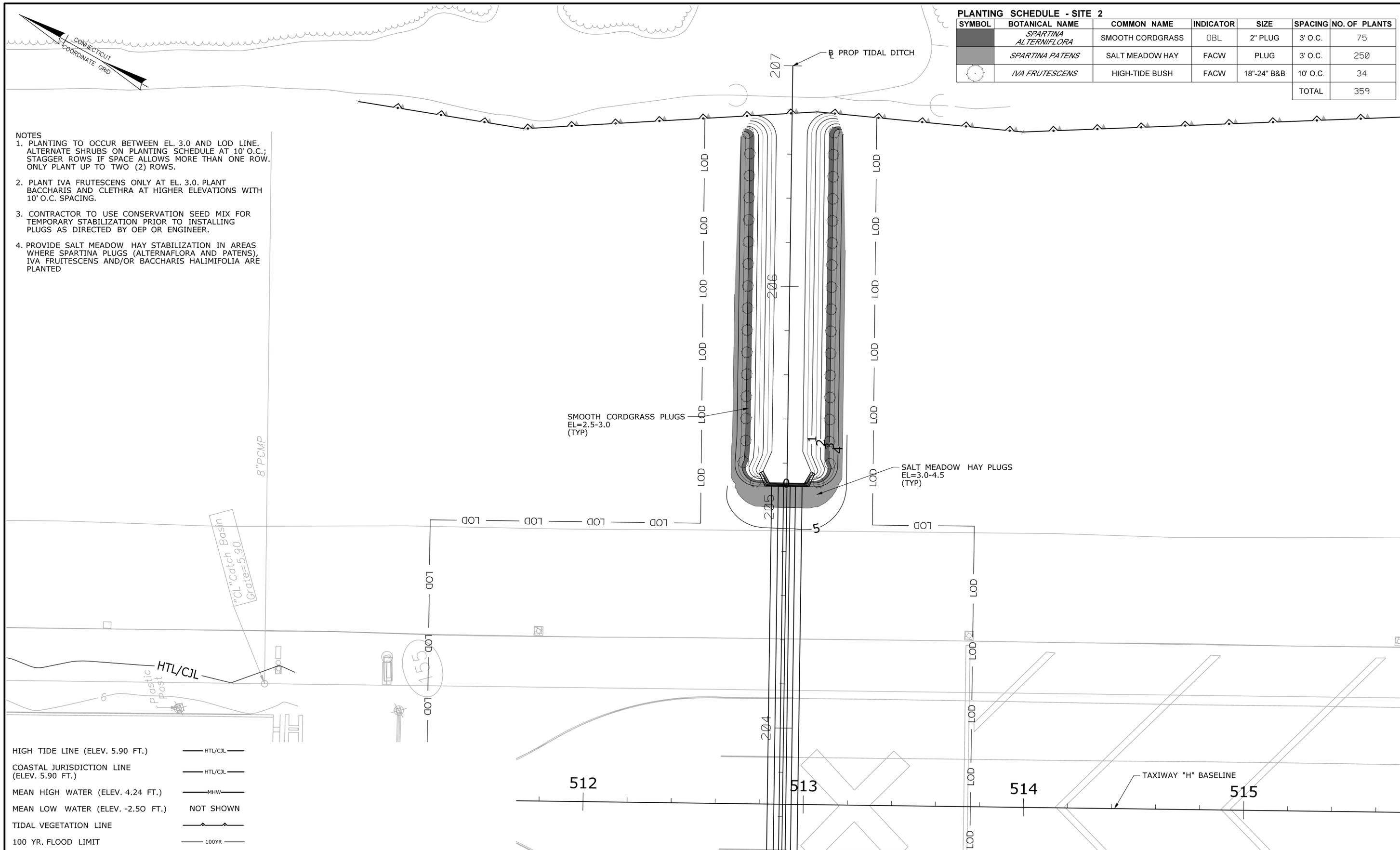


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	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.					

**PLANTING SCHEDULE - SITE 2**

SYMBOL	BOTANICAL NAME	COMMON NAME	INDICATOR	SIZE	SPACING	NO. OF PLANTS
■	<i>SPARTINA ALTERNIFLORA</i>	SMOOTH CORDGRASS	OBL	2" PLUG	3' O.C.	75
■	<i>SPARTINA PATENS</i>	SALT MEADOW HAY	FACW	PLUG	3' O.C.	250
○	<i>IVA FRUTESCENS</i>	HIGH-TIDE BUSH	FACW	18"-24" B&B	10' O.C.	34
TOTAL						359

- NOTES**
1. PLANTING TO OCCUR BETWEEN EL. 3.0 AND LOD LINE. ALTERNATE SHRUBS ON PLANTING SCHEDULE AT 10' O.C.; STAGGER ROWS IF SPACE ALLOWS MORE THAN ONE ROW. ONLY PLANT UP TO TWO (2) ROWS.
  2. PLANT IVA FRUTESCENS ONLY AT EL. 3.0. PLANT BACCHARIS AND CLETHRA AT HIGHER ELEVATIONS WITH 10' O.C. SPACING.
  3. CONTRACTOR TO USE CONSERVATION SEED MIX FOR TEMPORARY STABILIZATION PRIOR TO INSTALLING PLUGS AS DIRECTED BY OEP OR ENGINEER.
  4. PROVIDE SALT MEADOW HAY STABILIZATION IN AREAS WHERE SPARTINA PLUGS (ALTERNIFLORA AND PATENS), IVA FRUTESCENS AND/OR BACCHARIS HALIMIFOLIA ARE PLANTED



HIGH TIDE LINE (ELEV. 5.90 FT.)	— HTL/CJL —
COASTAL JURISDICTION LINE (ELEV. 5.90 FT.)	— HTL/CJL —
MEAN HIGH WATER (ELEV. 4.24 FT.)	— MHW —
MEAN LOW WATER (ELEV. -2.50 FT.)	NOT SHOWN
TIDAL VEGETATION LINE	— — —
100 YR. FLOOD LIMIT	— 100YR —

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 6/27/2013

DESIGNER/DRAFTER:  
CHECKED BY:  
SCALE IN FEET  
0 20 40  
SCALE 1"=20'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

Signature/Block:  
PROJECT TITLE:  
TOWN: STRATFORD

PROJECT TITLE:  
RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

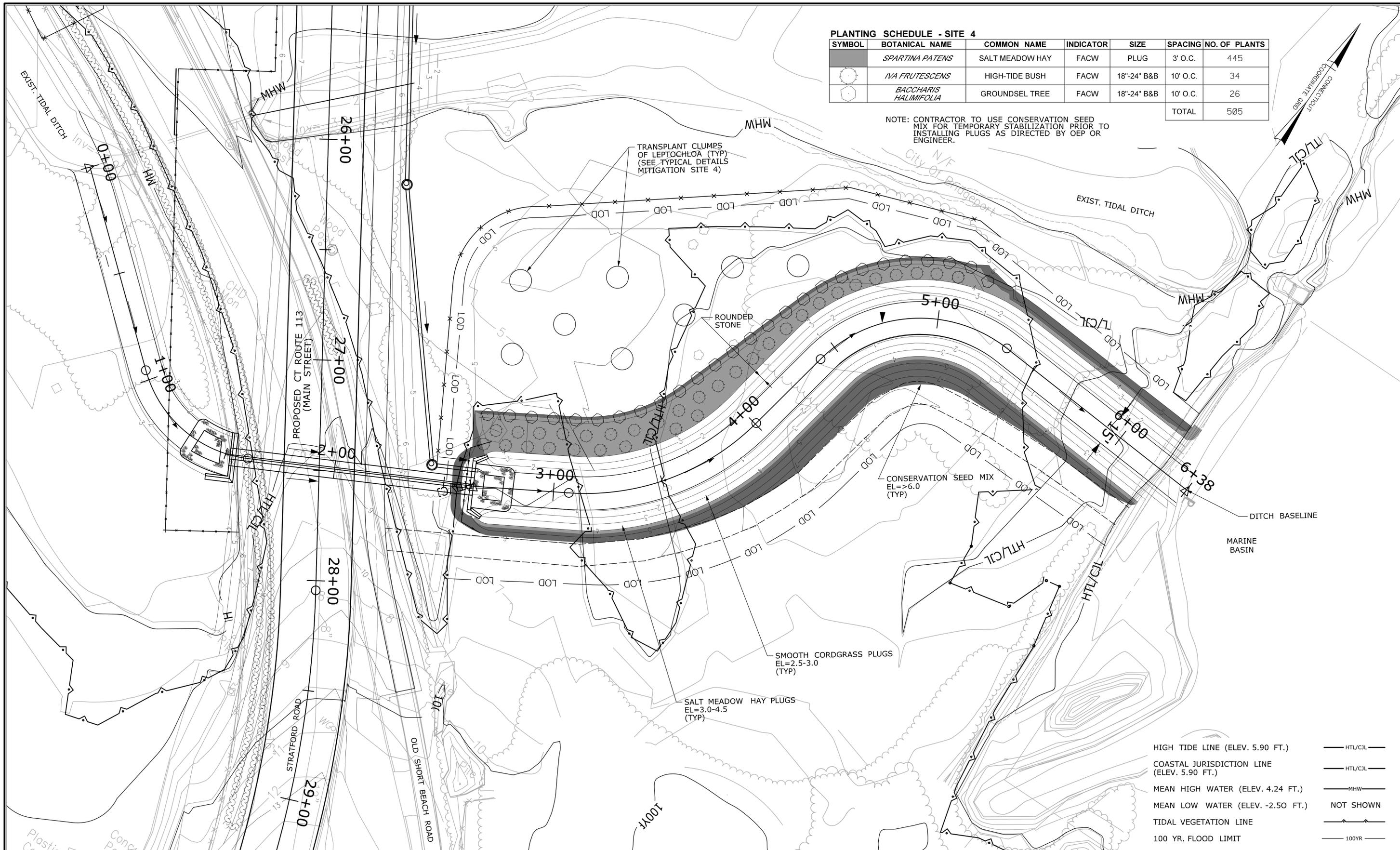
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PLANTING PLAN 3  
EAST OF SOUTH RAMP  
MITIGATION SITE 2

PROJECT NO. 15-336  
DRAWING NO. MIT-21  
SHEET NO. 7.021

**PLANTING SCHEDULE - SITE 4**

SYMBOL	BOTANICAL NAME	COMMON NAME	INDICATOR	SIZE	SPACING	NO. OF PLANTS
	<i>SPARTINA PATENS</i>	SALT MEADOW HAY	FACW	PLUG	3' O.C.	445
	<i>IVA FRUTESCENS</i>	HIGH-TIDE BUSH	FACW	18"-24" B&B	10' O.C.	34
	<i>BACCHARIS HALIMIFOLIA</i>	GROUNDSEL TREE	FACW	18"-24" B&B	10' O.C.	26
TOTAL						505

NOTE: CONTRACTOR TO USE CONSERVATION SEED MIX FOR TEMPORARY STABILIZATION PRIOR TO INSTALLING PLUGS AS DIRECTED BY OEP OR ENGINEER.



- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/CJL —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/CJL —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) NOT SHOWN
- TIDAL VEGETATION LINE —
- 100 YR. FLOOD LIMIT — 100YR —

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:  
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SCALE 1"=20'

**STATE OF CONNECTICUT**  
**DEPARTMENT OF TRANSPORTATION**

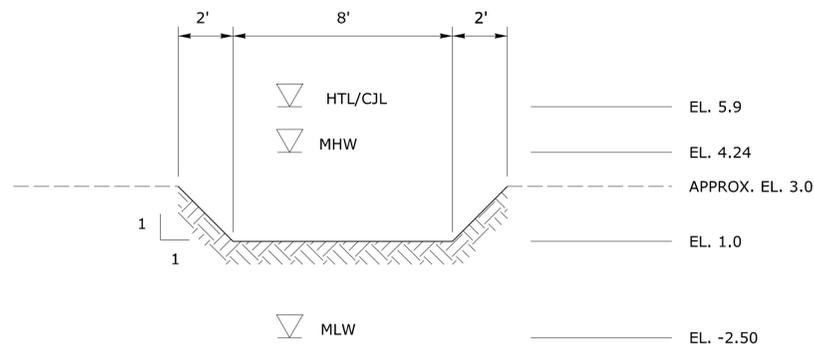
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**IGOR. I. SIKORSKY MEMORIAL AIRPORT**

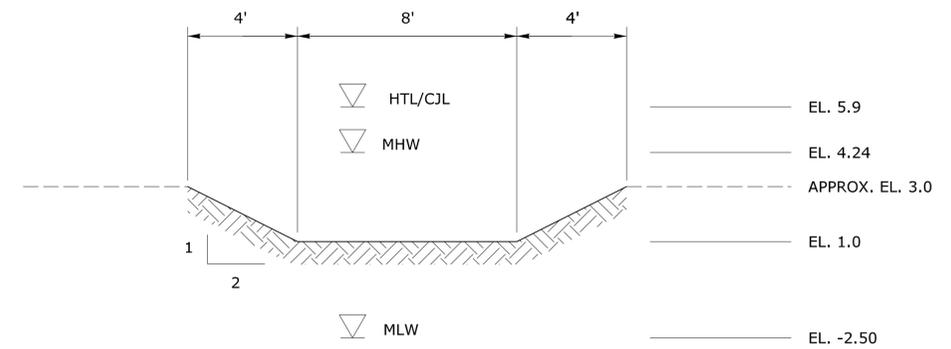
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**STRATFORD**  
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**ROUTE 113 ROADWAY**  
**MITIGATION SITE 4**

PROJECT NO.  
**15-336**  
DRAWING NO.  
**MIT-22**  
SHEET NO.  
**7.022**

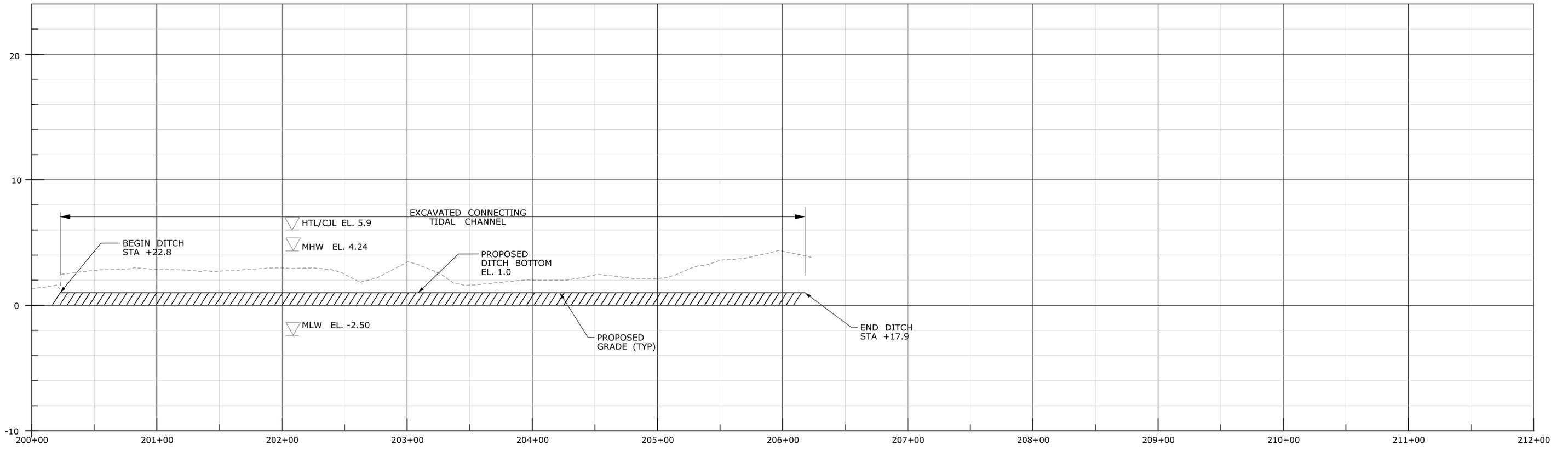
NOTE:  
ALL WORK ON THIS SHEET SHALL BE DONE BY OTHERS  
AND IS INCLUDED FOR INFORMATIONAL PURPOSES ONLY.



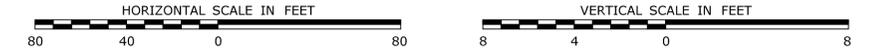
**SITE 1 A-A  
STEEP SLOPE CHANNEL**



**SITE 1 B-B  
TYPICAL CHANNEL**



**PROPOSED MITIGATION SITE 1 REGRADED TIDAL DITCH PROFILE**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

DESIGNER/DRAFTER:  
CHECKED BY:  
SCALE AS NOTED

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

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IGOR I. SIKORSKY MEMORIAL AIRPORT**

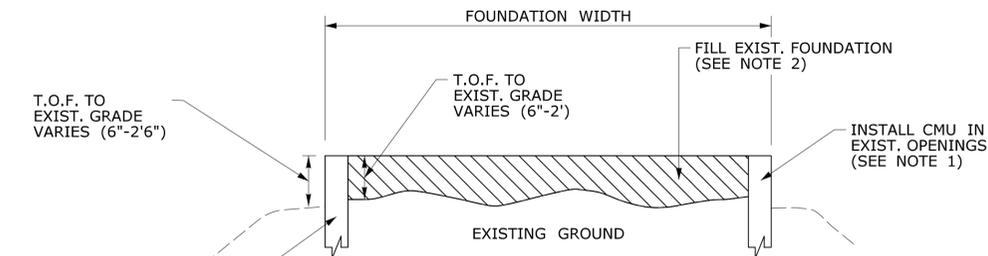
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**STRATFORD**

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**TYPICAL DETAILS 1  
MITIGATION SITE 1**

PROJECT NO.  
**15-336**

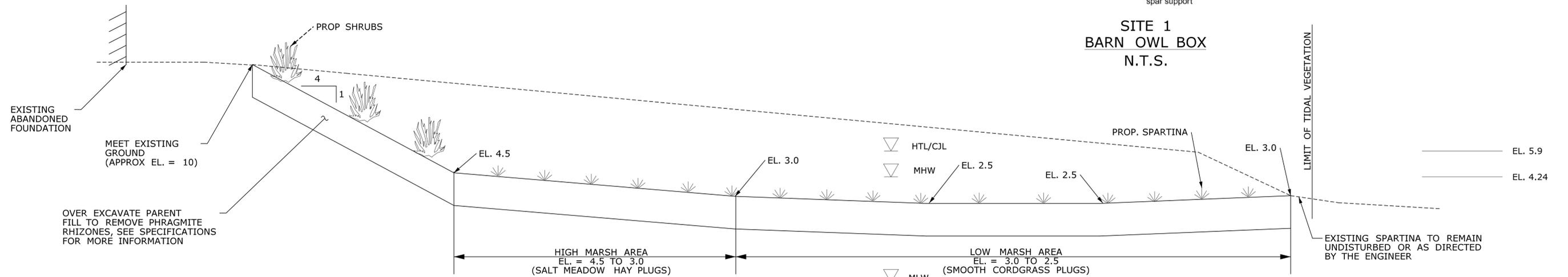
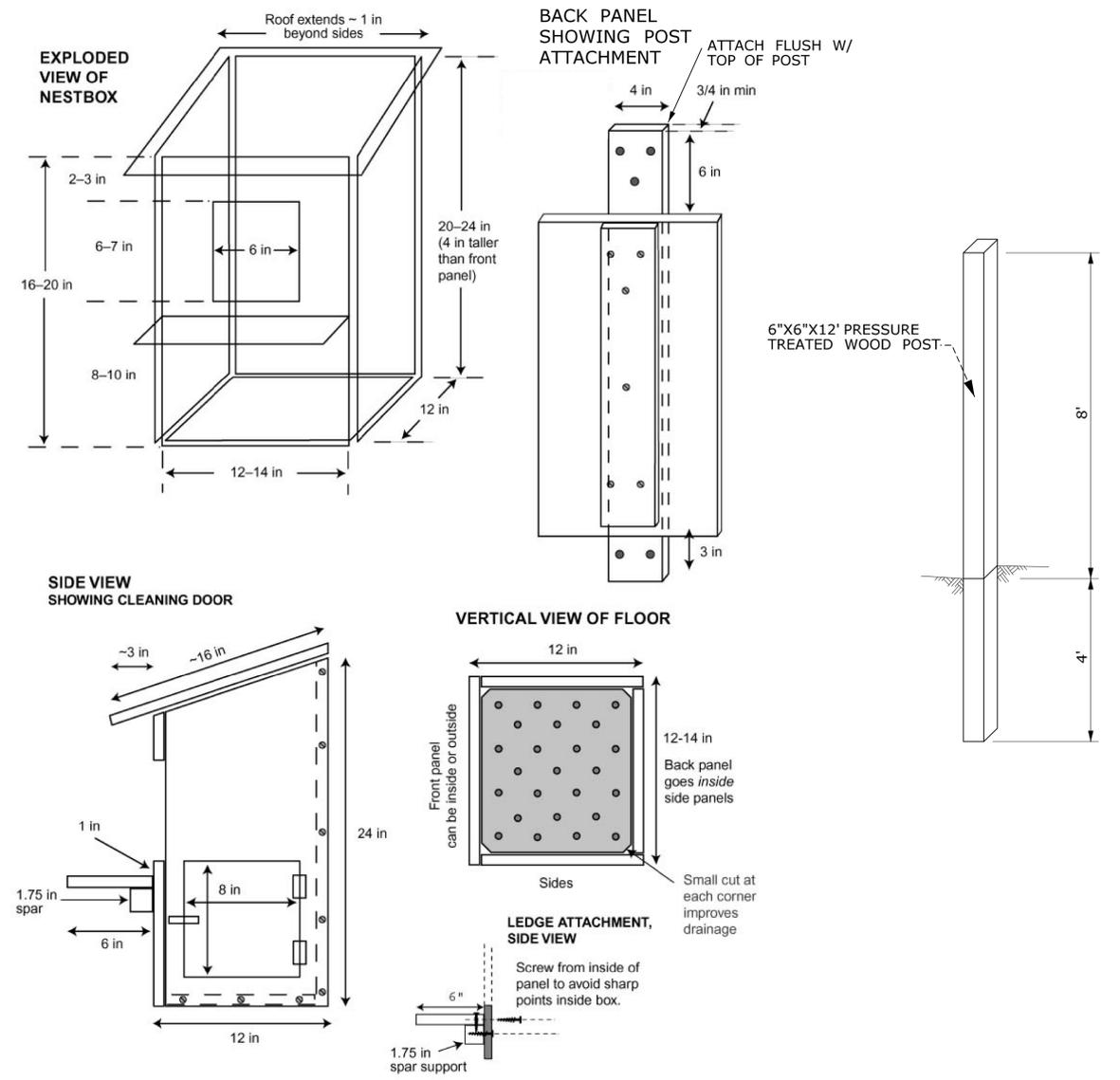
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SHEET NO.  
**07.023**



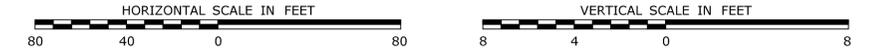
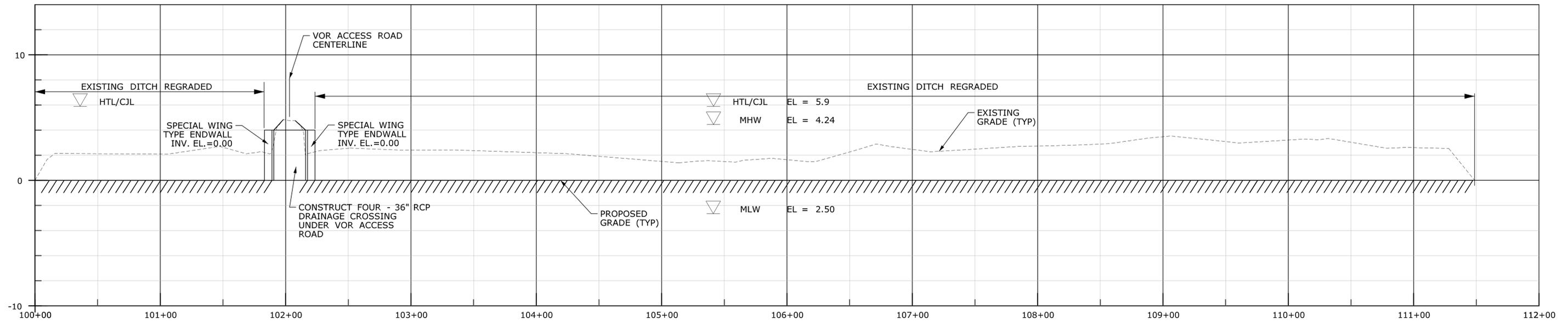
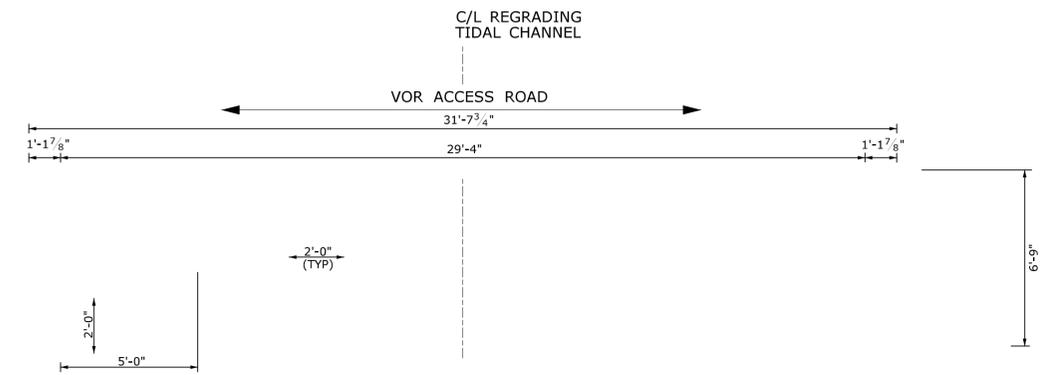
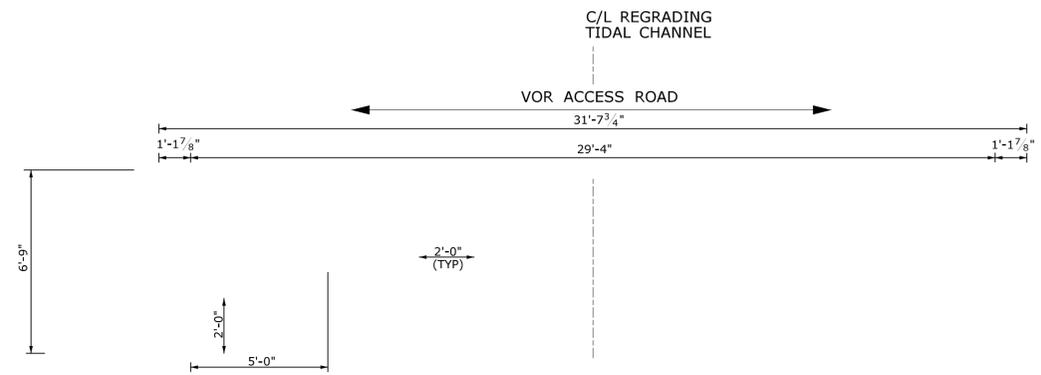
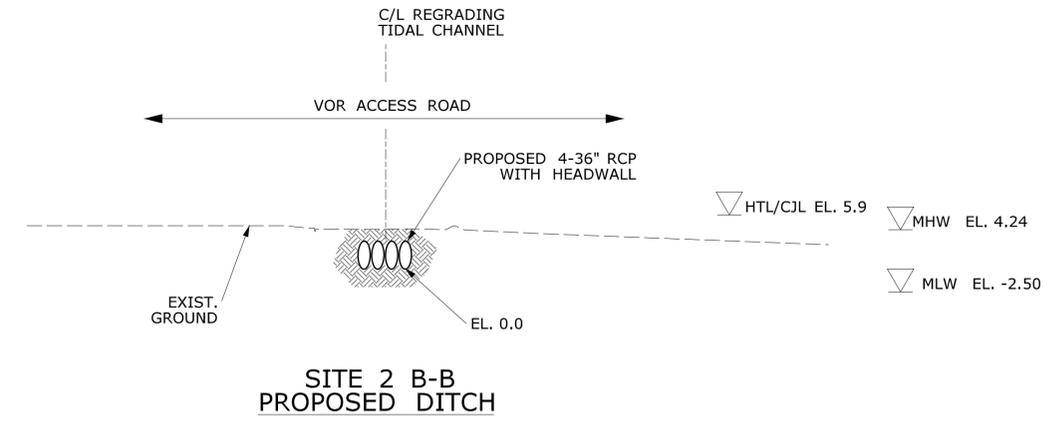
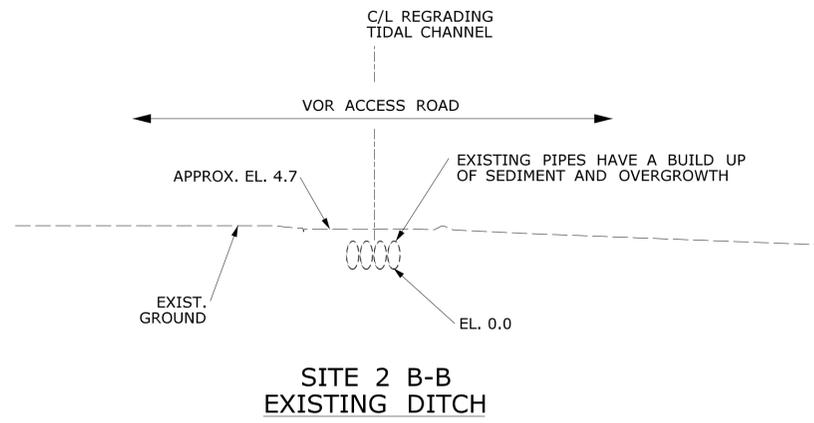
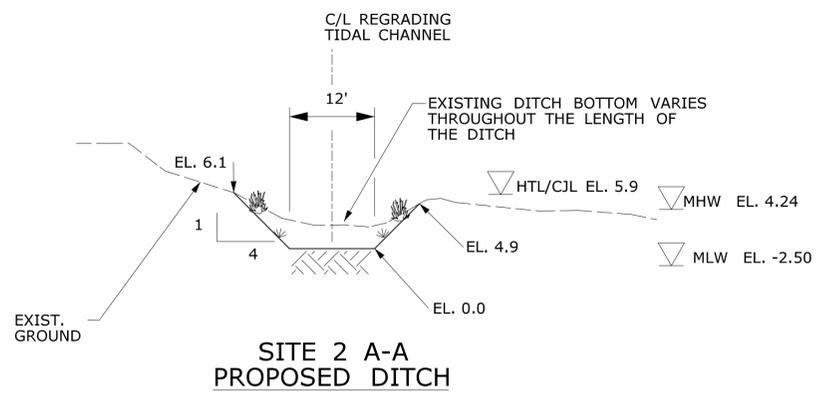
- NOTES
1. AT ALL FOUNDATION PENETRATIONS FILL OPENINGS W/ GROUTED CONCRETE MASONARY UNITS (CMU) TO MATCH TOP OF EXISTING FOUNDATION.
  2. BACKFILL FOUNDATION WITH BEDDING MATERIAL AS DIRECTED BY THE ENGINEER. BACKFILL SHALL BEGIN FOLLOWING THE REMOVAL OF INVASIVE SPECIES.

**SITE 1 C-C  
FOUNDATION MITIGATION**



**SITE 1 D-D  
PROPOSED TIDAL RESTORATION SITE 1**

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			DESIGNER/DRAFTER: CHECKED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK:	PROJECT TITLE: RUNWAY SAFETY AREA PROJECT IGOR. I. SIKORSKY MEMORIAL AIRPORT	TOWN: STRATFORD	PROJECT NO. 15-336
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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CHECKED BY:

SCALE AS NOTED

STATE OF CONNECTICUT  
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IGOR I. SIKORSKY MEMORIAL AIRPORT

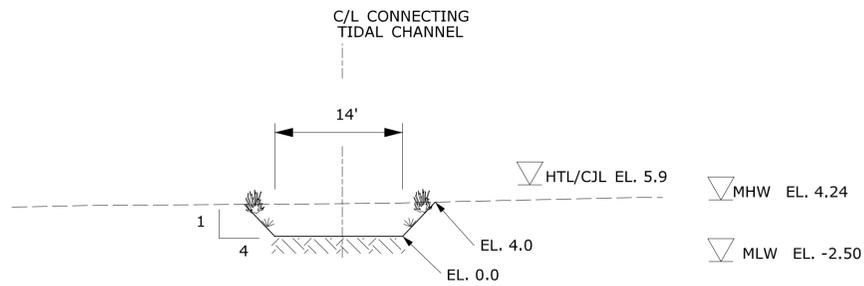
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STRATFORD

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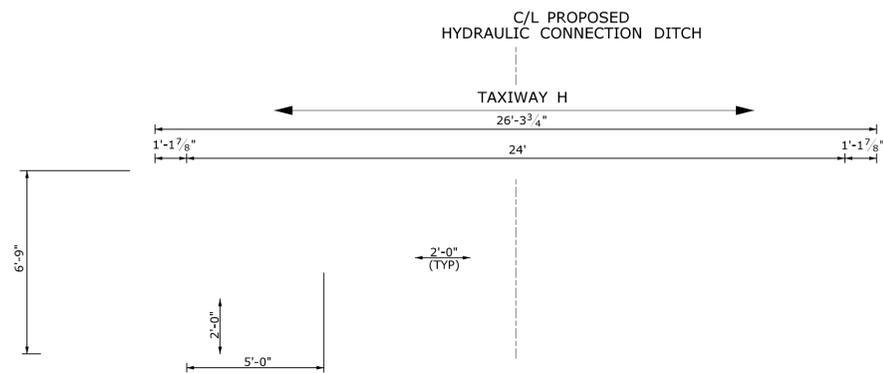
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DRAWING NO.  
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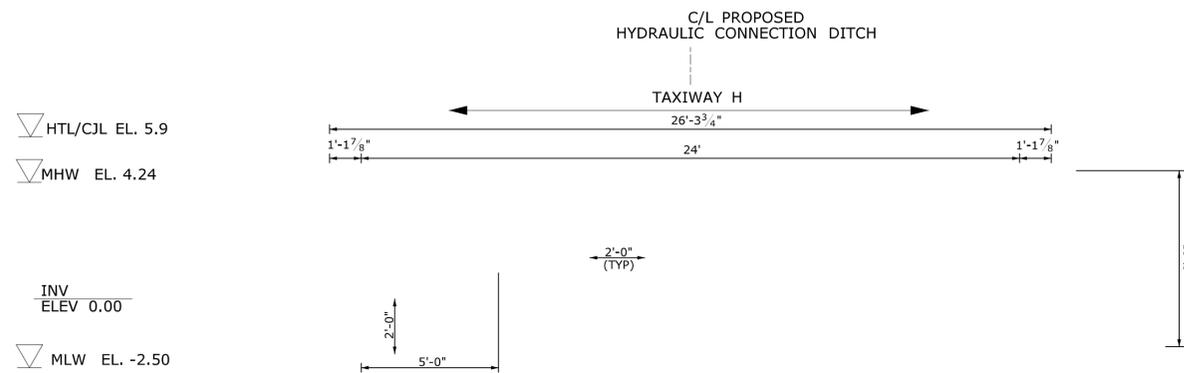
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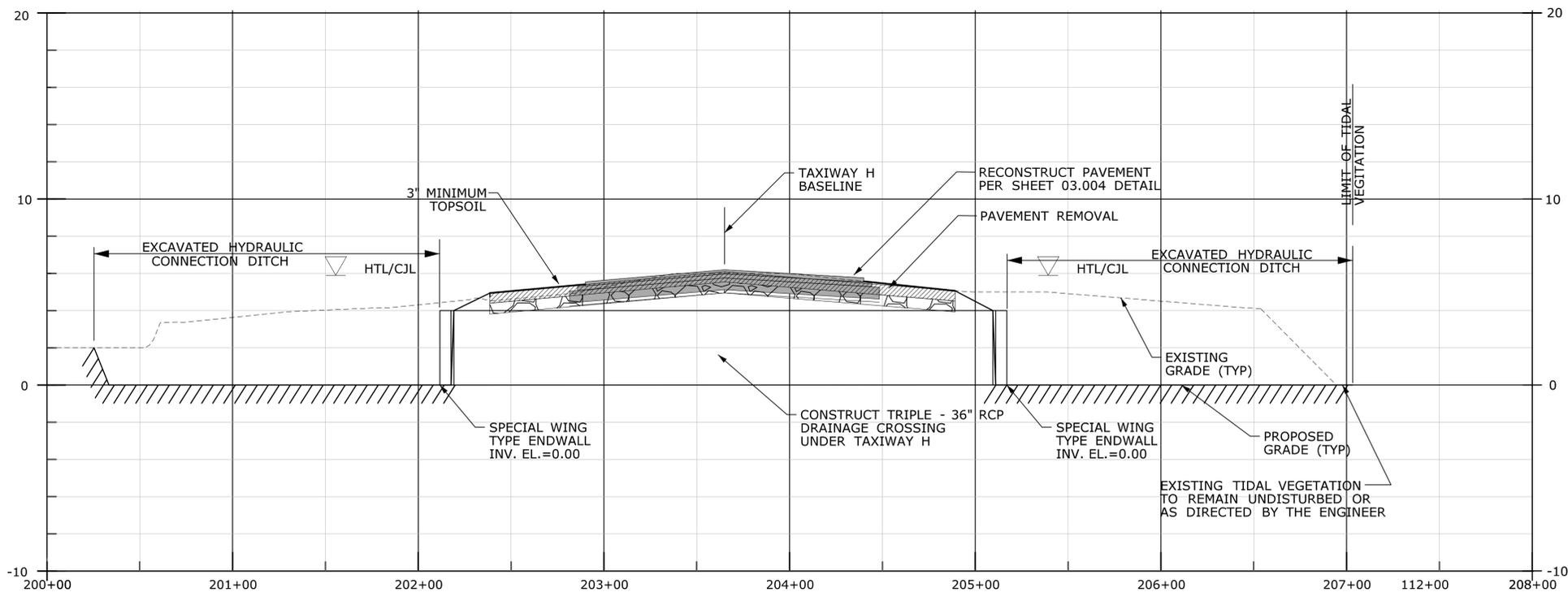
SITE 2 C-C & D-D  
TYPICAL HYDRAULIC CONNECTION DITCH



EAST ELEVATION  
SITE 2 TAXIWAY H



WEST ELEVATION  
SITE 2 TAXIWAY H



PROPOSED TAXIWAY H CROSS CULVERT PROFILE



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

DESIGNER/DRAFTER:  
CHECKED BY:  
SCALE AS NOTED

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

FILENAME: ...1114781MIT.02\_TypDH2.dgn

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RUNWAY SAFETY AREA PROJECT  
IGOR I. SIKORSKY MEMORIAL AIRPORT

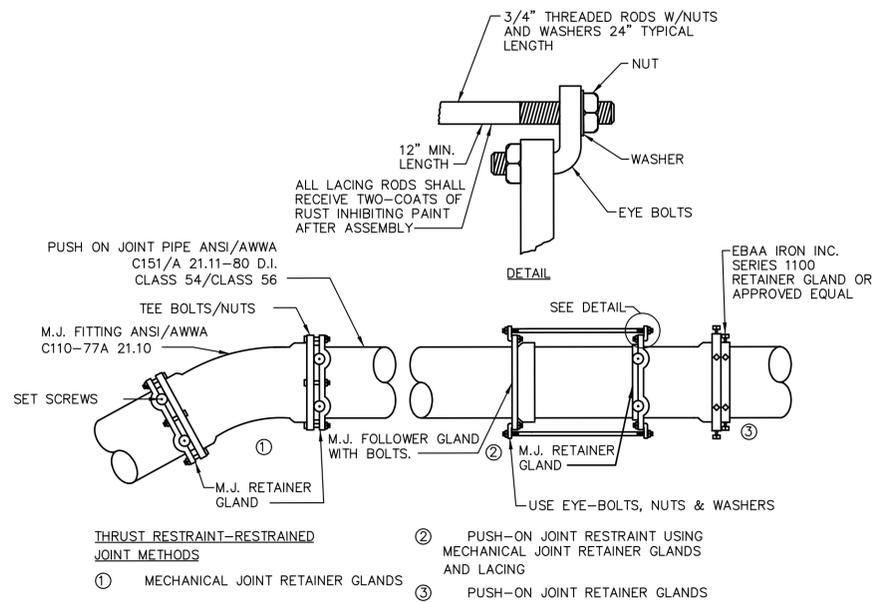
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STRATFORD

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MITIGATION SITE 2

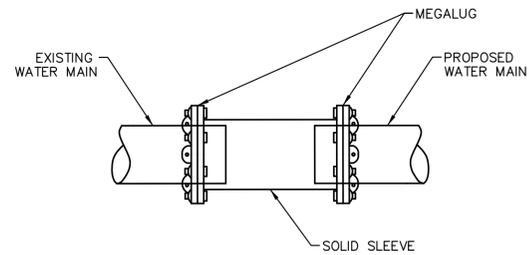
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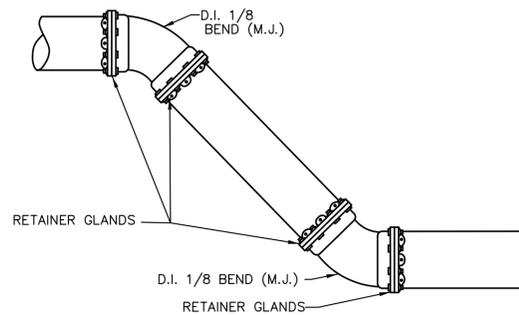
SHEET NO.  
7.026



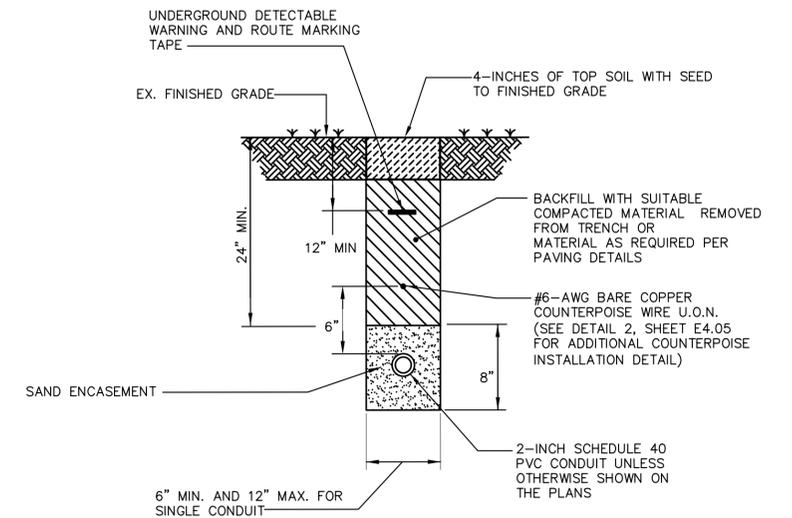
TYPICAL RESTRAINED JOINTS  
SCALE: NTS



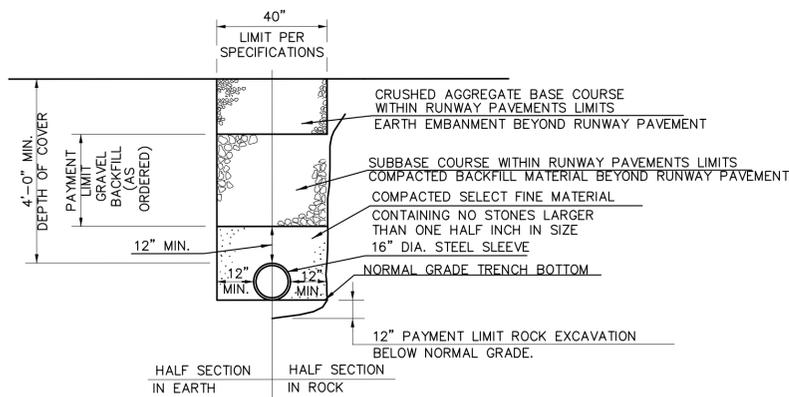
CONNECTION TO EXISTING WATER MAIN  
SCALE: NTS



TYPICAL OFFSET  
SCALE: NTS

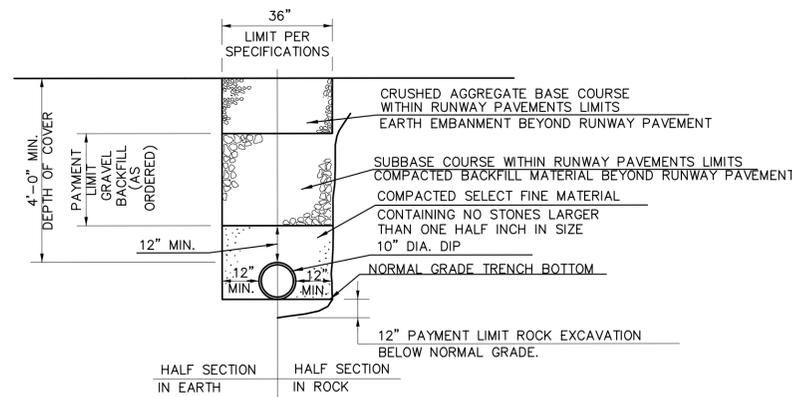


SECTION-DIRECT BURIAL CONDUIT  
SCALE: NTS



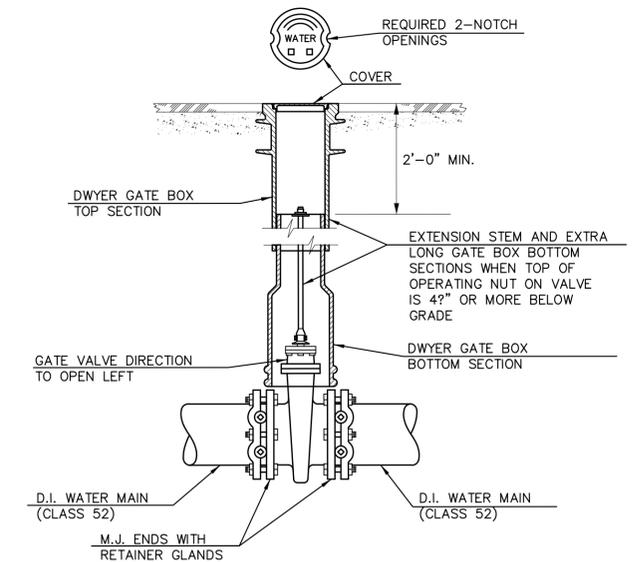
STEEL SLEEVE INSTALLATION DETAIL  
TYPICAL TRENCH & PAYMENT LIMITS  
SCALE: NTS

- NOTES:
- WARNING TAPE TO BE INSTALLED A MIN. OF 12" ABOVE PIPE LINE.
  - PIPE TRENCHES FOR SLEEVE ABOVE 12" DIA. WILL EXCEED 5 FT. TOTAL DEPTH. ADDITIONAL DEPTH TO MAINTAIN COVER WILL BE PAID FOR PER THE SPECIFICATIONS.



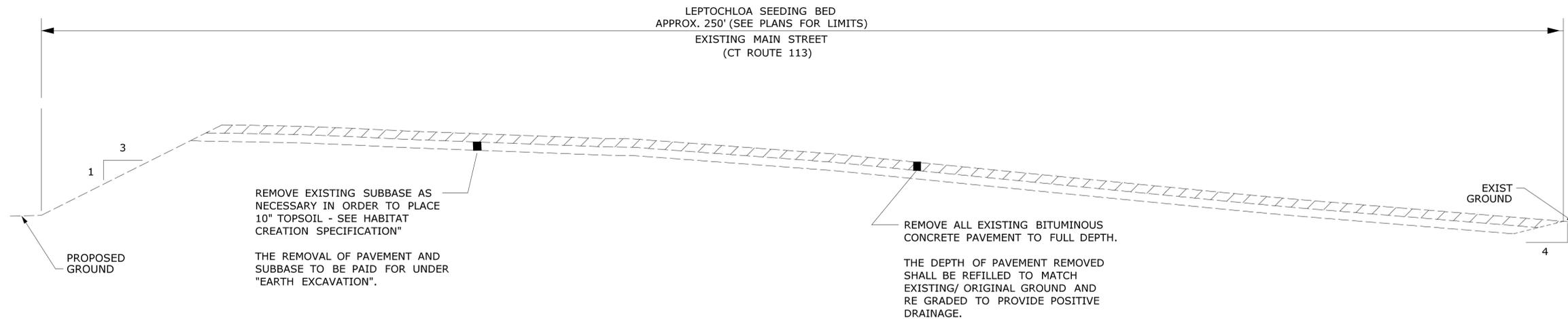
WATER MAIN INSTALLATION DETAIL  
TYPICAL TRENCH & PAYMENT LIMITS  
SCALE: NTS

- NOTES:
- WARNING TAPE TO BE INSTALLED A MIN. OF 12" ABOVE PIPE LINE.

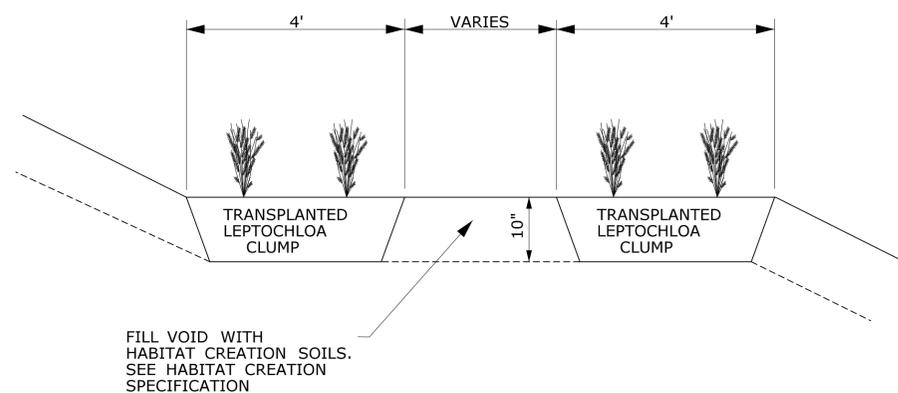


TYPICAL GATE VALVE INSTALLATION  
12" & SMALLER  
SCALE: ?"=1'-0"

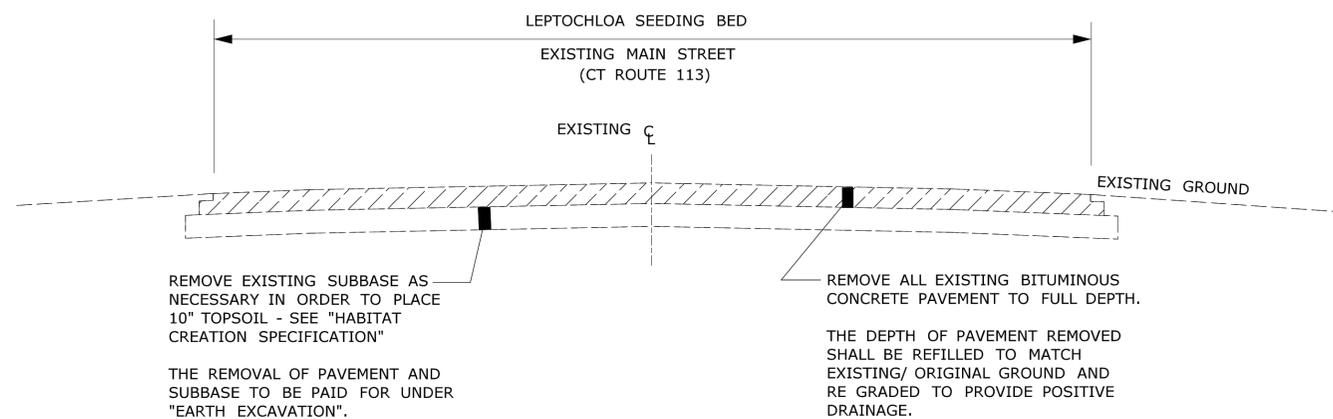
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			DESIGNER/DRAFTER: CHECKED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK:	PROJECT TITLE: RUNWAY SAFETY AREA PROJECT IGOR. I. SIKORSKY MEMORIAL AIRPORT	TOWN: STRATFORD	PROJECT NO. 15-336
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted: 6/27/2013	Filename: ...11147861MIT.02_TypD13.dgn	DRAWING TITLE: TYPICAL DETAILS 3 MITIGATION SITE 2		SHEET NO. MIT-27 7.027			



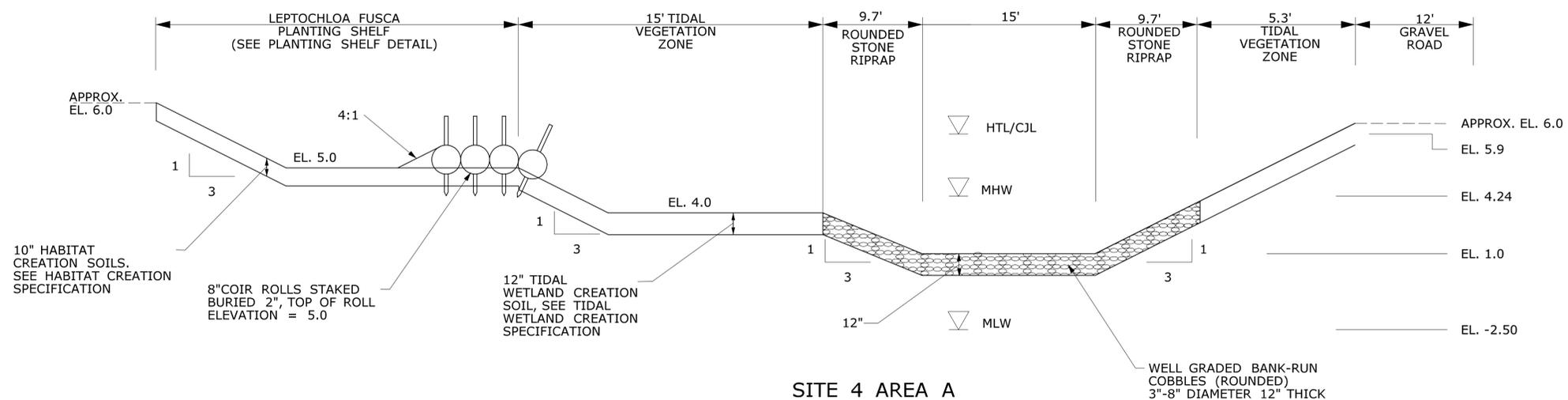
SITE 4 AREA B  
PAVEMENT REMOVAL SECTION B-B



PLANTING SHELF DETAIL

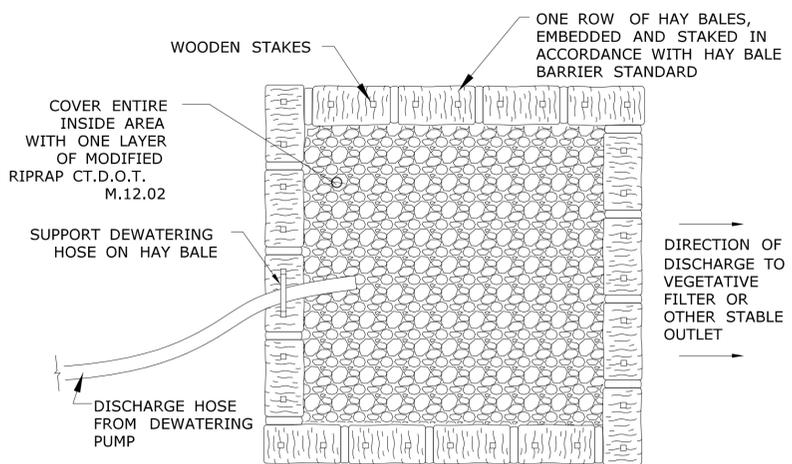
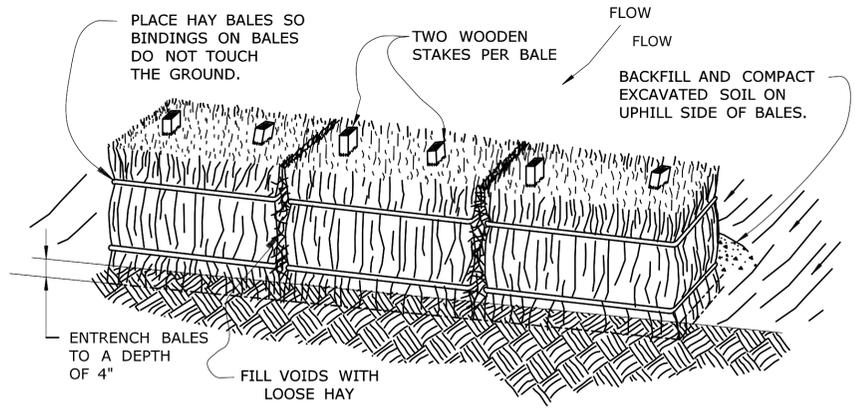


SITE 4 AREA B  
PAVEMENT REMOVAL SECTION C-C



SITE 4 AREA A  
TYPICAL CHANNEL SECTION A-A

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			DESIGNER/DRAFTER: CHECKED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK:	PROJECT TITLE: RUNWAY SAFETY AREA PROJECT IGOR. I. SIKORSKY MEMORIAL AIRPORT	TOWN: STRATFORD	PROJECT NO. 15-336
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted: 6/27/2013	Filename: ...11147861MIT.04_TypDtl.dgn	DRAWING NO. MIT-28	SHEET NO. 7.028	DRAWING TITLE: TYPICAL DETAILS MITIGATION SITE 4	SHEET NO. 7.028	PROJECT NO. 15-336	DRAWING NO. MIT-28



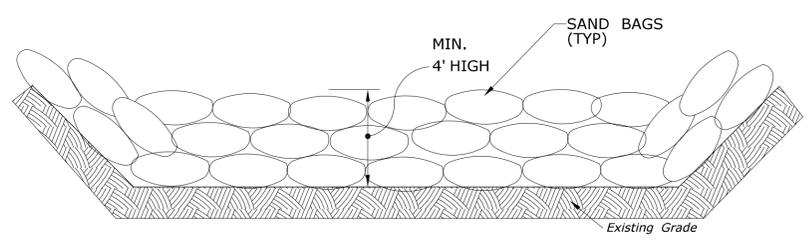
1. INSTALL HAYBALES ACCORDING TO HAYBALE SYSTEM DETAIL.
2. SIZE OF BASIN SHALL BE DETERMINED BY THE FOLLOWING:  
STORAGE (CUBIC FEET) = PUMP DISCHARGE (GPM) x 16
3. MINIMUM INSPECTION RATE SHALL BE EVERY TWO HOURS DURING CONTINUOUS OPERATION. REMOVE ACCUMULATED SEDIMENTS WHEN EQUAL TO ONE HALF OF THE REQUIRED STORAGE VOLUME. DISPOSE OF SEDIMENTS PROPERLY OFF-SITE.
4. OVERFLOW DISCHARGE FROM THE BASIN SHALL FOLLOW THE GENERAL DIRECTION EXISTING DRAINAGE PATTERNS AND SHALL ONLY FLOW OVER AREAS PERMANENTLY STABILIZED.
5. ALTERNATE TREATMENT: CONTRACTOR MAY SUBMIT BAG FILTER SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL.

NOTES:

1. HAY BALES SHALL NOT BE USED IN A WATERCOURSE.
2. HAY BALES SHALL BE ENTRENCHED 4" AND TIGHTLY BUTTED TOGETHER. REMOVE HEAVY BRUSH AND FILL ALL VOIDS WITH LOOSE HAY.
3. WOOD STAKES SHALL HAVE A MINIMUM CROSS-SECTION SIZE OF AT LEAST 1" x 1" AND A MINIMUM LENGTH OF 4'.
4. CLEAN OUT ACCUMULATED SEDIMENT WHEN ONE-HALF (1/2) OF THE ORIGINAL HEIGHT OF THE HAY BALE FENCE, AS INSTALLED, BECOMES FILLED WITH SEDIMENT OR AS DIRECTED BY THE ENGINEER.
5. NOT TO BE USED IN THE VICINITY OF URBAN AND RESIDENTIAL AREAS.

**TYPE 1 PUMPING SETTLING BASIN**

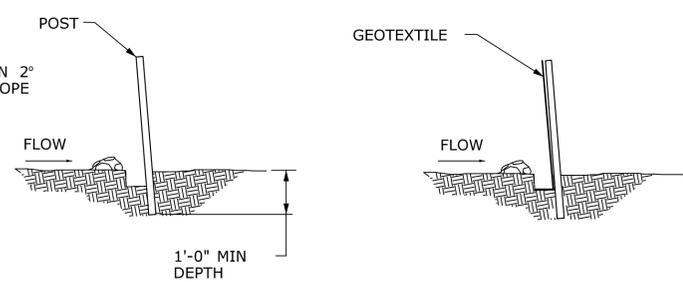
**HAY BALE SYSTEM**



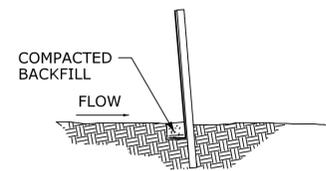
**TEMPORARY DIVERSION SAND BAGS**

1. SET POSTS AND EXCAVATE A 6" x 6" TRENCH. SET POST DOWNSLOPE.

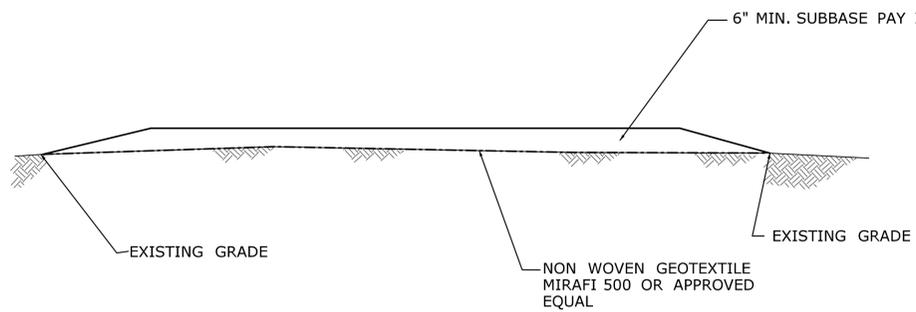
ANGLE MUST BE MORE THAN 2° AND LESS THAN 20° UPSLOPE FOR STABILITY AND SELF CLEANING.



3. BACKFILL THE TRENCH AND COMPACT THE EXCAVATED SOIL.



**SILT FENCE**



**TYPICAL HAUL ROUTE CROSS SECTION (ON-SITE AND CONTINGENCY)**

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 6/27/2013

DESIGNER/DRAFTER:  
B.ANNU  
CHECKED BY:  
F.WALSH  
NOT TO SCALE


**STATE OF CONNECTICUT**  
 DEPARTMENT OF TRANSPORTATION

Filename: ...Sheets\11147881MIT\_GenDtl1.dgn

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BLOCK:

PROJECT TITLE:  
**RUNWAY SAFETY AREA PROJECT**  
**IGOR I. SIKORSKY MEMORIAL AIRPORT**

TOWN:  
**STRATFORD**  
DRAWING TITLE:  
**MITIGATION SITE**  
**GENERAL DETAILS**

PROJECT NO.  
**15-336**  
DRAWING NO.  
**MIT-29**  
SHEET NO.  
**07.029**