

# VOLUME 7 - MITIGATION INDEX OF DRAWINGS

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DESIGNED BY:

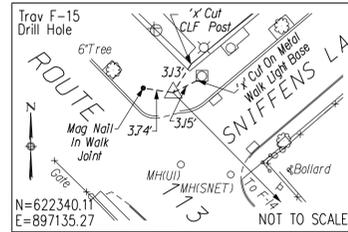
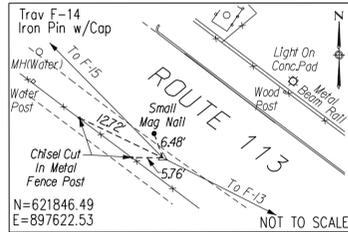
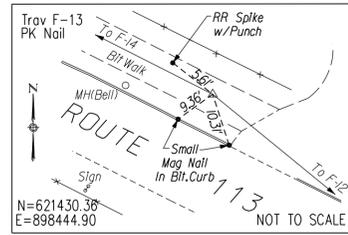
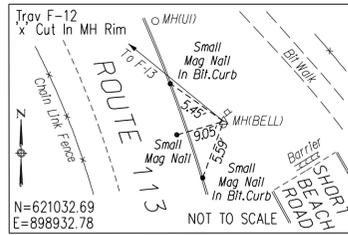


URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

**FINAL DESIGN PLANS**

DESIGNER/DRAFTER: JGR CHECKED BY: RIF		 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION		SIGNATURE/ BLOCK:		 URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067		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>	
REV. DATE REVISION DESCRIPTION SHEET NO.		Plotted: 12/17/2013		Filename: ...11147881MIT_Volume7-Cover.dgn		DRAWING TITLE: <b>VOLUME 7 - MITIGATION INDEX OF DRAWINGS</b>		SHEET NO. <b>7.001</b>		IND-01 <b>MIT-7.01</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:

- 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.
- BEARINGS REFER TO THE CONNECTICUT COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83) BASED UPON NGS MONUMENTS CONTROL & CONTROL AZ MK.
- ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) BASED UPON CGS MONUMENT 638 HOLDING THE PUBLISHED ELEVATION OF 10.203.
- 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

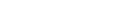
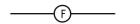
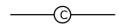
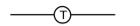
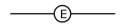
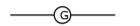
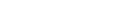
LIMIT OF DISTURBANCE

EROSION CONTROL

SECURITY FENCE

### EXISTING

### PROPOSED



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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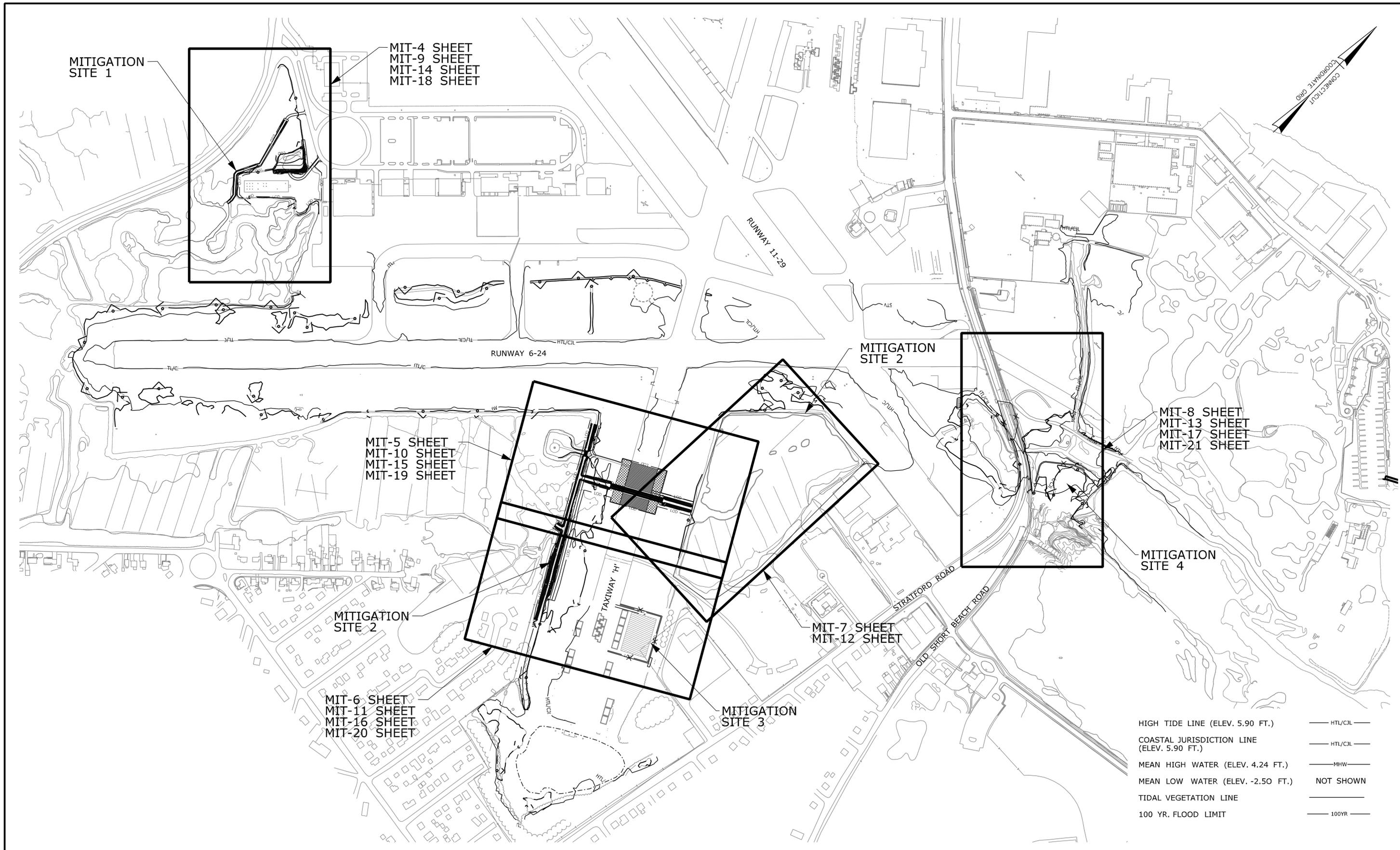
STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

SIGNATURE/BLOCK:  
URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

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

TOWN: STRATFORD  
DRAWING TITLE: GENERAL NOTES, LEGEND & ABBREVIATIONS  
SHEET NO. 7.002

PROJECT NO. 15-336  
DRAWING NO. MIT-2  
SHEET NO. 7.002



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 —

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 11/11/2013

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**STATE OF CONNECTICUT**  
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URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

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

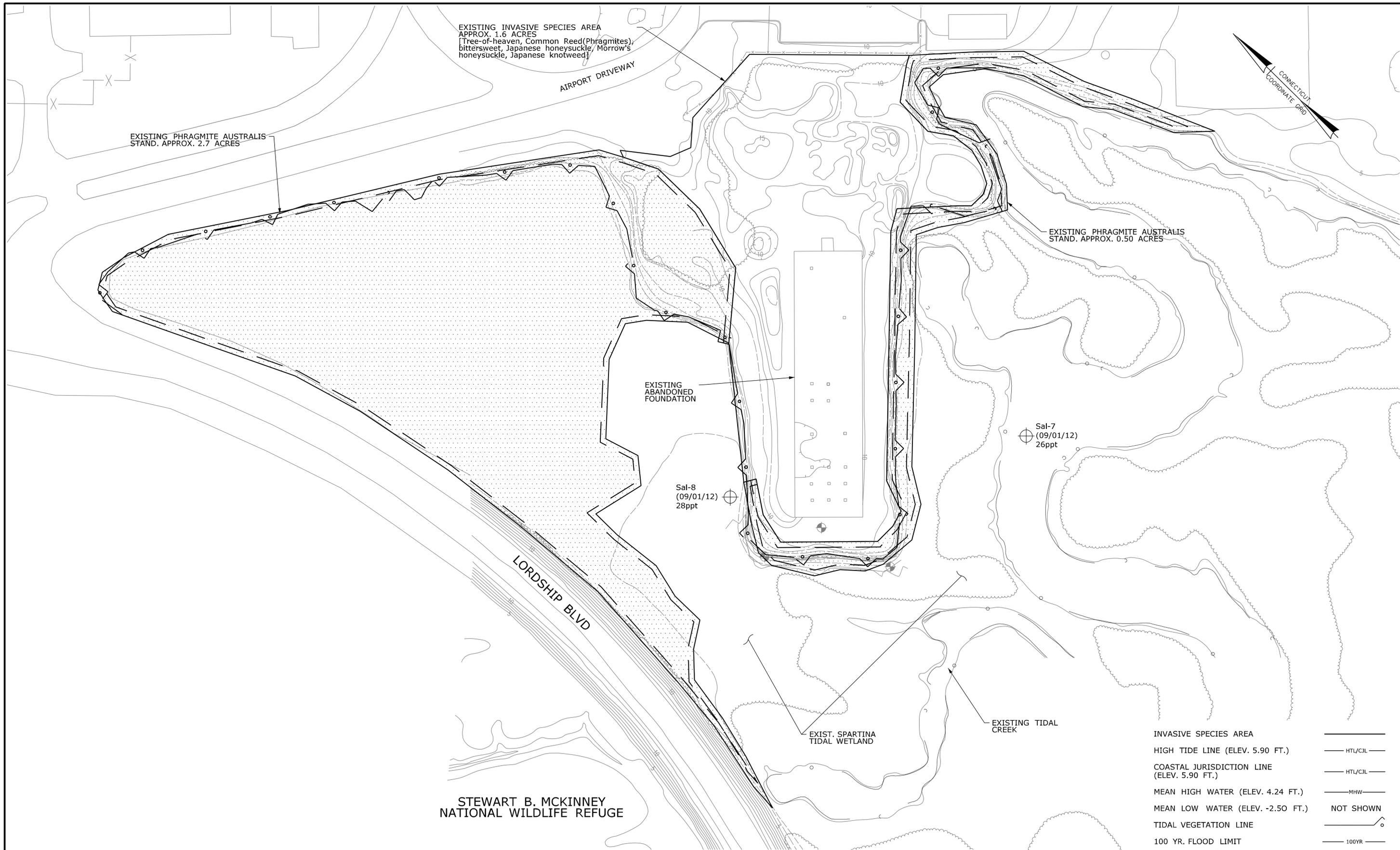
TOWN:  
**STRATFORD**

DRAWING TITLE:  
**KEY PLAN**

PROJECT NO.  
**15-336**

DRAWING NO.  
**MIT-3**

SHEET NO.  
**7.003**



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	——○——
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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ROCKY HILL, CT 06067

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

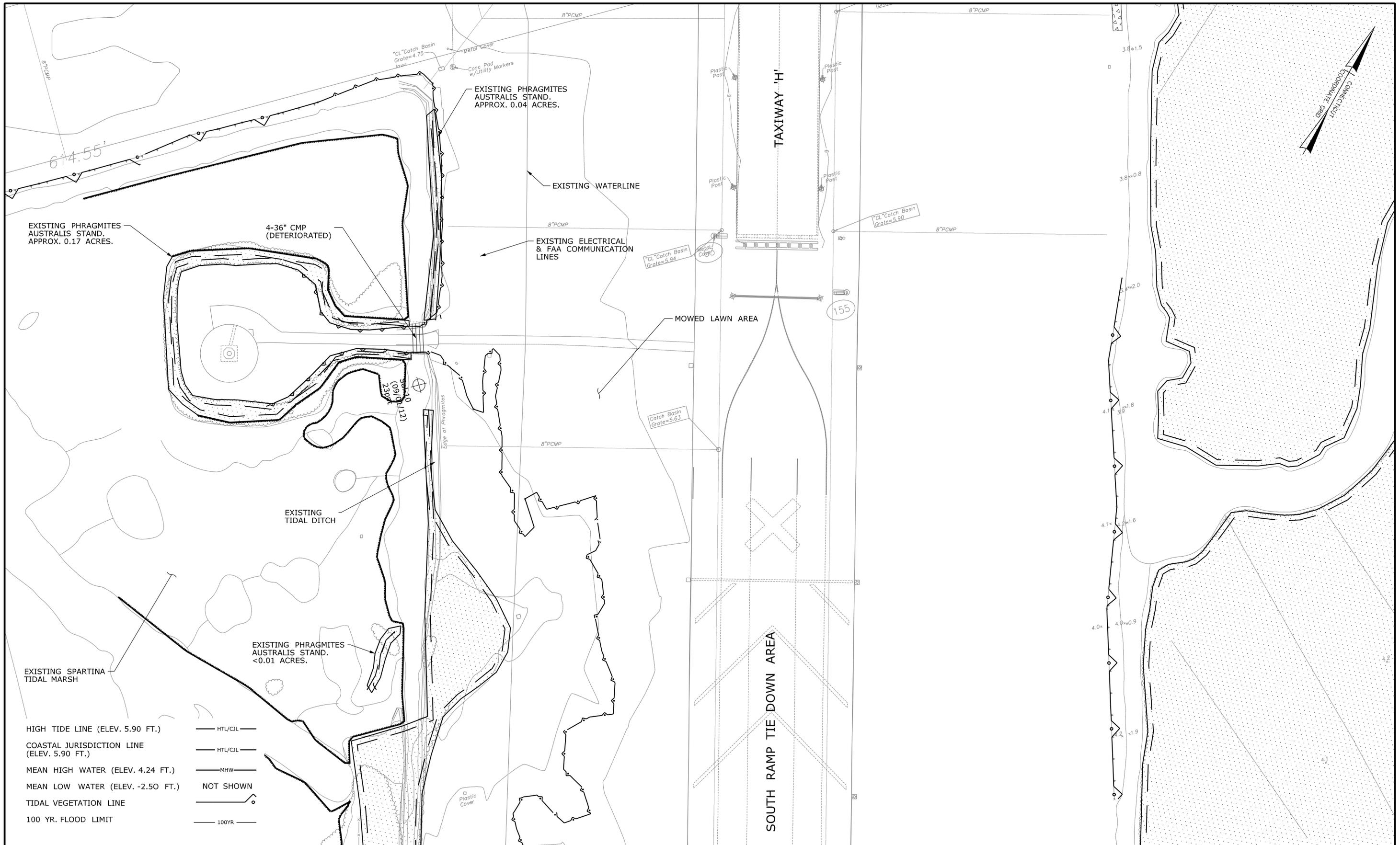
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**STRATFORD**

DRAWING TITLE:  
**EXISTING CONDITIONS  
LORDSHIP BLVD  
MITIGATION SITE 1**

PROJECT NO.  
**15-336**

DRAWING NO.  
**MIT-4**

SHEET NO.  
**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
- 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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 URS CORPORATION AES  
 500 ENTERPRISE DRIVE  
 ROCKY HILL, CT 06067

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.

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STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

Signature/Block: [Professional Engineer Seal]

UR S CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

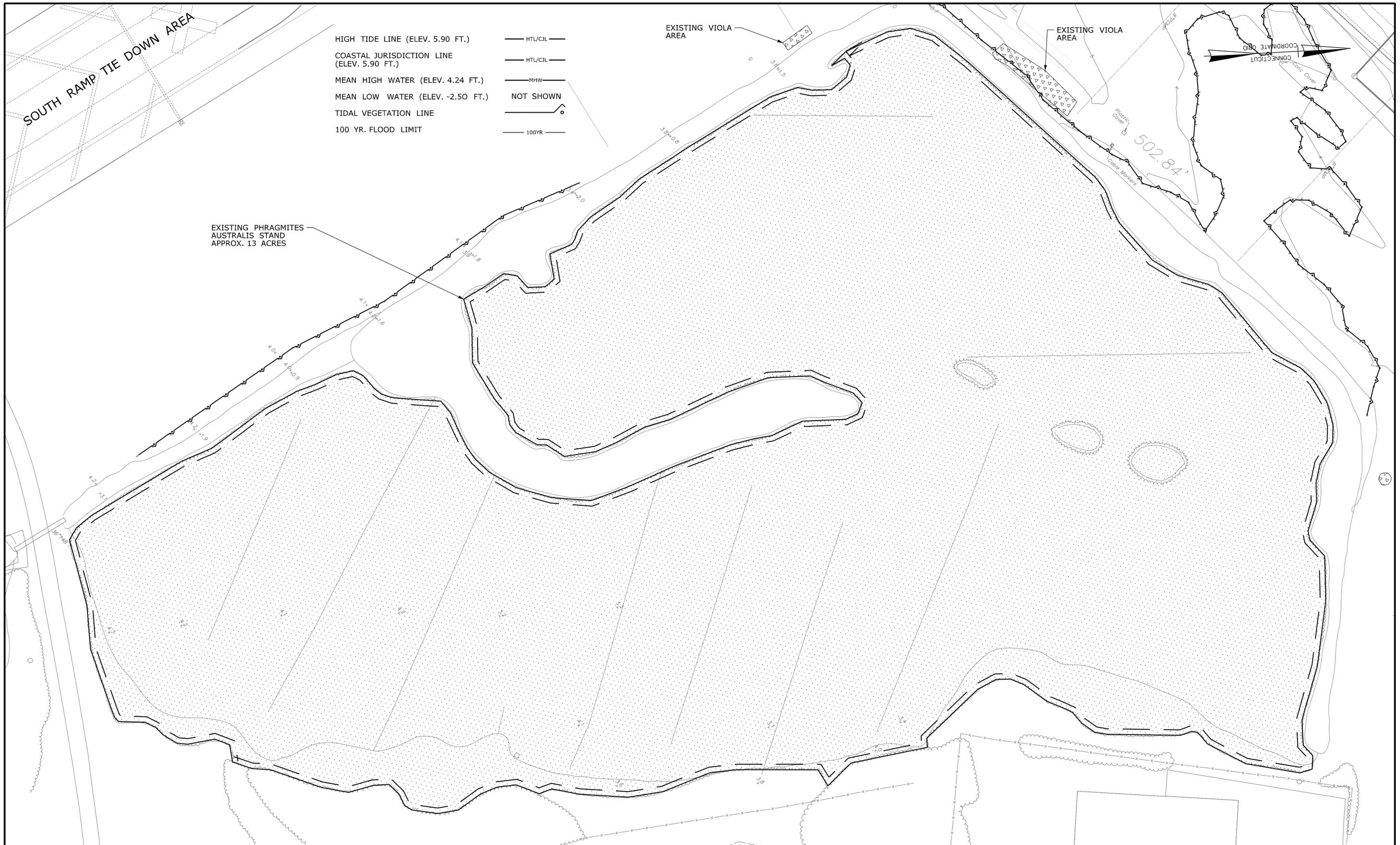
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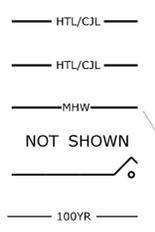
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DRAWING TITLE:  
EXISTING CONDITIONS  
SOUTH RAMP  
MITIGATION SITE 2 & 3

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



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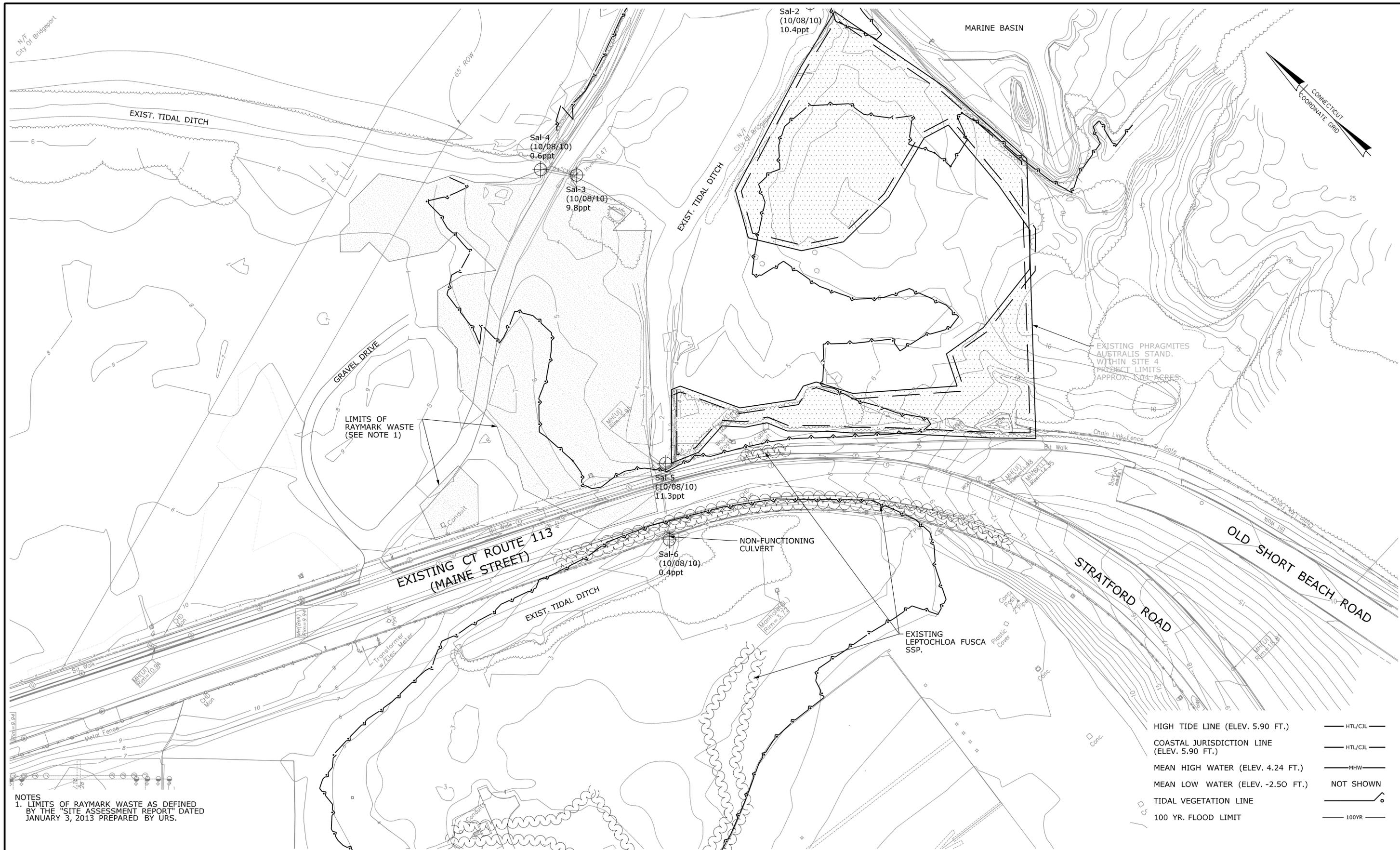
TOWN:  
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DRAWING TITLE:  
 EXISTING CONDITIONS  
 EAST OF SOUTH RAMP  
 MITIGATION SITE 2

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 LEPTOCHLOA FUSCA SSP.

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/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	TVL
100 YR. FLOOD LIMIT	100YR

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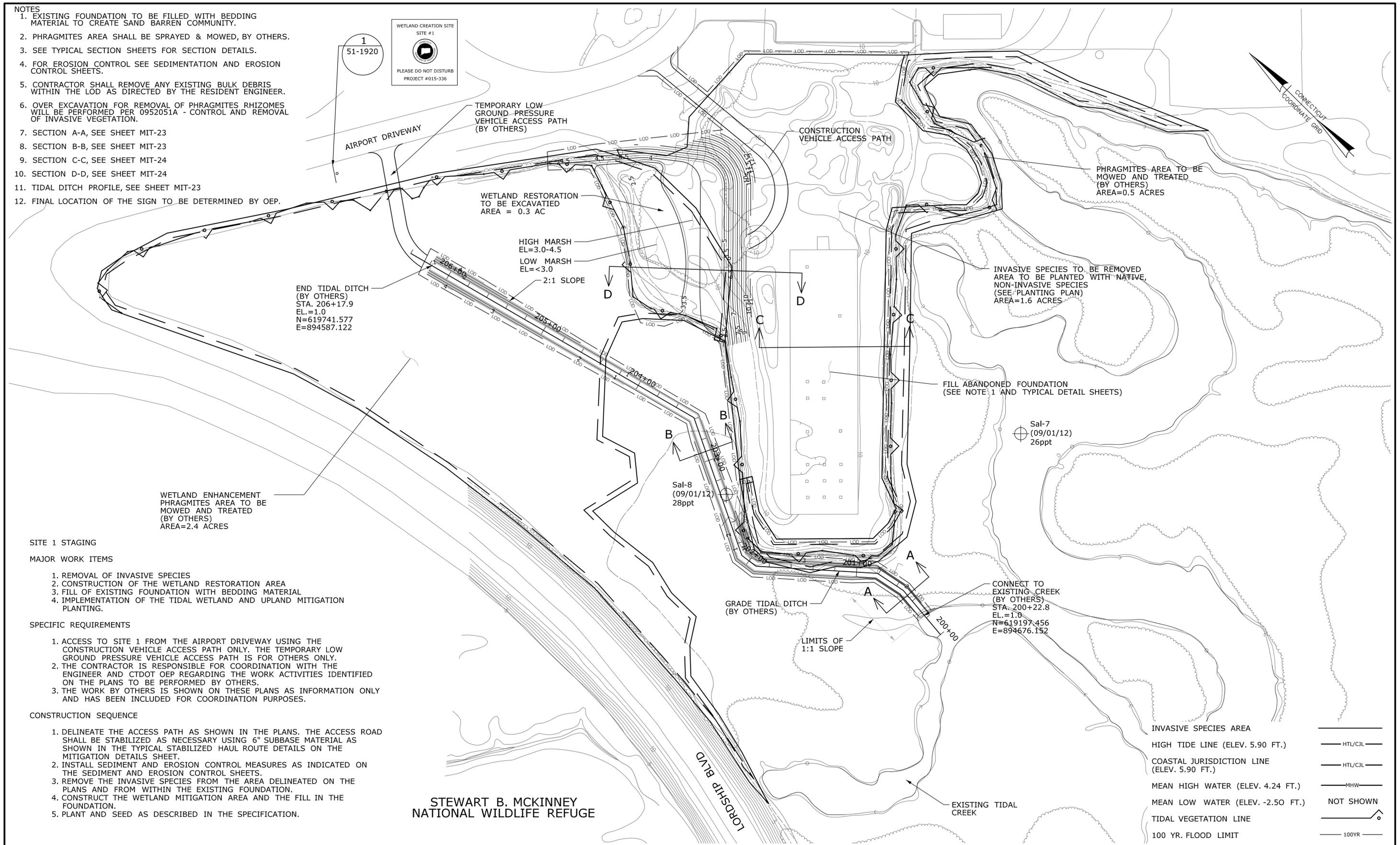
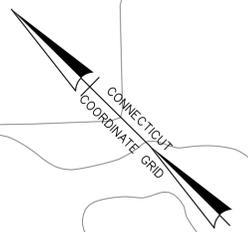
PROJECT TITLE:  
RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN:  
STRATFORD  
DRAWING TITLE:  
EXISTING CONDITIONS  
ROUTE 113 ROADWAY  
MITIGATION SITE 4

PROJECT NO.  
15-336  
DRAWING NO.  
MIT-8  
SHEET NO.  
7.008

- 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
  - FINAL LOCATION OF THE SIGN TO BE DETERMINED BY OEP.

WETLAND CREATION SITE  
SITE #1  
PLEASE DO NOT DISTURB  
PROJECT #015-336



**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

INVASIVE SPECIES AREA	_____
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 —

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/16/2013

DESIGNER/DRAFTER:  
CHECKED BY:

SCALE IN FEET  
0 40 80  
SCALE 1"=40'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

File name: ...Sheets\11147881MIT\_01.dgn

SIGNATURE/  
BLOCK:

URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06867

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

TOWN:  
**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

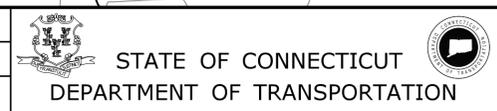
CONNECT TO EXISTING TIDAL DITCH  
STA. 106+17.5  
OFFSET 51.8' RT  
N=619211.987  
E=897178.387

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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0 40 80  
SCALE 1"=40'



SIGNATURE/BLOCK:



PROJECT TITLE:

RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN:

STRATFORD

DRAWING TITLE:

MITIGATION PLAN  
WEST OF SOUTH RAMP  
MITIGATION SITE 2

PROJECT NO.

15-336

DRAWING NO.

MIT-10

SHEET NO.

7.010

- 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/COMMUNICATIONS LINES.
  - THE WORK BY OTHERS IS SHOWN ON THESE PLANS AS INFORMATION ONLY AND HAS BEEN INCLUDED FOR COORDINATION PURPOSES.

- CONSTRUCTION SEQUENCE
- IMPLEMENT CONSTRUCTION SAFETY & PHASING CONTROLS AS SHOWN IN PHASE 3 OF VOLUME 03.
  - 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 THE REMOVAL 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.

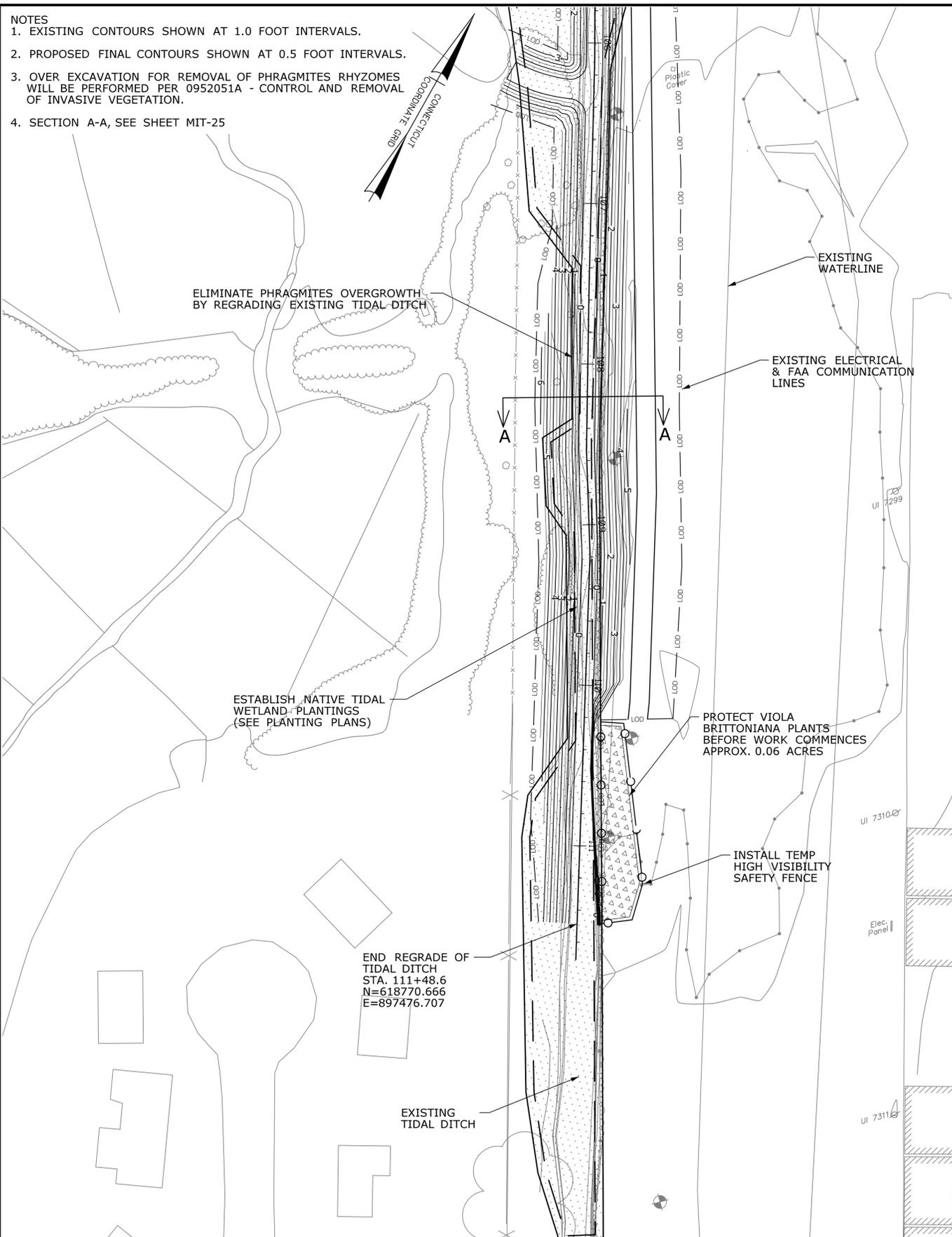
- RELOCATION OF EXISTING WATER LINE
- CONSTRUCT THE TEMPORARY DISCHARGE SEDIMENTATION BASIN ON THE WEST RUNWAY SHOULDER SOUTHEAST OF THE DEWATERING LOCATION ON STABILIZED GROUND. (THE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/17/2013

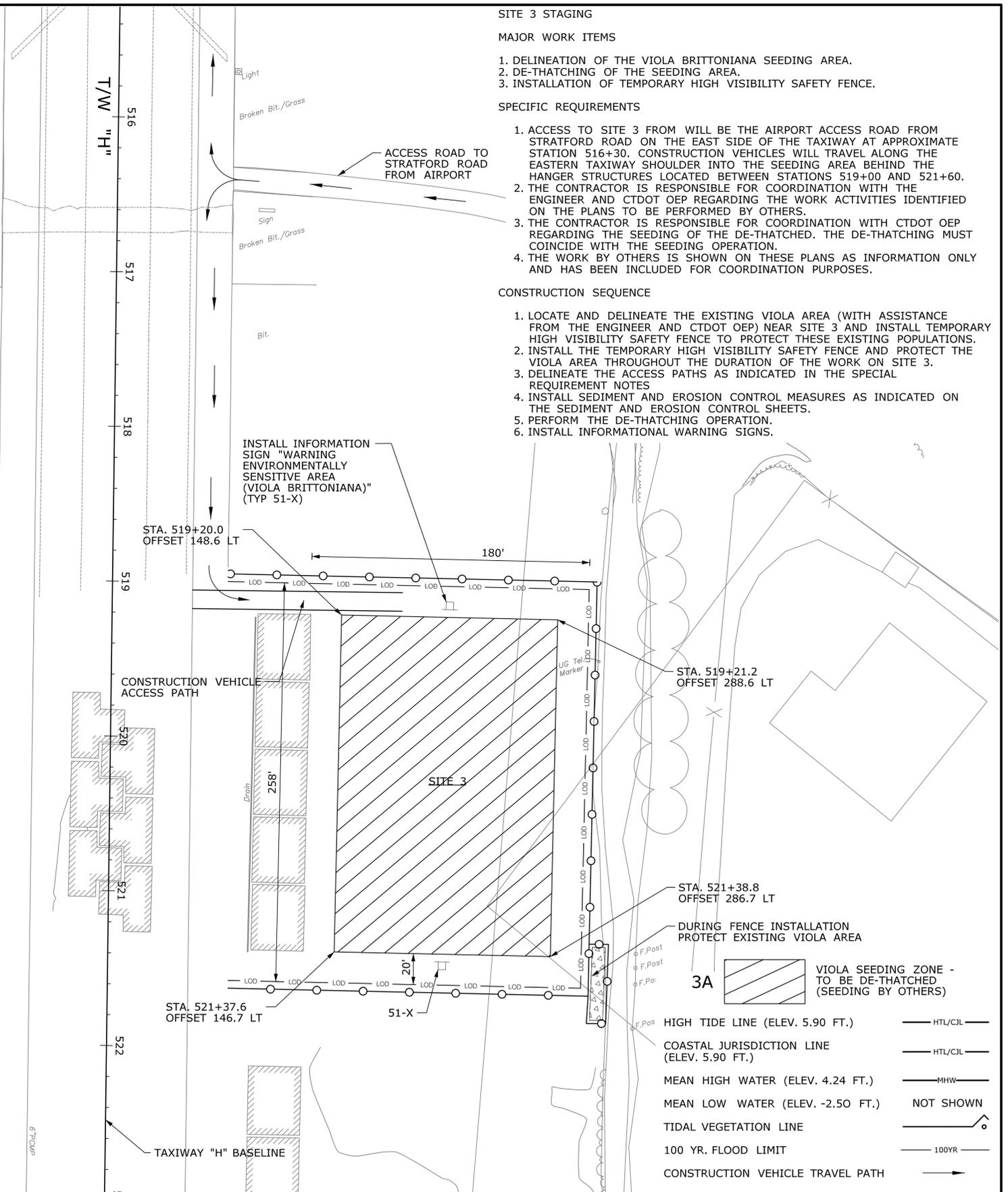
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- NOTES
- EXISTING CONTOURS SHOWN AT 1.0 FOOT INTERVALS.
  - PROPOSED FINAL CONTOURS SHOWN AT 0.5 FOOT INTERVALS.
  - OVER EXCAVATION FOR REMOVAL OF PHRAGMITES RHYZOMES WILL BE PERFORMED PER 0952051A - CONTROL AND REMOVAL OF INVASIVE VEGETATION.
  - 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 EXISTING VIOLA AREA (WITH ASSISTANCE FROM THE ENGINEER AND CTDOT OEP) NEAR SITE 3 AND INSTALL TEMPORARY HIGH VISIBILITY SAFETY FENCE TO PROTECT THESE EXISTING POPULATIONS.
  - 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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Plotted: 12/19/2013

DESIGNER/DRAFTER:  
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SCALE IN FEET  
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SCALE 1"=40'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

FILENAME: ...Sheets\11147881MIT\_02A.dgn

SIGNATURE/BLOCK:  
STATE OF CONNECTICUT  
PROFESSIONAL ENGINEER  
URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06867

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

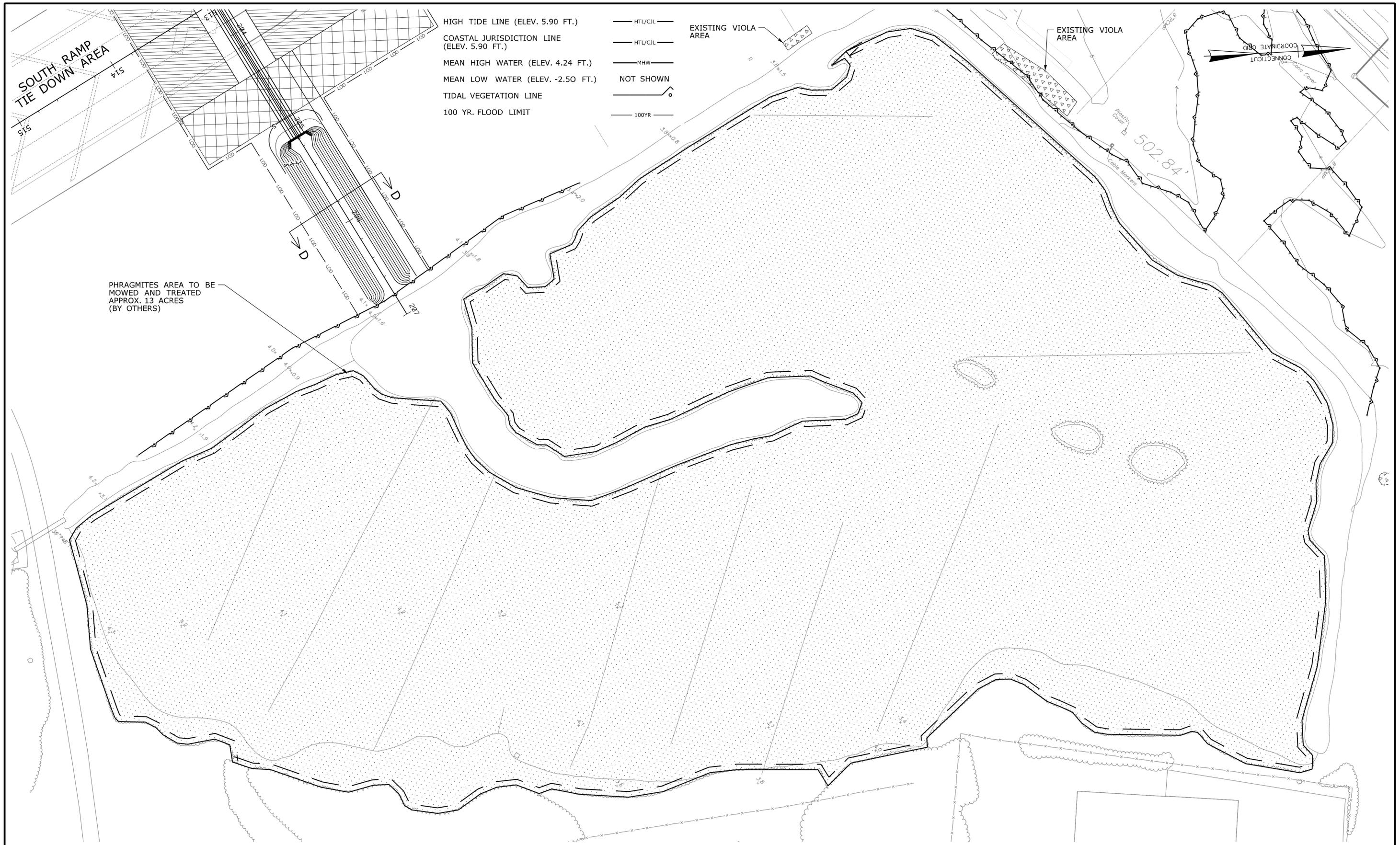
TOWN:  
STRATFORD

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

EXISTING VIOLA AREA

EXISTING VIOLA AREA

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

SOUTH RAMP TIE DOWN AREA

COORDINATE GRID

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER/DRAFTER:  
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 SCALE 1"=40'

STATE OF CONNECTICUT  
 DEPARTMENT OF TRANSPORTATION

SIGNATURE/BLOCK:  

 URS CORPORATION AES  
 500 ENTERPRISE DRIVE  
 ROCKY HILL, CT 06067

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

TOWN:  
**STRATFORD**

DRAWING TITLE:  
**MITIGATION PLAN**  
**EAST OF SOUTH RAMP**  
**MITIGATION SITE 2**

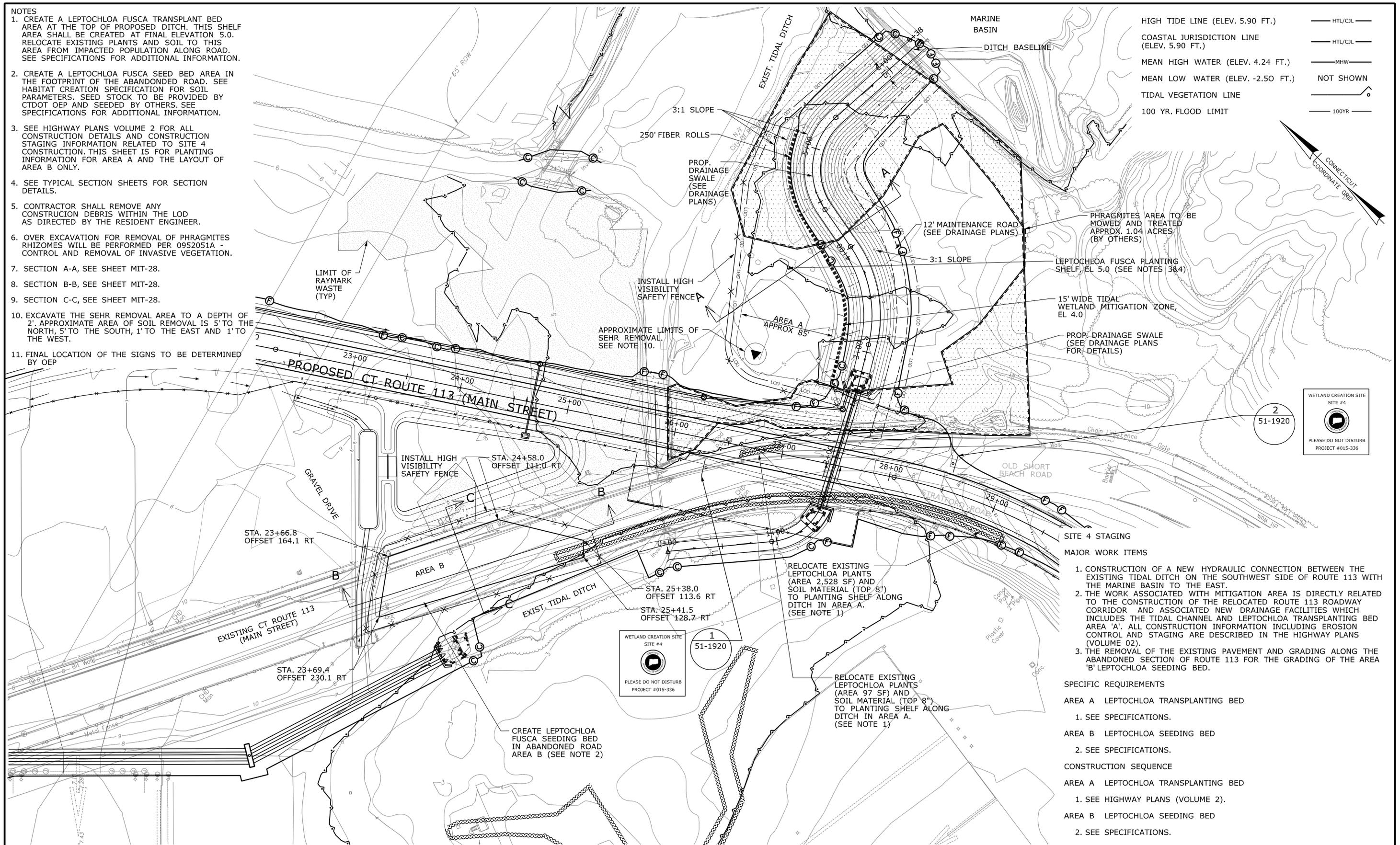
PROJECT NO.  
**15-336**

DRAWING NO.  
**MIT-12**

SHEET NO.  
**7.012**

- 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 SEEDED 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.
  10. EXCAVATE THE SEHR REMOVAL AREA TO A DEPTH OF 2'. APPROXIMATE AREA OF SOIL REMOVAL IS 5' TO THE NORTH, 5' TO THE SOUTH, 1' TO THE EAST AND 1' TO THE WEST.
  11. FINAL LOCATION OF THE SIGNS TO BE DETERMINED BY OEP

- 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



- 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.

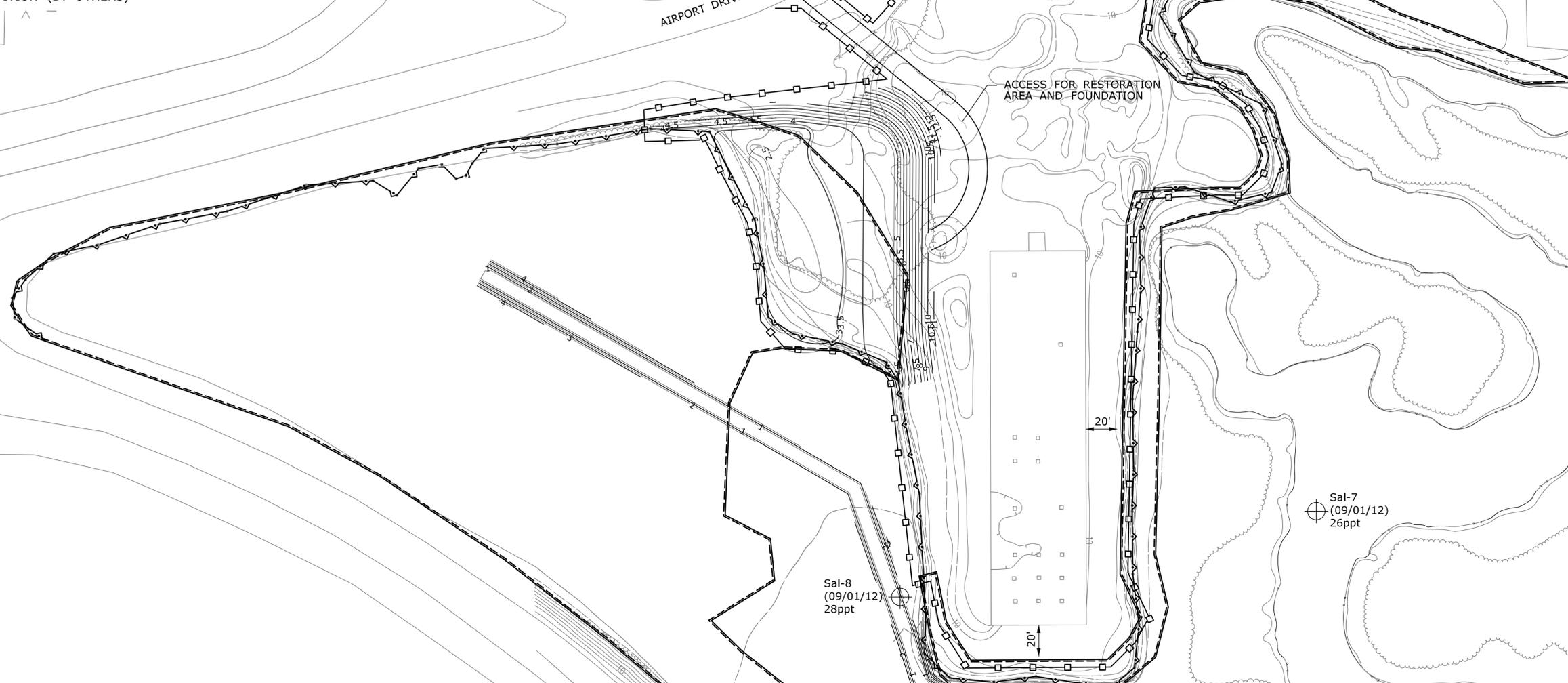
- SPECIFIC REQUIREMENTS**
- AREA A LEPTOCHLOA TRANSPLANTING BED**
1. SEE SPECIFICATIONS.
- AREA B LEPTOCHLOA SEEDING BED**
2. SEE SPECIFICATIONS.
- CONSTRUCTION SEQUENCE**
- AREA A LEPTOCHLOA TRANSPLANTING BED**
1. SEE HIGHWAY PLANS (VOLUME 2).
- AREA B LEPTOCHLOA SEEDING BED**
2. SEE SPECIFICATIONS.

<p>REV. DATE    REVISION DESCRIPTION    SHEET NO.</p>	<p>DESIGNER/DRAFTER: CHECKED BY:</p> <p>SCALE IN FEET 0    40    80 SCALE 1"=40'</p>	<p><b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b></p> <p>File name: ... \Sheets\11147881MIT_04.dgn</p>	<p>SIGNATURE/ BLOCK:</p>	<p>PROJECT TITLE:</p> <p><b>RUNWAY SAFETY AREA PROJECT</b> <b>IGOR. I. SIKORSKY MEMORIAL AIRPORT</b></p>	<p>TOWN:</p> <p><b>STRATFORD</b></p>	<p>PROJECT NO.:</p> <p><b>15-336</b></p> <p>DRAWING NO.:</p> <p><b>MIT-13</b></p> <p>SHEET NO.:</p> <p><b>7.013</b></p>
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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



TYPICAL CHANNEL

Sal-8  
(09/01/12)  
28ppt

Sal-7  
(09/01/12)  
26ppt

INSTALL SAND BAGS  
(BY OTHERS)  
SEE NOTE 2  
TOP OF SANDBAGS  
ELEV=4.24

EXISTING TIDAL CREEK

STEWART B. MCKINNEY  
NATIONAL WILDLIFE REFUGE

LORDSHIP BLVD

- 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: 12/17/2013

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DESIGNER/DRAFTER:

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SCALE IN FEET

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SCALE 1"=40'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

Filename: ...Sheets\11147881MIT\_SED01.dgn

SIGNATURE/BLOCK:

URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06867

PROJECT TITLE:

RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN:

STRATFORD

DRAWING TITLE:

SEDIMENTATION &  
EROSION CONTROL  
SITE 1

PROJECT NO.

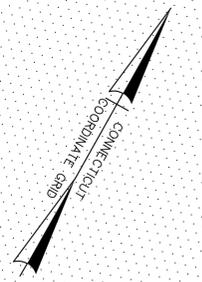
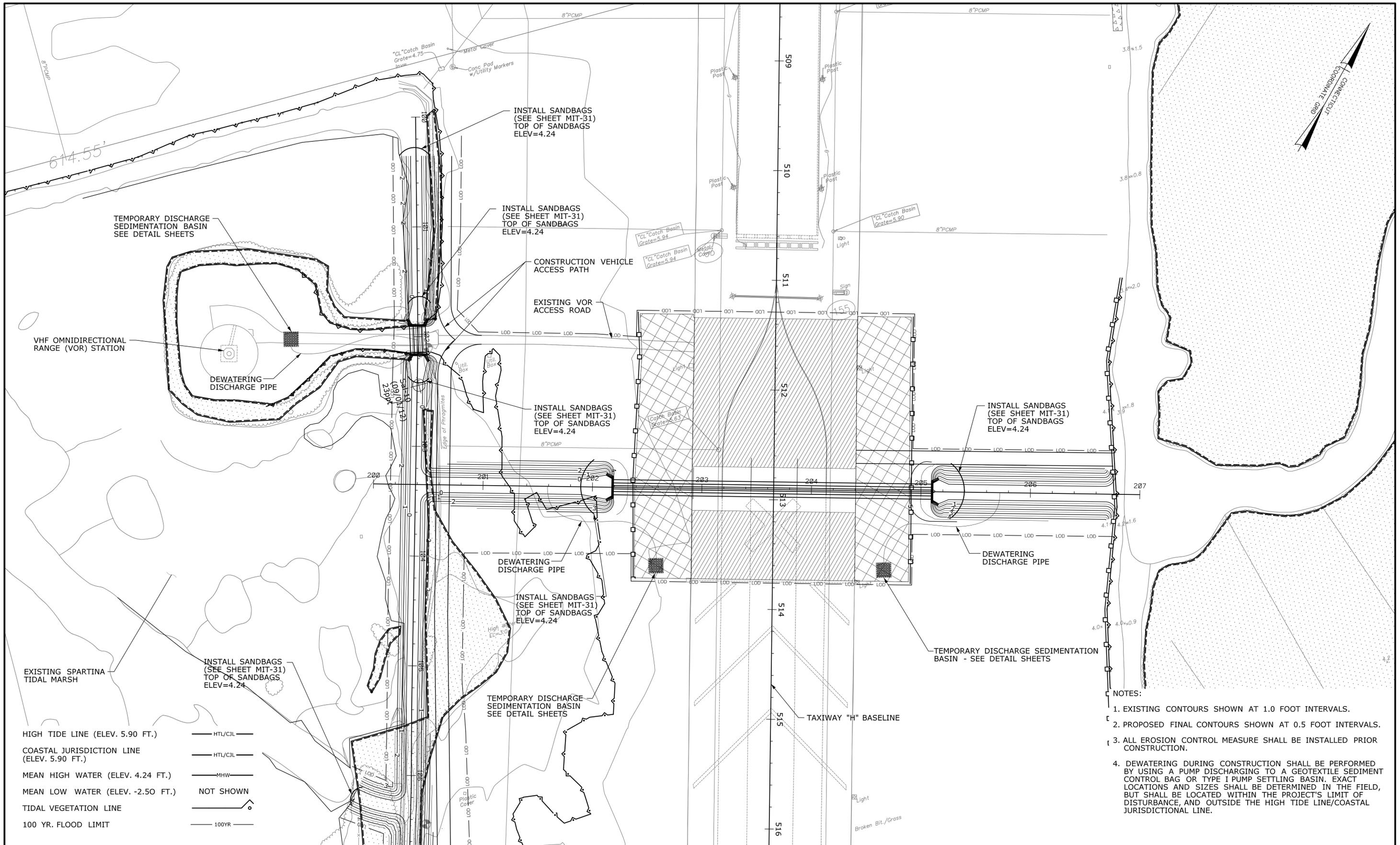
15-336

DRAWING NO.

MIT-14

SHEET NO.

7.014



- EXISTING SPARTINA TIDAL MARSH
- 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:
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.
  4. 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.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/17/2013

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0 40 80  
SCALE 1"=40'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

SIGNATURE/  
BLOCK:

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

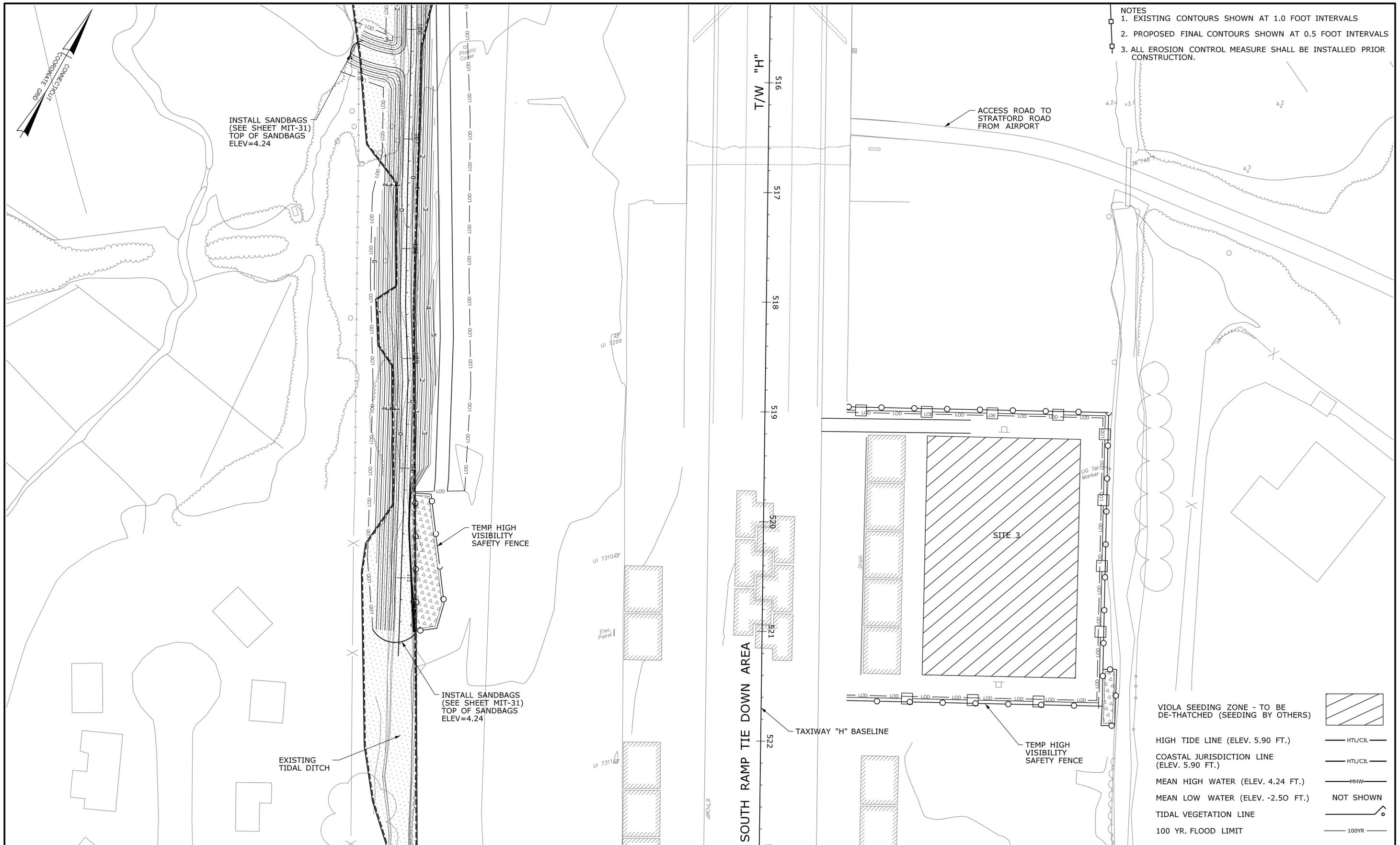
TOWN:  
**STRATFORD**

DRAWING TITLE:  
**SEDIMENTATION &  
EROSION CONTROL  
SITE 2**

PROJECT NO.  
**15-336**

DRAWING NO.  
**MIT-15**

SHEET NO.  
**07.015**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted: 12/17/2013

DESIGNER/DRAFTER:

CHECKED BY:

SCALE IN FEET

0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

FILENAME: ...Sheets\11147881MIT\_SED02A.dgn

SIGNATURE/BLOCK:

URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

PROJECT TITLE:

RUNWAY SAFETY AREA PROJECT  
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN:

STRATFORD

DRAWING TITLE:

SEDIMENTATION AND EROSION CONTROL  
SITE 2 & 3

PROJECT NO.

15-336

DRAWING NO.

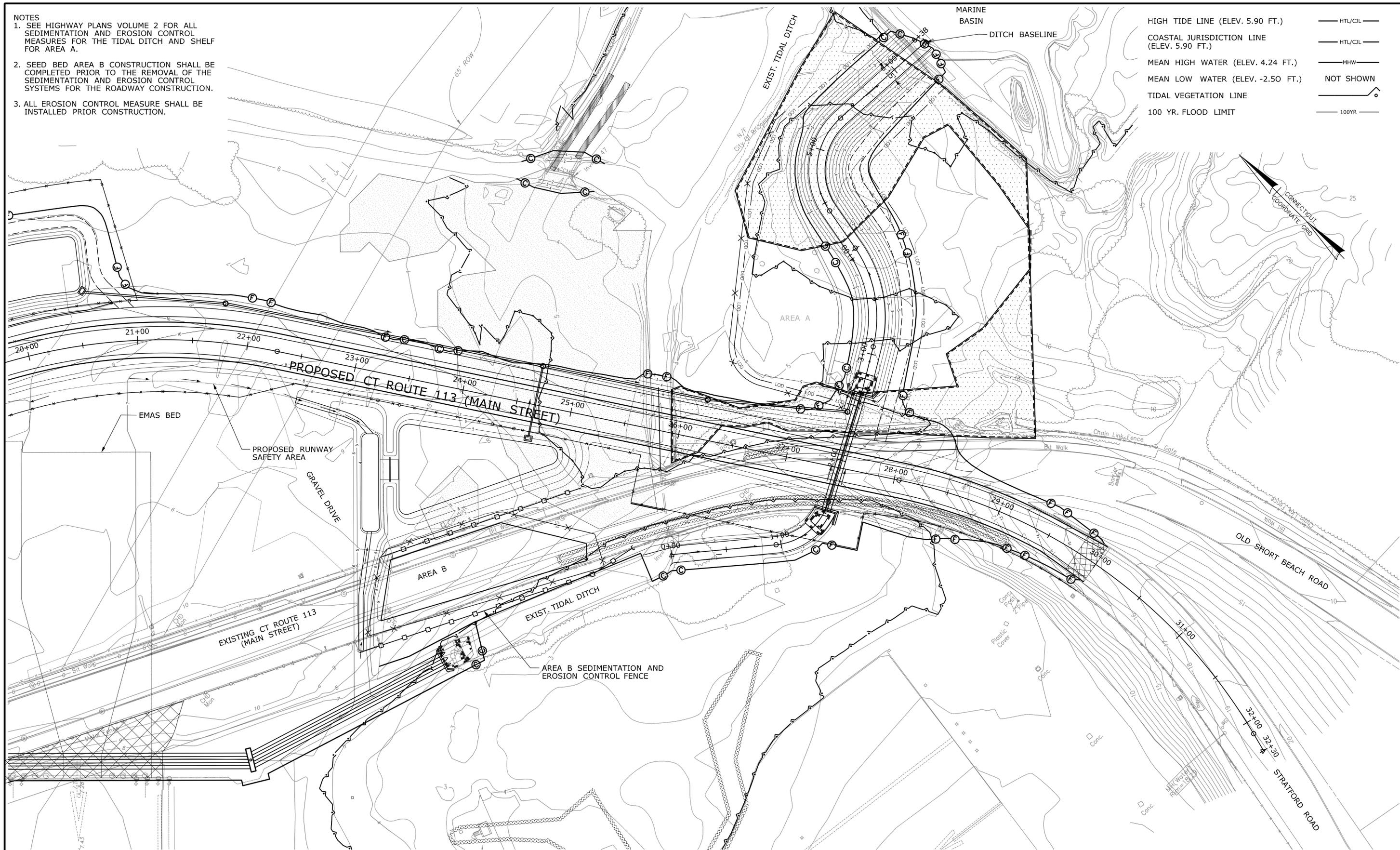
MIT-16

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.) ——— 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:  
CHECKED BY:  
SCALE IN FEET  
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SCALE 1"=40'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

SIGNATURE/BLOCK:  
URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

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

TOWN:  
**STRATFORD**

DRAWING TITLE:  
**SEDIMENTATION & EROSION CONTROL  
SITE 4**

PROJECT NO.  
**15-336**

DRAWING NO.  
**MIT-17**

SHEET NO.  
**7.017**

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 (ALTERNATE FLORA AND PATENS), IVA FRUTESCENS AND/OR BACCHARIS HALIMIFOLIA ARE PLANTED

SMOOTH CORDGRASS PLUGS  
EL=3.0-3.5

SALT MEADOW HAY PLUGS  
EL=3.0-4.5

LOW MARSH  
EL=<3.0

HIGH MARSH  
EL=3.0-4.5

BARN OWL BOX  
OPENING FACES EAST  
(SEE SHEET MIT-24)

ALTERNATE UPLAND SHRUBS  
@10' O.C. WITHIN FOUNDATION  
(SEE PLANTING SCHEDULE)

CONSERVATION SEED MIX  
EL=>6.0

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>	GROUNDSEL 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		18"-24" HT B.B.	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 —

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

Plotted: 11/11/2013  
Filename: ...11147881MIT\_01\_Plant-Plan.dgn

SIGNATURE/BLOCK:  
URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06667

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

TOWN:  
STRATFORD

DRAWING TITLE:  
PLANTING PLAN  
LORDSHIP BLVD  
MITIGATION SITE 1

PROJECT NO.  
15-336

DRAWING NO.  
MIT-18

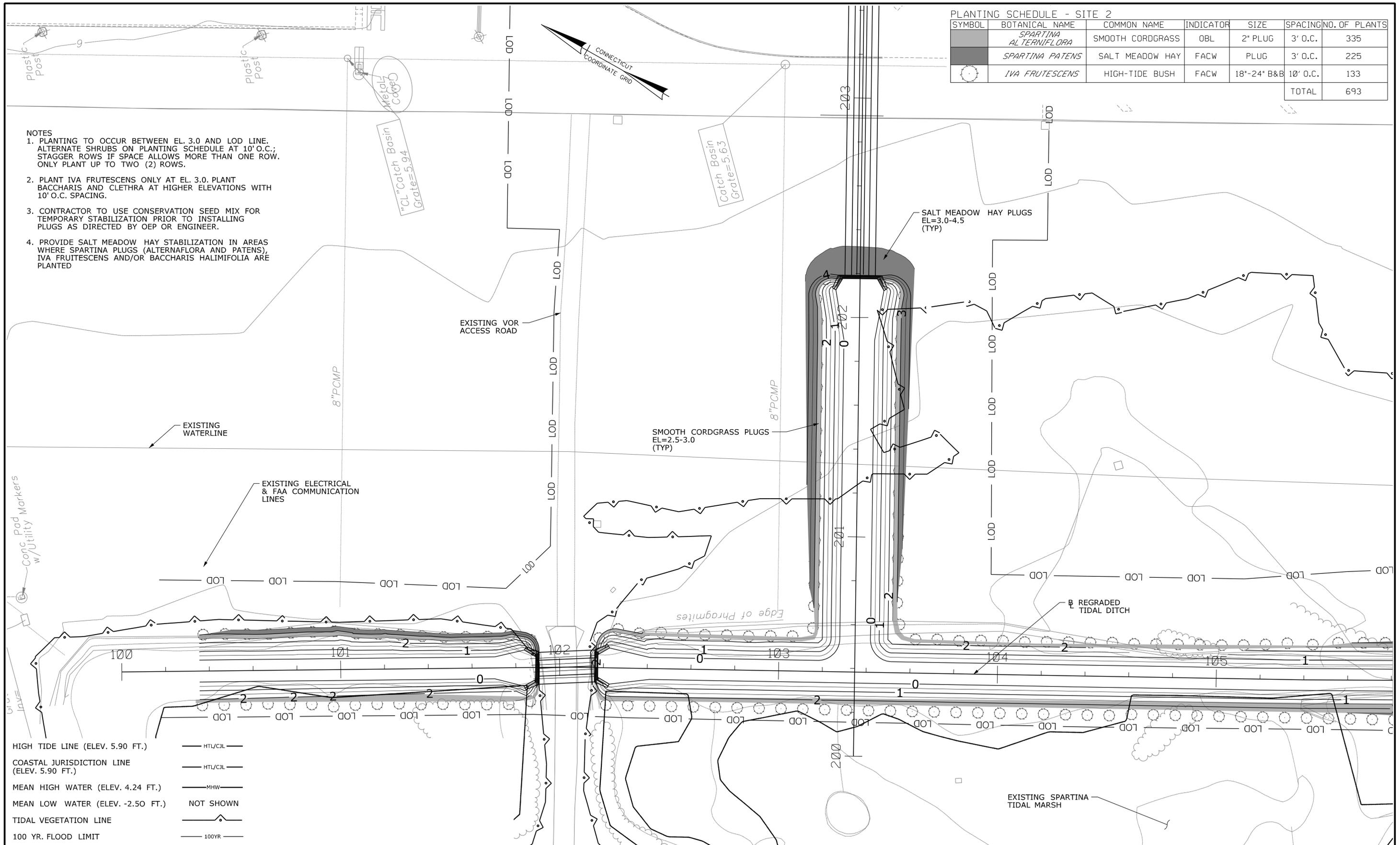
SHEET NO.  
7.018

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

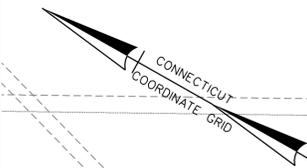
1. PLANTING TO OCCUR BETWEEN EL. 3.0 AND LOD LINE. ALTERNATE SHRUBS ON PLANTING SCHEDULE AT 10' O.C.; STAGGER ROWS IF SPACE ALLOWS MORE THAN ONE ROW. ONLY PLANT UP TO TWO (2) ROWS.
2. PLANT *IVA FRUTESCENS* ONLY AT EL. 3.0. PLANT *BACCHARIS* AND *CLETHRA* AT HIGHER ELEVATIONS WITH 10' O.C. SPACING.
3. 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	— (Symbol) —
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:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK: URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067	PROJECT TITLE: RUNWAY SAFETY AREA PROJECT IGOR. I. SIKORSKY MEMORIAL AIRPORT	TOWN: STRATFORD	PROJECT NO. 15-336
		CHECKED BY:					

Plotted: 11/11/2013    SCALE IN FEET    SCALE 1"=20'    Filename: ...11147881MIT\_02\_Plant-Plan.dgn

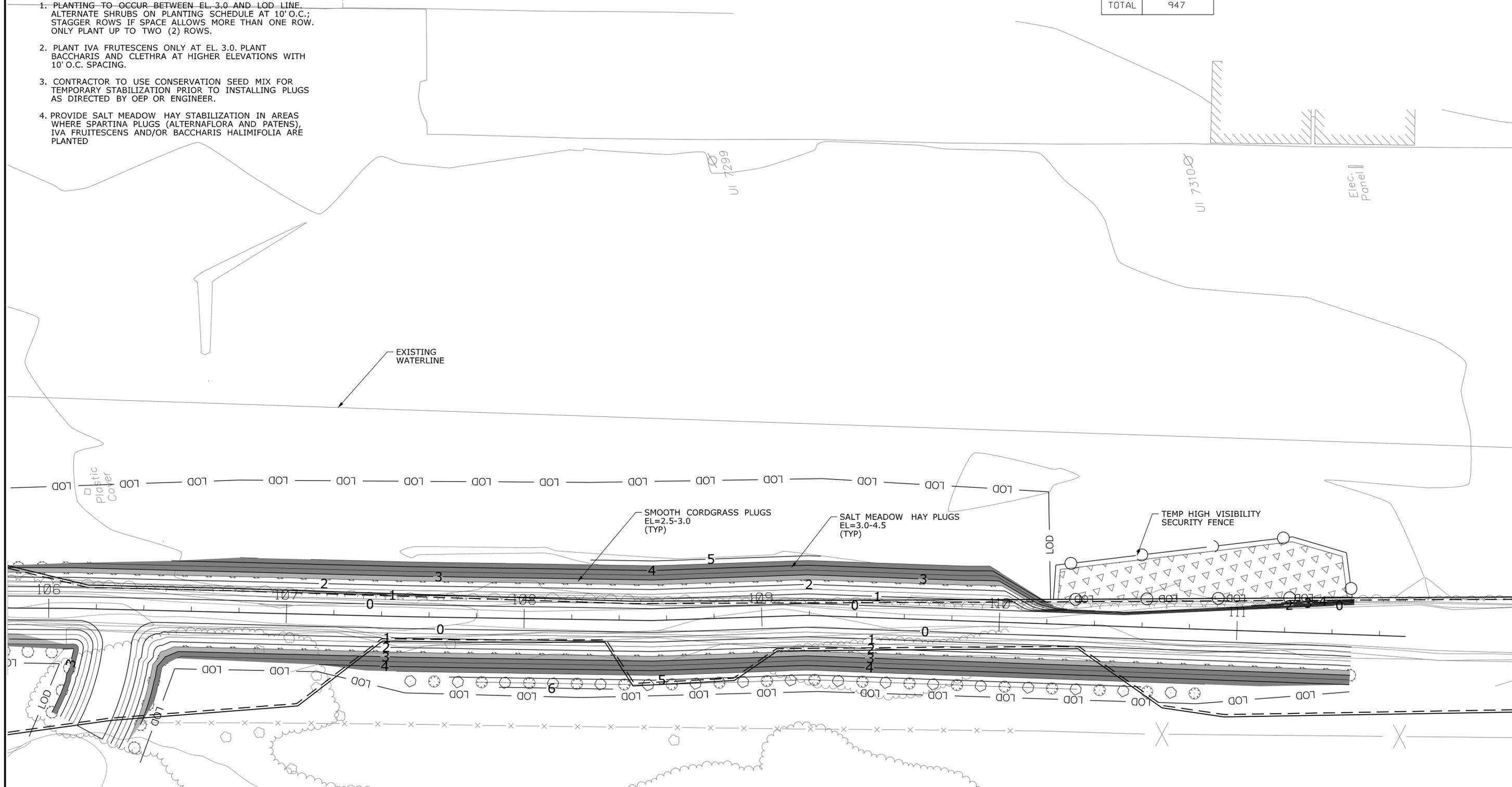


- NOTES**
1. PLANTING TO OCCUR BETWEEN EL. 3.0 AND LOD LINE. ALTERNATE SHRUBS ON PLANTING SCHEDULE AT 10' O.C.; STAGGER ROWS IF SPACE ALLOWS MORE THAN ONE ROW. ONLY PLANT UP TO TWO (2) ROWS.
  2. PLANT IVA FRUTESCENS ONLY AT EL. 3.0. PLANT BACCHARIS AND CLETHRA AT HIGHER ELEVATIONS WITH 10' O.C. SPACING.
  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 (ALTERNAFLOA AND PATENS), IVA FRUTESCENS AND/OR BACCHARIS HALIMIFOLIA ARE PLANTED

**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>	GROUNDSL 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
					TOTAL	947

- 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



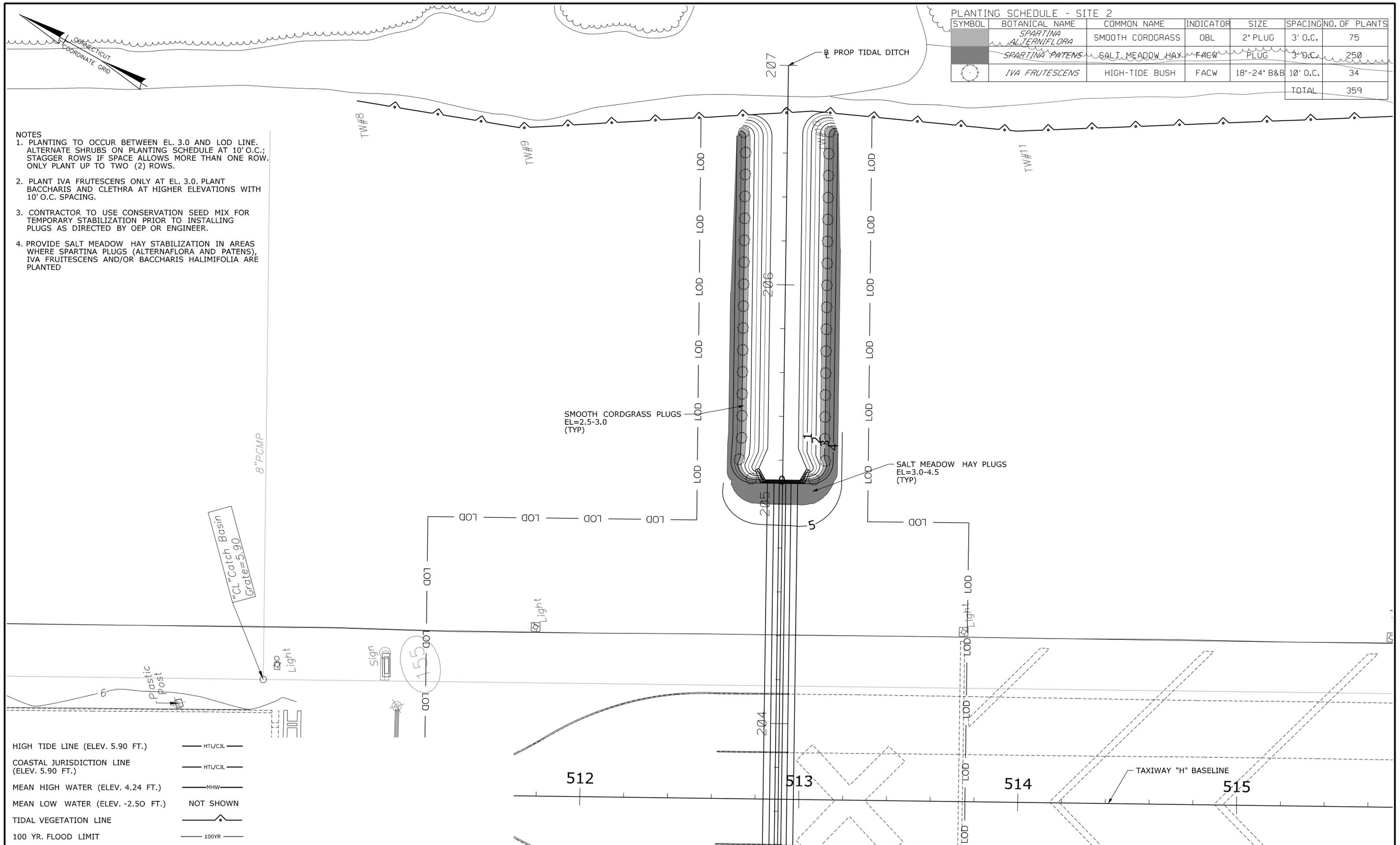
REV. DATE    REVISION DESCRIPTION    SHEET NO.	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER:	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b>	SIGNATURE/BLOCK:  <small>URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06867</small>	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>
		CHECKED BY:					

Plotted: 11/11/2013    SCALE IN FEET    SCALE 1"=20'    Filename: ...11147881MIT\_02A\_Plant-Plan.dgn

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.

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  
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SCALE 1"=20'

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

Filename: ...11147881MIT.02B\_Plant-Plan.dgn

SIGNATURE/BLOCK:  
PROFESSIONAL ENGINEER

URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06867

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

TOWN:  
STRATFORD

DRAWING TITLE:  
PLANTING PLAN 3  
EAST OF SOUTH RAMP  
MITIGATION SITE 2

PROJECT NO.  
15-336

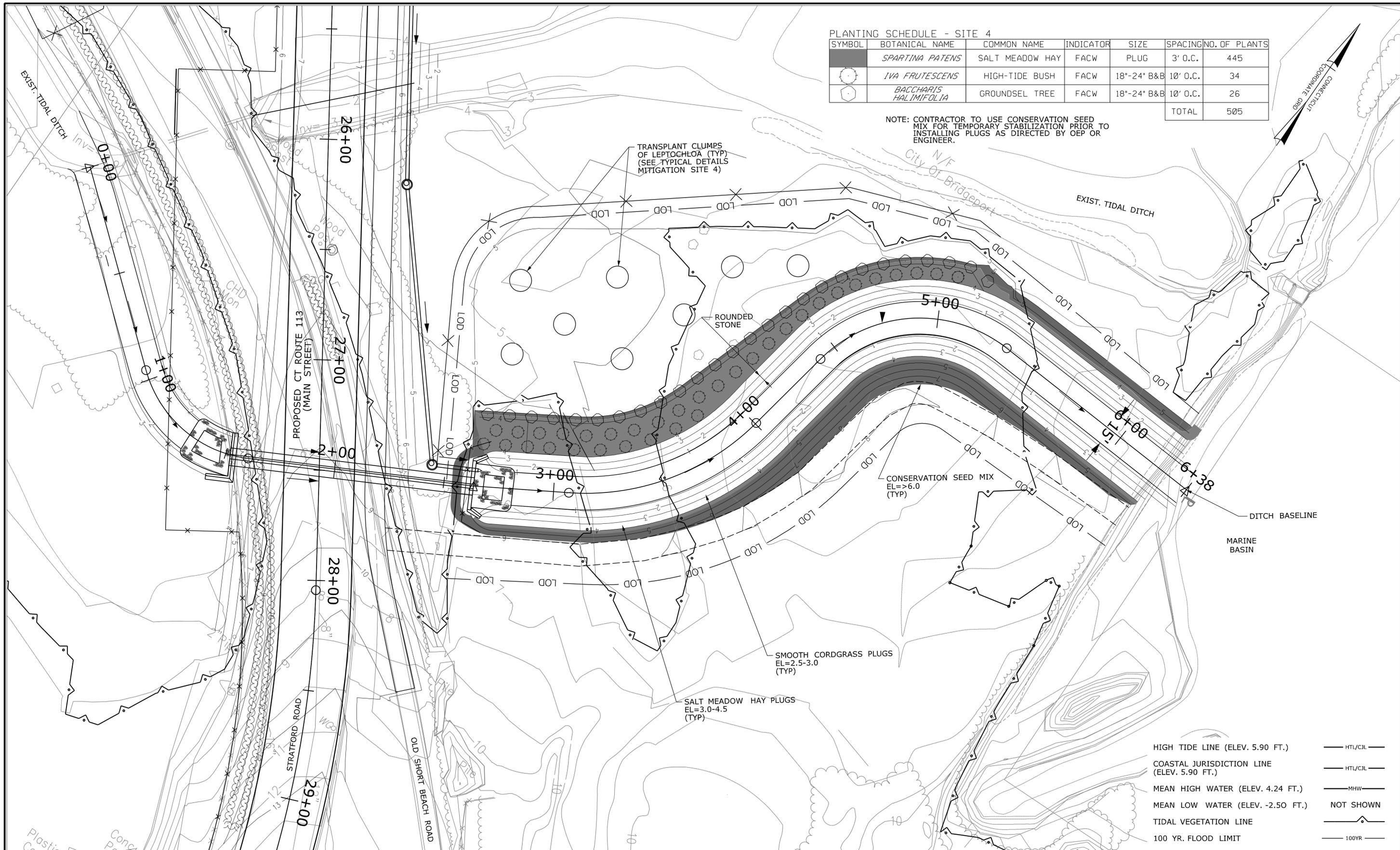
DRAWING NO.  
MIT-21

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

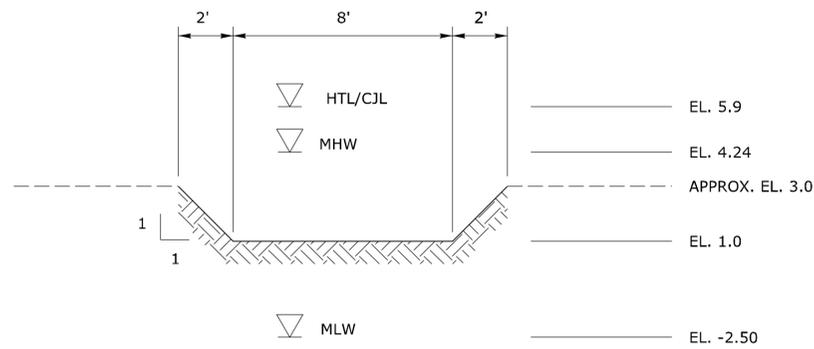
NOTE: CONTRACTOR TO USE CONSERVATION SEED MIX FOR TEMPORARY STABILIZATION PRIOR TO INSTALLING PLUGS AS DIRECTED BY OEP OR ENGINEER.



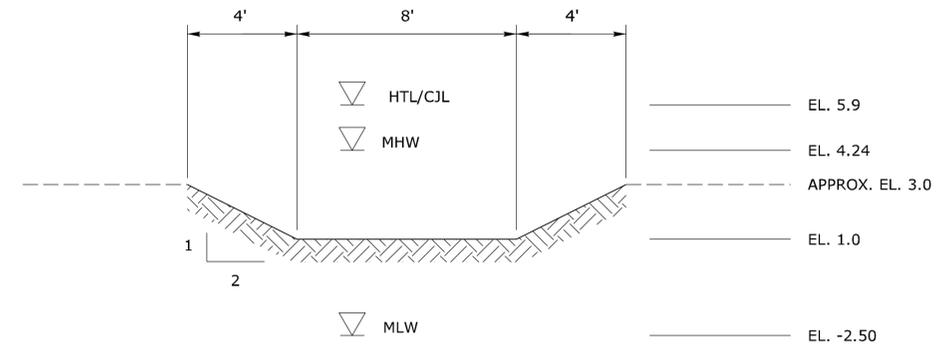
- HIGH TIDE LINE (ELEV. 5.90 FT.) — HTL/CJL —
- COASTAL JURISDICTION LINE (ELEV. 5.90 FT.) — HTL/CJL —
- MEAN HIGH WATER (ELEV. 4.24 FT.) — MHW —
- MEAN LOW WATER (ELEV. -2.50 FT.) NOT SHOWN
- TIDAL VEGETATION LINE —
- 100 YR. FLOOD LIMIT — 100YR —

<p>REV. DATE REVISION DESCRIPTION SHEET NO.</p>	<p>DESIGNER/DRAFTER: CHECKED BY:</p> <p>SCALE IN FEET 0 20 40 SCALE 1" = 20'</p>	 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION	<p>SIGNATURE/BLOCK:</p> URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06667	<p>PROJECT TITLE:</p> <p><b>RUNWAY SAFETY AREA PROJECT</b>  <b>IGOR. I. SIKORSKY MEMORIAL AIRPORT</b></p>	<p>TOWN:</p> <p><b>STRATFORD</b></p> <p>DRAWING TITLE:</p> <p><b>PLANTING PLAN</b>  <b>ROUTE 113 ROADWAY</b>  <b>MITIGATION SITE 4</b></p>	<p>PROJECT NO.</p> <p><b>15-336</b></p> <p>DRAWING NO.</p> <p><b>MIT-22</b></p> <p>SHEET NO.</p> <p><b>7.022</b></p>
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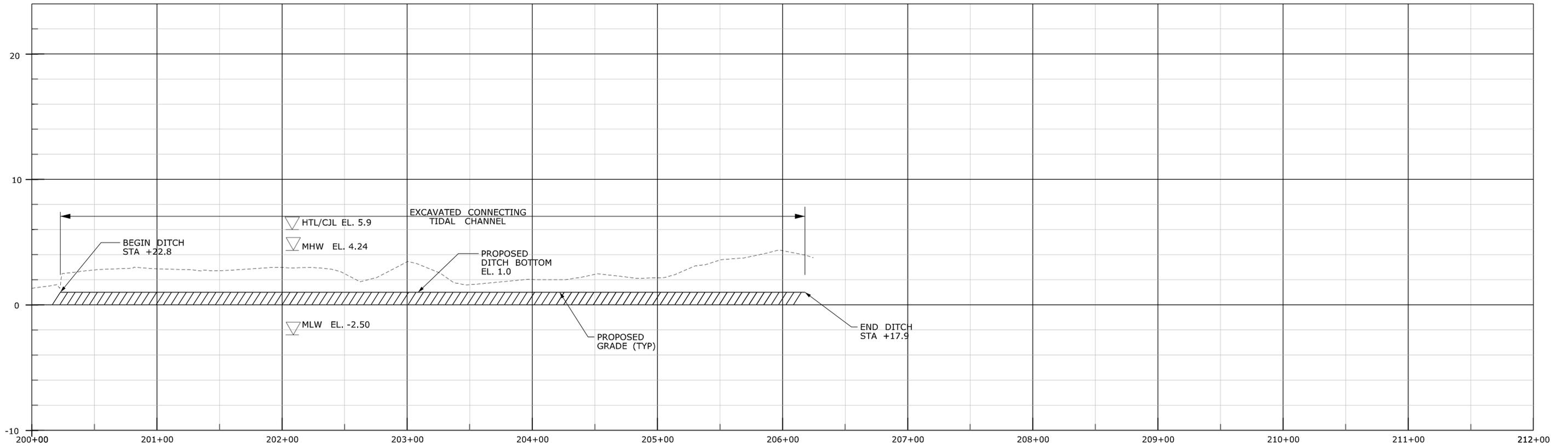
NOTE:  
ALL WORK ON THIS SHEET SHALL BE DONE BY OTHERS  
AND IS INCLUDED FOR INFORMATIONAL PURPOSES ONLY.



**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

FILENAME: ...11147881MIT\_01\_TypDtl.dgn

SIGNATURE/  
BLOCK:

URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06867

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

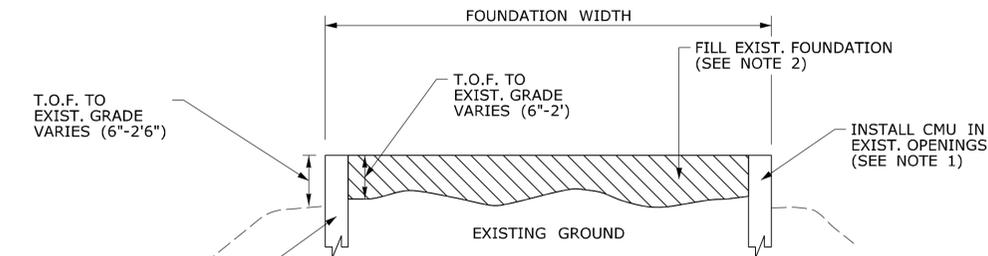
TOWN:  
**STRATFORD**

DRAWING TITLE:  
**TYPICAL DETAILS 1  
MITIGATION SITE 1**

PROJECT NO.  
**15-336**

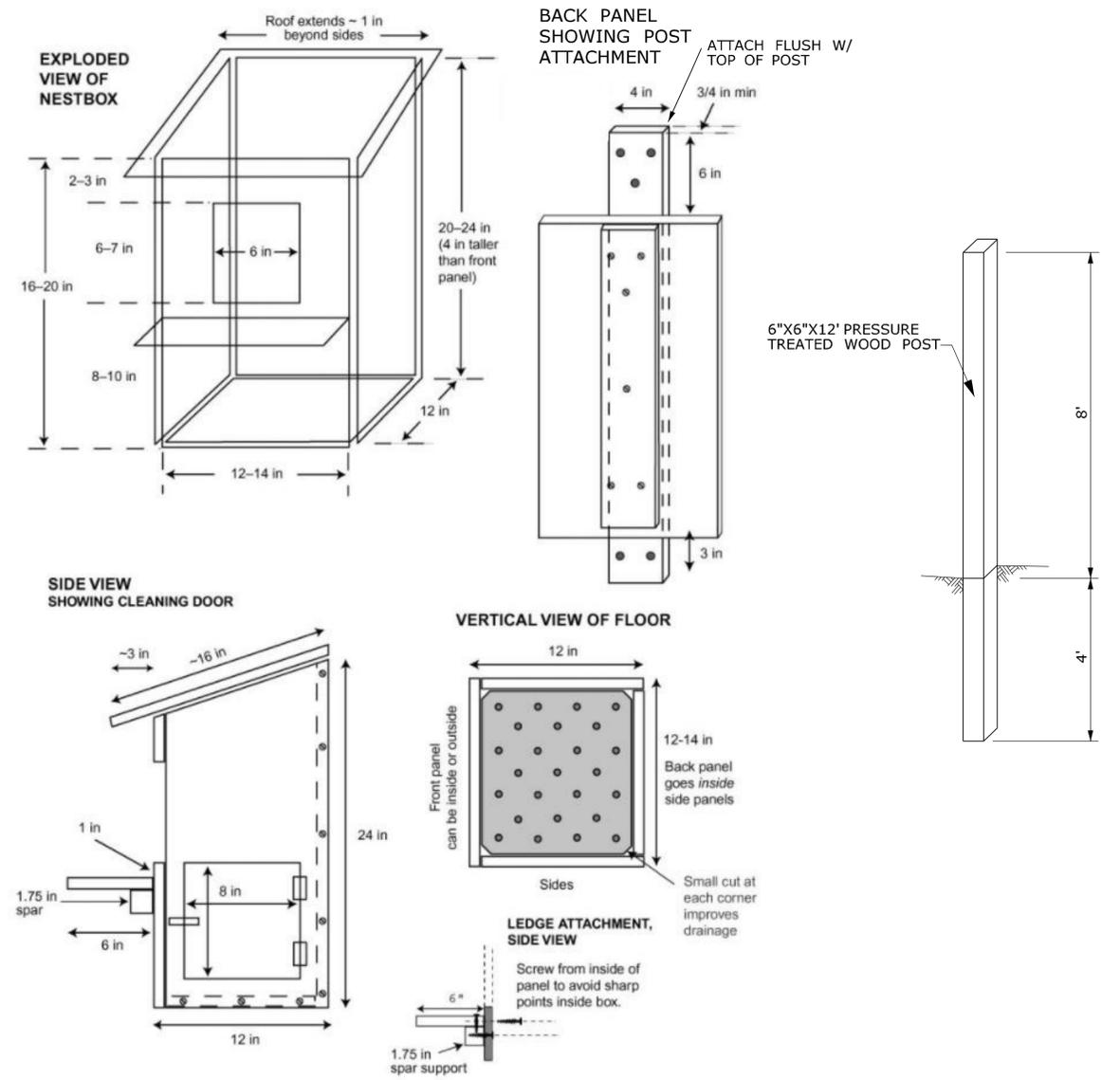
DRAWING NO.  
**MIT-23**

SHEET NO.  
**07.023**

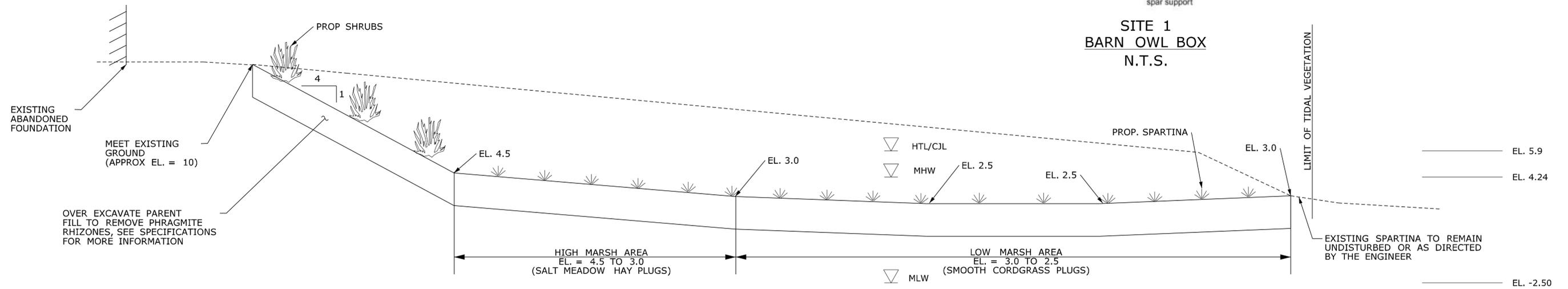


- NOTES
1. AT ALL FOUNDATION PENETRATIONS FILL OPENINGS W/ GROUTED CONCRETE MASONARY UNITS (CMU) TO MATCH TOP OF EXISTING FOUNDATION.
  2. BACKFILL FOUNDATION WITH BEDDING MATERIAL AS DIRECTED BY THE ENGINEER. BACKFILL SHALL BEGIN FOLLOWING THE REMOVAL OF INVASIVE SPECIES.

**SITE 1 C-C  
FOUNDATION MITIGATION**

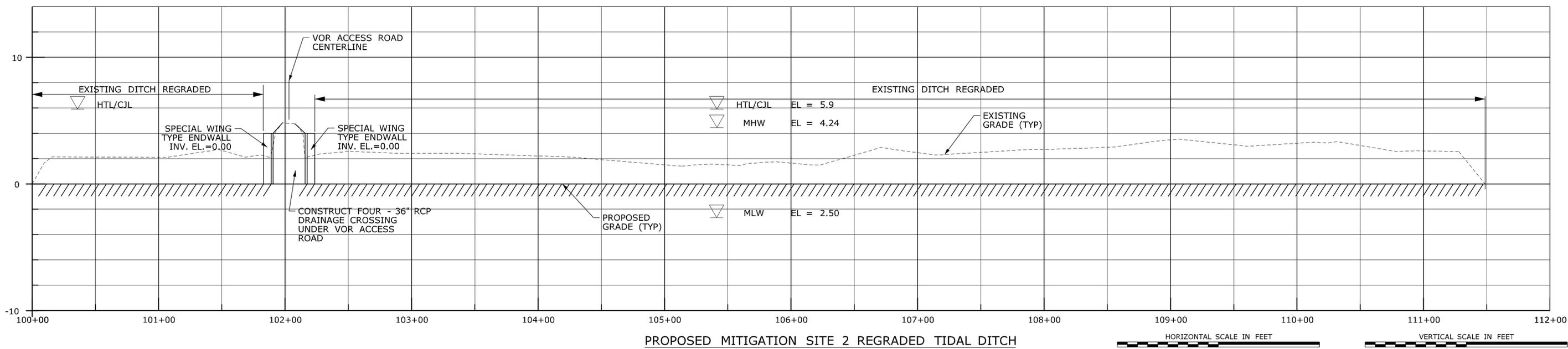
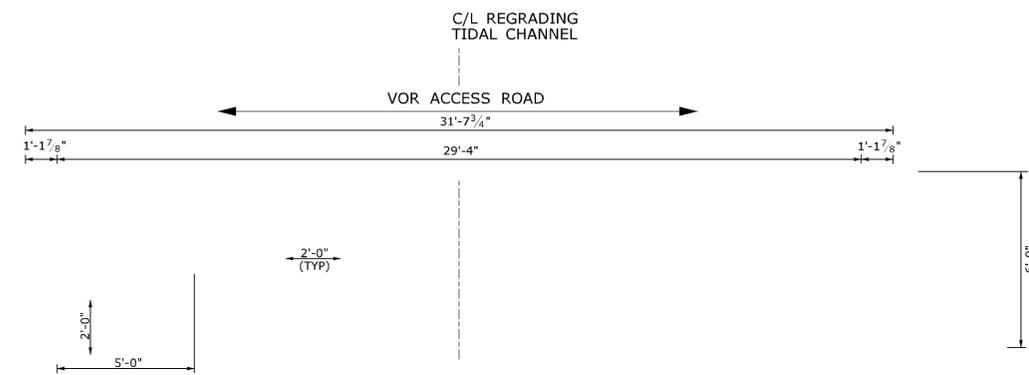
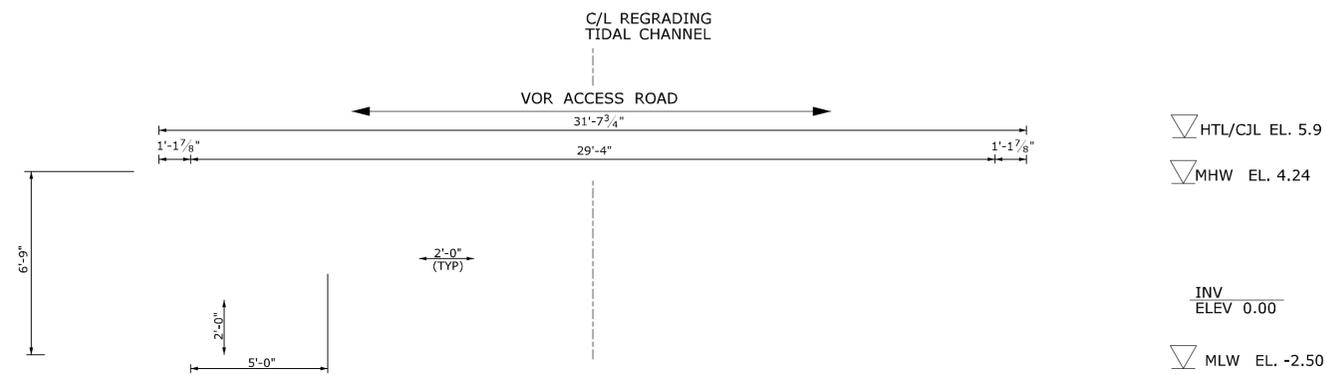
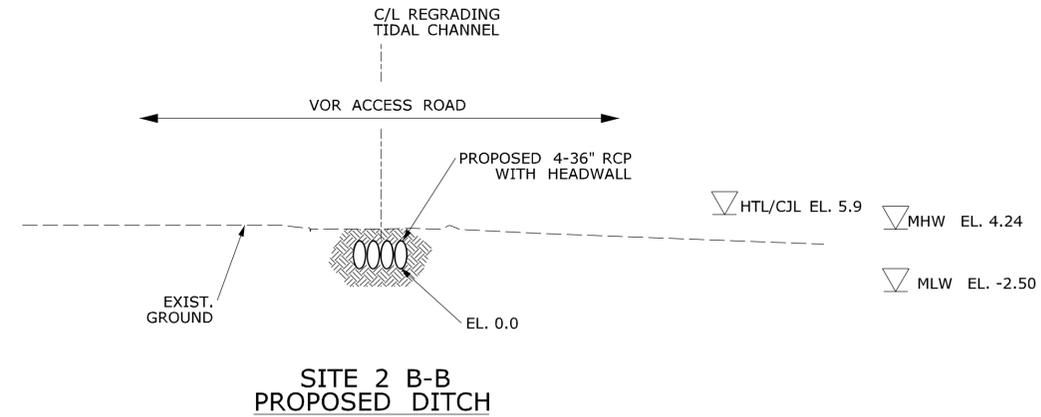
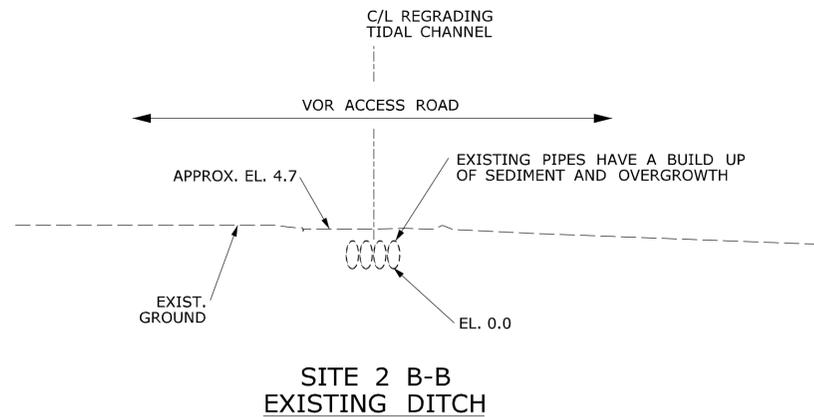
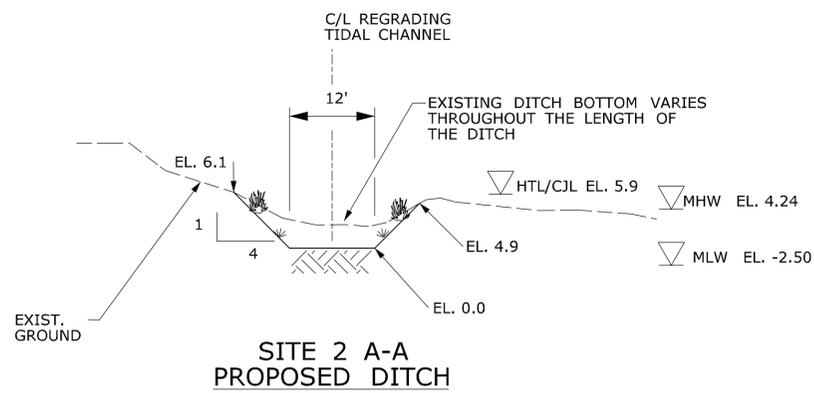


**SITE 1  
BARN OWL BOX  
N.T.S.**



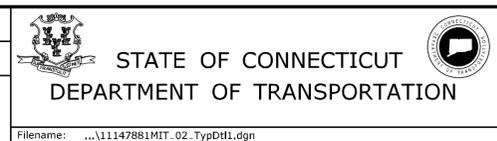
**SITE 1 D-D  
PROPOSED TIDAL RESTORATION SITE 1**

<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>CHECKED BY:</p>	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	<p>SIGNATURE/BLOCK:</p> <p>URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067</p>	<p>PROJECT TITLE:</p> <p><b>RUNWAY SAFETY AREA PROJECT IGOR. I. SIKORSKY MEMORIAL AIRPORT</b></p>	<p>TOWN:</p> <p><b>STRATFORD</b></p>	<p>PROJECT NO.:</p> <p><b>15-336</b></p>
<p>REV. DATE</p>	<p>REVISION DESCRIPTION</p>	<p>SHEET NO.</p>	<p>Plotted: 11/11/2013</p>	<p>Filename: ...11147881MIT_01_TypDtl2.dgn</p>	<p>DRAWING TITLE:</p> <p><b>TYPICAL DETAILS 2 MITIGATION SITE 1</b></p>	<p>SHEET NO.:</p> <p><b>07.024</b></p>	



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

DESIGNER/DRAFTER:  
CHECKED BY:  
SCALE AS NOTED



SIGNATURE/  
BLOCK:  
URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06867

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

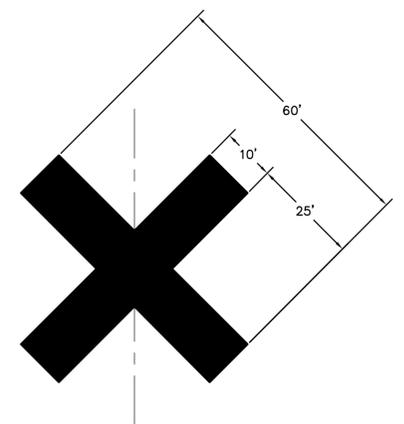
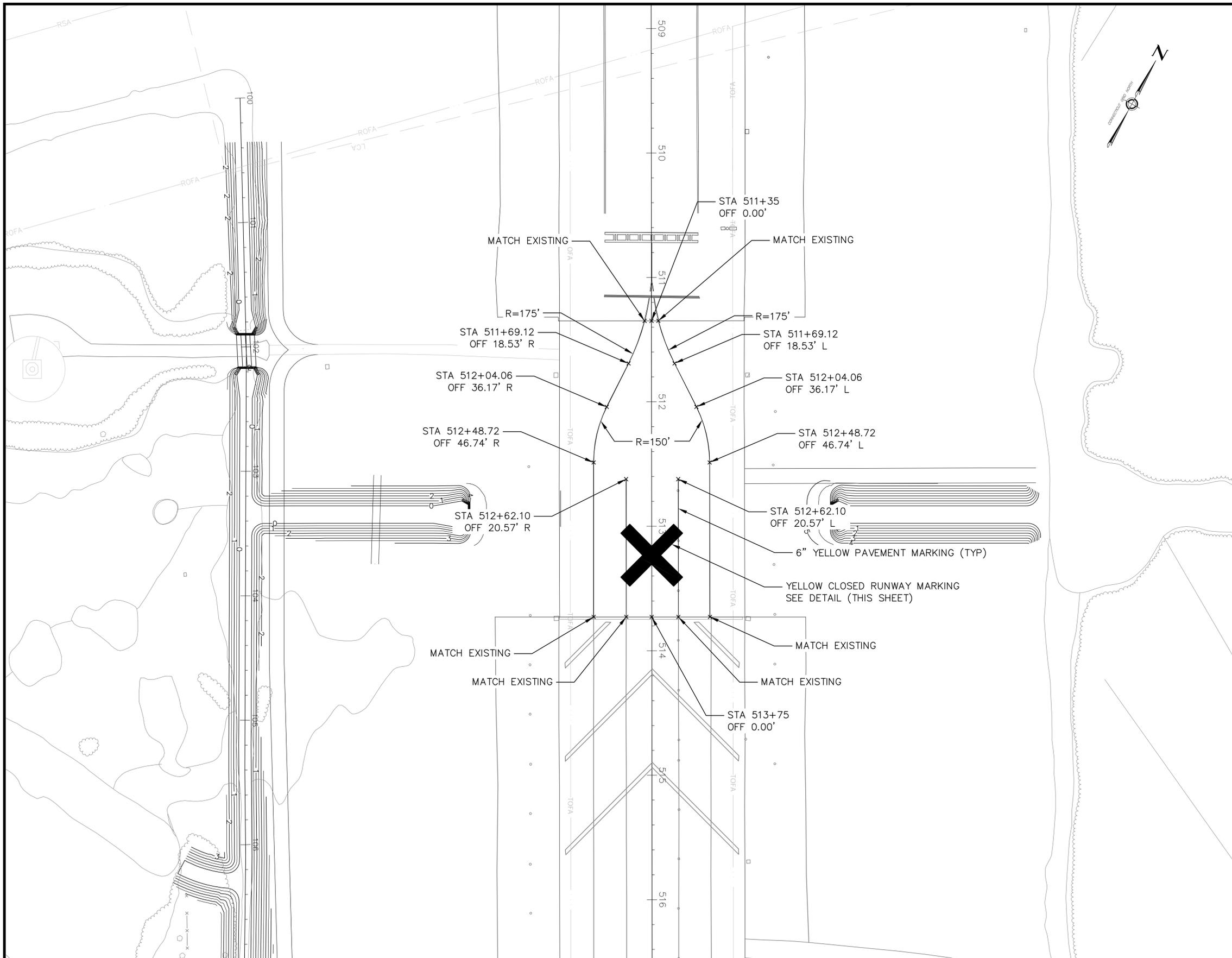
TOWN:  
**STRATFORD**

DRAWING TITLE:  
**TYPICAL DETAILS 1  
MITIGATION SITE 2**

PROJECT NO.  
**15-336**

DRAWING NO.  
**MIT-25**

SHEET NO.  
**7.025**



**YELLOW CLOSED RUNWAY MARKING**  
NOT TO SCALE

**GENERAL NOTES:**

1. MARKINGS ARE TO BE OUTLINED IN 6" OF BLACK PAINT WHEN DIRECTED BY THE ENGINEER. GLASS BEADS NOT REQUIRED IN BLACK PAINT. REFER TO AC 150/5340-1L.
2. ALL MARKINGS (WITH THE EXCEPTION OF BLACK OUTLINES) SHALL RECEIVE GLASS BEADS.
3. PERMANENT MARKING SHALL BE INSTALLED NO SOONER THAN 28 DAYS AFTER FINAL PAVING. TEMPORARY MARKINGS TO BE INSTALLED IMMEDIATELY.
4. TEMPORARY MARKINGS TO BE APPLIED AT A RATE OF 230 SF/GALLON. GLASS BEADS NOT REQUIRED.
5. TEMPORARY PAVEMENT MARKINGS TO BE PAID FOR UNDER ITEM 000062XA.
6. FINAL PAVEMENT MARKINGS TO BE PAID FOR UNDER ITEM 0000621A.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

DESIGNER/DRAFTER: D. PHAN  
 CHECKED BY: K. MCCUTCHAN  
 SCALE IN FEET  
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 SCALE 1" = 40'  
 Plotted: 12/12/2013

STATE OF CONNECTICUT  
 DEPARTMENT OF TRANSPORTATION

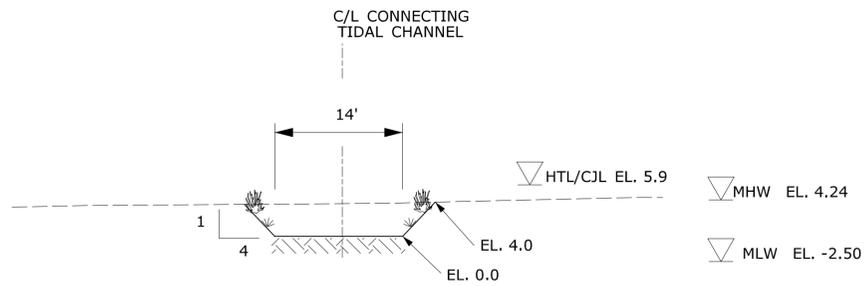
SIGNATURE/BLOCK:  

 URS CORPORATION AES  
 500 ENTERPRISE DRIVE  
 ROCKY HILL, CT 06067

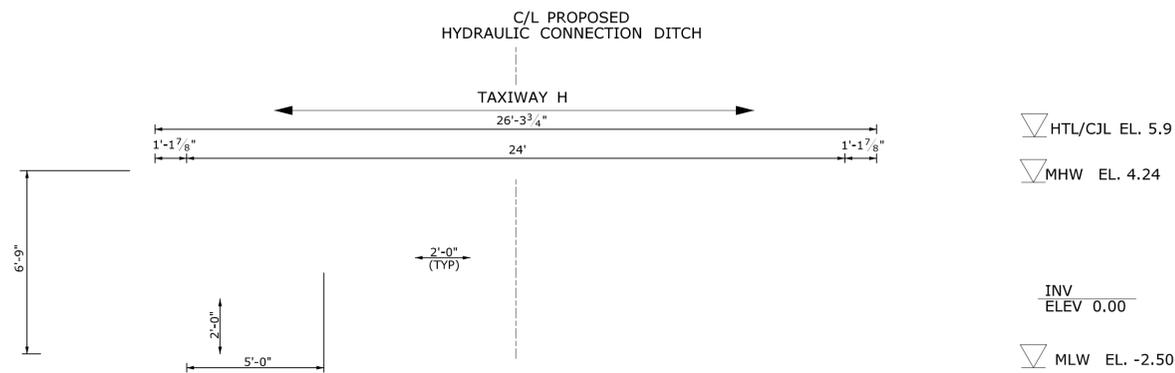
PROJECT TITLE:  
**RUNWAY SAFETY AREA PROJECT**  
**IGOR I. SIKORSKY MEMORIAL AIRPORT**

TOWN:  
 STRATFORD  
 DRAWING TITLE:  
**PAVEMENT MARKINGS**  
**TAXIWAY H**

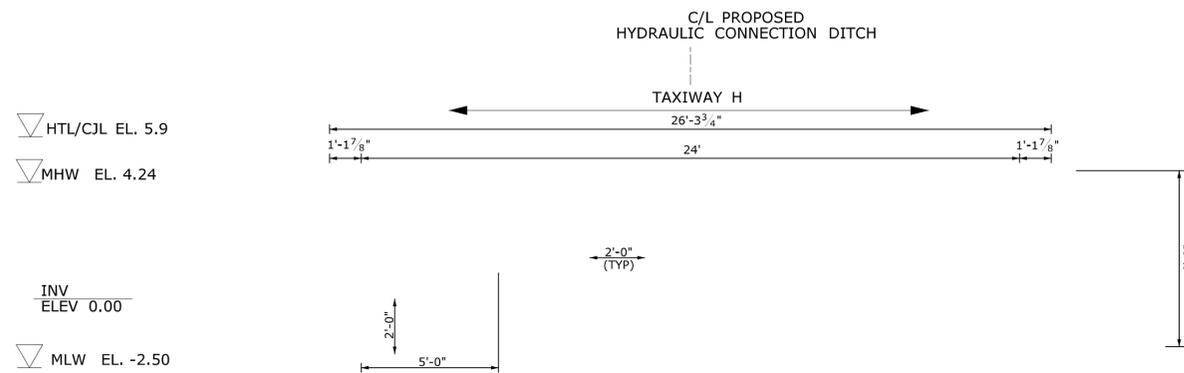
PROJECT NO.  
 15-336  
 DRAWING NO.  
**MIT-26**  
 SHEET NO.  
 7.026



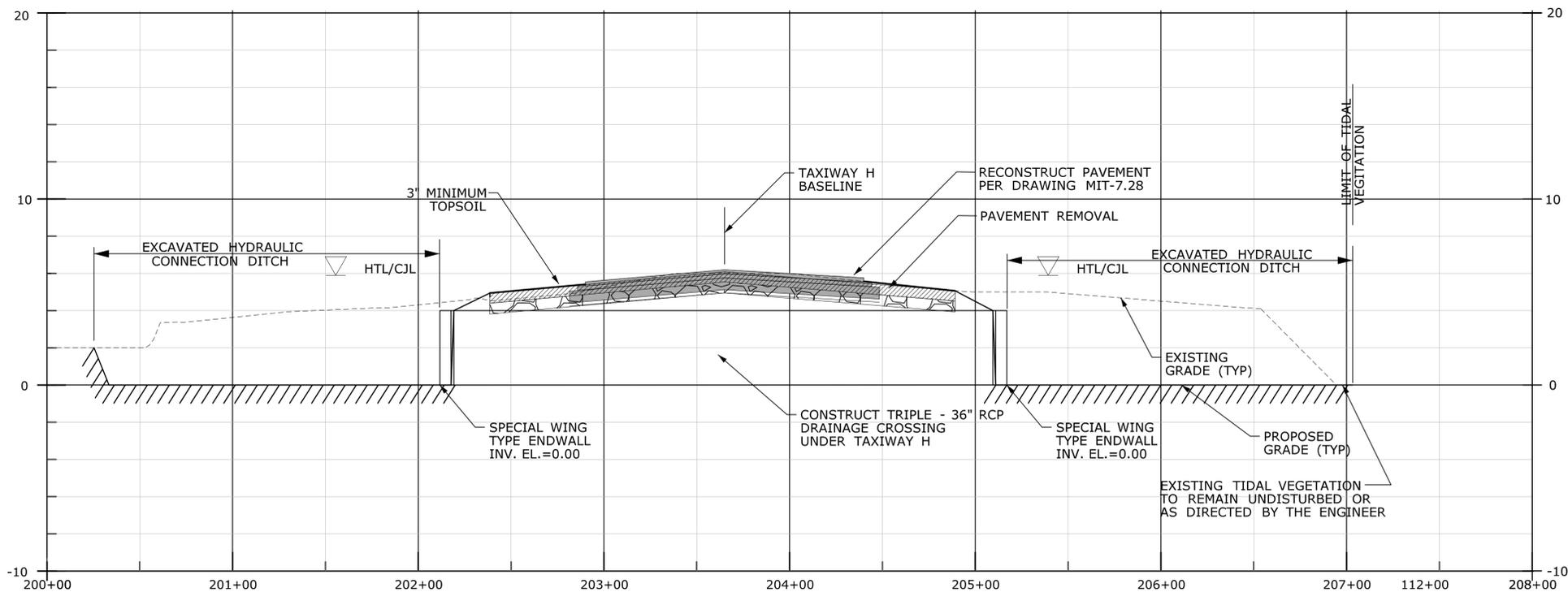
SITE 2 C-C & D-D  
TYPICAL HYDRAULIC CONNECTION DITCH



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: ...11147881MIT.02\_TypDH2.dgn

SIGNATURE/  
BLOCK:

URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06867

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

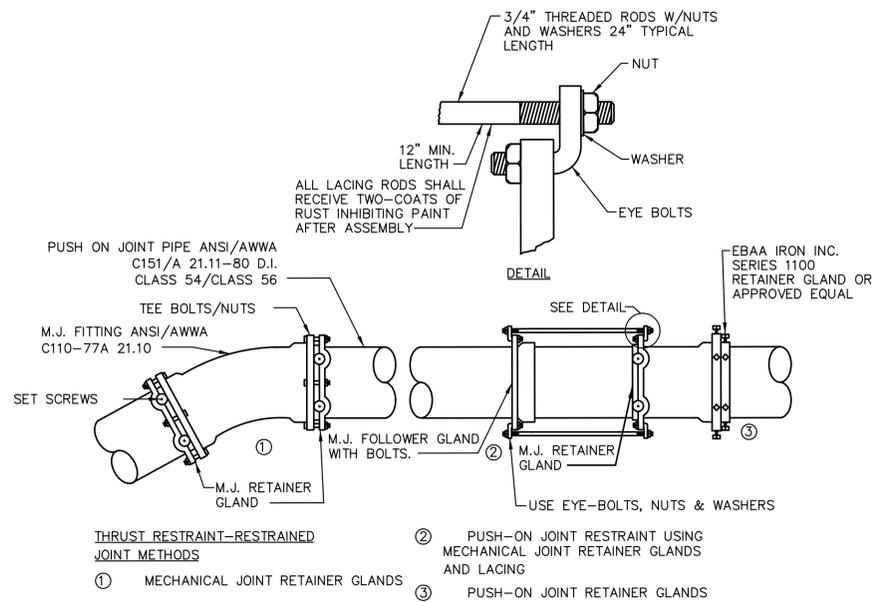
TOWN:  
STRATFORD

DRAWING TITLE:  
TYPICAL DETAILS 2  
MITIGATION SITE 2

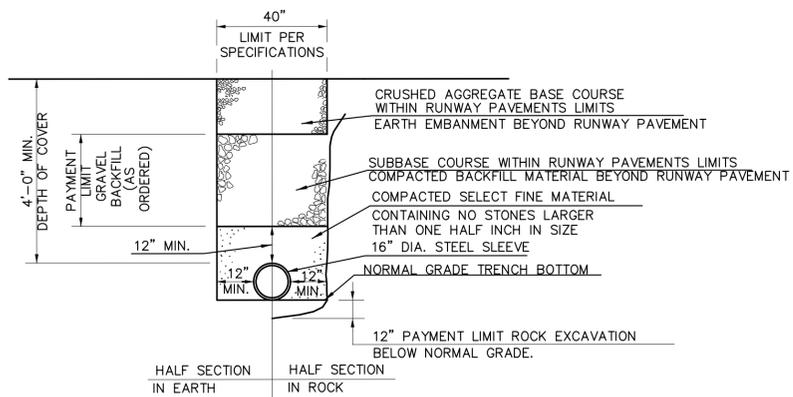
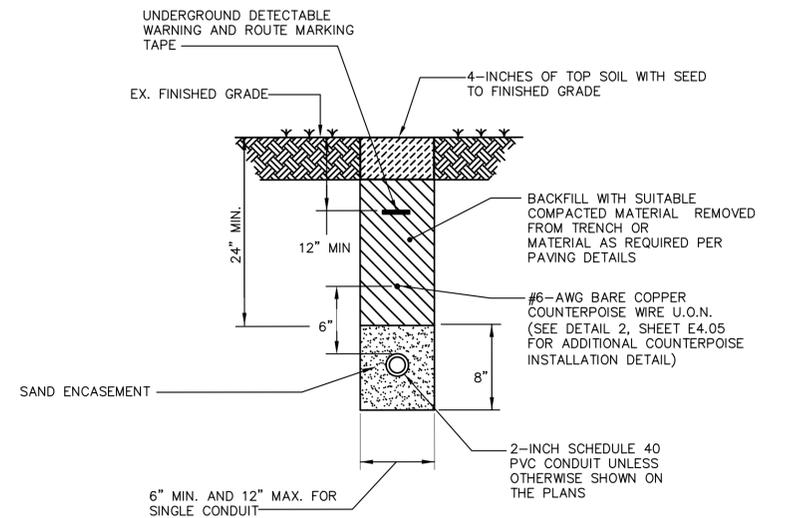
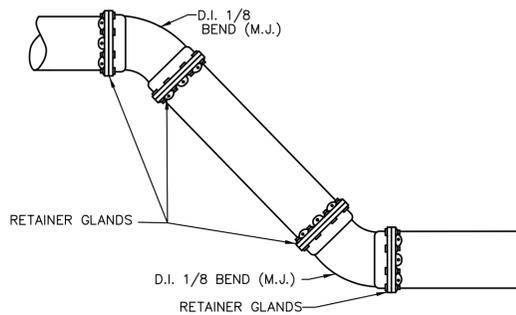
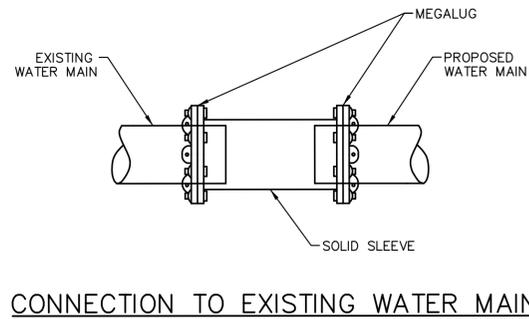
PROJECT NO.  
15-336

DRAWING NO.  
MIT-27

SHEET NO.  
7.027

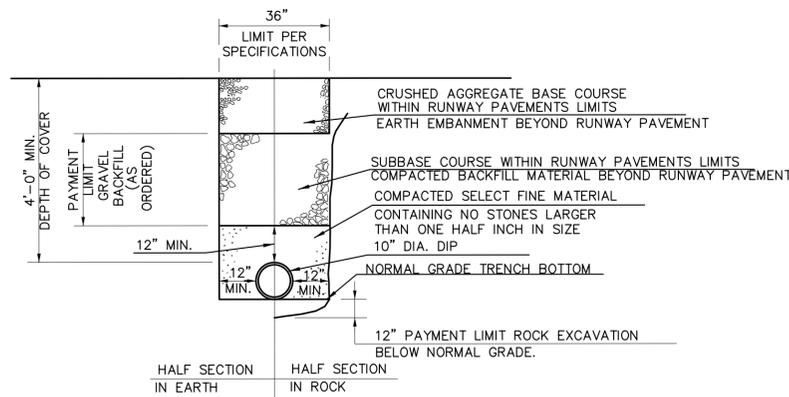


TYPICAL RESTRAINED JOINTS  
SCALE: NTS



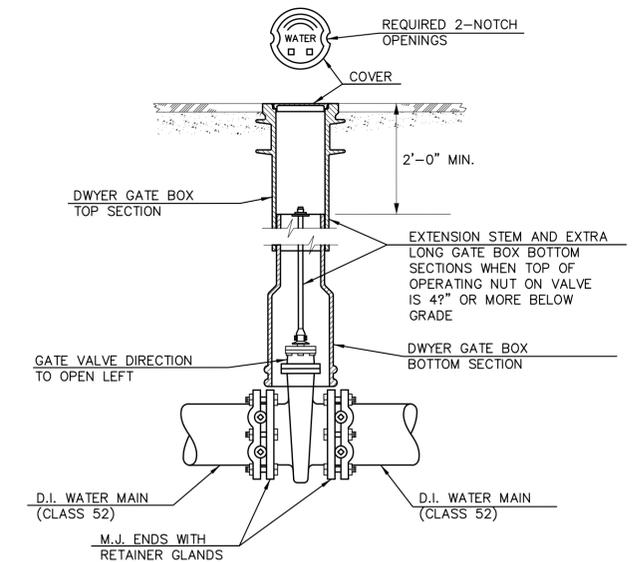
NOTES:  
1. WARNING TAPE TO BE INSTALLED A MIN. OF 12" ABOVE PIPE LINE.  
2. PIPE TRENCHES FOR SLEEVE ABOVE 12" DIA. WILL EXCEED 5 FT. TOTAL DEPTH. ADDITIONAL DEPTH TO MAINTAIN COVER WILL BE PAID FOR PER THE SPECIFICATIONS.

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



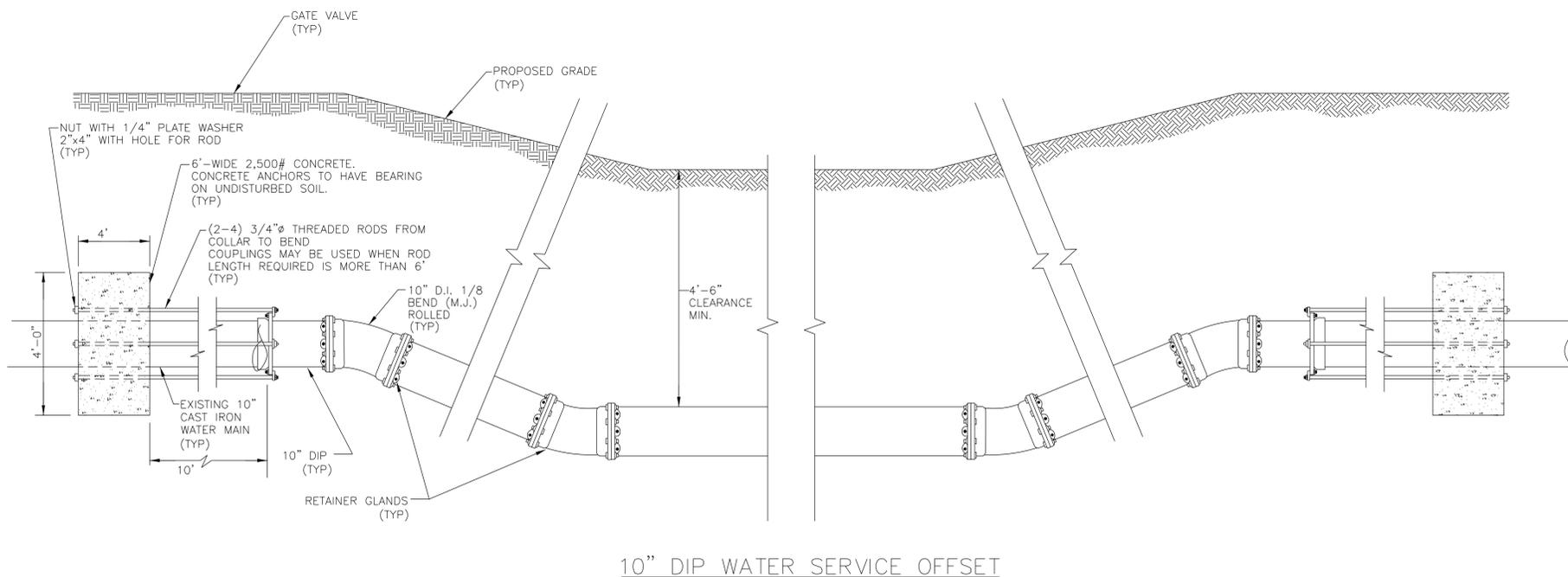
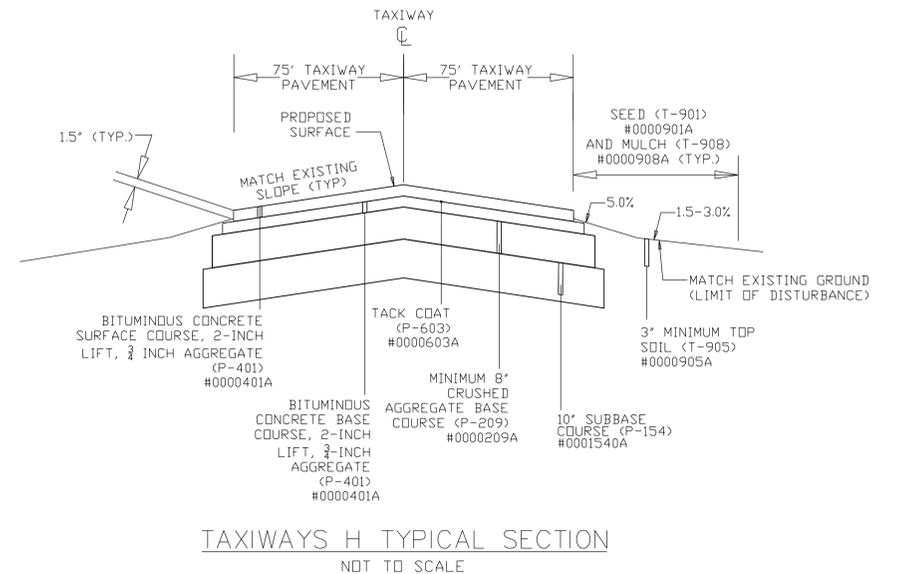
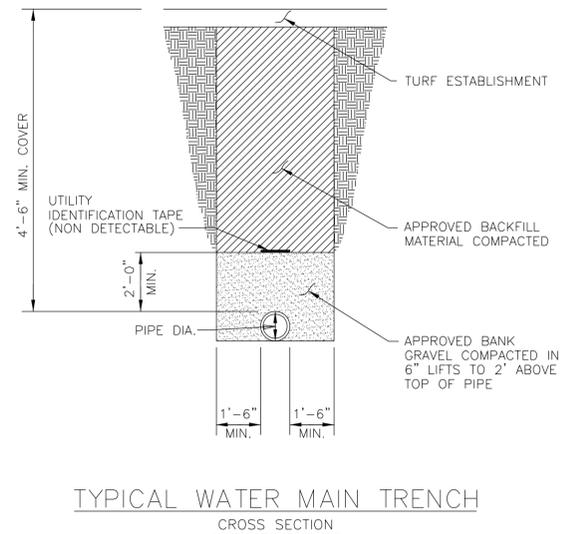
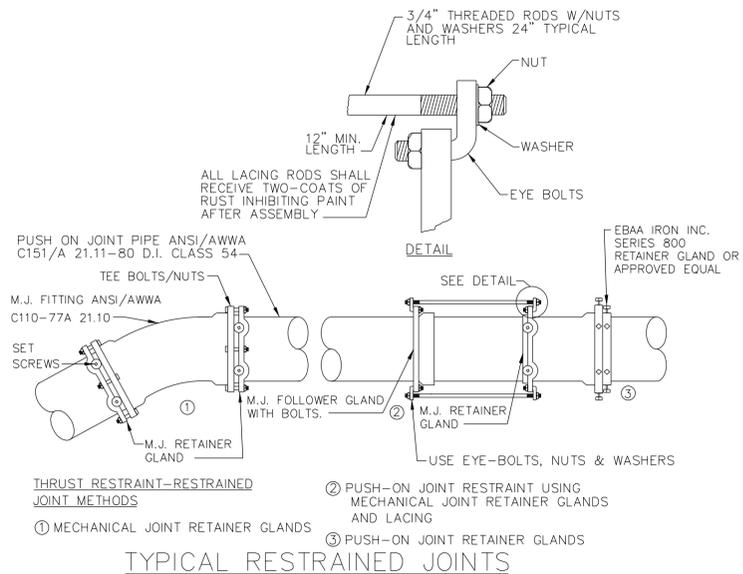
NOTES:  
1. WARNING TAPE TO BE INSTALLED A MIN. OF 12" ABOVE PIPE LINE.

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



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

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 12/12/2013	DESIGNER/DRAFTER:	CHECKED BY:	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	<p>SIGNATURE/ BLOCK:</p>	PROJECT TITLE:	TOWN:	PROJECT NO.:
									RUNWAY SAFETY AREA PROJECT IGOR. I. SIKORSKY MEMORIAL AIRPORT	STRATFORD	15-336
											DRAWING NO.:
											MIT-28
											SHEET NO.:
											7.028
											DRAWING TITLE:
											TYPICAL DETAILS 3 MITIGATION SITE 2



**NOTES:**

- AFTER PLACING APPROXIMATELY 2 FEET OF BACKFILL MATERIAL OVER ALL UTILITY PIPING, THE CONTRACTOR SHALL PLACE A 6" WIDE STRIP OF DURABLE, COLOR CODED (BLUE FOR WATER) UNDERGROUND UTILITY IDENTIFICATION TAPE IMPRINTED WITH AN APPROPRIATE WARNING INDICATING THE PRESENCE OF THE BURIED UTILITY.
- ALL JOINTS SHALL BE RESTRAINED WITH RETAINER GLANDS (MEGALUG SERIES 1100, MANUFACTURED BY EBAA IRON SALES, INC. OR AQUARIUM WATER COMPANY APPROVED EQUIVALENT).
- ALL FITTINGS SHALL BE MECHANICAL JOINT WITH RETAINER GLANDS IN EACH DIRECTION. ALL FOLLOWER GLANDS SHALL BE REPLACED WITH RETAINER GLANDS.
- INSTALLATION OF DUCTILE IRON PIPE, FITTINGS, BLOW-OFFS, PIPE SUPPORTS AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE AQUARIUM WATER COMPANY STANDARDS.
- THE WATER MAIN SHALL BE DUCTILE IRON PIPE CLASS 52, LINED WITH DOUBLE THICKNESS CEMENT MORTAR, IN ACCORDANCE WITH ANSI/AWWA C151/A21.51-81, AND SPECIFICATIONS INCLUDED IN THIS CONTRACT.
- ANY DEFLECTION OF THE WATER MAIN SHALL BE MADE ACCORDING TO THE RECOMMENDATIONS CONTAINED WITHIN DUCTILE IRON PIPE RESEARCH ASSOCIATION STANDARDS.
- MINIMUM DEPTH OF COVER OVER PROPOSED WATER MAIN SHALL BE 4.5 FEET.
- ALL INSTALLED WATER MAIN SHALL BE TESTED ACCORDING TO THE REQUIREMENTS OF THE AQUARIUM WATER COMPANY. TEST PRESSURE FOR THE WATER MAIN IS 200 PSI.
- CITY WATER SHALL BE INSTALLED ACCORDING TO THE LATEST AQUARIUM WATER COMPANY RULES, REGULATIONS AND SPECIFICATIONS.

**ANTICIPATED SEQUENCE OF CONSTRUCTION:**

- THE CONTRACTOR SHALL COORDINATE THE SCHEDULE FOR THE WATER SERVICE OFFSET WITH THE OWNER'S REPRESENTATIVE. THIS WATER SERVICE IS THE SOLE WATER AND FIRE PROTECTION SERVICE TO THE AIRPORT FACILITIES OFF OF LORDSHIP BLVD. THIS SERVICE SHALL NOT BE DISRUPTED WITHOUT PRIOR PERMISSION FROM THE FIRE MARSHALL AND OWNER. THE CONTRACTOR SHALL COORDINATE THIS WORK AT LEAST ONE WEEK IN ADVANCE OF THE SHUT DOWN.
- THE CONTRACTOR SHALL LOCATE AND OPERATE THE NEAREST VALVE ON EITHER SIDE OF THE OFFSET TO CONFIRM IF EACH IS OPERATING PROPERLY.
- THE CONTRACTOR SHALL HAVE ALL NECESSARY EQUIPMENT AND MATERIALS ON SITE, TO INSTALL AND TEST THE OFFSET, PRIOR TO BEGINNING THE WORK.
- TO MINIMIZE THE DURATION OF THE WATER AND FIRE PROTECTION SHUT DOWN, THE CONTRACTOR SHALL INSTALL THE OFFSET BEYOND THE EXISTING SERVICE TO THE MAXIMUM EXTENT POSSIBLE. BACKFILL THE TRENCH, THEN HYDROSTATIC TEST AND DISINFECT THE OFFSET FOR ACCEPTANCE.
- THE CONTRACTOR SHALL THEN SCHEDULE, WITH THE OWNER'S REPRESENTATIVE, THE SHORT TERM SHUT DOWN TO PERFORM THE TIE-INS AT EACH END.
- AT THE OWNER APPROVED SHUT DOWN TIME, THE CONTRACTOR SHALL CLOSE THE VALVES, CUT IN AND MAKE THE CONNECTIONS AT EACH END TO COMPLETE THE WATER MAIN OFFSET, AND REOPEN THE VALVES TO REINSTATE THE WATER AND FIRE PROTECTION SERVICE.
- THE CONTRACTOR SHALL THEN COMPLETE BACKFILLING AND RESTORATION OPERATIONS.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

DESIGNER/DRAFTER:  
CHECKED BY:

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

SIGNATURE/BLOCK:

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

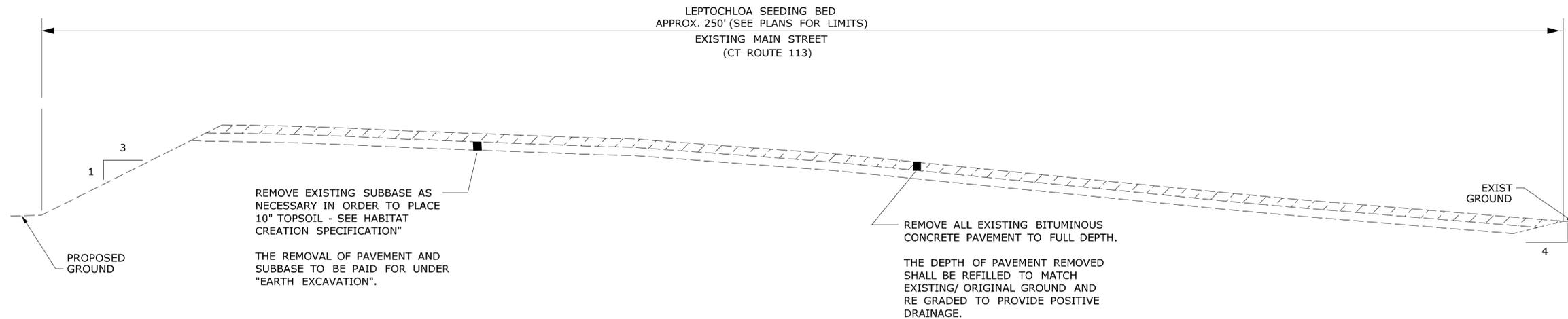
TOWN:  
**STRATFORD**

DRAWING TITLE:  
**TYPICAL DETAILS 4  
MITIGATION SITE 2**

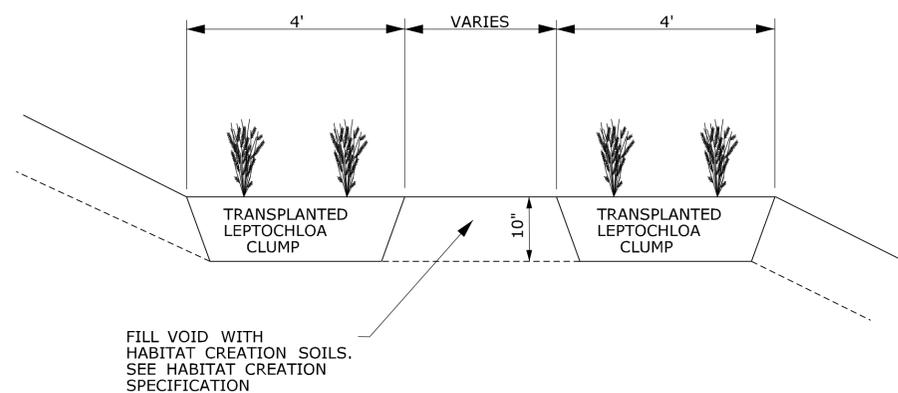
PROJECT NO.  
**15-336**

DRAWING NO.  
**MIT-29**

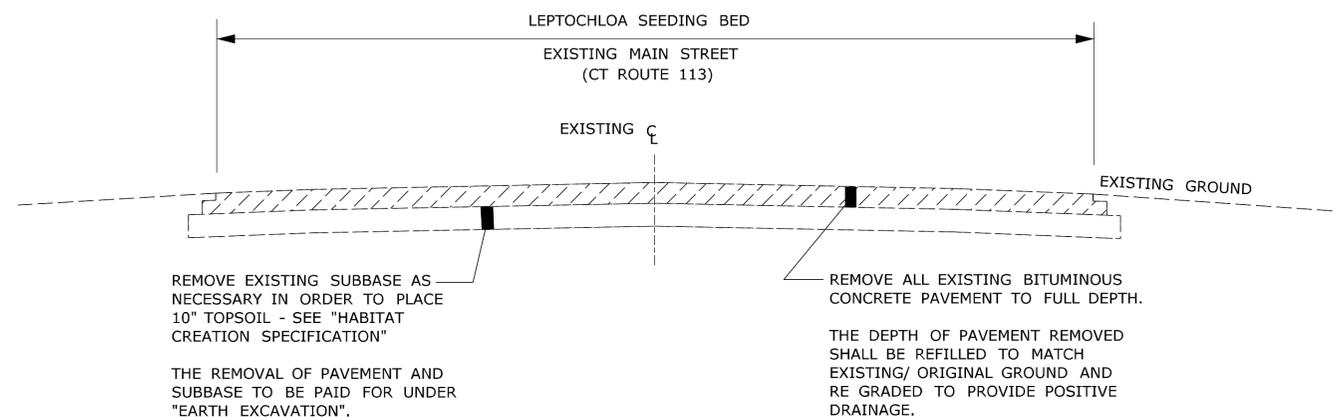
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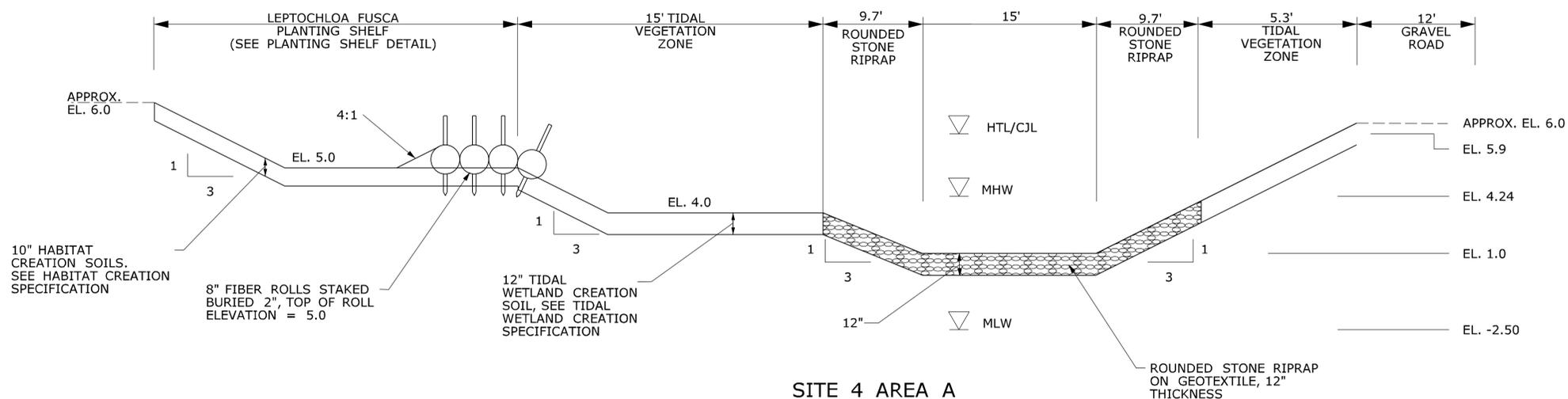
SITE 4 AREA B  
PAVEMENT REMOVAL SECTION B-B



PLANTING SHELF DETAIL

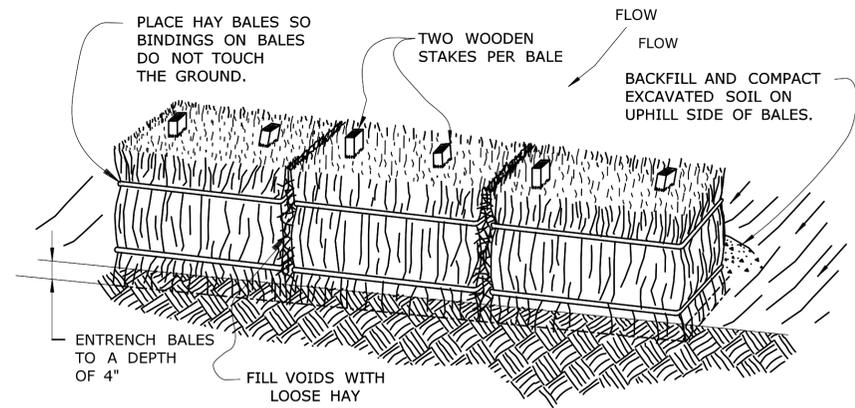


SITE 4 AREA B  
PAVEMENT REMOVAL SECTION C-C



SITE 4 AREA A  
TYPICAL CHANNEL SECTION A-A

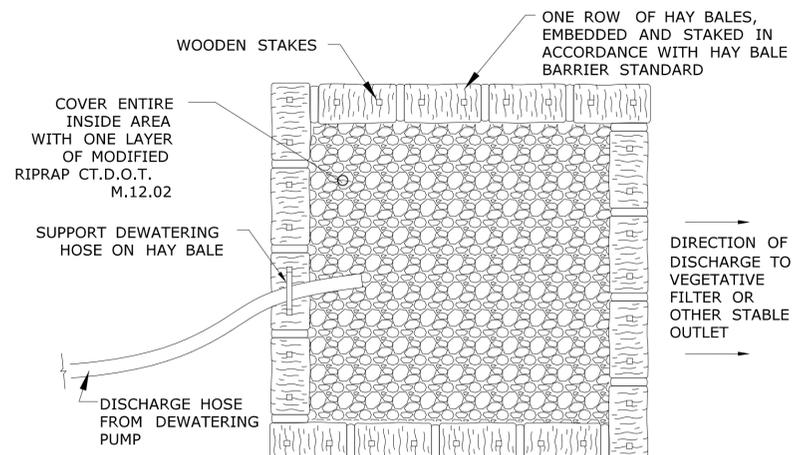
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			DESIGNER/DRAFTER: CHECKED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067	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: 12/12/2013 Filename: ...11147881MIT_04_TypDtl.dgn	DRAWING TITLE: <b>TYPICAL DETAILS          MITIGATION SITE 4</b>	SHEET NO. <b>7.030</b>					



NOTES:

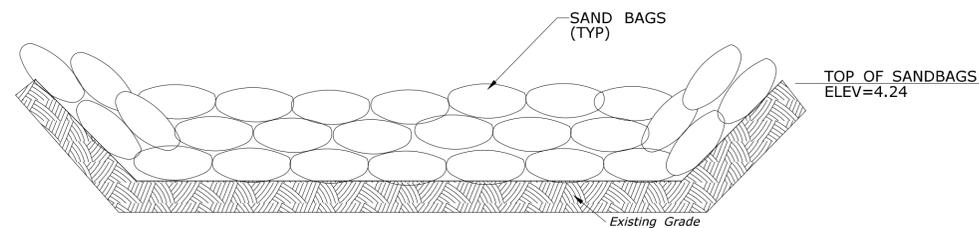
- HAY BALES SHALL NOT BE USED IN A WATERCOURSE.
- HAY BALES SHALL BE ENTRENCHED 4" AND TIGHTLY BUTTED TOGETHER. REMOVE HEAVY BRUSH AND FILL ALL VOIDS WITH LOOSE HAY.
- WOOD STAKES SHALL HAVE A MINIMUM CROSS-SECTION SIZE OF AT LEAST 1" x 1" AND A MINIMUM LENGTH OF 4'.
- CLEAN OUT ACCUMULATED SEDIMENT 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.
- NOT TO BE USED IN THE VICINITY OF URBAN AND RESIDENTIAL AREAS.

HAY BALE SYSTEM

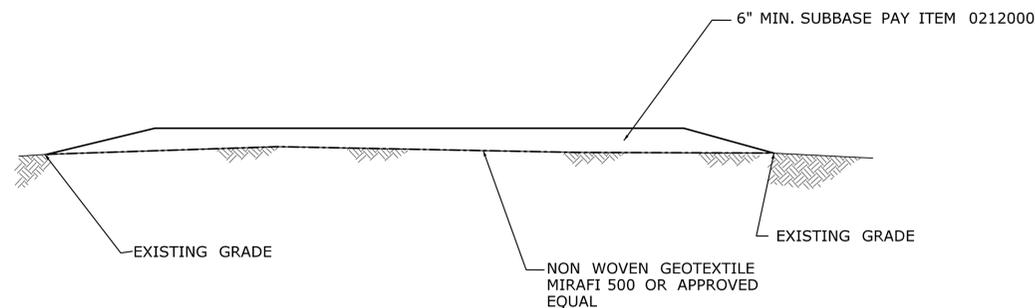


- INSTALL HAYBALES ACCORDING TO HAYBALE SYSTEM DETAIL.
- SIZE OF BASIN SHALL BE DETERMINED BY THE FOLLOWING:  
STORAGE (CUBIC FEET) = PUMP DISCHARGE (GPM) x 16
- MINIMUM INSPECTION RATE SHALL BE EVERY TWO HOURS DURING CONTINUOUS OPERATION. REMOVE ACCUMULATED SEDIMENTS WHEN EQUAL TO ONE HALF OF THE REQUIRED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

TYPE 1 PUMPING SETTLING BASIN



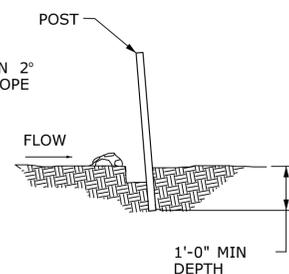
TEMPORARY DIVERSION SAND BAGS



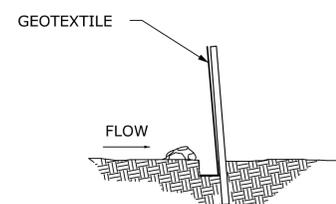
TYPICAL HAUL ROUTE CROSS SECTION (ON-SITE AND CONTINGENCY)

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

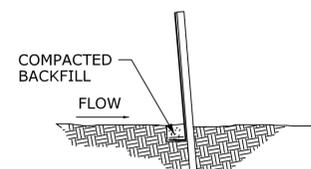
ANGLE MUST BE MORE THAN 2° AND LESS THAN 20° UPSLOPE FOR STABILITY AND SELF CLEANING.



- ATTACH GEOTEXTILE TO THE POST AND EXTEND IT TO THE BOTTOM OF TRENCH.



- BACKFILL THE TRENCH AND COMPACT THE EXCAVATED SOIL.



SILT FENCE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/17/2013

DESIGNER/DRAFTER:  
B.ANNU

CHECKED BY:  
F.WALSH

NOT TO SCALE

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

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

SIGNATURE/  
BLOCK:

URS CORPORATION AES  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

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-31

SHEET NO.  
07.031