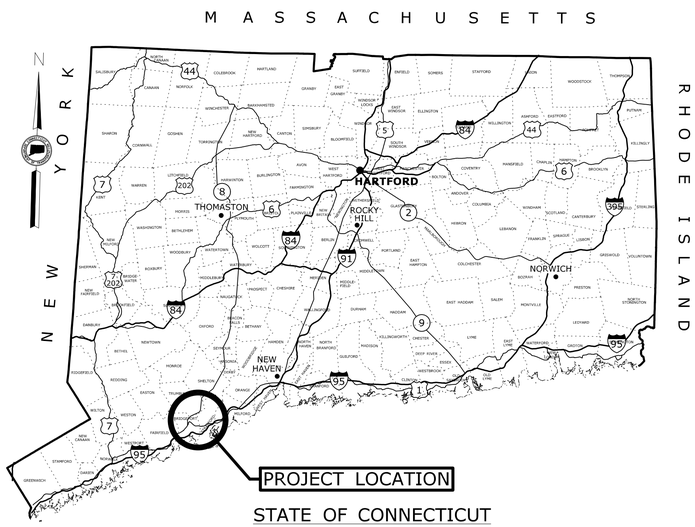
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
AIP 3-09-0002-28

Town of

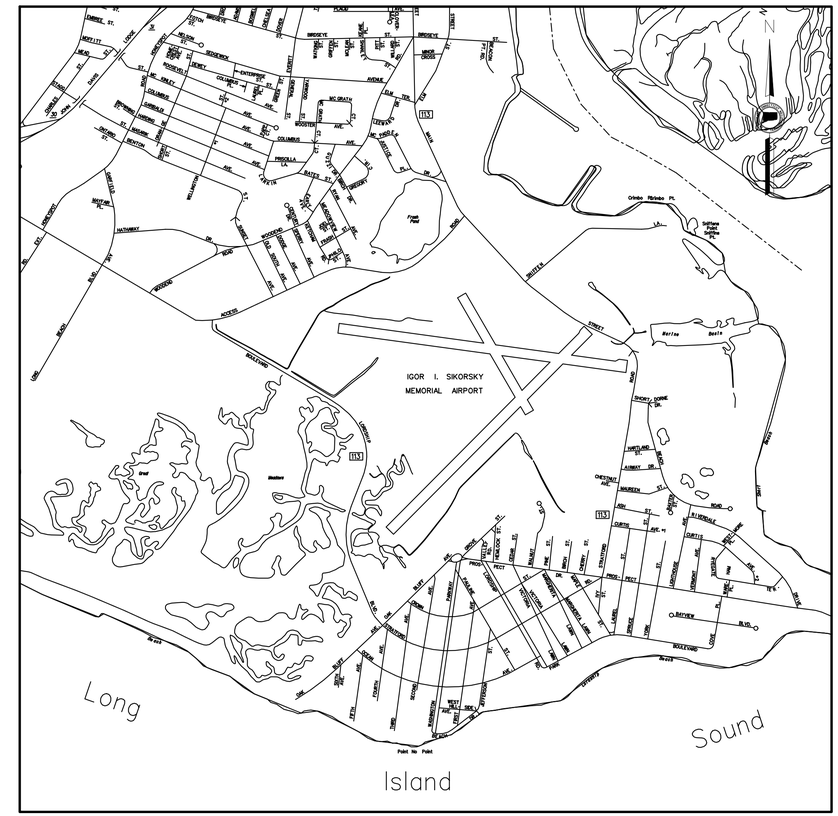
STRATFORD



STATE OF CONNECTICUT

ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
ROUTE 113	STATE	2,150 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
	STATE	015-336



LOCATION PLAN
NOT TO SCALE

GENERAL NOTES:

1. FEDERAL AID PROJECT NO.
2. F.H.W.A. REGION NO. 1
3. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, dated 2004; Supplemental Specifications, dated January 2013; and Special Provisions
4. BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983
5. VERTICAL DATUM BASED ON NGVD OF 1929
6. CT ROUTE 113 DESIGN SPEED = 40 MPH

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICAL SOURCES WITHIN THE DEPARTMENT.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS ARE NOT AUTHORIZED BY THE DEPARTMENT TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

LIST OF VOLUMES

VOLUME NO.	VOLUME TITLE	*VOLUME SHEET COUNT
01	GENERAL PLANS	7
02	HIGHWAY	107
03	CONSTRUCTION SAFETY AND PHASING	14
04	EMAS	25
05	UTILITIES	23
06	SOIL MANAGEMENT	7
07	MITIGATION PLANS	31
08	RAYMARK WASTE DISPOSAL PLANS	16
09	CONNDOT STANDARD SHEETS	36

*THE INITIAL VOLUME SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS

DESIGNED BY:

URS
URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

STATE OF CONNECTICUT
RONALD G. SACCHI
No. 16589
LICENSED
PROFESSIONAL ENGINEER

Ronald Sacchi
2014.02.04
16:47:06
-05'00'

FINAL DESIGN PLANS

LIST OF DRAWINGS
VOLUME 01 - GENERAL

DRAWING TITLE	DRAWING NO.
TITLE SHEET	TSH-1.01
LIST OF REVISIONS	REV-1.01
GENERAL PROJECT LAYOUT	GPL-1.01
DETAILED ESTIMATE SHEETS	EST-1.01 THRU EST-1.04

STANDARD CONVENTIONS

North Arrow W/No. Coor.
Grid Arrow
Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Limit Of Marsh
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Water Edge
Stream
Ditch
TOWN LINE
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall
Highway Line
Street Line
Property Line
Lot Line
Easement Line

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

SUBMITTED BY: TRANSPORTATION PRINCIPAL ENGINEER -

APPROVAL RECOMMENDED BY: MANAGER OF -

APPROVED BY: TRANSPORTATION ENGINEERING ADMINISTRATOR - JAMES H. NORMAN P.E.

Plans For
RUNWAY SAFETY AREA PROJECT
IGOR. I. SIKORSKY MEMORIAL AIRPORT

Town of
STRATFORD

STATE PROJECT NO.
15-336

DRAWING NO.
TSH-1.01

SHEET NO.
01.001

REV. No.	SHEET No.	DATE dd/mm/yy	NEW	REV.	DEL.	DESCRIPTION	BY	REV. No.	SHEET No.	DATE mm/dd/yy	NEW	REV.	DEL.	DESCRIPTION	BY	REV. No.	SHEET No.	DATE mm/dd/yy	NEW	REV.	DEL.	DESCRIPTION	BY

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.

Plotted Date: 10/7/2011

DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\New_Revision_Sheet.dgn

SIGNATURE BLOCK:

PROJECT TITLE:

RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT

TOWN: STRATFORD

DRAWING TITLE:

LIST OF REVISIONS

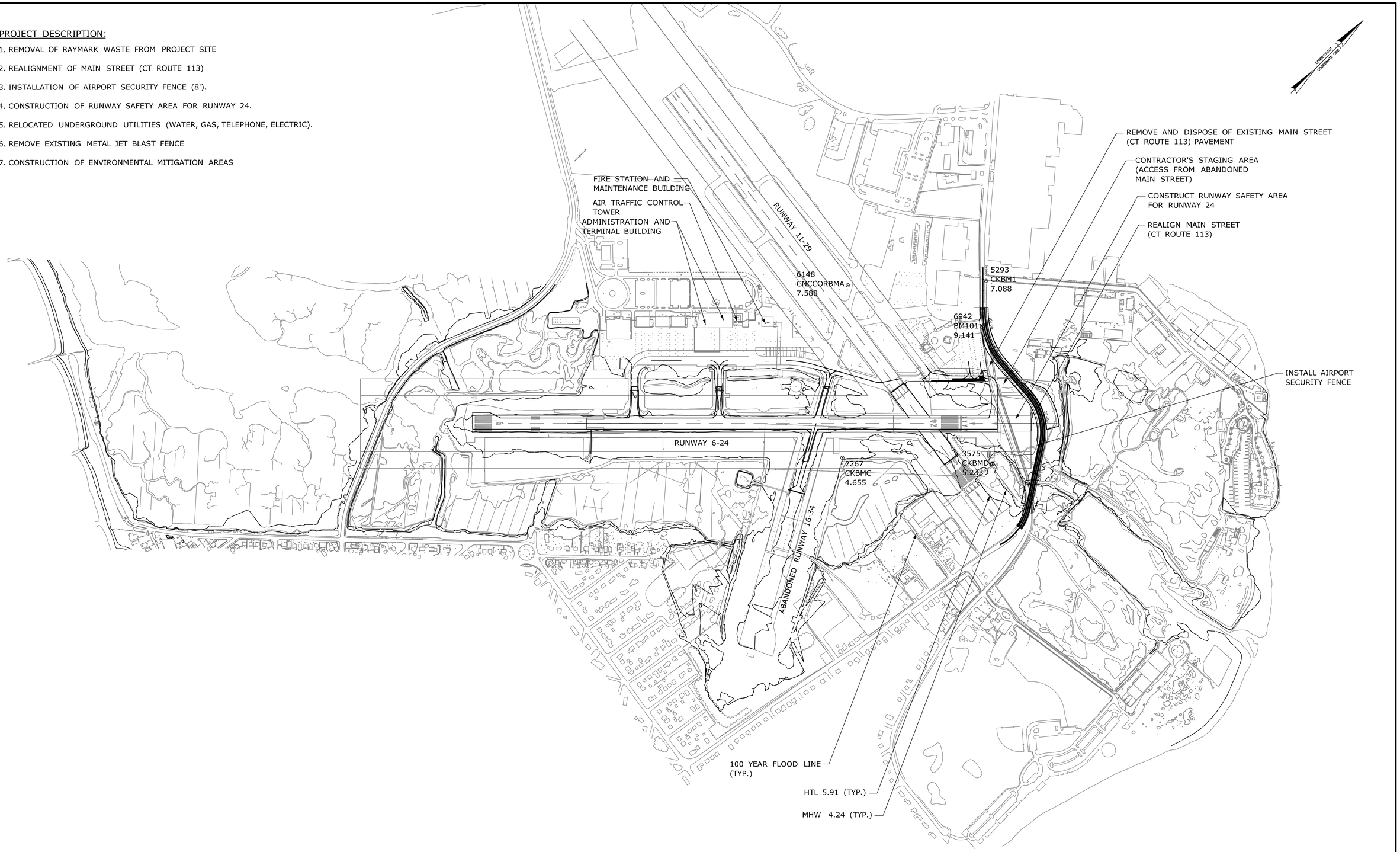
PROJECT NO. 15-336

DRAWING NO. REV-01

SHEET NO. 01.002

PROJECT DESCRIPTION:

1. REMOVAL OF RAYMARK WASTE FROM PROJECT SITE
2. REALIGNMENT OF MAIN STREET (CT ROUTE 113)
3. INSTALLATION OF AIRPORT SECURITY FENCE (8').
4. CONSTRUCTION OF RUNWAY SAFETY AREA FOR RUNWAY 24.
5. RELOCATED UNDERGROUND UTILITIES (WATER, GAS, TELEPHONE, ELECTRIC).
6. REMOVE EXISTING METAL JET BLAST FENCE
7. CONSTRUCTION OF ENVIRONMENTAL MITIGATION AREAS



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 11/11/2013

DESIGNER/DRAFTER: S. HARLEY

CHECKED BY: S. MITCHELL

SCALE IN FEET 0 400 800

SCALE 1"=400'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_015-336_GPL-01.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT · RONALD G. SCOTT · No. 18589 · LICENSED PROFESSIONAL ENGINEER

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 PROJECT LAYOUT

PROJECT NO. 15-336

DRAWING NO. GPL-1.01

SHEET NO. 01.003

Border Version: 10/19/07

ROADWAY ITEMS

ITEM NUMBER	0000099A	0000109A	0000542A	0001086A	0101117A	0201001	0202100	0202200	0202401	0202451	0202502	0202522	0202529	0202640A	0204001A	0204503A	0205001	0205003	0205004	0205088A	0207000	0209001	0210100	0210386A	0212000	0213100	0216011	0219001	0219011A	0304002	0406170	0406172	0406236	0406247A	0506001	0507001	0507153	0507222	0507598	0507602A	0507654A	0651001	0651051A
ITEM	REMOVE OBSTRUCTION LIGHTS	2" SCHEDULE 40 PVC CONDUIT	L-810 DOUBLE OBSTRUCTION LIGHT	1/C BARE NO. 6 COUNTERPOISE IN TRENCH	CONTROLLED MATERIALS HANDLING	CLEARING AND GRUBBING	ROCK EXCAVATION	CHANNEL EXCAVATION - EARTH	UNCLASSIFIED EXCAVATION	TEST OIT EXCAVATION	REMOVAL OF CONCRETE PAVEMENT	REMOVAL OF BITUMINOUS TYPE PAVEMENT	CUT BITUMINOUS CONCRETE PAVEMENT	2" MONITORING WELL ABANDONMENT	COFFERDAM AND DEWATERING	DEWATERING	TRENCH EXCAVATION 0-4' DEEP	TRENCH EXCAVATION 0-10' DEEP	ROCK IN TRENCH EXCAVATION 0-10' DEEP	EXCAVATION FOR UTILITY REMOVAL	BORROW	FORMATION OF SUBGRADE	ANTI-TRACKING PAD	TURBIDITY CONTROL CURTAINS	SUBBASE	GRANULAR FILL	FLOWABLE FILL	SEDIMENTATION CONTROL SYSTEM	SEDIMENTATION CONTROL AT CATCH BASIN	PROCESSED AGGREGATE BASE	HMA S1	HMA S0.375	MATERIAL FOR TACK COAT	MILLING OF HMA (0'-4")	CONCRETE FOR STEPS AND COPINGS	TYPE "C" CATCH BASIN	POND OUTLET STRUCTURE	TYPE "C-L"CATCH BASIN DOUBLE GRATE TYPE II	TRASH RACK	SPECIAL MANHOLE	SHALLOW MANHOLE	BEDDING MATERIAL	12" R.C. PIPE CLASS V
UNIT	EA.	L.F.	EA.	L.F.	C.Y.	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	S.Y.	S.Y.	L.F.	EA.	L.F.	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	S.Y.	S.Y.	L.F.	C.Y.	C.Y.	C.Y.	L.F.	EA.	C.Y.	TON	TON	GAL.	S.Y.	C.Y.	EA.	EA.	EA.	EA.	EA.	EA.	C.Y.	L.F.
SUBTOTAL																																											
UNASSIGNED																																											
TOTAL	15	1950	2	720	31370	1	165	4374	26389	45	440	19400	870	1	330	1	910	2220	227	6100	5798	10300	230	200	2630	20	3	7410	9	37	2880	1790	820	180	60	5	2	4	2	2	4	218	136

ROADWAY ITEMS

ITEM NUMBER	0651053A	0651173A	0651174A		0651234A	0651237	0651251A	0651310A	0651422A	0651656	0651658	0653001	0653100	0703012	0703029A	0714050A	0728030	0755010	0811001	0822001	0822002	0910021	0910170	0912503	0913000	0913003	0913021	0913027	0913045A	0913068	0913500A	0913659	0913911	0921001A	0922500	0939001	0943001	0944010	0949160A	0950005A
ITEM	18" R.C. PIPE CLASS V	19" X 30" R.C. PIPE ELLIPTICAL CLASS V	22" X 34" R.C. PIPE ELLIPTICAL CLASS V		FLEX VALVE BACKFLOW PREVENTER	36" CORRUGATED ALUMINUM PIPE (SMOOTH INTERIOR)	15" R.C. PRIPE CLASS V	22" X 36" R.C. PIPE ARCH	12" HIGH DENSITY POLYETHYLENE PIPE - PERFORATED (SMOOTH INTERIOR)	12" CORRUGATED PE PIPE (SMOOTH INTERIOR)	18" CORRUGATED PE PIPE (SMOOTH INTERIOR)	CLEAN EXISTING CATCH BASIN	CLEAN EXISTING CULVERT 12" TO 42" DIAMETER	MODIFIED RIPRAP	ROUNDED STONE RIPRAP	TEMPORARY EARTH RETAINING SYSTEM	NO. 3 CRUSHED STONE	GEOTEXTILE (SEPARATION MEDIUM SURVIVABILITY)	CONCRETE CURBING	TEMPORARY PRECAST CONCRETE BARRIER CURB	RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB	R-B END ANCHORAGE TYPE I	METAL BEAM RAIL (TYPE R-B 350)	REMOVE METAL BEAM RAIL	REMOVAL OF CHAIN LINK FENCE	4' PVC CHAIN LINK FENCE	6' CHAIN LINK FENCE	REMOVE AND RELOCATE CHAIN LINK FENCE	8' CHAIN LINK FENCE WITH BARBED WIRE	TEMPORARY 6' CHAIN LINK FENCE	20' CHAIN LINK DOUBLE GATE 8' HIGH WITH BARBED WIRE	24' CHAIN LINK SLIDING GATE 6' HIGH	12' CHAIN LINK DOUBLE GATE 4' HIGH	CONCRETE SIDEWALK	BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)	SWEEPING FOR DUST CONTROL	WATER FOR DUST CONTROL	FURNISHING AND PLACING TOPSOIL	SPECIAL SOIL PREPARATION	TURF ESTABLISHMENT - LAWN
UNIT	L.F.	L.F.	L.F.		EA.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	L.F.	C.Y.	C.Y.	S.F.	C.F.	S.Y.	L.F.	L.F.	L.F.	EA.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	EA.	EA.	S.F.	S.Y.	HR.	M.GA	C.Y.	S.Y.	S.Y.
SUBTOTAL																																								
UNASSIGNED																																								
TOTAL	35	52	221		4	240	38	2204	80	68	750	2	300	780	680	820	8230	4249	794	200	200	2	490	800	2900	1255	785	100	2080	125	2	4	1	430	380	100	760	4263	110	38400

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Plotted: 2/4/2014

DESIGNER/DRAFTER: S. MAHAJAN
CHECKED BY: S. MITCHELL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_015-336_EST-01.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT · DAVID G. SACCO · No. 18589 · LICENSED · PROFESSIONAL ENGINEER

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: DETAILED ESTIMATE - 1

PROJECT NO. 15-336
DRAWING NO. EST-1.01
SHEET NO. 01.004

Border Version: 10/19/07

ROADWAY ITEMS

ITEM NUMBER	0950036	0950040A	0969000A	0969049A	0971001A	0975004A	0976002	0977001	0978002	0979003A	0980001A	1008187A	10100014	10180024	1108504A	1113158A	1113160A	1131002A	1205207	1205209	1206023A	1208928	1209114	1209124	1210101A	1210102A	1211001	1220013A	1806200	1807011	1807012	1807013	1807014	1807100
ITEM	EROSION CONTROL MATTING TYPE E	CONSERVATION SEED MIX FOR SLOPES	PROJECT COORDINATOR	DOCUMENT CONTROL SPECIALIST	MAINTENANCE AND PROTECTION OF TRAFFIC	MOBILIZATION AND PROJECT CLOSEOUT	BARRICADE WARNING LIGHTS-HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	CONSTRUCTION STAKING	4"PVC CONDUIT	CONCRETE HANDHOLE	AVIATION OBSTRUCTION LIGHT	EQUIPMENT RACK	1 CONDUCTOR NO. 8 AWG CABLE	1 CONDUCTOR NO. 10 AWG CABLE	REMOTE CONTROLLED CHANGEABLE MESSAGE SIGN	TYPE DE-7 DELINEATOR	TYPE DE-9 DELINEATOR	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE - SHEET ALUMINUM (TYPE III REFLECTIVE SHEETING)	HOT APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW	HOT APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	REMOVAL OF PAVEMENT MARKINGS	CONSTRUCTION SIGNS-BRIGHT FLUORESCENT SHEETING	FURNISHING AND USE OF PORTABLE IMPACT ATTENUATION SYSTEM 1.T	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 400 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 700 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 1400 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 2100 LB	RELOCATION OF (TYPE A) IMPACT ATTENUATION SYSTEM
UNIT	S.Y.	S.Y.	L.S.	L.S.	L.S.	L.S.	DAY	EA.	EA.	EA.	L.S.	L.F.	EA.	EA.	EA.	L.F.	L.F.	DAY	EA.	EA.	L.S.	S.F.	L.F.	L.F.	L.F.	L.F.	L.F.	S.F.	HR.	EA.	EA.	EA.	EA.	EA.
SUBTOTAL																																		
UNASSIGNED																																		
TOTAL	1500	6590	1	1	1	1	6000	50	50	7	1	800	3	12	1	7260	2000	160	10	4	1	105	9600	9600	4550	4550	400	500	200	2	6	8	4	4

CSPP ITEMS

ITEM NUMBER	0000195A	0000398A	0000407A	0000423A	0000432A	0000474A	0000620A	0000621A	0000901A	0000905A	0000908A	0001086A	0001250A	0101117A	0406900A	0913850A	0949315A	1001001A	1020042A
ITEM	TEMPORARY MAINTENANCE WORK AREA	RUNWAY/TAXIWAY EDGE LIGHT BASE	L-862E ELEVATED RUNWAY THRESHOLD LIGHT	REMOVE THRESHOLD LIGHT	TEMPORARY ELEVATED RUNWAY THRESHOLD LIGHT	1/C NO. 8-5KV CABLE [L-824] IN TRENCH	TEMPORARY RUNWAY AND TAXIWAY PAINTING	RUNWAY AND TAXIWAY PAINTING	SEEDING	TOPSOILING	MULCHING	1/C BARE NO. 6 COUNTER POISE IN TRENCH	P.A.P.I. SYSTEM	CONTROLLED MATERIALS HANDLING	MICROSURFACING	HIGH VISIBILITY SAFETY FENCE	FIBER ROLL	TRENCHING AND BACKFILLING	MAINTAIN EXISTING ILLUMINATION
UNIT	L.S.	EA.	EA.	EA.	EA.	L.F.	S.F.	S.F.	AC	C.Y.	S.Y.	L.F.	L.S.	C.Y.	S.Y.	L.F.	L.F.	L.F.	L.S.
SUBTOTAL																			
UNASSIGNED																			
TOTAL	1	16	8	14	8	600	8000	8000	1	190	2300	600	1	50	25000	2350	1700	600	1

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Plotted: 2/4/2014

DESIGNER/DRAFTER: S. MAHAJAN
CHECKED BY: S. MITCHELL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_015-336_EST-02.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT · DONALD G. SICCONE · No. 18589 · LICENSED · PROFESSIONAL ENGINEER

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: DETAILED ESTIMATE - 2

PROJECT NO. 15-336
DRAWING NO. EST-1.02
SHEET NO. 01.005

Border Version: 10/19/07

EMAS ITEMS

ITEM NUMBER	0000109A	0000209A	0000300A	0000398A	0000401A	0000407A	0000416A	0000425A	0000474A	0000603A	0000605A	0000620A	0000621A	0000901A	0000905A	0000908A	0001086A	0001540A	0101117A	0202401	0210100	0219002	0219011A	0406800A	0507005A	0601000	0603169A	0703012	0949315A	1001001A	1020042A
ITEM	2" SCHEDULE 40 PVC CONDUIT	CRUSHED AGGREGATE BASE COURSE	ENGINEERED MATERIAL ARRESTING SYSTEM (EMAS)	RUNWAY/TAXIWAY EDGE LIGHT BASE	BITUMINOUS SURFACE COURSE	L-862E ELEVATED RUNWAY THRESHOLD LIGHT	RUNWAY END IDENTIFIER LIGHT	REMOVE THRESHOLD LIGHT	1/C NO. 8-5KV CABLE [L-824] IN TRENCH	BITUMINOUS TACK COAT	JOINT SEALER FILLER	TEMPORARY RUNWAY AND TAXIWAY PAINTING	RUNWAY AND TAXIWAY PAINTING	SEEDING	TOPSOILING	MULCHING	1/C BARE NO. 6 COUNTERPOISE IN TRENCH	SUBBASE COURSE	CONTROLLED MATERIALS HANDLING	UNCLASSIFIED EXCAVATION	ANTI-TRACKING PAD	SEDIMENTATION CONTROL HAY BALE SYSTEM	SEDIMENTATION CONTROL AT CATCH BASIN	MICROSURFACING	ABANDON CATCH BASIN OR MANHOLE	CLASS "A" CONCRETE	PROGRESS PHOTOGRAPHS	MODIFIED RIPRAP	FIBER ROLL	TRENCHING AND BACKFILLING	MAINTAIN EXISTING ILLUMINATION
UNIT	L.F.	C.Y.	L.S.	EA.	TON	EA.	EA.	EA.	L.F.	GAL.	L.F.	S.F.	S.F.	AC	C.Y.	S.Y.	L.F.	C.Y.	C.Y.	C.Y.	S.Y.	L.F.	EA.	S.Y.	EA.	C.Y.	EA.	C.Y.	L.F.	L.F.	L.S.
SUBTOTAL																															
UNASSIGNED																															
TOTAL	650	2800	1	17	2100	8	2	8	600	450	440	30000	100000	2	790	9400	650	1250	5100	5000	300	16	5	37000	1	65	2	1	2100	650	1

MITIGATION ITEMS

ITEM NUMBER	0000209A	0000309A	0000401A	0000603A	0000620A	0000621A	0000901A	0000905A	0000908A	0001540A	0101117A	0101135	0201001	0202401	0204001A	0205001	0205003	0208602	0210306A	0219001	0406267A	0601000	0651001	0651059	0703029A	0913850A	0948013A	0948422A	0949029A	0949315A	0950040A	0950202A	0952051A	1208928	1301083A	1301514	1302211	1307001	1309301
ITEM	CRUSHED AGGREGATE BASE COURSE	FURNISH AND INSTALL AVIAN NESTING BOX	BITUMINOUS SURFACE COURSE	BITUMINOUS TACK COAT	TEMPORARY RUNWAY AND TAXIWAY PAINTING	RUNWAY AND TAXIWAY PAINTING	SEEDING	TOPSOILING	MULCHING	SUBBASE	CONTROLLED MATERIALS HANDLING	DEBRIS REMOVAL	CLEARING AND GRUBBING	UNCLASSIFIED EXCAVATION	COFFERDAM AND DEWATERING	TRENCH EXCAVATION 0-4' DEEP	TRENCH EXCAVATION 0-10' DEEP	SAND	TURBIDITY CONTROL CURTAINS	SEDIMENTATION CONTROL SYSTEM	MILLING OF HMA (0"-4")	CLASS "A" CONCRETE	BEDDING MATERIAL	36" R.C. PIPE	ROUNDED STONE RIPRAP	HIGH VISIBILITY SAFETY FENCE	TIDAL WETLAND CREATION	HABITAT CREATION	FURNISHING AND PLANTING SHRUBS, GRASSES AND HERBACEOUS STOCK	FIBER ROLL	CONSERVATION SEED MIX FOR SLOPES	SHORELINE GRASS ESTABLISHMENT	CONTROL AND REMOVAL OF INVASIVE VEGETATION	SIGN FACE - SHEET ALUMINUM (TYPE III REFLECTIVE SHEETING)	10" DUCTILE IRON PIPE	10" 45 DEGREE BENDS	10"x10" TAPPING SLEEVE & VALVE	BEDDING MATERIAL	DISINFECTION OF WATERMAIN
UNIT	C.Y.	EA.	TON	GAL.	S.F.	S.F.	AC.	C.Y.	S.Y.	C.Y.	C.Y.	L.S.	L.S.	C.Y.	L.F.	C.Y.	C.Y.	C.Y.	L.F.	L.F.	S.Y.	C.Y.	C.Y.	L.F.	C.Y.	L.F.	S.Y.	S.Y.	EA.	L.F.	S.Y.	S.Y.	S.Y.	S.F.	L.F.	EA.	EA.	C.Y.	EA.
SUBTOTAL																																							
UNASSIGNED																																							
TOTAL	150	1	950	200	1500	1500	2	6294	2700	185	11450	1	1	11450	185	200	1442	11	110	5812	3350	45	480	1100	46	1900	2700	5600	4301	1000	7800	4300	81335	12	200	4	2	50	1

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted: 2/4/2014

DESIGNER/DRAFTER: F. WALSH
CHECKED BY: S. MITCHELL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_015-336_EST-03.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT · DONALD G. SICCONE · No. 18589 · LICENSED · PROFESSIONAL ENGINEER

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: DETAILED ESTIMATE - 3

PROJECT NO. 15-336
DRAWING NO. EST-1.03
SHEET NO. 01.006

Border Version: 10/19/07

UTILITIES

ITEM NUMBER	1003898A	0101117A	1300015A	1301082A	1301085A	1301934A	1301948A	1302002A	1302003A	1302004A	1302022A	1302025A	1302122A	1302206A	1302912A	1303204A	1303222A	1303384A	1303388A	1303395A	1304101A	1401244A	1403001	1500130A	1500131A	1500132A	1015047A	1500193A	1015049A
ITEM	REMOVE AND RELOCATE LIGHT STANDARD & CONC. FOUNDATION	CONTROLED MATERIAL HANDLING	ROCK IN TRENCH EXCAVATION 0'-10' DEEP (WATER MAIN)	8" DUCTILE IRON PIPE (WATER MAIN)	16" DUCTILE IRON PIPE (WATER MAIN)	24" STEEL PIPE SLEEVE	16" STEEL PIPE SLEEVE	4" GATE VALVE	6" GATE VALVE	8" GATE VALVE	8" BUTTERFLY VALVE	16" BUTTERFLY VALVE	8" INSERTION VALVE (WATER MAIN)	8"x8" TAPPING SLEEVE & VALVE	INSTALL BLOW-OFF ASSEMBLIES (WATER MAIN)	HYDRANT ASSEMBLY (WATER MAIN)	METER PIT (WATER MAIN)	8" CONNECTION TO WATER MAIN	16" CONNECTION TO WATER MAIN	RELOCATE SERVICE CONNECTION (WATER MAIN)	CLASS A CONCRETE FOR WATER MAIN	INSTALL 14" SANITARY FORCE MAIN IN TRENCH	MANHOLE (SANITARY SEWER)	INSTALL CONDUIT IN TRENCH - U.I.	INSTALL CONDUIT IN TRENCH - AT&T	INSTALL CONDUIT IN TRENCH - CABLEVISION	ELECTRIC VAULT	ACCESS MANHOLE AND COVER (UTILITY)	COMMUNICATION VAULT
UNIT	EA.	C.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	C.Y.	L.F.	EA.	L.F.	L.F.	L.F.	EA.	EA.	EA.
UI																								2000			4		
AT&T																									2000			5	
CABLE VISION																										2000			4
WATER MAIN			10	1800	1920	20	20	2	1	4	1	3	1	1	7	1	1	1	2	7	10								
SANITARY FORCE MAIN																						2075	1						
OTHER	4	940																											
SUBTOTAL																													
UNASSIGNED																													
TOTAL	4	940	10	1800	1920	20	20	2	1	4	1	3	1	1	7	1	1	1	2	7	10	2075	1	2000	2000	2000	4	5	4

SOIL MANAGEMENT

ITEM NUMBER	0101007A	0101128A	0101130A	0202321A	0202322A	0202318A	0728030
ITEM	ENVIRONMENTAL HEALTH AND SAFETY SITE NO. 1	SECURING CONSTRUCTION HAZARDOUS WASTE OF A WASTE STOCKPILE AREA	ENVIRONMENTAL WORK - SOLIDIFICATION	DISPOSAL OF CONTROLLED MATERIALS - LOW PAHS	DISPOSAL OF CONTROLLED MATERIALS - HIGH PAHS	MANAGEMENT OF REUSABLE CONTROLLED MATERIALS	NO. 3 CRUSHED STONE
UNIT	L.S.	L.S.	TON	TON	TON	C.Y.	C.Y.
SUBTOTAL							
UNASSIGNED							
TOTAL	1	1	1	28800	28800	9000	20

RAYMARK WASTE DISPOSAL

ITEM NUMBER	0101008A	0101127A	0101129A	0101155A	0201001	0202100	0202200	0202304A	0202305A	0202306A	0202307A	0202639A	0202640	0207010	0212000	0219001	0406172	0714013	0714050A	0728030	0755009	0755017A	0913068	0922500	0944107A	0944110A	0948014	0950040A
ITEM	ENVIRONMENTAL HEALTH AND SAFETY SITE NO. 2	INSTALLATION/REMOVAL OF HAZARDOUS WASTE STABILIZATION FACILITY	OPERATION AND MAINTENANCE OF HAZARDOUS WASTE STABILIZATION FACILITY	HAZARDOUS WASTE WATER MANAGEMENT	CLEARING AND GRUBBING	ROCK EXCAVATION	CHANNEL EXCAVATION - EARTH	HAZARDOUS WASTE MATERIALS EXCAVATION, HANDLING, AND DISPOSAL	HAZARDOUS WASTE MATERIALS EXCAVATION, HANDLING, AND DISPOSAL (TSCA)	SPECIAL HAZARDOUS WASTE MATERIALS EXCAVATION, HANDLING, AND DISPOSAL	SPECIAL HAZARDOUS WASTE MATERIALS EXCAVATION, HANDLING, AND DISPOSAL (TSCA)	MONITORING WELL	2" MONITORING WELL ABANDONMENT	SPECIAL BACKFILL	SUBBASE	SEDIMENTATION CONTROL SYSTEM	HMA S0.375	TEMPORARY SOLDIER PILING AND LAGGING	TEMPORARY EARTH RETAINING SYSTEM	NO. 3 CRUSHED STONE	GEOTEXTILE	GEOTEXTILE - HAZARDOUS WASTE	TEMPORARY 6' CHAIN LINK FENCE	BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)	SPECIAL TOPSOIL - HAZARDOUS WASTE EXCAVATION AREA	ORGANIC MATERIAL	STREAM RESTORATION	CONSERVATION SEED MIX FOR SLOPES
UNIT	L.S.	L.S.	L.S.	L.S.	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	E.A.	E.A.	C.Y.	C.Y.	L.F.	TON	S.F.	S.F.	C.Y.	S.Y.	S.Y.	L.F.	S.Y.	S.Y.	S.Y.	L.S.	S.Y.
SUBTOTAL																												
UNASSIGNED																												
TOTAL	1	1	1	1	1	200	38	13000	45	230	4	3	1	16250	6500	1000	560	1500	12000	1500	18000	12000	2400	1400	6000	120	1	7500

P = FEDERAL AID PARTICIPATING
NP= FEDERAL AID NON PARTICIPATING
=FOR INTERNAL USE ONLY
NOT A LEGAL DEFINITION

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.

Plotted: 2/4/2014

DESIGNER/DRAFTER: S. MAHAJAN
CHECKED BY: S. MITCHELL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_015-336_EST-04.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT · DAVID G. SCOTT · No. 18589 · LICENSED · PROFESSIONAL ENGINEER

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: DETAILED ESTIMATE - 4

PROJECT NO. 15-336
DRAWING NO. EST-1.04
SHEET NO. 01.007

Border Version: 10/19/07