VOLUME 4 - EMAS
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
IND-4.01	EMAS INDEX OF DRAWINGS	ELE-4.01	ELECTRICAL SITE PLAN
GLP-4.01	GENERAL LAYOUT PLAN		
GEN-4.01	GENERAL NOTES		
TYP-4.01	TYPICAL SECTIONS 1		
TYP-4.02	TYPICAL SECTIONS 2		
MDS-4.01	EMAS DETAILS 1		
MDS-4.02	EMAS DETAILS 2		
MDS-4.03	EMAS DETAILS 3		
MDS-4.04	EROSION AND SEDIMENT CONTROL DETAILS		
MDS-4.05	PAVEMENT MARKING DETAILS		
APT-4.01	EMAS GEOMETRY PLAN		
DRG-4.01	GRADING AND DRAINAGE PLAN		
SED-4.01	EROSION AND SEDIMENT CONTROL PLAN		
PVT-4.01	PAVEMENT MARKING PLAN		
XSC-4.01	RUNWAY 6-24 CROSS SECTIONS 1		
XSC-4.02	RUNWAY 6-24 CROSS SECTIONS 2		
GPN-4.01	ELECTRICAL GENERAL NOTES AND ABBREVIATIONS		
GPN-4.02	ELECTRICAL LEGENDS		
DET-4.01	ELECTRICAL DETAILS		
DMO-4.01	ELECTRICAL DEMOLITION PLAN		

DESIGNED BY:
URS
URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

FOR REVIEW ONLY - NOT FOR CONSTRUCTION

FINAL PLANS FOR REVIEW #2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 2/7/2013

DESIGNER/DRAFTER: K. MCCUTCHAN
CHECKED BY: G. D'AMICO

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\V4-cover.dgn

SIGNATURE/ BLOCK:

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

TOWN: STRATFORD

DRAWING TITLE:
VOLUME 4 - EMAS
INDEX OF DRAWINGS

PROJECT NO. 15-336
DRAWING NO. IND-4.01
SHEET NO. 04.001

PROPOSED CONSTRUCTION SEQUENCE

PHASE IA (CT ROUTE 113 RE-ALIGNMENT)

SEE VOLUME 2 FOR ADDITIONAL INFORMATION

PHASE IIA & IIB RUNWAY 6-24 REHABILITATION)

SEE VOLUME 3 FOR ADDITIONAL INFORMATION

PHASE IB (INSTALLATION OF EMAS)

PROJECT#	DESCRIPTION
1	CONSTRUCT PAVEMENT SUPPORT SLAB AND CONCRETE ANCHOR BEAM FOR EMAS BED
2	CONSTRUCT PAVEMENT TRANSITION FROM EXISTING RUNWAY TO CONCRETE ANCHOR BEAM
3	INSTALL EMAS BED
4	INSTALL RUNWAY AND EMAS MARKINGS

MITIGATION

(M) SEE VOLUME 7 FOR ADDITIONAL INFORMATION

LEGEND

Symbol	Description
RSA — — RSA	RUNWAY SAFETY AREA
ROFA — ROFA	RUNWAY OBJECT FREE AREA
TOFA — TOFA	TAXIWAY OBJECT FREE AREA
GSCA — GSCA	GLIDE SLOPE CRITICAL AREA
VORCA — VORCA	VOR CRITICAL AREA
(grey box)	RUNWAY 06-24 REHABILITATION
(arrows)	HAUL ROUTE
(hatched box)	STAGING AREAS

AIRPORT CONTROL

BDR A	BDR AP STA A	BDR B
METAL ROD STAMPED	TOPOGRAPHIC STATION DISK	SURVEY DISK
BDR A 1999	STAMPED AP 1963 STA A	STAMPED BDR B 1999
NAD 83(2007) CT83F	NAD 83(2007) CT83F	NAD 83(2007) CT83F
GRID N:621004.94	GRID N:621123.23	GRID N:618337.99
GRID E:894700.67	GRID E:897965.63	GRID E:894650.60
LATITUDE: 41°09'53.26941"	LATITUDE: 41°09'54.57865"	LATITUDE: 41°09'26.91719"
LONGITUDE: -73°07'56.73692"	LONGITUDE: -73°07'14.05634"	LONGITUDE: -73°07'57.23715"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN/J. JENKINS

CHECKED BY: G. D'AMICO/J. BRENNAN

SCALE IN FEET 0 400 800 — SCALE 1" = 400'

Filename:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

SIGNATURE/ BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: GENERAL LAYOUT PLAN

PROJECT NO. 15-336

DRAWING NO. GLP-4.01

SHEET NO. 04.002

Border Version: 10/19/07

GENERAL NOTES

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION (CONNDOT), AND THE FEDERAL AVIATION ADMINISTRATION (FAA).

2. THE PROJECT IS TO BE COMPLETED IN CONFORMANCE WITH THE "CONSTRUCTION PHASING PLANS AND NOTES," AS CONTAINED IN THE PLANS, AND SHALL BE CONSTRUCTED IN A TIMELY MANNER IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED PROJECT SCHEDULE. THE SCHEDULE SHALL PROVIDE FOR COMPLETION OF THE PHASES AS SHOWN ON THE PLANS AND DESCRIBED IN THE CONTRACT SPECIFICATIONS.

3. WHEN STATED THE CONTRACTOR IS EXPECTED TO MEET COMPLETION OF CRITICAL PORTIONS OF THE PROJECT AND OPEN THOSE SEGMENTS TO TRAFFIC BY THE SPECIFIED TIMES AND TO COMPLETE THE ENTIRE PROJECT ON TIME.

4. SIKORSKY MEMORIAL AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF ALL WORK WITH THE AIRPORT MANAGER & THE PROJECT RESIDENT ENGINEER IS MANDATORY TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.

5. CONSTRUCTION AND MAINTENANCE OPERATIONS BY OTHERS MAY OCCUR CONCURRENTLY AND AT TIMES IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS AND COOPERATE WITH MAINTENANCE CREWS AND OTHER CONTRACTORS WORKING ON THE AIRPORT.

6. ACCESS TO THE SITE – THE CONTRACTOR'S ACCESS POINTS TO THE SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VEHICLES AND PERSONNEL WHO ENTER THROUGH THESE ACCESS POINTS. THE CONTRACTOR SHALL MAINTAIN A SECURITY GUARD AT EACH GATE BEING USED AT ALL TIMES WHILE CONSTRUCTION IS UNDERWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL ACCESS POINTS BEING USED AT THE END OF EACH CONSTRUCTION DAY OR WHEN ACCESS POINTS ARE UNATTENDED.

7. HAUL ROUTES – APPROXIMATE LOCATION OF HAUL ROUTES ON THE AIRPORT SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT SHEET. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF–SITE HAUL ROUTES (STATE OR TOWN HIGHWAYS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON–SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON–SITE HAUL ROUTES SHALL BE INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE ENGINEER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING THE WORK. EXISTING ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.

8. CONTRACTOR'S STAGING AREAS – AN AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE. THIS AREA IS SHOWN ON THE GENERAL PROJECT LAYOUT. THE CONTRACTOR'S STAGING AREA SHALL BE GRADED, TOPSOILED, SEEDED, AND MULCHED UPON COMPLETION OF USE, AT THE CONTRACTOR'S EXPENSE.

9. DISPOSAL AREA – WASTE AREAS WILL BE MADE AVAILABLE FOR THE DISPOSAL OF THE CONTRACTOR'S SPOIL MATERIALS. THE MANNER IN WHICH MATERIALS ARE PLACED IN EMBANKMENTS SHALL BE AS SPECIFIED AND APPROVED BY THE ENGINEER. WASTE MATERIALS INCLUDE THOSE ITEMS WHICH ARE A DIRECT RESULT OF CONSTRUCTION. TRASH (i.e. CUPS, CANS, ETC.) SHALL BE DISPOSED OF THROUGH PROPER SANITARY METHODS.

10. SAFETY – THE CONTRACTOR SHALL CONDUCT HIS ACTIVITIES IN A SAFE MANNER AS SPECIFIED IN THE SECTION TITLED, "SAFETY REQUIREMENTS DURING CONSTRUCTION" ON THIS SHEET.

11. PROTECTION OF AND REPAIR OF DAMAGE TO EXISTING CABLES – LOCATION OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND MUST BE VERIFIED BY THE CONTRACTOR. REPAIR OF CABLES DAMAGED DUE TO CONTRACTOR'S OPERATIONS MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE AT THE CONTRACTOR'S EXPENSE. WHEN FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF AN FAA REPRESENTATIVE. THE FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.

12. EXISTING AIRFIELD LIGHTING SYSTEMS – INTERRUPTION OF EXISTING AIRFIELD LIGHTING SYSTEMS NOT INCLUDED IN THIS PROJECT SHALL NOT BE PERMITTED. ALL AIRFIELD LIGHTING CIRCUITS AFFECTED BY THIS PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR DURING OPERATIONAL PERIODS IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AS DIRECTED BY THE ENGINEER.

13. CONSTRUCTION LIMITS – ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS ARE FURTHER DEFINED IN THE SECTION TITLED, "SAFETY REQUIREMENTS DURING CONSTRUCTION" ON THIS SHEET.

14. RUNWAY OBJECT FREE AREA (OFA) – OBJECTS, INCLUDING VEHICLES, NOT ESSENTIAL FOR AIR NAVIGATION OR AIRCRAFT GROUND MANEUVERING ARE NOT ALLOWED IN AN ACTIVE OFA. CONTRACTOR VEHICLE AND EQUIPMENT ARE NOT TO ENTER THE OFA WITHOUT PERMISSION.

15. PORTABLE FLOODLIGHTING – THE CONTRACTOR SHALL PROVIDE PORTABLE FLOODLIGHTING WHEN REQUIRED FOR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT UNITS SO THAT ALL WORK AREAS ARE ILLUMINATED TO A LEVEL OF 5 HORIZONTAL FOOT CANDLES. THE LIGHTING LEVELS SHALL BE CALCULATED AND MEASURED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE ILLUMINATION ENGINEERING SOCIETY.

16. THE CONTRACTOR SHALL OBTAIN ALL WORK PERMITS AND LICENSES REQUIRED FOR THE PROJECT AT HIS OWN EXPENSE.

17. FIELD SURVEYS FOR THIS PROJECT AREA WERE PERFORMED BY URS CORPORATION.

18. THE HORIZONTAL CONTROL ON THIS PROJECT IS TIED TO THE 1983 AND 1929 NATIONAL GEODETIC HORIZONTAL AND VERTICAL DATUM, RESPECTIVELY.

19. PRIOR TO WORKING WITHIN THE AIRPORT OPERATING AREA (AOA) ALL CONTRACTOR EMPLOYEES MUST RECEIVE/ATTEND THE AIRPORT DRIVER TRAINING/AWARENESS INSTRUCTION.

20. UTILITIES

(1) UNDERGROUND UTILITIES: THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE CONSIDERED TO BE ONLY ESTIMATED LOCATIONS. ALL UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. IN THE EVENT ANY UTILITY IS DAMAGED THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR INCURRED COSTS OF REPAIRS.

(2) UTILITIES NOTIFICATION: AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER, AND THE OWNER OF EACH UNDERGROUND UTILITY FACILITY AFFECTED.

(3) THE FOLLOWING IS A LIST OF COMPANIES WITH POSSIBLE UTILITIES WITHIN THE CONSTRUCTION LIMITS.

UTILITY	
CALL BEFORE YOU DIG	1–800–922–4455
SOUTHERN CONNECTICUT GAS	1–203–795–7783
SNET	1–203–553–6265
UNITED ILLUMINATING (UI)	1–800–722–5584
FAA	1–203–773–2158

21. THE EMAS PROJECT AREA IS LOCATED IN ZONE AE (ELEV 14 NGVD 29) PER THE NATIONAL FLOOD INSURANCE PROGRAM MAP, COMMUNITY PANEL NUMBER 090016 0461 G, DATED: PRELIMINARY OCTOBER 30, 2011, WITH LETTER OF FINAL DETERMINATION ON JANUARY 8, 2013 AND SCHEDULED EFFECTIVE DATE OF JULY 8, 2013.

FAA - CONNDOT REFERENCE TABLE

CONTRACT DRAWINGS AND SPECIFICATION MAKE REFERENCE TO FAA ITEMS AND DESCRIPTIONS.
THE FOLLOWING TABLE SHALL BE USED AS A REFERENCE FOR CORRELATING FAA ITEMS WITH CONNDOT PAY ITEMS.

FAA		ConnDOT	
ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
P-101	Surface Preparation	0000622	Removal of Pavement Markings
P-152-4.1	Unclassified Excavation	0000152	Unclassified Excavation
P-152-4.7	Embankment in Place	000XXXXA	Earth Embankment
P-154-5.1	Subbase Course	0001540	Subbase Course
P-209-5.1	Crushed Aggregate Base Course	0000209	Crushed Aggregate Base Course
P-401-8.1	Bituminous Concrete Pavement	0000401	Bituminous Surface Course
P-610-5.1	Structural Portland Cement Concrete	061XXXXA	Structural Portland Cement Concrete
P-621-5.1	Saw Cut Groves	0000486	Pavement Grooving
P-555-5.1	EMAS Bed Installation	0000300	Engineered Material Arresting System(EMAS)
P-603-5.1	Bituminous Tack Coat	0000603	Bituminous Tack Coat
P-751-5.1	Manholes	0507602	Special Manhole
P-751-5.2	Catch Basins	0507215	Special Type "C-L" Catch Basins
T-901-5.1	Seeding	0000901	Seeding
T-905-5.1	Topsoil (Furnished from Off the Site)	0000905	Topsoiling
T-908-5.1	Mulch	0000908	Mulching
L-108-5.1	Underground Cable No.8 AWG, 5KV, L-824, Type B Installed in Existing or New Conduit	0001083	1/C NO. 8 - 5 KV Cable in Conduit
L-108-5.2	No. 6 AWG Bare Counterpoise Wire Installed in Trench Including Ground Rods and Connections	0001086	1/C Bare NO. 6 Counterpoise in Trench
L-108-5.3	No. 1/0 AWG Bare Counterpoise Wire Installed in Trench Including Ground Rods and Connections	010XXXXA	No. 1/0 AWG Bare Counterpoise Wire Installed in Trench Including Ground Rods and Connections
L-108-5.4	Removal and Disposal of Existing 5KV Cables	0000538	Removal and Disposal of 5KV Lighting Cable
L-108-5.5	Temporary Cables to Maintain Lighting	010XXXXA	Temporary Cables to Maintain Lighting
L-108-5.6	Trenching and Backfilling for Installation of Counterpoise Cable	1001001	Trenching and Backfilling
P-156	Temporary Air and Water Pollution, Soil Erosion, and Siltation Control	015XXXXA	Erosion Control
L-109-5.1	20 KW Constant Current Regulator	010XXXX	20 KW Constant Current Regulator
L-109-5.2	10 KW Constant Current Regulator	010XXXX	10 KW Constant Current Regulator
L-110-5.1	2-Inch Schedule 40 PVC Conduit, Direct Earth Burial in Existing Pavement	011XXXXA	2-Inch Schedule 40 PVC Conduit, Direct Earth Burial in Existing Pavement
L-110-5.2	2-Inch Schedule 40 PVC Conduit, Concrete Encased in Existing Pavement	011XXXX A	2-Inch Schedule 40 PVC Conduit, Concrete Encased in Existing Pavement
L-110-5.3	2-Inch Schedule 40 PVC Conduit, Direct Earth Burial in Existing Grass Area	011XXXX A	2-Inch Schedule 40 PVC Conduit, Direct Earth Burial in Existing Grass Area
L-110-5.4	Two-Way, 4-Inch Duct Bank in Grass Area	0000105	2 Way - 4" Schedule 40 PVC Duct Bank
L-110-5.5	Four-Way, 4-Inch Duct Bank in Grass Area	0000106	4 Way - 4" Schedule 40 PVC Duct Bank
L-110-5.6	Four-Way, 4-Inch Duct Bank Concrete Encased In Existing Pavement	011XXXX A	Four-Way, 4-Inch Duct Bank Concrete Encased In Existing Pavement
L-110-5.7	Four-Way, 4-Inch Ductbank Concrete Encased	011XXXXA	Four-Way, 4-Inch Ductbank Concrete Encased
L-110-5.8	Four-Way, 2-Inch Duct Bank in Grass Area	011XXXX A	Four-Way, 2-Inch Duct Bank in Grass Area
L-110-5.9	Two-Way, 2-Inch Duct Bank Concrete Encased in Existing Paved Area	011XXXX A	Two-Way, 2-Inch Duct Bank Concrete Encased in Existing Paved Area
L-110-5.10	Two-Way, 2-Inch Duct Bank in Grass Area	0110510	2" Two Way Duct Bank
L-110-5.11	Six-Way, 4-Inch Duct Bank in Grass Area	0000164	6 Way - 4" Schedule 40 PVC Duct Bank
L-110-5.12	Six-Way, 4-Inch Duct Bank Concrete Encased In Existing Pavement	011XXXX A	Six-Way, 4-Inch Duct Bank Concrete Encased In Existing Pavement
L-115-5.1	Electrical Handhole 3'X3'X3'	011XXXX A	Electrical Handhole 3'X3'X3'
L-115-5.2	Electrical Handhole 4'X4'X4'	011XXXX A	Electrical Handhole 4'X4'X4'
L-115-5.3	New L-868 Size B Junction Can With 1/2" steel cover In Existing Grass Area	011XXXX A	New L-868 Size B Junction Can With 1/2" steel cover In Existing Grass Area
L-115-5.4	New L-867 Size B Junction Can In Existing Grass Area	011XXXXA	New L-867 Size B Junction Can In Existing Grass Area
L-115-5.5	Existing Electrical Handhole/Manhole Adjusted to New Grade	011XXXX A	Existing Electrical Handhole/Manhole Adjusted to New Grade
L-115-5.6	Remove Existing Manhole/Hand hole	011XXXX A	Remove Existing Manhole/Hand hole
L-125-5.1	L-858(L) Airfield Guidance Sign	012XXXXA	L-858(L) Airfield Guidance Sign
L-125-5.2	L-858(L) Runway Distance Remaining Sign	012XXXXA	L-858(L) Runway Distance Remaining Sign
L-125-5.3	L-861T(L) Elevated Taxiway Edge Light	012XXXX A	L-861T(L) Elevated Taxiway Edge Light
L-125-5.4	L861T Elevated Taxiway Edge Light	0004020	Taxiway Edge Light (L-861T)
L-125-5.5	L-862 Elevated Runway Edge Light	012XXXXA	L-862 Elevated Runway Edge Light
L-125-5.6	L-850C In-Pavement Runway Edge Light	012XXXXA	L-850C In-Pavement Runway Edge Light
L-125-5.7	L-862E Elevated Runway Threshold Light	012XXXXA	L-862E Elevated Runway Threshold Light
L-125-5.8	L-853 Elevated Retroreflective Edge Marker	0000619	Taxiway Reflective Marker L-853
L-125-5.9	Remove Airfield Guidance Sign Foundation	0000146	Remove Guidance Sign Foundation
L-125-5.10	Remove Airfield Guidance Sign and Foundation	0000134	Remove Guidance Sign
L-125-5.11	Remove Elevated Light and Base	012XXXXA	Remove Elevated Light and Base
L-125-5.12	Remove In-Pavement Light and Base and Fill Void	012XXXXA	Remove In-Pavement Light and Base and Fill Void
L-125-5.13	Remove Light Base	012XXXXA	Remove Light Base
L-125-5.14	Remove Elevated Retroreflective Edge Marker	012XXXXA	Remove Elevated Retroreflective Edge Marker
L-125-5.15	Supplemental Components	012XXXXA	Supplemental Components
L-125-5.16	Runway 6 REIL	012XXXXA	Runway 6 REIL
P-605-5.1	Joint Sealing Filler	0000605	Joint Sealing Filler
P-620-5.1	Runway and Taxiway Painting	0000621	Runway and Taxiway Painting

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN
CHECKED BY: G. D'AMICO

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

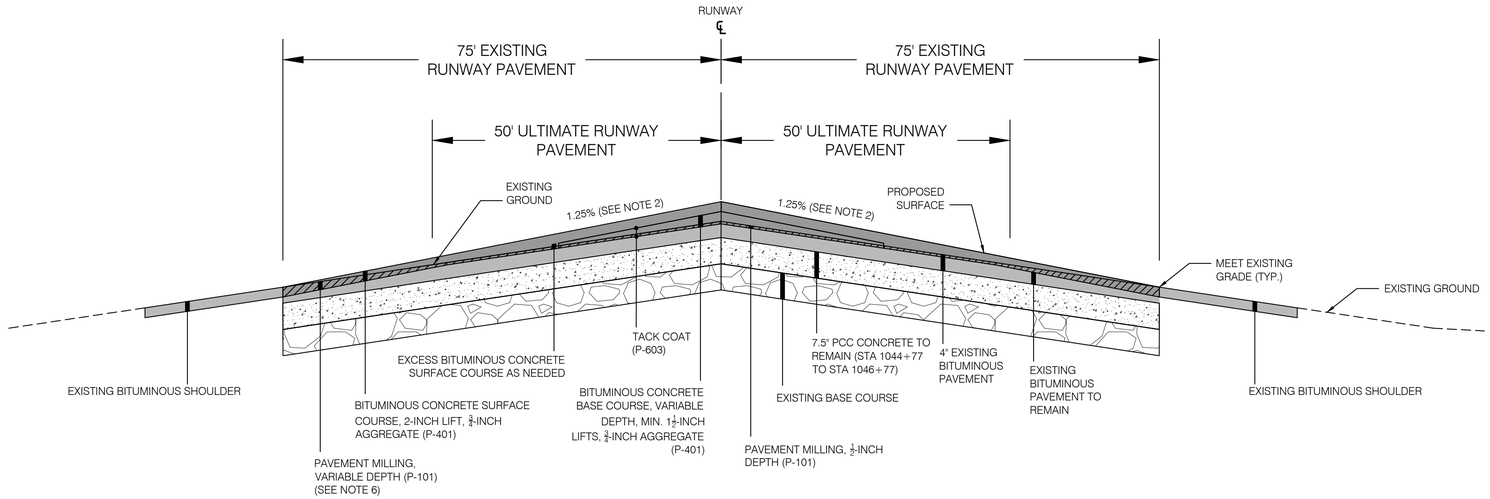
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
REHABILITATION OF RUNWAY 6-24
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: GENERAL NOTES

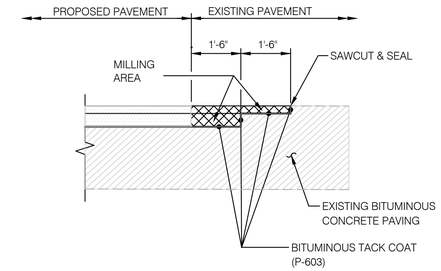
PROJECT NO. 15-336
DRAWING NO. GEN-4.01
SHEET NO. 04.003

Border Version: 10/19/07



RUNWAY 6-24 TYPICAL SECTION: STA 1044+25 TO 1046+77

NOT TO SCALE



BUTT JOINT (TIE-IN) DETAIL - PROPOSED TO EXISTING

NOT TO SCALE

NOTES:

1. BITUMINOUS PAVEMENTS SHALL BE MILLED TO A DEPTH OF ½-INCH EXCEPT WHERE OTHERWISE INDICATED.
2. SLOPES VARY. "TYPICAL" SLOPE IS 1.25%. SEE CROSS SECTIONS FOR EXACT SLOPES. OFF-PAVEMENT SLOPES MUST BE BETWEEN 3.00% AND 5.00% FOR THE FIRST 10 FEET, AFTER WHICH THEY MUST BE BETWEEN 1.50% AND 3.00%.
3. PCC PAVEMENT LOCATED BENEATH EXISTING ASPHALT FROM STA 1044+77 TO STA 1046+77. THESE STATIONS ARE BASED ON HISTORICAL AS-BUILT DATA AND MAY NOT BE REPRESENTATIVE OF ACTUAL CONDITIONS. THE INTENT OF DESIGN IS TO LEAVE THIS MATERIAL IN PLACE UNTIL FUTURE FULL-DEPTH RECONSTRUCTION OF THE RUNWAY (SEE VOLUME 3). SHOULD FIELD CONDITIONS VARY, THE ENGINEER SHALL MAKE THE FINAL DETERMINATION REGARDING THE REMOVAL OF THIS MATERIAL.
4. IF ENCOUNTERED, PAVEMENT MEMBRANE SHALL BE REMOVED IN ITS ENTIRETY WITH THE AREA OF MILLED BITUMINOUS PAVEMENT. REMOVAL OF THIS ITEM SHALL BE CONSIDERED INCIDENTAL TO PAVEMENT MILLING AND SHALL NOT BE MEASURED FOR PAYMENT. MEMBRANE IS THOUGHT TO BE INSTALLED IN 1981 BETWEEN STA 1007+27 AND 1044+77, 50' LEFT AND RIGHT OF CENTERLINE.
5. 1.5-INCH DROP REQUIRED AT EDGE OF ALL AIRCRAFT PAVEMENTS TO PROMOTE DRAINAGE.
6. THE INTENT OF VARIABLE DEPTH MILLING IS TO ALLOW FOR A FULL 2-INCH SURFACE COURSE INSTALLATION AT THE EDGE OF RUNWAY. THE WIDTH OF VARIABLE DEPTH MILLING WILL BE DETERMINED BY THE DIFFERENCE OF FINAL GRADE AND EXISTING GRADE AT EACH STATION. VARIABLE DEPTH MILLING WILL TYPICALLY RANGE BETWEEN ½ INCH AND 2 INCHES, BUT MAY BE INCREASED AS NEEDED FOR TIE-INS TO EXISTING PAVEMENT.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN
CHECKED BY: G. D'AMICO
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

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BLOCK:

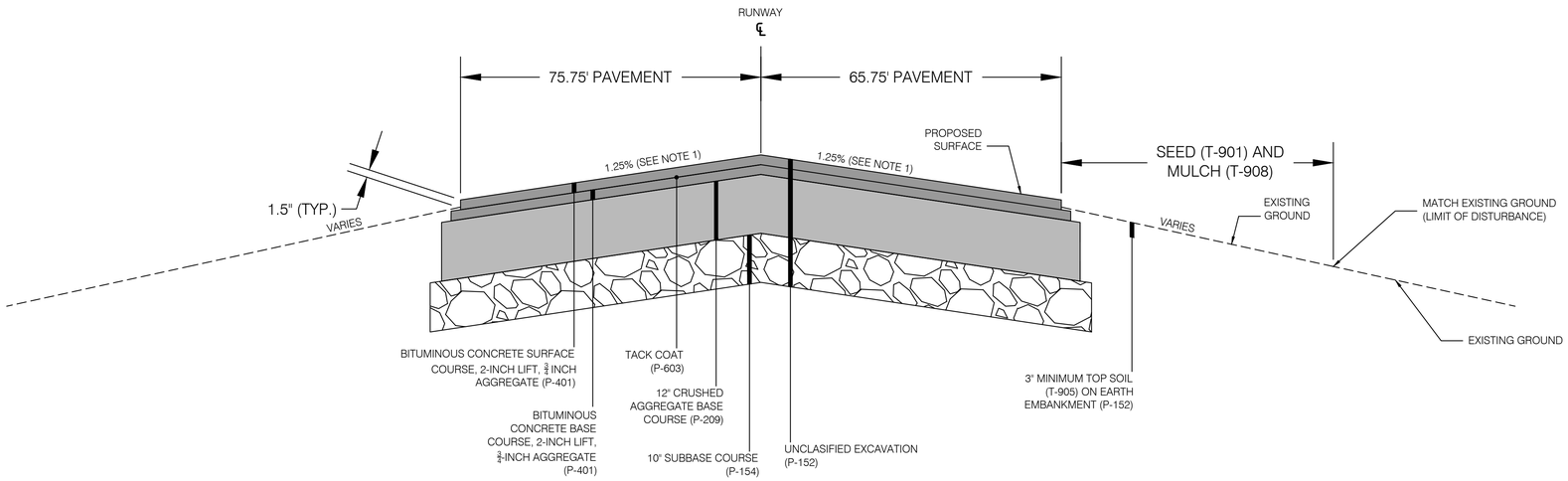
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: TYPICAL SECTIONS 1

PROJECT NO.: 15-336
DRAWING NO.: TYP-4.01
SHEET NO.: 04.004

Border Version: 10/19/07

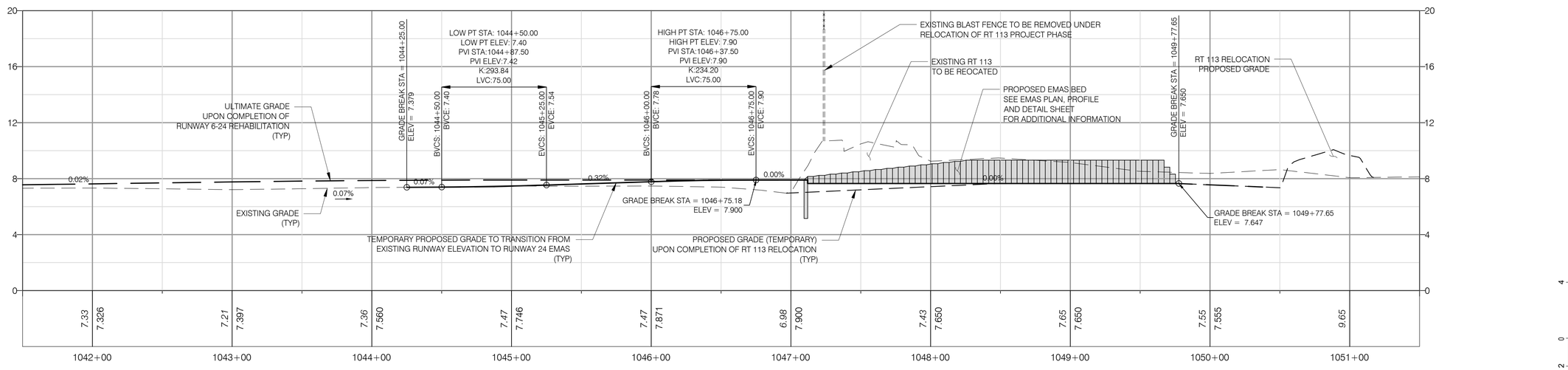


RUNWAY 24 EMAS SUPPORT SLAB TYPICAL SECTION:
STA 1046+77.00 TO 1047+09.41 AND STA 1047+12.00 TO 1049+80.22

NOT TO SCALE

NOTES:

1. SLOPES VARY. "TYPICAL" SLOPE IS 1.25%. SEE CROSS SECTIONS FOR EXACT SLOPES. OFF-PAVEMENT SLOPES MUST BE BETWEEN 3.00% AND 5.00% FOR THE FIRST 10 FEET, AFTER WHICH THEY MUST BE BETWEEN 1.50% AND 3.00%.
2. PCC PAVEMENT LOCATED BENEATH EXISTING ASPHALT FROM STA 1044+77 TO STA 1046+77. THESE STATIONS ARE BASED ON HISTORICAL AS-BUILT DATA AND MAY NOT BE REPRESENTATIVE OF ACTUAL CONDITIONS. THE INTENT OF DESIGN IS TO LEAVE THIS MATERIAL IN PLACE UNTIL FUTURE FULL-DEPTH RECONSTRUCTION OF THE RUNWAY (SEE VOLUME 3). SHOULD FIELD CONDITIONS VARY, THE ENGINEER SHALL MAKE THE FINAL DETERMINATION REGARDING THE REMOVAL OF THIS MATERIAL.
3. 1.5" DROP REQUIRED AT EDGE OF ALL AIRCRAFT PAVEMENTS TO PROMOTE DRAINAGE.



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DESIGNER/DRAFTER: K. MCCUTCHAN
CHECKED BY: G. D'AMICO
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

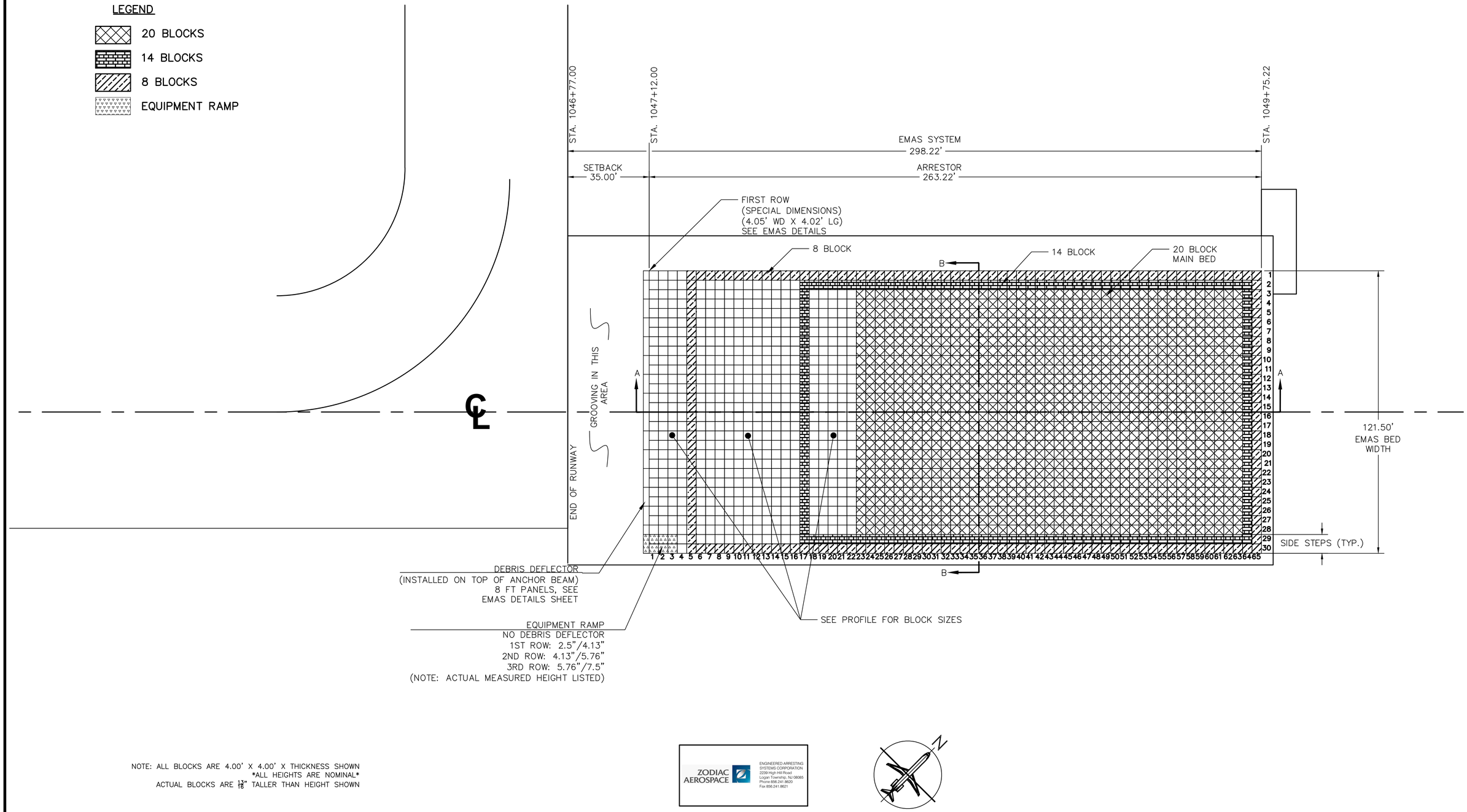
DRAWING TITLE: TYPICAL SECTIONS 2

PROJECT NO.: 15-336
DRAWING NO.: TYP-4.02
SHEET NO.: 04.005

Border Version: 10/19/07

LEGEND

- 20 BLOCKS
- 14 BLOCKS
- 8 BLOCKS
- EQUIPMENT RAMP



NOTE: ALL BLOCKS ARE 4.00' X 4.00' X THICKNESS SHOWN
ALL HEIGHTS ARE NOMINAL
ACTUAL BLOCKS ARE $\frac{13}{16}$" TALLER THAN HEIGHT SHOWN

ZODIAC AEROSPACE
ENGINEERED ARRESTING SYSTEMS CORPORATION
2239 High Hill Road
Logan Township, NJ 08085
Phone 856.241.8620
Fax 856.241.8621

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: T. BUZINKSKI
CHECKED BY: J. BOSCO
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

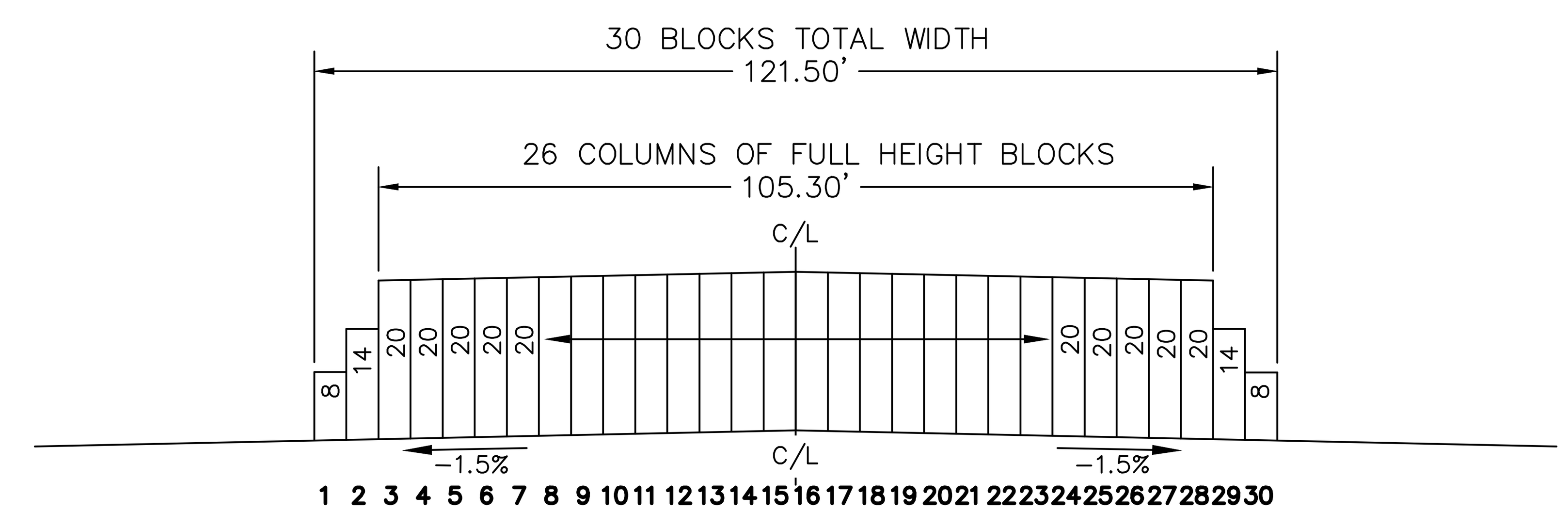
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

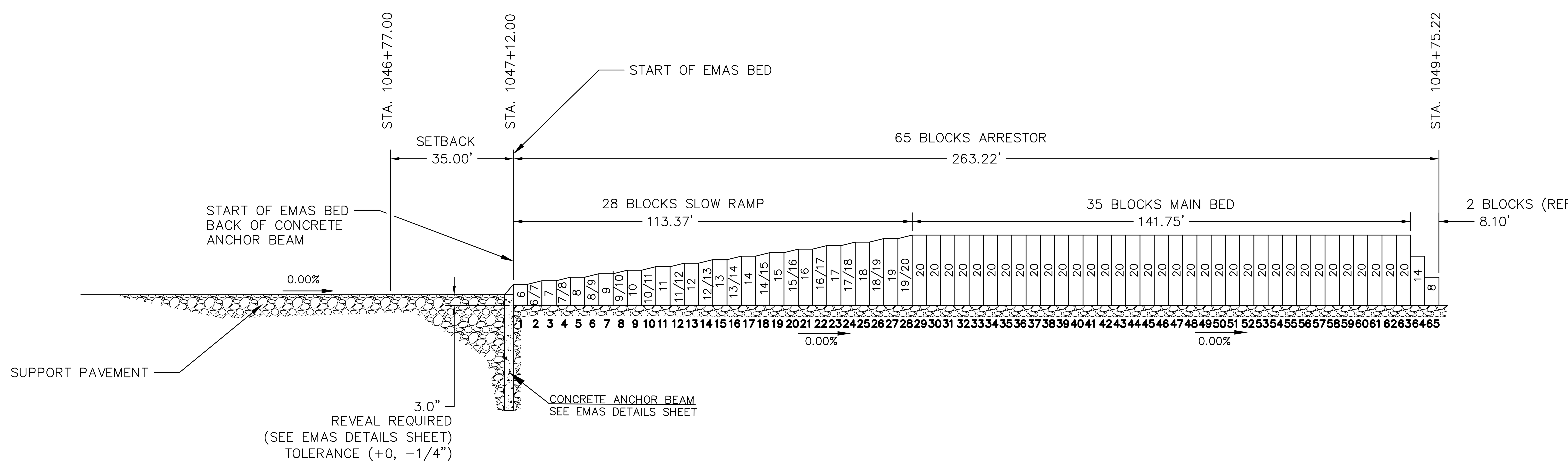
DRAWING TITLE: EMAS DETAILS 1

PROJECT NO. 15-336
DRAWING NO. MDS-4.01
SHEET NO. 04.006

Border Version: 10/19/07



SECTION A–A
FROM EMAS BLOCK LAYOUT
SCALE: N.T.S.



SECTION B–B
FROM EMAS BLOCK LAYOUT
SCALE: N.T.S.

ZODIAC AEROSPACE
ENGINEERED ARRESTING SYSTEMS CORPORATION
2239 High Hill Road
Logan Township, NJ 08085
Phone 856.241.8620
Fax 856.241.8621

NOTE: ALL BLOCKS ARE 4.00' X 4.00' X THICKNESS SHOWN
ALL HEIGHTS ARE NOMINAL
ACTUAL BLOCKS ARE $\frac{13}{16}$" TALLER THAN HEIGHT SHOWN

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: T. BUZINKSKI
CHECKED BY: J. BOSCO
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
Filename:

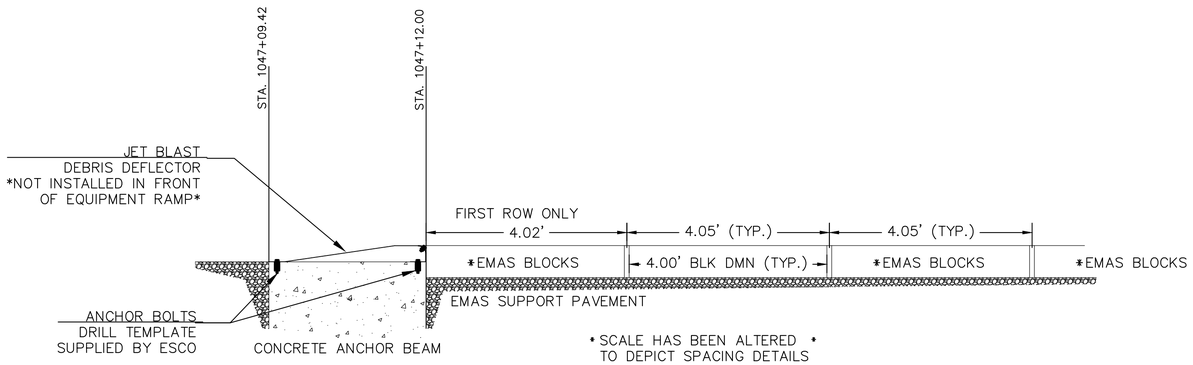
SIGNATURE/ BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD
DRAWING TITLE: EMAS DETAILS 2

PROJECT NO. 15-336
DRAWING NO. MDS-4.02
SHEET NO. 04.007

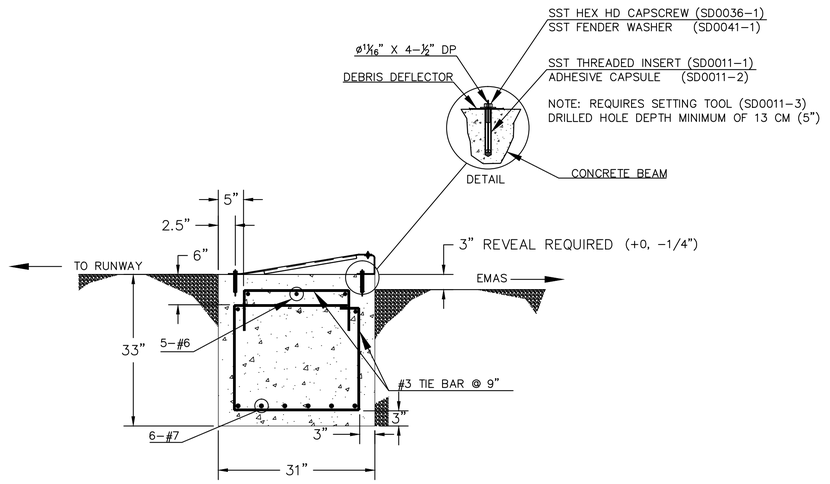
Border Version: 10/19/07



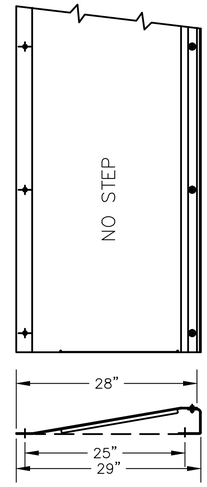
ANCHOR BEAM–DEBRIS DEFLECTOR LAYOUT
SCALE: N.T.S.

NOTE:
BLAST DEFLECTOR & MOUNTING
BOLTS TO BE SUPPLIED BY ESCO

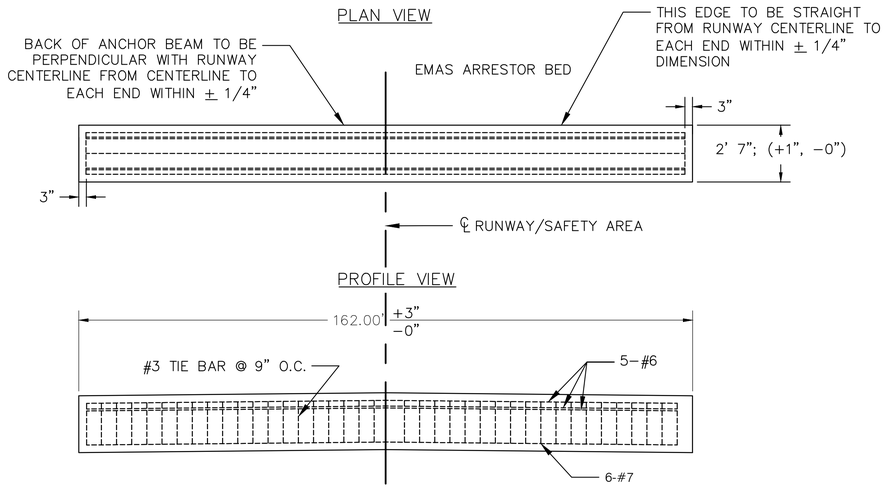
ESCO WILL SUPPLY BLOCK SPACER &
DRILL TEMPLATE FOR INSTALLATION



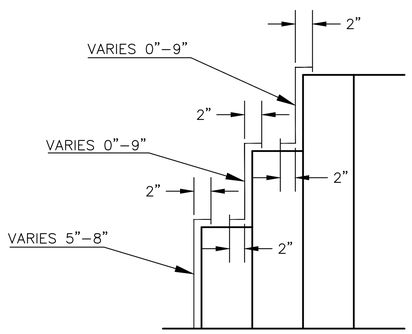
CONCRETE ANCHOR BEAM DETAIL
ALL BARS SHALL BE ASTM–A615, GRADE 60 (TYP.)
SEE P–610 IN SPEC FOR MORE INFO
SCALE: N.T.S.



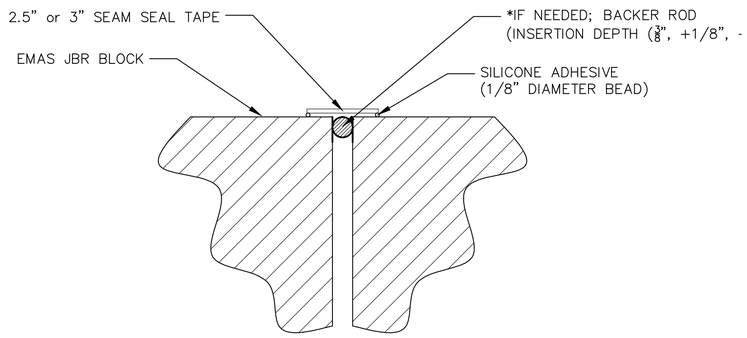
TYP. DEBRIS DEFLECTOR ASSEM
NOTE: ESCO WILL SUPPLY A METAL DR
PLATE FOR ALIGNING DRILLED HOL
SCALE: N.T.S.



CONCRETE ANCHOR BEAM REBAR DETAIL
ALL BARS SHALL BE ASTM–A615, GRADE 60 (TYP.)
SEE P–610 IN SPEC FOR MORE INFO
SCALE: N.T.S.



TYP. SILICONE SIDE COATING
APPROXIMATELY 2,000 NET SQ. FT. OF EXTRUDED
SILICONE SIDE COATING APPLIED TO VERTICAL
SURFACES.
SCALE: N.T.S.



TYP. JOINT SEALING
ESCO WILL SUPPLY SPECIALTY TAPE.
SCALE: N.T.S.

ZODIAC AEROSPACE
ENGINEERED ARRESTING SYSTEMS CORPORATION
2239 High Hill Road
Logan Township, NJ 08085
Phone 856.241.8620
Fax 856.241.8621

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: T. BUZINKSKI
CHECKED BY: J. BOSCO
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: EMAS DETAILS 3

PROJECT NO.: 15-336
DRAWING NO.: MDS-4.03
SHEET NO.: 04.008

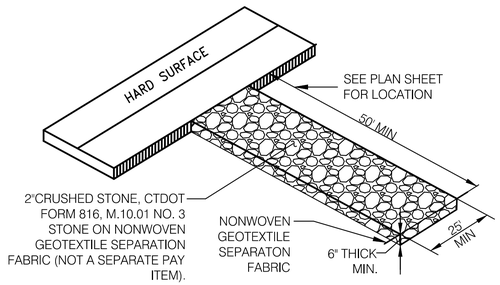
Border Version: 10/19/07

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

1. SEE EROSION AND SEDIMENT CONTROL PLAN FOR LOCATION OF SEDIMENT DEVICE INSTALLATION.
2. IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL CONFORM TO THE CONTRACT DRAWINGS AND SPECIFICATIONS OR TO THE CTDEEP "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," REVISED 2002, WHICHEVER IS MORE STRINGENT.
3. CONSTRUCTION ENTRANCES, PERIMETER SEDIMENTATION BARRIERS AND PROTECTION AT EXISTING INLETS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL CONTROL MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER.
5. AREAS DISTURBED BY CONSTRUCTION WHICH WILL NOT BE COVERED BY PAVEMENT SHALL BE PROVIDED WITH A PERMANENT OR TEMPORARY VEGETATIVE COVER OR MULCHED. THE COVER SHALL BE PROVIDED WITHIN A REASONABLE TIME PERIOD, AS DETERMINED BY THE ENGINEER.
6. SEDIMENT AND DEBRIS TRAPPED BY SEDIMENT BARRIERS SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE ENGINEER WHEN IT REACHES ONE HALF THE HEIGHT OF THE BARRIER.
7. PROVISIONS SHALL BE MADE TO SAFELY CONDUCT SURFACE RUNOFF TO PROTECTED STORM DRAINS OR PROTECTED OUTLETS TO ENSURE THAT SURFACE RUNOFF WILL NOT DAMAGE SLOPES OR OTHER GRADED AREAS.
8. SEDIMENTATION BARRIERS SHALL BE INSTALLED AS CONSTRUCTION PROCEEDS AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN, ALL AS NECESSARY TO CONTAIN SEDIMENTATION TRANSPORT.
9. SIDE SLOPES OF STOCKPILED MATERIALS SHALL NOT EXCEED TWO HORIZONTAL TO ONE VERTICAL.
10. ALL EROSION CONTROLS MUST REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE ENGINEER.

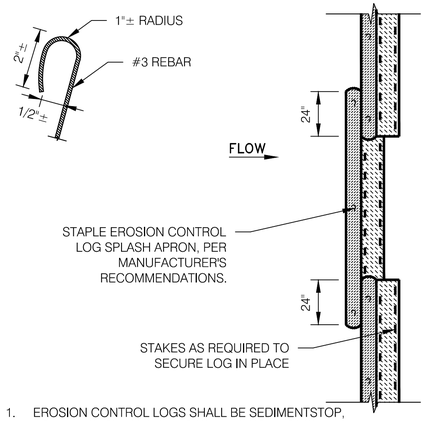
SOIL EROSION AND SEDIMENTATION CONTROL CONSTRUCTION SEQUENCE

1. HOLD PRECONSTRUCTION MEETING, (CONTACT CALL BEFORE YOU DIG 1-800-922-4455).
2. INSTALL CONSTRUCTION ENTRANCE.
3. INSTALL EROSION AND SEDIMENT CONTROLS, AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THE E&S PLAN.
4. PROCEED WITH MILLING AND INITIAL PAVING OPERATIONS IN ACCORDANCE WITH THE PHASING PLANS.
5. PROCEED WITH FINAL PAVING OPERATIONS IN ACCORDANCE WITH THE PHASING PLANS.
6. PLACE ADDITIONAL TOPSOIL TO FINAL GRADE, SEED AND MULCH AT DISTURBED AND REGRADED AREAS ALONG THE RUNWAY AND TAXIWAYS, AS FINAL PAVING PROCEEDS.
7. AFTER SITE HAS BEEN STABILIZED, REMOVE EROSION CONTROL MEASURES, AS DIRECTED BY THE ENGINEER.



STABILIZED CONSTRUCTION ENTRANCE

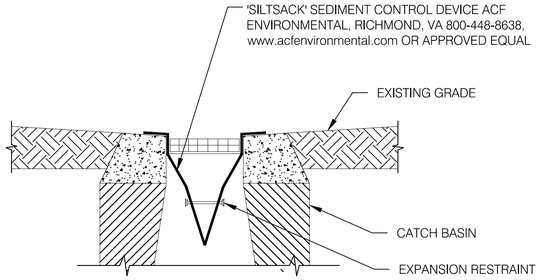
NOT TO SCALE



1. EROSION CONTROL LOGS SHALL BE SEDIMENTSTOP, AS MANUFACTURED BY NORTH AMERICAN GREEN, OR APPROVED EQUAL.
2. STAKES SHALL BE #3 REBAR DRIVEN SO THAT TOP OF STAKE PROTRUDES LESS THAN 3" ABOVE GROUND.

SEDIMENT AND EROSION CONTROL LOG

NOT TO SCALE



SILT SACK TO REMAIN IN CATCH BASIN UNTIL PROJECT COMPLETION OR WHEN DIRECTED TO BE REMOVED BY THE ENGINEER.

SEDIMENT AND EROSION CONTROL SILT SACK INLET PROTECTION

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN/J. JENKINS
CHECKED BY: G. D'AMICO
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

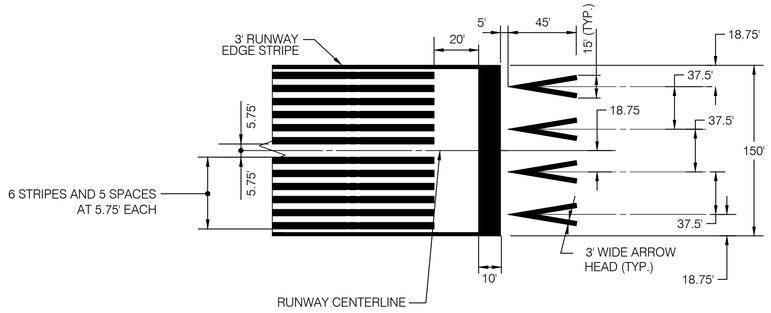
PROJECT TITLE: RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: EROSION AND SEDIMENT CONTROL DETAILS

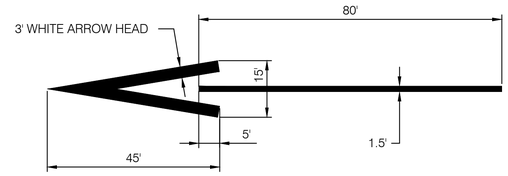
PROJECT NO.: 15-336
DRAWING NO.: MDS-4.04
SHEET NO.: 04.009

Border Version: 10/19/07



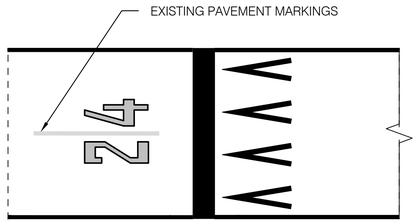
RUNWAY 24 DISPLACED THRESHOLD MARKING DETAIL

NOT TO SCALE



DISPLACED THRESHOLD ARROW DETAIL

NOT TO SCALE



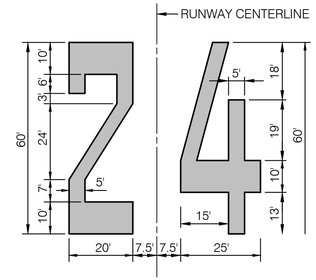
NOTES:

1. REMOVE EXISTING PAINT WHICH CONTRASTS WITH TEMPORARY MARKING BY SANDBLAST OR WATERBLAST TO THE SATISFACTION OF THE ENGINEER.

2. TEMPORARY THRESHOLD MARKING WILL BE USED IF A TEMPORARY DISPLACED THRESHOLD IS NECESSARY, AS DETERMINED BY THE ENGINEER. THE WORK WILL BE PAID FOR UNDER TEMPORARY MARKING WHEN AUTHORIZED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE WHEN THE TEMPORARY THRESHOLD IS REQUIRED BECAUSE OF THE CONTRACTOR'S FAILURE TO OPEN THE RUNWAY ON TIME.

TEMPORARY THRESHOLD DETAIL

NOT TO SCALE



RUNWAY 24 DESIGNATION MARKING DETAILS

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: J. BRENNAN
CHECKED BY: G. D'AMICO
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

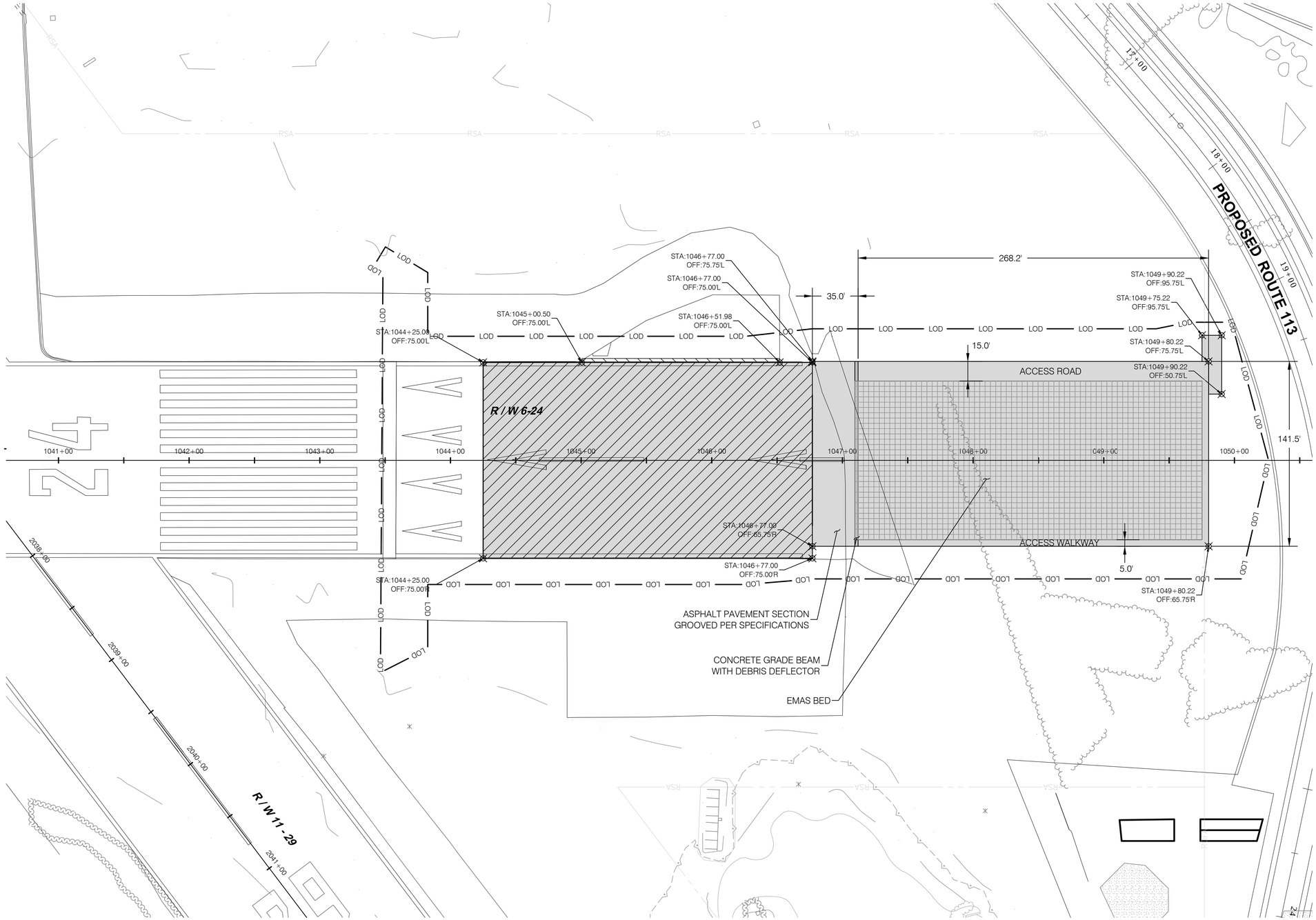
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: PAVEMENT MARKING DETAILS

PROJECT NO.: 15-336
DRAWING NO.: MDS-4.05
SHEET NO.: 04.010

Border Version: 10/19/07



LEGEND

- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- TOFA — TAXIWAY OBJECT FREE AREA
- GSCA — GLIDE SLOPE CRITICAL AREA
- VORCA — VOR CRITICAL AREA
- TIDAL VEGETATION
- LCSTV — LANDS CAPABLE OF SUPPORTING TIDAL VEGETATION
- HTL/CJL — HIGH TIDE LINE/COASTAL JURISDICTIONAL LINE (ELEV. 5.9 FT.)
- MHW — MEAN HIGH WATER (ELEV. 4.24 FT.)
- LOD — LIMITS OF PHASE DISTURBANCE

PAVING LEGEND

- NEW BITUMINOUS PAVEMENT CONSTRUCTION (SUPPORT SLAB)
- COLD PLANING (MILLING) AND BITUMINOUS OVERLAY
- EMAS BLOCKS

NOTES

1. SEE VOLUME 3 FOR FUTURE WIDTH OF RUNWAY

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN
CHECKED BY: G. D'AMICO
SCALE IN FEET 0 40 80
SCALE 1" = 40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

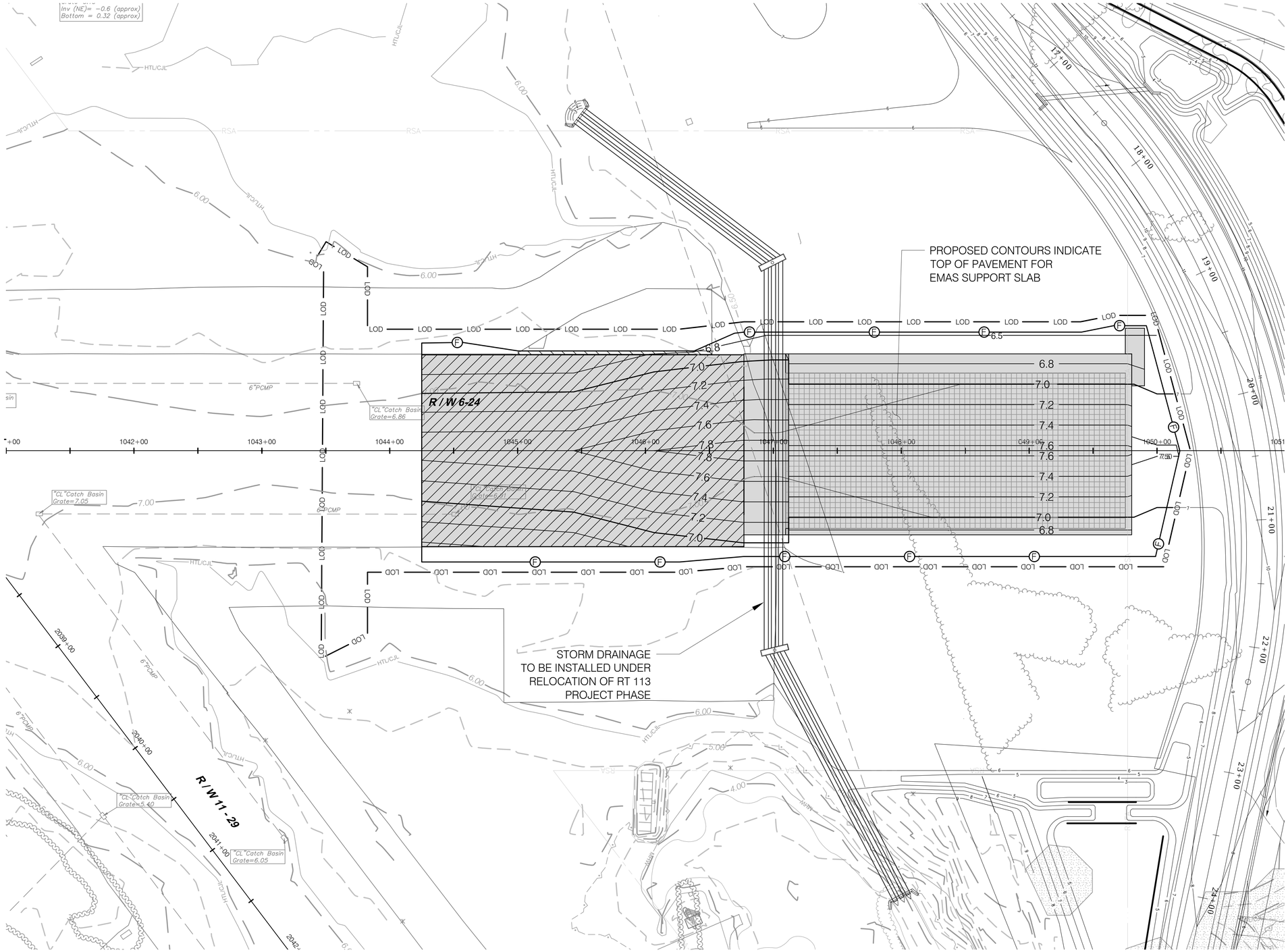
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: EMAS GEOMETRY PLAN

PROJECT NO. 15-336
DRAWING NO. APT-4.01
SHEET NO. 04.011

Border Version: 10/19/07



CONNECTICUT COORDINATE GRID

LEGEND

RSA — RSA	RUNWAY SAFETY AREA
ROFA · · ROFA	RUNWAY OBJECT FREE AREA
TOFA · · · TOFA	TAXIWAY OBJECT FREE AREA
GSCA — GSCA	GLIDE SLOPE CRITICAL AREA
VORCA — VORCA	VOR CRITICAL AREA
	TIDAL VEGETATION
LCSTV LCSTV LCSTV	LANDS CAPABLE OF SUPPORTING TIDAL VEGETATION
HTL/CJL HTL/CJL HTL/CJL	HIGH TIDE LINE/COASTAL JURISDICTIONAL LINE (ELEV. 5.9 FT.)
MHW MHW MHW	MEAN HIGH WATER (ELEV. 4.24 FT.)
LOD — LOD	LIMITS OF PHASE DISTURBANCE

NOTES

1. DURING THIS PHASE INSTALL ALL CONDUITS AND THRESHOLD LIGHTS FOR THE FUTURE RUNWAY THAT ARE LOCATED WITHIN LIMITS OF PAVEMENT SHOWN ON THIS PLAN.
2. UPON COMPLETION OF THIS PHASE PROVIDE ON-GRADE TEMPORARY THRESHOLD LIGHTS, INCLUDING TEMPORARY CONDUITS AND WIRING.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN
CHECKED BY: G. D'AMICO
SCALE IN FEET 0 40 80
SCALE 1" = 40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

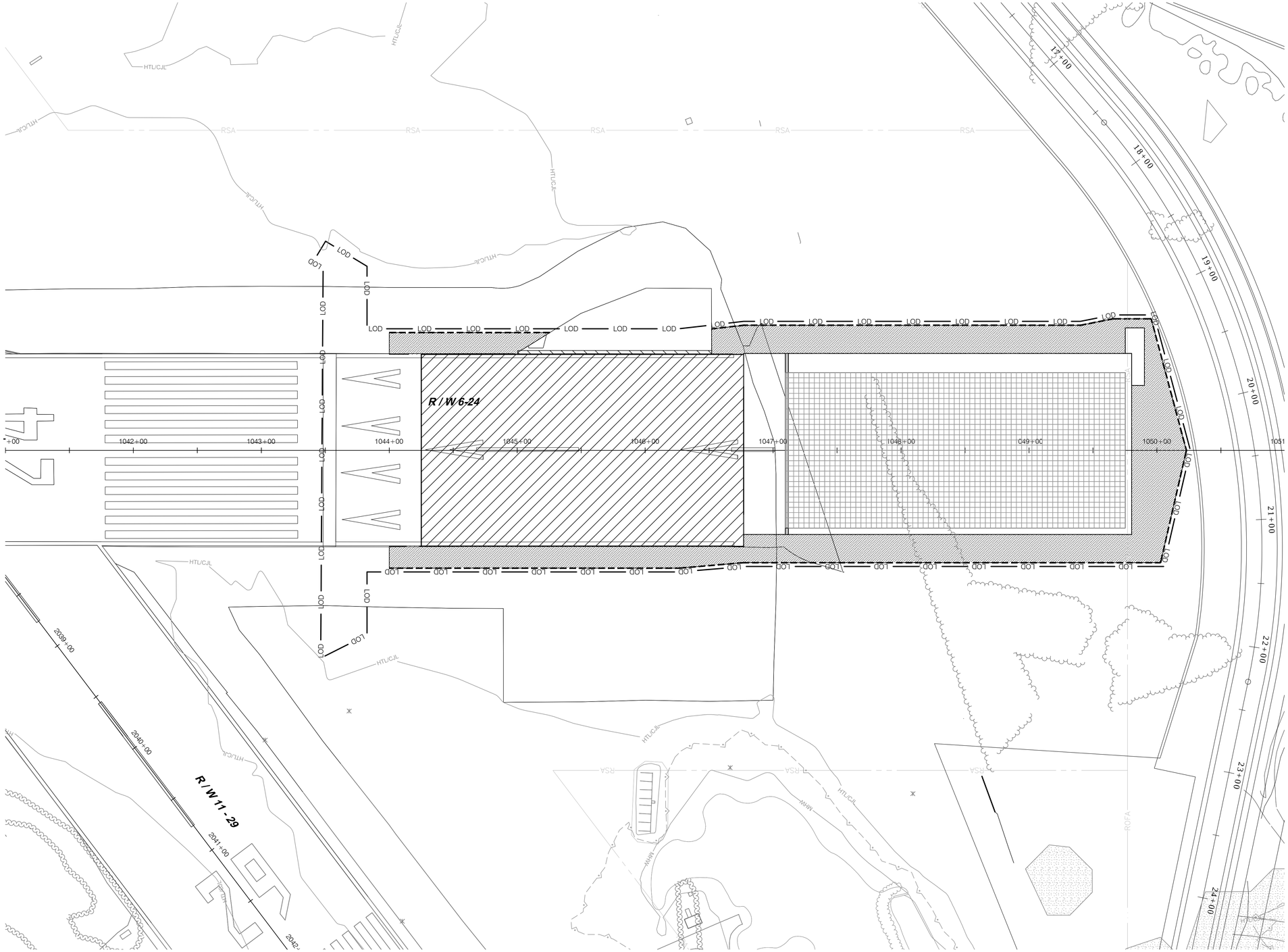
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: GRADING AND DRAINAGE PLAN

PROJECT NO. 15-336
DRAWING NO. DRG-4.01
SHEET NO. 04.012

Border Version: 10/19/07



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN/J. JENKINS
CHECKED BY: G. D'AMICO
SCALE IN FEET 0 40 80
SCALE 1" = 40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE:
EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO. 15-336
DRAWING NO. SED-4.01
SHEET NO. 04.013

Border Version: 10/19/07

MATCH EXISTING RUNWAY EDGE MARKING AT STA 1041+70 (TYP.)

3' WHITE RUNWAY EDGE MARKING (TYP.)

3' YELLOW DEMARCATION BAR

3' YELLOW CHEVRON (TYP.)

REFRESH EXISTING WHITE THRESHOLD MARKINGS

R / W 6-24

R / W 11-29

DISPLACED THRESHOLD - STA. 1043+58.32

END RUNWAY - STA. 1046+77

WHITE DISPLACED THRESHOLD ARROWS (SEE DETAIL)

WHITE MARKINGS

YELLOW MARKINGS

REFRESH EXISTING WHITE DISPLACEMENT ARROWS AND THRESHOLD BAR

20.0'

10.0'

50.0'

100.0'

40.0'

80.0'

80.0'

45°

3.0'

5.0'

1041+00

1044+00

1045+00

1046+00

1047+00

1048+00

1049+00

1050+00

2038+00

2039+00

2040+00

2041+00

2042+00

17+00

18+00

19+00

24+00

RSA

ROFA

MHW

HTL/CJL

LOD

LEGEND

RSA	RUNWAY SAFETY AREA
ROFA	RUNWAY OBJECT FREE AREA
TOFA	TAXIWAY OBJECT FREE AREA
GSCA	GLIDE SLOPE CRITICAL AREA
VORCA	VOR CRITICAL AREA
	TIDAL VEGETATION
LCSTV	LANDS CAPABLE OF SUPPORTING TIDAL VEGETATION
HTL/CJL	HIGH TIDE LINE/COASTAL JURISDICTIONAL LINE (ELEV. 5.9 FT.)
MHW	MEAN HIGH WATER (ELEV. 4.24 FT.)
LOD	LIMITS OF PHASE DISTURBANCE

CONNECTICUT COORDINATE GRID

NOTES

1. ALL MARKINGS (WITH THE EXCEPTION OF BLACK OUTLINES) SHALL RECEIVE GLASS BEADS.
2. PERMANENT MARKING SHALL BE INSTALLED NO SOONER THAN 28 DAYS AFTER FINAL P-401 HAS BEEN PLACED. SEE SPECIFICATION P-620. TEMPORARY MARKINGS MAY BE INSTALLED IMMEDIATELY.
3. MARKING ON THE EMAS SHALL BE DONE WITH WALK-BEHIND SPRAYER OR MANUAL ROLLERS ONLY.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: J. BRENNAN

CHECKED BY: G. D'AMICO

SCALE IN FEET 0 40 80

SCALE 1" = 40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: PAVEMENT MARKING PLAN

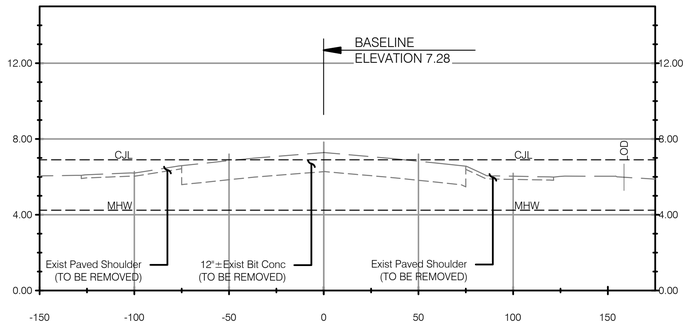
PROJECT NO. 15-336

DRAWING NO. PVT-4.01

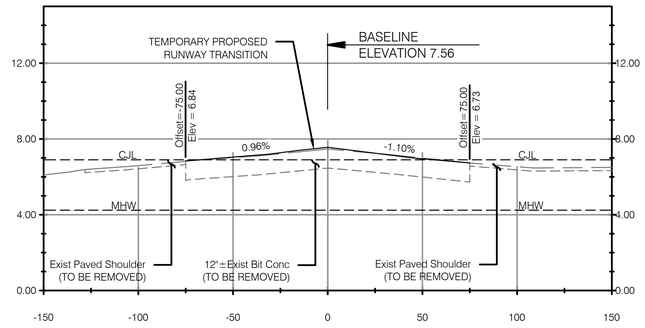
SHEET NO. 04.014

Border Version: 10/19/07

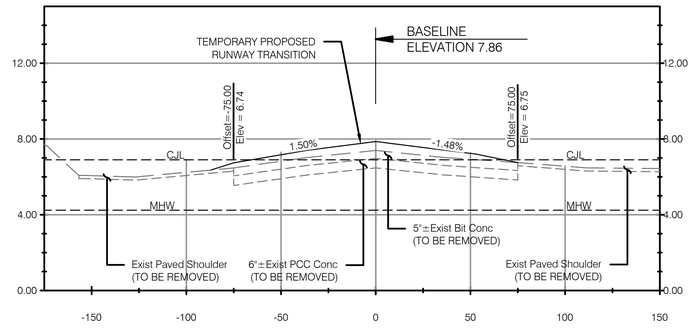
1043+50.00



1045+00.00



1046+50.00



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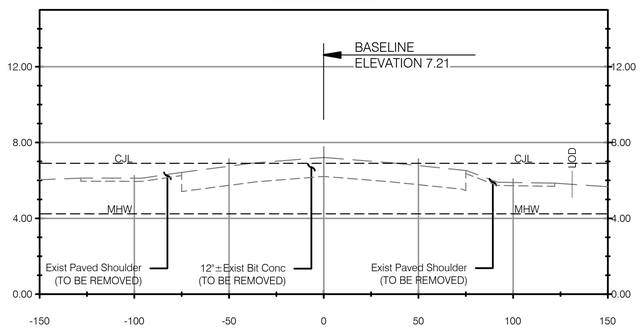

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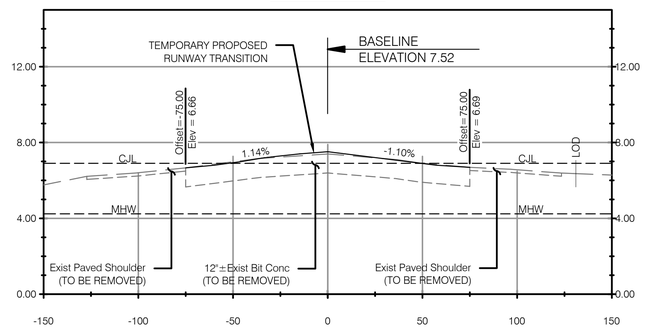

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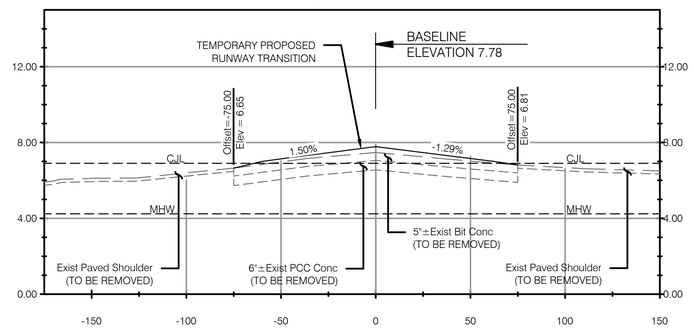

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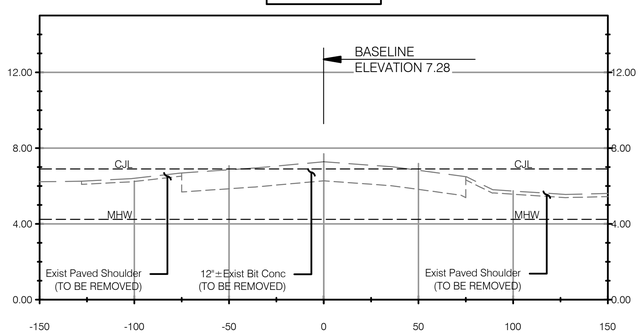

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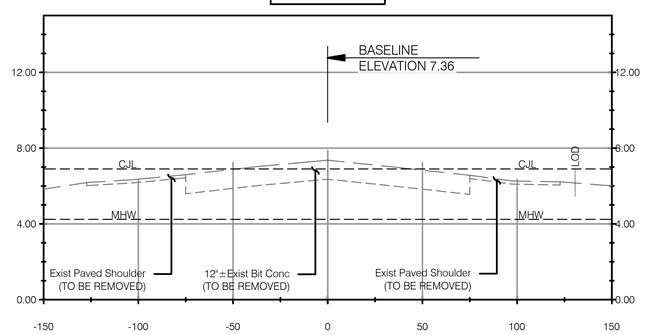

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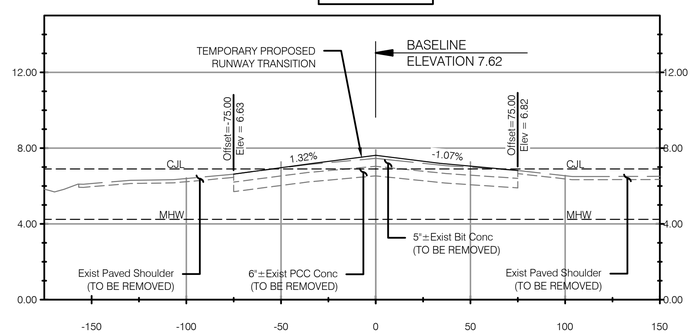

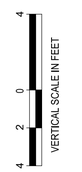

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN/J. JENKINS

CHECKED BY: G. D'AMICO

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE:
RUNWAY 6-24
CROSS SECTIONS 1

PROJECT NO. 15-336

DRAWING NO. XSC-4.01

SHEET NO. 04.015

Border Version: 10/19/07

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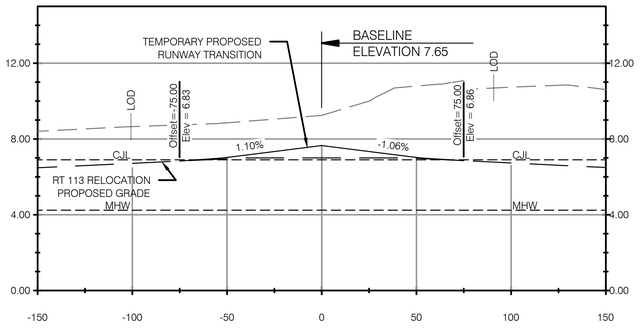

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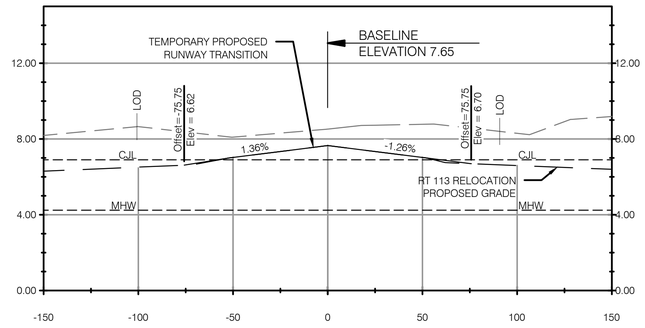

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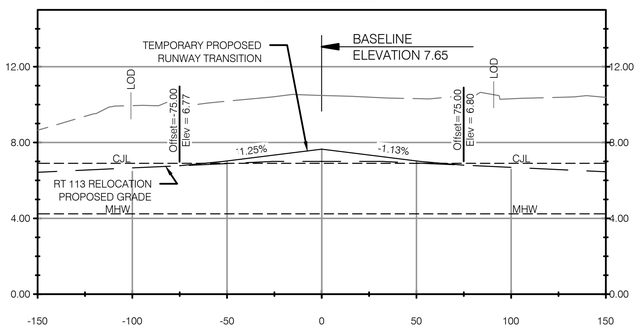

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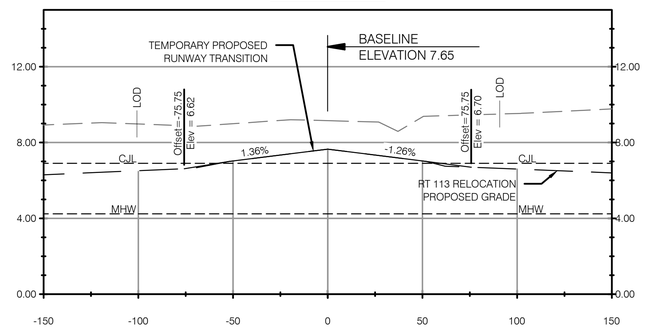

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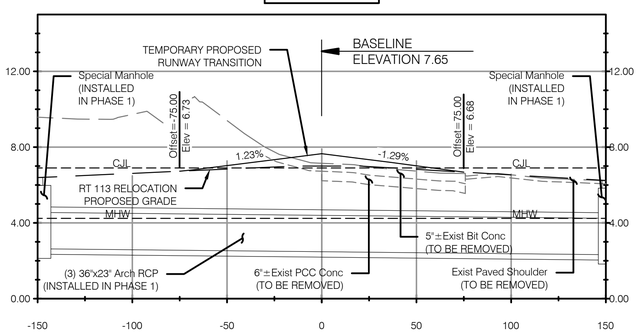

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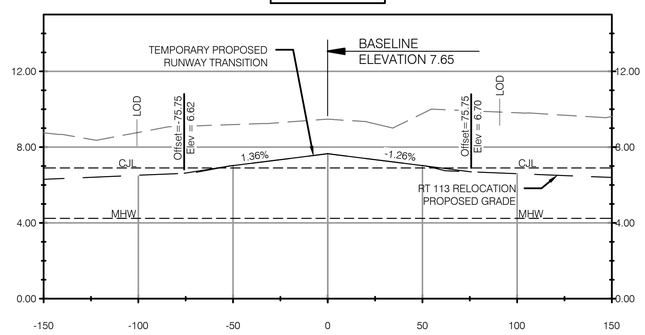

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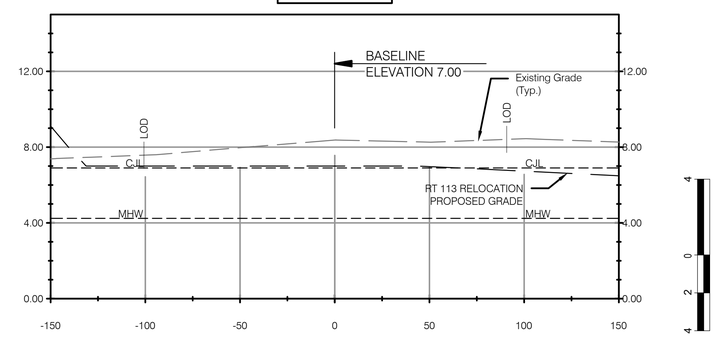


REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: K. MCCUTCHAN/J. JENKINS

CHECKED BY: G. D'AMICO

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: RUNWAY 6-24 CROSS SECTIONS 2

PROJECT NO. 15-336

DRAWING NO. XSC-4.02

SHEET NO. 04.016

Border Version: 10/19/07

GENERAL NOTES:

1. CONSTRUCTION AND MAINTENANCE BY OTHERS MAY OCCUR CONCURRENTLY AND IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH OTHER CONTRACTORS AND COOPERATE WITH THE MAINTENANCE CREWS WHEN WORKING ON THE PROJECT.

2. THREE WEEKS PRIOR TO REMOVAL OF EXISTING CABLES OR EXCAVATING IN AREA OF EXISTING UNDERGROUND CONDUITS THE CONTRACTOR SHALL MEET WITH AIRPORT OPERATIONS, THE FAA, AND THE ENGINEER TO DETERMINE TAXIWAY OR RUNWAY CLOSURE TIMES AND DURATIONS. THE CONTRACTOR SHALL ARRANGE FOR APPROPRIATE PERSONNEL TO BE ON SITE DURING WORK ON AIRFIELD ELECTRICAL CABLES. THE CONTRACTOR SHALL IDENTIFY AND MARK ALL AIRFIELD LIGHTING CABLES PRIOR TO ANY WORK.

3. PROTECTION OF AND REPAIR TO EXISTING CABLES; LOCATION OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND SHALL BE VERIFIED BY THE CONTRACTOR. REPAIR OF CONTRACTOR DAMAGED CABLES SHALL BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF AIRPORT OR FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE IN ACCORDANCE WITH AIRPORT OR FAA REQUIREMENTS AND IN THE PRESENCE OF AN AIRPORT OR FAA REPRESENTATIVES. THE AIRPORT OR FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.

4. ALL AIRFIELD LIGHTING CIRCUITS SHALL BE MAINTAINED BY THE CONTRACTOR DURING OPERATIONAL PERIODS. SEE SPECIFICATION SECTION L-108.

5. INSTALL PULL ROPE IN ALL EMPTY CONDUITS,

6. CONTRACTOR IS RESPONSIBLE FOR PATCHING PAVEMENT AFFECTED BY PROPOSED DUCT SYSTEM OR CONDUIT INSTALLATION. SEE PAVEMENT DETAILS SHEET FOR APPROPRIATE DETAILS.

7. THE CONTRACTOR SHALL THOROUGHLY INSPECT THE SITE PRIOR TO CONSTRUCTION TO VERIFY EXISTING CONDITIONS AND SHALL PROVIDE ALL NECESSARY STAKE OUT OF LINE AND GRADE FOR CONDUIT FOR THE ENGINEER'S APPROVAL PRIOR TO EXCAVATION.

8. THE CONTRACTOR SHALL STAKE OUT EACH LIGHT BASE FOR THE ENGINEERS APPROVAL PRIOR TO EXCAVATION.

9. IN THE EVENT ANY OBSTRUCTIONS AND/OR UTILITIES NOT SHOWN ON THE PLANS ARE ENCOUNTERED DURING CONSTRUCTION ALL WORK SHALL STOP AND THE ENGINEER NOTIFIED PRIOR TO PROCEEDING WITH WORK.

10. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATIONS

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, SUPPORTING, AND PROTECTING EXISTING UTILITIES AND ALL NECESSARY COORDINATION. DAMAGE TO EXISTING FACILITIES (PIPING, CONDUIT, DUCTWORK, ELEVATED OR IN-PAVEMENT LIGHT, AIRFIELD SIGN, ETC.) SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.

12. DO NOT SCALE OFF THESE DRAWINGS. THE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND REQUIRE COORDINATION WITH ALL OTHER TRADES AND VERIFICATION OF EXISTING CONDITIONS. ROUTING OF CONDUIT IS DIAGRAMMATIC IN NATURE AND NOT INTENDED TO SHOW ALL REQUIRED OFFSETS AND DETAILS. SEE DRAINAGE PLANS DETAILS FOR INFORMATION ON DRAINAGE, AND DRAINAGE PLANS FOR INFORMATION ON WATER LINES, PROFILES.THE CONTRACTOR IS RESPONSIBLE FOR BRINGING TO THE ATTENTION OF THE ENGINEER AND THE AIRPORT ALL CONFLICTS PRIOR TO PERFORMING EXCAVATION AND INSTALLATION OPTIONS.

13. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS ARE FURTHER DEFINED IN THE SECTION TITLED, "GENERAL CONSTRUCTION AND SAFETY NOTES.

14. SEE PHASING PLANS FOR SEQUENCE OF ELECTRICAL WORK.

15. ALL FIXTURE, EQUIPMENT AND STRUCTURE LOCATIONS AND ELEVATIONS QUOTED IN THESE DOCUMENTS MUST BE VERIFIED AND ADJUSTED IF NECESSARY BY THE CONTRACTOR TO AVOID ANY UNFORESEEN OBSTRUCTIONS AND TO COMPLY WITH ALL REQUIREMENTS OF THE FAA.

16. THE CONTRACTOR SHALL PERFORM ALL NECESSARY LOCKOUT/TAGOUT PROCEDURES PER OSHA STANDARD 29 CFR 1910.147 PRIOR TO PERFORMING WORK ON AFFECTED ELECTRICAL CIRCUITS.

ELECTRICAL SCOPE OF WORK:

THE GENERAL SCOPE OF WORK FOR THIS PROJECT IS TO :

1. REMOVE EXISTING AND PROVIDE NEW ELEVATED RUNWAY THRESHOLD LIGHTS FOR RUNWAY 24 THRESHOLD.

2. PROVIDE NEW L-867B LIGHT BASE AND CONDUIT FOR FUTURE RUNWAY 24 THRESHOLD LIGHT

3. PROVIDE NEW UNDERGROUND CONDUIT AND CABLE FOR RUNWAY 6 THRESHOLD .

4. REMOVE EXISTING RUNWAY 6 REIL POWER AND CONTROL CABLES AND PROVIDE NEW CONDUIT, POWER AND CONTROL CABLES AND CONNECT TO EXISTING RUNWAY 6 REIL.

DEFINITIONS:

1. HOMERUN CIRCUIT: WIRING BETWEEN THE ELECTRICAL VAULT AND THE FIRST LOAD.

2. CIRCUIT CONDUCTOR: WIRING BETWEEN LOADS.

2. PROVIDE: FURNISH AND INSTALL.

ELECTRICAL DEMOLITION GENERAL NOTES:

1. PRIOR TO REMOVAL OF ANY WIRING OR CONDUIT SYSTEM, THE CONTRACTOR SHALL VERIFY WIRING IS INACTIVE AND/OR PROVISIONS HAVE BEEN MADE TO RE-ROUTE AND RE-ESTABLISH ACTIVE CIRCUITRY.

2. PRIOR TO REMOVAL OF ANY AIRFIELD ELECTRICAL FIXTURE, COMPONENT, ETC. THE CONTRACTOR IS RESPONSIBLE FOR EVALUATING THE CONDITION OF THE ITEM AND REPORTING IN WRITING ANY DAMAGE TO THE RESIDENT ENGINEER PRIOR TO IT'S REMOVAL. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY EQUIPMENT DAMAGED AFTER REMOVAL OF THE ITEM.

3. REMOVED LIGHT FIXTURES, IF NOT TO BE REINSTALLED, ARE TO BE TURNED OVER TO THE AIRPORT AND DELIVERED TO A LOCATION SPECIFIED BY THE AIRPORT ON AIRPORT PROPERTY.

4. THE CONTRACTOR IS RESPONSIBLE TO STORE AND PROTECT ANY FIXTURES OR EQUIPMENT TO BE RE-INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THE CONDITION OF EXISTING EQUIPMENT TO BE RE-INSTALLED. THE QUANTITY OF EXISTING FIXTURES TO BE RE-INSTALLED MUST BE VERIFIED BY THE CONTRACTOR, ALL FIXTURES AND EQUIPMENT REMOVED AND NOT SLATED FOR RE-INSTALLATION SHALL BE DISPOSED OF PER THE CONTRACT DOCUMENTS.

ABBREVIATIONS:

ABAN	ABANDON
ALT	ALTERNATE
C/L	CENTERLINE
CLR	CLEAR
ED	EDGE
HES	HIGH EARLY STRENGTH
HR	HOMERUN
HH	HANDHOLE
N.I.C.	NOT IN CONTRACT
REIL	RUNWAY END IDENTIFICATION LIGHT
RGS	RIGID GALVANIZED STEEL
R/W	RUNWAY
SCH	SCHEDULE
TDZ	TOUCHDOWN ZONE
T/W	TAXIWAY
UON	UNLESS OTHERWISE NOTED

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/06/2013

DESIGNER/DRAFTER: E. NEMAN/D. BAUMGARDNER
CHECKED BY: D. BAKER
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE:
ELECTRICAL GENERAL NOTES AND ABBREVIATIONS

PROJECT NO. 15-336
DRAWING NO. GPN-4.01
SHEET NO. 04.017

Border Version: 10/19/07

EXISTING LEGEND:

- ELEVATED TAXIWAY EDGE LIGHT- BASE MOUNTED
- ELEVATED RUNWAY EDGE LIGHT
- CABLE MARKER
- ELECTRICAL HAND HOLE
- COMMUNICATION HAND HOLE
- DUCT MARKER
- AIRFIELD GUIDANCE SIGN, SIGN NO. INDICATED
- IN-PAVEMENT RUNWAY EDGE LIGHT
- IN-PAVEMENT TAXIWAY CENTERLINE LIGHT
- REIL (RUNWAY END IDENTIFIER LIGHT)
- SURFACE MOUNTED REFLECTOR
- ELECTRICAL CONDUIT
- ELECTRICAL DUCT BANK, SIZE OF CONDUIT AND NUMBER OF DUCTS ARE INDICATED
- AIRFIELD GUIDANCE SIGN NUMBER
- VISUAL APPROACH SLOPE INDICATOR
- PRECISION APPROACH PATH INDICATOR

DEMOLITION LEGEND:

- REMOVE EXISTING ELEVATED RUNWAY THRESHOLD/ END LIGHT COMPLETE
- REMOVE EXISTING CABLES AND ABANDON UNDERGROUND CONDUIT IN PLACE

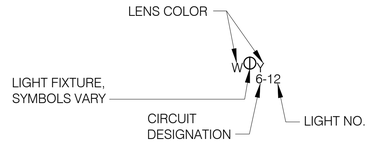
PROPOSED LEGEND:

- 2-INCH SCH 40-PVC CONCRETE ENCASED CONDUIT AND NO. 6 COUNTERPOISE WIRE ABOVE CONDUIT TICK MARKS INDICATE NO. OF #8 AWG, L-824, 5KV, TYPE B CABLE IN CONDUITM
- ELEVATED RUNWAY THRESHOLD END LIGHT
- DUCT MARKER
- L-867B LIGHT BASE WITH 1/2" STEEL COVER

NOTES

SEE SPECIFICATION L-108 FOR LOCATION OF COUNTERPOISE CABLE

LIGHTING SYMBOL CONVENTION:



LENS COLORS
'W' WHITE LENS
'R' RED LENS
'Y' YELLOW LENS
'G' GREEN LENS
'B' BLANK LENS

GENERAL NOTES:

1. SEE SHEET NO. GPN-01 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
2. SEE SHEETS APT-01 THRU APT-10 FOR PAVING AND GEOMETRY PLANS.
3. SEE SHEETS DRG-01 THRU DRG-10 FOR GRADING AND DRAINAGE PLANS.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/06/2013

DESIGNER/DRAFTER: E. NEMAN/D. BAUMGARDNER
CHECKED BY: D. BAKER
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

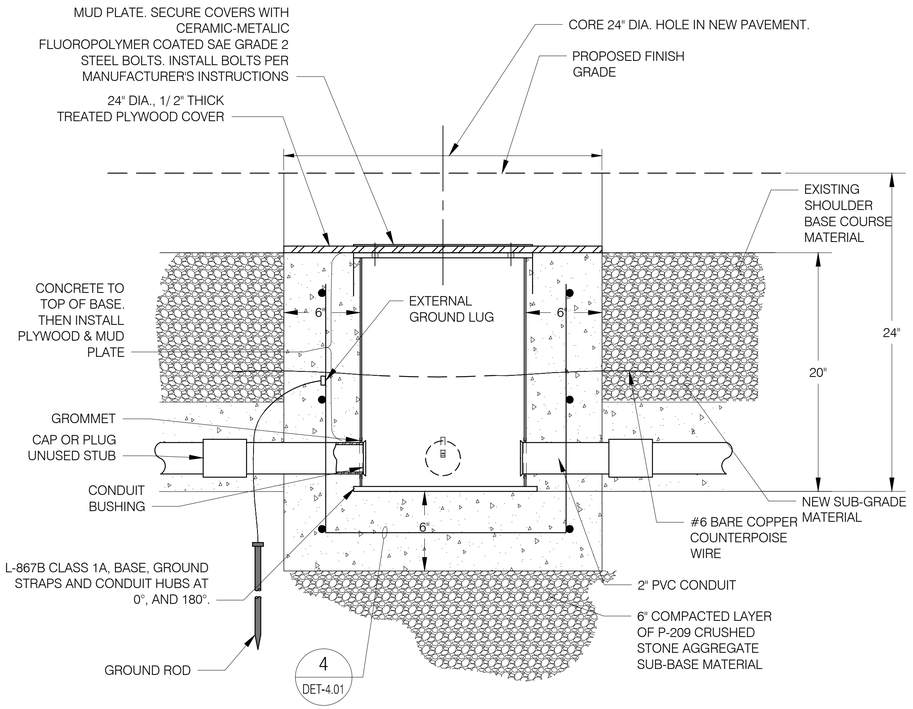
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

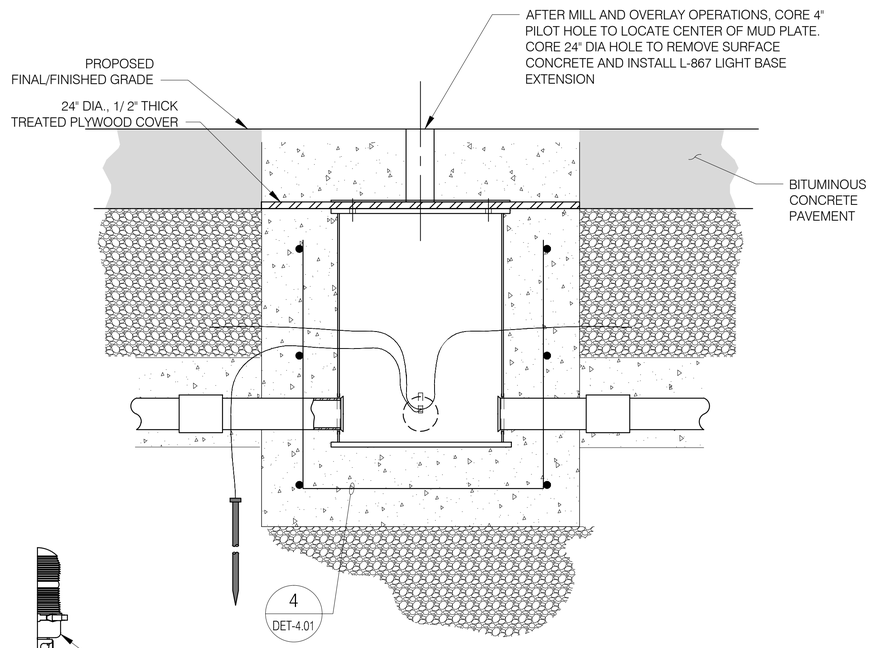
DRAWING TITLE: ELECTRICAL LEGENDS

PROJECT NO. 15-336
DRAWING NO. GPN-4.02
SHEET NO. 04.018

Border Version: 10/19/07



STEP 1



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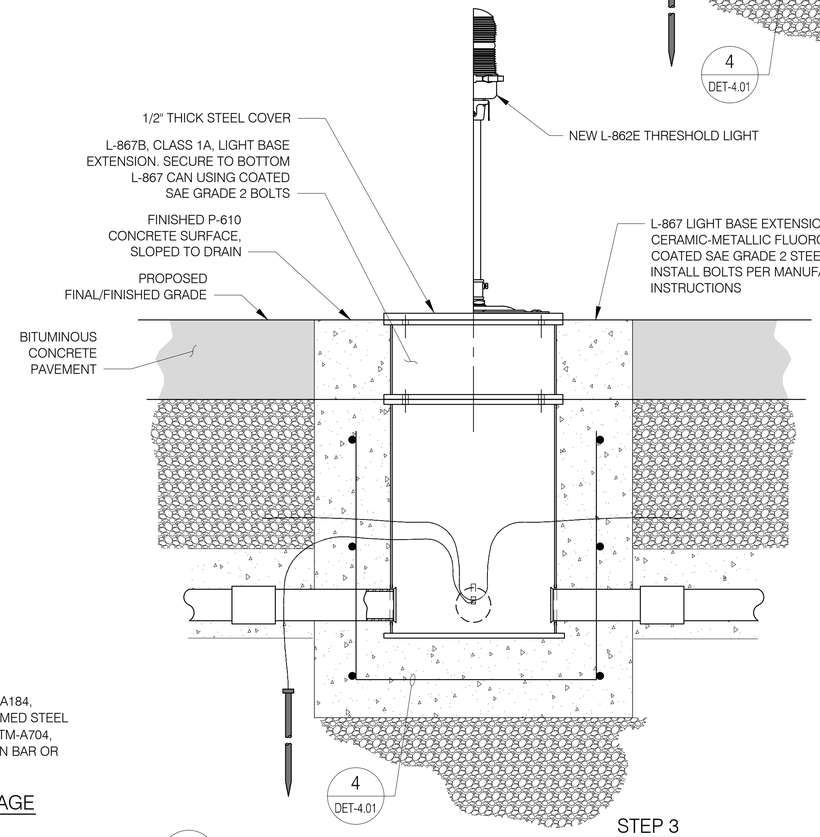
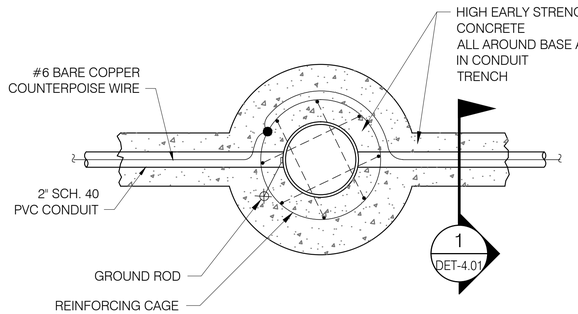


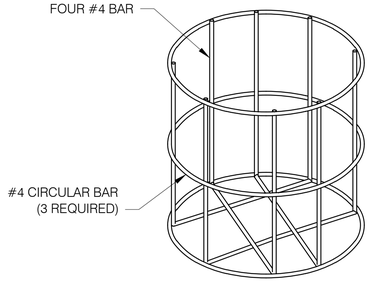
STEP 3

1 DET-4.01 DETAIL - EDGE LIGHT BASE IN NEW PAVEMENT
NOT TO SCALE

(STEP 1, STEP 2 & STEP 3)

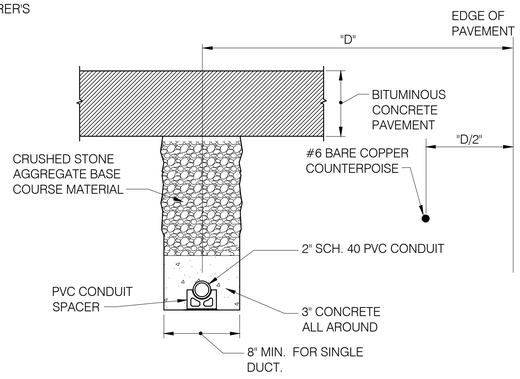


3 DET-4.01 DETAIL - PLAN - LIGHT BASE INSTALLATION
NOT TO SCALE



NOTE:
STEEL REINFORCEMENT SHALL CONFORM TO ASTM-A184, STANDARD SPECIFICATION FOR FABRICATED DEFORMED STEEL BAR MATS FOR CONCRETE REINFORCEMENT, OR ASTM-A704, STANDARD SPECIFICATION FOR WELDED STEEL PLAIN BAR OR ROD MATS FOR CONCRETE REINFORCEMENT.

4 DET-4.01 DETAIL - REINFORCING CAGE
NOT TO SCALE



2 DET-4.01 DETAIL-CONDUIT IN NEW PAVEMENT

NOTE:
"D" VERIES BETWEEN 10' OR 7'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: E. NEMAN/D. BAUMGARDNER
CHECKED BY: D. BAKER
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

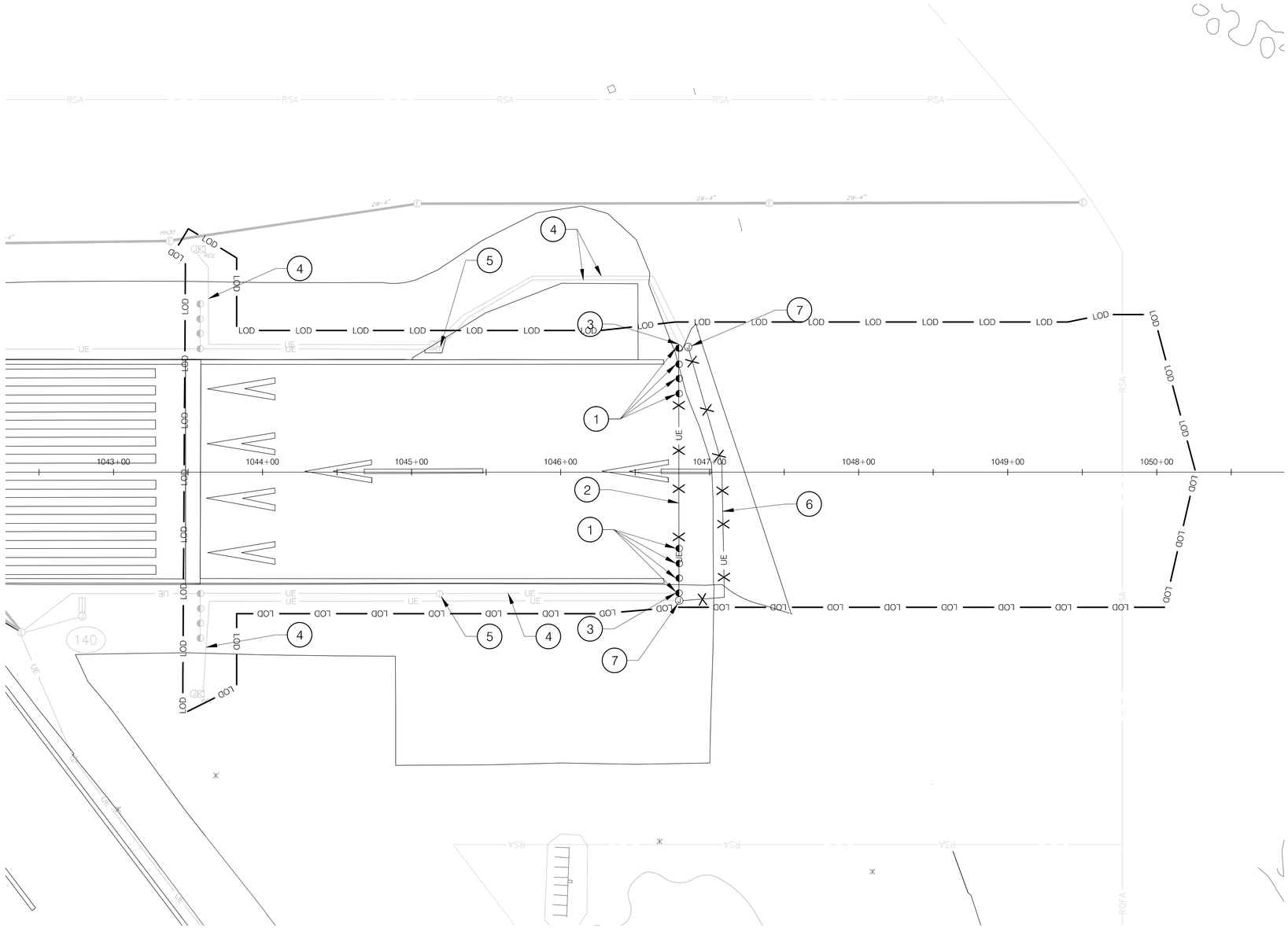
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: ELECTRICAL DETAILS

PROJECT NO. 15-336
DRAWING NO. DET-4.01
SHEET NO. 04.019

Border Version: 10/19/07



CONNECTICUT COORDINATE GRID

LEGEND

- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA
- TAXIWAY OBJECT FREE AREA
- GLIDE SLOPE CRITICAL AREA
- VOR CRITICAL AREA
- TIDAL VEGETATION
- LANDS CAPABLE OF SUPPORTING TIDAL VEGETATION
- HIGH TIDE LINE/COASTAL JURISDICTIONAL LINE (ELEV. 5.9 FT.)
- MEAN HIGH WATER (ELEV. 4.24 FT.)
- LIMITS OF PHASE DISTURBANCE

DRAWING NOTES:

1. REMOVE EXISTING ELEVATED THRESHOLD LIGHT FIXTURE AND ISOLATION TRANSFORMER. RECORD LENS COLOR AND ORIENTATION AND STORE FOR REINSTALLATION. REMOVE LIGHT BASE, CABLE, AND INTERCONNECTION CONDUIT.
2. REMOVE EXISTING CABLE AND CONDUIT.
3. CUT EXISTING CONDUIT AS REQUIRED FOR REMOVAL LIGHT BASE.
4. REMOVE EXISTING CABLE AND ABANDON CONDUIT IN PLACE.
5. DISCONNECT RUNWAY EDGE LIGHT CIRCUIT TOWARD THRESHOLD LIGHT.
6. REMOVE EXISTING REIL CONDUIT.
7. REMOVE EXISTING REIL JUNCTION CAN.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: E. NEMAN/D. BAUMGARDNER
CHECKED BY: D. BAKER
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

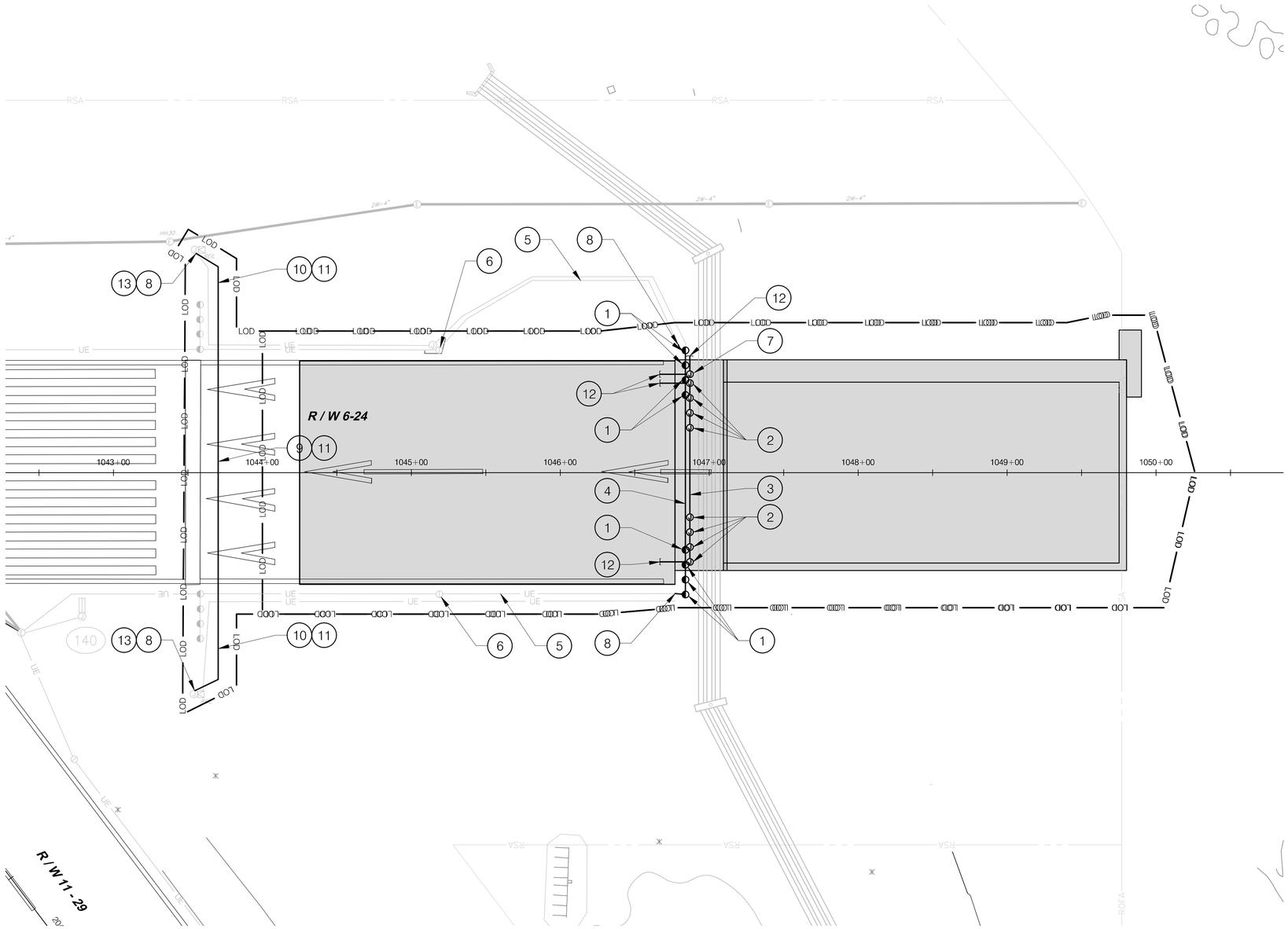
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN

PROJECT NO. 15-336
DRAWING NO. DMO-4.01
SHEET NO. 04.020

Border Version: 10/19/07



LEGEND

- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- TOFA — TAXIWAY OBJECT FREE AREA
- GSCA — GLIDE SLOPE CRITICAL AREA
- VORCA — VOR CRITICAL AREA
- TIDAL VEGETATION
- LCSTV — LANDS CAPABLE OF SUPPORTING TIDAL VEGETATION
- HTL/CJL — HIGH TIDE LINE/COASTAL JURISDICTIONAL LINE (ELEV. 5.9 FT.)
- MHW — MEAN HIGH WATER (ELEV. 4.24 FT.)
- LOD — LIMITS OF PHASE DISTURBANCE

DRAWING NOTES:

1. RE-INSTALL EXISTING RUNWAY THRESHOLD LIGHT FIXTURE AND TRANSFORMER ON NEW BASE
2. INSTALL NEW L-867 LIGHT BASE WITH 1/2" STEEL COVER AND INTERCONNECTION CONDUIT FOR FUTURE RUNWAY THRESHOLD LIGHT FIXTURE
3. 2" SCH. 40 PVC EMPTY CONDUIT
4. 2" SCH. 40 PVC WITH 1-1/C L-828, 5KV, TYPE C CABLE
5. INSTALL 1-1/C L-828, 5KV, TYPE C CABLE IN EXISTING CONDUIT
6. MAKE SPLICE TO EXISTING RUNWAY EDGE LIGHT CIRCUIT AT LOCATION OF EXISTING LIGHT FIXTURE
7. INSTALL NEW L-867 LIGHT BASE WITH 1/2" STEEL COVER FOR FUTURE TAXIWAY EDGE LIGHT FIXTURE
8. HAND EXCAVATE TO EXPOSE EXISTING CONDUIT, CONNECT EXISTING CONDUIT TO NEW CONDUIT
9. 2" SCH. 40 PVC CONDUIT IN EXISTING PAVEMENT
10. 2" SCH. 40 PVC CONDUIT IN EXISTING GRASS AREA
11. PROVIDE POWER AND CONTROL CABLES, MATCH EXISTING
12. TERMINATE CONDUIT 5 FEET FROM EXISTING PAVEMENT AT 18 INCHES BELOW FINISHED GRADE, CAP AND SEAL CONDUIT FOR FUTURE USE
13. MAKE CONNECTION TO EXISTING REIL SYSTEM AS REQUIRED

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 02/07/2013

DESIGNER/DRAFTER: E. NEMAN/D. BAUMGARDNER
CHECKED BY: D. BAKER
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN: STRATFORD

DRAWING TITLE: ELECTRICAL SITE PLAN

PROJECT NO. 15-336
DRAWING NO. ELE-4.01
SHEET NO. 04.021

Border Version: 10/19/07