

VOLUME 4 - EMAS INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
IND-4.01	EMAS INDEX OF DRAWINGS	DET-4.03	ELECTRICAL DETAILS 3
GLP-4.01	GENERAL PROJECT LAYOUT	DMO-4.01	ELECTRICAL DEMOLITION PLAN
GEN-4.01	GENERAL NOTES	ELE-4.01	ELECTRICAL SITE PLAN
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 THRU PVT-4.03	PAVEMENT MARKING PLANS		
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 1		
DET-4.02	ELECTRICAL DETAILS 2		

DESIGNED BY:



URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

FINAL DESIGN PLANS

		DESIGNER/DRAFTER: K. MCCUTCHAN		SIGNATURE/ BLOCK:		PROJECT TITLE:	TOWN:	PROJECT NO.
		CHECKED BY: G. D'AMICO	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067	RUNWAY SAFETY AREA PROJECT IGOR I. SIKORSKY MEMORIAL AIRPORT	STRATFORD	15-336
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 12/17/2013	Filename: ...\\Sheets\\V4-cover.dgn		DRAWING TITLE:	DRAWING NO.
							VOLUME 4 - EMAS INDEX OF DRAWINGS	IND-4.01
								SHEET NO. 04.001

PROPOSED CONSTRUCTION SEQUENCE

VOLUME 2 (CT ROUTE 113 RE-ALIGNMENT)

MITIGATION

SEE VOLUME 2 FOR ADDITIONAL INFORMATION

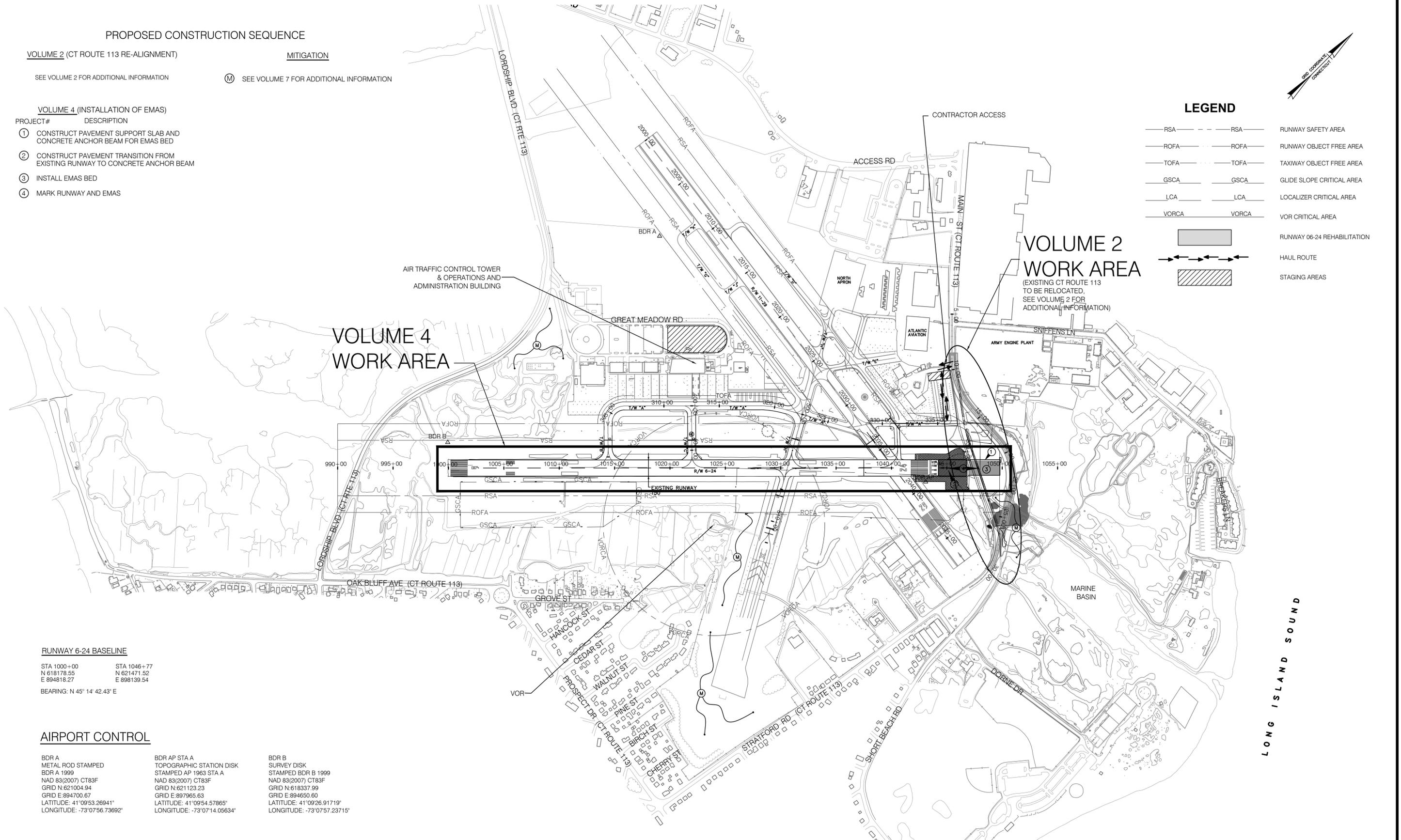
Ⓜ SEE VOLUME 7 FOR ADDITIONAL INFORMATION

VOLUME 4 (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 | MARK RUNWAY AND EMAS |

LEGEND

- | | | | | |
|-----|-----|-------|-------|-----------------------------|
| --- | --- | RSA | RSA | RUNWAY SAFETY AREA |
| --- | --- | ROFA | ROFA | RUNWAY OBJECT FREE AREA |
| --- | --- | TOFA | TOFA | TAXIWAY OBJECT FREE AREA |
| --- | --- | GSCA | GSCA | GLIDE SLOPE CRITICAL AREA |
| --- | --- | LCA | LCA | LOCALIZER CRITICAL AREA |
| --- | --- | VORCA | VORCA | VOR CRITICAL AREA |
| ▬ | ▬ | | | RUNWAY 06-24 REHABILITATION |
| → | → | | | HAUL ROUTE |
| ▨ | ▨ | | | STAGING AREAS |



VOLUME 2 WORK AREA
(EXISTING CT ROUTE 113 TO BE RELOCATED. SEE VOLUME 2 FOR ADDITIONAL INFORMATION)

VOLUME 4 WORK AREA

RUNWAY 6-24 BASELINE

STA 1000+00 STA 1046+77
N 618178.55 N 621471.52
E 894818.27 E 898139.54
BEARING: N 45° 14' 42.43" E

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:894650.80
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"

DESIGNER/DRAFTER: K. MCCUTCHAN/J. JENKINS	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	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	PROJECT NO: 15-336
CHECKED BY: G. D'AMICO/J. BRENNAN		SCALE IN FEET 0 40 80 SCALE 1" = 40'	URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06867	DRAWING TITLE: GENERAL PROJECT LAYOUT	DRAWING NO: GLP-4.01
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted: 02/04/2014	Filename:			SHEET NO: 04.002

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. CONTRACTOR SHALL COORDINATE WITH AIRFIELD OPERATIONS FOR ACCESS TO OFA.
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.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 11/12/2013						Filename:

DESIGNER/DRAFTER:
K. MCCUTCHEAN

CHECKED BY:
G. D'AMICO



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

SIGNATURE/BLOCK:



URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06867

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

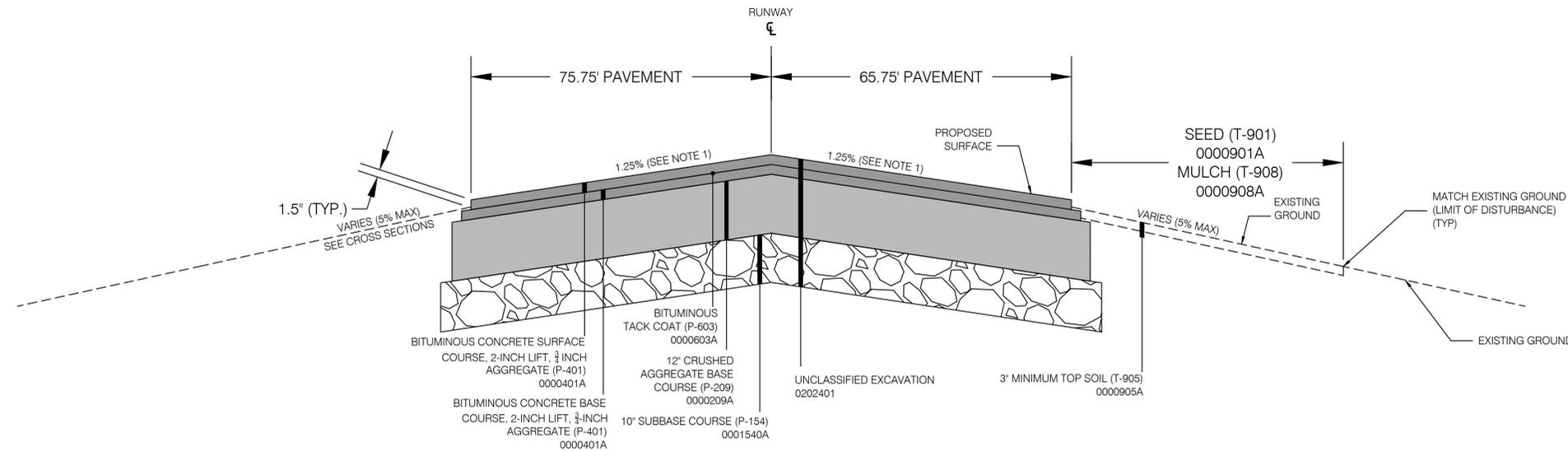
PROJECT NO:
15-336

DRAWING NO:
GEN-4.01

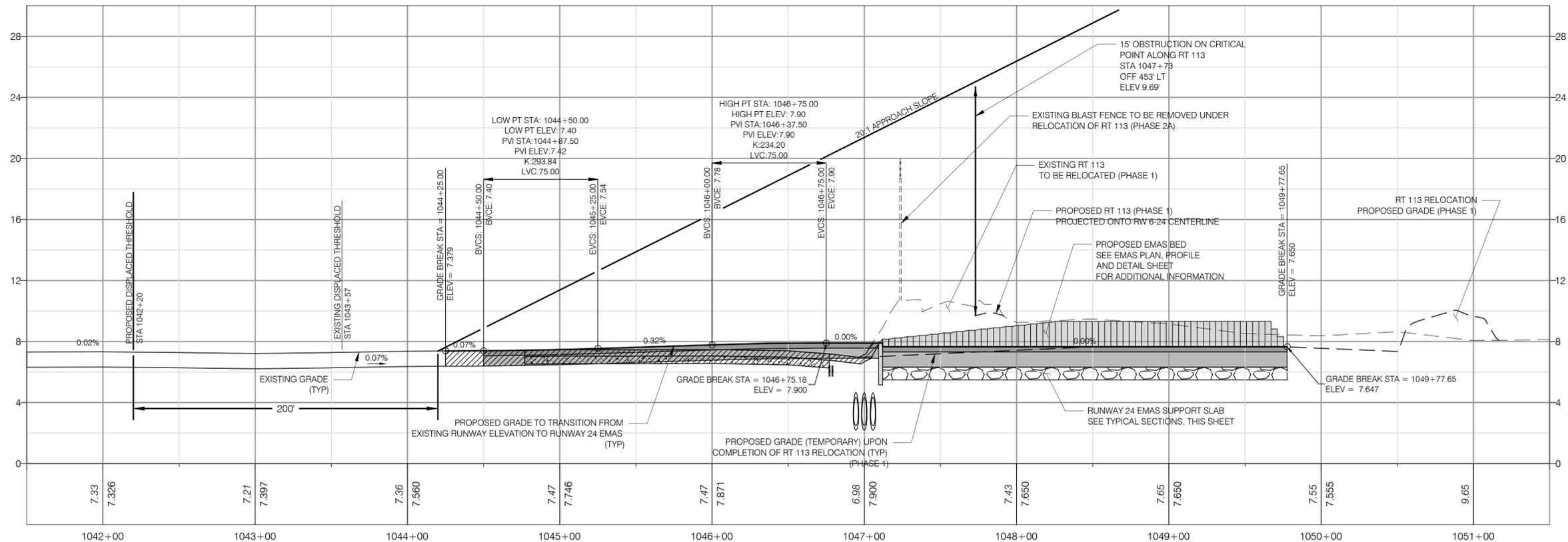
SHEET NO:
04.003

NOTES:

1. SLOPES VARY. "TYPICAL" SLOPE IS 1.25%. SEE CROSS SECTIONS.
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 REMOVE THE FULL DEPTH OF THE EXISTING PCC PAVEMENT AND REFILL WITH A MINIMUM 8 INCH OF CRUSHED AGGREGATE BASE, AND TOPPED WITH 2 INCH BITUMINOUS CONCRETE SURFACE COURSE AND 2 INCH BITUMINOUS CONCRETE BASE COURSE. 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.
4. REFERENCE VOLUME 3 - CSPP FOR PHASING.



RUNWAY 24 EMAS SUPPORT SLAB TYPICAL SECTION:
STA 1047+12.00 TO 1049+80.22
 NOT TO SCALE

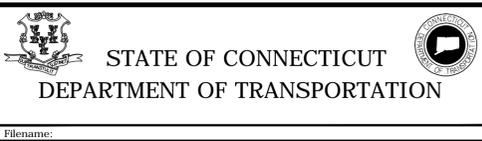


VERTICAL SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/19/2013

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



SIGNATURE/BLOCK:

 URS CORPORATION AES
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06867

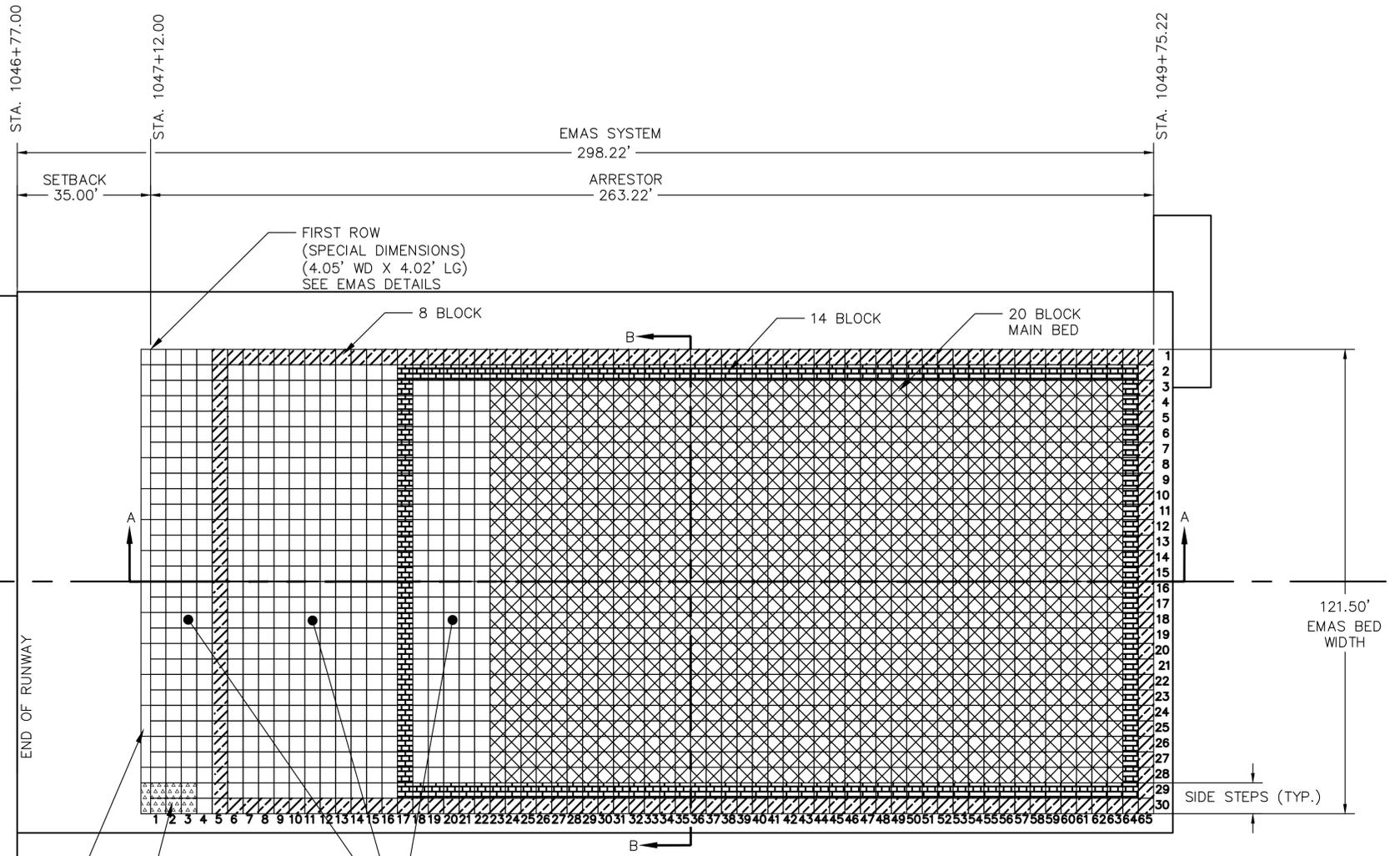
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN:
STRATFORD
 DRAWING TITLE:
TYPICAL SECTIONS 2

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

LEGEND

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



DEBRIS DEFLECTOR
(INSTALLED ON TOP OF ANCHOR BEAM)
8 FT PANELS, SEE
EMAS DETAILS SHEET

EQUIPMENT RAMP
NO DEBRIS DEFLECTOR
1ST ROW: 2.5"/4.13"
2ND ROW: 4.13"/5.76"
3RD ROW: 5.76"/7.5"
(NOTE: ACTUAL MEASURED HEIGHT LISTED)

SEE PROFILE FOR BLOCK SIZES

NOTE: ALL BLOCKS ARE 4.00' X 4.00' X THICKNESS SHOWN
ALL HEIGHTS ARE NOMINAL
ACTUAL BLOCKS ARE 1/8" TALLER THAN HEIGHT SHOWN

ZODIAC AEROSPACE
ENGINEERED ARRESTING SYSTEMS CORPORATION
2229 High Hill Road
Logan Township, NJ 08825
Phone 908.241.8620
Fax 908.241.8621



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

DESIGNER/DRAFTER:
T. BUZINKSKI
CHECKED BY:
J. BOSCO
Plotted: 11/12/2013

SCALE IN FEET
0 20 40
SCALE 1" = 20'

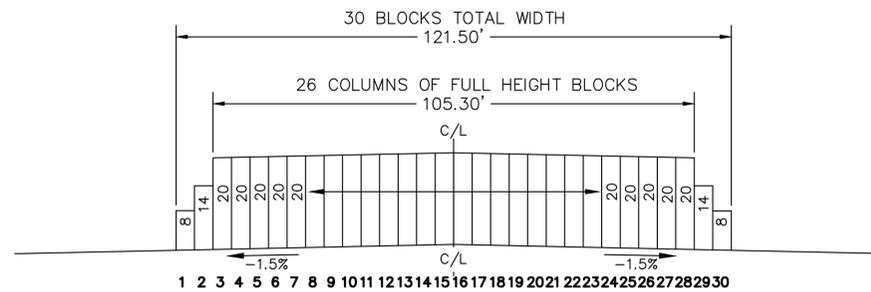
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

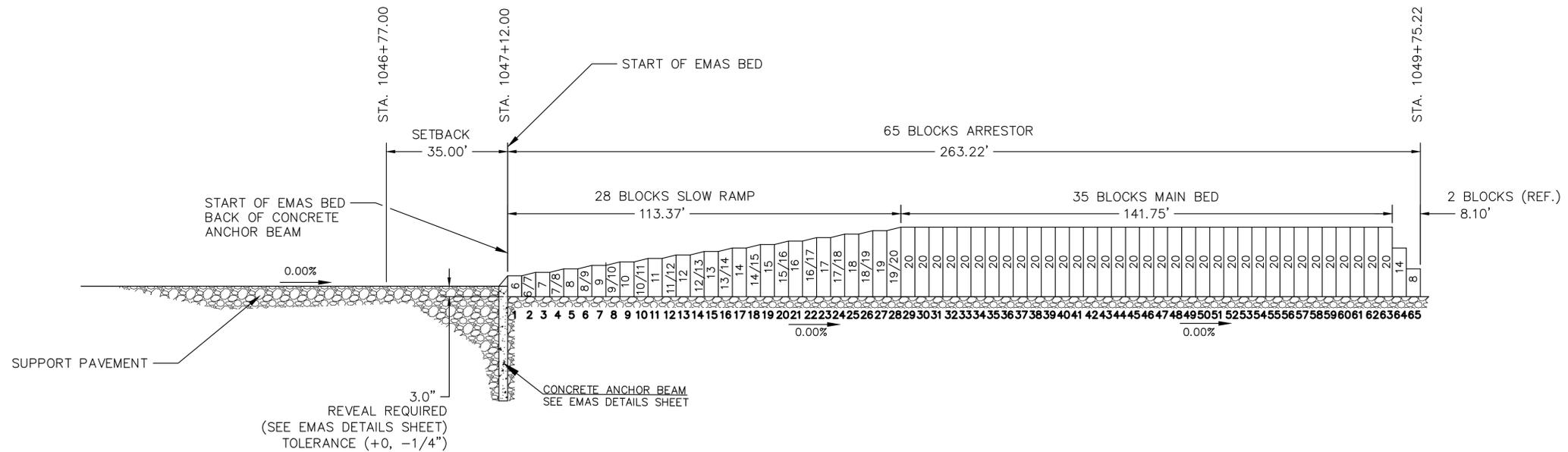
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN:
STRATFORD
DRAWING TITLE:
EMAS DETAILS 1

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



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

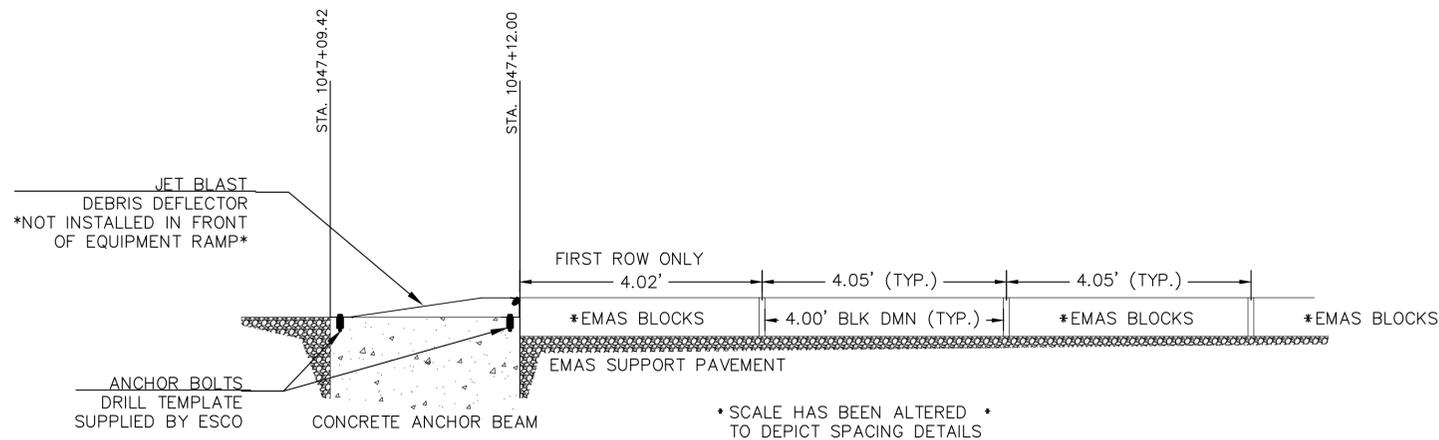


SECTION B-B
FROM EMAS BLOCK LAYOUT
SCALE: N.T.S.



NOTE: ALL BLOCKS ARE 4.00' X 4.00' X THICKNESS SHOWN
ALL HEIGHTS ARE NOMINAL
ACTUAL BLOCKS ARE 1/8" TALLER THAN HEIGHT SHOWN

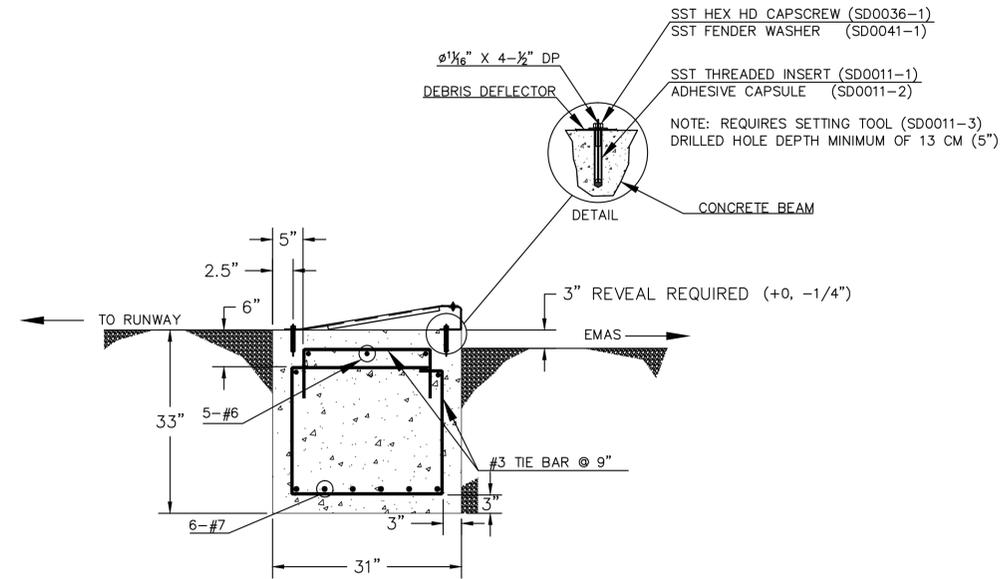
DESIGNER/DRAFTER: T. BUZINKSKI		 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	 SIGNATURE/ BLOCK:	PROJECT TITLE: RUNWAY SAFETY AREA PROJECT IGOR I. SIKORSKY MEMORIAL AIRPORT INSTALLATION OF RUNWAY 24 EMAS AIP NO. 3-09-0002-XX	TOWN: STRATFORD	PROJECT NO: 15-336
CHECKED BY: J. BOSCO						
NOT TO SCALE		FILENAME:	URS CORPORATION AES 500 ENTERPRISE DRIVE ROCKY HILL, CT 06867	DRAWING TITLE: EMAS DETAILS 2	SHEET NO: 04.007	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 10/31/2013		



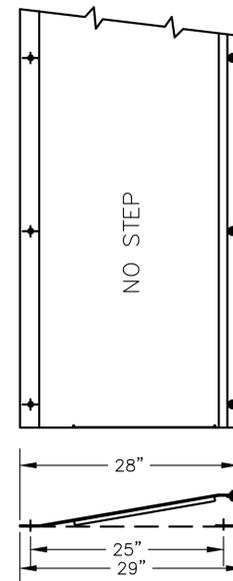
ANCHOR BEAM-DEBRIS DEFLECTOR LAYOUT
SCALE: N.T.S.

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

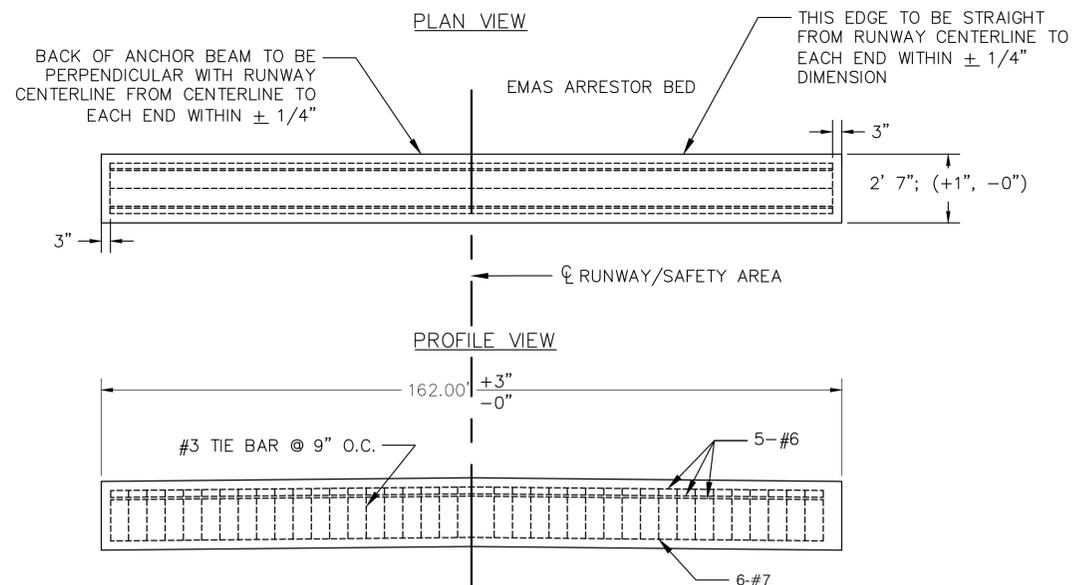
ESCO WILL SUPPLY BLOCK SPACER &
DRILL TEMPLATE FOR INSTALLATION



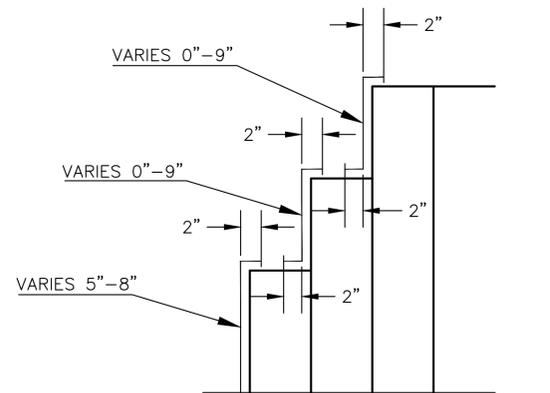
CONCRETE ANCHOR BEAM DETAIL
ALL BARS SHALL BE ASTM-A615, GRADE 60 (TYP.)
SEE 0601000 - CLASS A CONCRETE
IN SPEC FOR MORE INFO
SCALE: N.T.S.



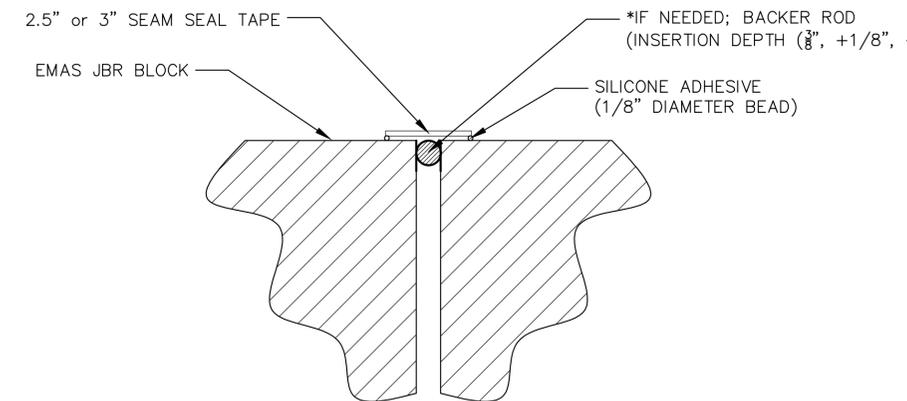
TYP. DEBRIS DEFLECTOR ASSEMBLY
NOTE: ESCO WILL SUPPLY A METAL DRILL
PLATE FOR ALIGNING DRILLED HOLES
SCALE: N.T.S.



CONCRETE ANCHOR BEAM REBAR DETAIL
ALL BARS SHALL BE ASTM-A615, GRADE 60 (TYP.)
SEE 0601000 - CLASS A CONCRETE
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.



DESIGNER/DRAFTER: T. BUZINKSKI	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: RUNWAY SAFETY AREA PROJECT IGOR I. SIKORSKY MEMORIAL AIRPORT INSTALLATION OF RUNWAY 24 EMAS AIP NO. 3-09-0002-XX	TOWN: STRATFORD	PROJECT NO: 15-336
CHECKED BY: J. BOSCO			DRAWING TITLE: EMAS DETAILS 3	DRAWING NO: MDS-4.03
NOT TO SCALE	FILENAME:			SHEET NO: 04.008
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted: 12/17/2013			

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

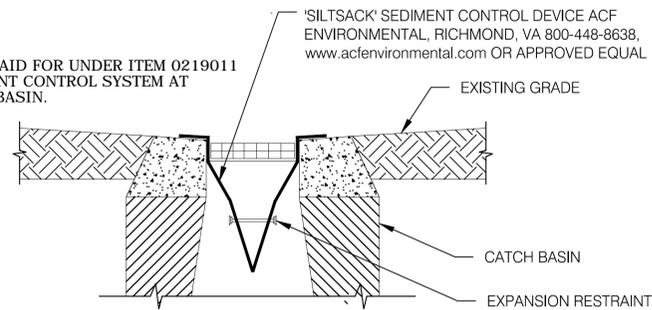
- SEE EROSION AND SEDIMENT CONTROL PLAN FOR LOCATION OF SEDIMENT DEVICE INSTALLATION.
- IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL CONFORM TO THE CONTRACT DRAWINGS AND SPECIFICATIONS OR TO THE CTDEEP "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," REVISED 2002, WHICHEVER IS MORE STRINGENT.
- CONSTRUCTION ENTRANCES, PERIMETER SEDIMENTATION BARRIERS AND PROTECTION AT EXISTING INLETS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL CONTROL MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER.
- 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.
- 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.
- 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.
- SEDIMENTATION BARRIERS SHALL BE INSTALLED AS CONSTRUCTION PROCEEDS AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN, ALL AS NECESSARY TO CONTAIN SEDIMENTATION TRANSPORT.
- SIDE SLOPES OF STOCKPILED MATERIALS SHALL NOT EXCEED TWO HORIZONTAL TO ONE VERTICAL.
- ALL EROSION CONTROLS MUST REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE ENGINEER.

SOIL EROSION AND SEDIMENTATION CONTROL CONSTRUCTION SEQUENCE

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

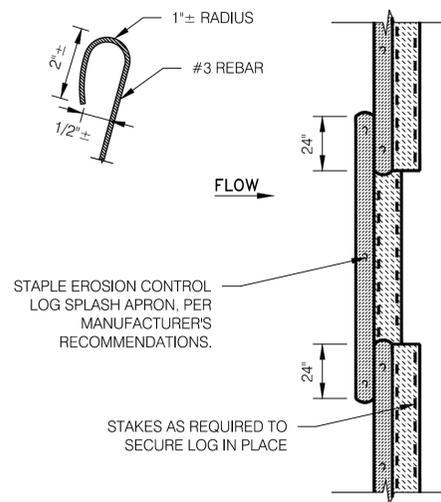
NOTE:

- TO BE PAID FOR UNDER ITEM 0219011 SEDIMENT CONTROL SYSTEM AT CATCH BASIN.



SEDIMENT AND EROSION CONTROL SILT SACK INLET PROTECTION

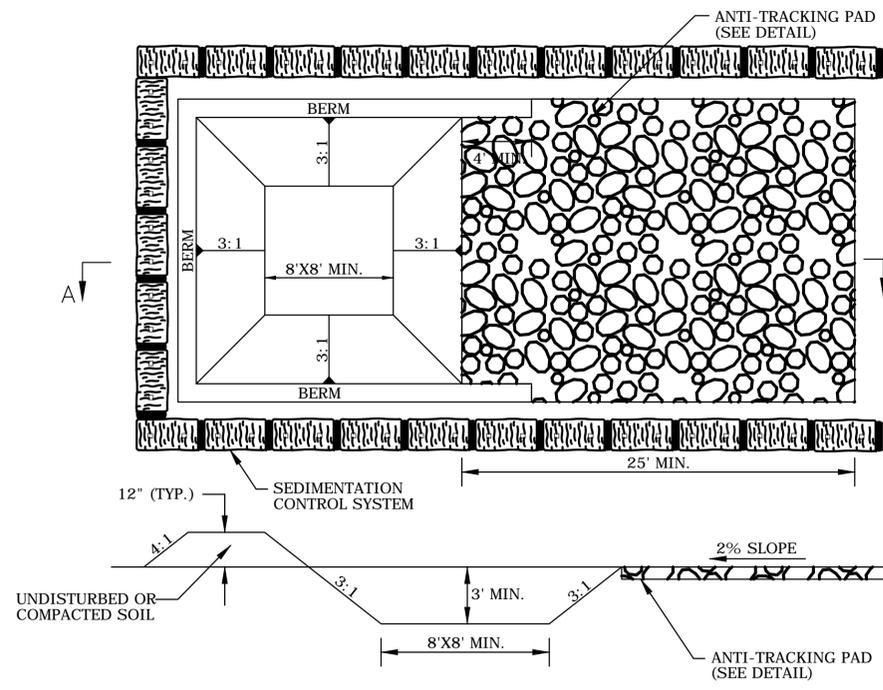
NOT TO SCALE



SEDIMENT AND EROSION CONTROL LOG

NOT TO SCALE

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



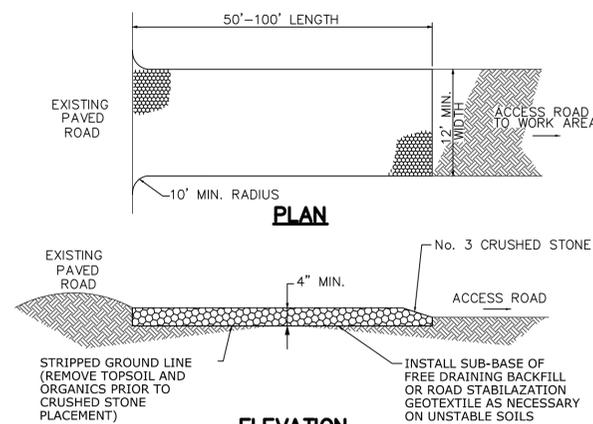
SECTION A-A

CONCRETE WASHOUT AREA

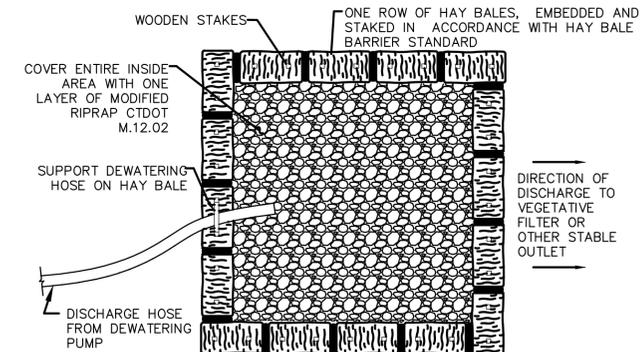
NOT TO SCALE

NOTES:

- DO NOT LOCATE UNLINED CONCRETE WASHOUT AREA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1 000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CONCRETE WASHOUT AREA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE SHOULD BE USED. DUMPING OF LIQUID WASTE IN STORM SEWERS IS PROHIBITED.
- THE CONCRETE WASHOUT AREA SHOULD BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
- USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.
- THE CONCRETE WASHOUT AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE.
- CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
- THE CONCRETE WASHOUT AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
- WHEN THE CONCRETE WASHOUT AREA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZE IN A MANNER APPROVED BY THE ENGINEER.
- THE CONCRETE WASHOUT AREA SHALL BE INSPECTED ONCE A WEEK. A MAINTENANCE AND INSPECTION RECORD SHALL BE KEPT FOR AS LONG AS THE CONCRETE WASHOUT AREA IS IN PLACE.
- IF THERE ARE SIGNS OF LEAKS, HOLES OR OVERFLOWS IN THE PIT, REPAIRS SHALL BE MADE PRIOR TO FURTHER USE.
- HARDENED CONCRETE WASTE SHALL BE REMOVED ONCE THE ACCUMULATION REACHES 1/2 THE HEIGHT OF THE PIT, OR AS NECESSARY TO AVOID OVERFLOWS. PAYMENT IS INCLUDED IN THE CONCRETE ITEMS.
- VEHICLE WASHING SHALL NOT BE PERFORMED EXCEPT AT DESIGNATED WASHOUT AREAS.
- CONCRETE WASHOUT AREA TO BE PAID UNDER ITEM 0202401 UNCLASSIFIED EXCAVATION AND 0210100 ANTI-TRACKING PAD.
- CLEAN OUT OF THE WASHOUT AREA SHALL BE DONE PRIOR TO ANY EXPECTED RAINFALL.



ANTI-TRACKING PAD



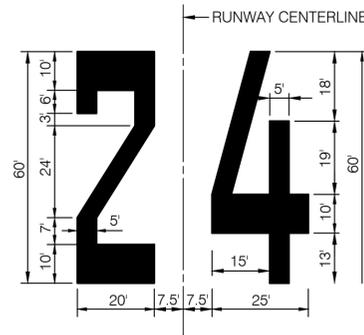
NOTES:

- INSTALL HAYBALES ACCORDING TO HAYBALE BARRIER 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.
- CONTRACTOR SHALL DISCHARGE INTO TYPE I PUMPING SETTLING BASIN FOR THE DEWATERING OF HIS EXCAVATION OPERATIONS. AT NO TIME SHALL THE CONTRACTOR DISCHARGE EXCAVATION DEWATERING DIRECTLY INTO TOWN STORM SEWER.
- AS AN ALTERNATIVE TREATMENT, THE CONTRACTOR MAY USE "DIRTBAG" PUMPED SILT CONTROL SYSTEM MANUFACTURED BY ACF ENVIRONMENTAL, RICHMOND, VA, OR APPROVED EQUAL.
- ITEM TO BE PAID FOR UNDER 0219002 SEDIMENTATION CONTROL HAY BALE SYSTEM AND 0703012 MODIFIED RIPRAP.

TYPE I PUMPING SETTLING BASIN

NOT TO SCALE

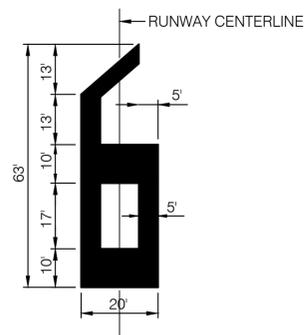
DESIGNER/DRAFTER: K. MCCUTCCHAN/J. JENKINS		STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: 	PROJECT TITLE: RUNWAY SAFETY AREA PROJECT IGOR I. SIKORSKY MEMORIAL AIRPORT INSTALLATION OF RUNWAY 24 EMAS AIP NO. 3-09-0002-XX	TOWN: STRATFORD	PROJECT NO: 15-336
CHECKED BY: G. D'AMICO				DRAWING TITLE: EROSION AND SEDIMENT CONTROL DETAILS	SHEET NO: 04.009	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 02/04/2014		



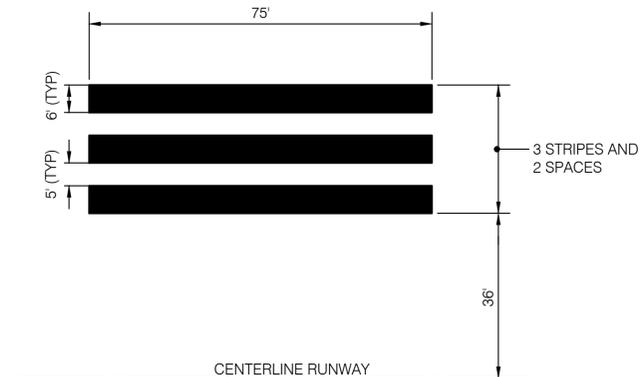
RUNWAY 24 LANDING DESIGNATION MARKING DETAILS
NOT TO SCALE

NOTE:

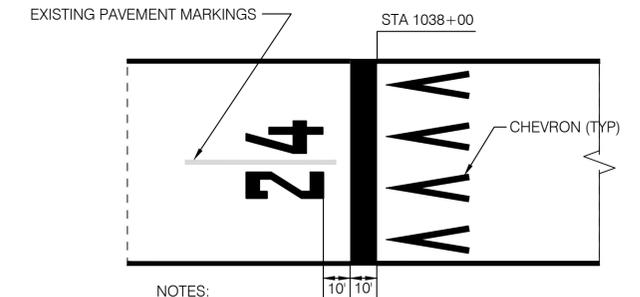
- MARKINGS ARE TO BE PAINTED WHITE.



RUNWAY 6 DESIGNATION MARKING DETAILS
NOT TO SCALE



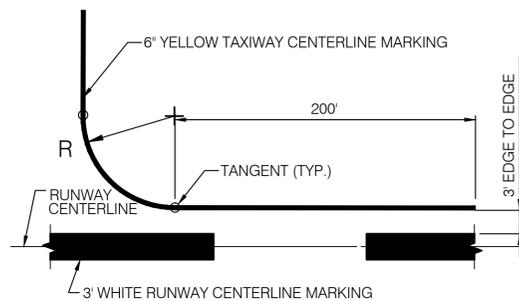
TOUCHDOWN ZONE MARKING DETAIL
NOT TO SCALE



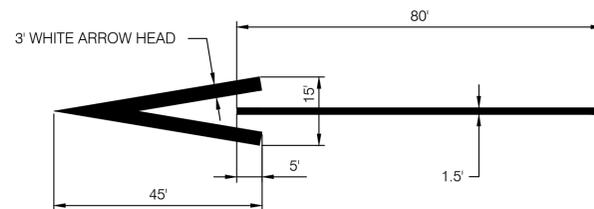
NOTES:

- REMOVE EXISTING PAINT WHICH CONTRASTS WITH TEMPORARY MARKING TO THE SATISFACTION OF THE ENGINEER.
- 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.
- MARKINGS ARE TO BE PAINTED WHITE.
- TEMPORARY MARKINGS TO BE APPLIED AT A RATE OF 230 SF/GALLON. GLASS BEADS NOT REQUIRED.
- FOR CHEVRON LAYOUT AND DIMENSIONS, REFER TO FINAL RUNWAY 24 DISPLACED THRESHOLD MARKING DETAIL, THIS SHEET.

TEMPORARY THRESHOLD DETAIL
NOT TO SCALE



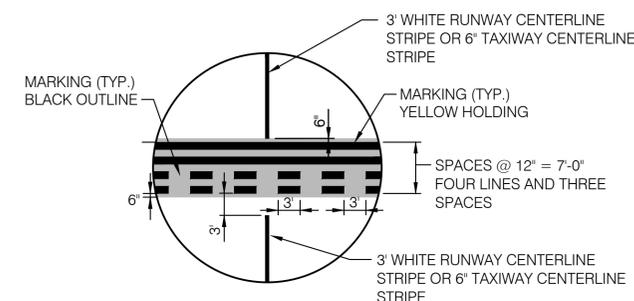
TAXIWAY/RUNWAY INTERSECTION MARKINGS
NOT TO SCALE



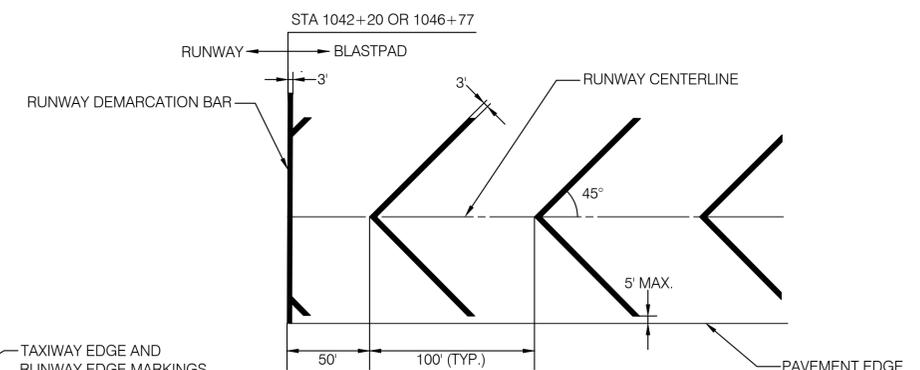
DISPLACED THRESHOLD ARROW DETAIL
NOT TO SCALE

NOTE:

- MARKINGS ARE TO BE PAINTED WHITE.



HOLDING POSITION MARKING DETAIL
NOT TO SCALE



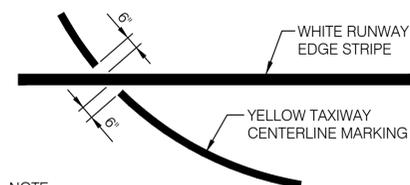
YELLOW CHEVRON MARKING DETAIL
NOT TO SCALE

NOTE:

- CHEVRONS AND RUNWAY DEMARCATION BAR TO BE PAINTED YELLOW.

GENERAL NOTES:

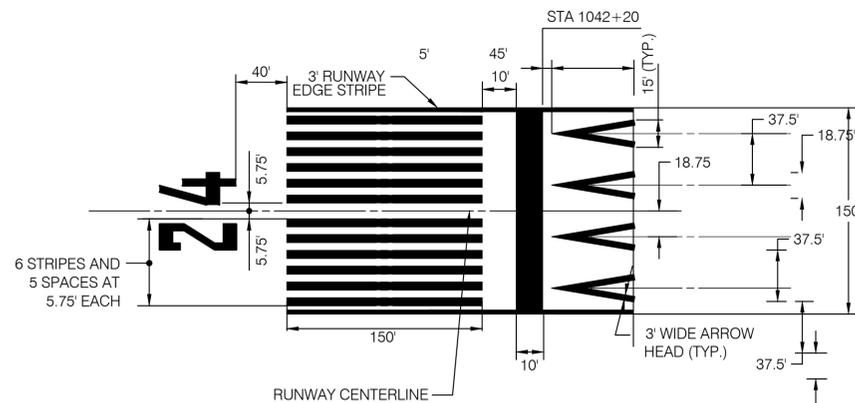
- MARKINGS ARE TO BE OUTLINED IN 6" OF BLACK PAINT WHEN DIRECTED BY THE ENGINEER. GLASS BEADS NOT REQUIRED IN BLACK PAINT. REFER TO AC 150/5340-1L.
- TEMPORARY MARKINGS TO BE APPLIED AT A RATE OF 230 SF/GALLON. GLASS BEADS NOT REQUIRED.
- TEMPORARY PAVEMENT MARKINGS TO BE PAID FOR UNDER ITEM 0000620A.
- FINAL PAVEMENT MARKINGS TO BE PAID FOR UNDER ITEM 0000621A.
- SEE DRAWING NO PVT-4.01-PVT-4.03 FOR FINAL PAVEMENT MARKINGS.



NOTE:

TAXIWAY CENTERLINE MARKING IS CONTINUOUS IN LENGTH EXCEPT WHERE IT INTERSECTS A HOLDING POSITION MARKING OR A RUNWAY MARKING ELEMENT.

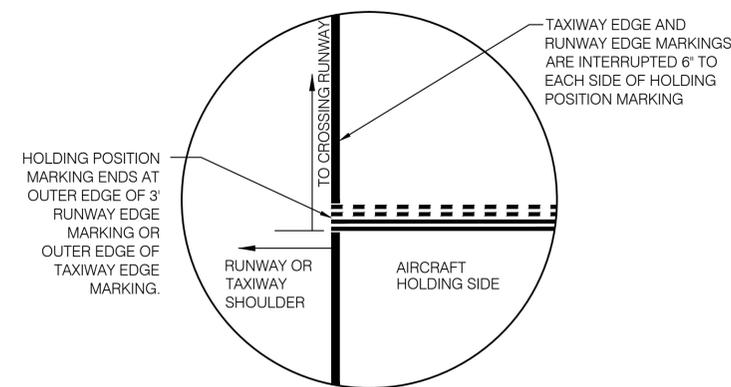
CENTERLINE BREAK DETAIL
NOT TO SCALE



FINAL RUNWAY 24 DISPLACED THRESHOLD MARKING DETAIL
NOT TO SCALE

NOTE:

- MARKINGS ARE TO BE PAINTED WHITE.



DETAIL OF HOLDING POSITION MARKINGS AT SHOULDER
NOT TO SCALE

DESIGNER/DRAFTER: D. PHAN	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	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	PROJECT NO: 15-336	
CHECKED BY: G. D'AMICO		NOT TO SCALE	FILENAME:	DRAWING TITLE: PAVEMENT MARKING DETAILS	DRAWING NO: MDS-4.05	SHEET NO: 04.010
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 02/04/2014			



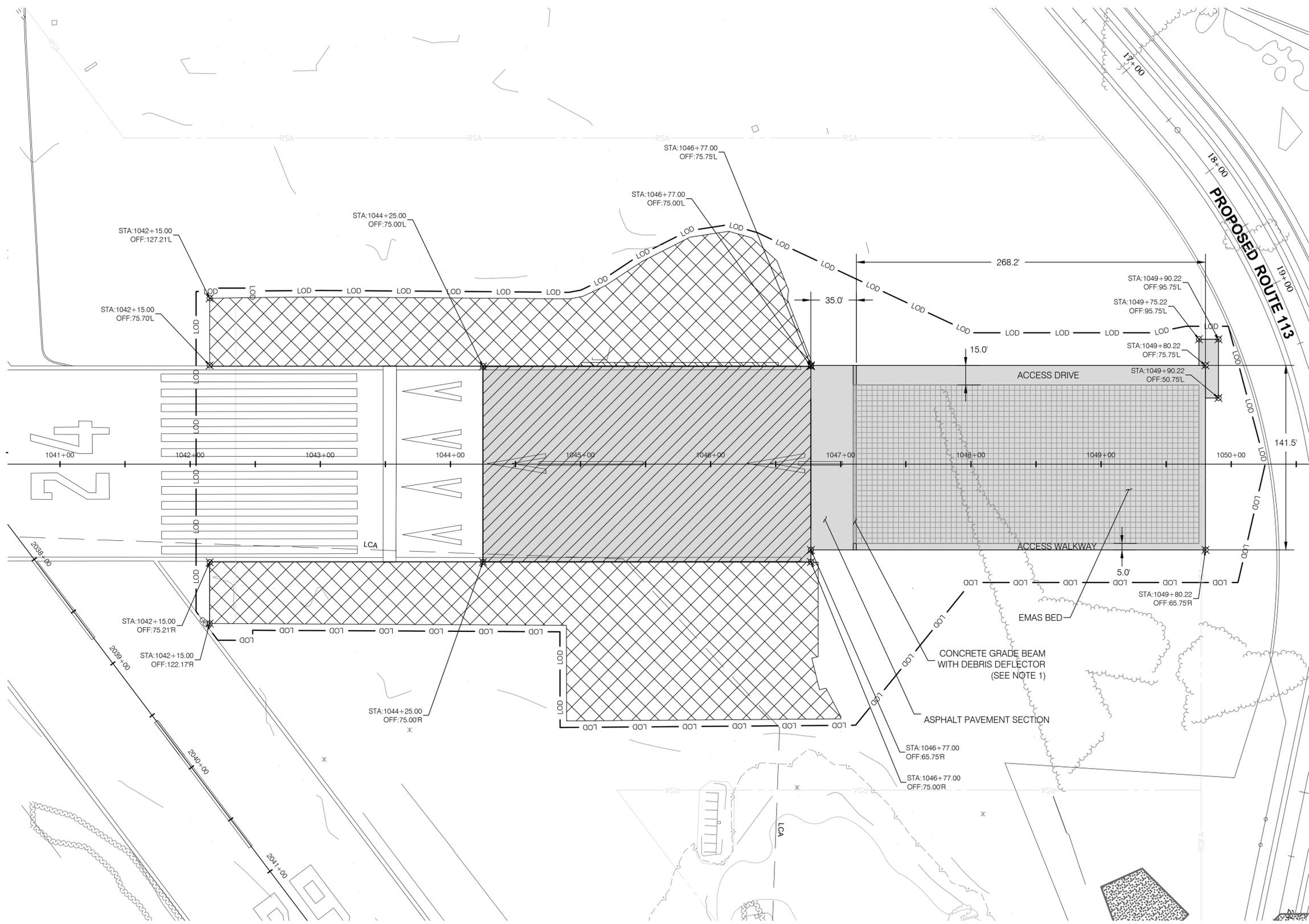
LEGEND

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

PAVING LEGEND

- NEW BITUMINOUS PAVEMENT CONSTRUCTION (SUPPORT SLAB)
- PAVEMENT REMOVAL (SEE TYPICAL SECTIONS)
- EMAS BLOCKS
- ADDITIONAL BITUMINOUS PAVEMENT TO BE REMOVED (SEE TYPICAL SECTIONS)

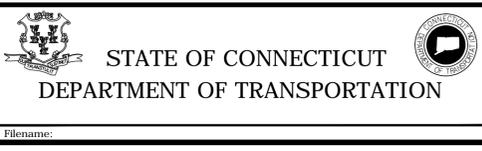
NOTE:
1. APPLY JOINT SEALING FILLER (ITEM 0000605A) TO BOTH SIDES OF GRADE BEAM.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/18/2013

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



SIGNATURE/BLOCK:

URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

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

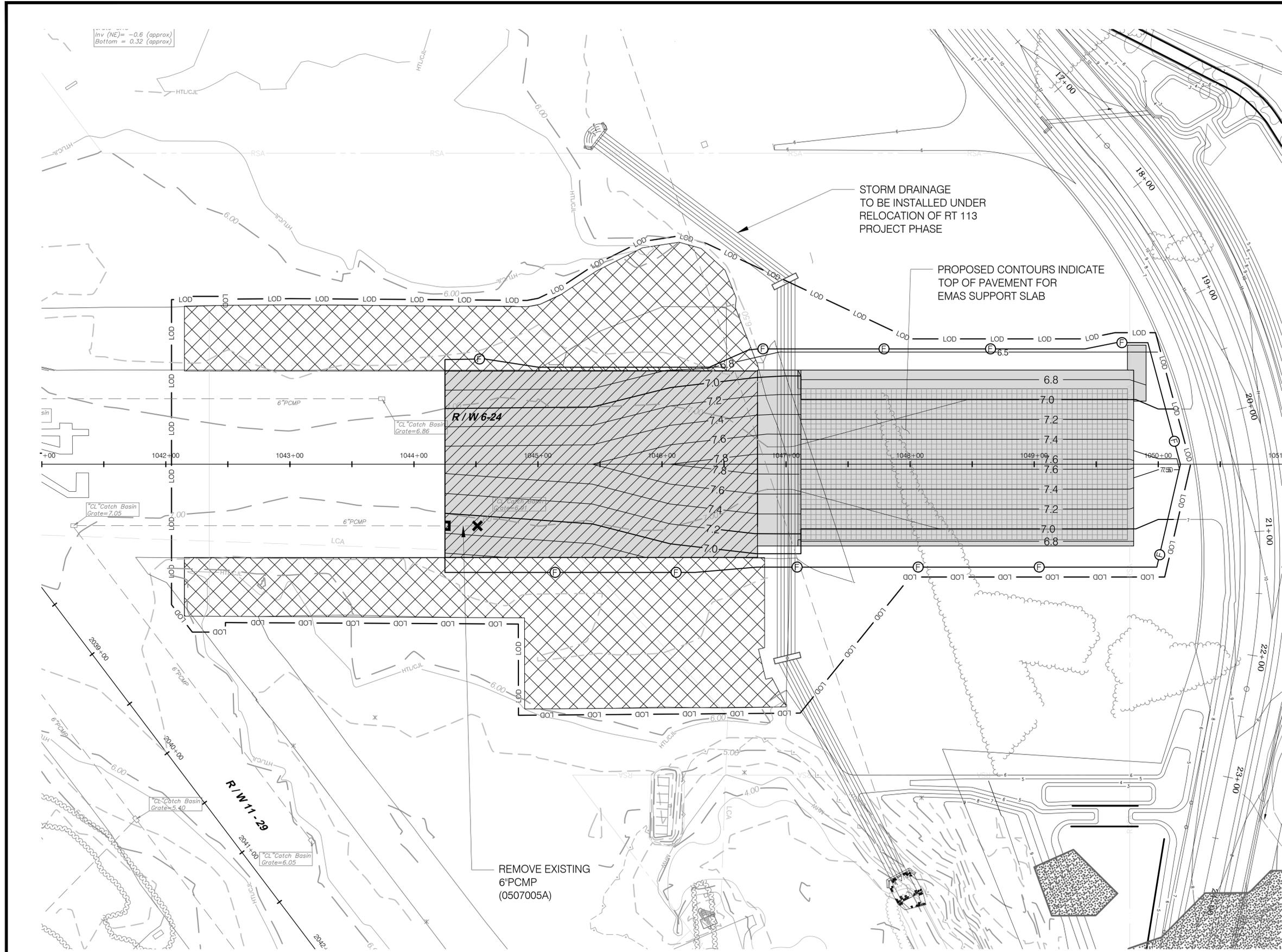
TOWN:
STRATFORD
DRAWING TITLE:
EMAS GEOMETRY PLAN

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



LEGEND

- RSA — RSA — RUNWAY SAFETY AREA
- ROFA — ROFA — RUNWAY OBJECT FREE AREA
- TOFA — TOFA — TAXIWAY OBJECT FREE AREA
- GSCA — GSCA — GLIDE SLOPE CRITICAL AREA
- LCA — LCA — LOCALIZER 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
- E — END REMOVAL/CUT AND PLUG ABANDONED STORM SEWER
- X — REMOVE/ABANDON EXISTING CATCH BASIN (0507005A)



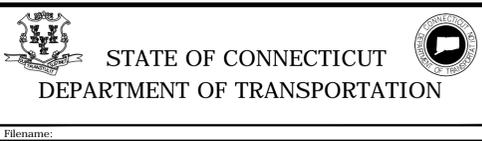
REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/18/2013

DESIGNER/DRAFTER:
K. MCCUTCHAN

CHECKED BY:
G. D'AMICO

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



SIGNATURE/BLOCK:

URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06867

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



LEGEND

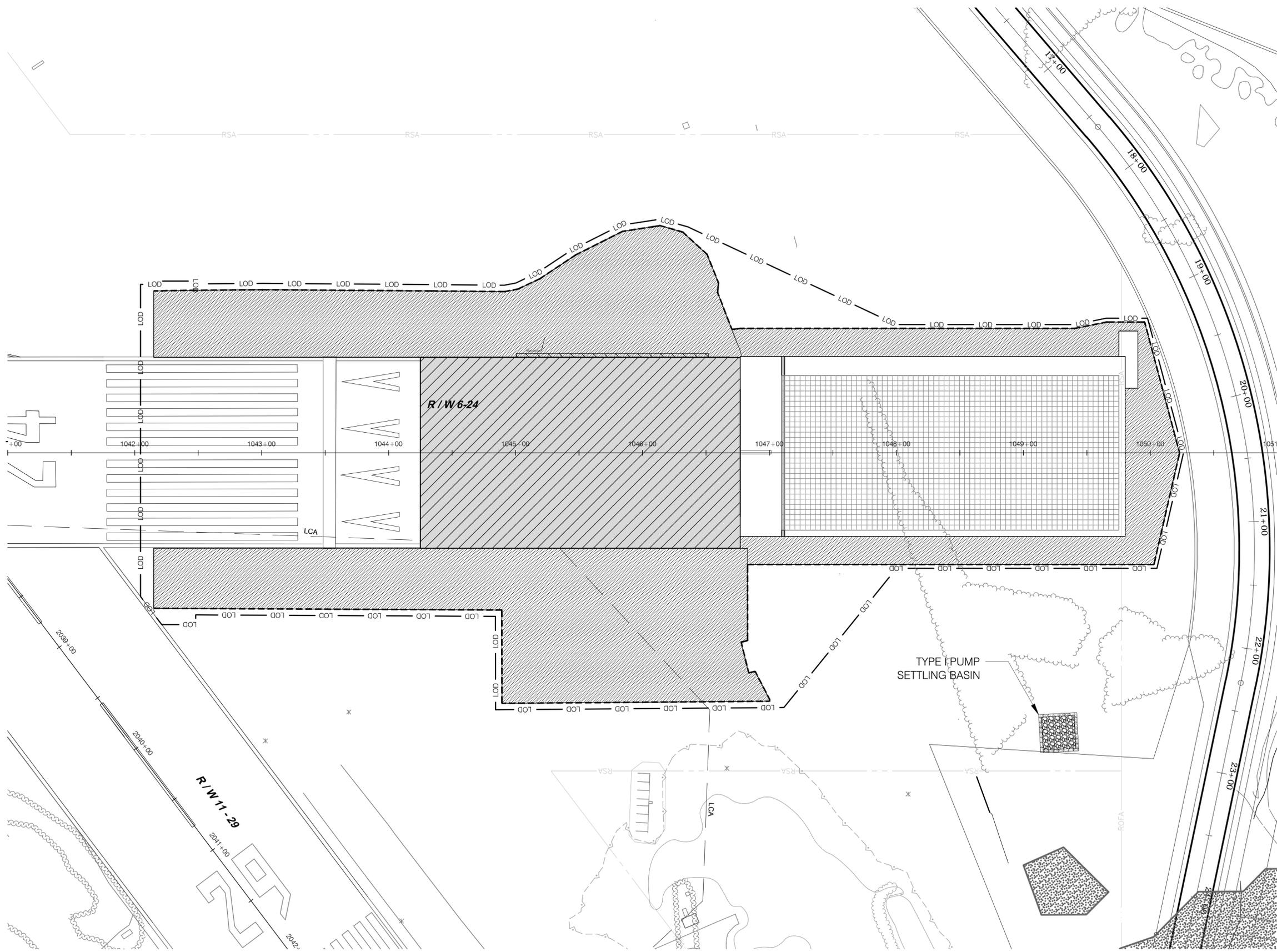
- RSA — — — RSA — — — RUNWAY SAFETY AREA
- ROFA — — — ROFA — — — RUNWAY OBJECT FREE AREA
- TOFA — — — TOFA — — — TAXIWAY OBJECT FREE AREA
- GSCA — — — GSCA — — — GLIDE SLOPE CRITICAL AREA
- LCA — — — LCA — — — LOCALIZER CRITICAL AREA
- VORCA — — — VORCA — — — VOR CRITICAL AREA
- TIDAL VEGETATION — —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

PLACE TOPSOIL, SEED AND MULCH AT ALL DISTURBED UNPAVED AREAS

SEDIMENT AND EROSION CONTROL LOGS

NOTES

1. DEWATERING FOR TRENCHING OPERATIONS AND STRUCTURE INSTALLATION SHALL BE PERFORMED BY A PUMP DISCHARGING TO A GEOTEXTILE SEDIMENT CONTROL BAG OR A TYPE I PUMP SETTLING BASIN. EXACT LOCATIONS AND SIZES SHALL BE DETERMINED IN THE FIELD, BUT SHALL BE LOCATED WITHIN THE PROJECT LIMIT OF DISTURBANCE, AND OUTSIDE THE HIGH TIDE LINE/COASTAL JURISDICTIONAL LINE.
2. ALL DISTURBED AREAS WHICH WILL NOT BE COVERED BY PAVEMENT SHALL HAVE TOPSOIL, SEED, AND MULCH INSTALLED AS SOON AS POSSIBLE TO MINIMIZE DUST CONTROL.
3. THE CONTRACTOR SHALL HAVE AVAILABLE & MAINTAIN AN OPERABLE CONDITION AT ALL TIMES SUFFICIENT EQUIPMENT FOR THE PURPOSE OF APPLYING WATER FOR DUST CONTROL.
4. VEHICLE WASHING SHALL NOT BE PERFORMED EXCEPT AT DESIGNATED WASHOUT AREAS. CONCRETE WASHOUT AREAS SHALL BE LOCATED AT CONTRACTOR'S STAGING AREAS. SEE DETAIL DRAWING NO MDS-4.04 FOR CONCRETE WASHOUT AREA DETAIL.
5. SEE DETAIL DRAWING NO MDS-4.04 FOR ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL NOTES.



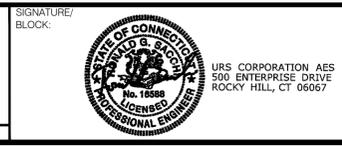
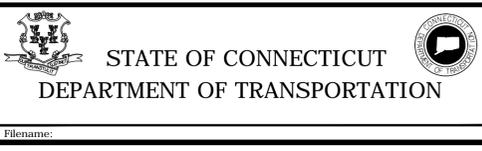
REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/18/2013

DESIGNER/DRAFTER:
K. MCCUTCHAN/J. JENKINS

CHECKED BY:
G. D'AMICO

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



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

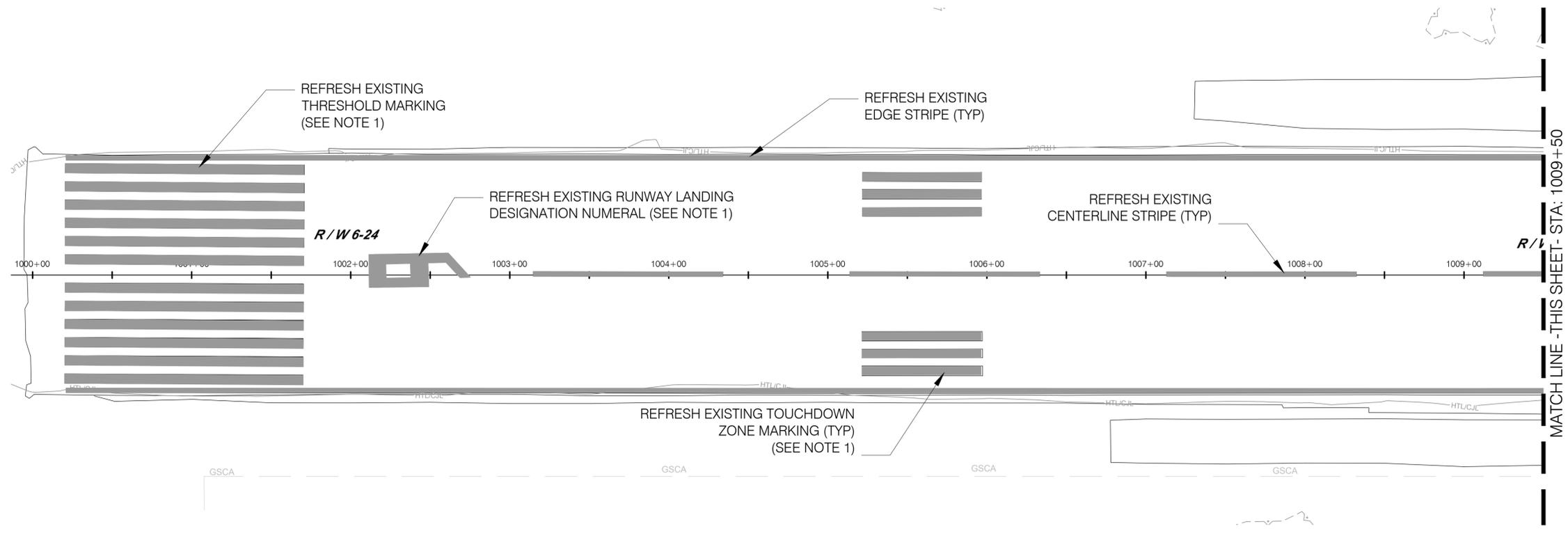
TOWN:
STRATFORD

DRAWING TITLE:
**EROSION AND SEDIMENT
CONTROL PLAN**

PROJECT NO.
15-336

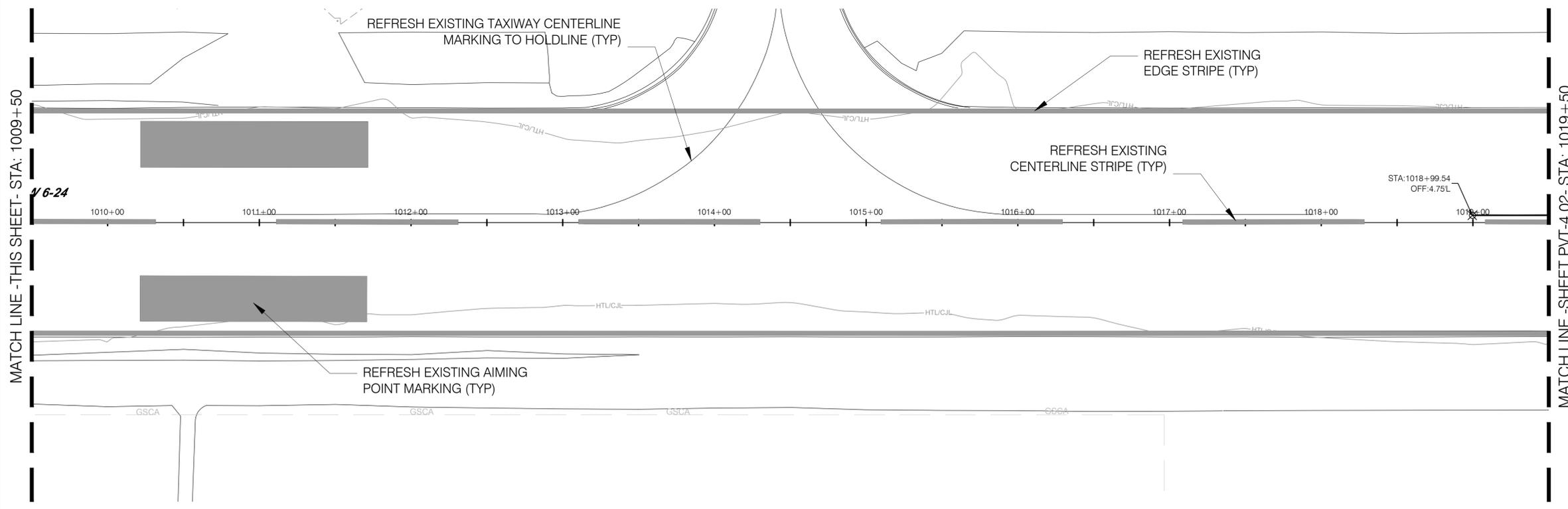
DRAWING NO.
SED-4.01

SHEET NO.
04.013



LEGEND

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

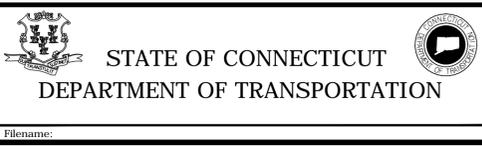


- NOTES**
- SEE DRAWING NO. MDS-4.05 FOR PAVEMENT MARKING DETAILS.
 - ALL MARKINGS (WITH THE EXCEPTION OF BLACK OUTLINES) SHALL RECEIVE GLASS BEADS.
 - MARKINGS TO BE OUTLINED IN 6" BLACK PAINT WHEN DIRECTED BY THE ENGINEER.
 - TAXIWAY CENTERLINE MARKING TO BE PAINTED YELLOW.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/18/2013

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

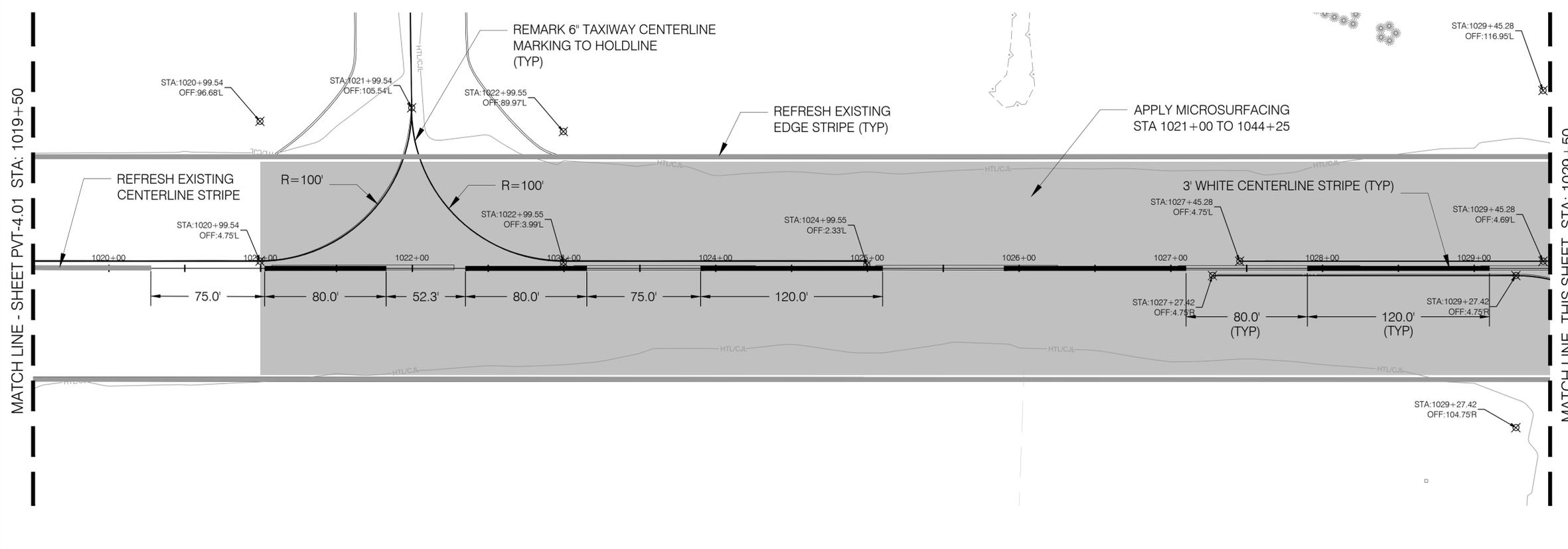


SIGNATURE/BLOCK:
URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06867

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

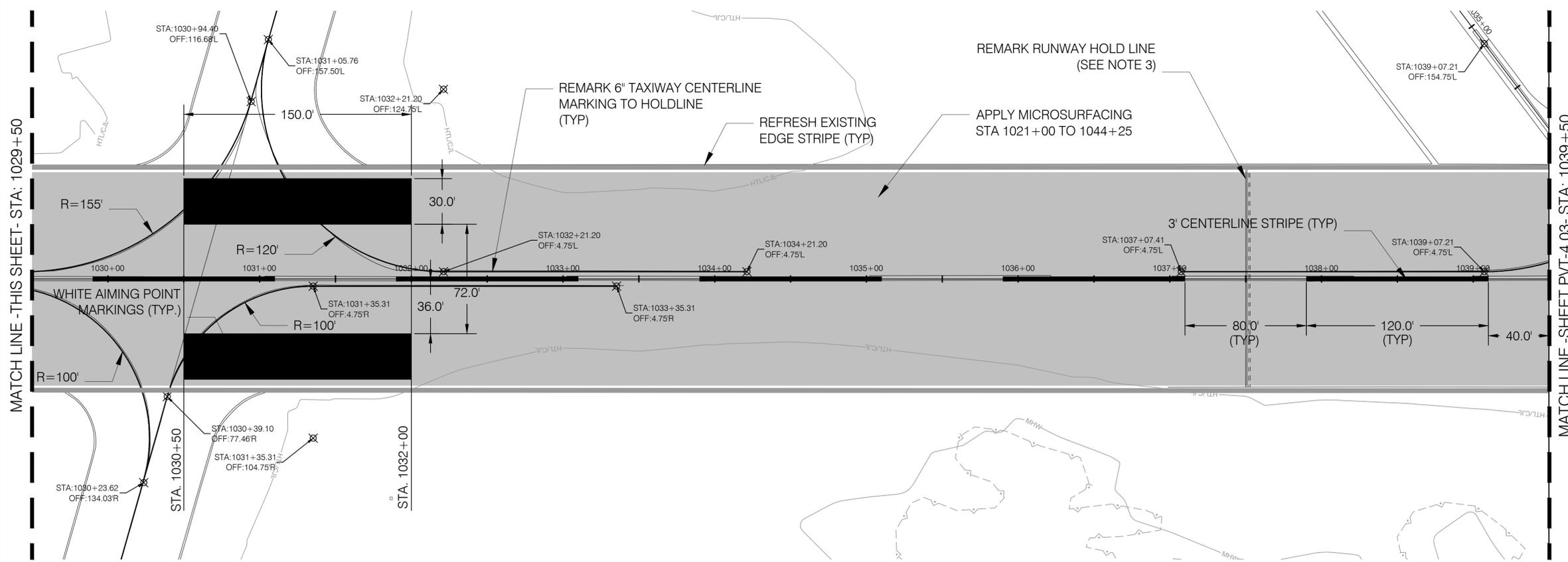
TOWN:
STRATFORD
DRAWING TITLE:
PAVEMENT MARKING PLAN 1

PROJECT NO.
15-336
DRAWING NO.
PVT-4.01
SHEET NO.
04.014



LEGEND

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



- NOTES**
1. APPLY MICROSURFACING (SEAL COAT) APPROXIMATELY 140' WIDE TO LIMIT SHOWN ON PLAN OR DIRECTED BY THE ENGINEER TO OBLITERATE EXISTING PAVEMENT MARKINGS.
 2. MICROSURFACING TO BE PAID FOR UNDER ITEM 0406900A.
 3. SEE DRAWING NO. MDS-4.05 FOR PAVEMENT MARKING DETAILS.
 4. ALL MARKINGS (WITH THE EXCEPTION OF BLACK OUTLINES) SHALL RECEIVE GLASS BEADS.
 5. PERMANENT MARKING SHALL BE INSTALLED NO SOONER THAN 28 DAYS AFTER APPLICATION OF MICROSURFACING. TEMPORARY MARKINGS TO BE INSTALLED IMMEDIATELY.
 6. MARKINGS TO BE OUTLINED IN 6" BLACK PAINT WHEN DIRECTED BY THE ENGINEER.
 7. TAXIWAY CENTERLINE MARKINGS TO BE PAINTED YELLOW.

DESIGNER/DRAFTER: J. BRENNAN	CHECKED BY: G. D'AMICO			
SCALE IN FEET 0 40 80 SCALE 1" = 40'				
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 12/18/2013

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

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

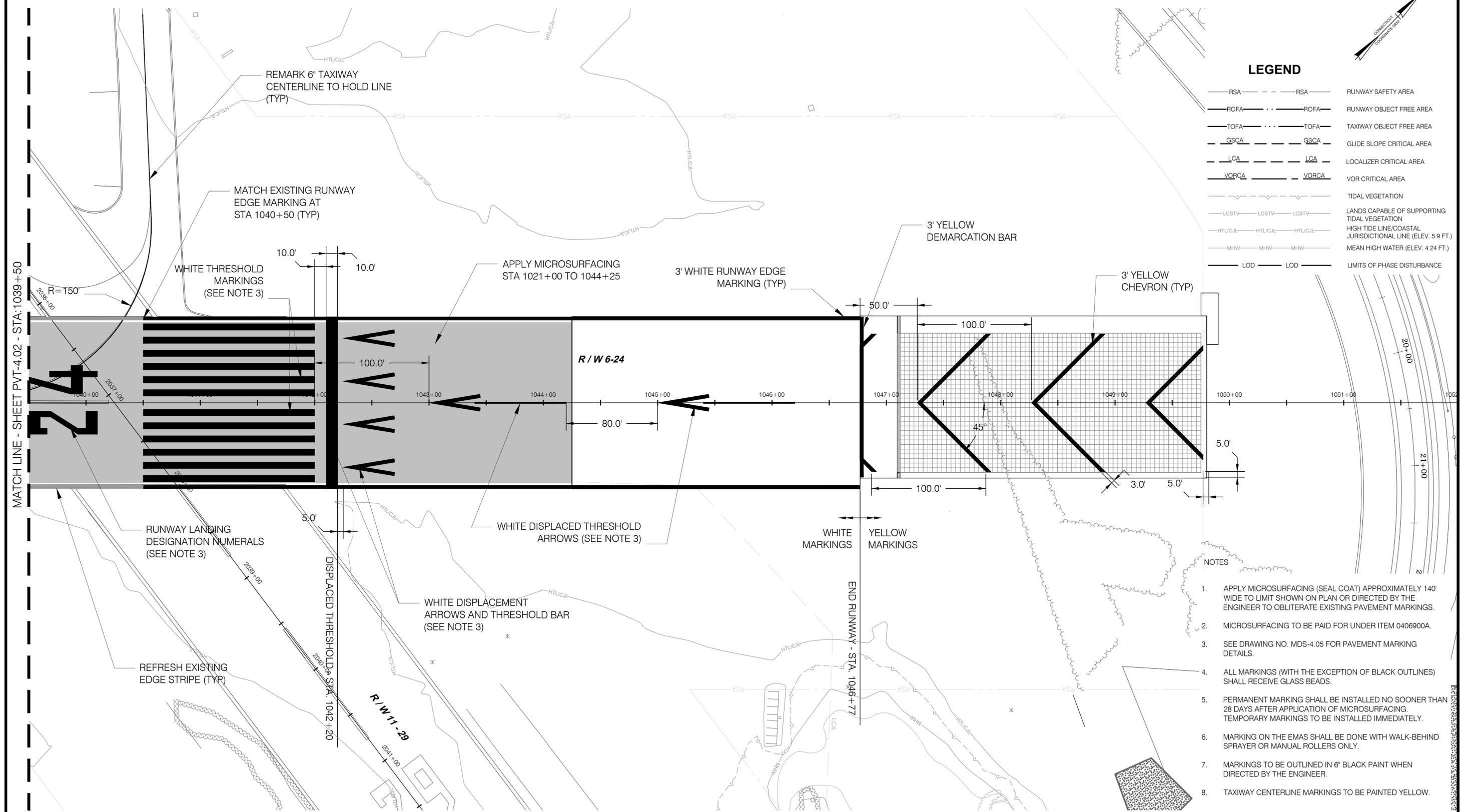
PROJECT TITLE:
**RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX**

TOWN: STRATFORD	PROJECT NO. 15-336
DRAWING TITLE: PAVEMENT MARKING PLAN 2	DRAWING NO. PVT-4.02
	SHEET NO. 04.015



LEGEND

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

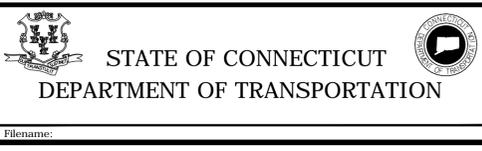


- NOTES**
1. APPLY MICROSURFACING (SEAL COAT) APPROXIMATELY 140' WIDE TO LIMIT SHOWN ON PLAN OR DIRECTED BY THE ENGINEER TO OBLITERATE EXISTING PAVEMENT MARKINGS.
 2. MICROSURFACING TO BE PAID FOR UNDER ITEM 0406900A.
 3. SEE DRAWING NO. MDS-4.05 FOR PAVEMENT MARKING DETAILS.
 4. ALL MARKINGS (WITH THE EXCEPTION OF BLACK OUTLINES) SHALL RECEIVE GLASS BEADS.
 5. PERMANENT MARKING SHALL BE INSTALLED NO SOONER THAN 28 DAYS AFTER APPLICATION OF MICROSURFACING. TEMPORARY MARKINGS TO BE INSTALLED IMMEDIATELY.
 6. MARKING ON THE EMAS SHALL BE DONE WITH WALK-BEHIND SPRAYER OR MANUAL ROLLERS ONLY.
 7. MARKINGS TO BE OUTLINED IN 6" BLACK PAINT WHEN DIRECTED BY THE ENGINEER.
 8. TAXIWAY CENTERLINE MARKINGS TO BE PAINTED YELLOW.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/18/2013

DESIGNER/DRAWER:
J. BRENNAN
CHECKED BY:
G. D'AMICO
SCALE IN FEET
0 40 80
SCALE 1" = 40'



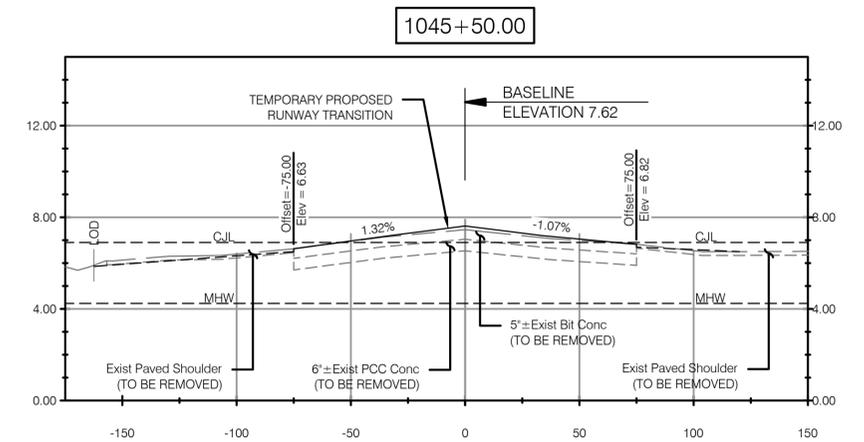
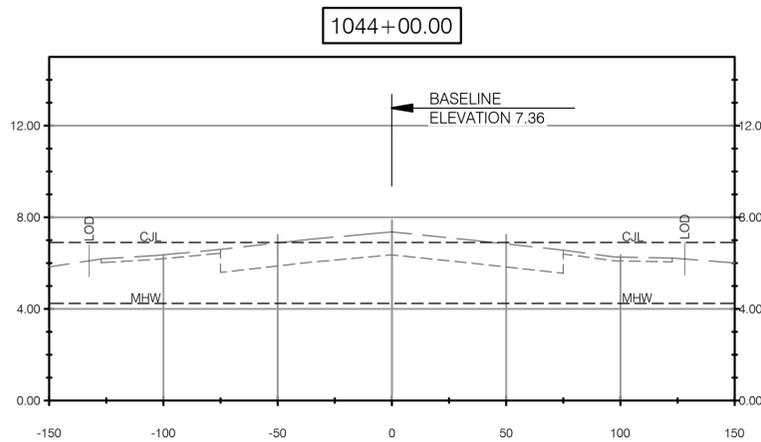
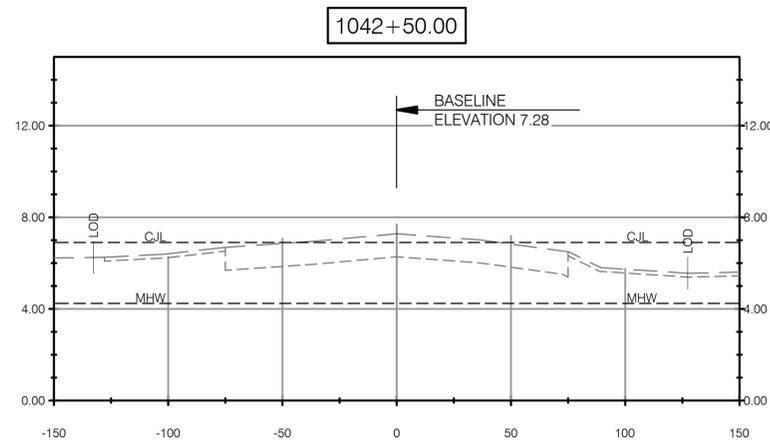
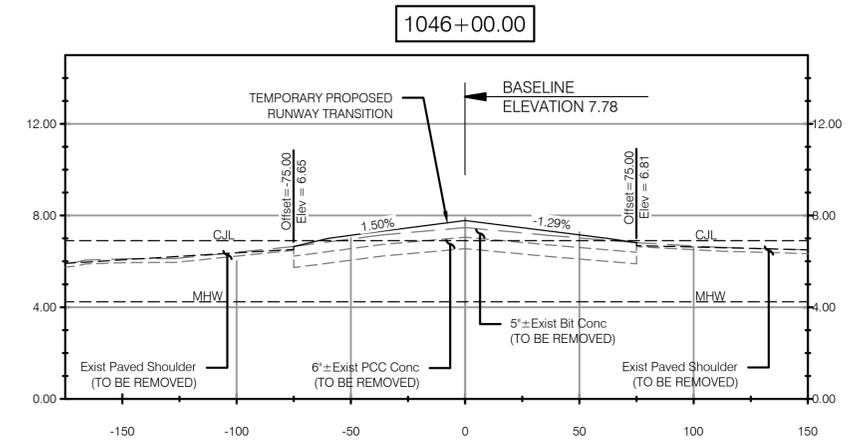
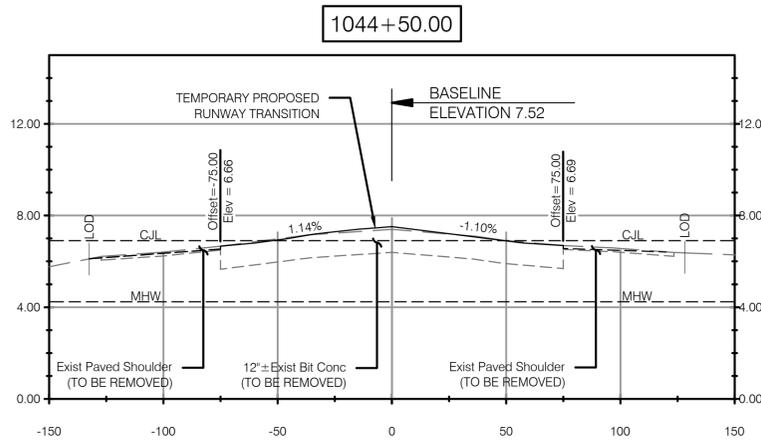
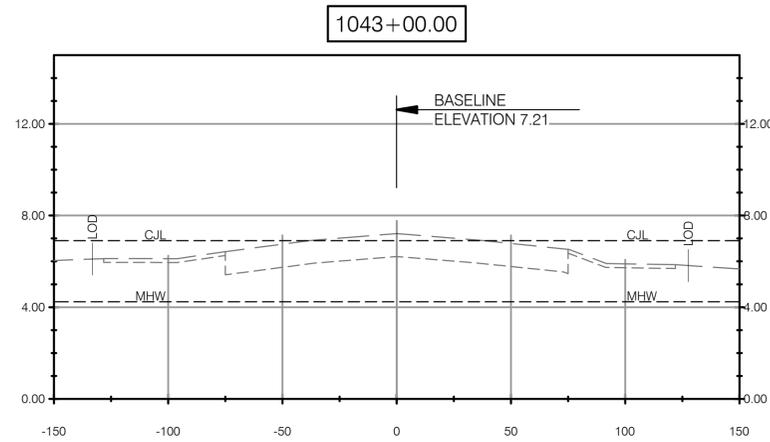
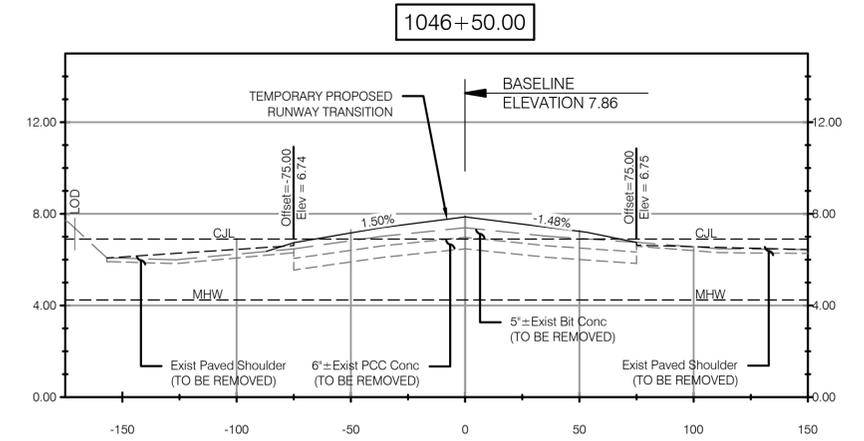
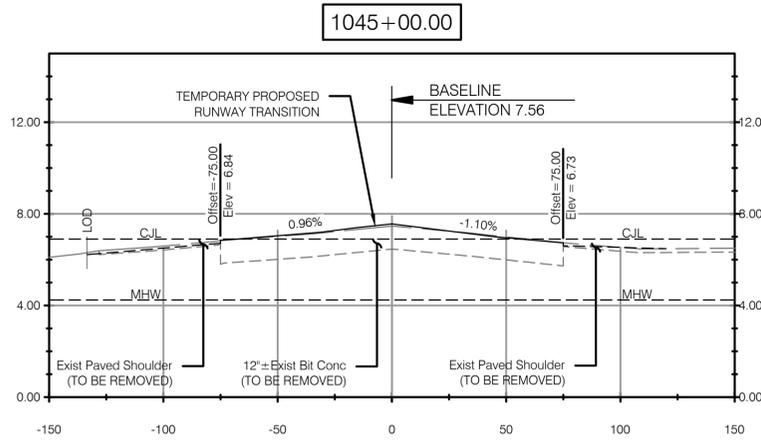
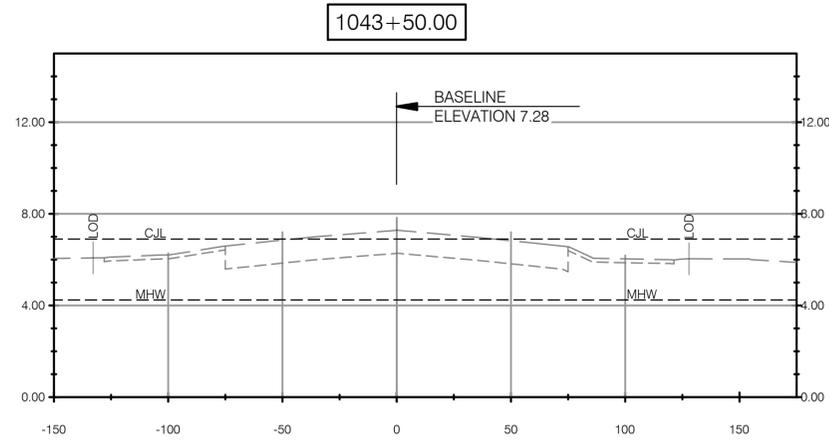
SIGNATURE/BLOCK:

URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06867

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 3

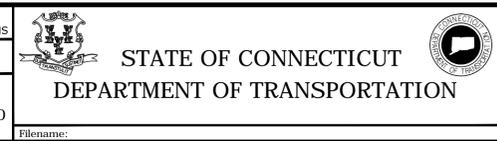
PROJECT NO.
15-336
DRAWING NO.
PVT-4.03
SHEET NO.
04.016



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 11/01/2013

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

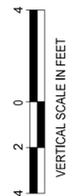
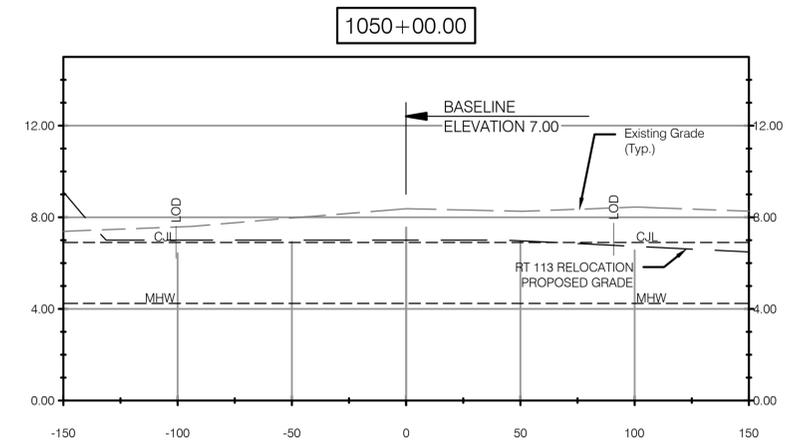
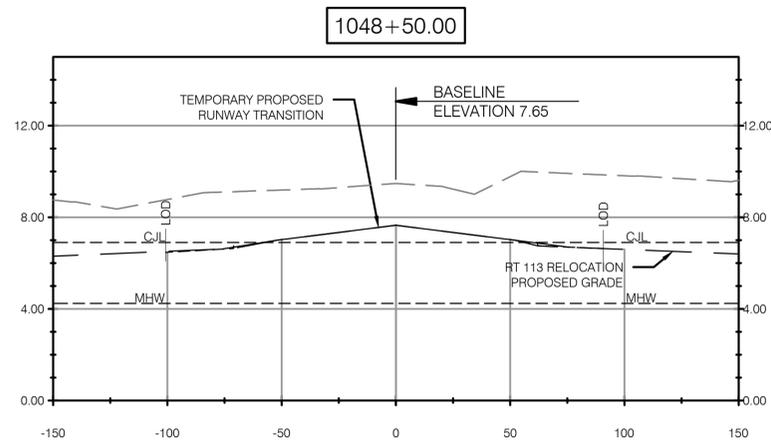
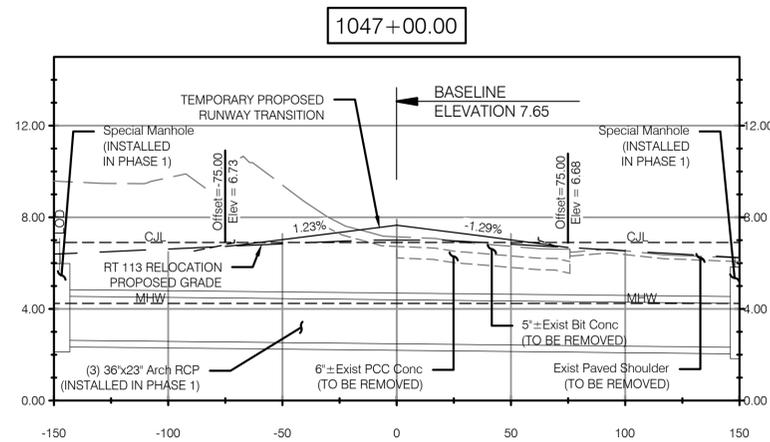
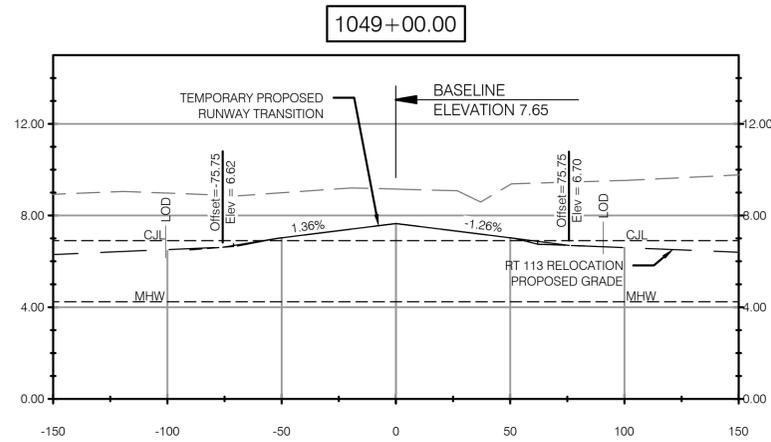
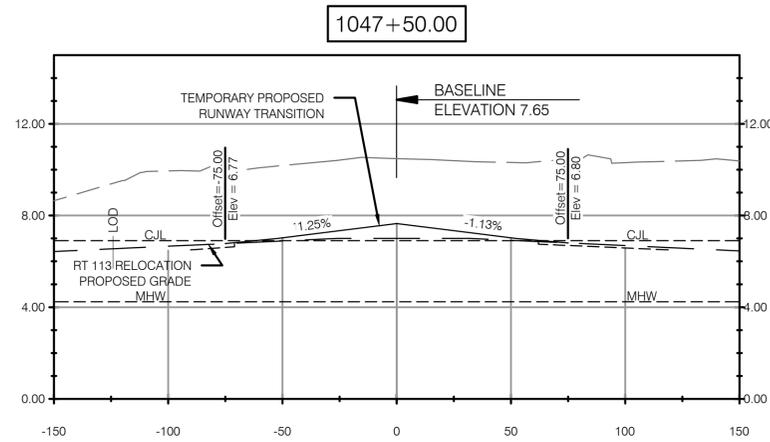
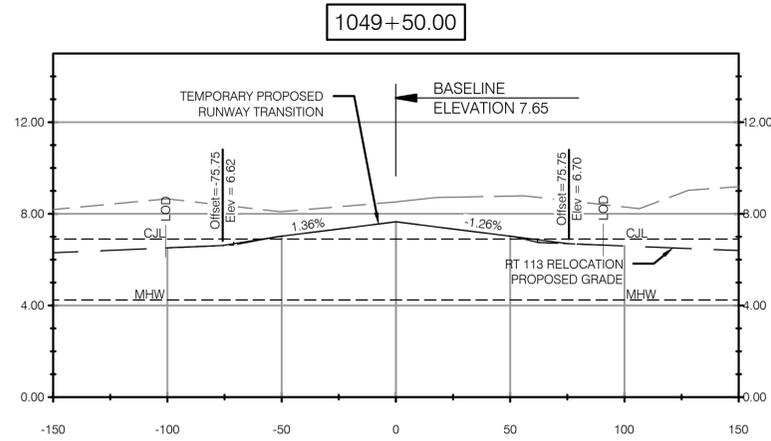
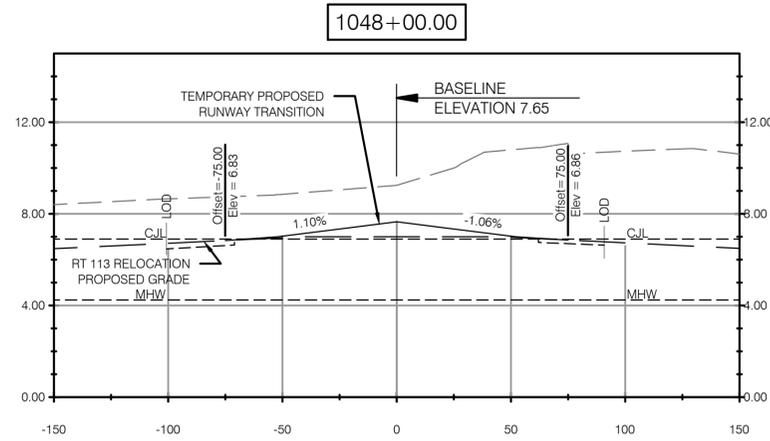


SIGNATURE/BLOCK:
STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06867

PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
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.
04.017



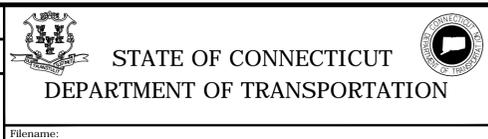
REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 11/01/2013

DESIGNER/DRAFTER:
K. MCCUTCHAN/J. JENKINS

CHECKED BY:
G. D'AMICO

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



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.
04.018

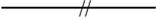
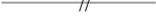
EXISTING LEGEND:

-  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

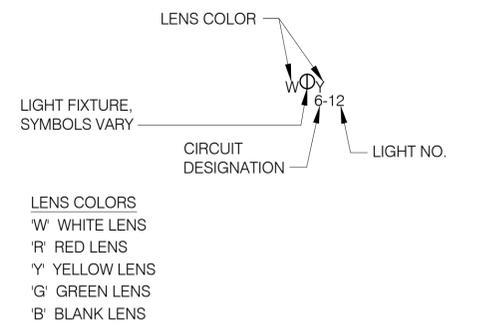
DEMOLITION LEGEND:

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

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 C CABLE IN CONDUIT
-  EXISTING CONDUIT, TICK MARK INDICATES NO. OF #8 AWG L-824, 5KV,
TYPE C CABLE IN CONDUIT
-  ELEVATED RUNWAY THRESHOLD/END LIGHT
-  DUCT MARKER
-  L-867B LIGHT BASE WITH 1/2" STEEL COVER
-  REIL (RUNWAY END IDENTIFIER LIGHT)

LIGHTING SYMBOL CONVENTION:



NOTES

SEE SPECIFICATION ITEM # 0001086A FOR LOCATION OF COUNTERPOISE CABLE

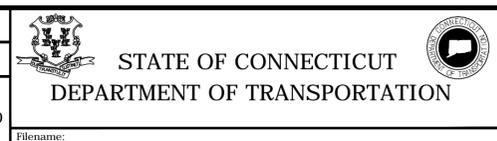
REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/17/2013

DESIGNER/DRAFTER:
E. NEMAN/D. BAUMGARDNER

CHECKED BY:
D. BAKER

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



SIGNATURE/
BLOCK:



URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

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

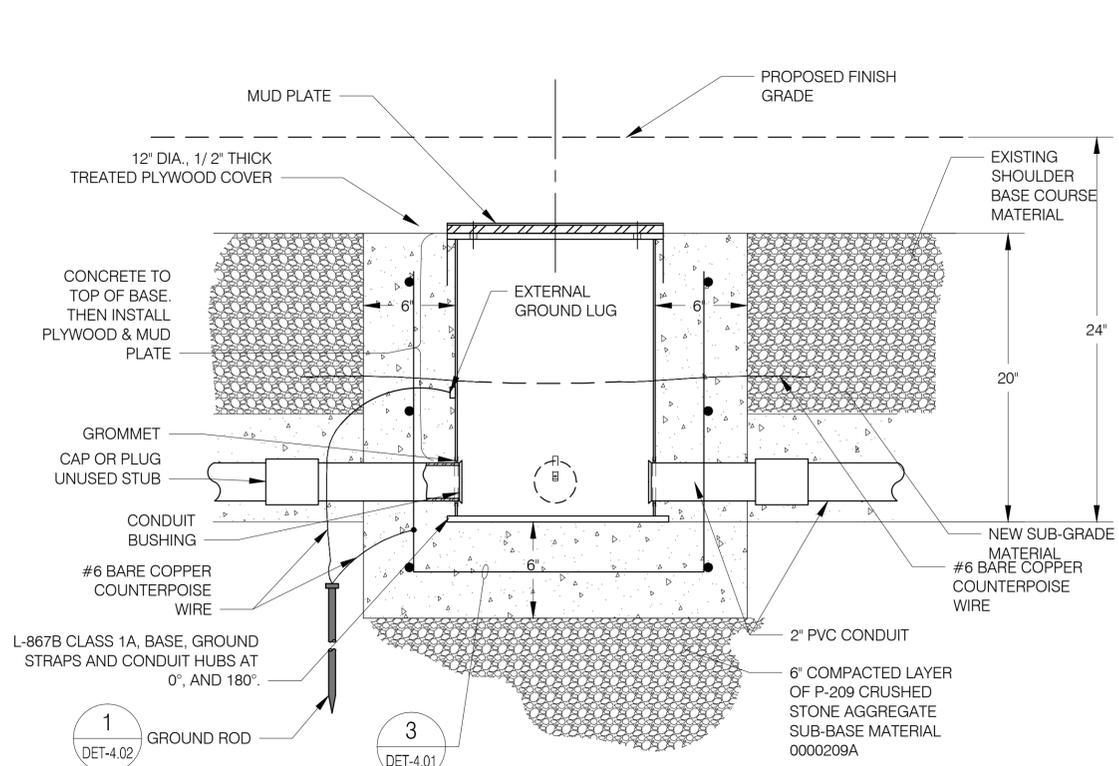
TOWN:
STRATFORD

DRAWING TITLE:
ELECTRICAL LEGENDS

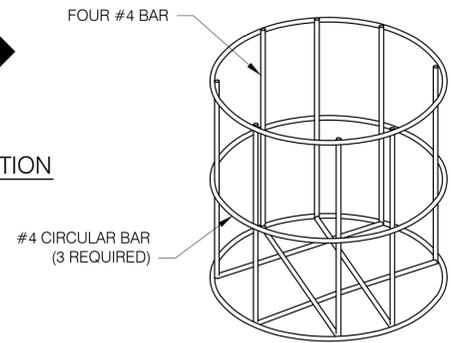
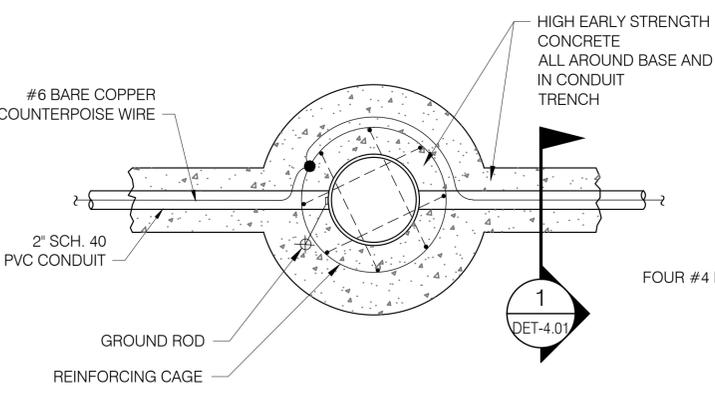
PROJECT NO.
15-336

DRAWING NO.
GPN-4.02

SHEET NO.
04.020

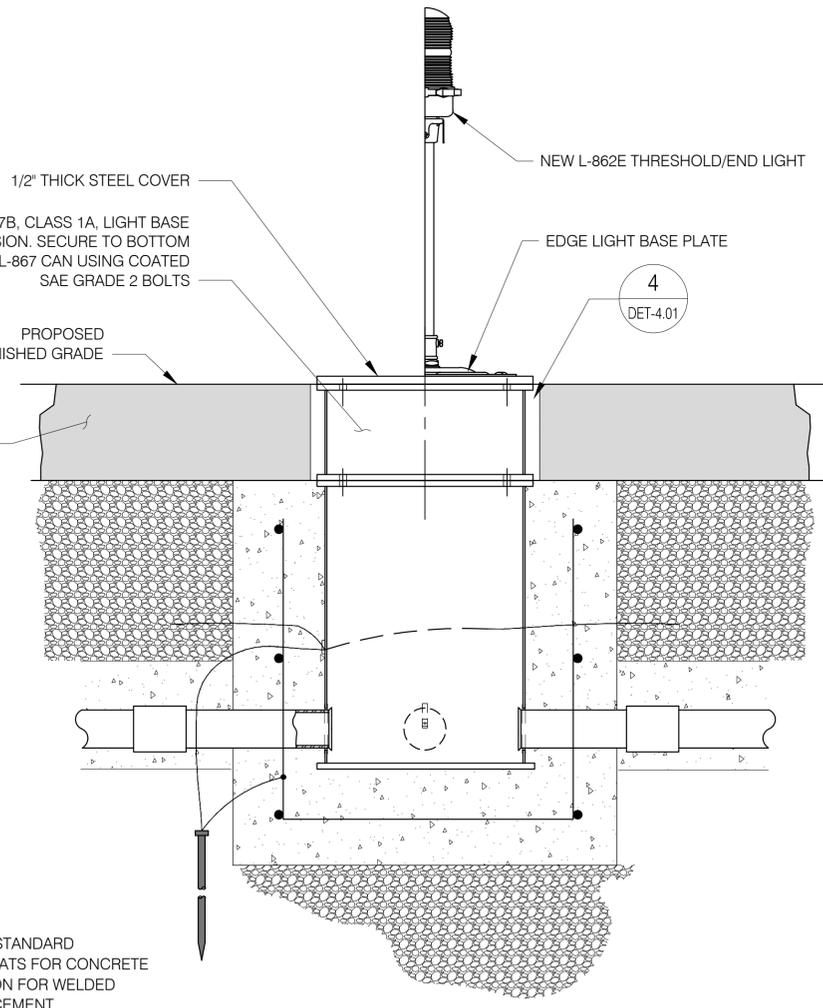


STEP 1



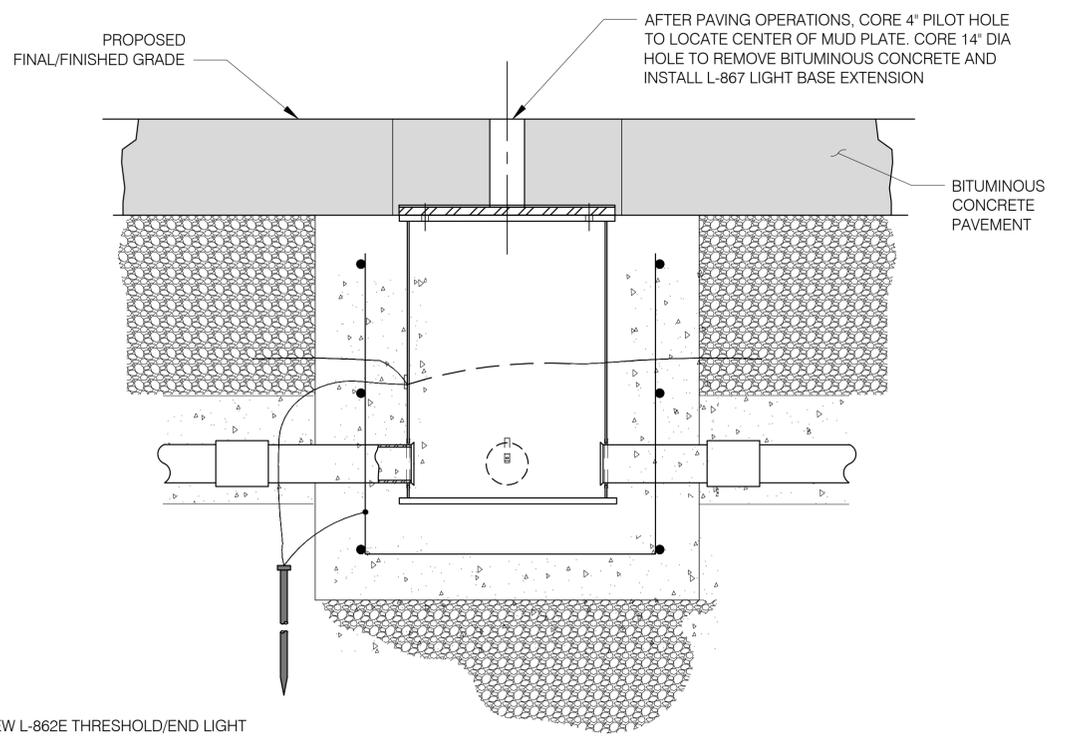
- NOTES:**
- STEEL REINFORCEMENT SHALL CONFORM TO ASTM-A184, STANDARD SPECIFICATION FOR FABRICATED DEFORMED STEEL BAR MATS FOR CONCRETE REINFORCEMENT, OR ASTM-A704, STANDARD SPECIFICATION FOR WELDED STEEL PLAIN BAR OR ROD MATS FOR CONCRETE REINFORCEMENT.
 - BOND CAGE TO COUNTERPOISE

3 DETAIL - REINFORCING CAGE
DET-4.01 NOT TO SCALE

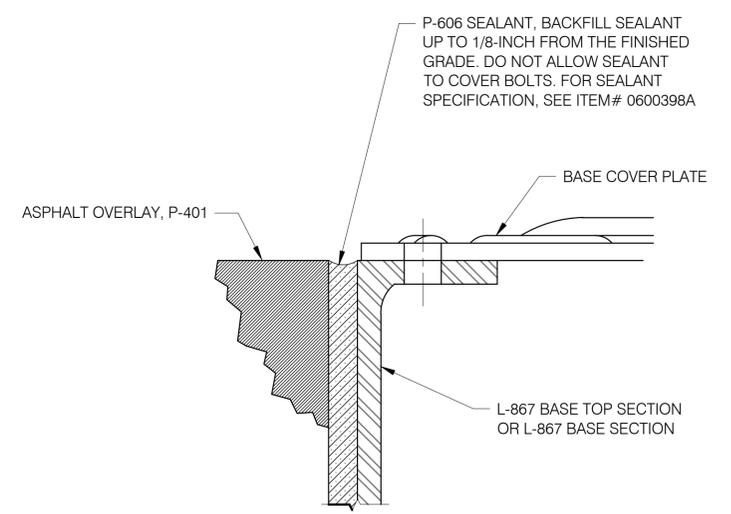


STEP 3

1 DETAIL - EDGE LIGHT BASE IN NEW PAVEMENT
DET-4.01 NOT TO SCALE (STEP 1, STEP 2 & STEP 3)



STEP 2



- NOTES:**
- DEPTH OF P-606 SEALANT SHALL BE EQUAL TO L-867 LIGHT BASE TOP SECTION HEIGHT.
 - CONTRACTOR SHALL HAVE A SUPPLY OF SPACER RINGS WITH DIFFERENT THICKNESSES TO ACCOMMODATE VARYING ASPHALT OVERLAY THICKNESSES.

4 DETAIL - A - ELEVATED LIGHT
DET-4.01 NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/17/2013

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

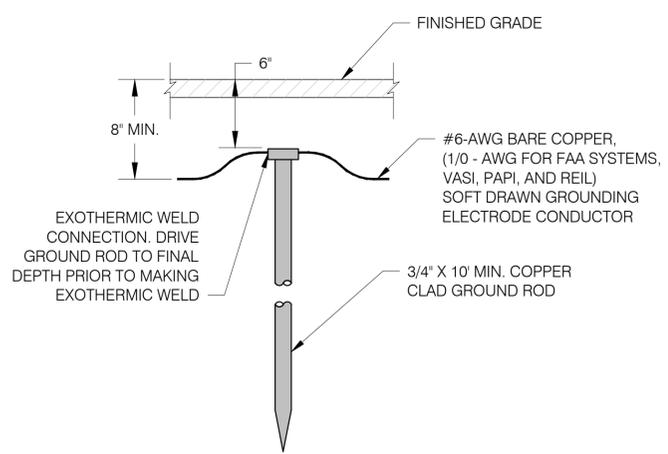
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

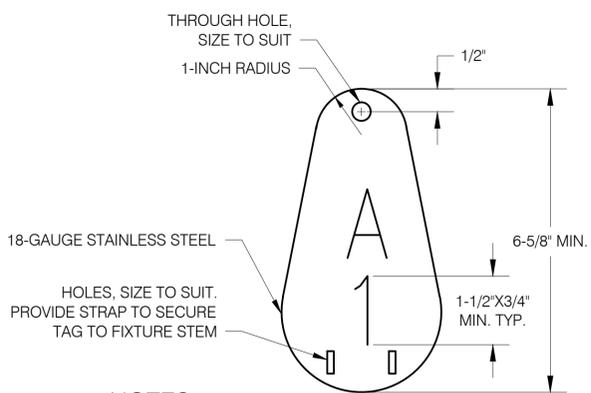
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT
INSTALLATION OF RUNWAY 24 EMAS
AIP NO. 3-09-0002-XX

TOWN:
STRATFORD
DRAWING TITLE:
ELECTRICAL DETAILS 1

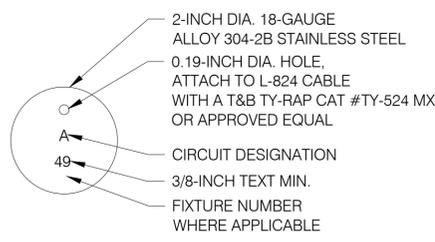
PROJECT NO.
15-336
DRAWING NO.
DET-4.01
SHEET NO.
04.021



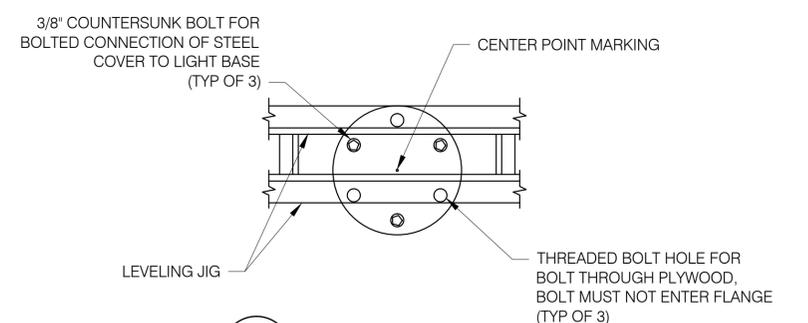
1 DETAIL - GROUND ROD
DET-4.02 NOT TO SCALE



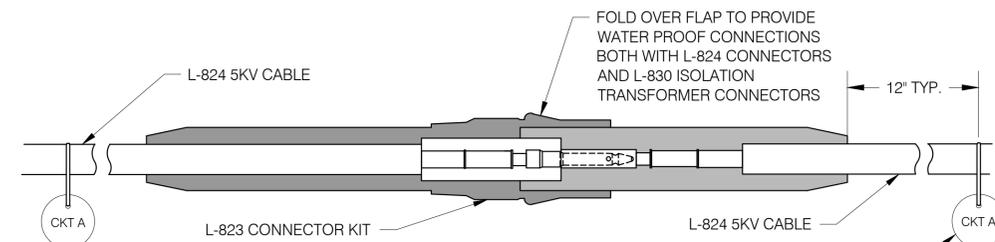
2 DETAIL - FIXTURE ID TAG
DET-4.02 NOT TO SCALE



3 DETAIL - CABLE TAG
DET-4.02 NOT TO SCALE

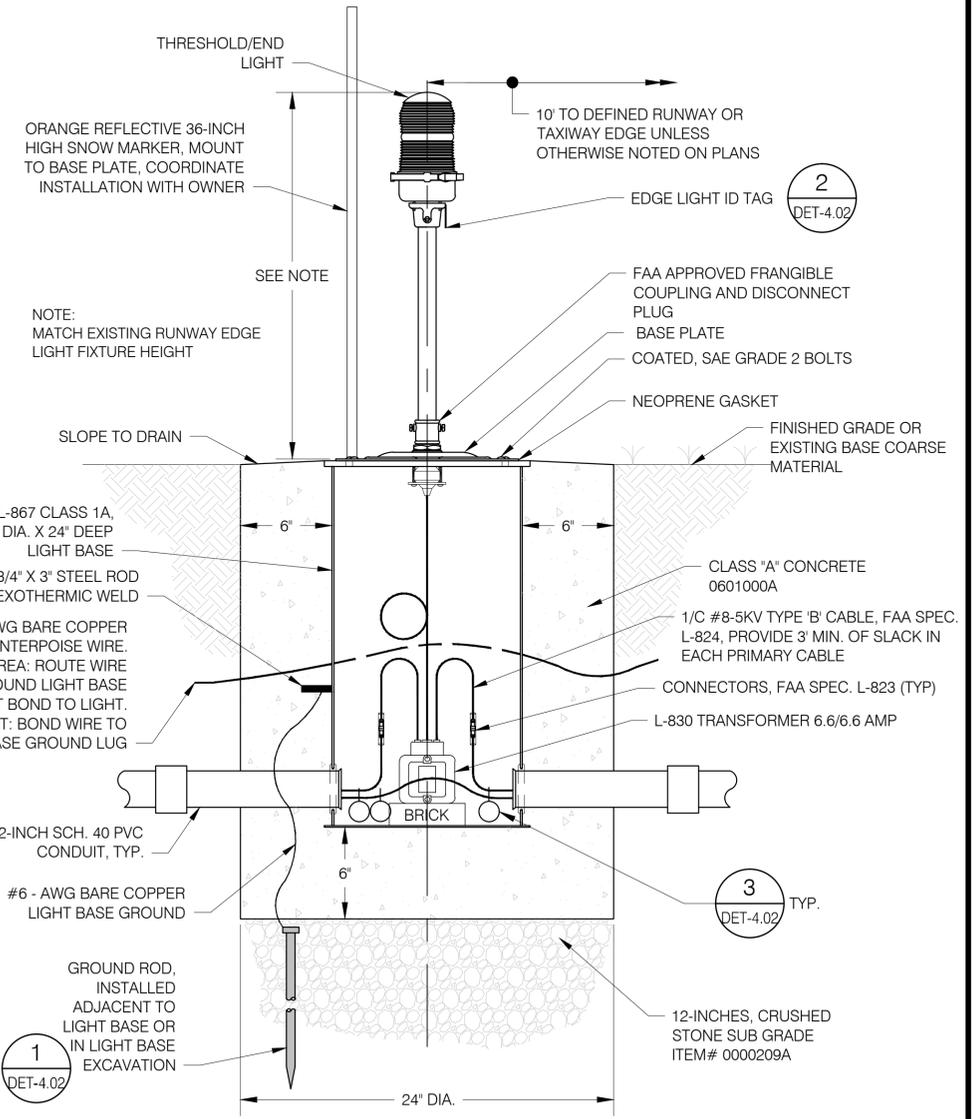


4 DETAIL - STEEL COVER
DET-4.02 NOT TO SCALE

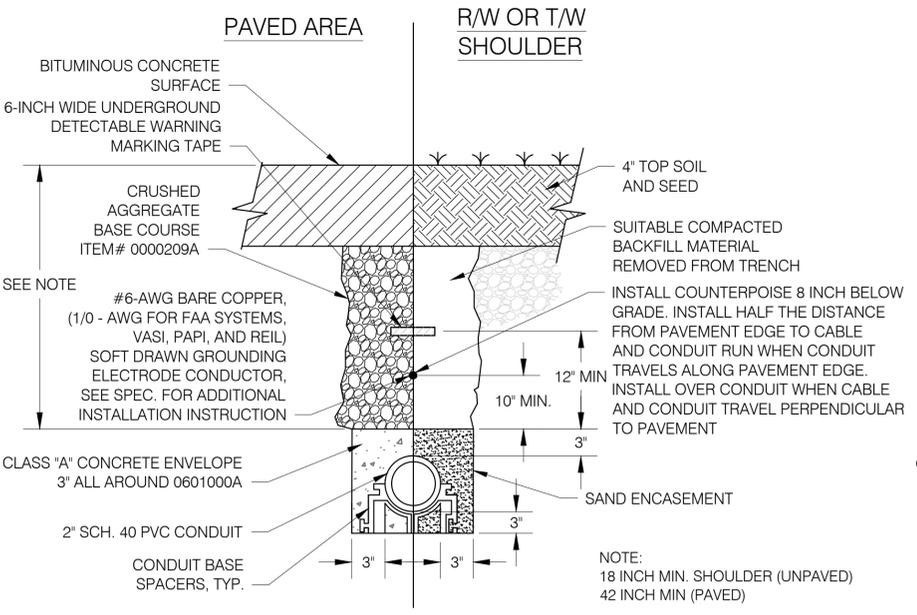


5 DETAIL - L-823 CABLE CONNECTOR
DET-4.02 NOT TO SCALE

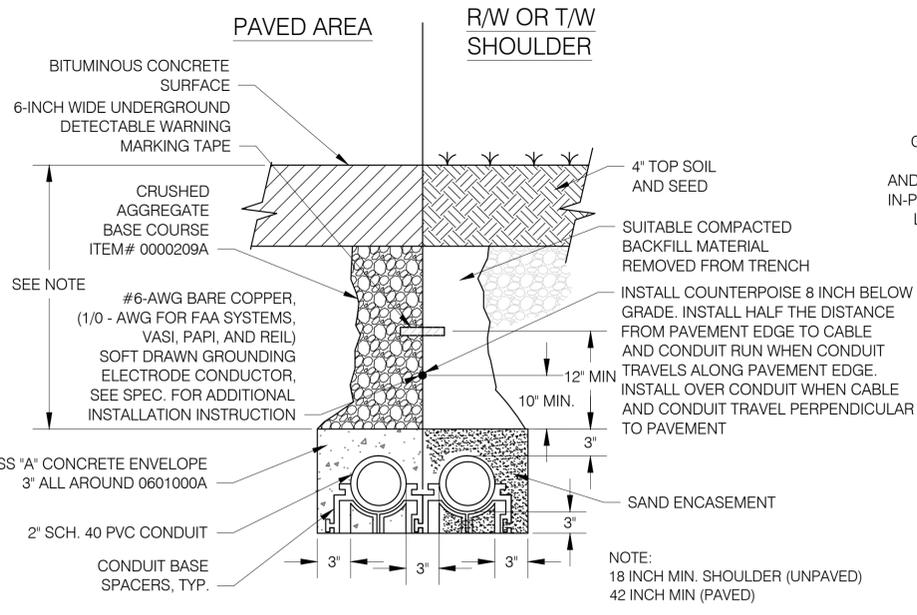
3 CABLE ID TAG
DET-4.02



8 DETAIL - INSTALLATION OF ELEVATED EDGE LIGHT IN GRASS AREA
DET-4.02 NOT TO SCALE



6 SECTION - CONDUIT IN EXISTING PAVEMENT
DET-4.02 NOT TO SCALE



7 SECTION - CONDUIT IN EXISTING PAVEMENT
DET-4.02 NOT TO SCALE

DESIGNER/DRAFTER: E. NEMAN/D. BAUMGARDNER	CHECKED BY: D. BAKER			
SCALE IN FEET 0 40 80 SCALE 1" = 40'				
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted: 12/17/2013

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06867

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

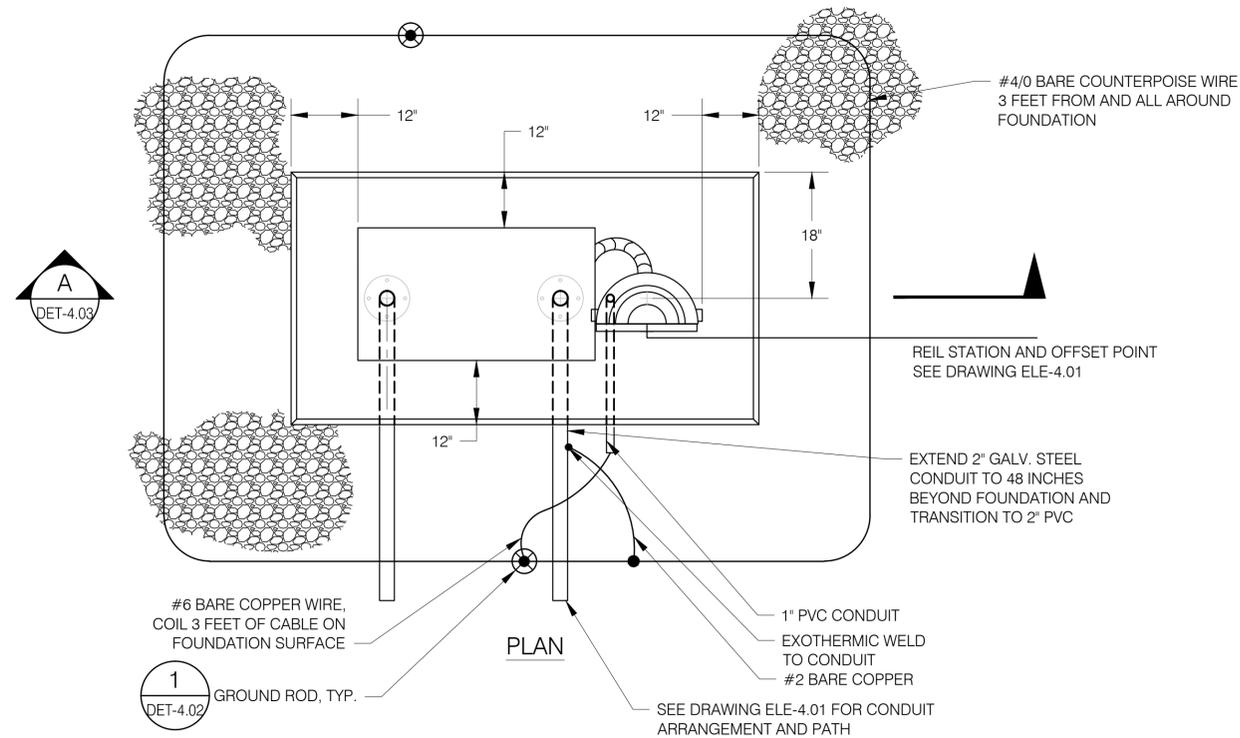
TOWN:
STRATFORD

DRAWING TITLE:
ELECTRICAL DETAILS 2

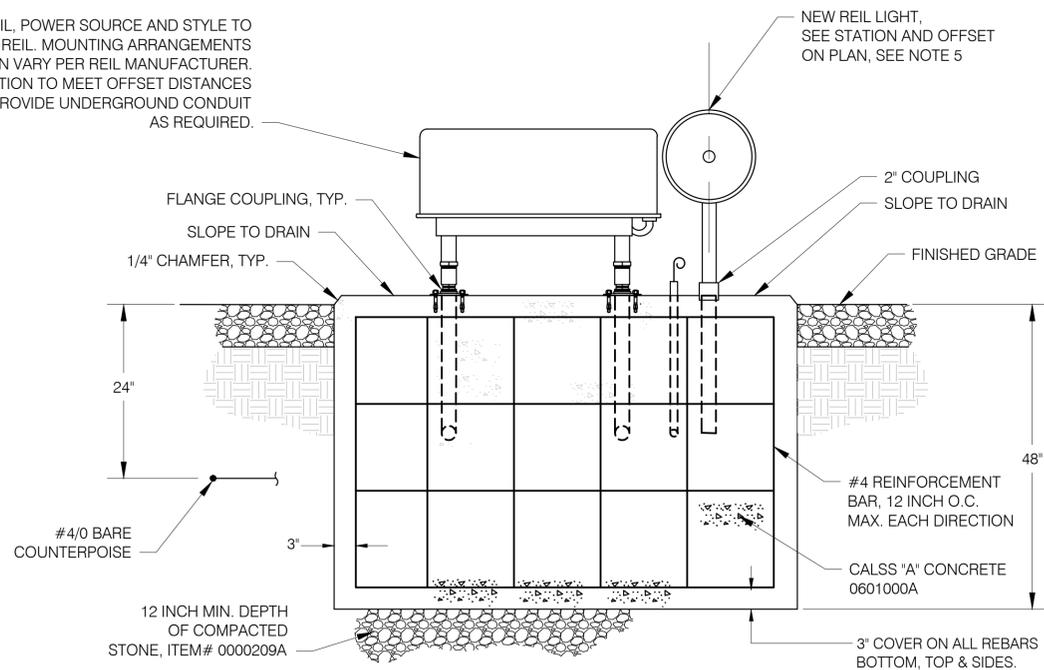
PROJECT NO.:
15-336

DRAWING NO.:
DET-4.02

SHEET NO.:
04.022



NEW L-849 REIL, POWER SOURCE AND STYLE TO MATCH EXISTING 24 REIL. MOUNTING ARRANGEMENTS ON FOUNDATION VARY PER REIL MANUFACTURER. SIZE FOUNDATION TO MEET OFFSET DISTANCES FROM EDGE. PROVIDE UNDERGROUND CONDUIT AS REQUIRED.



2 DETAIL - RUNWAY 6 REIL FOUNDATION
NOT TO SCALE

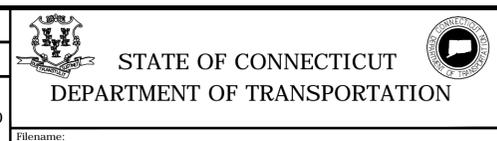
NOTES:

- REIL FOUNDATION PLAN IS REPRESENTATIVE OF NORTH REIL LIGHT. SOUTH REIL LIGHT LAYOUT IS MIRROR IMAGE OF PLAN VIEW SHOWN ABOVE.
- PROVIDE GEOTEXTILE FABRIC, COVERED WITH 6" LAYER OF 3/4" CRUSHED STONE, IN SQUARE PATTERN TO 4'-0" (MIN) FROM REIL FOUNDATION EDGE.
- SURVEY LOCATION AND SPACING OF EXISTING PLAN VIEW REIL CONDUIT. USE EXISTING CONDUIT SPACING DIMENSIONS WHEN INSTALLING NEW CONDUIT, TYP.
- EXOTHERMICALLY WELD ALL GROUND CONDUCTOR CONNECTIONS. THE BEAM CENTERLINE (AIMING ANGLE) OF EACH LIGHT UNIT IS AIMED 15 DEGREES OUTWARD FROM A LINE PARALLEL TO THE RUNWAY CENTERLINE AND INCLINED AT AN ANGLE 10 DEGREES ABOVE THE HORIZONTAL.
- INSTALLATION OF REIL SHALL CONFORM TO AC-150-5340-30G.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/17/2013

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



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

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 3

PROJECT NO.
15-336
DRAWING NO.
DET-4.03
SHEET NO.
04.023



LEGEND

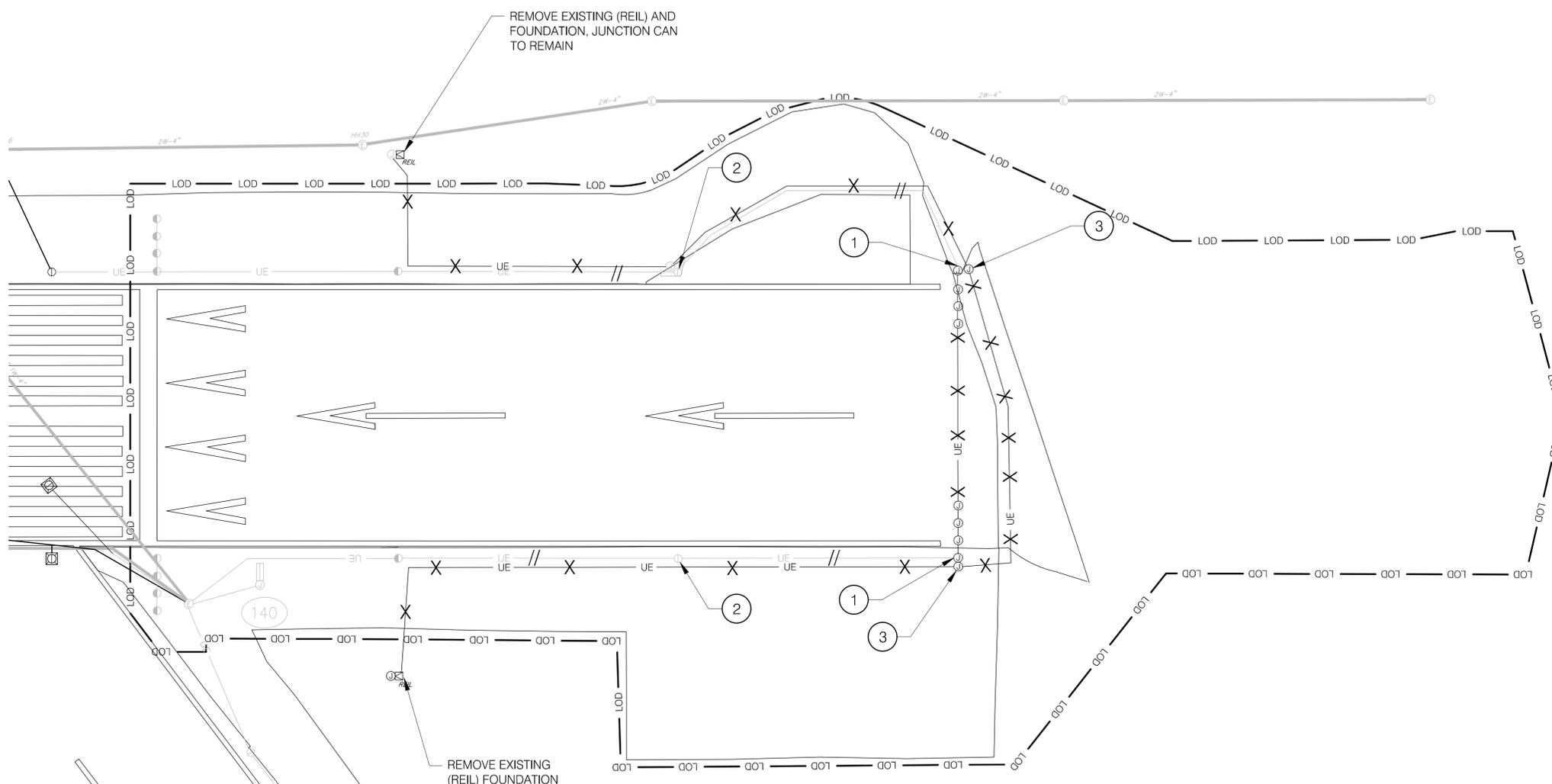
- RSA — — — — — RSA — — — — — RUNWAY SAFETY AREA
- ROFA — — — — — ROFA — — — — — RUNWAY OBJECT FREE AREA
- TOFA — — — — — TOFA — — — — — TAXIWAY OBJECT FREE AREA
- GSCA — — — — — GSCA — — — — — GLIDE SLOPE CRITICAL AREA
- VORCA — — — — — VORCA — — — — — VOR CRITICAL AREA
- — — — — TIDAL VEGETATION
-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

DRAWING NOTES:

- ① CUT EXISTING CONDUIT AS REQUIRED FOR REMOVAL LIGHT BASE.
- ② DISCONNECT RUNWAY EDGE LIGHT CIRCUIT TOWARD THRESHOLD LIGHT.
- ③ REMOVE JUNCTION CAN, COST IS INCIDENTAL TO ITEM # 0202401

GENERAL NOTES:

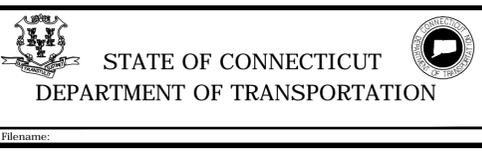
- 1. SEE DRAWING NO. GPN-4.01 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
- 2. SEE DRAWING NO. GPN-4.02 FOR ELECTRICAL LEGENDS
- 3. REFER TO VOLUME 3 FOR PROJECT PHASING
- 4. CONTRACTOR SHALL REMOVE 8 TEMPORARY DISPLACED THRESHOLD LIGHTS (INSTALLED PER SHEET NO. 03.012) @ STATION 1038+00 AND SPLICE CABLES AS NECESSARY TO MAINTAIN RUNWAY EDGE CIRCUIT



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/18/2013

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



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

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.
04.024



LEGEND

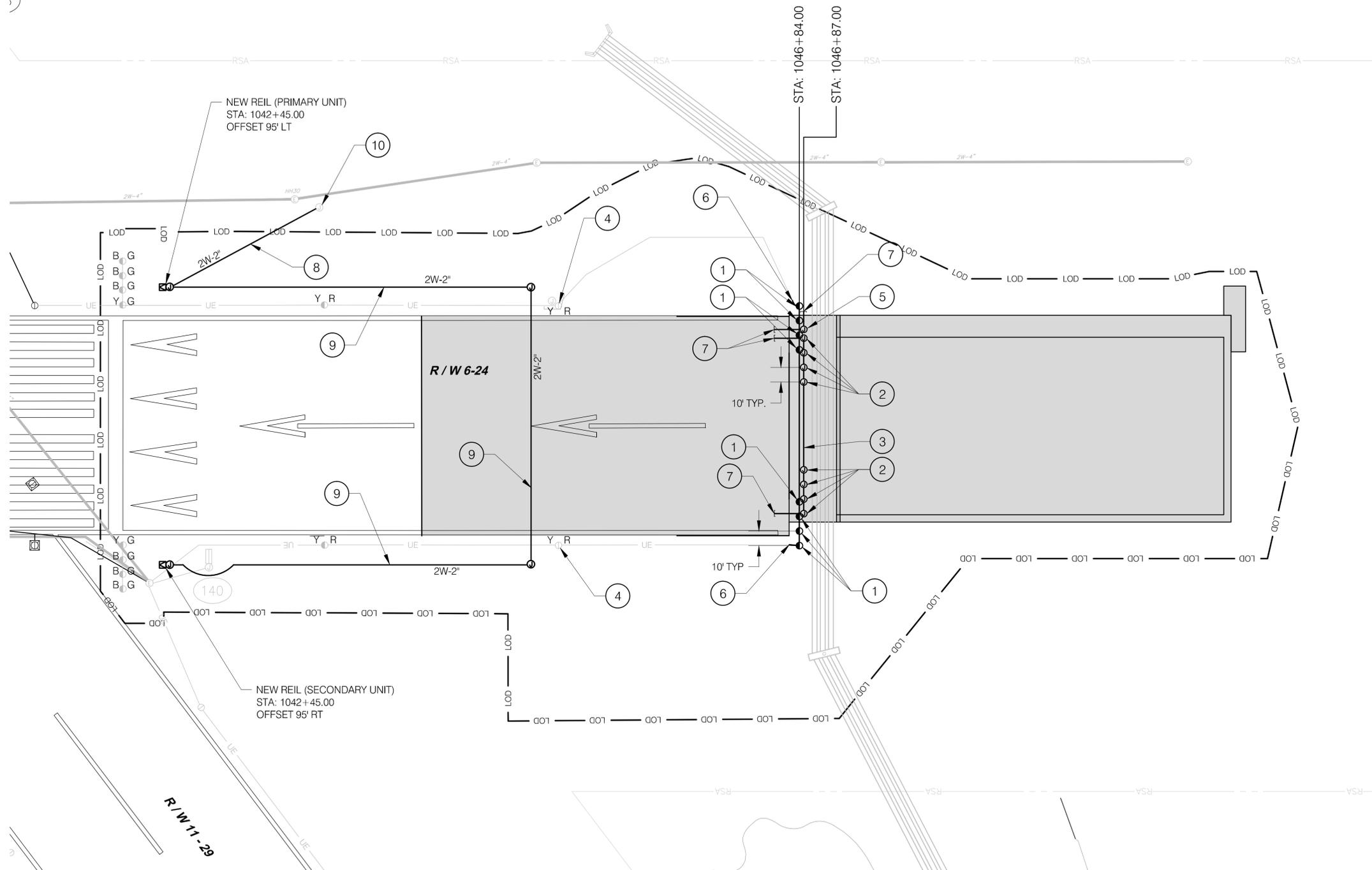
- RSA — — — RSA — — — RUNWAY SAFETY AREA
- ROFA — — — — — ROFA — — — — — RUNWAY OBJECT FREE AREA
- TOFA — — — — — TOFA — — — — — TAXIWAY OBJECT FREE AREA
- GSCA — — — — — GSCA — — — — — GLIDE SLOPE CRITICAL AREA
- VORCA — — — — — VORCA — — — — — VOR CRITICAL AREA
- — — — — TIDAL VEGETATION
- LCSTV —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

DRAWING NOTES:

- ① INSTALL NEW RUNWAY THRESHOLD LIGHT FIXTURE AND TRANSFORMER ON NEW BASE (360 DEGREE RED)
- 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 MAKE SPLICE TO EXISTING RUNWAY EDGE LIGHT CIRCUIT AT LOCATION OF EXISTING LIGHT FIXTURE
- ⑤ INSTALL NEW L-867 LIGHT BASE WITH 1/2" STEEL COVER FOR FUTURE TAXIWAY EDGE LIGHT FIXTURE
- ⑥ HAND EXCAVATE TO EXPOSE EXISTING CONDUIT, CONNECT EXISTING CONDUIT TO NEW CONDUIT
- ⑦ TERMINATE CONDUIT 5 FEET FROM EXISTING PAVEMENT OR 5 FEET FROM FIXTURE WHEN UNDER PAVEMENT AT 18 INCHES BELOW FINISHED GRADE, CAP AND SEAL CONDUIT FOR FUTURE USE
- ⑧ INSTALL POWER AND CONTROL CABLES MATCH WITH EXISTING
- ⑨ INSTALL POWER AND CONTROL CABLES PER MANUFACTURER RECOMMENDATION
- ⑩ SPLICE TO EXISTING POWER AND CONTROL CABLES AT LOCATION OF EXISTING REIL JUNCTION BOX

GENERAL NOTES:

- 1. SEE DRAWING NO. GPN-4.01 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
- 2. SEE DRAWING NO. GPN-4.02 FOR ELECTRICAL LEGENDS
- 3. REFER TO VOLUME 3 FOR PROJECT PHASING
- 4. MODIFY RUNWAY EDGE LIGHTS FROM STA: 1022+00 TO 1027+00 TO EMIT WHITE IN BOTH DIRECTIONS (360 DEGREE WHITE)



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 12/18/2013

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

SIGNATURE/
BLOCK:

URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06867

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.
04.025