VOLUME 8 - RAYMARK WASTE DISPOSAL
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
08.001	RAYMARK WASTE REMOVAL INDEX OF DRAWINGS		
08.002	GENERAL NOTES		
08.003	EXISTING CONDITIONS PLAN		
08.004	PROPOSED WASTE REMOVAL PLAN		
08.005	NOT INCLUDED		
08.006	SITE GRADING AND EROSION CONTROL PLAN		
08.007	SITE UTILITY PLAN		
08.008	FINAL RESTORATION PLAN		
08.009	DISPOSAL TRUCKING ROUTE		
08.010	SITE DETAILS-1		
08.011	SITE DETAILS-2		
08.012	SITE DETAILS-3		
08.013	SITE DETAILS-4		
08.014	SITE DETAILS-5		
08.015	SITE DETAILS-6		

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 5/3/2013

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-01-cover.dgn

SIGNATURE/ BLOCK:

RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT

STRATFORD

DRAWING TITLE:
VOLUME 8 - RAYMARK WASTE REMOVAL

15-336
DRAWING NO.
RMW-8.01
SHEET NO.
08.001

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), THE DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION(DEEP), THE ENVIRONMENTAL PROTECTION AGENCY (EPA).

2. THE PROJECT IS TO BE COMPLETED IN CONFORMANCE WITH THE REMOVAL WORK PLAN FOR THE TIME CRITICAL REMOVAL ACTION AIRPORT PROPERTY PORTION OF OU6 RAYMARK INDUSTRIES, INC., SUPER FUND SITE PREPARED BY URS CORPORATION AES, DATED MARCH 2013 AND AS CONTAINED IN THE CONTRACT. THE PROJECT SHALL BE CONSTRUCTED IN A TIMELY MANNER IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.

3. WHEN STATED, THE CONTRACTOR IS EXPECTED TO MEET COMPLETION OF CRITICAL PORTIONS OF THE PROJECT, AND OPEN ROUTE 113 TO TRAFFIC BY THE SPECIFIED TIMES AND TO COMPLETE THE 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 AND THE ENGINEER IS MANDATORY TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.

5. CONSTRUCTION AND MAINTENANCE OPERATIONS BY OTHERS WILL 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.

6. ACCESS TO THE SITE - THE CONTRACTOR'S ACCESS POINTS TO THE SITE ARE SHOWN ON THE PROPOSED WASTE REMOVAL 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 REMOVAL WORK IS UNDERWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL ACCESS POINTS BEING USED AT THE END OF EACH CONSTRUCTION DAY AND/OR WHEN ACCESS POINTS ARE UNATTENDED.

7. DISPOSAL TRUCKING ROUTE - APPROXIMATE LOCATION OF HAUL ROUTES ON THE SITE ARE SHOWN ON THE PROPOSED WASTE REMOVAL PLAN. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO COORDINATE DISPOSAL TRUCKING ROUTE WITH (STATE OR CITY HIGHWAYS) THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE.

8. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE 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. MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT AND MAINTAIN ON-SITE HAUL ROUTE, CONTINGENCY HAUL ROUTE OR ACCESS POINTS TO THE SITE WILL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING THE WORK.

9. CONTRACTOR'S STAGING AREAS - AN AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON THE PROPOSED WASTE REMOVAL PLAN. THE CONTRACTOR'S STAGING AREA SHALL BE CLEARED OF ASPHALT, GRADED, TOP SOILED, SEEDED AND MULCHED UPON COMPLETION OF USE, AT THE CONTRACTOR'S EXPENSE.

10. DISPOSAL FACILITIES - CONTRACTOR TO REFER TO THE APPROVED RECEIVING FACILITIES LISTED IN THE RAYMARK REMOVAL PLAN.

11. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTE.

12. 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.

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

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

15. THE HORIZONTAL CONTROL ON THIS PROJECT IS TIED TO THE 1989 AND 1929 NATIONAL GEODETIC HORIZONTAL AND VERTICAL DATUM RESPECTIVELY.

16. 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 THE CONSTRUCTION. IN THE EVENT ANY UTILITY IS DAMAGED THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR INCURRED COSTS OF REPAIRS.

    2) UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED ON THE CONTRACT DRAWINGS HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY RESPECTIVE UTILITY COMPANIES, AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER UTILITY AND UNDERGROUND FEATURES, WHICH ARE UNKNOWN TO URS CORPORATION AES, MAY EXIST ON THE SITE. THE PRESENCE, SIZE AND LOCATION OF ALL UNDERGROUND FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REQUEST MARK OUT OF UTILITY LOCATIONS FROM CALL BEFORE YOU DIG (1-800-822-4455) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATION.

    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	1-866-268-2887
AT&T (KENNETH SHERMAN)	1-203-238-0020
UNITED ILLUMINATING (UI)	1-800-722-5584
FAA	1-203-773-2158
CABLE VISION	1-203-696-4764
AQUARION	1-203-445-7310

17. THE PROJECT AREA IS LOCATED IN ZONE AE(ELEV 15 NGVD 29) PER THE NATIONAL FLOOD INSURANCE PROGRAM MAP, COMMUNITY PANEL NUMBER 090016 0461 G, DATED: PRELIMINARY OCTOBER 30, 2011 WITH THE LETTER OF DETERMINATION ON JANUARY 8, 2013 AND SCHEDULED EFFECTIVE DATE OF JULY 8, 2013.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 5/3/2013

B.ANNU

CHECKED BY: F.WALSH

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\RMW-02-General Notes.dgn

SIGNATURE/ BLOCK:

RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT

STRATFORD

DRAWING TITLE: GENERAL NOTES

15-336

DRAWING NO. RMW-8.02

SHEET NO. 08.002

Border Version: 10/19/07

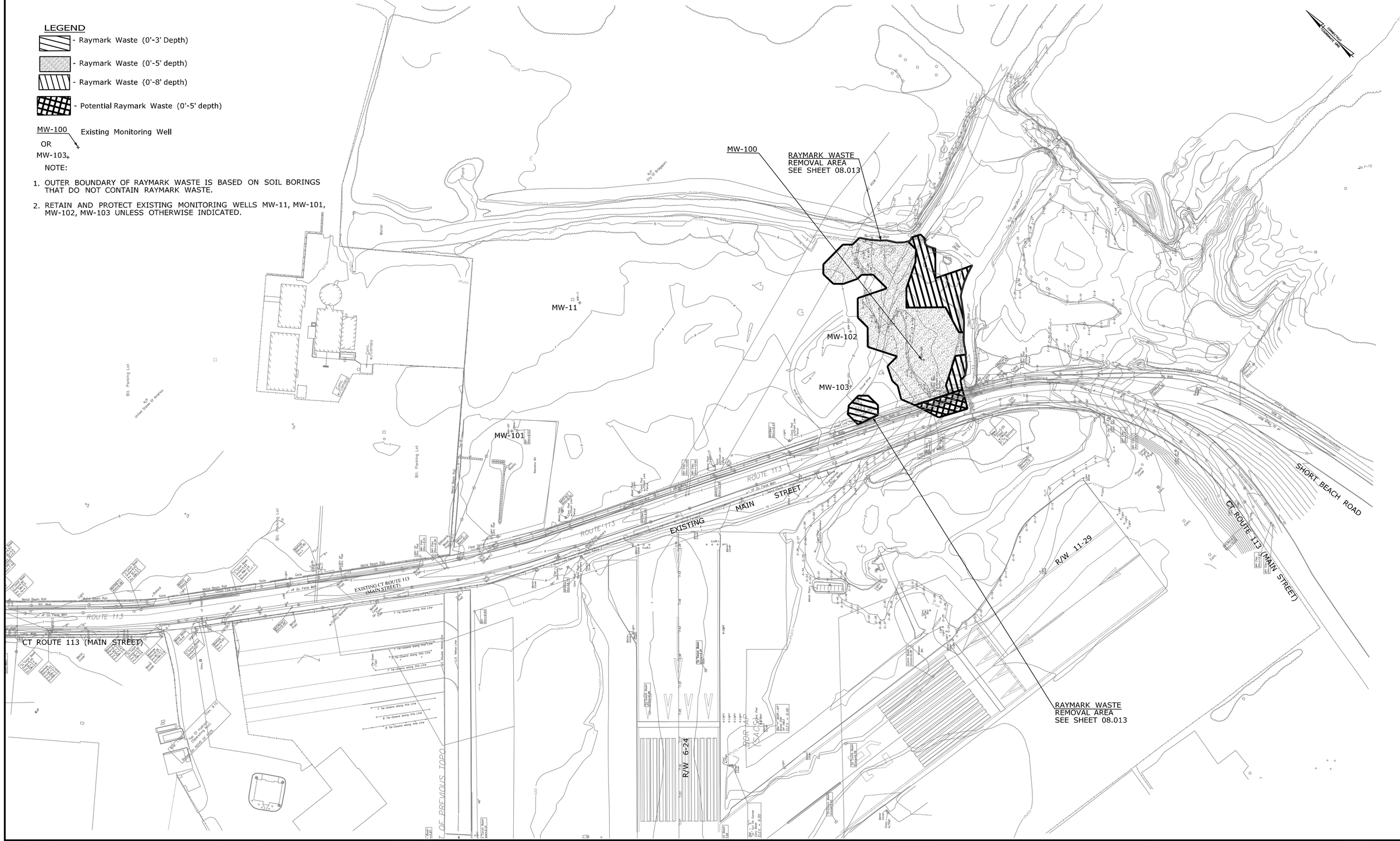
LEGEND

- Raymark Waste (0'-3' Depth)
- Raymark Waste (0'-5' depth)
- Raymark Waste (0'-8' depth)
- Potential Raymark Waste (0'-5' depth)

MW-100 OR MW-103 — Existing Monitoring Well

NOTE:

1. OUTER BOUNDARY OF RAYMARK WASTE IS BASED ON SOIL BORINGS THAT DO NOT CONTAIN RAYMARK WASTE.
2. RETAIN AND PROTECT EXISTING MONITORING WELLS MW-11, MW-101, MW-102, MW-103 UNLESS OTHERWISE INDICATED.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 5/3/2013

DESIGNER/DRAFTER: B.ANNU

CHECKED BY: F. WALSH

SCALE IN FEET
0 80 160
SCALE 1"=80'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FINAL PLANS\Sheets\RMW-03.dgn

SIGNATURE/ BLOCK:

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

TOWN: STRATFORD

DRAWING TITLE: EXISTING CONDITIONS PLAN

PROJECT NO. 15-336
DRAWING NO. RMW-8.03
SHEET NO. 08.003

Border Version: 10/19/07

LEGEND

MHW	MEAN HIGH WATER 4.24'
HTL/CJL	HIGH TIDE LINE 5.9'
	CAPABLE OF SUPPORTING TIDAL WETLANDS
100 YR	100 YEAR FLOODPLAIN
500 YR	500 YEAR FLOOD PLAIN
	- Raymark Waste (0'-3' depth)
	- Raymark Waste (0'-5' depth)
	- Raymark Waste (0'-7' depth)
	- Potential Raymark Waste (0'-5' depth)

REMOVAL WORK PLAN NOTES:

1. CONTRACTOR TO CONSTRUCT SITE FACILITIES INCLUDING FENCE, TRUCK WASH, ON-SITE HAUL ROUTES, CONTINGENCY HAUL ROUTES, PAVED ACCESS ROAD, WASTE STABILIZATION PAD AND TENT (ENCLOSURES), CONTINGENCY PAD, SHEET PILE.
2. REMOVAL PROCESS TO BEGIN AT SOUTH AND WORK NORTH TO ALLOW FOR OPENING OF ROUTE 113 AS SOON AS POSSIBLE. CONTRACTOR MUST RELOCATE ALL WASTE MATERIALS TO THE CONTINGENCY SITE OR THE APPROVED OFFICIAL DISPOSAL FACILITY AT LEAST 24 HOURS BEFORE ANY FLOODING EVENT, AS DEFINED IN THE CONTRACT DOCUMENTS AND EMERGENCY RESPONSE AND CONTINGENCY PLAN.
3. DEPTHS SHOWN ABOVE INCLUDE 1' OVER EXCAVATION.
4. LIMITS OF RAYMARK WASTE REMOVAL ALONG ROUTE 113 ARE DEFINED BY THE EXISTING ROW LINE. CONTRACTOR TO RETAIN AND PROTECT EXISTING SIDEWALK.
5. RETAIN AND PROTECT EXISTING UTILITIES, SIDEWALK AND ROAD SECTION. TEMPORARY SHORING WILL BE REQUIRED DURING EXCAVATION, TESTING AND BACKFILLING. CONTRACTOR TO REMOVE TEMP SHORING DURING BACKFILLING ALONG ROAD RIGHT OF WAY.
6. REMOVAL WILL BE COMPLETED AS CLOSE AS SAFETY ALLOWS ADJACENT TO THE ACTIVE UTILITY LINES ALONG THE EXISTING ROUTE 113. IF CONFIRMATION TESTING PERFORMED AT THE ROW OF ROUTE 113 INDICATES THE LIMITS OF RAYMARK WASTE HAVE NOT BEEN REACHED, ADDITIONAL REMOVAL OF RAYMARK MATERIAL WITHIN THE ROW WILL OCCUR AFTER UTILITIES ARE RELOCATED AND THE EXISTING UTILITIES ARE DISCONNECTED.
7. BACKFILL MATERIAL UNDER PROPOSED ROAD CORRIDOR PER 0202XXXA - MANAGEMENT OF REUSABLE CONTROLLED MATERIAL AND 0207000A - SPECIAL BACKFILL AND 0944XXXA - SPECIAL TOPSOIL
8. TEMPORARY FENCING WILL EXTEND OVER THE SIDEWALK SUCH THAT THE SIDEWALK REMAINS CLOSED UNTIL THE ROADWAY IS OPEN TO VEHICULAR TRAFFIC.
9. REFER TO SHEET MPT-2.01 TO MPT-2.03 FOR DETOUR PLAN IN VOLUME 2.
10. REMOVE EXISTING MONITORING WELL MW 100.
11. STABILIZED MATERIAL IS TO BE LOADED INTO DISPOSAL TRUCKS INSIDE STABILIZATION TENT.
12. AIR HANDLING SYSTEMS FOR STABILIZATION TENTS MUST CYCLE/FILTER 1 COMPLETE VOLUME OF STRUCTURE AIR EVERY 15 MINUTES.
13. AIR HANDLING SYSTEMS ARE TO BE ELEVATED OUT OF 100 YEAR FLOOD ELEVATION (ELEV. 15 NGVD 29)

PROPOSED STABILIZATION MATERIAL SILO (TYP)
BACKFILL STOCKPILE
PROPOSED 75'x200' RAYMARK WASTE PAD WITH TENT SEE DETAIL ON SHEET 08.011
PROPOSED WATER TREATMENT FACILITY
REMOVE EXISTING 24" CULVERT
TEMPORARY SAND BAGS 80' LENGTH 1 FT HIGH (TOP @ EL 6.5) SEE DETAIL, SHEET 08.010
TEMPORARY SAND BAGS 12' LENGTH 1 FT HIGH (TOP @ EL 6.5) SEE DETAIL, SHEET 08.010
500 YR FLOOD FEMA ELEV
PROPOSED FLOOD CONTINGENCY PAD FOR RAYMARK WASTE SEE DETAIL SHEET 08.011
PROPOSED TEMPORARY 6' CHAIN LINK FENCE (TYP) TYP SEE DETAIL ON SHEET 08.012
PROPOSED DECON TRAILER
PROPOSED TRUCK WASH
PROPOSED PAVED ACCESS ROAD
PROPOSED ACCESS GATE
CONTRACTOR STAGING AREA AND MUSTER AREA
REMOVE EXISTING CONCRETE BLOCK IN PARKING LOT (TYP)
PROPOSED ACCESS GATE
MARINE BASIN
100'X100' CONTINGENCY PAD
PROPOSED FLOOD CONTINGENCY HAUL ROUTE
MIN. PAD ELEV=11
MIN. PAD ELEV=11
SHORT BEACH ROAD
CT ROUTE 113 (MAIN STREET)
R/W 11-29
SEE NOTE 4, 5 & 6
PROPOSED ON-SITE HAUL ROUTE SEE DETAIL ON SHEET 08.011
EMERGENCY ACCESS GATE ONLY
SEE SHEET 08.011 FOR TENT SECTION B-B AND C-C
PROPOSED WATER TREATMENT FACILITY
PROPOSED STABILIZATION MATERIAL SILO
R/W 6-24
EXISTING MAIN STREET
ROUTE 113
CT ROUTE 113 (MAIN STREET)
N/F City of Bridgeport

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

Plotted: 5/3/2013

DESIGNER/DRAFTER: B.ANNU
CHECKED BY: F. WALSH
SCALE IN FEET 0 80 160
SCALE 1"=80'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-04-NEW-2D.dgn

SIGNATURE/ BLOCK:

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

TOWN: STRATFORD

DRAWING TITLE:
PROPOSED WASTE REMOVAL PLAN

PROJECT NO. 15-336
DRAWING NO. RMW-04
SHEET NO. 08.004

Border Version: 10/19/07

LEGEND

SILT FENCE

NOTES:

1. SEE SHEET 08.014, FOR DETAILED GRADING PLAN IN WORK AREA.
2. INSTALL TRENCH DRAIN AT BOTH ENTRANCES TO TENT, FULL WIDTH (TYP OF 4). SEE DETAIL ON SHEET 08.011 AND 08.012.
3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES TO CONFIRM WITH "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, 2002"
4. REFER TO SHEET 08.014 FOR SHEET PILE LOCATIONS TEMPORARY SOLDIER PILE LOCATIONS.

500 YR FLOOD FEMA ELEV

PROPOSED FLOOD CONTINGENCY PAD FOR RAYMARK WASTE

MARINE BASIN

100'X100' CONTINGENCY PAD

MIN. PAD ELEV=11

MIN. PAD ELEV=11

PROPOSED FLOOD CONTINGENCY HAUL ROUTE

EXISTING BITUMINOUS PARKING LOT

CT ROUTE 113 (MAIN STREET)

SHORT BEACH ROAD

R/W 11-29

R/W 6-24

PREVIOUS TOPO

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

Plotted: 5/3/2013

DESIGNER/DRAFTER: B.ANNU

CHECKED BY: F. WALSH

SCALE IN FEET 0 80 160

SCALE 1"=80'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-06-2D.dgn

SIGNATURE/ BLOCK:

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

TOWN: STRATFORD

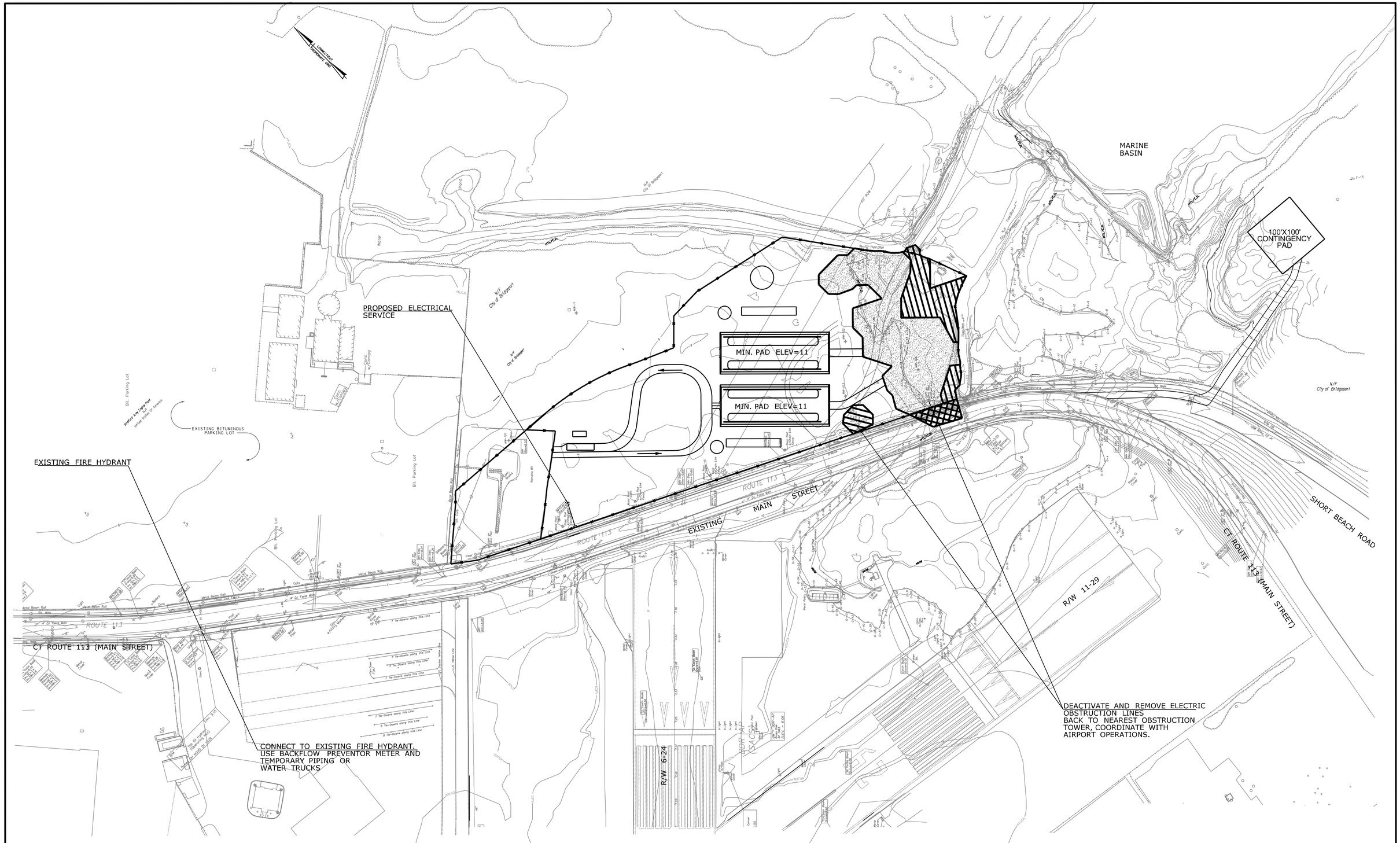
DRAWING TITLE:
SITE GRADING AND EROSION CONTROL PLAN

PROJECT NO. 15-336

DRAWING NO. RMW-06

SHEET NO. 08.006

Border Version: 10/19/07



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

Plotted: 5/3/2013

DESIGNER/DRAFTER: B.ANNU

CHECKED BY: F. WALSH

SCALE IN FEET
0 80 160
SCALE 1"=80'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-07-2D.dgn

SIGNATURE/ BLOCK:

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

TOWN: STRATFORD

DRAWING TITLE: SITE UTILITY PLAN

PROJECT NO. 15-336

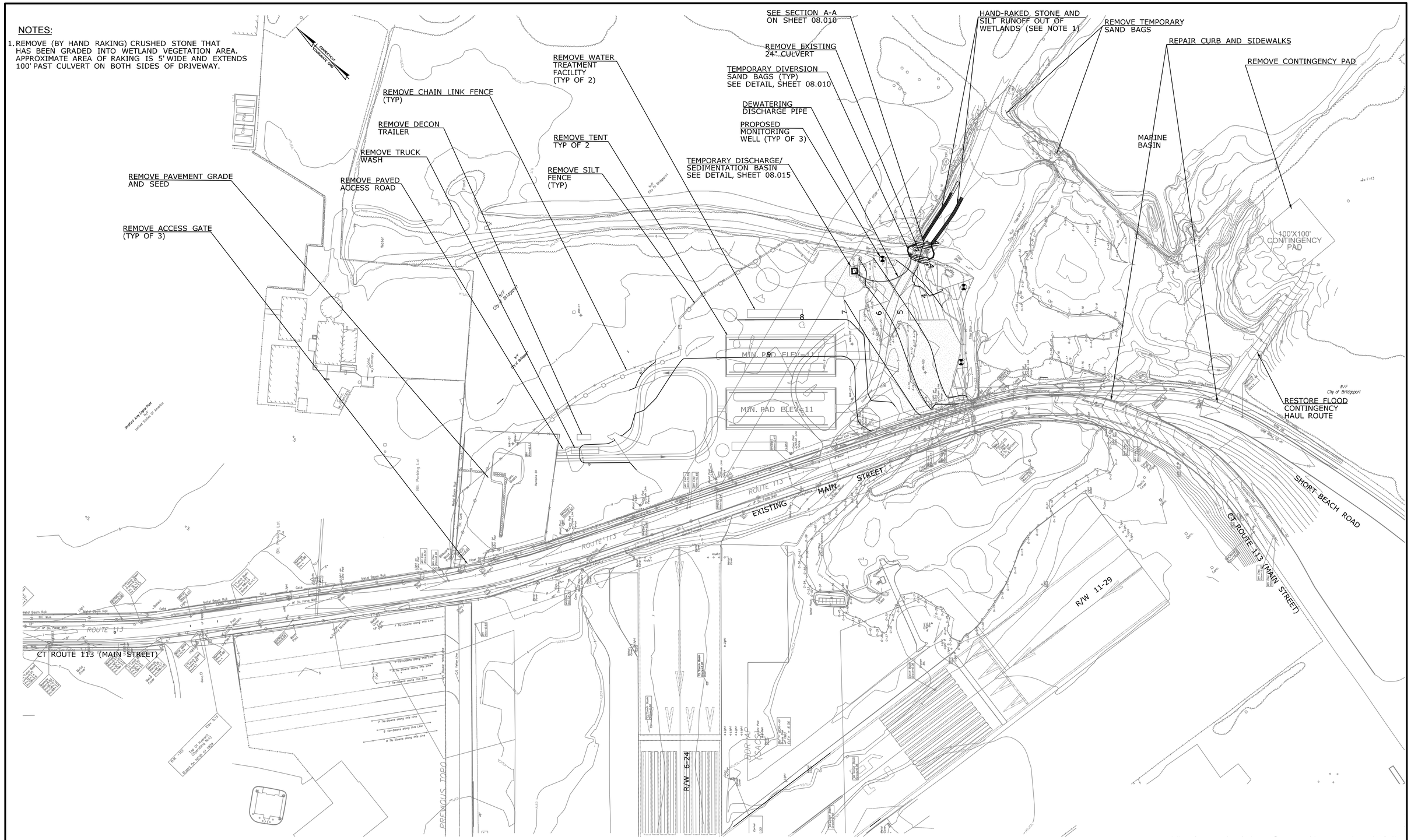
DRAWING NO. RMW-07

SHEET NO. 08.007

Border Version: 10/19/07

NOTES:

1. REMOVE (BY HAND RAKING) CRUSHED STONE THAT HAS BEEN GRADED INTO WETLAND VEGETATION AREA. APPROXIMATE AREA OF RAKING IS 5' WIDE AND EXTENDS 100' PAST CULVERT ON BOTH SIDES OF DRIVEWAY.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

Plotted: 5/3/2013

DESIGNER/DRAFTER: B.ANNU

CHECKED BY: F. WALSH

SCALE IN FEET
0 80 160
SCALE 1"=80'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-08-2D.dgn

SIGNATURE/ BLOCK:

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

TOWN: STRATFORD

DRAWING TITLE: FINAL RESTORATION PLAN

PROJECT NO. 15-336
DRAWING NO. RMW-08
SHEET NO. 08.008

Border Version: 10/19/07

TO SOUTH AND WEST

TO NORTH AND EAST

SITE

ISLAND SOUND

BRIDGEPORT HARBOR

IGOR I. SIKORSKY MEMORIAL AIRPORT

CONNECTICUT COORDINATE GRID

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 5/3/2013

DESIGNER/DRAFTER:

CHECKED BY:

SCALE IN FEET
0 700 1400
SCALE 1"=700'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FINAL PLANS\Sheets\RMW-09.dgn

SIGNATURE/ BLOCK:

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

TOWN:
STRATFORD

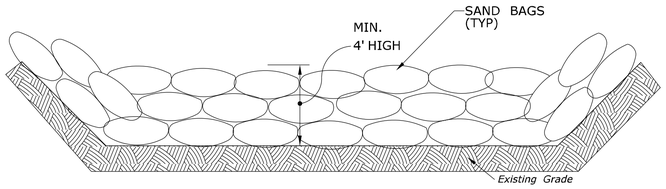
DRAWING TITLE:
DISPOSAL TRUCKING ROUTE

PROJECT NO.
15-336

DRAWING NO.
RMW-8.09

SHEET NO.
08.009

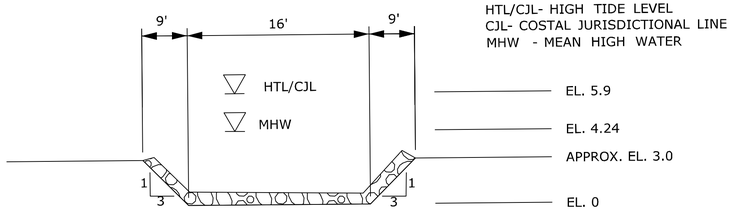
Border Version: 10/19/07



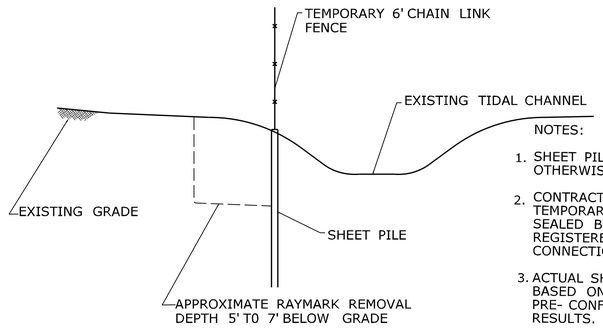
TEMPORARY DIVERSION SAND BAGS

LEGEND

HTL/CJL- HIGH TIDE LEVEL
CJL- COSTAL JURISDICTIONAL LINE
MHW - MEAN HIGH WATER



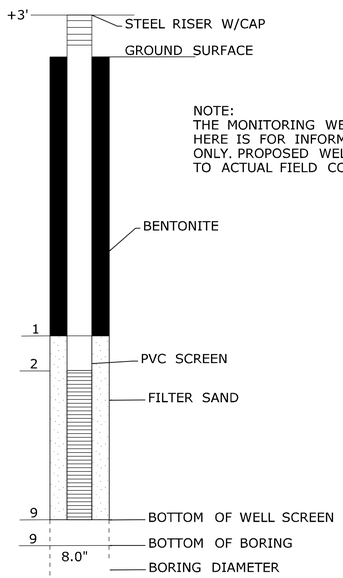
SECTION A-A



NOTES:

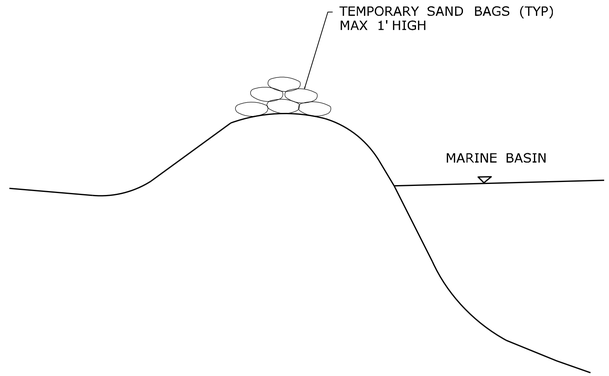
1. SHEET PILE TO REMAIN IN PLACE UNLESS OTHERWISE INDICATED.
2. CONTRACTOR TO SUBMIT DESIGN OF TEMPORARY SHEET PILE, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT FOR APPROVAL.
3. ACTUAL SHEET PILE LOCATION WILL BE BASED ON CLEAN LINE ESTABLISHED BY PRE- CONFIRMATION SAMPLE TEST RESULTS.

SHEET PILE DETAIL



NOTE:
THE MONITORING WELL DETAIL SHOWN HERE IS FOR INFORMATION PURPOSE ONLY. PROPOSED WELL SHALL BE ADOPTED TO ACTUAL FIELD CONDITIONS.

MONITORING WELL



TEMPORARY SAND BAGS
NEAR MARINE BASIN

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 5/3/2013

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-10 DETAILS.dgn

SIGNATURE/ BLOCK:

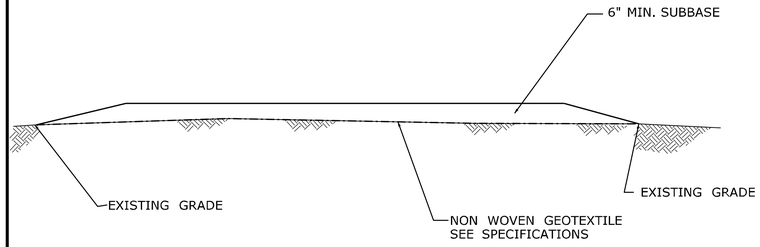
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT

TOWN: STRATFORD

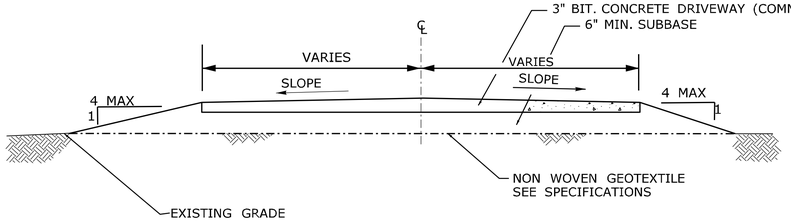
DRAWING TITLE: SITE DETAILS-1

PROJECT NO. 15-336
DRAWING NO. RMW-10
SHEET NO. 08.010

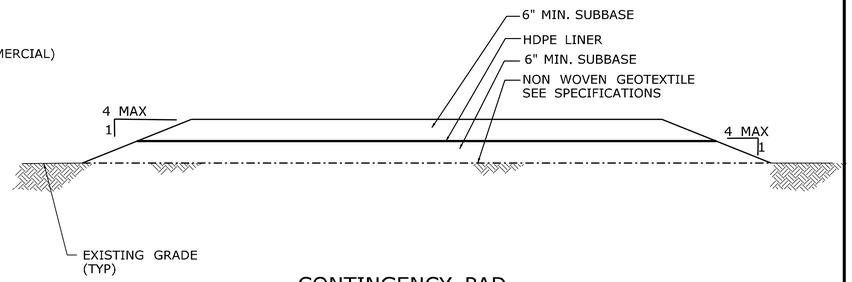
Border Version: 10/19/07



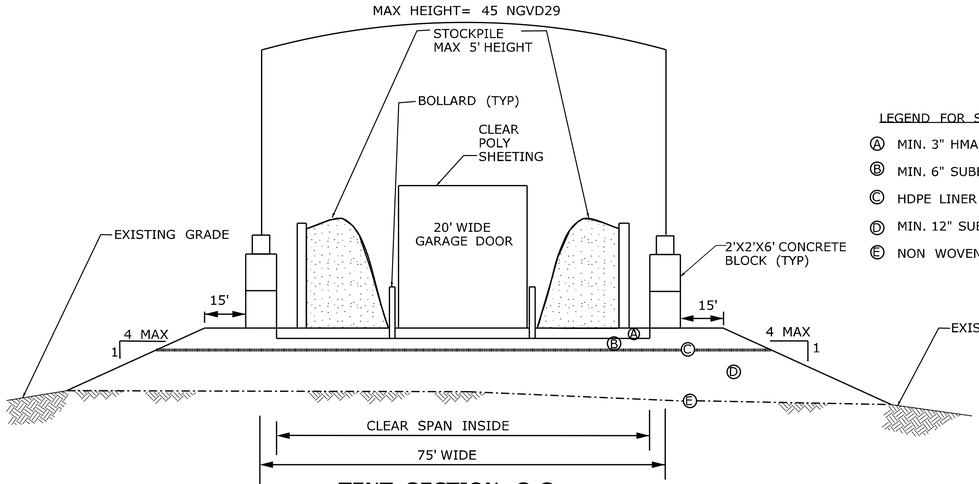
TYPICAL HAUL ROUTE CROSS SECTION
(ON-SITE AND CONTINGENCY)



PAVED ACCESS ROAD CROSS SECTION



CONTINGENCY PAD



TENT SECTION C-C

LEGEND FOR SECTION B-B AND C-C

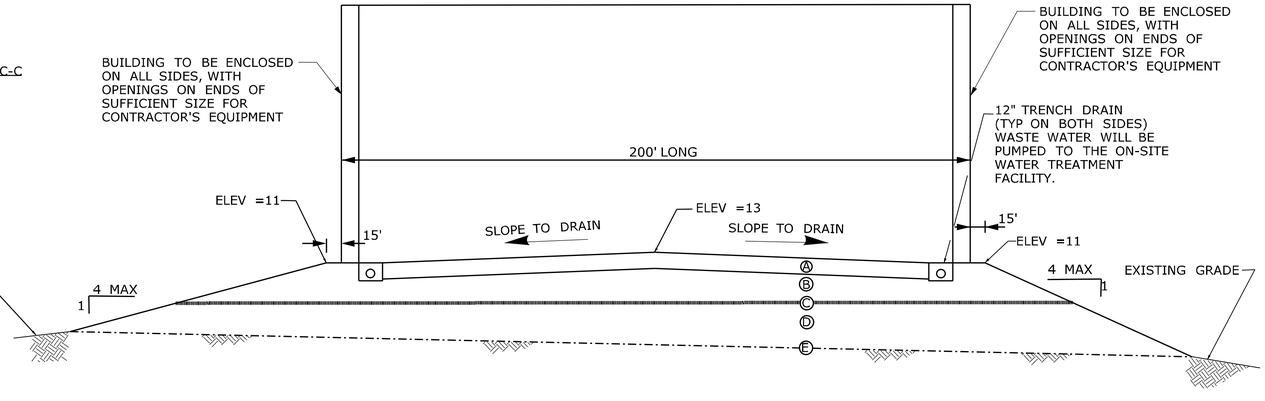
Ⓐ MIN. 3" HMA S0.375

Ⓑ MIN. 6" SUBBASE

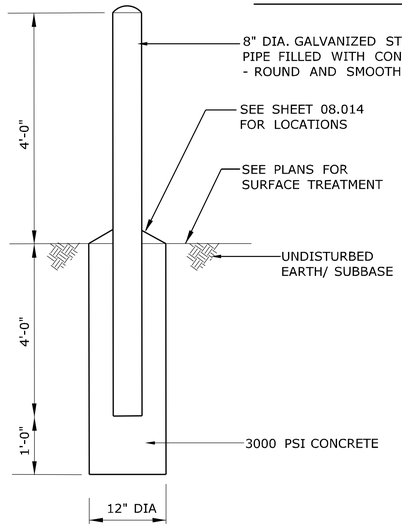
Ⓒ HDPE LINER

Ⓓ MIN. 12" SUBBSE

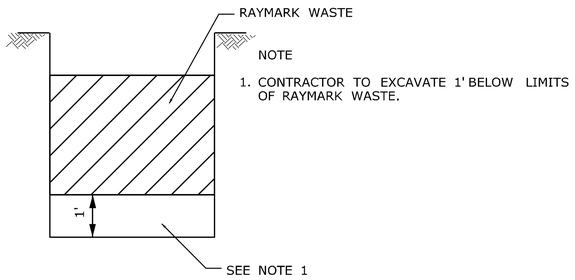
Ⓔ NON WOVEN GEOTEXTILE



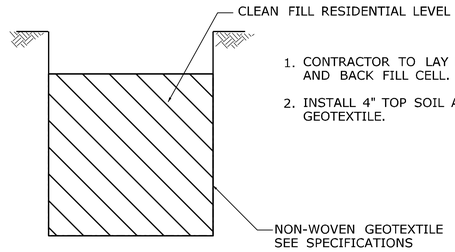
TENT SECTION B-B



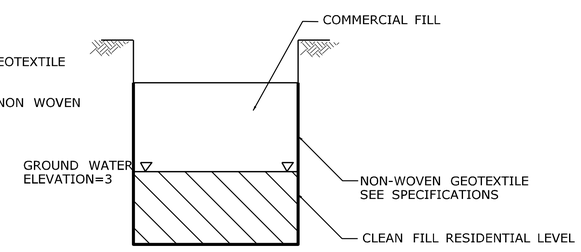
BOLLARD DETAIL



TYPICAL RAYMARK REMOVAL CELL SECTION



BACKFILL WITHIN PROPOSED ROW



BACKFILL OUTSIDE OF PROPOSED ROW

TYPICAL RAYMARK BACKFILL CELL SECTION

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 5/3/2013

DESIGNER/DRAFTER: B.ANNU

CHECKED BY: F.WALSH

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-11 DETAILS.dgn

SIGNATURE/
BLOCK:

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

TOWN: STRATFORD

DRAWING TITLE: SITE DETAILS-2

PROJECT NO. 15-336

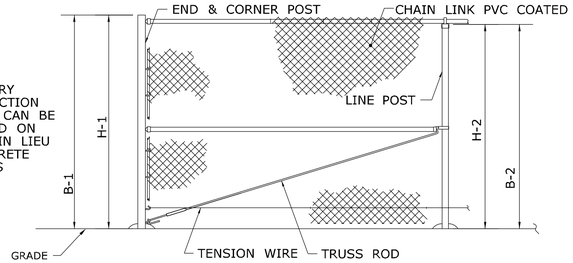
DRAWING NO. RMW-11

SHEET NO. 08.011

Border Version: 10/19/07

NOTE

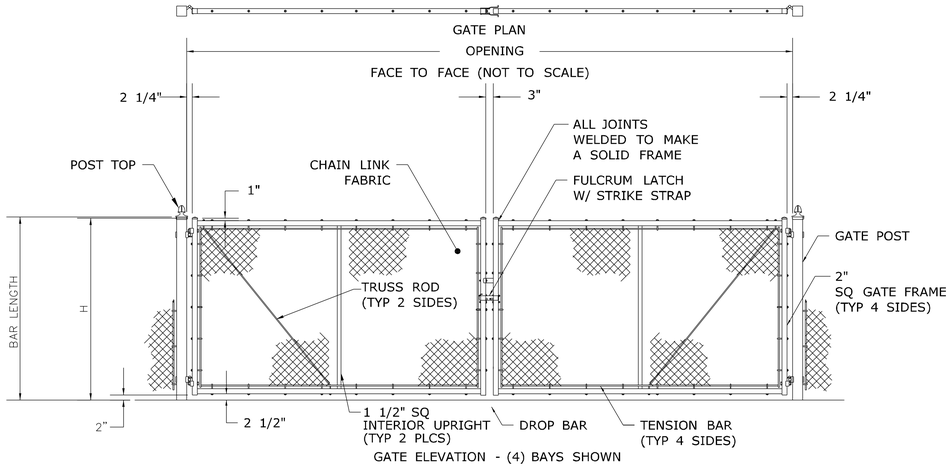
1. TEMPORARY CONSTRUCTION FENCING CAN BE INSTALLED ON STANDS IN LIEU OF CONCRETE FOOTINGS



FENCE SECTION ELEVATION
WITH TOP RAIL

FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
NOMINAL HEIGHT	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH	H-2 HEIGHT ABOVE GRADE
6'-0"	6'-0 5/8"	6'-0 5/8"	5'-8 7/8"	5'-8 7/8"

TEMPORARY CONSTRUCTION CHAIN LINK FENCE



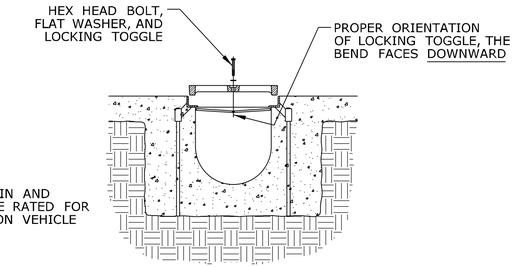
GATE ELEVATION - (4) BAYS SHOWN

CHAIN LINK FENCE DOUBLE SWING GATE

NOM HEIGHT (H)
6'-0"

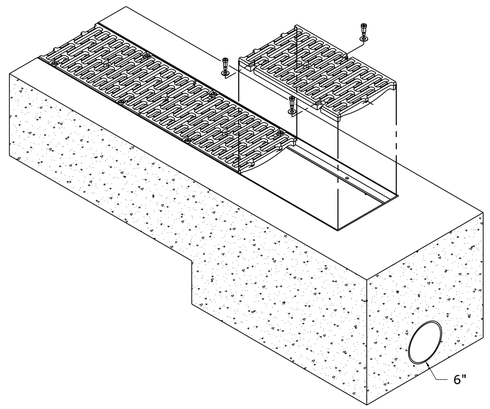
BAYS	OPENING (FACE TO FACE)
4	24'-0"

NOTE:
1. GATES WILL BE MANUALLY OPERATED.

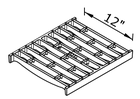


NOTES:
1. TRENCH DRAIN AND GRATE TO BE RATED FOR CONSTRUCTION VEHICLE LOADING.

TYPICAL 12" TRENCH DRAIN CROSS-SECTION



TYPICAL 12" TRENCH DRAIN



DUCTILE IRON GRATE

MIN. 50% OPEN AREA

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 5/3/2013

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-12-DETAILS .dgn

SIGNATURE/ BLOCK:

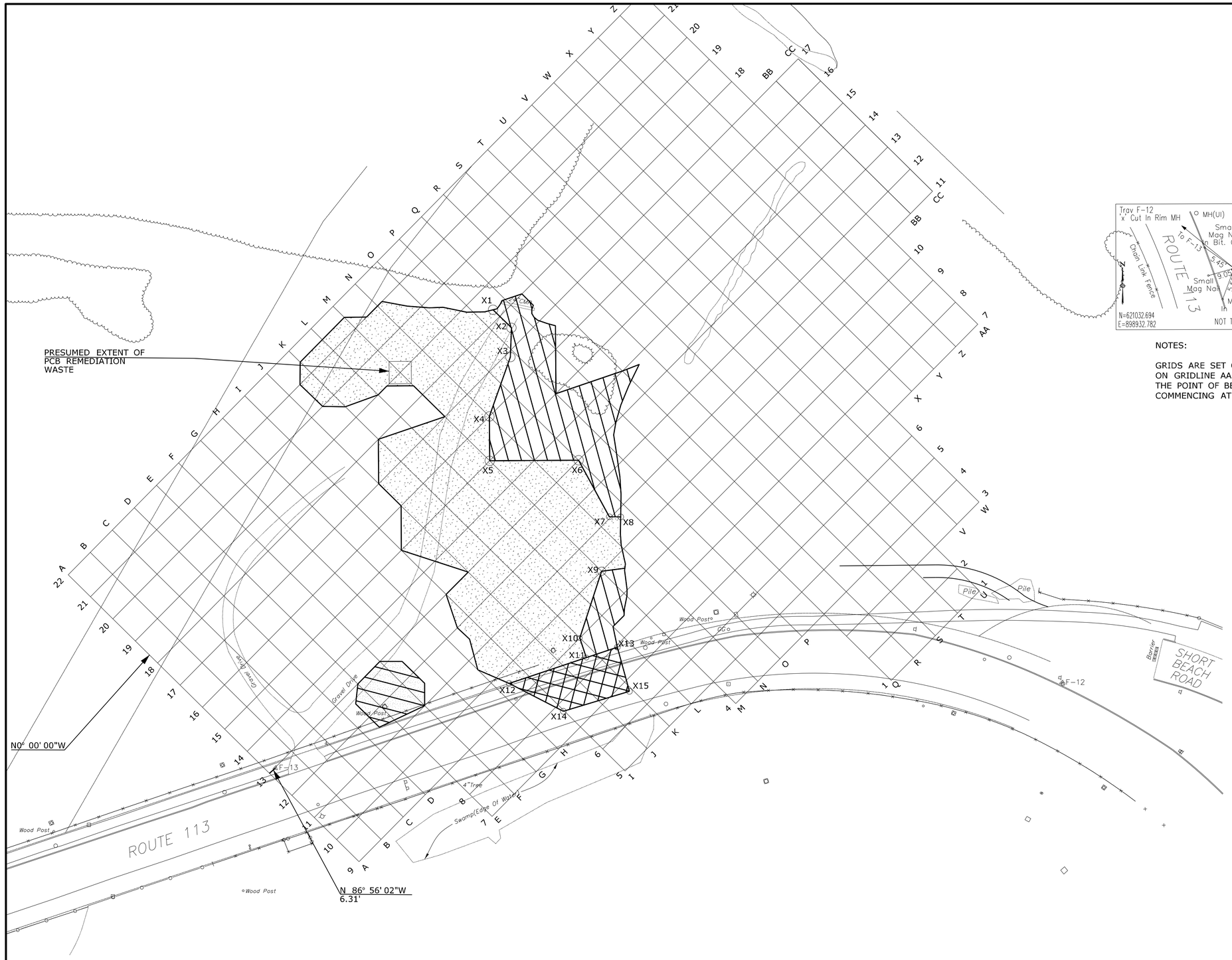
PROJECT TITLE:
RUNWAY SAFETY AREA PROJECT
IGOR I. SIKORSKY MEMORIAL AIRPORT

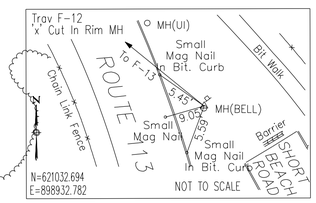
TOWN: STRATFORD

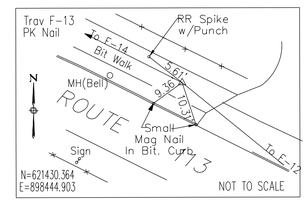
DRAWING TITLE: SITE DETAILS-3

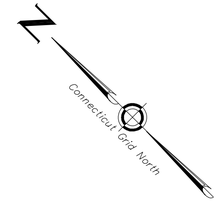
PROJECT NO. 15-336
DRAWING NO. RMW-12
SHEET NO. 08.012

Border Version: 10/19/07









NOTES:

GRIDS ARE SET ON 25' OFFSETS AND BASED ON GRIDLINE AA, WHICH IS DEFINED AS BEARING N 0° 00' 00"W. THE POINT OF BEGINING OF A13 IS DEFINED BY A 6.31' LINE COMMENCING AT F-13, BEARING N 86° 56' 02" W.

POINTS SHOWING DISTANCES IN GRID FOR DEPTH CHANGE IN RAYMARK WASTE AREA

POINT #	HORIZONTAL DISTANCE	VERTICAL DISTANCE
X1	12.41' FROM LINE P-P	7.52' FROM LINE 18-18
X2	12.46' FROM LINE P-P	12.01' FROM LINE 17-17
X3	20.30' FROM LINE O-O	21.24' FROM LINE 16-16
X4	0.00' FROM LINE N-N	0.00' FROM LINE 16-16
X5	0.00' FROM LINE M-M	0.00' FROM LINE 15-15
X6	0.00' FROM LINE O-O	0.00' FROM LINE 13-13
X7	10.14' FROM LINE N-N	1.04' FROM LINE 11-11
X8	16.41' FROM LINE N-N	19.49' FROM LINE 10-10
X9	0.00' FROM LINE M-M	0.00' FROM LINE 10-10
X10	0.00' FROM LINE K-K	0.00' FROM LINE 9-9
X11	17.60' FROM LINE J-J	10.36' FROM LINE 8-8
X12	9.79' FROM LINE H-H	14.56' FROM LINE 9-9
X13	15.77' FROM LINE K-K	23.65' FROM LINE 7-7
X14	24.26' FROM LINE H-H	18.35' FROM LINE 7-7
X15	22.56' FROM LINE J-J	17.12' FROM LINE 6-6

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

Plotted: 5/3/2013

DESIGNER/DRAFTER: B.ANNU
CHECKED BY: F. WALSH
SCALE IN FEET
0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-13 DETAILS.dgn

SIGNATURE/ BLOCK:

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

TOWN: STRATFORD

DRAWING TITLE: SITE DETAILS-4

PROJECT NO. 15-336
DRAWING NO. RMW-13
SHEET NO. 08.013

Border Version: 10/19/07

BEGIN SHEET PILE INSTALLATION

END SHEET PILE INSTALLATION

BOLLARD AT ENTRANCE (TYP OF 2, FOR BOTH TENTS)

MIN. PAD ELEV=11

SLOPE

SLOPE

MIN. PAD ELEV=11

SLOPE

SLOPE

9%

6%

BEGIN SHEET PILE INSTALLATION

END SHEET PILE INSTALLATION

INSTALL TEMPORARY SOLDIER PILE DURING EXCAVATION AND TESTING. REMOVE DURING BACKFILL.

CONTRACTOR TO RETAIN AND PROTECT EXISTING ELECTRICAL LINES

INSTALL TEMPORARY SOLDIER PILE DURING EXCAVATION AND TESTING. REMOVE DURING BACKFILL.

EXISTING MAIN STREET ROUTE 113

CONNECTICUT COORDINATE GRID

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

Plotted: 5/3/2013

DESIGNER/DRAFTER: B.ANNU

CHECKED BY: F. WALSH

SCALE IN FEET

0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-14 DETAILS.dgn

SIGNATURE/ BLOCK:

PROJECT TITLE:

RUNWAY SAFETY AREA PROJECT
IGOR. I. SIKORSKY MEMORIAL AIRPORT

TOWN: STRATFORD

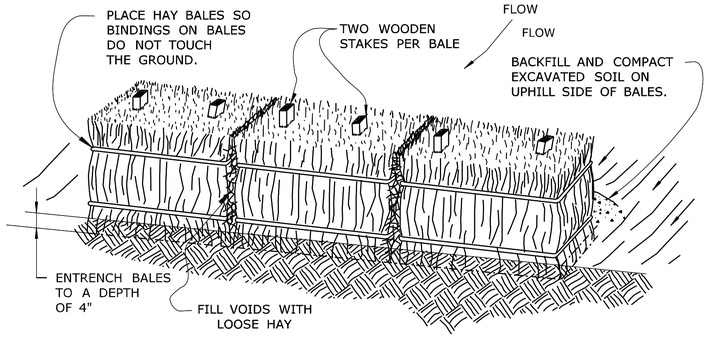
DRAWING TITLE: SITE DETAILS-5

PROJECT NO. 15-336

DRAWING NO. RMW-014

SHEET NO. 08.014

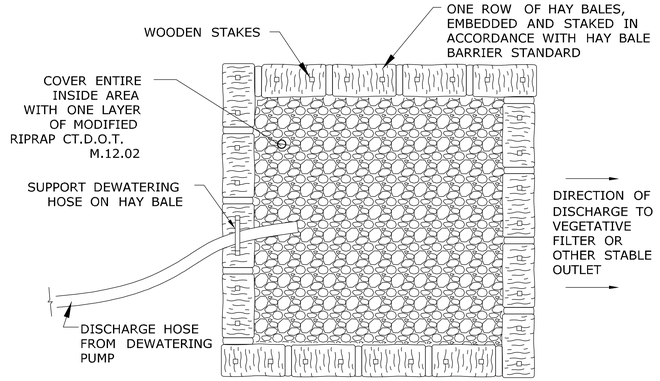
Border Version: 10/19/07



NOTES:

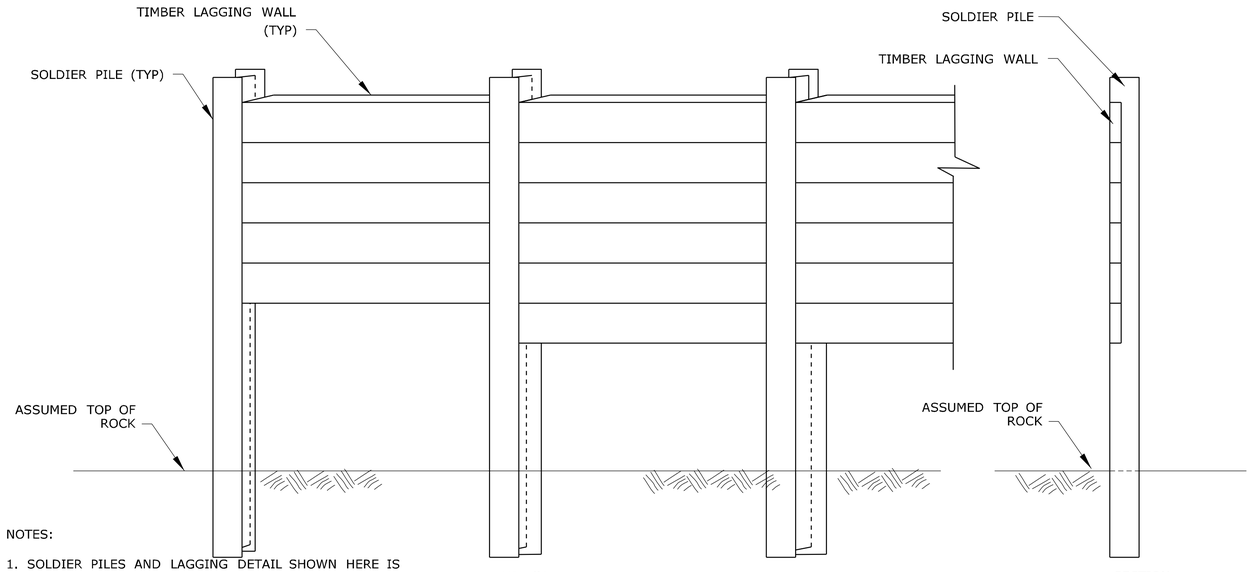
1. HAY BALES SHALL NOT BE USED IN A WATERCOURSE.
2. HAY BALES SHALL BE ENTRENCHED 4" AND TIGHTLY BUTTED TOGETHER. REMOVE HEAVY BRUSH AND FILL ALL VOIDS WITH LOOSE HAY.
3. WOOD STAKES SHALL HAVE A MINIMUM CROSS-SECTION SIZE OF AT LEAST 1" x 1". AND A MINIMUM LENGTH OF 4'.
4. CLEAN OUT ACCUMULATED SEDIMENT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

HAY BALE SYSTEM



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

TYPE 1 PUMPING SETTLING BASIN

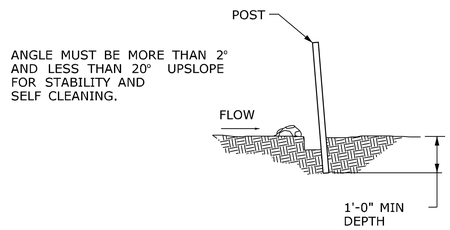


NOTES:

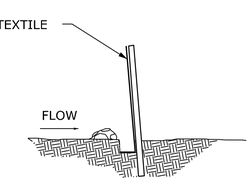
1. SOLDIER PILES AND LAGGING DETAIL SHOWN HERE IS FOR INFORMATION PURPOSE ONLY. SEE PLAN FOR LOCATIONS.
2. CONTRACTOR TO SUBMIT DESIGN OF TEMPORARY SOLDIER PILES AND LAGGING WALL, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN STATE OF CONNECTICUT FOR APPROVAL.
3. SOLDIER PILES TO BE INSTALLED DURING EXCAVATION AND REMOVED DURING BACKFILLING.

TEMPORARY SOLDIER PILES AND LAGGING WALL DETAIL

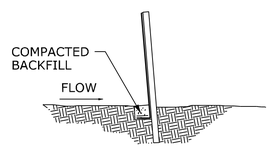
1. SET POSTS AND EXCAVATE A 6" x 6" TRENCH. SET POST DOWNSLOPE.



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



3. BACKFILL THE TRENCH AND COMPACT THE EXCAVATED SOIL.



SILT FENCE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted: 5/3/2013

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Sheets\RMW-15 DETAILS.dgn

SIGNATURE/ BLOCK:

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

TOWN: STRATFORD

DRAWING TITLE: SITE DETAILS-6

PROJECT NO. 15-336
DRAWING NO. RMW-15
SHEET NO. 08.015

Border Version: 10/19/07