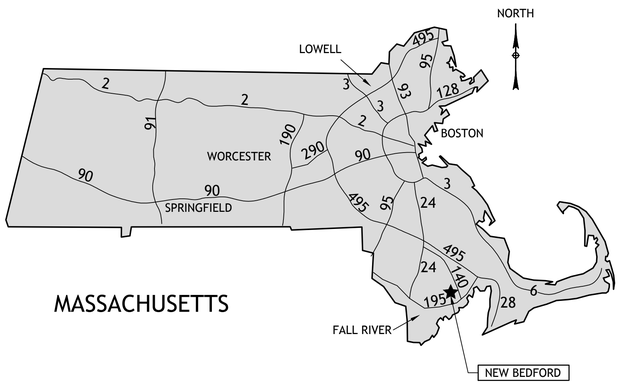
NOTICE OF INTENT PERMIT DRAWINGS

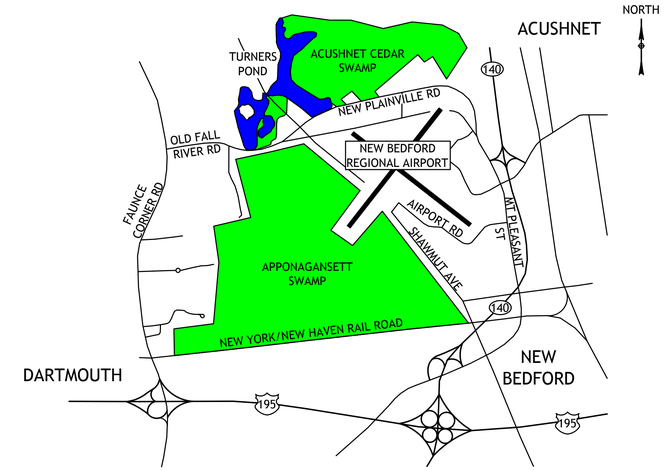
newbedford regional airport



LOCATION MAP

0 30 60
SCALE IN MILES

NEW BEDFORD AIRPORT COMMISSION
1569 AIRPORT RD, NEW BEDFORD, MASSACHUSETTS 02746



LOCUS MAP

0 0.5 1
SCALE IN MILES

RECONSTRUCT TAXIWAY A

DECEMBER 2014
AIP NO. XXX

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

SPONSORED BY

newbedford regional airport NEW BEDFORD AIRPORT COMMISSION

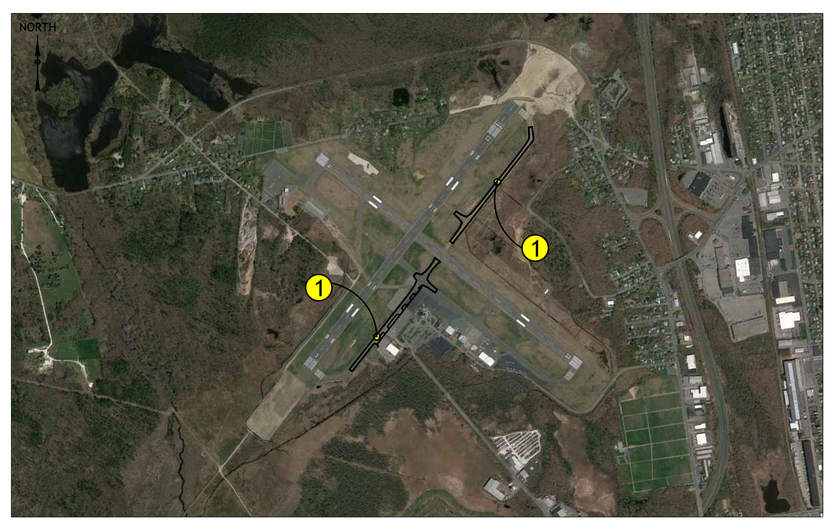
APPROVED _____ DATE _____
PAUL L. BARTON - CHAIRMAN OF THE COMMISSION

massDOT Massachusetts Department of Transportation Aeronautics Division MASSACHUSETTS DEPARTMENT OF TRANSPORTATION - AERONAUTICS

APPROVED _____ DATE _____
CHRISTOPHER J. WILLENBORG - ADMINISTRATOR

FEDERAL AVIATION ADMINISTRATION

APPROVED _____ DATE _____
CLIFFORD VACIRCA - PROJECT MANAGER



PROPOSED CONSTRUCTION

1 - RECONSTRUCT TAXIWAY A

PREPARED BY

AIRPORT SOLUTIONS GROUP
INNOVATIVE AIRPORT DEVELOPMENT SPECIALISTS
AIRPORT CONSULTANTS • WOBURN, MASSACHUSETTS
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COMMONWEALTH OF MASSACHUSETTS MARK K. OTTABIANO REGISTERED PROFESSIONAL ENGINEER

DRAWING NO.
G1.1
1 OF 13

NOI SUBMISSION 12-18-2014

12/31/2014 1:15:42 PM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_COVER.dwg (CNM)

GENERAL NOTES

AIRPORT OPERATIONS COORDINATOR

THE OWNER WILL PROVIDE AN OPERATING COORDINATOR WHO SHALL HAVE THE AUTHORITY TO OPEN AND CLOSE FACILITIES, ISSUE AND CANCEL NOTAM'S AND TO COORDINATE WITH AIRPORT USERS.

AIRPORT SECURITY

THE CONTRACTOR SHALL COMPLY WITH ALL AIRPORT SECURITY REQUIREMENTS AS DIRECTED BY THE AIRPORT OPERATIONS COORDINATOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING ACCESS TO THE WORK AREA AND ENSURING THAT AIRPORT SECURITY IS MAINTAINED AT ALL TIMES. THE FAA CAN IMPOSE FINES OF $10,000 OR MORE FOR SECURITY VIOLATIONS AND INCURSIONS INTO ACTIVE AIRCRAFT OPERATION AREAS (AOA). THE CONTRACTOR SHALL PAY ALL FINES ASSESSED AGAINST THE AIRPORT DUE TO VIOLATIONS CAUSED BY THE CONTRACTOR AND HIS/HER PERSONNEL, SUBCONTRACTORS AND VENDORS.

PARKING PERSONAL VEHICLES SHALL BE IN DESIGNATED LOCATIONS ONLY. THE CONTRACTOR, AS A SUBSIDIARY OBLIGATION, SHALL PROVIDE ADEQUATE AND SAFE TRANSPORTATION FOR HIS/HER EMPLOYEES TO / FROM THE AREA WHERE THE VEHICLES ARE PARKED TO AND FROM THE WORK AREAS, EMPLOYEES AND DRIVERS OF WORK VEHICLES SHALL BE INSTRUCTED AS TO PROPER ACCESS ROADS AND SHALL BE CAUTIONED THAT UNAUTHORIZED USE OF AIRCRAFT PAVEMENTS OR OTHER AREAS OUTSIDE THE DESIGNATED WORK AREAS MAY LEAD TO THEIR ARREST AND SUBSEQUENT PAYMENT OF FINES.

THE CONTRACTOR SHALL PROVIDE INSTRUCTION TO ALL MATERIAL SUPPLIERS REGARDING THE AIRPORT ACCESS PROCEDURES TO BE FOLLOWED BY THEIR DELIVERY DRIVERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ESCORTS OF CONTRACTOR MANAGEMENT STAFF, VENDORS, SUBCONTRACTORS, VISITORS, DELIVERY DRIVERS, AND OTHERS UNDER THE AUTHORITY OF THE CONTRACTOR WHILE ON THE AIRPORT.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AND THE OWNER WITHIN 10 DAYS AFTER SIGNING OF THE CONTRACT AND PRIOR TO THE START OF WORK A WRITTEN METHOD OF OPERATIONS DETAILING THE PRECAUTIONS HE/SHE PROPOSES FOR THE CONTROL OF VEHICLE TRAFFIC INCLUDING FLAG PERSONS, SIGNS, BARRICADES, ESCORTS AND ANY OTHER MEASURES HE/SHE PROPOSES. AFTER REVIEW AND COMMENT ON HIS/HER OPERATING PROCEDURES BY THE ENGINEER AND THE OWNER, THE CONTRACTOR SHALL FOLLOW THEM EXPLICITLY. THE REVOCATION OF THE CLOSURE OF THE WORK AREA BY OWNER FOR NON-CONFORMANCE SHALL NOT CONSTITUTE A VALID REASON FOR EXTENDING THE CONTRACT TIME OR FOR ANY CLAIM FOR ADDITIONAL COMPENSATION BY THE CONTRACTOR.

ALL SECURITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.

THE CONTRACTOR'S PERSONNEL AND CONTRACTOR'S VEHICLES SHALL BE RESTRICTED AND SHALL REMAIN WITHIN THE WORK AREAS, HAUL AND ACCESS ROUTES, AND THE STAGING AREAS AS SHOWN ON THE CONTRACT PLANS.

AIR OPERATIONS AREA (AOA)

IN GENERAL, THE WORK ASSOCIATED WITH THIS PROJECT WILL REQUIRE THE CONTRACTOR TO BE NEAR OR WITHIN THE AIR OPERATIONS AREA (AOA). THE AOA IS ANY AREA OF AN AIRPORT USED OR INTENDED TO BE USED FOR LANDING, TAKEOFF, OR SURFACE MANEUVERING OF AIRCRAFT. AN AOA INCLUDES SUCH PAVED OR TURF AREAS THAT ARE USED OR INTENDED TO BE USED FOR THE UNOBSTRUCTED MOVEMENT OF AIRCRAFT IN ADDITION TO ITS ASSOCIATED RUNWAY, TAXIWAY, OR APRON.

FOR THIS PROJECT, THE CONTRACTOR SHALL KEEP HIS/HER PERSONNEL AND EQUIPMENT AT LEAST 250 FEET FROM THE CENTERLINE OF ACTIVE RUNWAYS AND AT LEAST 50 FEET FROM THE EDGE OF ACTIVE TAXIWAYS, TAXILANES, AND APRONS, UNLESS PREVIOUS WRITTEN APPROVAL HAS BEEN OBTAINED FROM THE OWNER AND AFTER ALL REQUIRED PRECAUTIONS ARE TAKEN.

THE CONTRACTOR SHALL FURNISH AVIATION UNICOM RADIO(S), PER SPECIFICATION SECTION M-001, AND MONITOR THE UNICOM FREQUENCY 122.95 MHZ AT ALL TIMES DURING THE PROJECT.

OPEN TRENCHES OR EXCAVATIONS

THE CONTRACTOR WILL NOT BE PERMITTED TO LEAVE ANY TRENCHES OR OTHER EXCAVATIONS OPEN AT NIGHT, ON WEEKENDS, OR AT OTHER TIMES WHEN THE CONTRACTOR IS NOT ON THE WORK SITE, UNLESS APPROVALS ARE RECEIVED BY THE AIRPORT OPERATIONS COORDINATOR AND THE CONTRACTOR PROTECTS THE EXCAVATION WITH STEEL PLATES, BARRICADES, AND LIGHTING, AS APPROVED BY THE ENGINEER. IN ADDITION, NO EXCAVATION EXCEEDING 3 INCHES IN DEPTH SHALL BE LEFT OPEN WITHIN AIRCRAFT OPERATION AREAS, AS DESCRIBED ABOVE, WHILE THE RUNWAY, TAXIWAY, AND APRONS ARE IN USE UNLESS THE EXCAVATIONS ARE COVERED WITH APPROVED STEEL PLATES. STEEL PLATES SHALL BE CAPABLE OF BEARING THE HEAVIEST AIRCRAFT/VEHICLE USING THE AIRPORT OVER THE SPAN IN WHICH THEY ARE TO BE USED. THE CONTRACTOR SHALL KEEP THE LENGTH OF OPEN TRENCHES COVERED WITH STEEL PLATES TO A MINIMUM BUT IN NO CASE SHALL THE LENGTH EXCEED THE DISTANCE BETWEEN TWO ADJACENT MANHOLES, CATCH BASINS, OR STRUCTURES.

ALL EXCAVATIONS SHALL BE BACK FILLED, COMPACTED AND THE PAVEMENT REPAIRED AND PROPERLY CURED PRIOR TO THE AREA BEING REOPENED TO TRAFFIC.

PRIOR TO THE CLOSE OF WORK EACH DAY, THE CONTRACTOR SHALL ENSURE THAT THE WORK AREAS TO BE REOPENED WITHIN AIRCRAFT OPERATION AREAS, AS DESCRIBED ABOVE, ARE GRADED AWAY FROM THE PAVEMENTS AT A MAXIMUM SLOPE OF 5% AND SHALL BE LEFT IN SUCH CONDITION THAT IT WILL DRAIN READILY AND EFFECTIVELY AND WILL NOT POSE A HAZARD TO VEHICLES OR AIRCRAFT. NO PILES OF SOIL SHALL BE LEFT UNSPREAD, NO SHARP CHANGES IN GRADE WILL BE PERMITTED, AND THE SURFACE SHALL BE THOROUGHLY COMPACTED.

DEBRIS AND DUST CONTROL

THE CONTRACTOR SHALL STRICTLY CONTROL DEBRIS AND LITTER AT AIRPORT WORK SITES. MUD, STONES OR OTHER DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE PROMPTLY AND COMPLETELY REMOVED FROM ALL PAVEMENTS TO FACILITATE DAILY AIRCRAFT OPERATIONS AND A CLEAN ENVIRONMENT. DUST CONTROL MEASURES SHALL BE TAKEN AS NECESSARY BY THE CONTRACTOR TO ENSURE THAT NO DUST IS ALLOWED TO DRIFT INTO ANY AOA, INTO LOCATIONS WHERE AIRCRAFT ARE PARKED AT ANY TIME, OR SURROUNDING RESIDENCES. THE CONTRACTOR SHALL ENSURE THAT ALL PUBLIC ROADS ARE CONTINUOUSLY MAINTAINED FREE OF MUD AND DEBRIS THAT MAY RESULT FROM HIS OPERATIONS. DEBRIS AND DUST CONTROL MEASURES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL REFER TO THE NPDES GENERAL PERMIT AND CONSTRUCTION SWPPP AS PREPARED BY THE ENGINEER FOR ADDITIONAL REQUIREMENTS.

DISPOSAL OF SURPLUS AND UNSUITABLE MATERIALS

ALL UNSUITABLE SURPLUS EXCAVATED MATERIAL, INCLUDING ALL STRUCTURES AND PIPES, ALL BITUMINOUS CONCRETE PAVEMENT, AND ALL PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR OFF AIRPORT PROPERTY UNLESS SPECIFIC INSTRUCTIONS TO THE CONTRARY ARE INCLUDED IN THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE DISPOSAL.

AT THE OWNERS REQUEST, ALL SUITABLE SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED OF IN THE AREA(S) SHOWN ON THE PLANS. AS A SUBSIDIARY OBLIGATION TO THE DISPOSAL OF SUITABLE MATERIAL, THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES ACCORDING TO THE BEST MANAGEMENT PRACTICES (BMP's), CLEAR AND GRUB AS REQUIRED, STRIP EXISTING TOPSOIL, PLACE AND COMPACT SUITABLE MATERIAL, GRADE THE DISPOSAL SITE AS DIRECTED, RE-SPREAD STRIPPED TOPSOIL ON TOP OF DISPOSAL MATERIAL, AND RESTORE THE AREA BY SEEDING AND MULCHING. ALL TEMPORARY STOCKPILES SHALL BE STABILIZED BY MULCH AND SEED AND SURROUNDED BY SILT FENCE AND HAY BALES.

NO SEPARATE MEASUREMENT FOR PAYMENT SHALL BE MADE FOR DISPOSAL OF MATERIAL BUT RATHER THE DISPOSAL SHALL BE INCIDENTAL TO THE ITEM THAT GENERATES THE MATERIAL TO BE DISPOSED OF.

CONTRACTOR'S STAGING AREAS

THE CONTRACTOR SHALL USE THE AREAS SHOWN ON THE PLANS FOR HIS/HER STAGING AREAS. NO OTHER AREAS ARE APPROVED HEREIN WITHOUT THE EXPLICIT CONSENT OF THE AIRPORT MANAGER AND THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL IMPROVEMENT AND RESTORATION OF THE DESIGNATED AREAS SUCH AS GRUBBING, GRADING, AND CONSTRUCTION OF STABILIZED ACCESS ROADS, THAT IS NECESSARY FOR THE UTILIZATION OF THE AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY TEMPORARY ACCESS PERMITS AND ASSOCIATED FEES FOR ACCESS TO THE ADJACENT ROAD NETWORK. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. ALL WORK NECESSARY TO USE THE STAGING AREAS SHALL BE DEEMED INCIDENTAL TO THE OVERALL PROJECT.

UNDERGROUND UTILITIES AND CABLES

THE APPROXIMATE LOCATIONS OF KNOWN UTILITIES AND UNDERGROUND CABLES ARE SHOWN ON THE CONTRACT DRAWINGS. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COORDINATE ALL WORK ON AND IN THE VICINITY OF THE UNDERGROUND UTILITIES AND CABLES WITH THE FOLLOWING AGENCIES AS APPROPRIATE.

- DIG SAFE (ON TARGET) AND INDICATED UTILITIES
- CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE
- CITY OF NEW BEDFORD PUBLIC WORKS
- VERIZON
- COMCAST
- NSTAR GAS COMPANY
- NSTAR ELECTRIC
- SPECTRA GAS COMPANY
- NEW BEDFORD REGIONAL AIRPORT
- FEDERAL AVIATION ADMINISTRATION (FAA) AIRWAY FACILITIES

THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A UTILITY LOCATING CONTRACTOR TO MARK OUT ALL EXISTING UTILITIES, AS NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES IN THE PROJECT AREA, NOT LIMITED TO THOSE LISTED ABOVE, AND ADJUSTING THEIR WORK METHODS TO AVOID DAMAGE TO SAID UTILITIES.

THE CONTRACTOR SHALL REPAIR, AT HIS/HER OWN EXPENSE, ANY UNDERGROUND OR OVERHEAD CABLES OR UTILITIES DAMAGED BY HIS/HER OPERATIONS AT NO ADDITIONAL COST TO THE OWNER INCLUDING ANY DAMAGE DONE BY DRIVING HIS/HER EQUIPMENT OVER EXISTING UNDERGROUND CABLES OR UTILITIES. THE REPAIR OF FAA CABLES SHALL BE INSPECTED AND APPROVED BY THE FAA.

PERMITS

THE CONTRACTOR SHALL REFER TO, FULLY UNDERSTAND, AND PROVIDE ACKNOWLEDGEMENT OF THE FOLLOWING NEW BEDFORD REGIONAL AIRPORT DOCUMENTS, REPORTS, PLANS AND PERMITS PRIOR TO PROCEEDING WITH THE PROJECT:

- 2014 - STORMWATER POLLUTION PREVENTION PLAN (SWPPP) - EPA NPDES GENERAL PERMIT FOR CONSTRUCTION
- NEW BEDFORD CONSERVATION COMMISSION ORDER OF CONDITIONS

WETLANDS

DISTURBANCE OF WETLANDS IS A POTENTIAL VIOLATION OF FEDERAL, STATE AND LOCAL REGULATIONS. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO COMPLY WITH FEDERAL, STATE, AND LOCAL PROTECTION REGULATIONS. THE CONTRACTOR SHALL PAY ALL FINES ASSESSED AGAINST THE AIRPORT FOR UNAUTHORIZED WETLAND DISTURBANCE AND RELATED EXPENSES DUE TO VIOLATIONS CAUSED BY THE CONTRACTOR AND HIS/HER PERSONNEL, SUBCONTRACTORS AND VENDORS.

SWPPP

IN 2014, THE NEW BEDFORD REGIONAL AIRPORT DEVELOPED A COMPREHENSIVE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS A MEANS TO ACHIEVE COMPLIANCE WITH THE EPA'S NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES DURING CONSTRUCTION ACTIVITIES. THE AIRPORT HAS THE AUTHORITY TO INSPECT THE CONTRACTORS OPERATION WHILE OPERATING ON THE NEW BEDFORD REGIONAL AIRPORT PROPERTY AND IMPOSE EQUIPMENT FUELING AND MAINTENANCE RESTRICTIONS AND REQUIRE ADDITIONAL EROSION CONTROL BMP'S AND OTHER PROTECTIVE MEASURES TO BE INSTALLED TO REMAIN IN COMPLIANCE WITH THE EPA UNDER THE AIRPORTS SWPPP. THE CONTRACTOR, AS THE SITE "OPERATOR", SHALL BE REQUIRED TO ADHERE TO THE SWPPP FOR CONSTRUCTION AS DEVELOPED BY THE AIRPORT'S ENGINEER AND SHALL BE REQUIRED TO SIGN THE SWPPP AND THE INSPECTION REPORTS PRODUCED BY THE ENGINEER.

SURVEY BASE

EXISTING PLANIMETRIC DATA AND EXISTING FEATURES AS SHOWN IN THESE PLANS WERE DEVELOPED FROM A COMBINATION OF DATA COLLECTED DURING A FIELD TOPOGRAPHIC SURVEY, A TREE TOP AND AIRPORT AERIAL MAPPING SURVEY, HISTORIC AS-BUILT INFORMATION FROM VARIOUS AIRPORT, FAA, AND CITY PROJECTS, AND FROM USGS TOPOGRAPHICAL DATA DOWNLOADED FROM MASSGIS.COM. THE CONTRACTOR SHALL FIELD VERIFY ALL PLANIMETRIC AND EXISTING FEATURE INFORMATION AND IN THE CASE OF A DISCREPANCY NOTIFY THE ENGINEER IMMEDIATELY.

PROJECT SUBCONSULTANTS

ENVIRONMENTAL:	EPSILON ASSOCIATES, INC. 3 CLOCK TOWER PLACE, SUITE 250 MAYNARD, MA 01754
GEOTECHNICAL:	R.W. GILLESPIE & ASSOCIATES, INC. 86 INDUSTRIAL ROAD, SUITE 4 SACO, ME 04072

SURVEY BASE INFORMATION

FIELD SURVEY:	NITSCH ENGINEERING, INC. 2 CENTER PLAZA, SUITE 430 BOSTON, MA 02108
GIS:	THE OFFICE OF GEOGRAPHIC AND ENVIRONMENTAL INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
AERIAL MAPPING:	N/A
AS-BUILTS:	VARIOUS AS-BUILT PROJECTS. INFORMATION OBTAINED THROUGH THE NEW BEDFORD REGIONAL AIRPORT

ABBREVIATIONS

AC	ADVISORY CIRCULAR
AC.	ACRE
ADA	AMERICAN WITH DISABILITIES ACT
ADD. ALT.	ADDITIVE ALTERNATE
ADMIN.	ADMINISTRATION
AOA	AIRPORT OPERATIONS AREA
APPROX.	APPROXIMATELY
ASOS	AUTO. SENSOR OBSERVING SYSTEM
ATCT	AIR TRAFFIC CONTROL TOWER
AUTO.	AUTOMATED
AVE	AVENUE
AWG	AMERICAN WIRE GAUGE
℄	BASELINE
BMP	BEST MANAGEMENT PRACTICE
CB	CATCH BASIN
C/B	CIRCUIT BREAKER
CKT	CIRCUIT
℄	CENTERLINE
CMU	CONCRETE MODULAR UNIT
CONC.	CONCRETE
Cu	COPPER
DIA.	DIAMETER
DETL.	DETAIL
DWG.	DRAWING
EA.	EACH
EHH	ELECTRIC HANDHOLE
ELEC.	ELECTRIC
ELEV.	ELEVATION
EOP	EDGE OF PAVEMENT
EX.	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FED.	FEDERAL
FRMA	FR MAHONY
FT	FEET
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GR	GROUND
GRND	GROUND
HW	HEADWALL
I.D.	INNER DIAMETER
ILS	INSTRUMENT LANDING SYSTEM
IN.	INCH
INV.	INVERT
JC	JUNCTION CAN
LB	LEACHING BASIN
LB.	POUND
LF	LINEAR FEET
LT.	LEFT
MASSDOT	MA DEPARTMENT OF TRANSPORTATION AERONAUTICS
MA	MASSACHUSETTS
MAX.	MAXIMUM
MIN.	MINIMUM
M.N.	MAGNETIC NORTH
NDB	NON-DIRECTIONAL BEACON
NO.	NUMBER
NO'S.	NUMBERS
NOM.	NOMINAL
NOTAM	NOTICE TO AIRMEN (AIRPERSON)
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
PH.	PHASE
PROP.	PROPOSED
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PVM'T	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REIL	RUNWAY END IDENTIFIER LIGHT
REQ'D	REQUIRED
RD	ROAD
RSA	RUNWAY SAFETY AREA
RGS	RIGID GALVANIZED STEEL
RTE	ROUTE
RT.	RIGHT
ROFZ	RUNWAY OBJECT FREE ZONE
RPZ	RUNWAY PROTECTION ZONE
RW	RUNWAY
S	SLOPE
SB	SEDIMENTATION BASIN
SCH.	SCHEDULE
SPEC.	SPECIFICATION
STA.	STATION
SY	SQUARE YARD
TOFA	TAXIWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
TYP.	TYPICAL
TW	TAXIWAY
VAR.	VARIABLE

LEGEND

	AIRPORT PROPERTY BOUNDARY
39	EXISTING MAJOR CONTOUR
	EXISTING CHAIN-LINK FENCING
	BORDERING VEGETATED WETLANDS LIMIT
	BORDERING VEGETATED WETLANDS IMPACT
	OPEN WATER
25' 25'	25' BUFFER ZONE
100' 100'	100' BUFFER ZONE
	CONTRACTOR'S STAGING AREA/ ENGINEER'S FIELD OFFICE
	HAUL ROADS
TSA TSA TSA TSA	TAXIWAY A SAFETY AREA
I	WORK AREA IA
II	WORK AREA II
	BARRICADES
1+00	CONSTRUCTION BASELINE
	LIMITS OF WORK
38	PROPOSED MAJOR CONTOUR
	PROPOSED PAVEMENT
	GRASS ISLAND
	DRAINAGE PIPE
	CATCH BASIN
	DRAIN MANHOLE
	CONCRETE HEADWALL
	COMPOST FILTER SOCK

INDEX TO DRAWINGS

SHEET NO.	DWG NO.	SHEET TITLE
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2	G1.2	GENERAL NOTES AND INDEX TO DRAWINGS
3	G1.3	GENERAL PLAN
4	S1.1	CONSTRUCTION PHASING AND ACCESS ROAD PLAN (1 OF 3)
5	S1.2	CONSTRUCTION PHASING AND ACCESS ROAD PLAN (2 OF 3)
6	S1.3	CONSTRUCTION PHASING AND ACCESS ROAD PLAN (3 OF 3)
7	C1.1	TYPICAL SECTIONS
8	C2.1	GRADING AND DRAINAGE PLAN (1 OF 4)
9	C2.2	GRADING AND DRAINAGE PLAN (2 OF 4)
10	C2.3	GRADING AND DRAINAGE PLAN (3 OF 4)
11	C2.4	GRADING AND DRAINAGE PLAN (4 OF 4)
12	C3.1	DRAINAGE AND EROSION CONTROL DETAILS (1 OF 2)
13	C3.2	DRAINAGE AND EROSION CONTROL DETAILS (2 OF 2)

1 ADDED SHEET C3.2

COMMONWEALTH OF MASSACHUSETTS
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AIRPORT SOLUTIONS GROUP
INNOVATIVE AIRPORT DEVELOPMENT SPECIALISTS
AIRPORT CONSULTANTS
PLANNING | DESIGN | CONSTRUCTION SUPPORT
AURORA, MASSACHUSETTS

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PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_GENERAL
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	N.T.S.

SHEET TITLE
GENERAL NOTES AND INDEX TO DRAWINGS

GRAPHIC SCALE
NOT TO SCALE

DRAWING NO.
G1.2

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RECONSTRUCT TW A

RUNWAY 5-23

5

23

TAXIWAY A

TAXIWAY B

TAXIWAY F

RUNWAY 14-32

CONTRACTOR STAGING AREA

CONTRACTOR STAGING AREA

AIRPORT PROPERTY LINE

32

LEGEND

- AIRPORT PROPERTY LINE
- PROPOSED PAVEMENT
- BORDERING VEGETATED WETLANDS
- CONTRACTOR'S STAGING AREA / ENGINEER'S FIELD OFFICE
- OPEN WATER
- GRASS ISLAND

COMMONWEALTH OF MASSACHUSETTS
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NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_GENERAL
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	1" = 200'

SHEET TITLE
GENERAL PLAN

GRAPHIC SCALE
0 100 200 400

DRAWING NO.
G1.3

NOI SUBMISSION 12-18-2014

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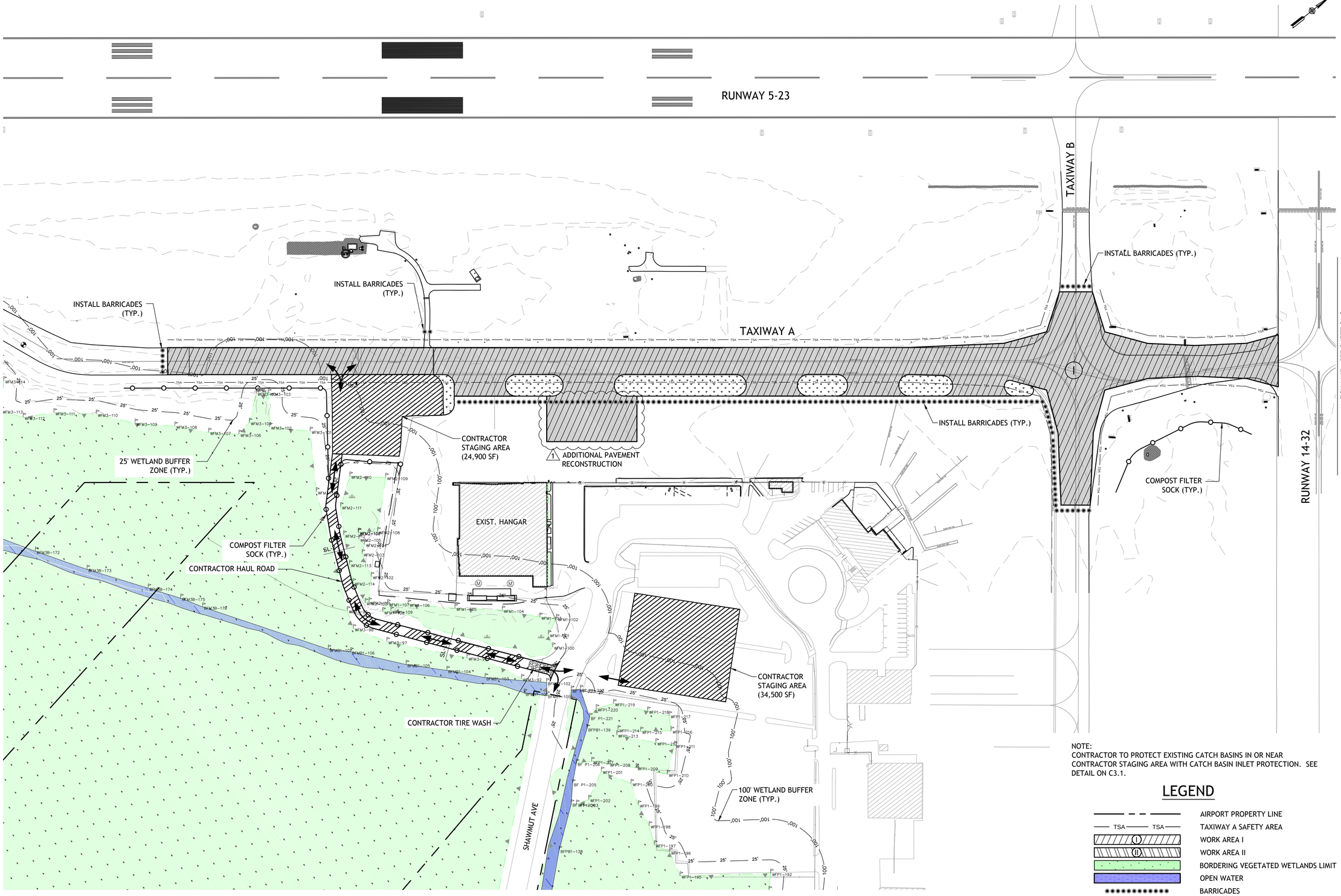

PHASING PLAN - WORK AREA I

SCALE: 1" = 80'

NOTE:
CONTRACTOR TO PROTECT EXISTING CATCH BASINS IN OR NEAR CONTRACTOR STAGING AREA WITH CATCH BASIN INLET PROTECTION. SEE DETAIL ON C3.1.

LEGEND

- AIRPORT PROPERTY LINE
- TSA — TSA — TAXIWAY A SAFETY AREA
- WORK AREA I
- WORK AREA II
- BORDERING VEGETATED WETLANDS LIMIT
- OPEN WATER
- BARRICADES
- HAUL ROADS
- COMPOST FILTER SOCK
- CONTRACTOR'S STAGING AREA/ ENGINEER'S FIELD OFFICE

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AIRPORT CONSULTANTS
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NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
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DESIGNED BY	RAL
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CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	1" = 80'

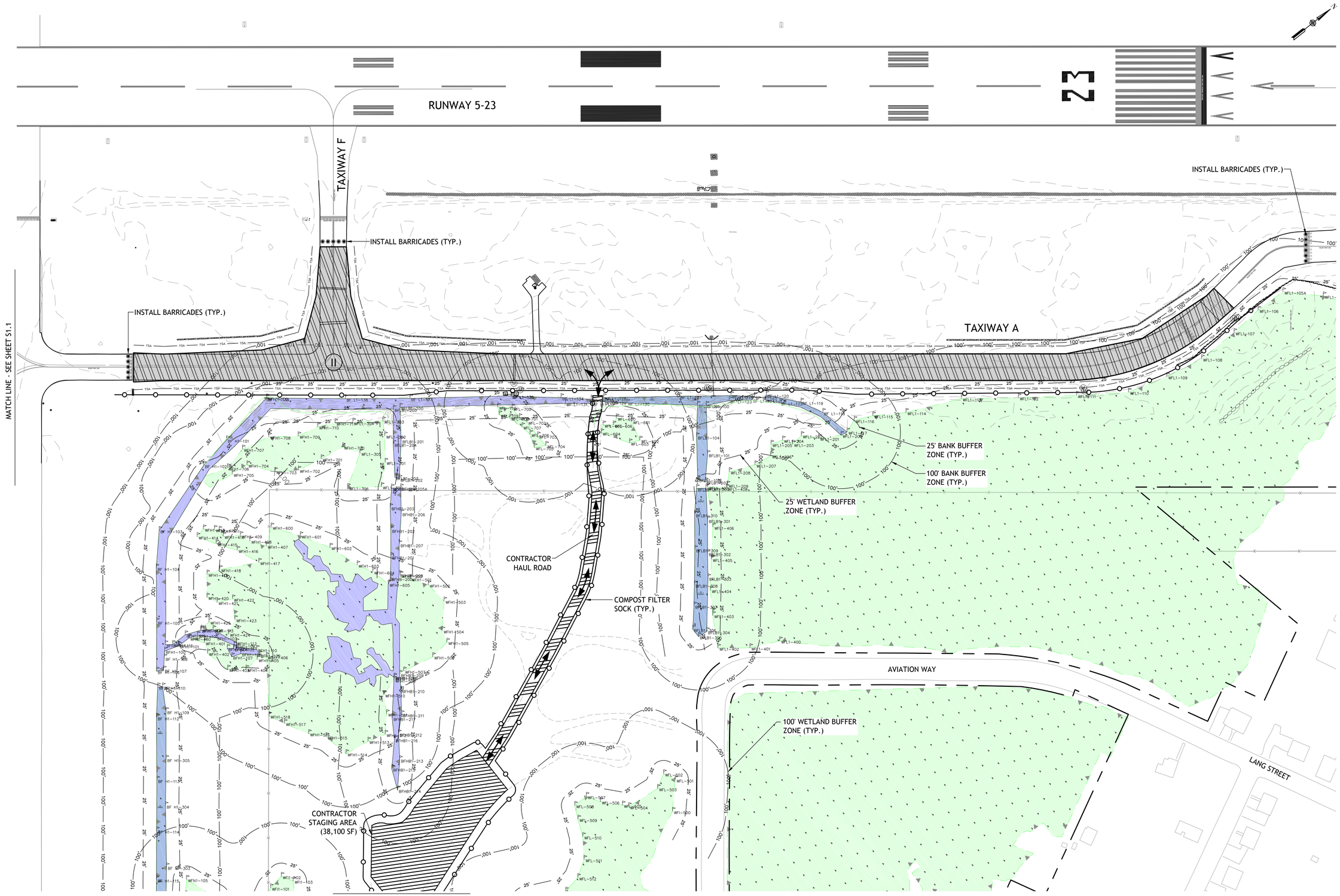
SHEET TITLE
CONSTRUCTION PHASING AND ACCESS ROAD PLAN (1 OF 3)

GRAPHIC SCALE
0 40 80 160

DRAWING NO.
S1.1

NOI SUBMISSION 12-18-2014

1/2/2015 8:52:50 AM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_PHASING.dwg (CNM)



PHASING PLAN - WORK AREA II

SCALE: 1" = 80'

NOTE:
FOR PHASING LEGEND SEE S1.1.

COMMONWEALTH OF MASSACHUSETTS
MARK K. OTTAVINO
No. 40444
REGISTERED PROFESSIONAL ENGINEER

AIRPORT SOLUTIONS GROUP
INNOVATIVE AIRPORT DEVELOPMENT SPECIALISTS
AIRPORT CONSULTANTS
PROVIDENCE, RHODE ISLAND • AUBURN, MASSACHUSETTS

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NO.	DATE	DESCRIPTION	BY

PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_PHASING
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	1" = 80'

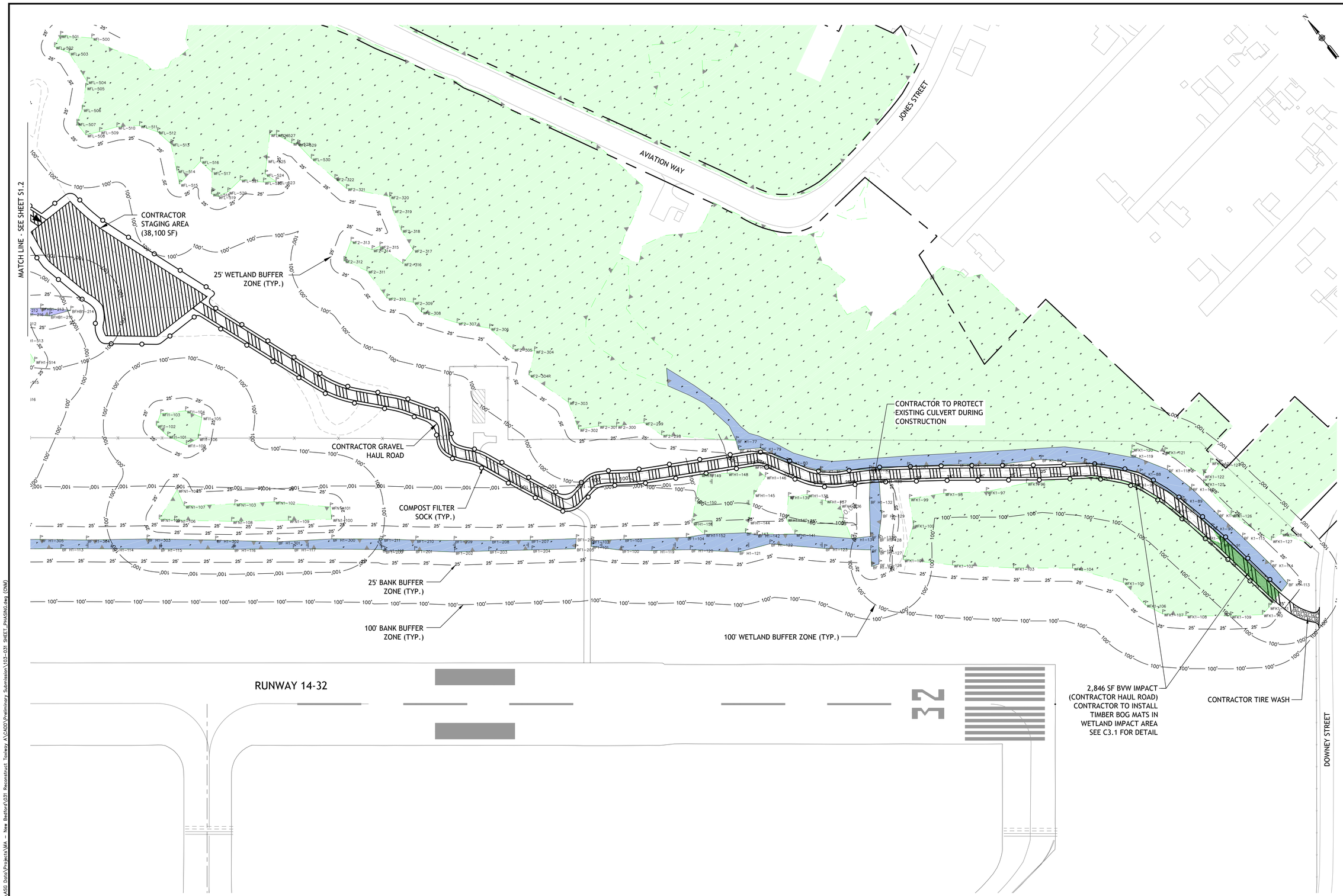
SHEET TITLE
CONSTRUCTION PHASING AND ACCESS ROAD PLAN (2 OF 3)

GRAPHIC SCALE
0 40 80 160

DRAWING NO.
S1.2

NOI SUBMISSION 12-18-2014

1/2/2015 8:52:50 AM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_PHASING.dwg (CNM)



ACCESS ROAD PLAN - WORK AREA II

SCALE: 1" = 80'

NOTE:
FOR PHASING LEGEND SEE S1.1.

COMMONWEALTH OF MASSACHUSETTS
MARK K. OTTAVINO
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PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_PHASING
DESIGNED BY	RAL
DRAWN BY	TJL
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	1" = 80'

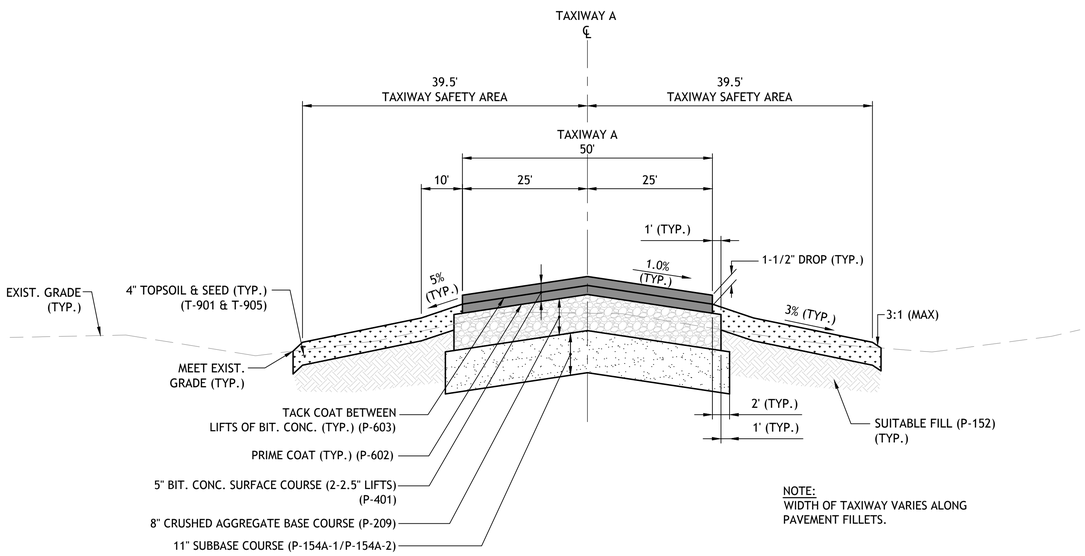
SHEET TITLE
CONSTRUCTION PHASING AND ACCESS ROAD PLAN (3 OF 3)

GRAPHIC SCALE
0 40 80 160

DRAWING NO.
S1.3

NOI SUBMISSION 12-18-2014

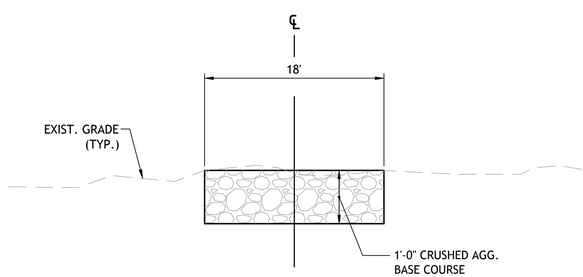
1/2/2015 8:52:50 AM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_PHASING.dwg (CNM)



NOTE:
WIDTH OF TAXIWAY VARIES ALONG PAVEMENT FILLETS.

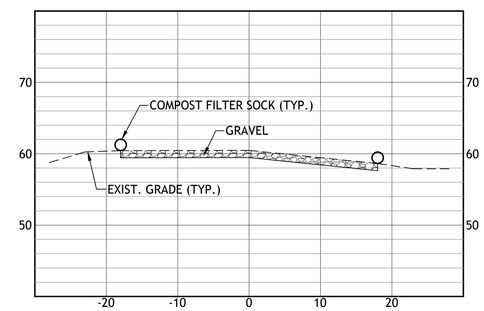
TAXIWAY A TYPICAL SECTION

SCALE: N.T.S.

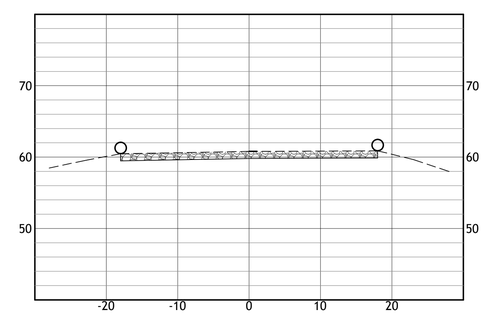


GRAVEL HAUL ROAD TYPICAL SECTION

SCALE: N.T.S.



STA. 5+00



STA. 2+00

GRAVEL HAUL ROAD SECTIONS

NO.	DATE	DESCRIPTION	BY

AIRPORT SOLUTIONS GROUP
INNOVATIVE AIRPORT DEVELOPMENT SPECIALISTS
AIRPORT CONSULTANTS
PROVIDENCE, RHODE ISLAND • AURORA, MASSACHUSETTS
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PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_TYPICAL
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	N.T.S.

SHEET TITLE
TYPICAL SECTIONS

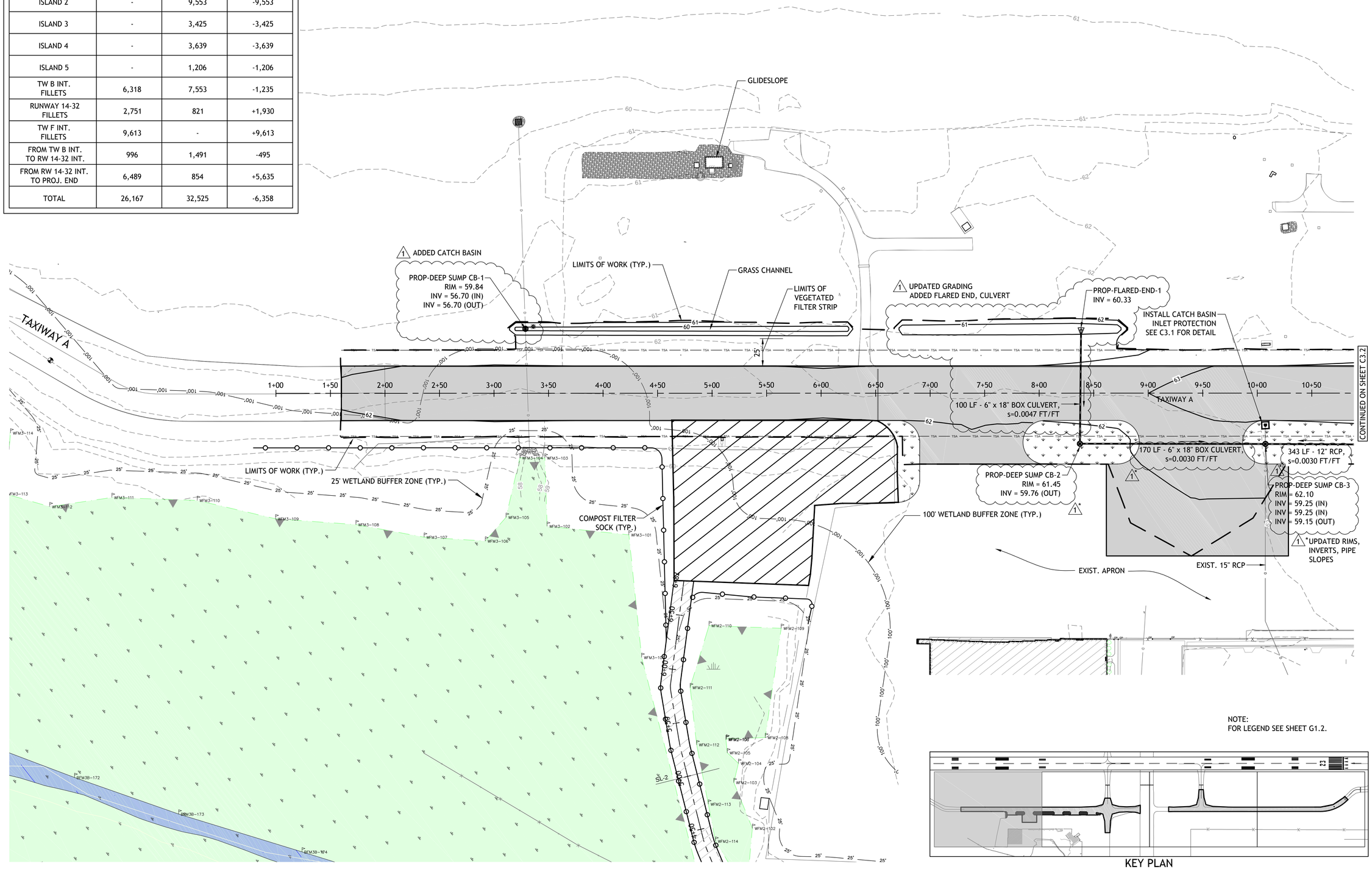
GRAPHIC SCALE
NOT TO SCALE

DRAWING NO.
C1.1

NOI SUBMISSION 12-18-2014

12/16/2014 8:45:25 AM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_TYPICAL SECTION.dwg (CNM)

IMPERVIOUS AREA TABLE			
LOCATION	IMPERVIOUS AREA ADDED (SQ FT)	IMPERVIOUS AREA REMOVED (SQ FT)	TOTAL (+/-)
ISLAND 1	-	3,983	-3,983
ISLAND 2	-	9,553	-9,553
ISLAND 3	-	3,425	-3,425
ISLAND 4	-	3,639	-3,639
ISLAND 5	-	1,206	-1,206
TW B INT. FILLETS	6,318	7,553	-1,235
RUNWAY 14-32 FILLETS	2,751	821	+1,930
TW F INT. FILLETS	9,613	-	+9,613
FROM TW B INT. TO RW 14-32 INT.	996	1,491	-495
FROM RW 14-32 INT. TO PROJ. END	6,489	854	+5,635
TOTAL	26,167	32,525	-6,358



1/2/2015 8:52:44 AM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_GRADING.dwg (CNM)

COMMONWEALTH OF MASSACHUSETTS
MARK K. OTTAVIANO
No. 40444
REGISTERED PROFESSIONAL ENGINEER

AIRPORT SOLUTIONS GROUP
INNOVATIVE AIRPORT DEVELOPMENT SPECIALISTS
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PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_GRADING
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	1" = 40'

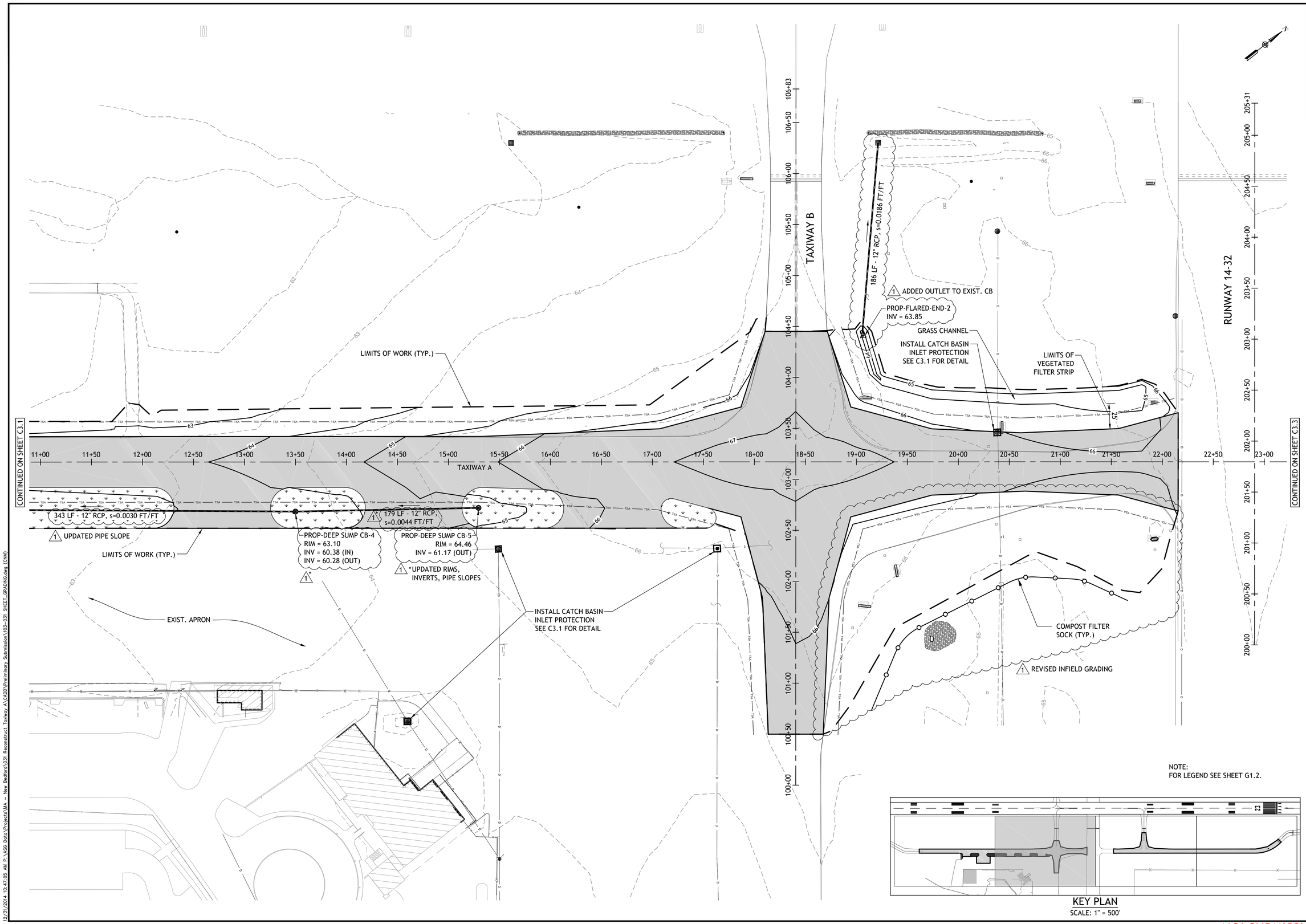
SHEET TITLE
GRADING AND DRAINAGE PLAN (1 OF 4)

GRAPHIC SCALE
0 20 40 80

DRAWING NO.
C2.1

8 OF 13

NOI SUBMISSION 12-18-2014



COMMONWEALTH OF MASSACHUSETTS
MARK K. OTTAVINO
No. 49164
REGISTERED PROFESSIONAL ENGINEER

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PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_GRADING
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	1" = 40'

SHEET TITLE
GRADING AND DRAINAGE PLAN (2 OF 4)

GRAPHIC SCALE
0 20 40 80

DRAWING NO.
C2.2

9 OF 13

NOI SUBMISSION 12-18-2014

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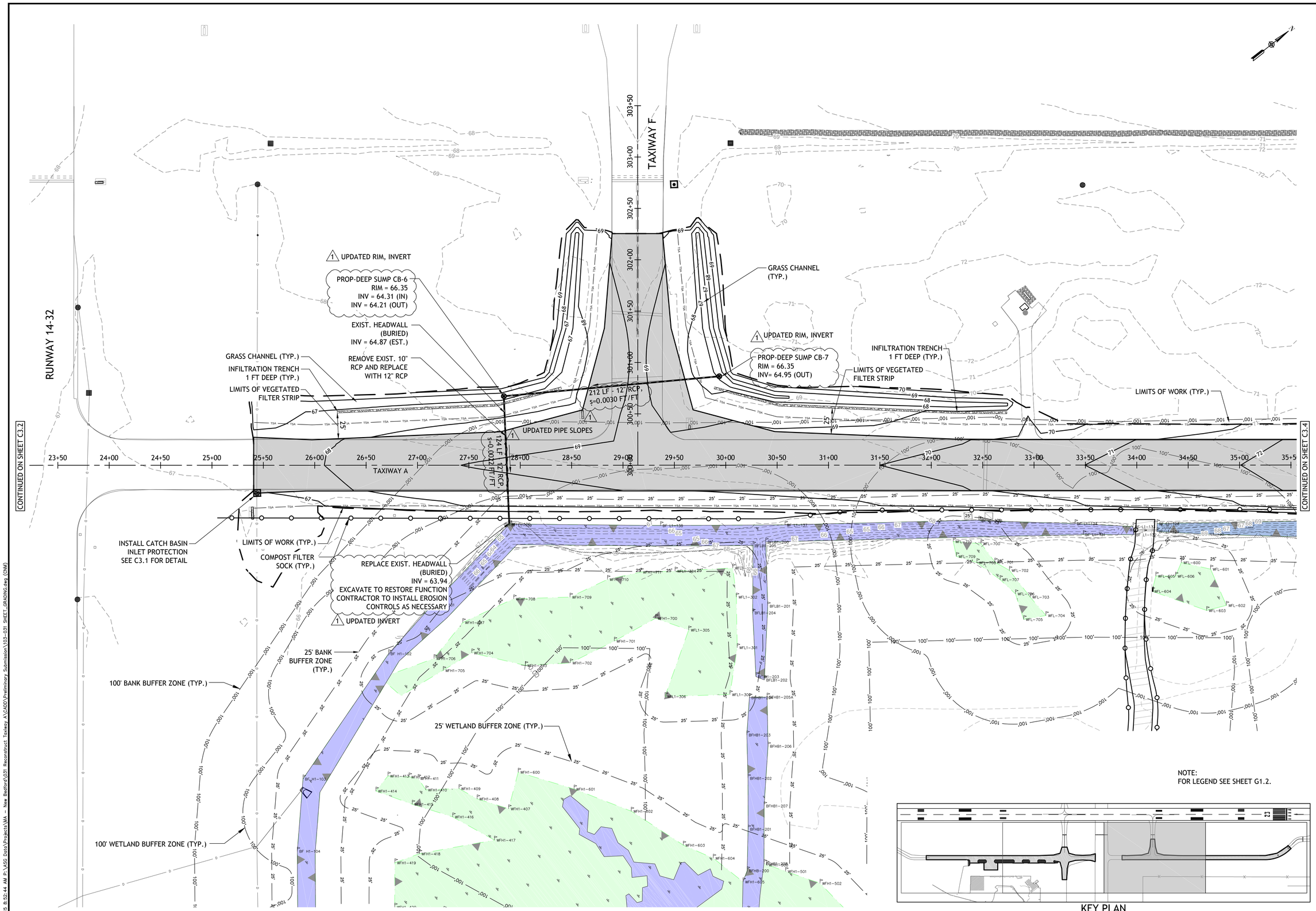

NOTE:
FOR LEGEND SEE SHEET G1.2.

KEY PLAN
SCALE: 1" = 500'

AIRPORT SOLUTIONS GROUP
INNOVATIVE AIRPORT DEVELOPMENT SPECIALISTS

NO.	DATE	DESCRIPTION	BY
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PROJECT
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NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_GRADING
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	1" = 40'

SHEET TITLE
GRADING AND DRAINAGE PLAN (3 OF 4)

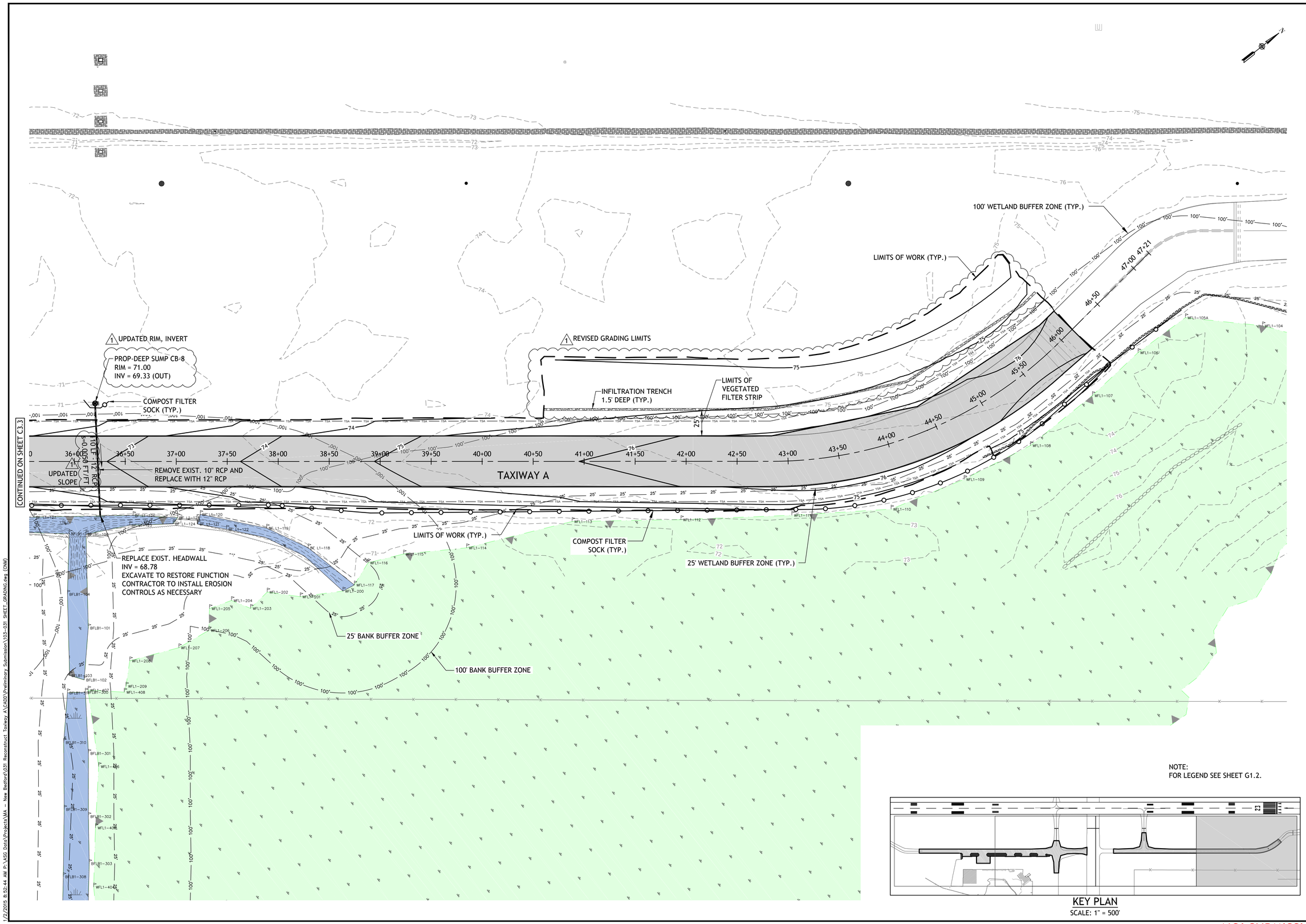
GRAPHIC SCALE
0 20 40 80

DRAWING NO.
C2.3

10 OF 13

NOI SUBMISSION 12-18-2014

1/2/2015 8:52:44 AM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_GRADING.dwg (CNM)



NOTE:
FOR LEGEND SEE SHEET G1.2.

KEY PLAN
SCALE: 1" = 500'

1/2/2015 8:52:44 AM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_GRADING.dwg (CNM)

COMMONWEALTH OF MASSACHUSETTS
MARK K. OTTAVIANO
No. 40444
REGISTERED PROFESSIONAL ENGINEER

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PROVIDENCE, RHODE ISLAND • AUBURN, MASSACHUSETTS
FAIRFIELD, CONNECTICUT • ALBANY, NEW YORK

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PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

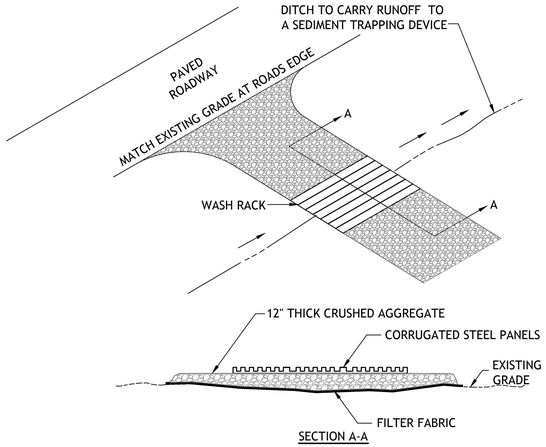
PROJECT NO.	103-030
CADD FILE	SHEET_GRADING
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	1" = 40'

SHEET TITLE
GRADING AND DRAINAGE PLAN (4 OF 4)

GRAPHIC SCALE
0 20 40 80

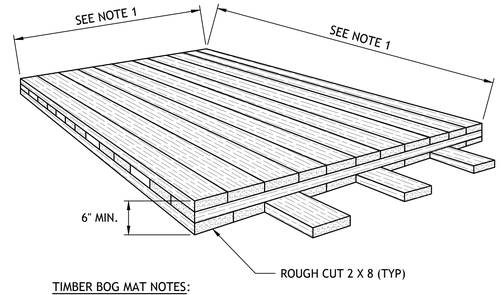
DRAWING NO.
C2.4

NOI SUBMISSION 12-18-2014



TYPICAL TIRE WASH DETAIL

SCALE: N.T.S.

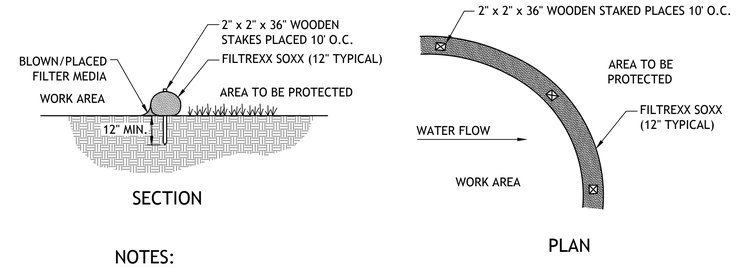


TIMBER BOG MAT NOTES:

1. THE LENGTH AND WIDTH DIMENSIONS OF THE TIMBER BOG MATS USED DURING CONSTRUCTION SHALL BE SELECTED ACCORDINGLY BASED ON THE SIZE OF THE EQUIPMENT INTENDED TO OPERATE ON THEM. AT NO TIME SHALL THE WHEEL BASE OR TRACK WIDTH OF THE EQUIPMENT WORKING ON THE TIMBER BOG MATS BE WIDER THAN THE MAT.
2. IN THE OPINION OF THE ENGINEER, TIMBER BOG MATS THAT ARE BROKEN, CRACKED, OR SEVERELY DETERIORATED BEYOND THEIR USEFUL SERVICE LIFE MUST BE REPLACED BY THE CONTRACTOR AT THE ENGINEERS' DISCRETION.
3. TIMBER BOG MATS SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.

TIMBER BOG MAT DETAIL

SCALE: N.T.S.

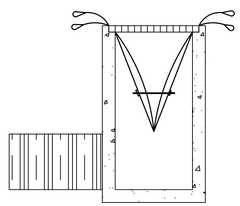


NOTES:

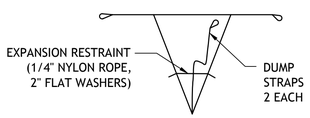
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE AS DETERMINED BY THE ENGINEER.

COMPOST FILTER SOCK (FILTREXX SOXX) SEDIMENT CONTROL DETAIL

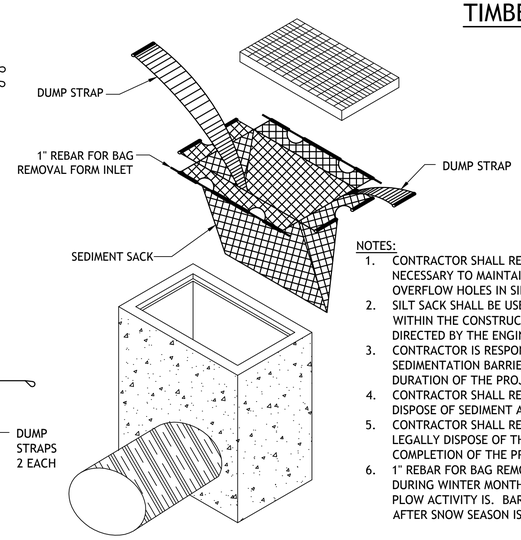
SCALE: N.T.S.



INSTALLATION DETAIL



BAG DETAIL

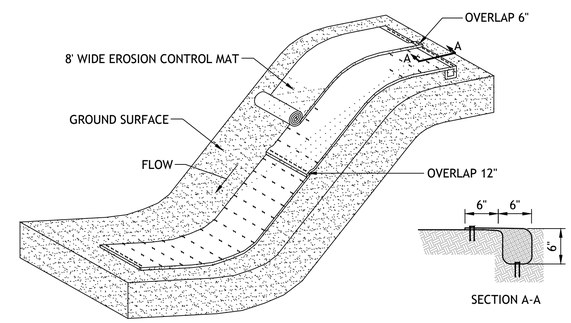


NOTES:

1. CONTRACTOR SHALL REMOVE SEDIMENT AS NECESSARY TO MAINTAIN LEVEL BELOW OVERFLOW HOLES IN SILT SACK.
2. SILT SACK SHALL BE USED ON ALL CATCH BASINS WITHIN THE CONSTRUCTION ZONE OR AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SEDIMENTATION BARRIERS THROUGHOUT THE DURATION OF THE PROJECT.
4. CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF SEDIMENT AS REQUIRED.
5. CONTRACTOR SHALL REMOVE SILT SACKS AND LEGALLY DISPOSE OF THEM OFF-SITE, UPON COMPLETION OF THE PROJECT AND AS REQUIRED.
6. 1" REBAR FOR BAG REMOVAL SHALL BE REMOVED DURING WINTER MONTHS AT LOCATIONS WHERE PLOW ACTIVITY IS. BARS SHALL BE REINSTALLED AFTER SNOW SEASON IS COMPLETE.

CATCH BASIN INLET PROTECTION DETAIL

SCALE: N.T.S.

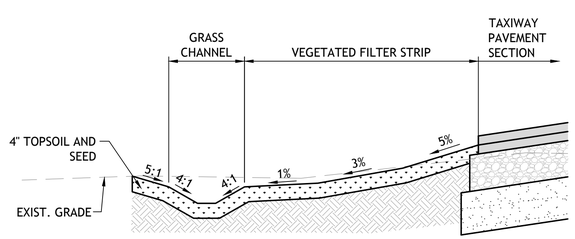


EROSION CONTROL MATTING NOTES:

1. PRIOR TO PLACING EROSION CONTROL MATTING, PREPARE THE SOIL BY RAKING AREA FREE OF CLODS AND LARGE STONES.
2. SEED, MULCH AND FERTILIZER SHALL BE DISTRIBUTED AS SPECIFIED OVER THE PREPARED SOIL PRIOR TO PLACING THE EROSION CONTROL MATTING.
3. ALL SEAMS SHALL BE OVERLAPPED A MINIMUM OF 12" AND SECURED WITH STAPLES 18" ON CENTER.
4. TO SECURE MAT TO GROUND, STAPLE RANDOMLY AT 24" INTERVALS THROUGHOUT, OR AT 12" AT ENDS
5. APPROXIMATELY 200 STAPLES PER ROLL
6. PLACE EROSION CONTROL MATTING AS DIRECTED BY THE ENGINEER AND ON SLOPES GREATER THAN 5:1.

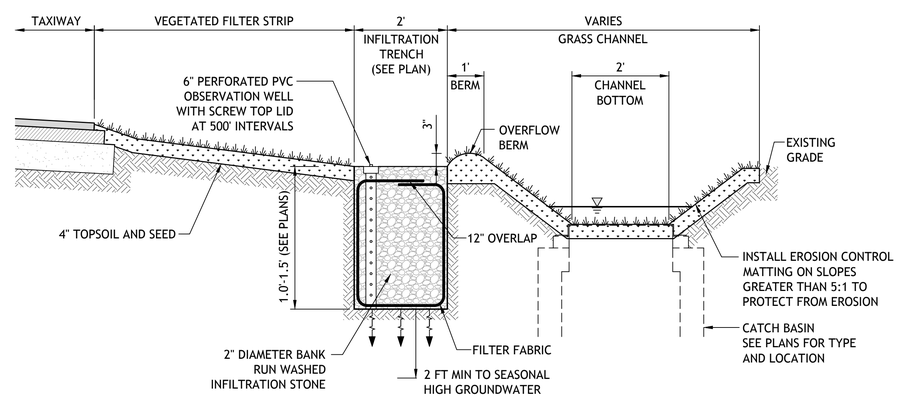
EROSION CONTROL MATTING DETAIL

SCALE: N.T.S.



VEGETATED FILTER STRIP AND GRASS CHANNEL DETAIL

SCALE: N.T.S.



INFILTRATION TRENCH DETAIL

SCALE: N.T.S.

COMMONWEALTH OF MASSACHUSETTS
MARK K. OTTAVIANO
No. 47447
REGISTERED PROFESSIONAL ENGINEER

AIRPORT SOLUTIONS GROUP
INNOVATIVE AIRPORT DEVELOPMENT SPECIALISTS
AIRPORT CONSULTANTS
PROVIDENCE, RHODE ISLAND • AUBURN, MASSACHUSETTS
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NO.	DATE	DESCRIPTION	BY
1	12/31/14	GRADING AND DRAINAGE REVISIONS	CNM

PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_DRAINAGE D
DESIGNED BY	RAL
DRAWN BY	CNM
CHECKED BY	RAL
DATE	DECEMBER 2014
DRAWING SCALE	N.T.S.

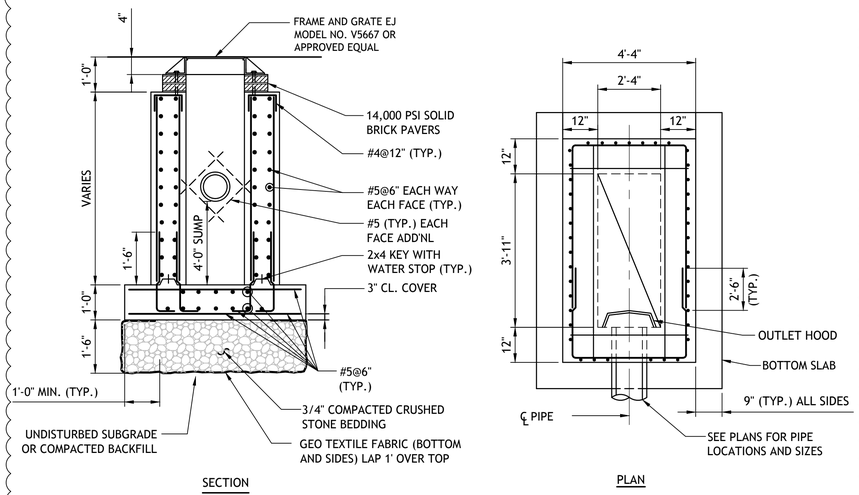
SHEET TITLE
DRAINAGE AND EROSION CONTROL DETAILS (1 OF 2)

GRAPHIC SCALE
NOT TO SCALE

DRAWING NO.
C3.1

NOI SUBMISSION 12-18-2014

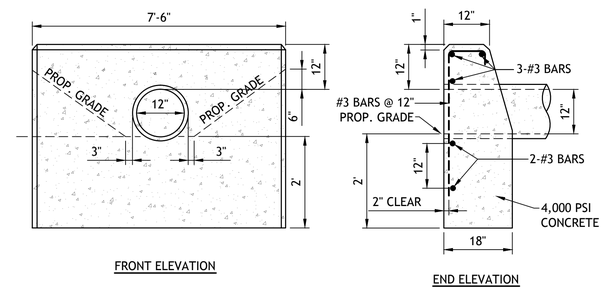
12/31/2014 10:17:58 AM P:\ASG Data\Projects\MA - New Bedford\031 Reconstruct Taxiway A\CADD\Preliminary Submission\103-031 SHEET_DRAINAGE DETAILS.dwg (CNM)



DEEP SUMP CONCRETE CATCH BASIN DETAIL

SCALE: N.T.S.

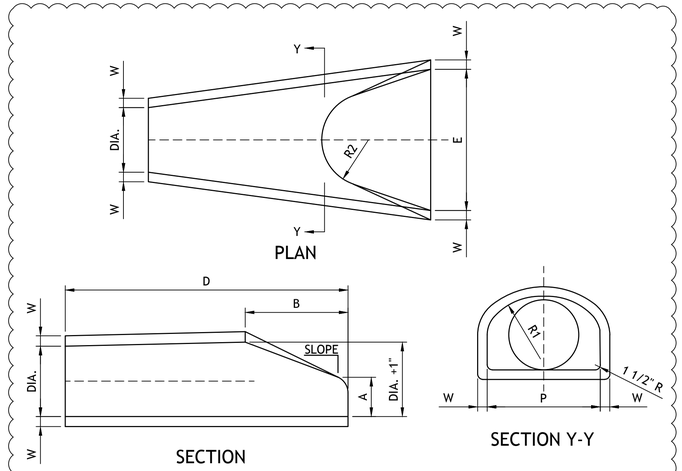
1 CHANGED CATCH BASIN TYPE



CONCRETE HEADWALL DETAIL

SCALE: N.T.S.

1 ADDED HEADWALL



DIAMETER (IN.)	W	A	B	D	E	P	DIA. +1"	R1	R2	SLOPE
12"	2"	4"	2'-0"	6'-0"	2'-0"	19 15/16"	13"	10 1/8"	9"	1V:3H
15"	2 1/4"	6"	2'-3"	6'-0"	2'-6"	24 5/16"	16"	12 1/2"	11"	1V:3H

REINFORCED CONCRETE PIPE FLARED END DETAIL

SCALE: N.T.S.

1 ADDED FLARED END

COMMONWEALTH OF MASSACHUSETTS
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NO.	DATE	DESCRIPTION	BY
1	12/31/14	GRADING AND DRAINAGE REVISIONS	CNM

PROJECT
NOTICE OF INTENT PERMIT DRAWINGS

OWNER
NEW BEDFORD AIRPORT COMMISSION
NEW BEDFORD REGIONAL AIRPORT
NEW BEDFORD, MASSACHUSETTS

PROJECT NO.	103-030
CADD FILE	SHEET_DRAINAGE D
DESIGNED BY	RAL
DRAWN BY	CNM
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DATE	DECEMBER 2014
DRAWING SCALE	N.T.S.

SHEET TITLE
DRAINAGE AND EROSION CONTROL DETAILS (2 OF 2)

GRAPHIC SCALE
NOT TO SCALE

DRAWING NO.
C3.2

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