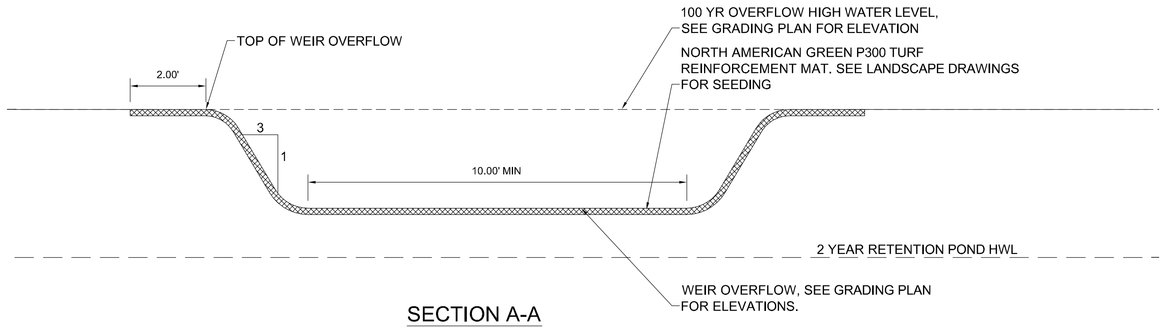
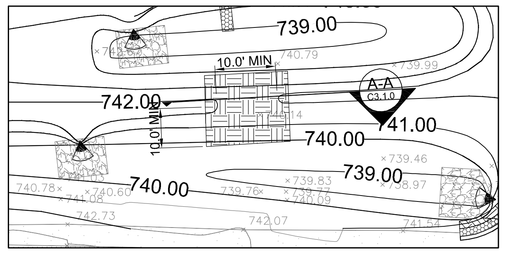


SECTION A-A
SCALE: NTS

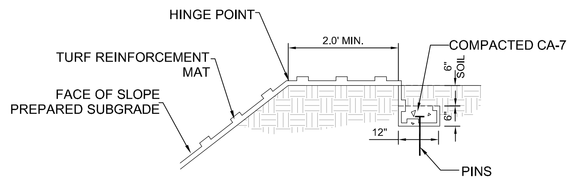


PLAN
SCALE 1"=20'

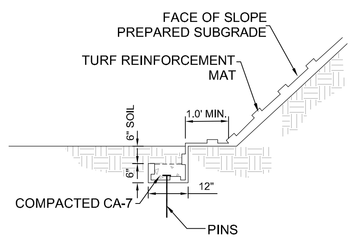
NOTES:

1. TURF REINFORCEMENT MAT TO BE INSTALLED A MINIMUM OF 10.0' DOWN SLOPE OF OVERFLOW WEIR ELEVATION.
2. MANUFACTURER TO DETERMINE RECOMMENDED PIN SPACING AND DEPTH.

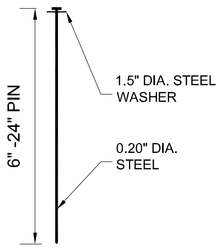
1 100-YR OVERFLOW WEIR
SCALE: AS INDICATED



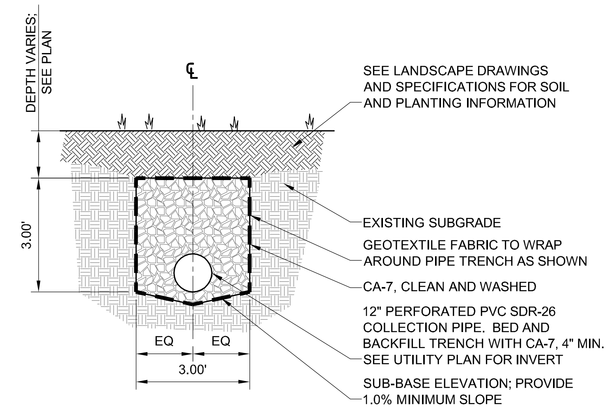
TRENCH AT TOP OF SLOPE DETAIL
SCALE: NTS



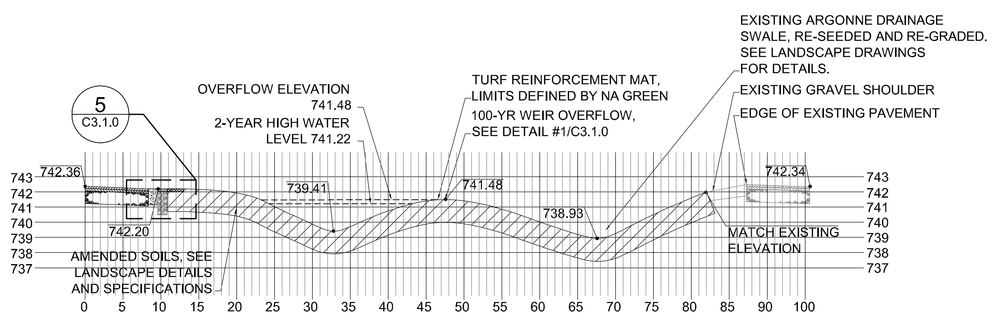
TRENCH AT TOE OF SLOPE DETAIL
SCALE: NTS



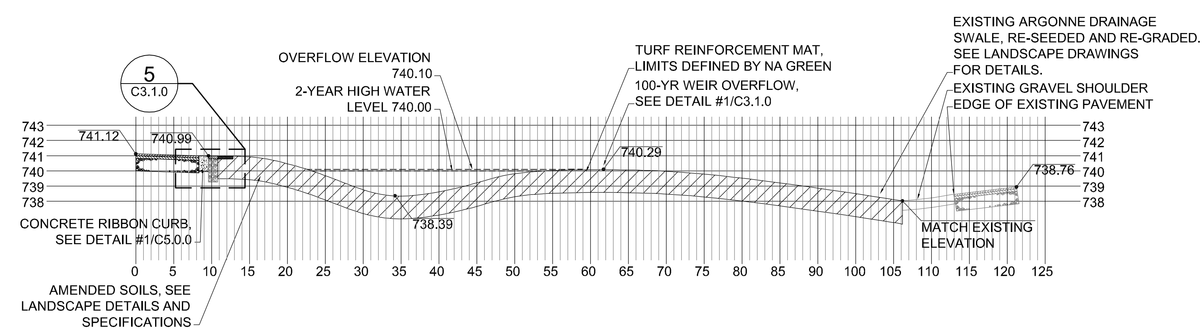
PIN DETAIL
SCALE: NTS



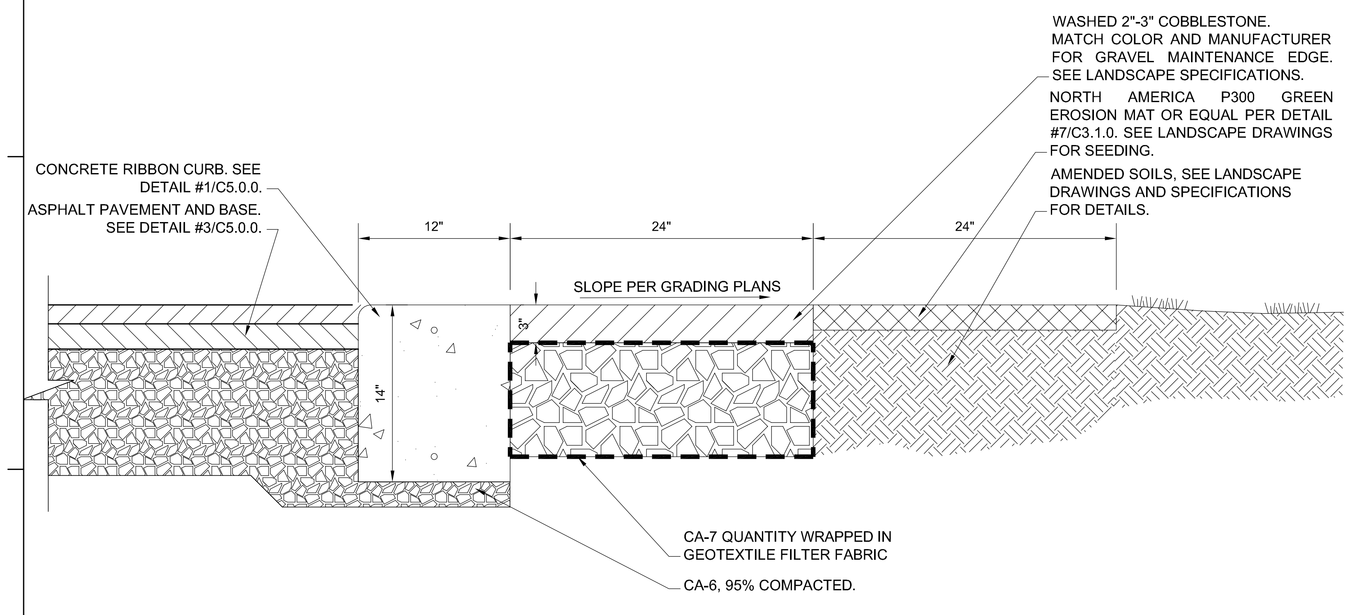
2 INFILTRATION TRENCH
SCALE: 1" = 2'



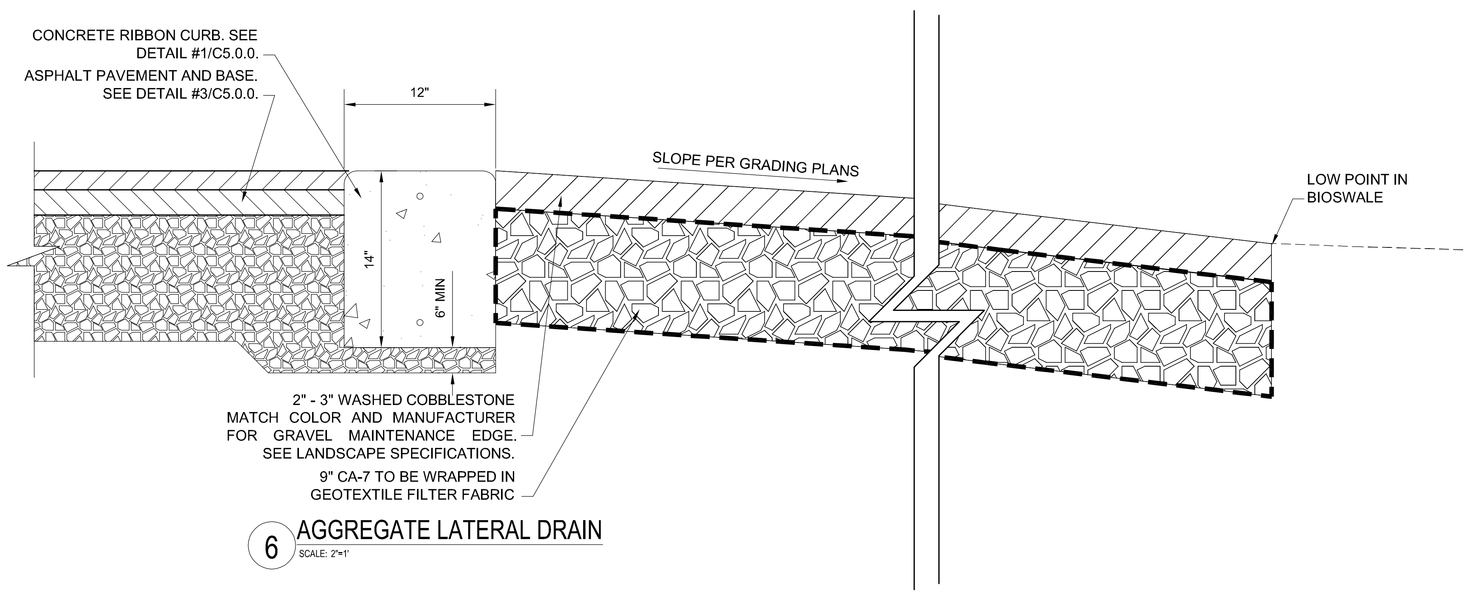
3 WEST DRAINAGE CROSS-SECTION
SCALE: 1"=5' VERT. 1"=10' HORIZ.



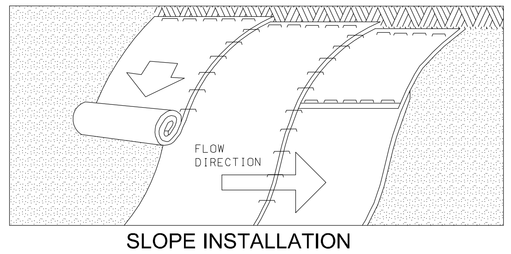
4 EAST DRAINAGE CROSS-SECTION
SCALE: 1"=5' VERT. 1"=10' HORIZ.



5 FILTER STRIP
SCALE: 2"=1'



6 AGGREGATE LATERAL DRAIN
SCALE: 2"=1'



SLOPE INSTALLATION

7 EROSION CONTROL BLANKET INSTALLATION
SCALE: NTS

NOTES:

1. PREPARE SOIL BEFORE INSTALLING PER LANDSCAPE SPECIFICATION.
2. BEGIN AT THE TOP OF THE SLOPE (OR CHANNEL) BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN (STARTING AT DOWNSTREAM PROCEEDING UPSTREAM) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH A MINIMUM 4" OVERLAP.
5. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

Plot Date:

SMITHGROUP
architecture engineering interiors planning
SMITHGROUP, INC
35 EAST WACKER
SUITE 2200
CHICAGO, IL 60601
T 312.641.0770
F 312.641.6728
www.smithgroup.com

JJR landscape architecture planning urban design civil engineering environmental science
JJR, LLC
35 EAST WACKER DRIVE
SUITE 2200
CHICAGO, ILLINOIS 60601
312.641.0510 T
312.641.0668 F
www.jjr-us.com

Affiliated Engineers
Affiliated Engineers, Inc.
5802 Research Park Boulevard
Madison, Wisconsin 53719
Tel 608.238.2616 Fax 608.238.2614

Thornton Tomasetti
Thornton Tomasetti, Inc.
330 N. Wabash Avenue, Suite 1500
Chicago IL 60611-7622
T 312.596.2000 F 312.596.2001

TERRA ENGINEERING LTD.
225 West Ohio Street, 4th Floor
Chicago, Illinois 60654
T:(312)467-0123 F:(312) 467-0220

SEALS AND SIGNATURES

JAMIL BOU-SAAB
062-047537
REGISTERED PROFESSIONAL ENGINEER
OF
ILLINOIS

KEYPLAN

PROJECT NORTH

A B

REV. NO.	DESCRIPTION	BY	APVD	DATE
0	ISSUED FOR CONSTRUCTION			07/03/12

Argonne NATIONAL LABORATORY

FMS
Facilities Management Services

PROJECT TITLE: ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY
PROJECT NO: 22378.000

DRAWING TITLE

SITE GRADING DETAILS

DESIGNED KM	A/E CADD FILE	FACILITY NO(S)
DRAWN AC/CM	A/E DWG. NO.	
CHECKED KS	CAD NO:	
PROJECT MANAGER ANL - JESSE ADAMS	DWG STATE	
DATE - 07.03.2012	BIND ORDER	
FACILITY DOCUMENT NUMBER J446-101-W-C3.1.0		REV. NO.