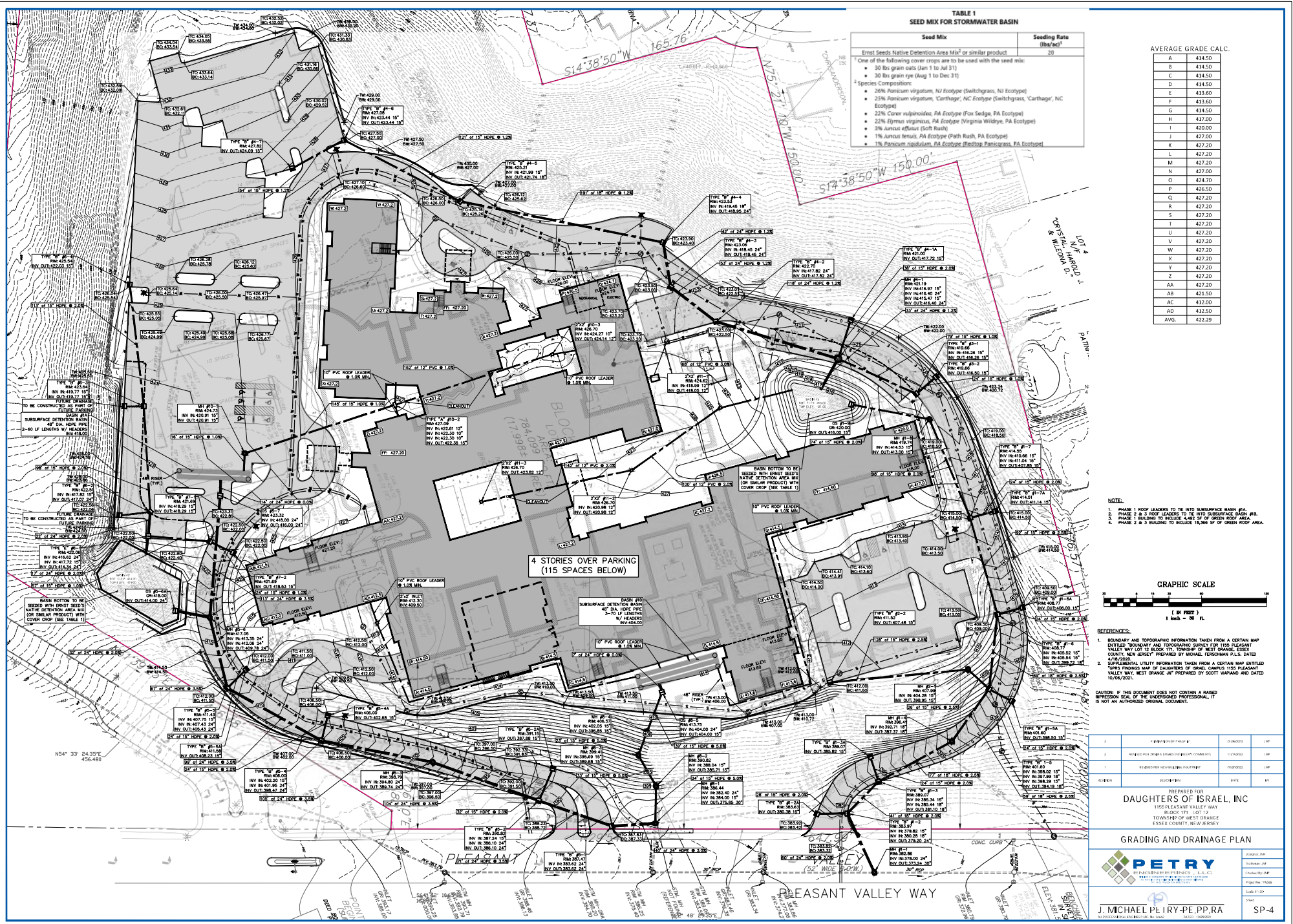


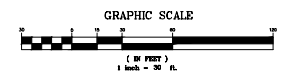


Seed Mix	Seeding Rate (lbs/ac) ¹
Ernst Seeds Native Detention Area Mix ² or similar product	20
¹ One of the following cover crops are to be used with the seed mix: • 30 lb grain rye (Jan 1 to Jul 31) • 30 lb grain vetch (Aug 1 to Dec 31)	
² Species Composition: • 26% <i>Panicum virgatum</i>, NJ Ecotype (Switchgrass, NJ Ecotype) • 25% <i>Panicum virgatum</i>, Carthage[®], NC Ecotype (Switchgrass, Carthage[®], NC Ecotype) • 22% <i>Cenchrus ciliaris</i>, PA Ecotype (Fox Seed, PA Ecotype) • 22% <i>Elymus virginicus</i>, PA Ecotype (Virginia Wildrye, PA Ecotype) • 1% <i>Aeluropus laticarpus</i> (Soft Rye) • 1% <i>Aeluropus laticarpus</i>, PA Ecotype (Soft Rye, PA Ecotype) • 1% <i>Panicum angustifolium</i>, PA Ecotype (Belted Paniclegrass, PA Ecotype)	

A	414.50
B	414.50
C	414.50
D	414.50
E	413.60
F	413.60
G	414.50
H	417.00
I	420.00
J	427.00
K	427.20
L	427.20
M	427.20
N	427.00
O	424.70
P	426.50
Q	427.20
R	427.20
S	427.20
T	427.20
U	427.20
V	427.20
W	427.20
X	427.20
Y	427.20
Z	427.20
AA	427.20
AB	421.50
AC	412.00
AD	412.50
AVG.	422.29

NOTE:

1. PHASE 1 ROOF LEADERS TO TIE INTO SUBSURFACE BASIN #1A.
2. PHASE 2 & 3 ROOF LEADERS TO TIE INTO SUBSURFACE BASIN #1B.
3. PHASE 1 BUILDING TO INCLUDE 4,492 SF OF GREEN ROOF AREA.
4. PHASE 2 & 3 BUILDING TO INCLUDE 18,366 SF OF GREEN ROOF AREA.



REFERENCES:

1. BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM A CERTAIN MAP ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY FOR 1155 PLEASANT VALLEY WAY LOT 12 BLOCK 177, TOWNSHIP OF WEST ORANGE, ESSEX COUNTY, NEW JERSEY" PREPARED BY MICHAEL PERSCHMAN P.L.S. DATED 4/18/2020.
2. SUPPLEMENTAL UTILITY INFORMATION TAKEN FROM A CERTAIN MAP ENTITLED "GPS FINDINGS MAP OF DAUGHTERS OF ISRAEL CAMPUS 1155 PLEASANT VALLEY WAY, WEST ORANGE NJ" PREPARED BY SCOTT WAPIANO AND DATED 10/06/2021.

CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN A RAISED IMPRESSION SEAL OF THE UNDERSIGNED PROFESSIONAL, IT IS NOT AN AUTHORIZED ORIGINAL DOCUMENT.

2	REVISION OF PAGE 8	01/06/2012	JMP
2	REMOVED DESIGN BOARD ENGINEER COMMENTS	11/27/2012	JMP
1	REMOVED PER REVIEW BOARD FOOTNOTES	02/29/2012	JMP
REVISION	DESCRIPTION	DATE	BY

PREPARED FOR
DAUGHTERS OF ISRAEL, INC
1155 PLEASANT VALLEY WAY
BLOCK 171 LOT 12
TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY

GRADING AND DRAINAGE PLAN



J. MICHAEL PEIRY-PE,PP,RA

SP-4