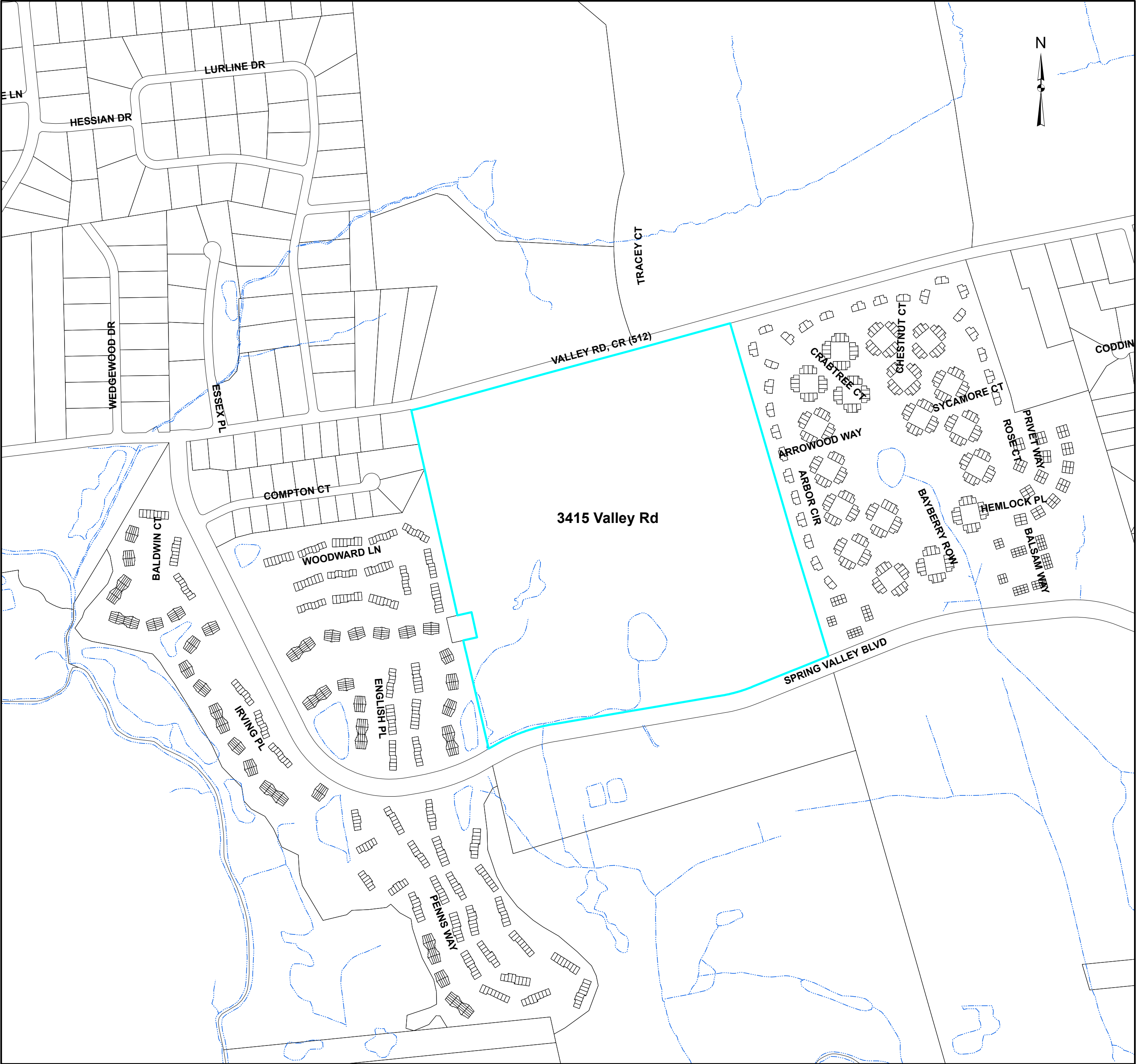
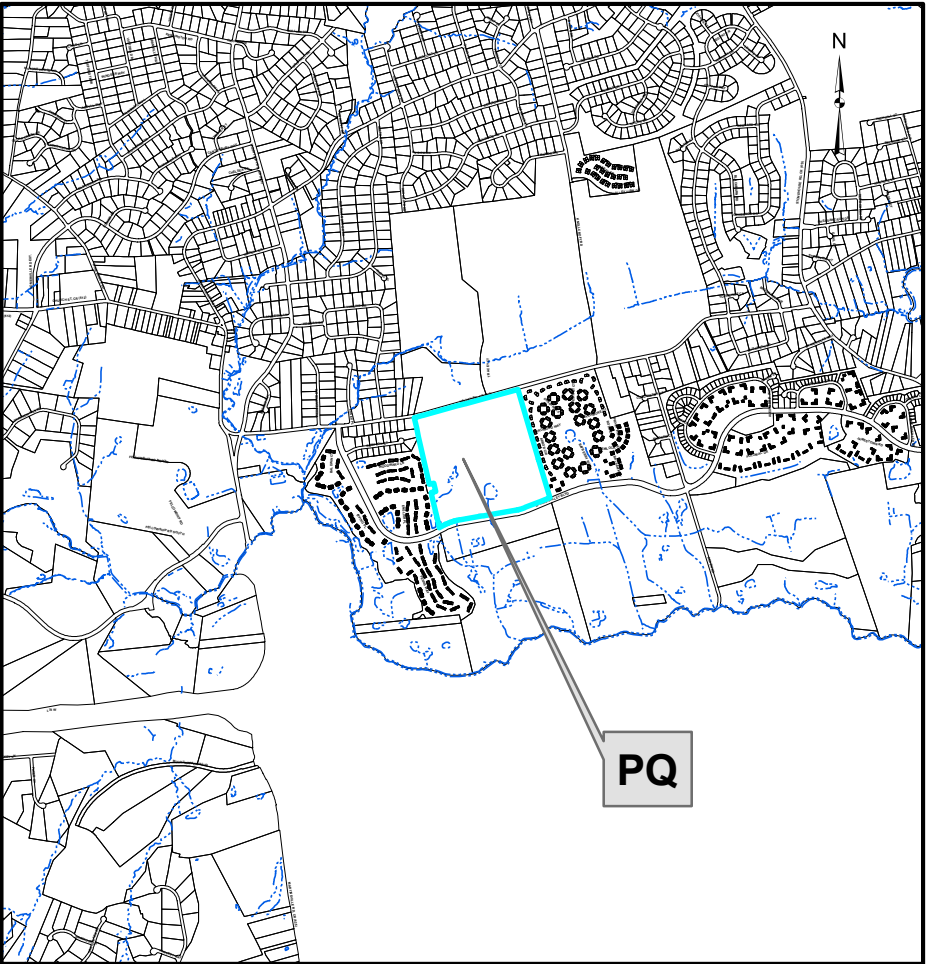


Bonnie Brae Bio-Retention Basin, Drainage & Access Easement Block 9002, Lot 1; 3415 Valley Road



Key Map



VALLEY

ROAD

(58' R.O.W.)

PLEASANT VALLEY PARK

30'

MILL 2" OF EXISTING PAVEMENT REPLACE W/ 2" SURFACE COURSE

265.1

263.4

263.3

265.1

266.6

263.3

259.5

264.9

400 FT SIGHT LINE

400 FT SIGHT LINE

FOR ADDITION SIGHT LINE SEE SHEET 3.

ANY VEGETATION WITHIN THE LINE OF SIGHT SHALL BE CLEARED OR TRIMMED TO PROVIDE CLEAR SIGHT DISTANCE, IN ACCORDANCE WITH "SOMERSET COUNTY PUBLIC WORKS HANDBOOK".

ANY VEGETATION WITHIN THE LINE OF SIGHT SHALL BE CLEARED OR TRIMMED TO PROVIDE CLEAR SIGHT DISTANCE, IN ACCORDANCE WITH "SOMERSET COUNTY PUBLIC WORKS HANDBOOK".

TOWNSHIP WETLANDS CONSERVATION EASEMENT

EXISTING METER PIT

SAWCUT EXISTING PAVEMENT

SAWCUT EXISTING PAVEMENT

262.8

BONNIE BRAE ENTRANCE DRIVE

EXISTING 8" WATER MAIN TO REMAIN

FES 100 INSTALL FLARED END SECTION, SEE DETAIL
INV. OUT 263.57
INSTALL RIP/RAP APRON, SEE DETAIL

EMERGENCY GRASS SPILLWAY 30' x 70' ELEV. 270.60

TOP OF BERM FINISHED GRADE ELEV. 272.80

10" x 13" BIO-FILTER BASIN FLOOR EL. 267.70

INSPECTION RISER

SEDIMENT CLEANOUT LEVEL = 268.50

INSPECTION RISER

PROPOSED 10" x 10" IN/OUT 268.00

NOTE:
A DEED SHALL BE FILLED ALLOWING BERNARDS TOWNSHIP AND SOMERSET COUNTY TO HAVE ACCESS TO, MAINTAIN, OR REPAIR THE BIO-BASIN IF THE OWNER FAILS TO MAINTAIN, OR REPAIR THE BASIN AS NECESSARY.

GENERAL NOTES:

- TOPOGRAPHY, BUILDINGS, AND ROADS SHOWN ON SHEETS 1, 2, & 3 WERE TAKEN FROM "AMENDED PHASE C, PRELIMINARY & FINAL SITE PLAN FOR NEW BUILDING AT BONNIE BRAE", BY PAGE ENGINEERING CONSULTANTS, PC DATED 11/1/05.
- HORIZONTAL AND VERTICAL CONTROLS ESTABLISHED BY G.P.S. SURVEY. HORIZONTAL: N.J.S.P.C.S. NAD 1927 VERTICAL: N.G.V.D.: 1929
- EXISTING CONDITIONS AND LOCAL TOPOGRAPHIC SPOT ELEVATIONS ARE FROM FIELD DATA COLLECTED BY THIS FIRM, UNDER THE SUPERVISION OF CHRISTOPHER J. ALDRICH, N.J.P.L.S. NO. 34478, DECEMBER 8, 2016.
- BOUNDARY SURVEY INFORMATION SHOWN HEREON WAS TAKEN FROM "OVERALL SITE EXISTING FEATURES & BOUNDARY SURVEY PLAN - BONNIE BRAE", BLOCK 178.02 - LOT 31, TOWNSHIP OF BERNARDS, SOMERSET COUNTY, NEW JERSEY, BY SCHOOP DETALMA, DATED 7/12/05.
- EXISTING ZONING INFORMATION INCLUDING EXISTING FLOOR AREA AND EXISTING IMPERVIOUS WERE TAKEN FROM "AMENDED PHASE C, PRELIMINARY & FINAL SITE PLAN FOR NEW BUILDING AT BONNIE BRAE", BY PAGE ENGINEERING CONSULTANTS, PC DATED 11/1/05.
- EXISTING PV SOLAR ARRAY INFORMATION WAS TAKEN FROM "BLOCK 9002, LOT 1, BONNIE BRAE PV SOLAR ARRAY, AS-BUILT PLAN" BY MIDATLANTIC ENGINEERING PARTNERS, INC. OCT. 28, 2013.
- FRESHWATER WETLANDS AND TRANSITION AREAS SHOWN HERE ON WERE VERIFIED BY NJDEP LURP FILE NO.: 1802-00-0002.1, FWLT, DATED JUNE 5, 2000.
- FOR PROPOSED BUILDING DIMENSIONS, FLOOR PLANS AND BUILDING ELEVATIONS REFER TO ARCHITECTURAL DRAWINGS PREPARED BY GANNETT FLEMING ARCHITECTS.
- EXISTING UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS APPROXIMATE AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL UTILITY INFORMATION PRIOR TO BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL CONTACT ONE CALL SERVICE AT 1-800-222-1000 AND OTHER LOCAL UTILITY COMPANIES AS REQUIRED FOR UTILITY MARKOUT PRIOR TO ANY EXCAVATION. WHERE EXISTING UNDERGROUND UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING LOCATIONS, ELEVATIONS, MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS.
- ALL HANDICAPPED ACCESSIBLE ROUTES SHALL COMPLY WITH THE NEW JERSEY UNIFORM CONSTRUCTION CODE. HANDRAILS SHALL BE INSTALLED ON RAMPS WHERE ELEVATIONS ARE GREATER THAN 0.5 FT. AND SLOPES ARE GREATER THAN 5.0% AS REQUIRED BY THE ADA LATEST REVISION. IN THE EVENT AN IMPROVEMENT DESIGNED FOR HANDICAPPED ACCESSIBILITY IS NOT SUBJECT TO THE "NJACC", THE APPLICANT'S ENGINEER SHALL CERTIFY THAT THE IMPROVEMENT HAS BEEN CONSTRUCTED IN COMPLIANCE WITH ALL APPLICABLE STANDARDS AND GUIDELINES OF THE AMERICANS WITH DISABILITIES ACT, PRIOR TO FINAL APPROVAL BY THE TOWNSHIP.
- ALL PROPOSED OR RELOCATED UTILITIES MUST BE INSTALLED UNDERGROUND.
- THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED ON THE DRAWINGS. ALL REQUIRED AGENCY PERMITS HAVE BEEN OBTAINED BY THE OWNER, AND THE DRAWINGS HAVE BEEN REVISED TO INDICATE "ISSUED FOR CONSTRUCTION".

REFERENCE NOTE:
FOR TREE REMOVAL, REFER TO "TREE IDENTIFICATION PLAN, BONNIE BRAE CAMPUS IMPROVEMENTS" BY DAVIES ASSOCIATES, LANDSCAPE ARCHITECTS, LLC.



460 MAIN STREET, P.O. BOX 459
CHESTER, NEW JERSEY 07930
PHONE: 908-879-6646
FAX: 908-879-8591

N.J. STATE BOARD OF P.E. & L.S.
CERTIFICATION OF AUTHORIZATION
No. 24527934500

Craig R. Milla
CRAIG R. MILLA
N.J. PROFESSIONAL ENGINEER
NO. 24381 DATE 2/13/18

Christopher J. Aldrich
CHRISTOPHER J. ALDRICH
N.J. LICENSED LAND SURVEYOR
NO. 34478 DATE 2/13/18

NO.	DATE	REVISION
4	2-13-18	ISSUE FOR CONSTRUCTION
3	11-30-17	PER "PW" PLANNERS
2	10-19-17	PER SCS REVIEW 10-19-17
1	9-25-17	PER PLANNING BOARD REVIEW

PROJECT TITLE:
BONNIE BRAE CAMPUS IMPROVEMENTS
LOT 1 BLOCK 9002
TAX MAP SHEET 90
BERNARDS TOWNSHIP
SOMERSET COUNTY
NEW JERSEY

SHEET TITLE:
**SITE PLAN
DETAIL VIEW - B,
GRADING AND
UTILITIES PLAN**

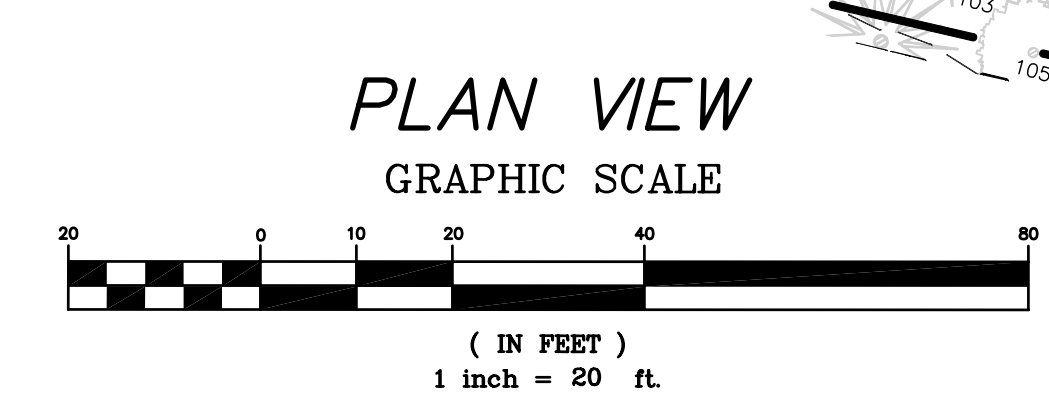
DRAWN BY: D.A.S. DATE: May 1, 2017

CHECKED BY: C.R.V. SCALE: 1" = 20'

W.O. 216082.3
F.B. -

FILE:
COMP FILE: 216000\216082\DWG\
1\ENGR - DATA\216000\216082\DWG\
BONNIE BRAE SITE PLAN- REV 4.DWG

SHEET 5 OF 11



MATCH LINE - SEE SHEET 4

LIMIT OF DISTURBANCE
BIO-RETENTION BASIN, DRAINAGE & ACCESS
EASEMENT AREA TO BERNARDS TOWNSHIP
AND SOMERSET COUNTY.

400' BUILDING SETBACK LINE

BIO-RETENTION BASIN

10' F.WIDE ACCESS FOR MAINTENANCE

20.75'

N.J. PLANE COORDINATE SYSTEM
NAD 1927