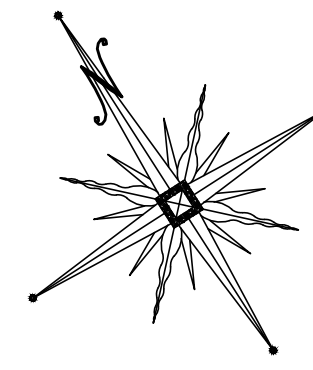




- SURVEY NOTES:**
1. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y.S. EDUCATION LAW.
 2. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
 3. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNER.
 4. UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY, ARE NOT SHOWN HEREON.
 5. CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION, AS UNDERGROUND IMPROVEMENTS EXIST WHICH WERE NOT LOCATED AT THE TIME OF THIS SURVEY.
 6. ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
 7. SUBJECT TO AN UP TO DATE AND ACCURATE TITLE REPORT.
 8. SUBJECT TO ANY EASEMENTS OR AGREEMENTS, IF ANY.
 9. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
 10. SUBJECT TO ANY RIGHTS, TITLE, EASEMENTS, OR INTEREST BY UTILITY COMPANIES TO UTILITIES RUNNING IN AND/OR ALONG SAID PARCELS.
 11. TOPOGRAPHY AND SOME EXISTING FEATURES BASED ON MAPPING PROVIDED BY RECORD APPLICANT.
 12. REFER TO

LEGEND

- EXISTING WELL
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING TREELINE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN

RECORD OWNER/APPLICANT
B D R GROUP, LLC
P.O. BOX 259
GARNERVILLE, NY 10923

RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL

DATE	DESCRIPTION	INITIALS
2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP

MAP CHECK DATE: 00/00/00 INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-0606

2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU P.E.
LICENSE NO. 060823

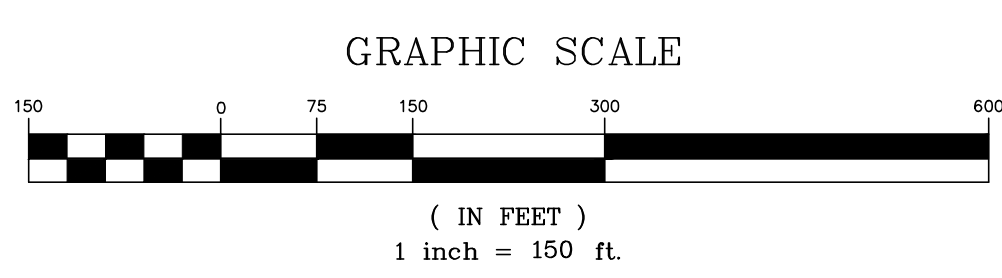
MICHAEL F. CROGAN P.L.S.
LICENSE NO. 050875

BARODA CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

EXISTING CONDITIONS
SECTION 12, BLOCK 1, LOT 31
(NOT FOR OCHD REVIEW OR APPROVAL)

O.C.H.D. SHEET NO.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF 7	N/A OF N/A	2 OF 17
SCALE	CAD REFERENCE	PROJECT NUMBER
1"=150'	WORKING R1	14118.01



MATCH LINE 1
MATCH LINE 1

MATCH LINE 1
MATCH LINE 1

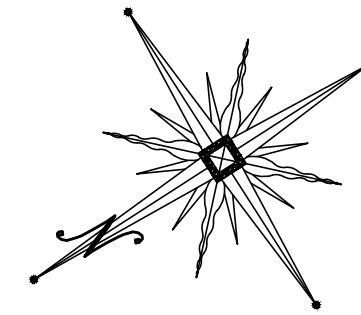
RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL

N/F
DUGGAN
SECTION 12 BLOCK 1 LOT 66

RESERVED FOR HEALTH DEPARTMENT APPROVAL

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING O.C.H.D. SHEET NO. 2 OF 7.

N/F
ANDRICKI
SECTION 12 BLOCK 1 LOT 69



SURVEY NOTES:

1. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y.S. EDUCATION LAW.
2. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
3. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNER.
4. UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY, ARE NOT SHOWN HEREON.
5. CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION, AS UNDERGROUND IMPROVEMENTS EXIST WHICH WERE NOT LOCATED AT THE TIME OF THIS SURVEY.
6. ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
7. SUBJECT TO AN UP TO DATE AND ACCURATE TITLE REPORT.
8. SUBJECT TO ANY EASEMENTS OR AGREEMENTS, IF ANY.
9. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
10. SUBJECT TO ANY RIGHTS, TITLE, EASEMENTS, OR INTEREST BY UTILITY COMPANIES TO UTILITIES RUNNING IN AND/OR ALONG SAID PARCELS.
11. TOPOGRAPHY AND SOME EXISTING FEATURES BASED ON MAPPING PROVIDED BY RECORD APPLICANT.
12. REFER TO

RECORD OWNER/APPLICANT

B D R GROUP, LLC
P.O. BOX 259
GARNERVILLE, NY 10923

N/F
CALZADA
SECTION 12 BLOCK 1 LOT 70

N/F
HARTSEL
SECTION 12 BLOCK 1 LOT 71

DATE	DESCRIPTION	INITIALS
2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP

DATE	REVISIONS	INITIALS
MAP CHECK DATE:	00/00/00	INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-0806

2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU P.E.
LICENSE NO. 060823

MICHAEL F. CROGAN P.E.
LICENSE NO. 050075

BARODA CLUSTER
SUBDIVISION

TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

PLAT SHEET (1)
SECTION 12, BLOCK 1, LOT 31

DRAWING TITLE

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y.S. EDUCATION LAW.

O.C.H.D. SHEET NO. 2 OF 7
D.E.C. SHEET NO. N/A OF N/A
DRAWING NUMBER 3 OF 17

SCALE 1"=100'
CAD REFERENCE WORKING R1
PROJECT NUMBER 14118.01

N/F
EIGHTEEN-EIGHT GROUP, LLC
SECTION 6 BLOCK 1 LOT 102

N86°46'54"E
73.17'

S27°33'06"E
107.35'

S33°33'06"E
101.25'

S59°48'06"E
83.52'

S30°40'06"E
66.40'

S51°34'13"E
62.44'

S51°34'13"E
62.44'

S37°05'57"W
239.05'

S37°05'57"W
239.05'

S37°05'57"W
239.05'

S37°05'57"W
239.05'

S37°05'57"W
239.05'

S37°05'57"W
239.05'

S37°05'57"W
239.05'

S37°05'57"W
239.05'

S37°05'57"W
239.05'

**RIGHT-OF-WAY
DEDICATION AREA**

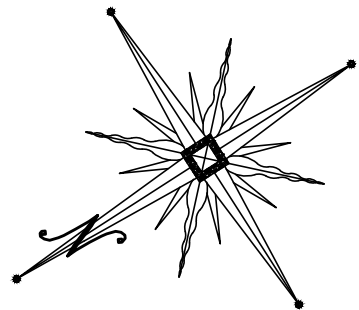
124,217± sq.ft.
2.85± acres

GRAPHIC SCALE

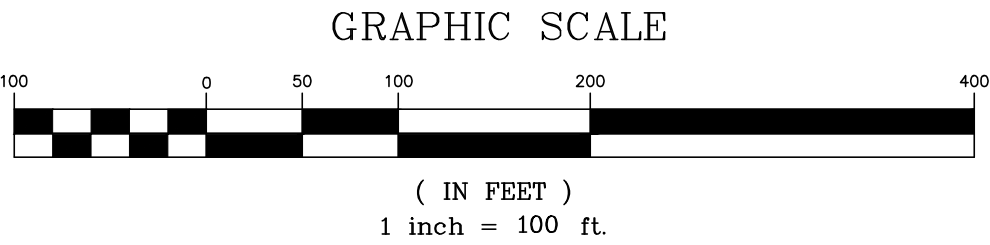


(IN FEET)
1 inch = 100 ft.

BLACK MEADOW ROAD



- SURVEY NOTES:**
1. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y.S. EDUCATION LAW.
 2. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
 3. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNER.
 4. UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY, ARE NOT SHOWN HEREON.
 5. CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION, AS UNDERGROUND IMPROVEMENTS EXIST WHICH WERE NOT LOCATED AT THE TIME OF THIS SURVEY.
 6. ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
 7. SUBJECT TO AN UP TO DATE AND ACCURATE TITLE REPORT.
 8. SUBJECT TO ANY EASEMENTS OR AGREEMENTS, IF ANY.
 9. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
 10. SUBJECT TO ANY RIGHTS, TITLE, EASEMENTS, OR INTEREST BY UTILITY COMPANIES TO UTILITIES RUNNING IN AND/OR ALONG SAID PARCELS.
 11. TOPOGRAPHY AND SOME EXISTING FEATURES BASED ON MAPPING PROVIDED BY RECORD APPLICANT.
 12. REFER TO



RECORD OWNER/APPLICANT
B D R GROUP, LLC
P.O. BOX 259
GARNERVILLE, NY 10923

2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS

REVISIONS		
MAP CHECK DATE:	00/00/00	INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-0606
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

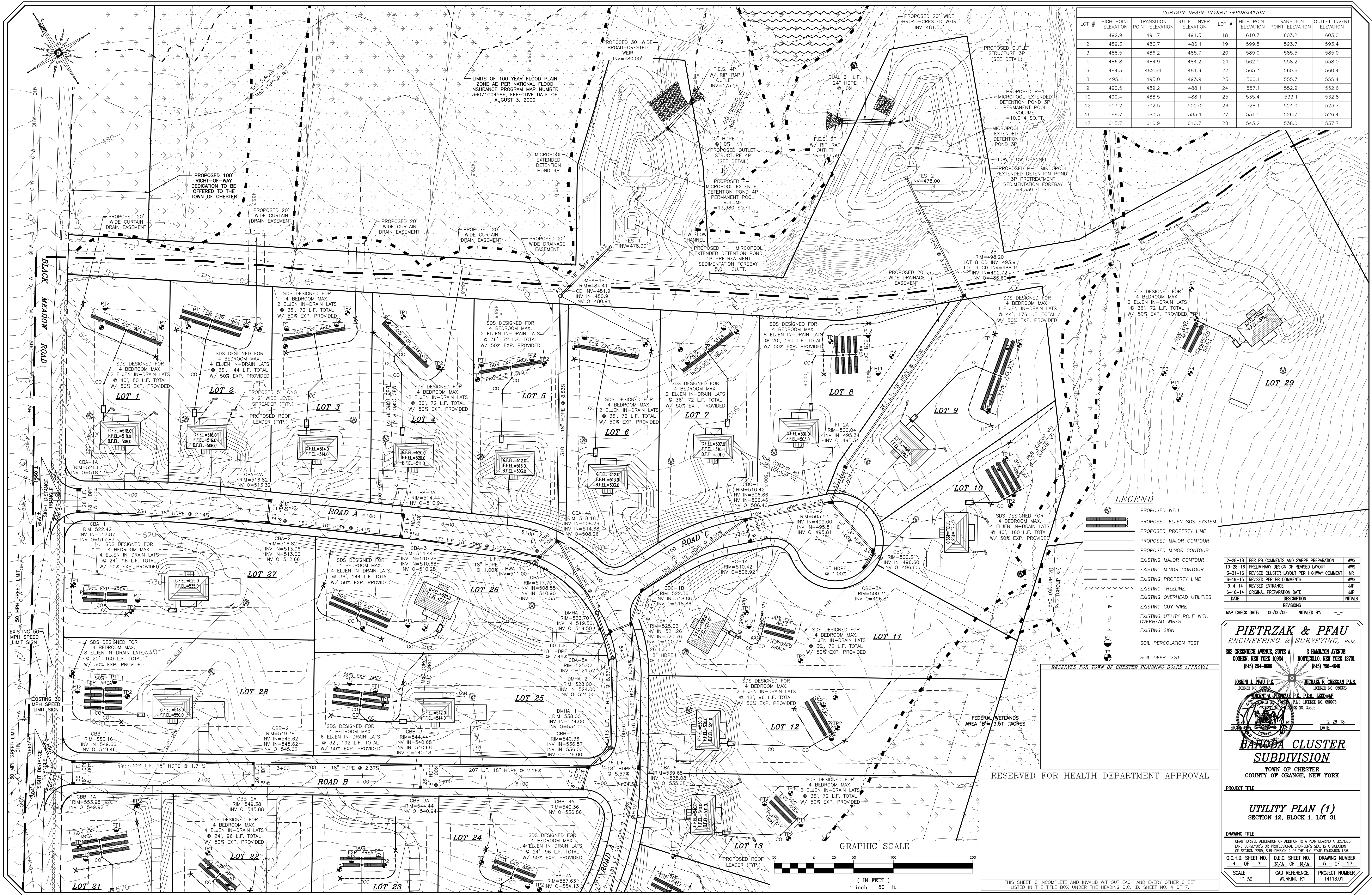
JOSEPH J. PFAU P.E.
LICENSE NO. 060523
MICHAEL F. CROGGAN P.L.S.
LICENSE NO. 050075

BARODA CLUSTER SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PLAT SHEET (2)
SECTION 12, BLOCK 1, LOT 31

DRAWING TITLE		
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.		
O.C.D. SHEET NO. 3 OF 7	D.E.C. SHEET NO. N/A OF N/A	DRAWING NUMBER 4 OF 17
SCALE 1"=100'	CAD REFERENCE WORKING R1	PROJECT NUMBER 14118.01

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING O.C.D. SHEET NO. 3 OF 7.



CURTAIN DRAIN INVERT INFORMATION					
LOT #	HIGH POINT ELEVATION	TRANSITION POINT ELEVATION	OUTLET INVERT ELEVATION	LOT #	HIGH POINT ELEVATION
1	492.9	491.7	491.3	18	610.7
2	489.3	486.7	486.1	19	599.5
3	488.5	486.2	485.7	20	589.0
4	486.8	484.9	484.2	21	562.0
6	484.3	482.64	481.9	22	565.3
8	495.1	495.0	493.9	23	560.1
9	490.5	489.2	488.1	24	557.1
10	490.4	488.5	488.1	25	535.4
12	503.2	502.5	502.0	26	528.1
16	588.7	583.3	583.1	27	531.5
17	615.7	610.9	610.7	28	543.2
					538.0
					537.7

LEGEND

- PROPOSED WELL
- PROPOSED ELIEN SDS SYSTEM
- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING TREELINE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN
- SOIL PERCOLATION TEST
- SOIL DEEP TEST

RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL

RESERVED FOR HEALTH DEPARTMENT APPROVAL

DATE	DESCRIPTION	INITIALS
2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-18	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-18	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP

MAP CHECK DATE: 00/00/00 INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10824
(845) 294-0066

JOSEPH J. PFAU P.E.
LICENSE NO. 060523
MICHAEL F. CROGAN P.E.
LICENSE NO. 060523

BARODA CLUSTER
SUBDIVISION

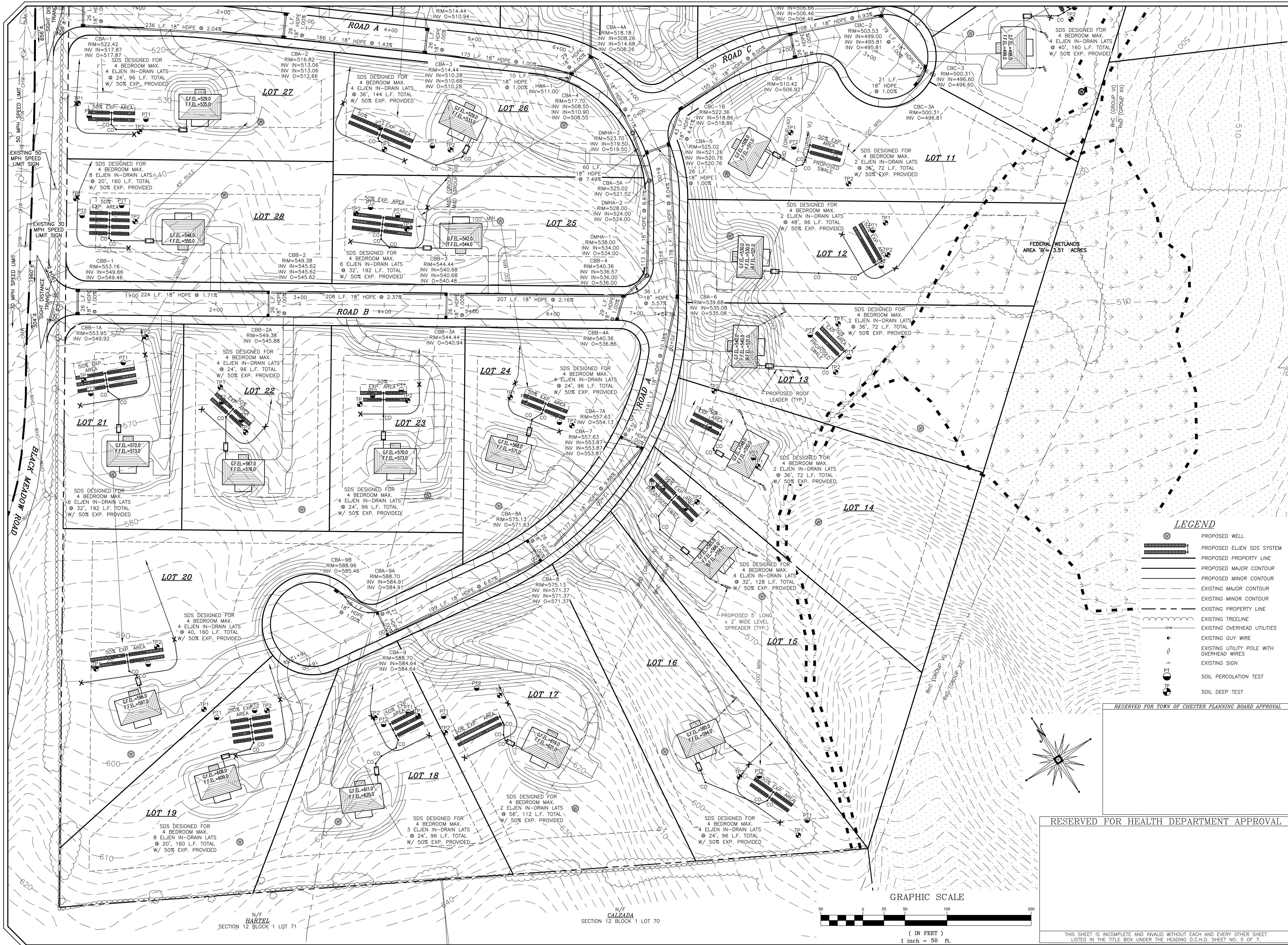
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

UTILITY PLAN (1)
SECTION 12, BLOCK 1, LOT 31

DRAWING TITLE		
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.		
O.C.H.D. SHEET NO. 4 OF 7	D.E.C. SHEET NO. N/A OF N/A	DRAWING NUMBER 5 OF 17
SCALE 1"=50'	CAD REFERENCE WORKING R1	PROJECT NUMBER 14118.01

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING O.C.H.D. SHEET NO. 4 OF 7.



CURTAIN DRAIN INVERT INFORMATION			
LOT #	HIGH POINT ELEVATION	TRANSITION POINT ELEVATION	OUTLET INVERT ELEVATION
1	492.9	491.7	491.3
2	489.3	486.7	486.1
3	488.5	486.2	485.7
4	486.8	484.9	484.2
6	484.3	482.64	481.9
8	495.1	495.0	493.9
9	490.5	489.2	488.1
10	490.4	488.5	488.1
12	503.2	502.5	502.0
16	588.7	583.3	583.1
17	615.7	610.9	610.7
18	610.7	603.2	603.0
19	599.5	593.7	593.4
20	589.0	585.5	585.0
21	562.0	558.2	558.0
22	565.3	560.6	560.4
23	560.1	555.7	555.4
24	557.1	552.9	552.6
25	535.4	533.1	532.8
26	528.1	524.0	523.7
27	531.5	526.7	526.4
28	543.2	538.0	537.7

LEGEND

- PROPOSED WELL
- PROPOSED ELJEN SDS SYSTEM
- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING TREELINE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN
- SOIL PERCOLATION TEST
- SOIL DEEP TEST

RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL

RESERVED FOR HEALTH DEPARTMENT APPROVAL

2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS

MAP CHECK DATE: 00/00/00 INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-0806

2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU, P.E.
LICENSE NO. 060823

MICHAEL P. CROGAN, P.E.
LICENSE NO. 050075

SIGNATURE: [Signature]

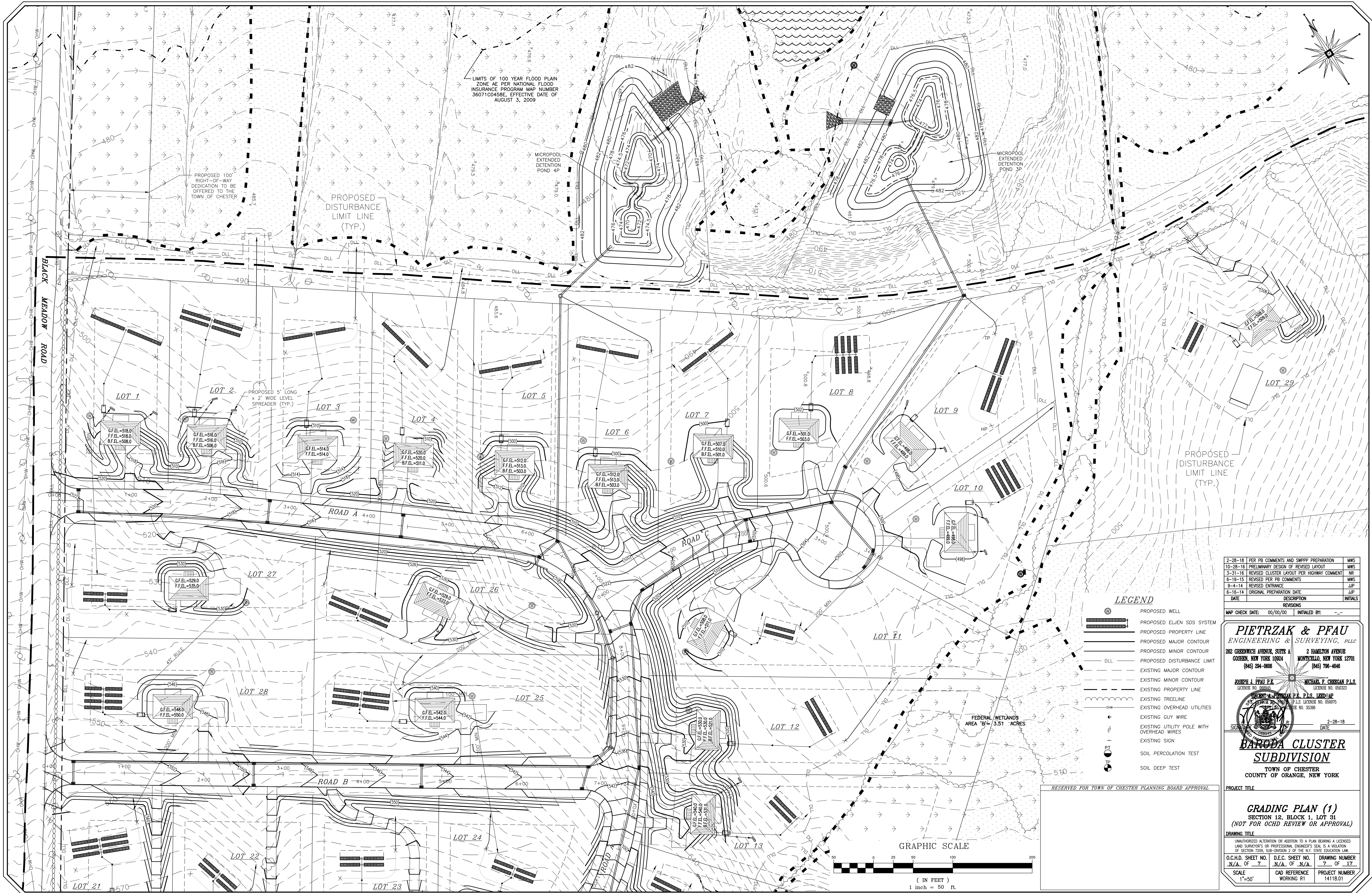
BARODA CLUSTER
SUBDIVISION

TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

UTILITY PLAN (2)
SECTION 12, BLOCK 1, LOT 31

DRAWING TITLE		
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 3 OF THE N.Y. STATE EDUCATION LAW		
O.C.D. SHEET NO. 7	D.E.C. SHEET NO. N/A	DRAWING NUMBER 6 OF 17
SCALE 1"=50'	CAD REFERENCE WORKING R1	PROJECT NUMBER 14118.01



2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS

MAP CHECK DATE: 00/00/00 INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10824
(845) 294-0066

2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU, P.E.
LICENSE NO. 060823

MICHAEL F. CROGAN, P.E.
LICENSE NO. 060823

JOSEPH J. PFAU, P.E.
LICENSE NO. 060823

MICHAEL F. CROGAN, P.E.
LICENSE NO. 060823

BARODA CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

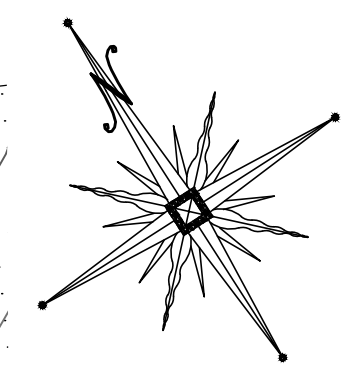
GRADING PLAN (1)
SECTION 12, BLOCK 1, LOT 31
(NOT FOR OCHD REVIEW OR APPROVAL)

DRAWING TITLE

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO. 7 OF 7 D.E.C. SHEET NO. N/A OF N/A DRAWING NUMBER 7 OF 17

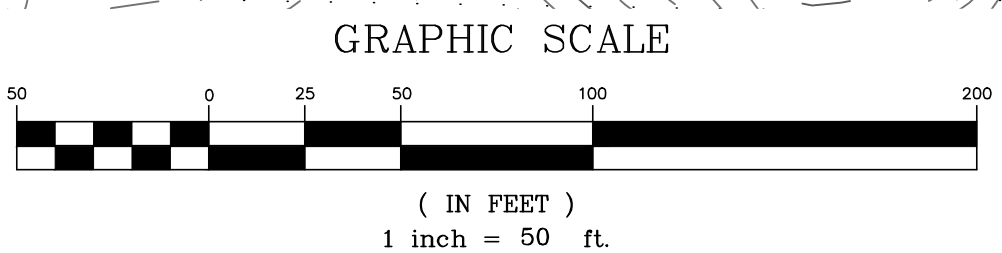
SCALE 1"=50' CAD REFERENCE WORKING R1 PROJECT NUMBER 14118.01



LEGEND

- PROPOSED WELL
- PROPOSED ELIEN SDS SYSTEM
- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED DISTURBANCE LIMIT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING TREELINE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN
- SOIL PERCOLATION TEST
- SOIL DEEP TEST

RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL



2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS

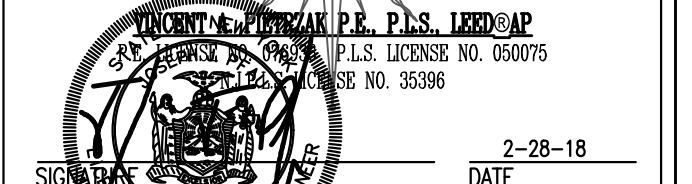
MAP CHECK DATE: 00/00/00 INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A GOSHEN, NEW YORK 10924
(845) 294-0806

2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU P.E.
LICENSE NO. 060823

MICHAEL F. CROGAN P.E.
LICENSE NO. 060823

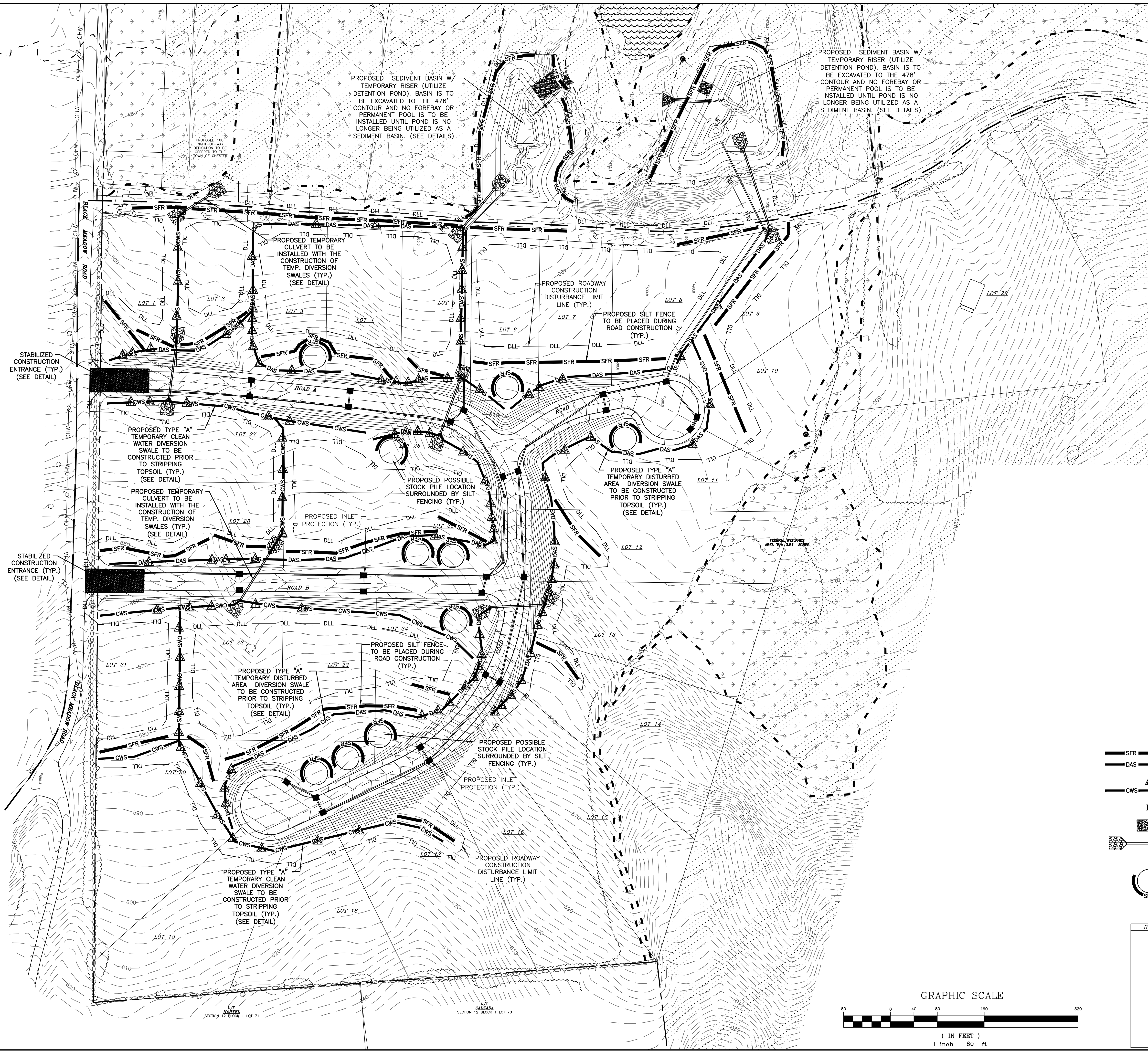


BARODA CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

GRADING PLAN (2)
SECTION 12, BLOCK 1, LOT 31
(NOT FOR OCHD REVIEW OR APPROVAL)

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW		
O.C.H.D. SHEET NO. N/A OF 7	D.E.C. SHEET NO. N/A OF N/A	DRAWING NUMBER 8 OF 17
SCALE 1"=50'	CAD REFERENCE WORKING R1	PROJECT NUMBER 14118.01



STABILIZED
CONSTRUCTION
ENTRANCE (TYP.)
(SEE DETAIL)

STABILIZED
CONSTRUCTION
ENTRANCE (TYP.)
(SEE DETAIL)

PROPOSED TYPE "A"
TEMPORARY CLEAN
WATER DIVERSION
SWALE TO BE
CONSTRUCTED PRIOR
TO STRIPPING
TOPSOIL (TYP.)
(SEE DETAIL)

PROPOSED TEMPORARY
CULVERT TO BE
INSTALLED WITH THE
CONSTRUCTION OF
TEMP. DIVERSION
SWALES (TYP.)
(SEE DETAIL)

PROPOSED TYPE "A"
TEMPORARY DISTURBED
AREA DIVERSION SWALE
TO BE CONSTRUCTED
PRIOR TO STRIPPING
TOPSOIL (TYP.)
(SEE DETAIL)

PROPOSED TYPE "A"
TEMPORARY CLEAN
WATER DIVERSION
SWALE TO BE
CONSTRUCTED PRIOR
TO STRIPPING
TOPSOIL (TYP.)
(SEE DETAIL)

PROPOSED SEDIMENT BASIN W/
TEMPORARY RISER (UTILIZE
DETENTION POND). BASIN IS TO
BE EXCAVATED TO THE 476'
CONTOUR AND NO FOREBAY OR
PERMANENT POOL IS TO BE
INSTALLED UNTIL POND IS NO
LONGER BEING UTILIZED AS A
SEDIMENT BASIN. (SEE DETAILS)

PROPOSED TEMPORARY
CULVERT TO BE
INSTALLED WITH THE
CONSTRUCTION OF
TEMP. DIVERSION
SWALES (TYP.)
(SEE DETAIL)

PROPOSED POSSIBLE
STOCK PILE LOCATION
SURROUNDED BY SILT
FENCING (TYP.)

PROPOSED POSSIBLE
STOCK PILE LOCATION
SURROUNDED BY SILT
FENCING (TYP.)

PROPOSED INLET
PROTECTION (TYP.)

PROPOSED ROADWAY
CONSTRUCTION
DISTURBANCE LIMIT
LINE (TYP.)

PROPOSED ROADWAY
CONSTRUCTION
DISTURBANCE LIMIT
LINE (TYP.)

PROPOSED SILT FENCE
TO BE PLACED DURING
ROAD CONSTRUCTION
(TYP.)

PROPOSED TYPE "A"
TEMPORARY DISTURBED
AREA DIVERSION SWALE
TO BE CONSTRUCTED
PRIOR TO STRIPPING
TOPSOIL (TYP.)
(SEE DETAIL)

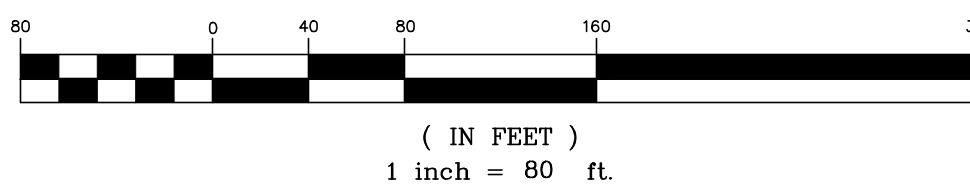
PROPOSED SEDIMENT BASIN W/
TEMPORARY RISER (UTILIZE
DETENTION POND). BASIN IS TO
BE EXCAVATED TO THE 476'
CONTOUR AND NO FOREBAY OR
PERMANENT POOL IS TO BE
INSTALLED UNTIL POND IS NO
LONGER BEING UTILIZED AS A
SEDIMENT BASIN. (SEE DETAILS)

LEGEND

- SFR SFR SFR
- DAS DAS DAS
- CWS CWS CWS
- INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY CULVERT WITH INLET & OUTLET PROTECTION
- PROPOSED DISTURBANCE LIMIT LINE
- PROPOSED SOIL STOCKPILE LOCATION

RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL

GRAPHIC SCALE



2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS

MAP CHECK DATE: 00/00/00 INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10824
(845) 294-0806

JOSEPH J. PFAU P.E.
LICENSE NO. 060523

MICHAEL F. CROGAN P.E.
LICENSE NO. 060523

THOMAS J. CROGAN P.E.
LICENSE NO. 060523

BARODA CLUSTER
SUBDIVISION

TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

EROSION CONTROL PLAN
ROADWAY CONSTRUCTION
SECTION 12, BLOCK 1, LOT 31
(NOT FOR OCHD REVIEW OR APPROVAL)

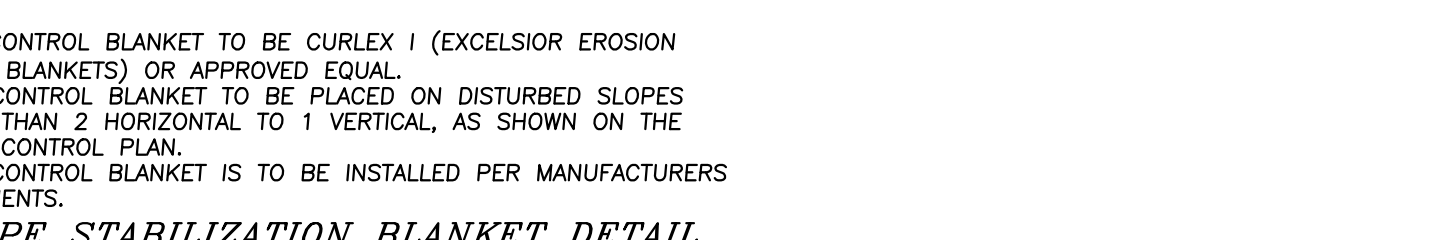
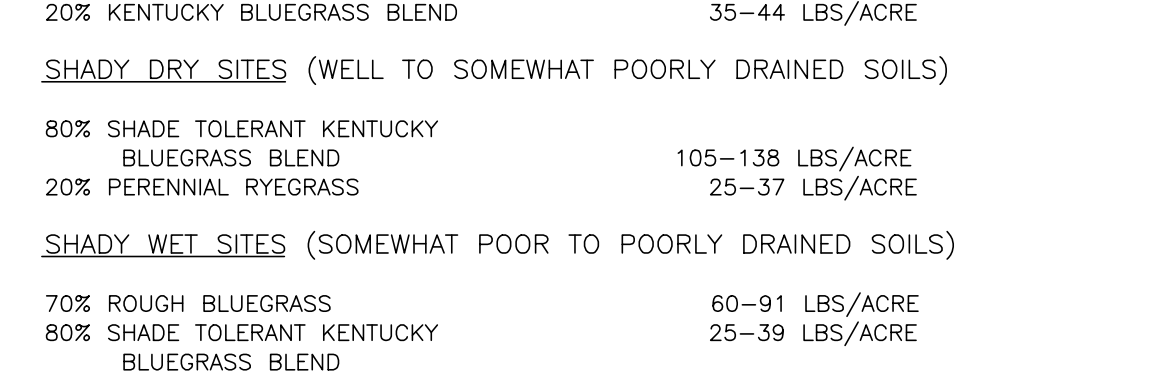
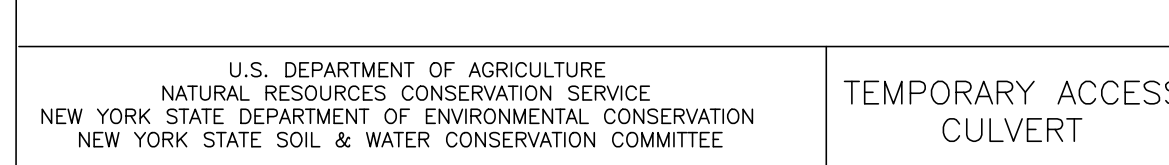
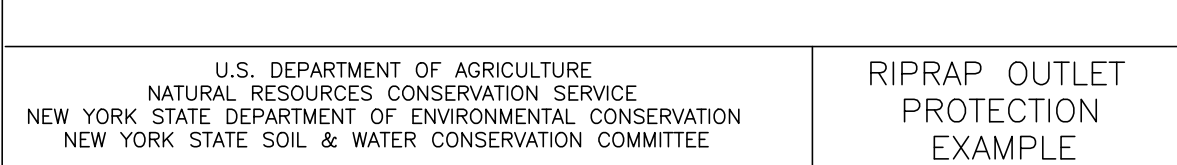
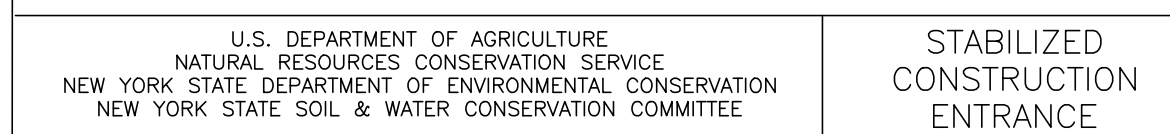
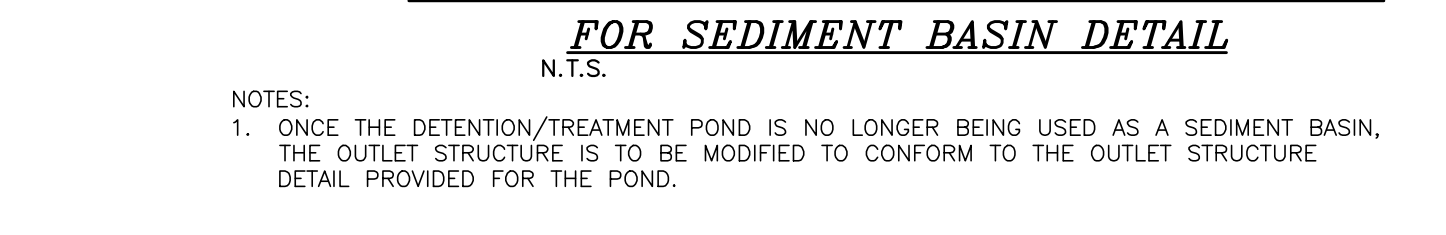
DRAWING TITLE

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED
LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION
OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO. N/A OF 7 D.E.C. SHEET NO. N/A OF N/A DRAWING NUMBER 9 OF 17

SCALE 1"=80' CAD REFERENCE WORKING R1 PROJECT NUMBER 14118.01

DATE 2-28-18



2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-18	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JJP
6-16-14	ORIGINAL PREPARATION DATE	JJP
DATE	DESCRIPTION	INITIALS
REVISIONS		
MAR. CHECK DATE: 00/00/00 INITIALS: - -		

- PLACE TOPSOIL TO A MINIMUM DEPTH OF 4"
- SCARIFY SOIL TO A DEPTH OF 4"-6" IF COMPACTED
- REMOVE ALL STONES OVER 1" IN DIAMETER, STICKS AND FOREIGN MATTER FROM THE SURFACE.
- LIME AS REQUIRED TO ACHIEVE A pH OF 6.5.
- FERTILIZE AT A RATE OF 850 LBS/ACRE OF 5-10-10 OR EQUIVALENT FERTILIZER OR AS RECOMMENDED BY SOIL TESTS.
- INCORPORATE LIME AND FERTILIZER INTO TOP 2"-4" OF TOPSOIL.
- SMOOTH AND FIRM THE SEEDBED.

- FILTER FABRIC IS TO BE MIRAFI 140 AS MANUFACTURED BY THE CELANESE CORPORATION OR APPROVED EQUAL.
- WHEREVER FEASIBLE, NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.
- ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT.
- WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL OF THE ATTACHED DRAWINGS.

- E. IMMEDIATELY AFTER COMPLETION OF ROUGH GRADING, REMAINING TEMPORARY EROSION CONTROL SHALL BE INSTALLED AS SPECIFIED ON THE APPROVED PLANS. THIS INCLUDES ANY REMAINING SILT FENCE AND TYPE OF OVERSEEDING (WITH CHECK DAMS IF APPLICABLE). AREAS NOT REQUIRING FURTHER EARTHWORK SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED AS EARLY AS POSSIBLE.
- F. ANY PROPOSED STORM DRAINAGE SHALL BE INSTALLED AND INCORPORATED INTO EROSION CONTROL AS SPECIFIED ON THE APPROVED PLANS. STORM DRAINAGE COMPONENTS SHALL BE PROTECTED FROM SILTATION AS INDICATED.
- G. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, REMAINING AREAS SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED. PERMANENT VEGETATION AND LANDSCAPING SHALL BE ESTABLISHED.
- H. TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED ONCE UPSTREAM AREAS HAVE BEEN PROTECTED AND STABILIZED. REMOVAL OF TEMPORARY EROSION CONTROL DEVICES SHALL BEGIN WITH THE MOST UPSTREAM PORTIONS OF THE SITE THEN WORKING DOWNSTREAM.
- I. ALL NEWLY SEEDDED VEGETATIVE COVER SHALL BE MAINTAINED, WASHOUTS OR POORLY GROWING AREAS SHALL BE CORRECTED AS THEY OCCUR.

- THE MAINTENANCE OF EROSION CONTROL DEVICES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE JOB SUPERINTENDENT WILL MONITOR THE CONDITION OF ALL EROSION CONTROL DEVICES. CLEAN OR REPLACE STRUCTURES AS CLIMATIC CONDITIONS REQUIRE. THE DEVELOPER WILL ALSO BE SUBJECT TO THE DIRECTION OF THE DESIGN ENGINEER AND TOWN REPRESENTATIVES TO INCLUDE TOWN ENGINEER, HIGHWAY SUPERINTENDENT AND BUILDING INSPECTOR.
- GENERAL CONTRACTOR AND ALL CONTRACTORS SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE APPROVED PLANS AND MAY BE SUBJECT TO ADDITIONAL EROSION CONTROL REQUIREMENTS AND CONDITIONS AS DETERMINED BY THE FIELD OR AS DIRECTED BY THE DESIGN ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROVED PLANS, MANUFACTURER'S RECOMMENDATIONS AS DIRECTED BY THE DESIGN ENGINEER, AND OWNERS' REQUIREMENTS INCLUDING TOWN ENGINEER, HIGHWAY SUPERINTENDENT AND BUILDING INSPECTOR.
- NO EROSION CONTROL STRUCTURES SHALL BE REMOVED UNTIL ALL WORK UPSTREAM THEREOF HAS BEEN COMPLETED. EROSION CONTROL DEVICES SHALL BE MAINTAINED BY THE DESIGN ENGINEER AND TOWN REPRESENTATIVES.
- CONSTRUCTION ACTIVITIES TO BE LIMITED TO THE PERIOD OF 7:00 AM TO 7:00 PM.
- ALL CONSTRUCTION EQUIPMENT SHALL HAVE PROPERLY SIZED MAINTAINED MUFFLERS.
- ALL CONSTRUCTION EQUIPMENT SHALL BE TURNED OFF WHEN NOT IN USE.

- ALL CONSTRUCTION ACTIVITIES IN OR EXISTING AROUND DRAINAGE SWALES OR WETLANDS ARE TO BE PROVIDED WITH TEMPORARY EROSION CONTROL STRUCTURES AS SHOWN IN DETAIL. LOCATED UPSTREAM AND DOWNSTREAM FROM SUCH ACTIVITY. THESE STRUCTURES ARE TO BE IN PLACE AS SHOWN PRIOR TO THE START OF ANY UP-STREAM CONSTRUCTION ACTIVITY.
- CONSTRUCTION EQUIPMENT SHALL NOT UNNECESSARILY CROSS LIVE STREAMS OR DRAINAGE SWALES EXCEPT BY MEANS OF BRIDGES AND CULVERTS OR OTHER APPROVED METHODS.
- ALL EMBANKMENTS TO BE GRADED AND SEEDED IMMEDIATELY UPON BEING LAID BACK.
- STABILIZATION OF THE SWALES WILL INCLUDE SEEDING AND STRAW MULCH ON SLOPES LESS THAN 5% AND JUTE NETTING OR EQUAL ON SLOPES EXCEEDING 5%.
- TOPSOIL AND/OR EARTH STOCKPILE SHALL BE LOCATED OUTSIDE OF EXISTING DRAINAGE SWALES, WETLANDS AND ADJACENT AREAS. BUT FENCING WILL BE REQUIRED ALONG THE TOE OF THE PILES AND THESE PILES SHALL RECEIVE TEMPORARY SEEDING.

SLOPES OF 4:1 OR GREATER (HORIZONTAL-VERTICAL)
-AREAS SHALL BE HYDROSEEDING WITH THE MIXTURES AND RATES
-INDICATED IN THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW
OR HAY MULCH SHALL BE APPLIED AT A RATE OF 500 LBS/ACRE.
-STRAW OR HAY MULCH SHALL BE ANCHORED WITH BioD-Mesh60 NETTING
AS MANUFACTURED BY Rolanka International or APPROVED EQUIVALENT
NETTING TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

GENTLE SLOPES AND FLAT AREAS
-AREAS SHALL BE SEEDING BY HYDROSEEDING OR BROADCASTING WITH
THE MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING
MIXTURE SCHEDULE. HYDROSEEDING AREAS SHALL BE MULCHED
WITH A WOOD FIBER MULCH APPLIED AT A RATE OF 500 LBS/ACRE.
-BROADCAST AREAS SHALL MULCHED WITH HAY OR STRAW AT A RATE OF
2000 LBS/ACRE.
-MULCHES APPLIED TO AREAS OF HYDROSEEDING SHALL BE LIGHTLY
RAKED AND PACKED PRIOR TO PLACING MULCH.

PIETRZAK & PFAU ENGINEERING & SURVEYING, PLLC 262 GREENWICH AVENUE, SUITE A GOSHEN, NEW YORK 10924 (845) 294-6066		2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (845) 796-4646	
JOSEPH J. PFAU P.E. LICENSE NO. 050546		MICHAEL P. CERRANO P.L.S. LICENSE NO. 050323	
JOSEPH J. PFAU P.E. P.L.S. 1020-AP LICENSE NO. 050546		MICHAEL P. CERRANO P.L.S. 1020-AP LICENSE NO. 050323	
		DATE: 2-28-18	
<u>BARODA CLUSTER</u> <u>SUBDIVISION</u> TOWN OF CHESTER COUNTY OF ORANGE, NEW YORK			
PROJECT TITLE			
<i>EROSION CONTROL</i> <i>DETAILS</i> SECTION 12, BLOCK 1, LOT 31 (NOT FOR ACHD REVIEW OR APPROVAL)			
DRAWING TITLE			
UNAUTHORIZED ORCHARD OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 2209, SUB-DIVISION 2, OF THE N.Y. STATE EDUCATION LAW			
C.O.C.D. SHEET NO. N.A. / OF	D.E.C. SHEET NO. N.A. / OF	DRAWING NUMBER 11 OF 17	
SCALE AS SHOWN	CAD REFERENCE WORKING R/L	PROJECT NUMBER 14118.01	



STREET TREE AND SCREENING PLANTS LIST					
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
	10	ACER RUBRUM	RED MAPLE	3" TO 3-1/2" C	B & B
	10	ACER SACCHARUM	SUGAR MAPLE	3" TO 3-1/2" C	B & B
	9	QUERUS PALUSTRIS	PIN OAK	2 1/2 TO 3" CAL.	B & B
	10	QUERCUS RUBRA	NORTHERN RED OAK	3" TO 3-1/2" C	B & B

SHADE & SCREENING TREE PLANTING SPECIFICATIONS

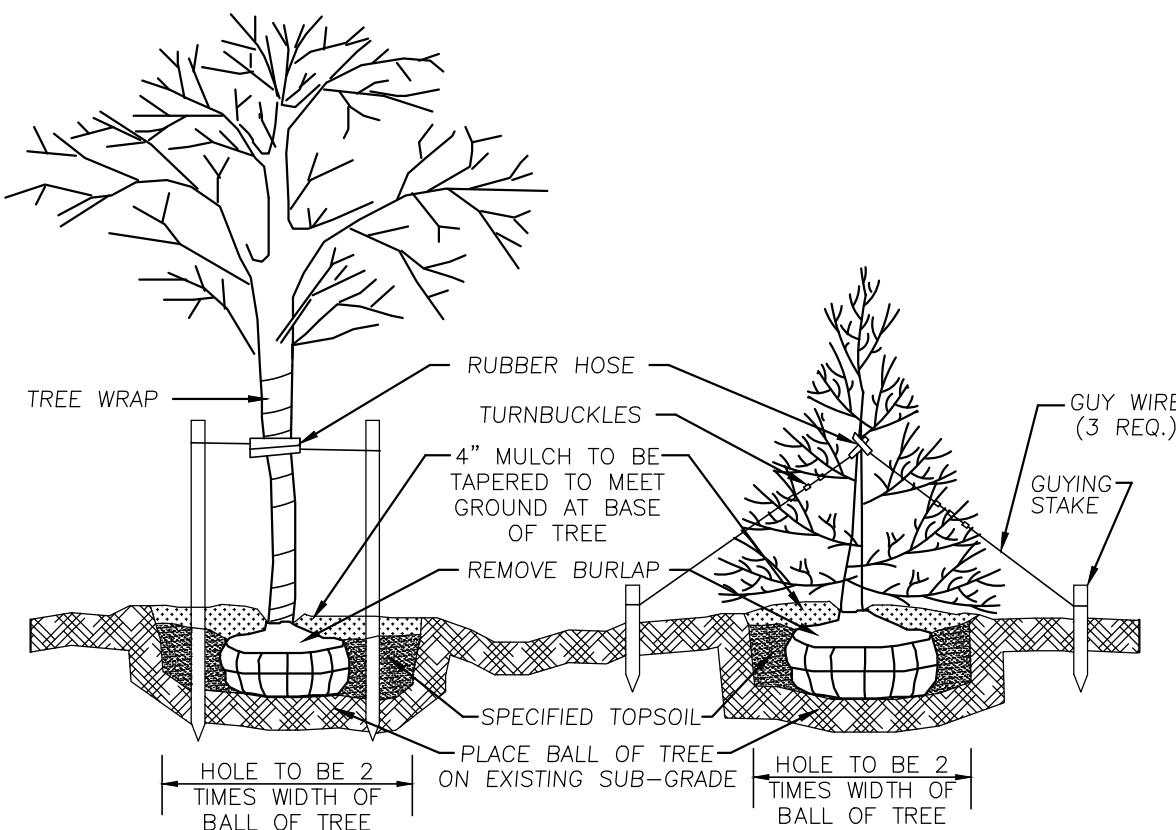
- TREES SHALL BE BALLED AND BURLAPPED, HARDY AND SUITABLE TO LOCAL SOIL AND CLIMATE, AND SHALL NOT BE LESS THAN TWO AND A HALF INCHES CALIPER MEASURED SIX INCHES ABOVE THE TOP OF THE BALL NOR LESS THAN 10 FEET HIGH. THEY MUST BE WELL-BRANCHED, THE BRANCHES TO START NOT LESS THAN SIX FEET FROM THE CROWN OF THE ROOT SYSTEM. TREES SHOULD BE NURSERY GROWN, AND A NURSERY INSPECTION CERTIFICATE SHOULD BE AVAILABLE COVERING ALL TREES. ALL TREES MUST MEET THE STANDARDS OF THE AMERICAN STANDARD FOR NURSERY STOCK.
- SHADE TREES SHALL BE PLANTED ONE FOOT TO FIVE FEET OUTSIDE OF THE RIGHT-OF-WAY LINE, AND APPROXIMATELY 40 FEET APART. TREES SHOULD BE STAGGERED WHEN PLANTED ON OPPOSITE SIDES OF THE SAME STREET.
- IN GENERAL, EXCAVATIONS FOR PLANTING SHALL BE LARGE ENOUGH TO ACCOMMODATE THE NATURAL SPREAD OF THE ROOT SYSTEM AND AT LEAST TWO TIMES THE WIDTH OF THE BALL OF EARTH SUPPLIED WITH THE TREE. THE PIT SHALL BE ROCK FREE AND REFILLED WITH SEVEN PARTS TOPSOIL AND ONE PART HUMUS AND THE PARENT SOIL DISCARDED. HARDPAN SHALL BE LOOSEEN AN ADDITIONAL TWELVE INCHES FROM THE BOTTOM AND SIDE OF PIT. TREES SHALL BE ADEQUATELY FERTILIZED AND WATERED AT THE TIME OF PLANTING AND MULCHED WITH THREE INCHES OF APPROVED MULCH IMMEDIATELY AFTER PLANTING.
- TREES SHALL BE STAKED AND GUYED IMMEDIATELY AFTER PLANTING. STAKES SHALL BE OF CEDAR OR OAK, EIGHT FEET LONG, NO LESS THAN TWO INCHES IN DIAMETER AND DRIVEN INTO THE TREES ROOT SYSTEM. TREES SHOULD BE GUYED TO THE STAKE USING NO. 10 WIRE COVERED WITH RUBBER HOSE OR EQUAL. THE WIRE SHALL BE STAPLED TO THE STAKE IN SUCH A MANNER THAT IT WILL NOT SLIP OR COME INTO CONTACT WITH THE TREE TRUNK. THE TRUNK OF THE TREE MAY BE PROTECTED WITH TREE WRAPPING PAPER.
- REMOVAL OF DEBRIS IS REQUIRED. THE PROPERTY MUST BE LEFT IN A NEAT AND ORDERLY CONDITION IN ACCORDANCE WITH GOOD AND ACCEPTED PLANTING AND TREE SURGERY PRACTICES.
- ALL TREE VARIETIES, PLACEMENT, CONDITION AND QUALITY ARE SUBJECT TO THE APPROVAL OF THE TOWN PLANNING BOARD PRIOR TO AND AFTER PLANTING. POPLARS, BOX ELDERS, CATALPAS, HORSE CHESTNUTS, WILLOWS AND ELMS SHALL NOT BE PLANTED.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO PLANTING. CONTRACTOR SHALL FIELD ADJUST LOCATION OF SHADE TREES, AS NECESSARY, TO AVOID DAMAGE TO ALL EXISTING UNDERGROUND UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ALL FIELD ADJUSTMENTS MUST MEET THE REGULATIONS SET FORTH IN THE TOWN OF CHESTER SUBDIVISION REGULATIONS, SECTION 83-20B.
- EXISTING VEGETATION AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE TOPSOILED AND SEEDED UPON COMPLETION OF WORK. (SEE PERMANENT SEEDING MIXTURE TABLE ON SHEET 6 OF 9.)
- ALL PLANT MATERIAL ON THIS SHEET AND ALL SHEETS ASSOCIATED WITH THIS DRAWING SET MUST MEET THE STANDARDS SET FORTH IN THE LATEST EDITION OF THE AMERICAN NURSERYMAN'S STANDARDS FOR NURSERY STOCK.
- STREET TREES ARE SHOWN ON THE PLAN. IF EXISTING TREES REMAIN WITHIN 20' OF THE PUBLIC OR PRIVATE ROAD, AND NO GRADING OCCURRED UNDER THE DRIP LINE OF THE CANOPY OF THE TREE, IT MAY BE COUNTED AS A STREET TREE AND A NEWLY PLANTED TREE MAY NOT BE NECESSARY. THE DETERMINATION FOR THE NEED FOR STREET TREES AFTER THE ROAD IS INSTALLED, SHALL BE THE DISCRETION OF THE TOWN OF CHESTER BUILDING DEPARTMENT OR THEIR CONSULTANT.

LANDSCAPE WARRANTY NOTE:

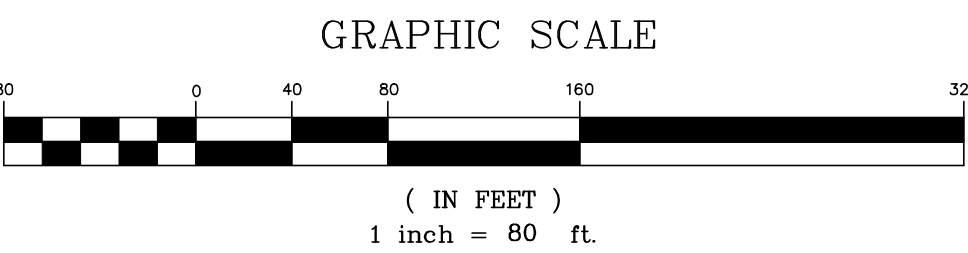
- ALL PLANTS SHALL BE WARRANTED FOR A PERIOD OF TWO YEARS. REPLACE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE MISSING, MORE THAN 25% DEAD, DO NOT DEVELOP FROM PLANTING STOCK, APPEAR UNHEALTHY OR UNSIGHTLY AND/OR HAVE LOST THEIR NATURAL SHAPE DUE TO DEAD BRANCHES. ANY TREE THAT LOSES THE MAIN LEADER SHALL BE REPLACED.
- PLANT MATERIAL SHALL BE INSPECTED BY A REPRESENTATIVE (OR LANDSCAPE ARCHITECTURAL CONSULTANT) FROM THE TOWN OF CHESTER UPON COMPLETION OF WORK AND DURING EVERY GROWING SEASON FOR TWO YEARS. PLANTS THAT NEED REPLACEMENT SHALL BE NOTED ON AN INSPECTION REPORT AND MUST BE REPLACED WITHIN TWO MONTHS OF RECEIPT OF THE INSPECTION REPORT OR WITHIN TWO MONTHS FOLLOWING THE NEXT GROWING SEASON.

TEMPORARY MAINTENANCE EASEMENT NOTE:

- IN ORDER FOR THE TREES TO BE MAINTAINED OR REPLACED BY THE DEVELOPER, A TEN FOOT WIDE TEMPORARY MAINTENANCE EASEMENT SHALL RUN PARALLEL TO THE RIGHT-OF-WAY UNTIL RELEASE OF THE MAINTENANCE SECURITY FOR THE TREES.



DECIDUOUS TREES EVERGREEN TREES
PLANTING & GUYING DETAIL
N.T.S.



2-28-18	PER PB COMMENTS AND SHPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS

REVISIONS	
MAP CHECK DATE:	00/00/00
INITIALED BY:	--

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10824
(845) 294-0806

2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU P.E.
LICENSE NO. 060823

MICHAEL F. CROGAN P.L.S.
LICENSE NO. 060823

JOSEPH J. PFAU P.E. P.L.S. 1200 CAP
OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW
LICENSE NO. 050075

MICHAEL F. CROGAN P.L.S. 1200 CAP
OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW
LICENSE NO. 050075

SIGNATURE: [Signature] DATE: 2-28-18

BARODA CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

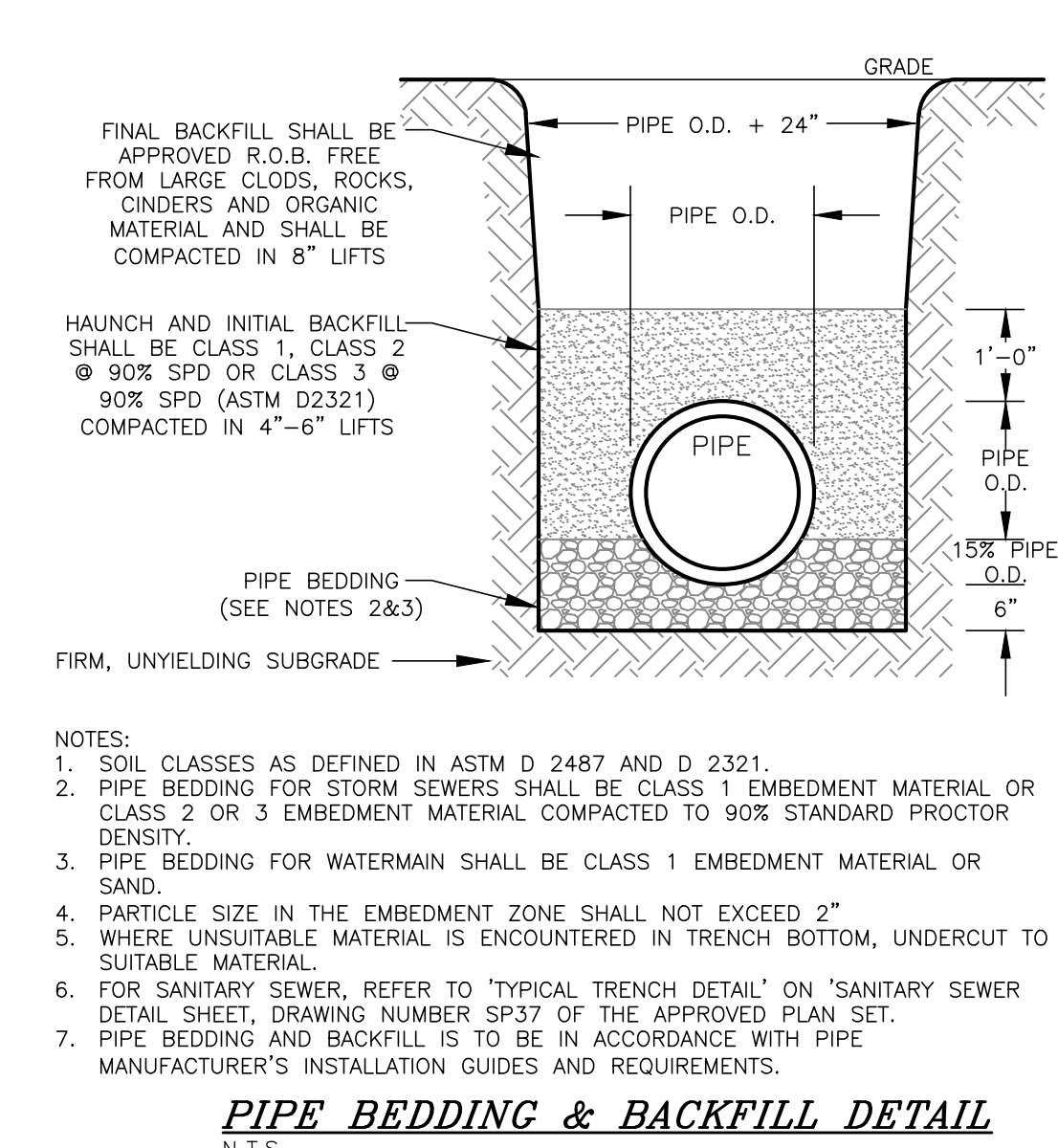
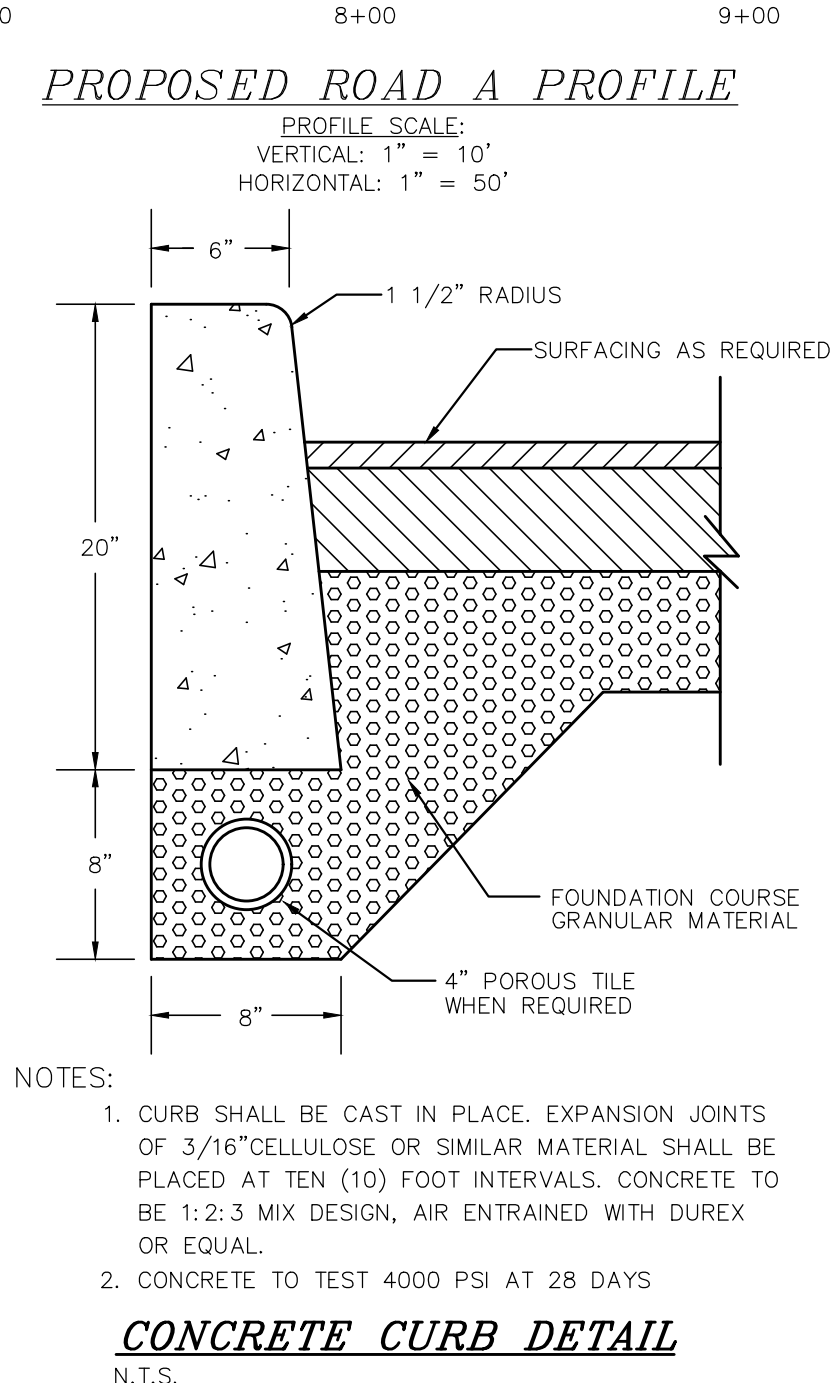
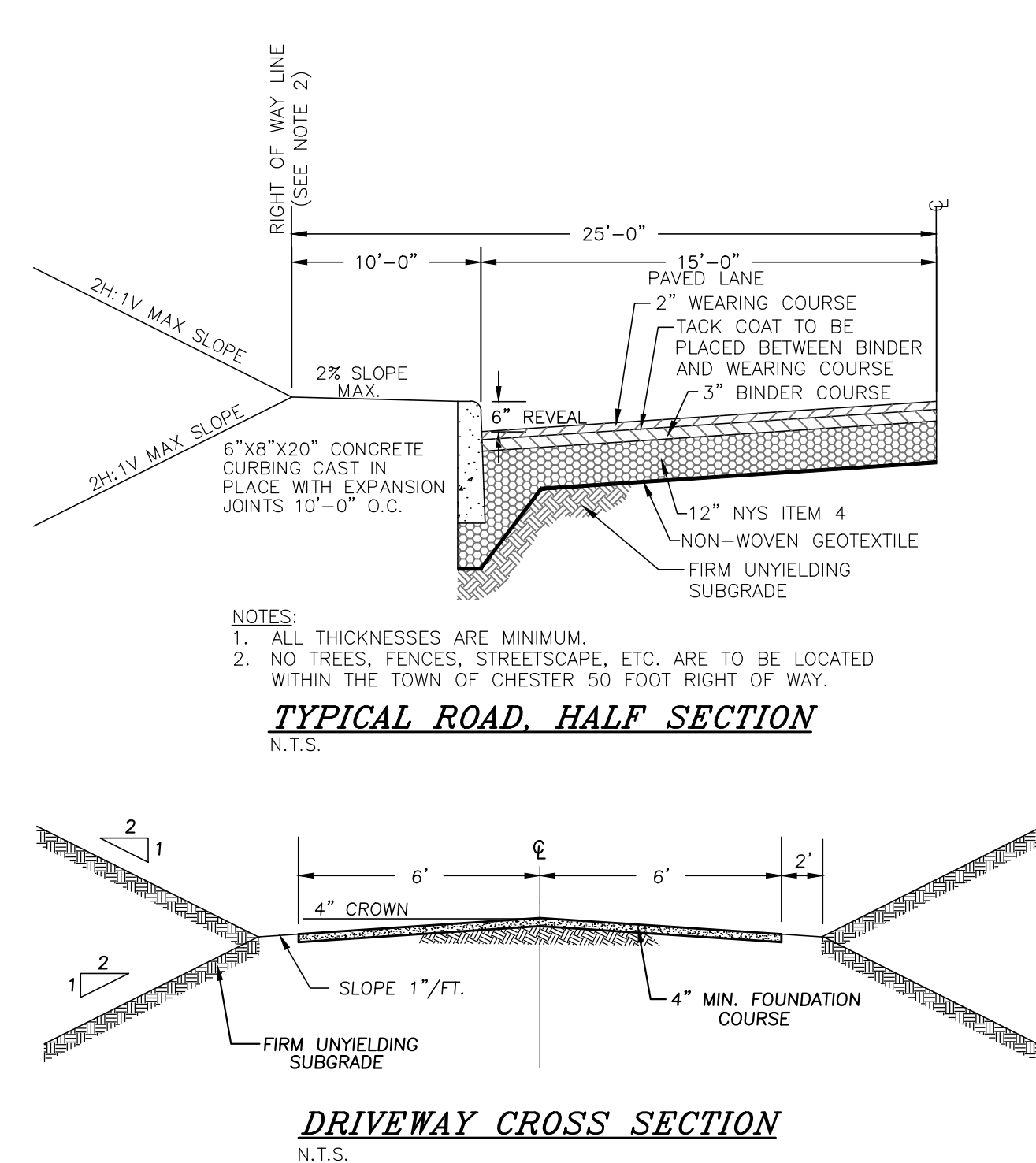
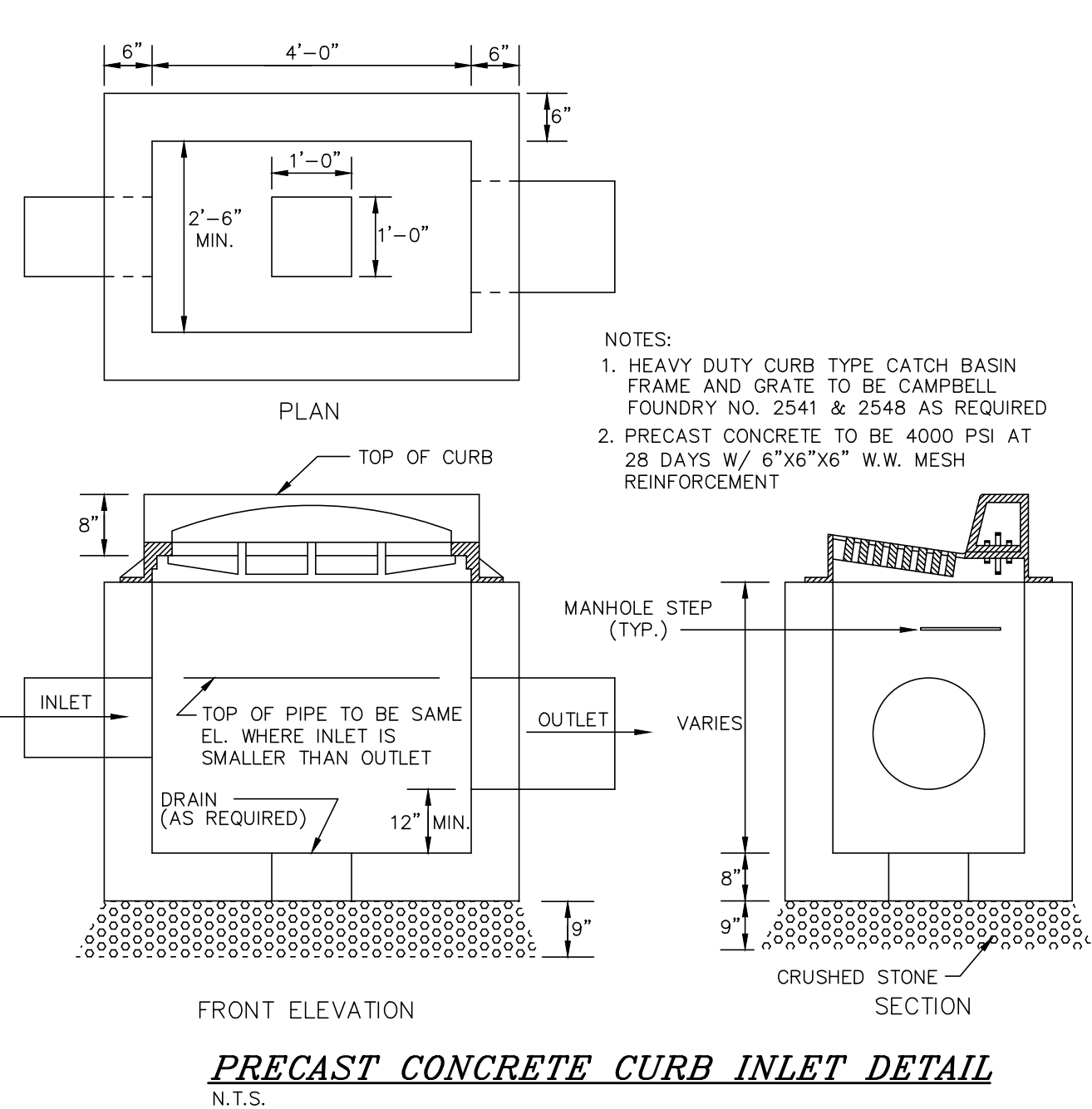
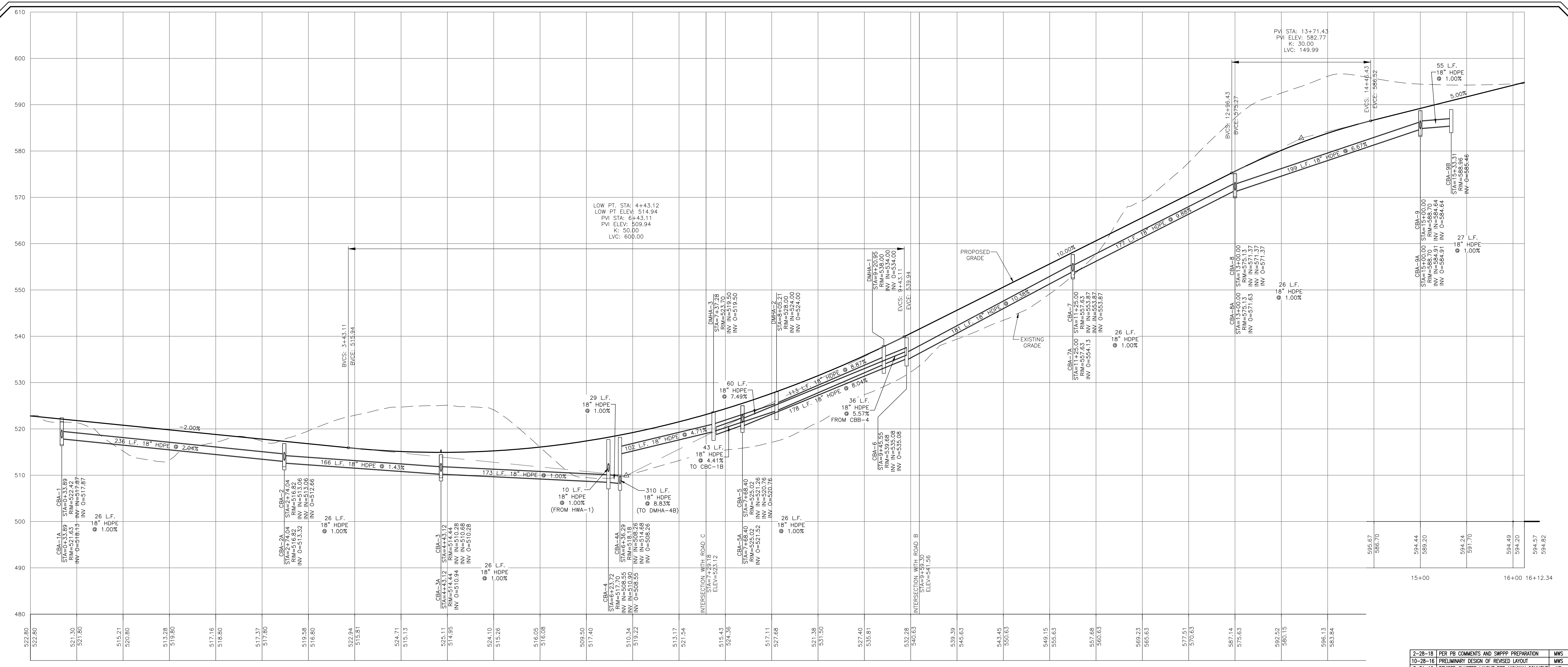
STREET TREE PLAN
SECTION 12, BLOCK 1, LOT 31
(NOT FOR OCHD REVIEW OR APPROVAL)

DRAWING TITLE

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO. 7 OF 7 D.E.C. SHEET NO. N/A OF N/A DRAWING NUMBER 12 OF 17

SCALE 1"=80' CAD REFERENCE WORKING R1 PROJECT NUMBER 14118.01



RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL

2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS
REVISIONS		
MAP CHECK DATE:	00/00/00	INITIALED BY: --

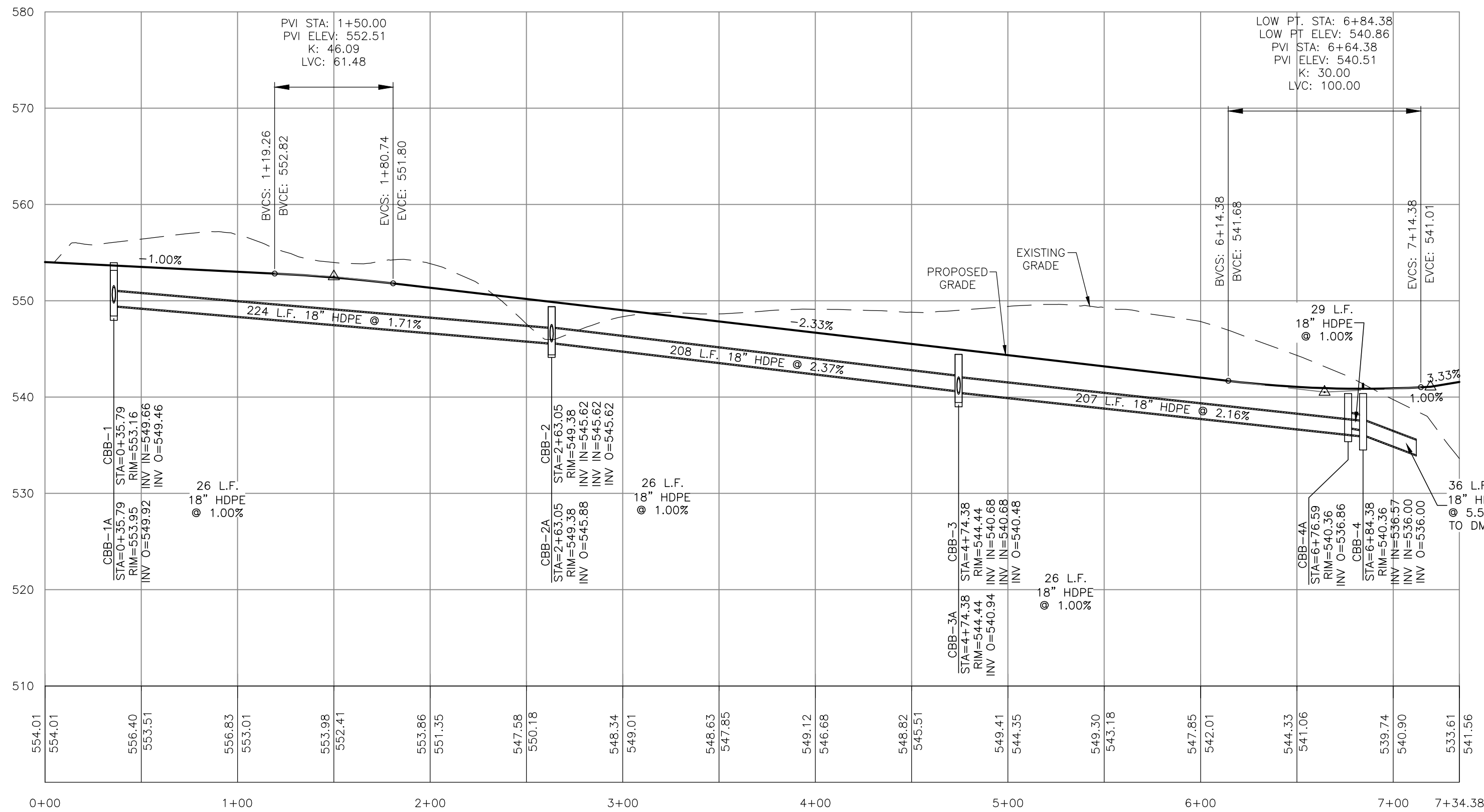
PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A GOSHEN, NEW YORK 10824 (845) 294-0806
2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (845) 796-4646

BARODA CLUSTER SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE
PROFILE SHEET & SITE DETAILS (1)
SECTION 12, BLOCK 1, LOT 31
(NOT FOR OCHD REVIEW OR APPROVAL)
DRAWING TITLE

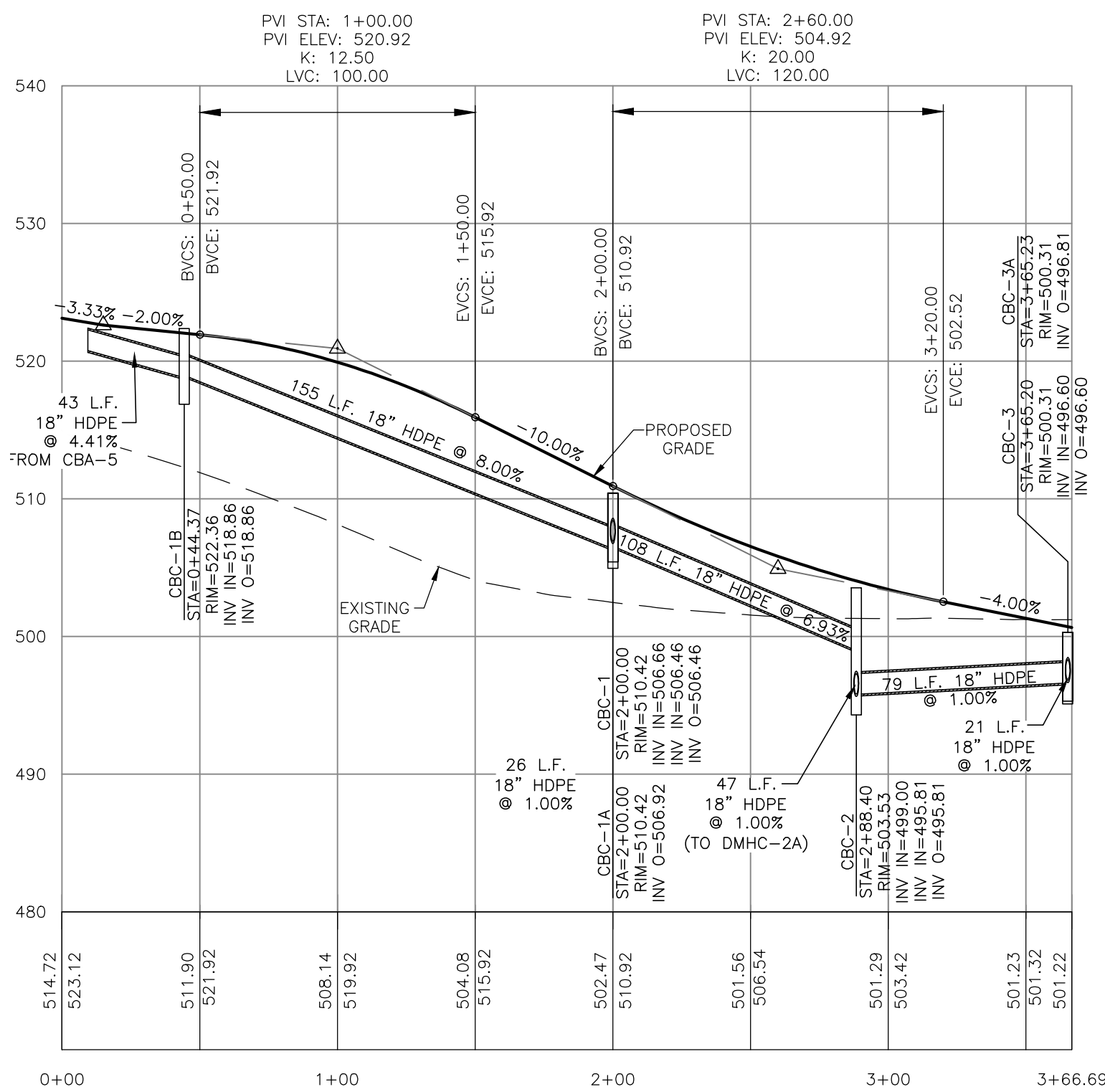
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO. N/A OF 7	D.E.C. SHEET NO. N/A OF N/A	DRAWING NUMBER 13 OF 17
SCALE AS SHOWN	CAD REFERENCE WORKING R1	PROJECT NUMBER 14118.01



PROPOSED ROAD B PROFILE

PROFILE SCALE:
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 50'



PROPOSED ROAD C PROFILE

PROFILE SCALE:
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 50'

2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-18	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-18	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS

REVISIONS		
MAP CHECK DATE:	00/00/00	INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10824
(845) 294-0806
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU, P.E.
LICENSE NO. 060823
MICHAEL F. CROGAN, P.E.
LICENSE NO. 060823

JOSEPH J. PFAU, P.E., P.S., 1200 S.P.
JOSEPH J. PFAU, P.E., P.S., 1200 S.P.
JOSEPH J. PFAU, P.E., P.S., 1200 S.P.

SIGNATURE DATE
2-28-18

BARODA CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

PROFILE SHEET & SITE
DETAILS (2)

SECTION 12, BLOCK 1, LOT 31
(NOT FOR OCHD REVIEW OR APPROVAL)

DRAWING TITLE

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED
LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION
OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW

O.C.H.D. SHEET NO. N/A OF N/A
D.E.C. SHEET NO. N/A OF N/A
DRAWING NUMBER 14 OF 17

SCALE AS SHOWN
CAD REFERENCE WORKING R1
PROJECT NUMBER 14118.01

SOIL TEST RESULTS & SEPTIC SYSTEM DESIGN

LOT #	DEEP TEST PIT #1 RESULTS	DEEP TEST PIT #2 RESULTS	PERC RATE	SEPTIC SYSTEM DESIGN	LOT #	DEEP TEST PIT #1 RESULTS	DEEP TEST PIT #2 RESULTS	PERC RATE	SEPTIC SYSTEM DESIGN
1	0"-10" TOPSOIL 10"-60" LIGHT BROWN SILTY, SANDY LOAM W/ GRAVEL & SOME LARGE ROCKS 60"-84" DARK BROWN SILTY LOAM W/ TRACE CLAY NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-48" LIGHT BROWN SILTY, SANDY LOAM W/ HARD CLAY POCKETS 48"-68" DARK BROWN SILTY LOAM MOTTLING @ 36" NO GROUNDWATER, NO BEDROCK	PT1: 7 MIN. DEPTH: 24" PT2: 5 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 79 L.F. TOTAL DESIGNED: 2 LATERALS @ 40', 80 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	20	0"-8" TOPSOIL 8"-50" LIGHT BROWN HARD PACKED HEAVILY MOTTLLED CLAY LOAM W/ GRAVEL MOTTLING @ 18" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-50" LIGHT BROWN HARD PACKED HEAVILY MOTTLLED CLAY LOAM W/ GRAVEL MOTTLING @ 22" NO GROUNDWATER, NO BEDROCK	PT1: 40 MIN. DEPTH: 12" PT2: 7 MIN. DEPTH: 12"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 158 L.F. TOTAL DESIGNED: 4 LATERALS @ 40', 160 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
2	0"-8" TOPSOIL 8"-60" LIGHT BROWN SILTY, SANDY LOAM W/ GRAVEL & SOME LARGE ROCKS 60"-78" DARK BROWN SILTY LOAM W/ TRACE CLAY MOTTLING @ 60" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-60" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS 60"-80" DARK BROWN SILTY CLAY LOAM MOTTLING @ 36" NO GROUNDWATER, NO BEDROCK	PT1: 2 MIN. DEPTH: 24" PT2: 29 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 132 L.F. TOTAL DESIGNED: 4 LATERALS @ 36', 144 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	21	0"-6" TOPSOIL 6"-32" LIGHT BROWN CLAY LOAM 32"-60" DARK BROWN HEAVILY MOTTLLED SILTY, CLAY LOAM MOTTLING @ 26" NO GROUNDWATER, NO BEDROCK	0"-6" TOPSOIL 6"-52" LIGHT BROWN CLAY LOAM 52"-54" DENSE HARD CLAY LOAM MOTTLING @ 22" NO GROUNDWATER, NO BEDROCK	PT1: 28 MIN. DEPTH: 24" PT2: 47 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 176 L.F. TOTAL DESIGNED: 4 LATERALS @ 32', 192 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
3	0"-12" TOPSOIL 12"-62" LIGHT BROWN SILTY LOAM W/ TRACE CLAY 62"-66" DENSE HARD CLAY LOAM MOTTLING @ 42" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-60" LIGHT BROWN SILTY, SANDY LOAM W/ GRAVEL @60" DENSE HARD CLAY LOAM MOTTLING @ 48" NO GROUNDWATER, NO BEDROCK	PT1: 2 MIN. DEPTH: 24" PT2: 3 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	22	0"-10" TOPSOIL 10"-48" LIGHT BROWN HARD PACKED SILTY LOAM W/ GRAVEL MOTTLING @ 20" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-50" LIGHT BROWN SILTY CLAY LOAM W/ GRAVEL AND SOME LARGE ROCKS MOTTLING @ 24" NO GROUNDWATER, NO BEDROCK	PT1: 9 MIN. DEPTH: 12" PT2: 3 MIN. DEPTH: 12"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 88 L.F. TOTAL DESIGNED: 4 LATERALS @ 24', 96 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
4	0"-10" TOPSOIL 10"-48" LIGHT BROWN SILTY SANDY LOAM W/ GRAVEL & SOME LARGE ROCKS 48"-70" DARK BROWN SILTY CLAY LOAM MOTTLING @ 40" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-48" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS 48"-62" DARK BROWN SILTY CLAY LOAM MOTTLING @ 54" NO GROUNDWATER, NO BEDROCK	PT1: 2 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	23	0"-8" TOPSOIL 8"-30" LIGHT BROWN SILTY LOAM WITH GRAVEL 30"-54" DARK BROWN SILTY CLAY LOAM W/ HARD CLAY POCKETS MOTTLING @ 28" NO GROUNDWATER, NO BEDROCK	0"-10" TOPSOIL 10"-52" LIGHT BROWN SILTY CLAY LOAM W/ SOME MEDIUM SIZED ROCKS AND HARD CLAY POCKETS AT BOTTOM MOTTLING @ 28" NO GROUNDWATER, NO BEDROCK	PT1: 6 MIN. DEPTH: 12" PT2: 8 MIN. DEPTH: 12"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 88 L.F. TOTAL DESIGNED: 4 LATERALS @ 24', 96 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
5	0"-10" TOPSOIL 10"-40" LIGHT BROWN SILTY, SANDY LOAM 40"-74" DARK BROWN SILTY, CLAY LOAM MOTTLING @ 60" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-30" LIGHT BROWN SILTY, SANDY LOAM 30"-72" DARK BROWN SANDY LOAM W/ GRAVEL NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 2 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	24	0"-8" TOPSOIL 8"-58" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS, GRAVEL, & SOME LARGE ROCKS MOTTLING @ 38" NO GROUNDWATER, NO BEDROCK	0"-6" TOPSOIL 6"-72" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS, GRAVEL, & SOME LARGE ROCKS MOTTLING @ 30" NO GROUNDWATER, NO BEDROCK	PT1: 8 MIN. DEPTH: 24" PT2: 8 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 88 L.F. TOTAL DESIGNED: 4 LATERALS @ 24', 96 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
6	0"-8" TOPSOIL 8"-40" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS 40"-52" DENSE HARD CLAY LOAM MOTTLING @ 38" NO GROUNDWATER, NO BEDROCK	0"-10" TOPSOIL 10"-54" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS 54"-72" DARK BROWN SANDY LOAM W/ GRAVEL NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 4 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	25	0"-8" TOPSOIL 8"-52" LIGHT BROWN SILTY CLAY LOAM W/ GRAVEL AND SOME LARGE ROCKS MOTTLING @ 26" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-54" LIGHT BROWN SILTY CLAY LOAM W/ GRAVEL AND HARD CLAY POCKETS AT BOTTOM MOTTLING @ 28" NO GROUNDWATER, NO BEDROCK	PT1: 50 MIN. DEPTH: 24" PT2: 23 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 176 L.F. TOTAL DESIGNED: 6 LATERALS @ 32', 192 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
7	0"-8" TOPSOIL 8"-40" LIGHT BROWN SILTY LOAM W/ TRACE CLAY 44"-74" DARK BROWN FINE SAND NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-44" LIGHT BROWN SILTY LOAM W/ TRACE CLAY 44"-66" DARK BROWN FINE SAND NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 2 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	26	0"-8" TOPSOIL 8"-66" LIGHT BROWN SILTY, CLAY LOAM MOTTLING @ 36" NO GROUNDWATER, NO BEDROCK	0"-10" TOPSOIL 10"-48" LIGHT BROWN SILTY LOAM W/ GRAVEL 48"-70" DARK BROWN SILTY, CLAY LOAM MOTTLING @ 40" NO GROUNDWATER, NO BEDROCK	PT1: 24 MIN. DEPTH: 24" PT2: 20 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 132 L.F. TOTAL DESIGNED: 4 LATERALS @ 36', 144 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
8	0"-6" TOPSOIL 6"-60" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS 60"-74" DARK BROWN FINE SAND MOTTLING @ 20" NO GROUNDWATER, NO BEDROCK	0"-6" TOPSOIL 6"-72" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS MOTTLING @ 26" NO GROUNDWATER, NO BEDROCK	PT1: 31 MIN. DEPTH: 24" PT2: 40 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 158 L.F. TOTAL DESIGNED: 8 LATERALS @ 20', 160 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	27	0"-8" TOPSOIL 8"-48" LIGHT BROWN CLAY LOAM 48"-66" DARK BROWN SILTY LOAM W/ GRAVEL MOTTLING @ 26" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-38" LIGHT BROWN SILTY LOAM 38"-76" DARK BROWN SILTY, SANDY LOAM NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 9 MIN. DEPTH: 24" PT2: 4 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 88 L.F. TOTAL DESIGNED: 4 LATERALS @ 24', 96 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
9	0"-8" TOPSOIL 8"-60" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS MOTTLING @ 26" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-54" LIGHT BROWN SILTY LOAM W/ GRAVEL & HARD CLAY POCKETS 54"-62" CLAY MOTTLING @ 22" NO GROUNDWATER, NO BEDROCK	PT1: 37 MIN. DEPTH: 24" PT2: 3 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 158 L.F. TOTAL DESIGNED: 4 LATERALS @ 44', 176 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	28	0"-8" TOPSOIL 8"-32" LIGHT BROWN CLAY LOAM 32"-52" DARK BROWN HEAVILY MOTTLLED SILTY, CLAY LOAM MOTTLING @ 24" NO GROUNDWATER, NO BEDROCK	0"-6" TOPSOIL 6"-36" LIGHT BROWN CLAY LOAM 36"-60" DARK BROWN HEAVILY MOTTLLED SILTY, CLAY LOAM MOTTLING @ 30" NO GROUNDWATER, NO BEDROCK	PT1: 26 MIN. DEPTH: 24" PT2: 32 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 159 L.F. TOTAL DESIGNED: 6 LATERALS @ 20', 160 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
10	0"-10" TOPSOIL 10"-48" LIGHT BROWN SILTY LOAM 48"-82" DARK BROWN FINE SAND NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-30" LIGHT BROWN HARD PACKED SILTY LOAM 30"-78" DARK BROWN FINE SAND MOTTLING @ 20" NO GROUNDWATER, NO BEDROCK	PT1: 45 MIN. DEPTH: 24" PT2: 35 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 158 L.F. TOTAL DESIGNED: 4 LATERALS @ 40', 160 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS	29	TP1 0"-10" TOPSOIL 10"-36" LIGHT BROWN SILTY, SAND LOAM 36"-56" DARK FINE SAND 56"-64" SANDY GRAVEL (BANK RUN) NO MOTTLING NO GROUNDWATER, NO BEDROCK	TP2 0"-8" TOPSOIL 8"-30" LIGHT BROWN SILTY, SANDY LOAM @ 30" HARD SHALE NO MOTTLING NO GROUNDWATER	PT1: 2 MIN. DEPTH: 24" PT2: 3 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
11	0"-10" TOPSOIL 10"-80" LIGHT BROWN SILTY, SANDY LOAM NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-88" LIGHT BROWN SILTY, SANDY LOAM W/ GRAVEL NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 4 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS		TP3 0"-10" TOPSOIL @ 10" HARD SHALE NO MOTTLING NO GROUNDWATER	TP4 0"-12" TOPSOIL 12"-68" LIGHT BROWN SILTY, SANDY LOAM NO MOTTLING NO GROUNDWATER		
12	0"-12" TOPSOIL 12"-40" LIGHT BROWN HARD PACKED SILTY LOAM W/ GRAVEL 40"-78" DARK BROWN FINE SAND MOTTLING @ 24" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-40" LIGHT BROWN SILTY LOAM W/ GRAVEL 40"-72" LIGHT BROWN SILTY LOAM W/ GRAVEL NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 8 MIN. DEPTH: 24" PT2: 3 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 88 L.F. TOTAL DESIGNED: 2 LATERALS @ 48', 96 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS		TP5 0"-8" TOPSOIL 8"-30" LIGHT BROWN SILTY LOAM 30"-56" DARK BROWN SILTY, CLAY LOAM NO MOTTLING NO GROUNDWATER, NO BEDROCK			
13	0"-8" TOPSOIL 8"-48" LIGHT BROWN SILTY, SANDY LOAM W/ TRACE GRAVEL & SOME LARGE ROCKS 48"-76" DARK BROWN SILTY, SANDY LOAM NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-12" TOPSOIL 12"-60" LIGHT BROWN SANDY, CLAY LOAM W/ GRAVEL & SOME LARGE ROCKS MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 4 MIN. DEPTH: 24" PT2: 5 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS					
14	0"-6" TOPSOIL 6"-66" LIGHT BROWN SILTY, SANDY LOAM W/ GRAVEL & SOME LARGE ROCKS NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-6" TOPSOIL 6"-50" LIGHT BROWN SILTY LOAM W/ HARD CLAY POCKETS @ 50" HIT BOULDER NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 2 MIN. DEPTH: 24" PT2: 4 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 2 LATERALS @ 36', 72 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS					
15	0"-12" TOPSOIL 12"-72" LIGHT BROWN SILTY, SANDY LOAM W/ GRAVEL NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-10" TOPSOIL 10"-62" LIGHT BROWN SILTY, SANDY LOAM W/ GRAVEL AND SOME LARGE ROCKS NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 15 MIN. DEPTH: 24" PT2: 18 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 113 L.F. TOTAL DESIGNED: 4 LATERALS @ 32', 128 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS					
16	0"-8" TOPSOIL 8"-36" LIGHT BROWN SILTY LOAM W/ GRAVEL 36"-64" DARK BROWN CLAY LOAM MOTTLING @ 42" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-40" LIGHT BROWN SILTY, SANDY LOAM W/ GRAVEL & SOME LARGE ROCKS 40"-60" DARK BROWN CLAY LOAM NO MOTTLING NO GROUNDWATER, NO BEDROCK	PT1: 9 MIN. DEPTH: 24" PT2: 8 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 88 L.F. TOTAL DESIGNED: 4 LATERALS @ 24', 96 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS					
17	0"-10" TOPSOIL 10"-62" LIGHT BROWN SILTY LOAM W/ GRAVEL & HARD CLAY POCKETS NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-32" LIGHT BROWN SILTY LOAM W/ GRAVEL 32"-68" DARK BROWN CLAY LOAM MOTTLING @ 34" NO GROUNDWATER, NO BEDROCK	PT1: 15 MIN. DEPTH: 24" PT2: 9 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 99 L.F. TOTAL DESIGNED: 2 LATERALS @ 56', 112 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS					
18	0"-8" TOPSOIL 8"-52" LIGHT BROWN SILTY CLAY LOAM W/ GRAVEL AND SOME LARGE ROCKS NO MOTTLING NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-50" LIGHT BROWN SILTY, CLAY LOAM W/ GRAVEL AND SOME LARGE ROCKS MOTTLING @ 26" NO GROUNDWATER, NO BEDROCK	PT1: 8 MIN. DEPTH: 12" PT2: 9 MIN. DEPTH: 12"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 88 L.F. TOTAL DESIGNED: 3 LATERALS @ 24', 96 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS					
19	0"-6" TOPSOIL 6"-72" LIGHT BROWN HARD PACKED CLAY W/ SOME LARGE ROCKS MOTTLING @ 30" NO GROUNDWATER, NO BEDROCK	0"-8" TOPSOIL 8"-72" LIGHT BROWN HARD PACKED CLAY W/ GRAVEL & SOME LARGE ROCKS MOTTLING @ 28" NO GROUNDWATER, NO BEDROCK	PT1: 42 MIN. DEPTH: 24" PT2: 36 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 158 L.F. TOTAL DESIGNED: 8 LATERALS @ 20', 160 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS					

SOIL TESTING AND SEPTIC SYSTEM DESIGN NOTES:

- PERCOLATION TESTS WERE PERFORMED BY PIETRZAK & PFAU, PLLC ON 6/26/15, 6/30/15, 7/2/15, 7/7/15, 7/11/16, 7/12/16.
- PERCOLATION TESTS WERE PERFORMED AT A DEPTH OF 24" UNLESS NOTED OTHERWISE.
- DEEP TEST PITS WERE PERFORMED BY PIETRZAK & PFAU, PLLC ON 8/14/15, 7/21/16.
- SEPTIC SYSTEM DESIGN BASED ON 110 GALLONS PER BEDROOM PER DAY.
- SEPTIC SYSTEM DESIGN FOR 4 BEDROOM MAXIMUM DWELLING UNLESS NOTED OTHERWISE.
- ALL SEPTIC SYSTEM DESIGNS INCLUDE 35 GALLONS PER DAY OF BACKWASH FOR THE OPTIONAL WATER SOFTENER, MAKING A TOTAL DISCHARGE OF 475 GALLONS PER DAY.
- SURFACE WATER DIVERSION SWALES ARE REQUIRED ON ALL LOTS.
- SEPTIC SYSTEM DESIGNS ARE BASED ON THE SLOWEST PERCOLATION RATE FOUND WITHIN THE AREA OF THE SYSTEM.

ORANGE COUNTY DEPARTMENT OF HEALTH REALTY SUBDIVISION NOTES:

- NO LOT IS TO BE FURTHER SUBDIVIDED WITHOUT ORANGE COUNTY DEPARTMENT OF HEALTH REVIEW AND APPROVAL.
- THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED.
- ALL WELLS AND SEPTIC SYSTEMS WITHIN 300' OF THIS PROJECT HAVE BEEN LOCATED AND ARE SHOWN ON THE PLANS.
- TRENCHES SHALL NOT BE INSTALLED IN WET SOIL. THE SIDES AND BOTTOM OF TRENCHES MUST BE RAKED, IMMEDIATELY PRIOR TO PLACING SAND. THE ENDS OF THE LATERALS MUST BE CAPPED.
- THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION.
- THESE SYSTEMS WERE NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACUZZI TYPE SPA TUBS OVER 100 GALLONS, OR WATER CONDITIONERS (UNLESS SPECIFIED IN THE DESIGN CHART), AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM AND REAPPROVED BY THE ORANGE COUNTY HEALTH DEPARTMENT.
- THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE HOUSE, ALLOWING SEPTIC GASSES TO DISCHARGE THROUGH THE STACK VENT.
- THE PURCHASER OF EACH LOT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES, INCLUDING NYSDOC WELL COMPLETION REPORT. THE PURCHASER SHALL ALSO BE ADVISED OF ANY ROUTINE OR SPECIAL MAINTENANCE PROCEDURES THAT MAY BE NECESSARY (REFER TO CHAPTER 12 OF THE NYSDOH DESIGN HANDBOOK FOR RECOMMENDED ROUTINE OPERATION AND MAINTENANCE ITEMS).
- PUMP STATIONS/DOSING CHAMBERS SHOULD BE INSPECTED PERIODICALLY BY A PROPERLY TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING AND ANY PHYSICAL DAMAGE.
- DISTRIBUTION BOXES/DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
- INDIVIDUAL WELLS AND SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED FOR HOUSEHOLD DOMESTIC PURPOSES WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWER SYSTEM IS REQUIRED WITHIN ONE YEAR OF AVAILABILITY.
- ORANGE COUNTY DEPARTMENT OF HEALTH PLAN APPROVAL IS LIMITED TO 5 YEARS. TIME EXTENSIONS FOR PLAN APPROVAL MAY BE GRANTED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH BASED UPON DEVELOPMENT FACTS AND THE REALTY SUBDIVISION REGULATIONS IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
- THE APPROVED PLANS MUST BE FILED WITH THE ORANGE COUNTY CLERK'S OFFICE PRIOR TO OFFERING LOTS FOR SALE AND WITHIN 90 DAYS OF THE LAST APPROVAL OF FINAL PLANS.
- A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPARTMENT) SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY, ANY WATER TREATMENT, AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCY OF THE DWELLING, THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS. A COPY OF THE NYSDOC WELL COMPLETION REPORT MUST ALSO BE PROVIDED.
- SEPTIC SYSTEMS TO CONFORM TO THE MINIMUM REQUIREMENTS OF THE N.Y.S. HEALTH DEPARTMENT STANDARDS/CODES FOR INDIVIDUAL DISPOSAL SYSTEMS, APPENDIX 75-A, AND THE AUTHORITY HAVING JURISDICTION.
- LAUNDRY WASTE IS TO BE DISCHARGED INTO THE SEPTIC SYSTEM.
- HOUSE SEWER AND SEWER RUNS SHALL NOT EXCEED 75' BETWEEN POINTS OF POSSIBLE CLEANOUT. AT LEAST ONE CLEANOUT IS TO BE PROVIDED. BENDS ARE TO BE AVOIDED BUT WHERE REQUIRED AN ADDITIONAL CLEANOUT SHALL BE INSTALLED.
- THE MAXIMUM LENGTH OF ABSORPTION LINES USED IN CONJUNCTION WITH GRAVITY DISTRIBUTION SHALL BE 60 FEET.
- FOOTING DRAINS ARE NOT TO DISCHARGE INTO THE SEPTIC SYSTEM. FOOTING DRAINS ARE TO RUN TO DAYLIGHT WITH RODENT SCREEN.

GENERAL NOTES - WATER SYSTEMS:

- WELL CONSTRUCTION SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE N.Y.S. HEALTH DEPARTMENT STANDARDS.
- TREATMENT FOR HARDNESS SHOULD BE CONSIDERED ONLY IF EXCESSIVE HARDNESS IS FOUND (GREATER THAN 150 MG/L) IN EACH INDIVIDUAL WELL.
- SEPTIC FIELDS AND WELLS ARE NOT TO BE RELOCATED.
- FOOTING DRAINS WITHIN 25 FEET OF A WELL MUST BE WATER TIGHT.
- WELLS TO BE INSTALLED 100 FEET FROM ANY SEPTIC SYSTEM, AND 200 FEET FROM SEPTIC SYSTEMS WHICH ARE UPHILL FROM THE WELL.
- WELL CASING IS TO BE INSTALLED 10 FEET INTO IMPERVIOUS BEDROCK.
- A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPT.) SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY, ANY WATER TREATMENT, AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCY OF THE DWELLING, THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS. A COPY OF THE NYSDOC WELL COMPLETION REPORT MUST ALSO BE PROVIDED.

2-28-18	PER PB COMMENTS AND SHPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JUP
6-16-14	ORIGINAL PREPARATION DATE	JUP
DATE	DESCRIPTION	INITIALS

MAP CHECK DATE: 00/00/00 INITIALED BY: --

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10824
(845) 294-0066

2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU P.E.
LICENSE NO. 10888

MICHAEL P. CROGAN P.E.
LICENSE NO. 660823

JOSEPH J. PFAU P.E. P.E. 12000-AP
NEW YORK STATE LICENSE NO. 050075

MICHAEL P. CROGAN P.E. P.E. 12000-AP
NEW YORK STATE LICENSE NO. 050075

SIGNATURE DATE

2-28-18

BARODA CLUSTER
SUBDIVISION

TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

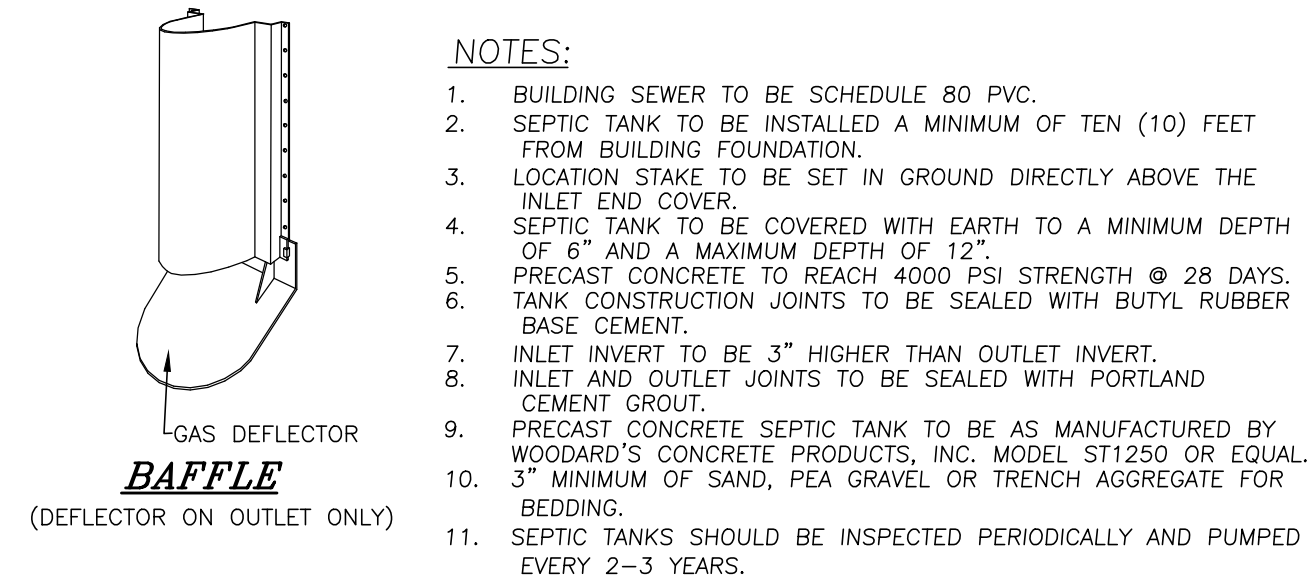
SANITARY & WATER
SUPPLY DETAILS (1)
SECTION 12, BLOCK 1, LOT 31

DRAWING TITLE

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 3 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO.	D.E.C. SHEET NO.	DRAWING NUMBER
6 OF 7	N/A OF N/A	15 OF 17
SCALE AS SHOWN	CAD REFERENCE WORKING R1	PROJECT NUMBER 14118.01

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING O.C.H.D. SHEET NO. 6 OF 7.



1'-6"

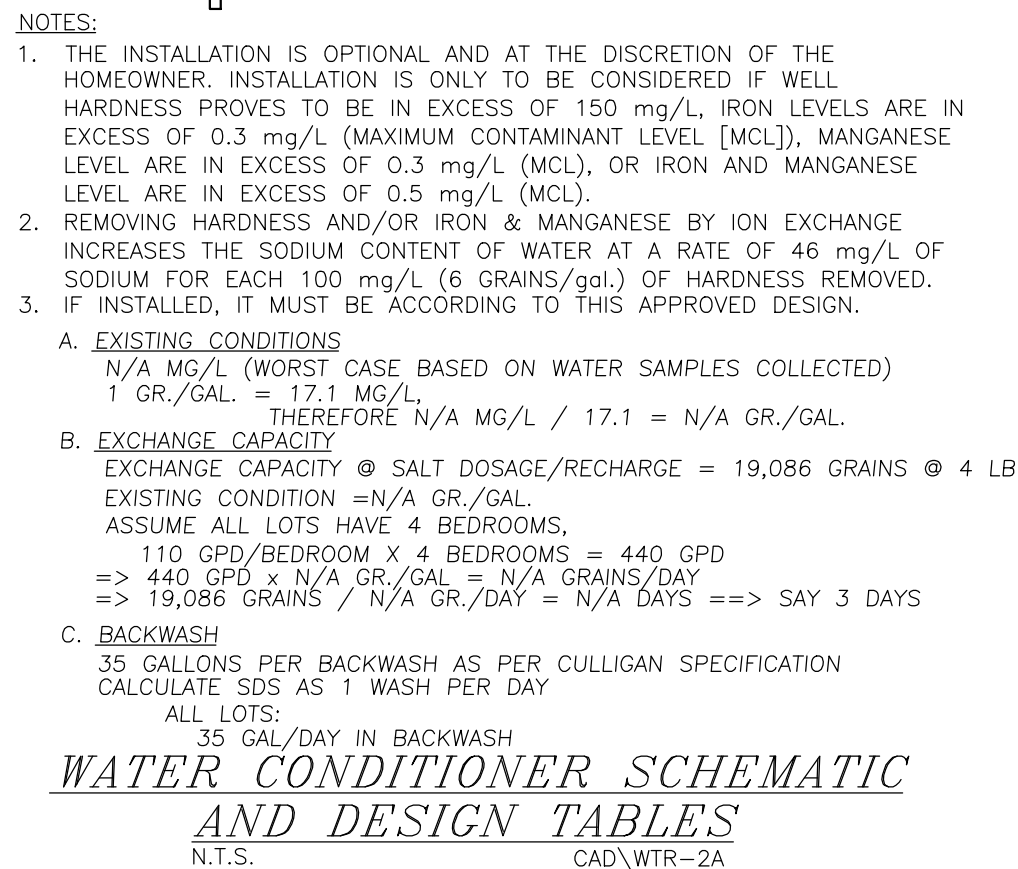
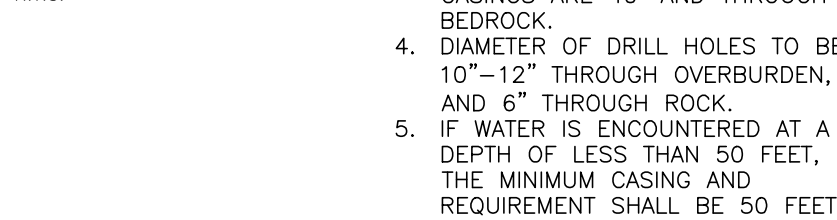
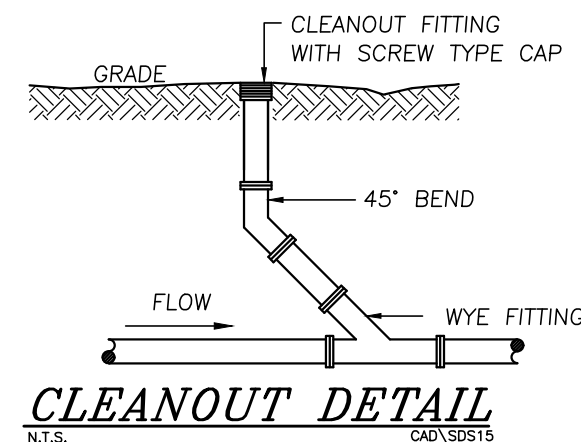
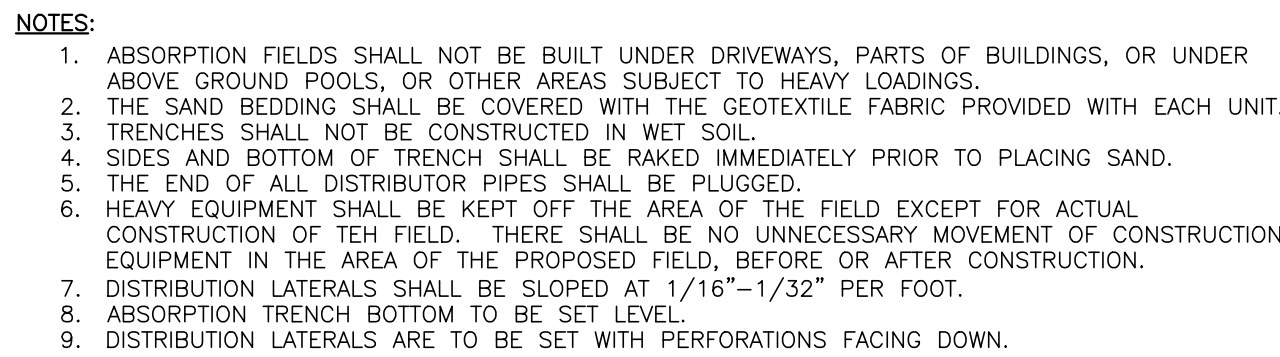
4

1

GRADE

SWAILE CROSS SECTION

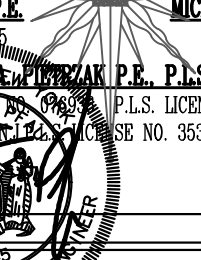
N.T.S. 04/20/14



ASTM C33 SAND SPECIFICATION		
SIEVE SIZE	SIEVE SQUARE OPENING SIZE	SPECIFICATION % PASSING (WET SIEVE)
0.375"	9.5 mm	100.0 – 100.0
#4	4.75 mm	95.0 – 100.0
#8	2.36 mm	80.0 – 100.0
#16	1.18 mm	50.0 – 85.0
#30	600 μ m	25.0 – 60.0
#50	300 μ m	5.0 – 30.0
#100	150 μ m	< 10.0
#200	75 μ m	< 5.0

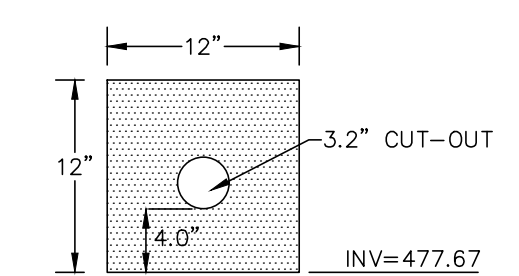
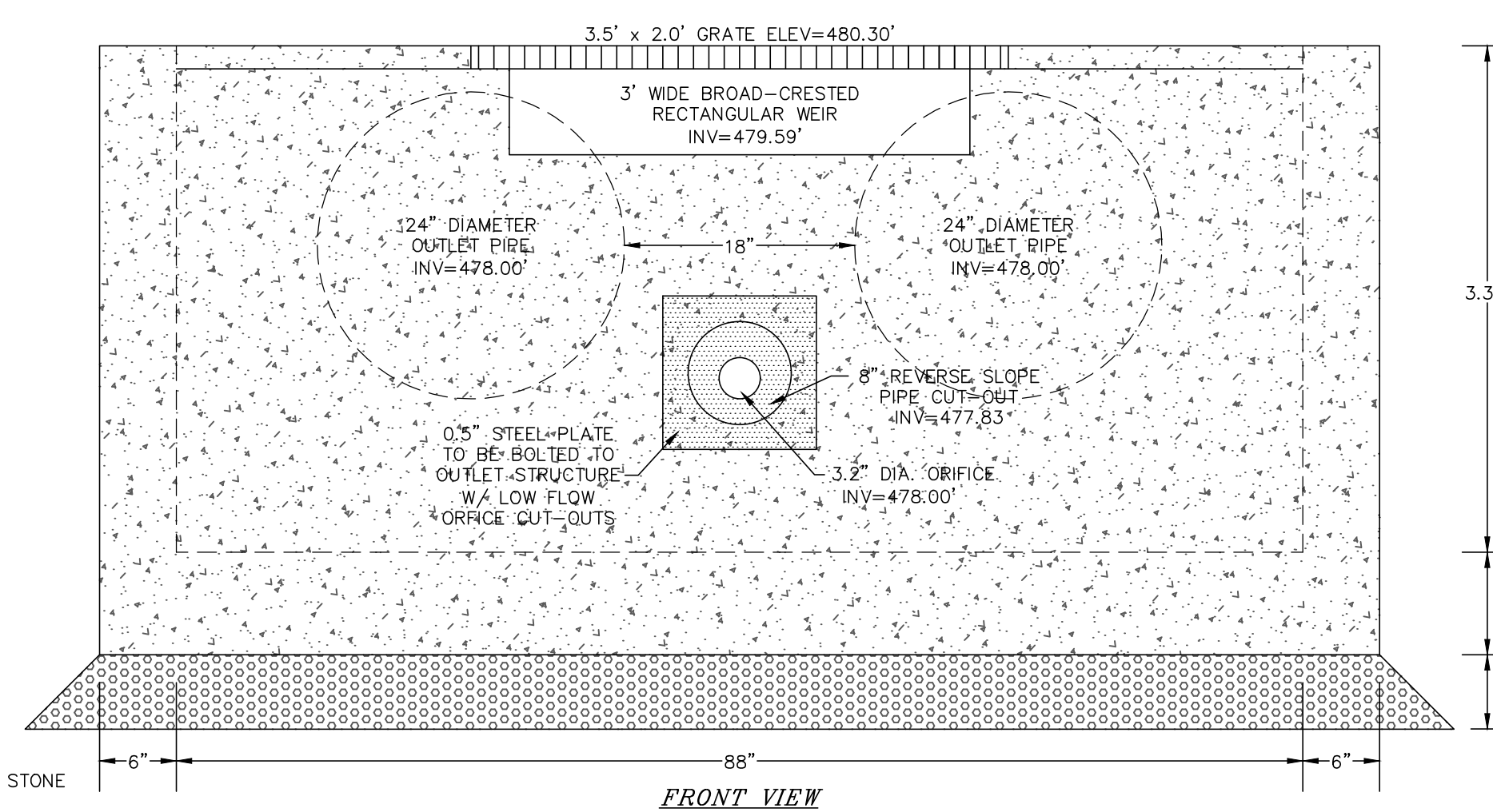
ELJEN IN-DRAIN CROSS SECTION DETAIL
N.T.S.

2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JJP
6-16-14	ORIGINAL PREPARATION DATE	JJP
DATE	REVISIONS	INITIALS
REVISIONS		
MAP CHECK DATE:	00/00/00	INITIALED BY: --

PIETRZAK & PFAU ENGINEERING & SURVEYING, PLLC			
282 GREENWICH AVENUE, SUITE A CUSHEN, NEW YORK 10824 (945) 294-0066		2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (945) 796-6646	
			
JOSEPH J. PFAU P.E. LICENSE NO. 056816		MICHAEL J. CHERMAN P.E. LICENSE NO. 056023	
JOSEPH J. PIETRZAK P.E. PLS. 1720-AP LICENSE NO. 056075		MICHAEL J. CHERMAN P.E. PLS. 1720-AP LICENSE NO. 056075	
SEE NO. 35396			
		2-28-18 DATE	
<u>BARODA CLUSTER</u> <u>SUBDIVISION</u>			
TOWN OF CHESTER COUNTY OF ORANGE, NEW YORK			
PROJECT TITLE			
<u>SANITARY & WATER</u> <u>SUPPLY DETAILS (2)</u>			
SECTION 12, BLOCK 1, LOT 31			
DRAWING TITLE			
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7205, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.			
O.C.D. SHEET NO. 7 of 7	D.E. SHEET NO. 3 of 3	DRAWING NUMBER 16 of 17	
SCALE AS SHOWN	CAD WORKING R.	PROJECT NUMBER 14118.01	

RESERVED FOR HEALTH DEPARTMENT APPROVAL

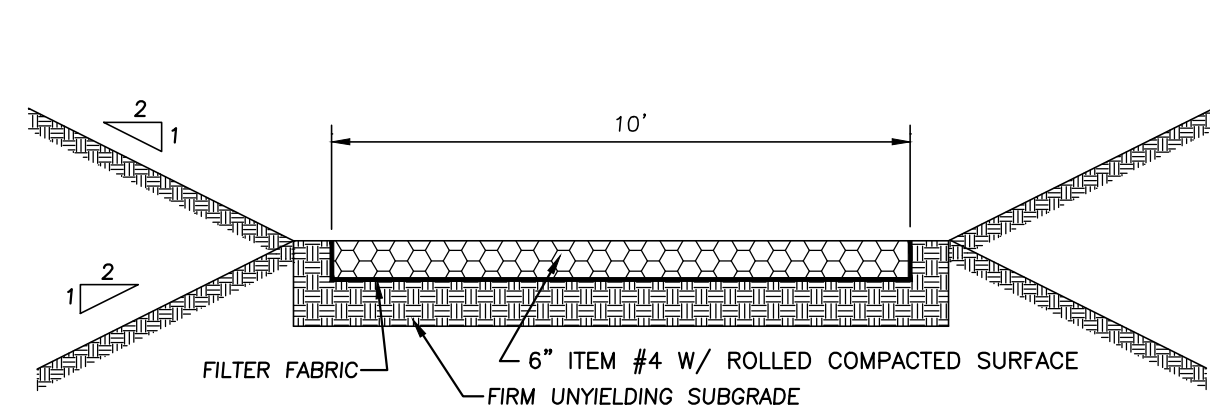
THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING O.C.H.D. SHEET NO. 7 OF 7.



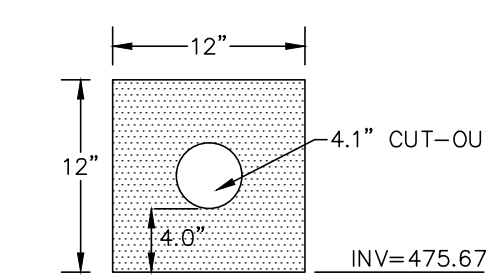
NOTES:
1. STEEL PLATE IS TO BE 0.5" THICK AND BOLTED OVER ORIFICE FOR THE 8" REVERSE SLOPE PIPE EXTENDING INTO PROPOSED POND.

PROPOSED STEEL PLATE W/ LOW
FLOW ORIFICE CUTOUT FOR
OUTLET STRUCTURE 3P
N.T.S.

PROPOSED OUTLET STRUCTURE 3P DETAIL
N.T.S.



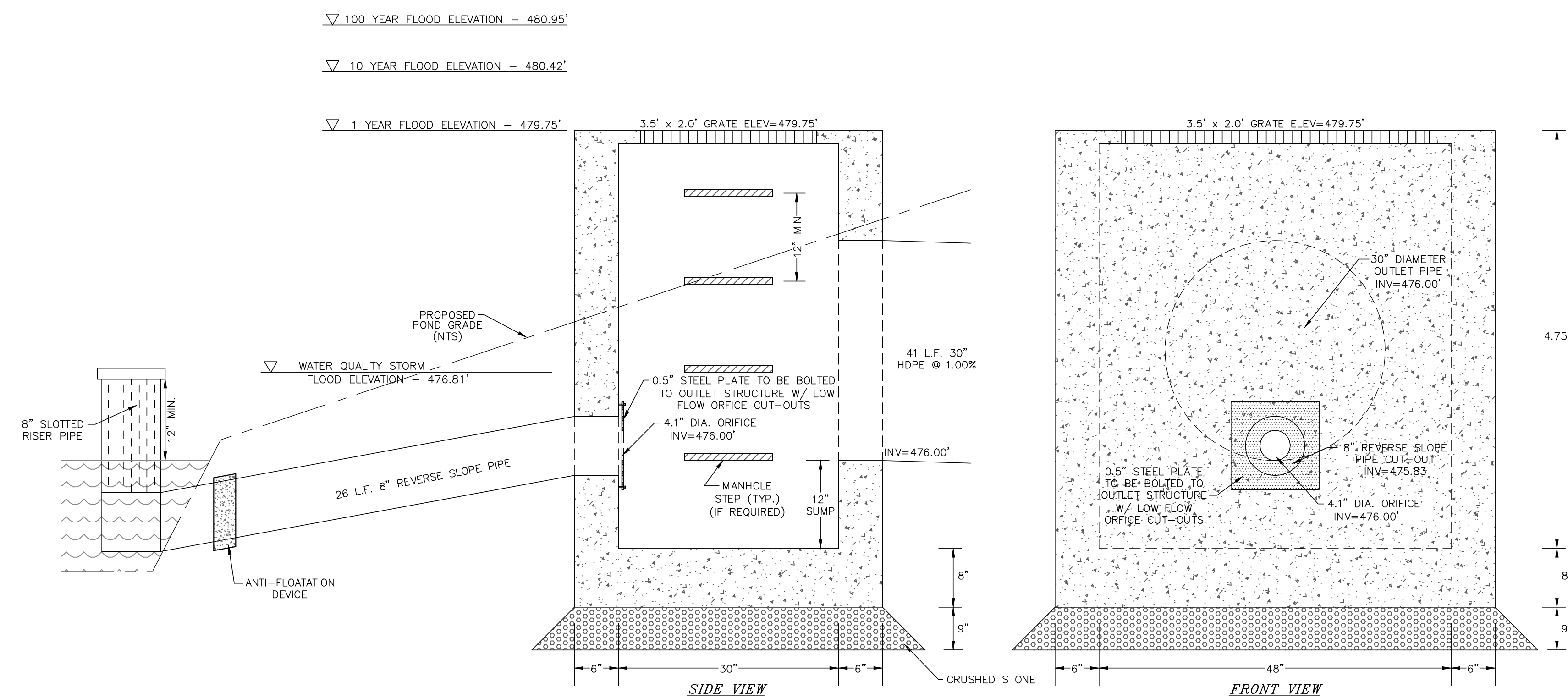
STABILIZED DETENTION POND ACCESS DRIVE DETAIL
N.T.S.



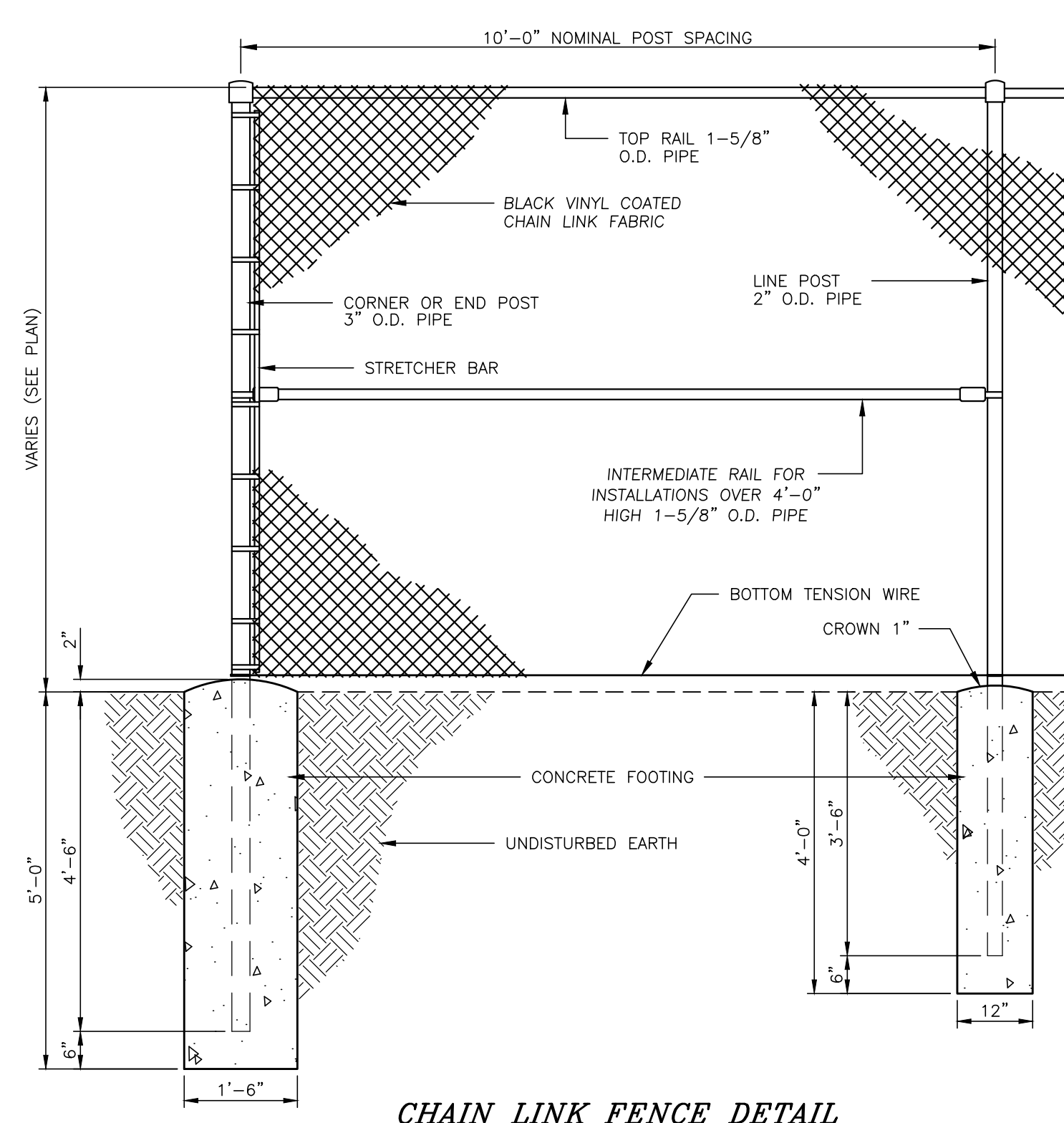
NOTES:

1. STEEL PLATE IS TO BE 0.5" THICK AND BOLTED OVER ORIFICE FOR THE 8" REVERSE SLOPE PIPE EXTENDING INTO PROPOSED POND.

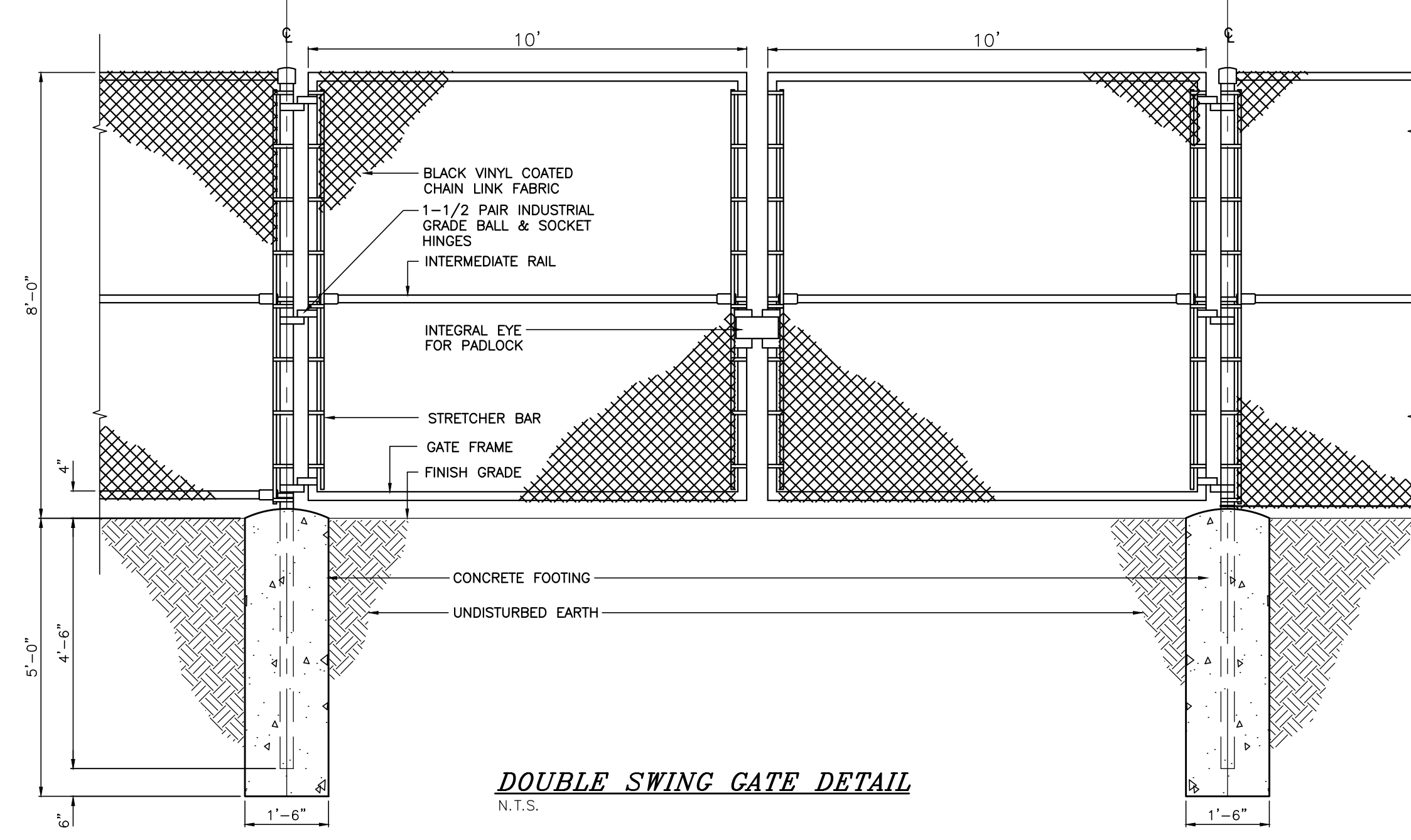
PROPOSED STEEL PLATE W/ LOW
FLOW ORIFICE CUTOUT FOR
OUTLET STRUCTURE 4P



PROPOSED OUTLET STRUCTURE 4P DETAIL
N.T.S.



CHAIN LINK FENCE DETAIL
N.T.S.



DOUBLE SWING GATE DETAIL
N.T.S.

2-28-18	PER PB COMMENTS AND SWPPP PREPARATION	MWS
10-28-16	PRELIMINARY DESIGN OF REVISED LAYOUT	MWS
3-31-16	REVISED CLUSTER LAYOUT PER HIGHWAY COMMENT	NR
6-19-15	REVISED PER PB COMMENTS	MWS
9-4-14	REVISED ENTRANCE	JJP
6-16-14	ORIGINAL PREPARATION DATE	JJP
DATE	DESCRIPTION	INITIALS

REVISIONS	
MAP CHECK DATE: 00/00/00	INITIALED BY: --

PIETRZAK & PFAU ENGINEERING & SURVEYING, PLLC		
262 GREENWICH AVENUE, SUITE A COSHEN, NEW YORK 10624 (945) 234-0006	2 HAMILTON AVENUE (MONTAILE), NEW YORK 12701 (845) 796-4446	
JOSEPH J. PFAU P.E. LICENSE NO. 068616	MICHAEL J. CERRIGAN P.L.S. LICENSE NO. 050023	
JOSEPH J. PFAU P.E. & MICHAEL J. CERRIGAN P.L.S. LEED AP P.L.S. LICENSE NO. 050075 C.E.S.E. NO. 35396		
SIGNATURE _____ DATE _____	SIGNATURE _____ DATE _____	
<u>BARODA CLUSTER</u> <u>SUBDIVISION</u> TOWN OF CHESTER COUNTY OF ORANGE, NEW YORK		
PROJECT TITLE _____		
<u>PROFILE SHEET & SITE</u> <u>DETAILS (2)</u> SECTION 12, BLOCK 1, LOT 31 (NOT FOR OCHD REVIEW OR APPROVAL)		
DRAWING TITLE _____		
UNAUTHORIZED CHANGES OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.		
O.C.H.D. SHEET NO. N/A OF 7	D.E.C. SHEET NO. N/A OF N/A	DRAWING NUMBER 14 OF 17
SCALE AS SHOWN	CAD REFERENCE WORKING R1	PROJECT NUMBER 14118.01