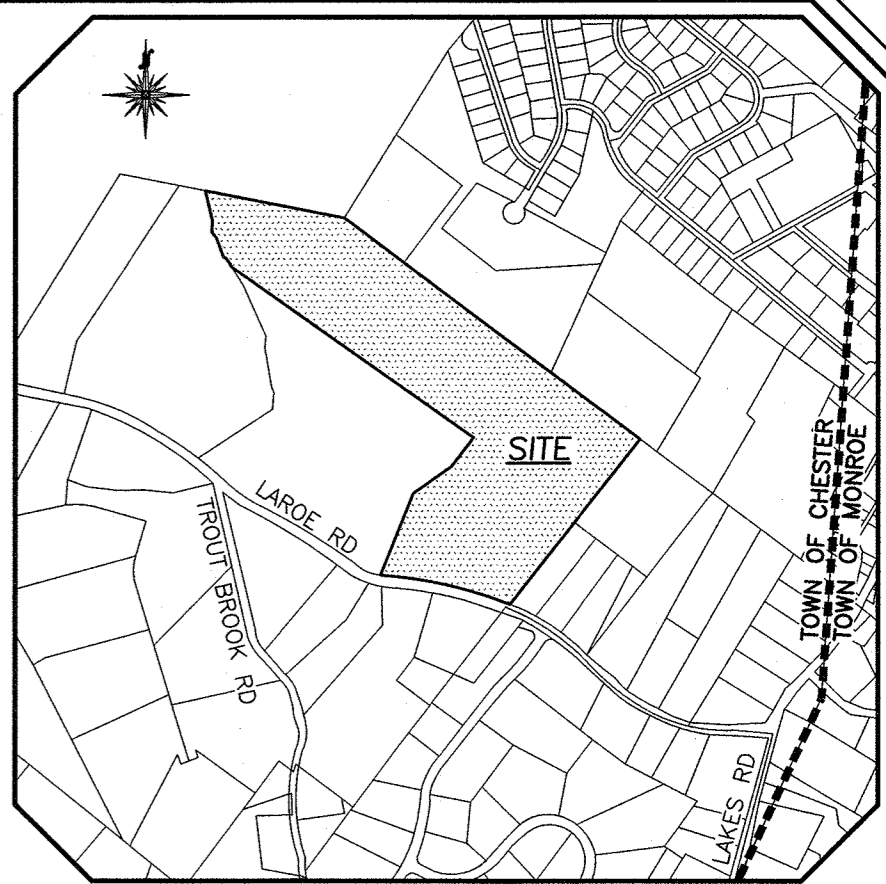
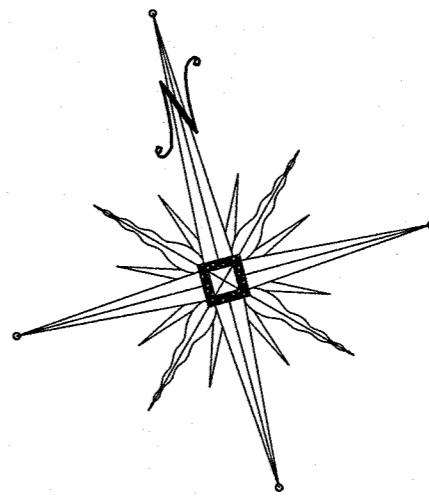


WOODRIDGE – CLUSTER SUBDIVISION

TOWN OF CHESTER
ORANGE COUNTY, NEW YORK



LOCATION MAP
SCALE 1"=1000'



GENERAL NOTES:

- TAX MAP DESIGNATION: TOWN OF CHESTER: SECTION 8 BLOCK 1 LOT 50.2
- TOTAL AREA OF PARCEL: 42.34 ACRES
- PARCEL IS LOCATED WITHIN THE AR-3 ZONING DISTRICT.
- PARCEL IS LOCATED WITHIN THE MONROE WOODBURY SCHOOL DISTRICT.
- A CONVENTIONAL YIELD PLAN HAS BEEN PREPARED PROPOSING 10 LOTS.
- PARCEL IS LOCATED WITHIN THE CHESTER FIRE DISTRICT.
- TOTAL NUMBER OF RESIDENTIAL LOTS PROPOSED: 10.
- ALL LOTS TO BE SERVED BY INDIVIDUAL WELL AND SEWAGE DISPOSAL SYSTEMS.
- POSTED SPEED LIMIT ALONG LAROE ROAD IS 30 MPH. THE MINIMUM STOPPING SIGHT DISTANCE FOR A 30 MPH ROAD IS 200 FEET.
- NO PORTION OF THIS SUBDIVISION IS LOCATED WITHIN A N.Y.S.D.E.C. REGULATED WETLAND OR FEDERAL JURISDICTIONAL WETLAND.
- THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED.
- A TIME OF YEAR RESTRICTION FOR TREE REMOVAL BETWEEN NOVEMBER 1 AND MARCH 31 IS TO BE IMPLEMENTED FOR THIS PROJECT TO AVOID IMPACTS TO THE INDIANA BATS.
- NO LOT IS TO BE FURTHER SUBDIVIDED WITHOUT ORANGE COUNTY DEPARTMENT OF HEALTH REVIEW AND APPROVAL.
- 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 NYSDC WELL COMPLETION REPORT.
- A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY, ANY WATER TREATMENT, AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION, PRIOR TO OCCUPANCY OF THE HOUSE. THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES ARE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS ARE SEALED AND TESTED FOR WATER-TIGHTNESS. A COPY OF THE NYSDC WELL COMPLETION REPORT MUST ALSO BE PROVIDED.
- 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 1 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.

SURVEY NOTES:

- UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE N.Y.S. EDUCATION LAW.
- 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.
- 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 PROFESSIONAL LAND SURVEYORS AND 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.
- UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY, ARE NOT SHOWN HEREON.
- CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION AS UNDERGROUND IMPROVEMENTS MAY EXIST WHICH WERE NOT LOCATED AT THE TIME OF THIS SURVEY.
- ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
- SUBJECT TO AN UP TO DATE AND ACCURATE TITLE REPORT.
- SUBJECT TO ANY EASEMENTS OR AGREEMENTS, IF ANY.
- SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
- SUBJECT TO ANY RIGHTS, TITLE, EASEMENTS, OR INTEREST BY UTILITY COMPANIES TO UTILITIES RUNNING IN AND/OR ALONG SAID PARCELS.
- TOPOGRAPHY AND SOME EXISTING FEATURES BASED ON AN AERIAL SURVEY PREPARED BY ROBINSON AERIAL SURVEYS, INC. ON JUNE 5, 2014.

RIDGE OVERLAY PROTECTION NOTE:

- ALL PROPOSED DWELLINGS ARE TO BE CONSTRUCTED WITHIN THE RIDGE PRESERVATION OVERLAY DISTRICT AND SHALL BE CONSTRUCTED IN CONFORMANCE WITH SECTION 98-26 OF THE TOWN OF CHESTER CODE.

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTE:

- NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.



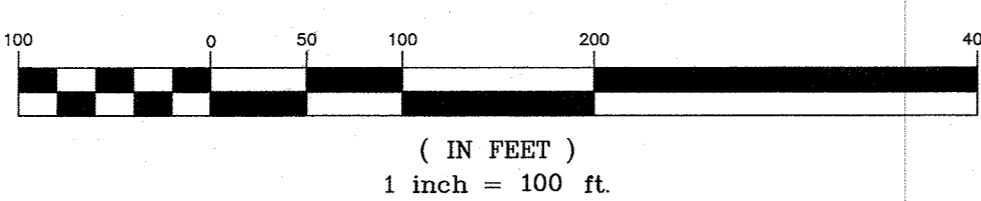
BEFORE YOU DIG, DRILL OR BLAST:

- CALL TOLL FREE 1-800-962-7962
- NY INDUSTRIAL CODE RULE 753 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.
- UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE N.Y.S EDUCATION LAW.
- THIS DRAWING IS ONE IN A SET OF DRAWINGS AND IS INCOMPLETE AND INVALID WHEN IT IS SEPARATED FROM THE SET.

LEGEND

- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING TREELINE
- EXISTING GUARD RAIL
- EXISTING RIP-RAP SWALE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN

GRAPHIC SCALE



CONSTRUCTION NOTES:

- CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AND VERIFY ALL LOCATIONS, ELEVATIONS, INVERTS, ETC. PRIOR TO ANY CONSTRUCTION AND NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES ON THIS PLAN.
- CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE UTILITIES FIELD LOCATED BY RESPECTIVE UTILITY COMPANIES AND SHALL ASSUME FULL RESPONSIBILITY AND SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE AND REPAIRS TO ANY DAMAGE.
- PROJECT SAFETY AND TRAFFIC MAINTENANCE ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR TO COORDINATE WITH ALL COMPANIES TO ASSURE ADEQUATE SUPPLY AND SCHEDULING OF NEW SERVICE, WHERE REQUIRED, TO FIT THE CONSTRUCTION SCHEDULING AND SEQUENCE TO ASSURE NO DAMAGE OR DISTURBANCE TO EXISTING SERVICES.

BULK REQUIREMENTS-TOWN OF CHESTER

ZONE AR-3 (AGRICULTURAL RESIDENTIAL)
USE GROUP-SINGLE FAMILY DETACHED DWELLINGS
CLUSTER DEVELOPMENT - NO SEWER OR WATER

	MIN. REQUIRED	PROVIDED
LOT AREA (SQ.FT.)	32,760	>32,760
LOT WIDTH (FT.)	100	>100
FRONT YARD (FT.)	35	>35
REAR YARD (FT.)	15	>15
BOTH SIDE YARDS (FT.)	30	>30
BUILDING COVERAGE (%)	20	<20
BLDG. HEIGHT (FT.)	40	<40



RESERVED FOR TOWN PLANNING BOARD APPROVAL

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. 1 OF 6.

ENGINEER'S CERTIFICATION

THE PROPOSED SEWAGE DISPOSAL SYSTEM(S) AND WATER SUPPLY SYSTEM(S) SHOWN ARE DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FOR RESIDENTIAL LOTS. THE DESIGN(S) ARE BASED UPON THE SOIL AND SITE CONDITIONS FOUND UPON THE LOT(S) AT THE DESIGN LOCATION AT THE TIME OF DESIGN.

PLAN INDEX

SHEET NO.	DRAWING TITLE
1	COVER SHEET
2	EXISTING CONDITIONS
3	SUBDIVISION PLAT
4	UTILITY PLAN
5	GRADING PLAN
6	LANDSCAPING PLAN
7	ROADWAY CONSTRUCTION EROSION CONTROL PLAN
8	INDIVIDUAL LOT CONSTRUCTION EROSION CONTROL PLAN
9	EROSION CONTROL CONSTRUCTION PHASING PLAN
10	EROSION CONTROL DETAILS
11	SITE DETAILS
12	PROFILE VIEW & SITE DETAILS
13	DRIVEWAY PROFILES
14	STORMWATER POND DETAILS
15	O.C.D.P.W. DETAILS

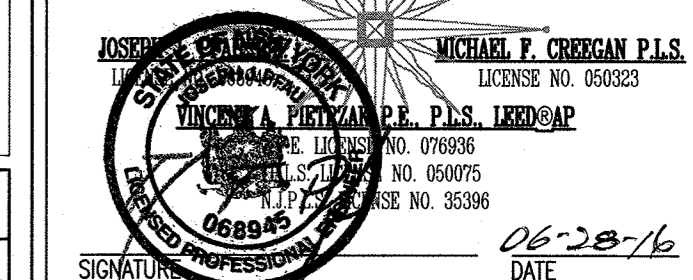
RECORD OWNER/APPLICANT

LAROE ROAD DEVELOPER LLC
P.O. BOX 59, 811 LAROE ROAD
HIGHLAND MILLS, NY 10930

DATE	DESCRIPTION	INITIALS
06-28-16	REVISIONS AS PER O.C.H.D. COMMENT LETTER	NR
03-28-16	O.C.H.D. PREPARATION DATE	NR
01-21-16	REVISIONS AS PER 9/2 COMMENT LETTER	NR
08-17-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
06-01-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
12-15-14	REVISIONS AS PER 12/2 COMMENT LETTER	NR
11-18-14	REVISIONS AS PER 10/9 COMMENT LETTER	NR
10-01-14	DESIGN PREPARATION DATE	NR
12-05-13	CLUSTER SKETCH PLAN PREPARATION DATE	JLP

DATE	DESCRIPTION	INITIALS
03-31-16	INITIALED BY:	NR

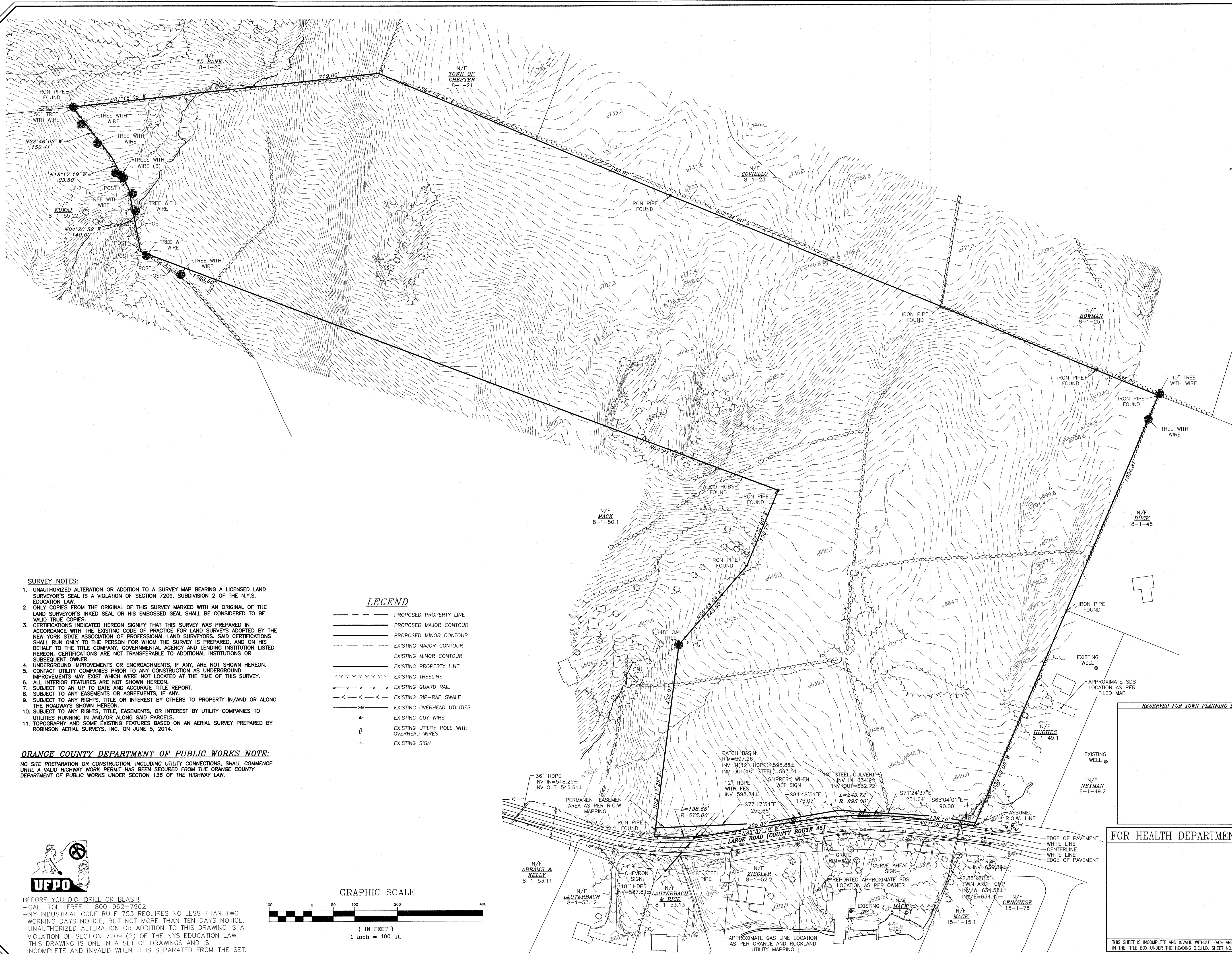
PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(945) 284-0606
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(945) 706-4646



WOODRIDGE CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK
PROJECT TITLE

COVER SHEET

SECTION 8 BLOCK 1 LOT 50.2		
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. 1 OF 6	D.E.C. SHEET NO. N/A	DRAWING NUMBER 1 OF 15
SCALE 1" = 100'	CAD REFERENCE 14102 ENG. BASE	PROJECT NUMBER 14102.01



SURVEY NOTES:

1. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE N.Y.S. EDUCATION LAW.
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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.
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6. ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
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9. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
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11. TOPOGRAPHY AND SOME EXISTING FEATURES BASED ON AN AERIAL SURVEY PREPARED BY ROBINSON AERIAL SURVEYS, INC. ON JUNE 5, 2014.

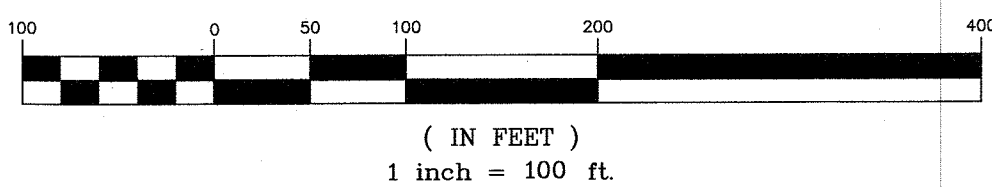
ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTE:

NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

LEGEND

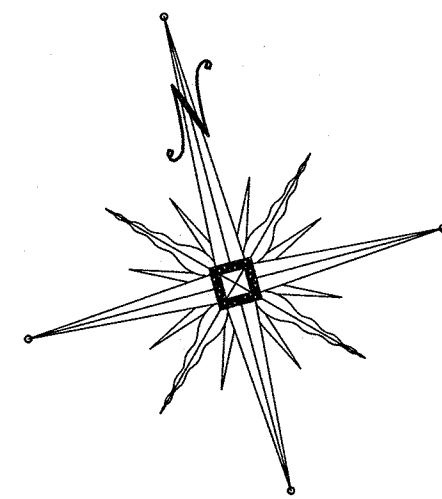
- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
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- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN

GRAPHIC SCALE



BEFORE YOU DIG, DRILL OR BLAST!

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I HEREBY CERTIFY THAT THIS MAP HAS BEEN PREPARED FROM AN ACTUAL FIELD SURVEY COMPLETED ON NOVEMBER 14, 2014

RECORD OWNER/APPLICANT
LAROF ROAD DEVELOPER LLC
P.O. BOX 59, 811 LAROF ROAD
HIGHLAND MILLS, NY 10890

DATE	DESCRIPTION	INITIALS
06-28-16	REVISIONS AS PER O.C.H.D. COMMENT LETTER	NR
03-28-16	O.C.H.D. PREPARATION DATE	NR
01-21-16	REVISIONS AS PER 9/2 COMMENT LETTER	NR
08-17-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
06-01-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
12-15-14	REVISIONS AS PER 12/2 COMMENT LETTER	NR
11-18-14	REVISIONS AS PER 10/9 COMMENT LETTER	NR
10-01-14	DESIGN PREPARATION DATE	NR
12-05-13	CLUSTER SKETCH PLAN PREPARATION DATE	JUP

DATE	DESCRIPTION	INITIALS
MAP CHECK DATE: 03-31-16	INITIALED BY: NR	

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 284-0606
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646

JOSEPH J. PFAU P.E.
LICENSE NO. 050323
MICHAEL F. CREGGAN P.E.
LICENSE NO. 050323
DATE: 06-28-16

WOODBRIDGE CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK
PROJECT TITLE

EXISTING CONDITIONS

SECTION 8 BLOCK 1 LOT 50.2
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. 2 OF 6
D.E.C. SHEET NO. 11
DRAWING NUMBER 2 OF 15
SCALE 1" = 100'
CAD REFERENCE 14102 ENG BASE
PROJECT NUMBER 14102.01

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 6.

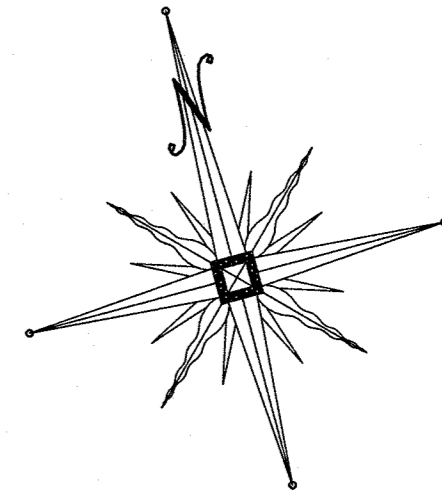
N/F
KUKAL
8-1-55.22

N/F
TD BANK
8-1-20

N/F
TOWN OF
CHESTER
8-1-21

N/F
COVIELLO
8-1-23

N/F
BOWMAN
8-1-25.1



OPEN SPACE
23.15± ACRES
1,008,278± SQ. FT.

N/F
MACK
8-1-50.1

N/F
BUCK
8-1-48

N/F
HUGHES
8-1-49.1

N/F
NEWMAN
8-1-49.2

N/F
GENOVESE
15-1-78

N/F
MACK
8-1-51

N/F
LAUTERBACH
8-1-53.13

N/F
ABBAMS &
KELLY
8-1-53.11

N/F
ZIEGLER
8-1-52.2

BULK REQUIREMENTS-TOWN OF CHESTER		
ZONE AR-3 (AGRICULTURAL RESIDENTIAL)		
USE GROUP-SINGLE FAMILY DETACHED DWELLINGS		
CLUSTER DEVELOPMENT - NO SEWER OR WATER		
	MIN. REQUIRED	PROVIDED
LOT AREA (SQ.FT.)	32,760	>32,760
LOT WIDTH (FT.)	100	>100
FRONT YARD (FT.)	35	>35
REAR YARD (FT.)	40	>40
SIDE YARD (FT.)	15	>15
BOTH SIDE YARDS (FT.)	30	>30
MAX. PERMITTED		
BUILDING COVERAGE (%)	20	<20
BLDG. HEIGHT (FT.)	40	<40

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PREPARED FROM AN ACTUAL SURVEY COMPLETED ON NOVEMBER 18, 2014

RECORD OWNER APPLICANT
LARGE ROAD DEVELOPER LLC
P.O. BOX 59, 341 LAROS ROAD
HIGHLAND MILLS, NY 10830

DATE	DESCRIPTION	INITIALS
06-28-16	REVISIONS AS PER O.C.H.D. COMMENT LETTER	NR
03-28-16	O.C.H.D. PREPARATION DATE	NR
01-21-16	REVISIONS AS PER 9/2 COMMENT LETTER	NR
08-17-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
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10-01-14	DESIGN PREPARATION DATE	NR
12-05-13	CLUSTER SKETCH PLAN PREPARATION DATE	JUP

DATE	DESCRIPTION	INITIALS
03-31-16	MAP CHECK DATE	NR
03-31-16	INITIALED BY	NR

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10824
(845) 294-0006

2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4846

JOSEPH J. PIETRZAK, P.E.
LICENSE NO. 050223

MICHAEL F. PFAU, P.E.
LICENSE NO. 050223

WOODRIDGE CLUSTER

SUBDIVISION

TOWN OF CHESTER

COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

SUBDIVISION PLAT

SECTION 8 BLOCK 1 LOT 50.2

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. 3 OF 6

D.E.C. SHEET NO. N/A OF

DRAWING NUMBER 3 OF 15

SCALE 1" = 100'

CAD REFERENCE 14102 ENG BASE

PROJECT NUMBER 14102.01

FOR HEALTH DEPARTMENT APPROVAL

RESERVED FOR TOWN PLANNING BOARD APPROVAL

EDGE OF PAVEMENT

WHITE LINE

CENTERLINE

WHITE LINE

EDGE OF PAVEMENT

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. 3 OF 6.

LEGEND

- PROPOSED OFFER OF DEDICATION AREA
- PROPOSED EASEMENT AREA
- PROPOSED R.O.W. MONUMENT
- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING TREELINE
- EXISTING GUARD RAIL
- EXISTING RIP-RAP SWALE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTE:
NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

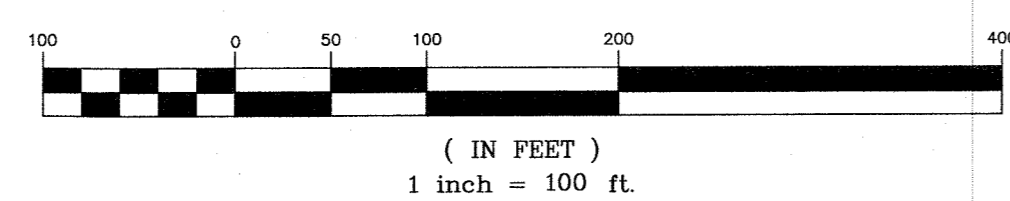
GRATUITOUS OFFER OF DEDICATION NOTE:

THE DEVELOPER/OWNER IRREVOCABLY OFFERS TO CEDE TITLE FOR LAND AREAS SHOWN ON THE PLAT AS RIGHT OF WAY AND DESIGNATED AS OFFERED FOR DEDICATION TO THE COUNTY OF ORANGE.

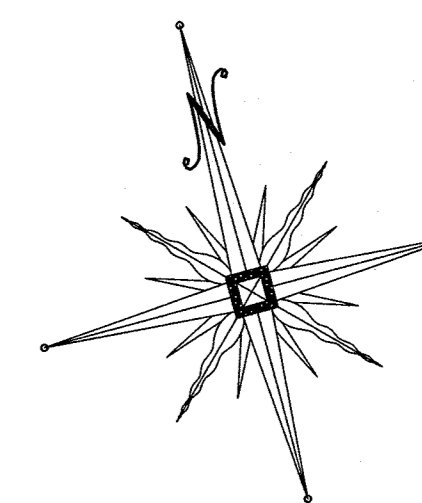


BEFORE YOU DIG, DRILL OR BLAST!
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-NY INDUSTRIAL CODE RULE 75.3 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.
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

GRAPHIC SCALE



N/F
MACK
8-1-50.1



N/F
BUCK
8-1-48

- | | |
|---|---|
|  | PROPOSED WELL |
|  | PROPOSED CONVENTIONAL SDS SYSTEM |
|  | 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 GUARD RAIL |
|  | EXISTING RIP-RAP SWALE |
|  | EXISTING OVERHEAD UTILITIES |
|  | EXISTING GUY WIRE |
|  | EXISTING UTILITY POLE WITH OVERHEAD WIRES |
|  | EXISTING SIGN |
|  | SOIL PERCOLATION TEST |
|  | SOIL DEEP TEST |

(IN FEET)
1 inch = 50 ft

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTE:
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DATE	DESCRIPTION	INIT
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RESERVED FOR TOWN PLANNING BOARD APPROVAL

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. 4 OF 6.

ENGINEER'S CERTIFICATION

THE PROPOSED SEWAGE DISPOSAL SYSTEM(S) AND WATER SUPPLY SYSTEM(S) SHOWN ARE DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FOR RESIDENTIAL LOTS. THE DESIGN(S) ARE BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON THE LOT(S) AT THE DESIGN LOCATION AT THE TIME OF DESIGN.

PIETRZAK & PFAU
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(845) 294-0606

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MONTICELLO, NEW YORK 127
(845) 796-4846

JOSEPH J. PFAU P.E.  **MICHAEL F. CREEGAN P.E.**
LICENSE NO. 06889 LICENSE NO. 050323

STATE OF NEW YORK P.S. LEEDCAP
P.E. LICENSING DIVISION

PLAS LICENSE NO. 05075
NAD. LICENSE NO. 33396

SIGNATURE _____ DATE 06-28-11

WOODRIDGE CLUSTER

SUBDIVISION

SUBDIVISION
TOWN OF CHESTER

COUNTY OF ORANGE, NEW YORK
PROJECT TITLE

UTILITY PLAN

UTILITY PLAN
SECTION 8 BLOCK 1 LOT 50.2

RAWING TITLE

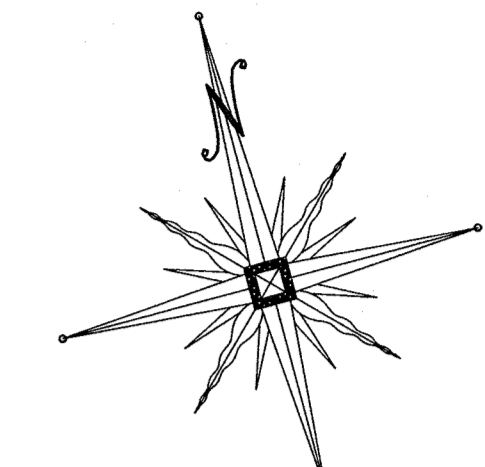
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED
LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION
OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

D.C.H.D. SHEET NO. 4 OF 6	D.E.C. SHEET NO. N/A OF	DRAWING NUMBER 4 OF 15
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SCALE 1" = 50'	CAD REFERENCE 14102 ENG BASE	PROJECT NUMBER 14102.01
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BEFORE YOU DIG, DRILL OR BLAST!

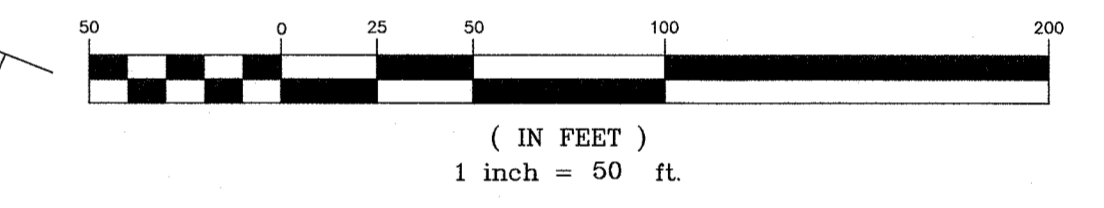
- CALL TOLL FREE 1-800-962-7962
- N.Y. INDUSTRIAL CODE RULE 753 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.
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LEGEND

- PROPOSED WELL
- PROPOSED CONVENTIONAL SDS SYSTEM
- PROPOSED ELIJEN SDS SYSTEM
- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING TREELINE
- EXISTING GUARD RAIL
- EXISTING RIP-RAP SWALE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN
- SOIL PERCOLATION TEST
- SOIL DEEP TEST

GRAPHIC SCALE



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DATE	DESCRIPTION	INITIALS
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10-01-14	DESIGN PREPARATION DATE	NR
12-05-13	CLUSTER SKETCH PLAN PREPARATION DATE	JUP

DATE	REVISIONS	INITIALED BY
MAP CHECK DATE: 03-31-16		NR

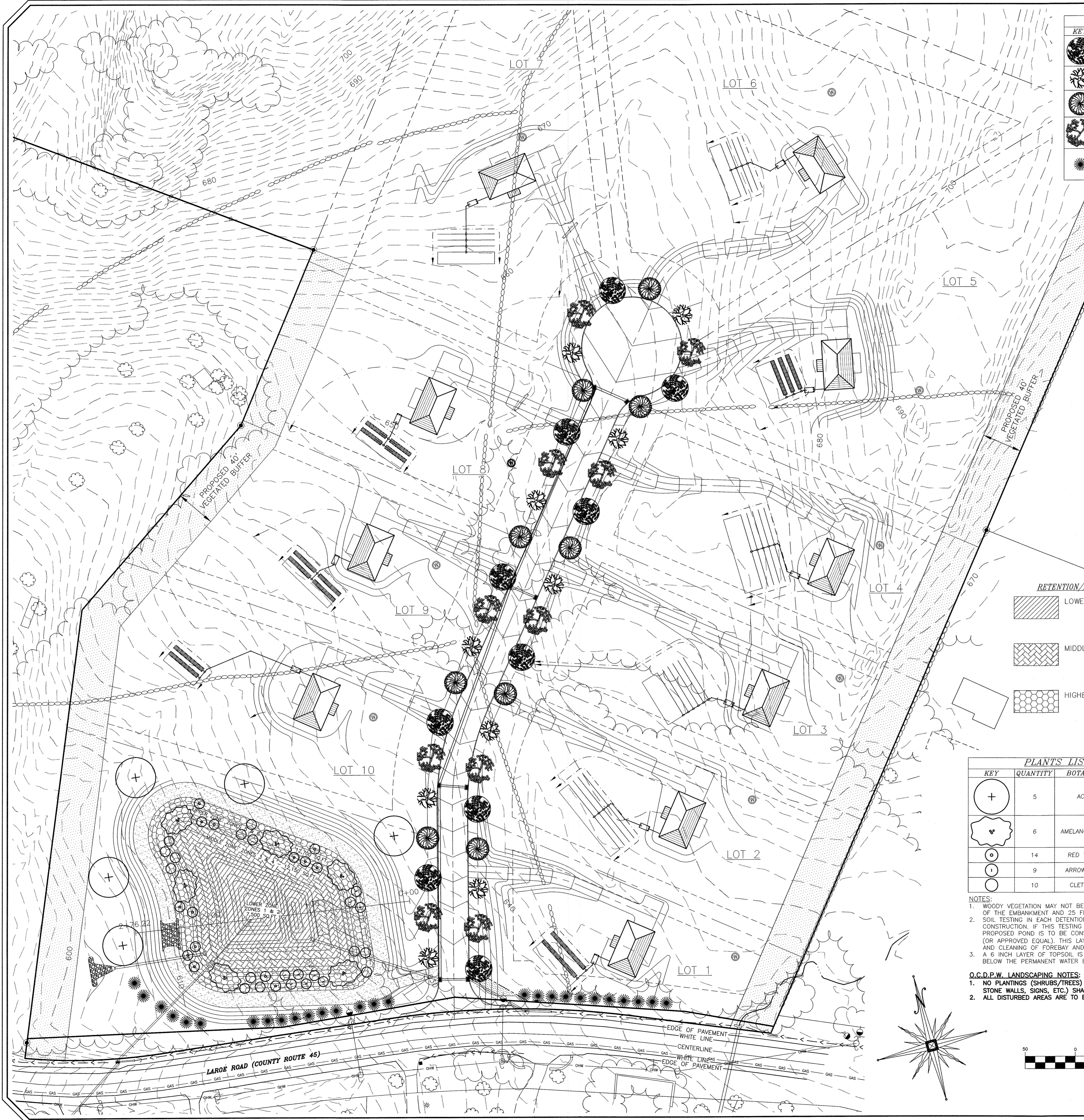
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JOSEPH J. PFAU, P.E.
LICENSE NO. 050023
MICHAEL F. CROGGAN, P.L.S.
LICENSE NO. 050023
DATE: 06-28-16

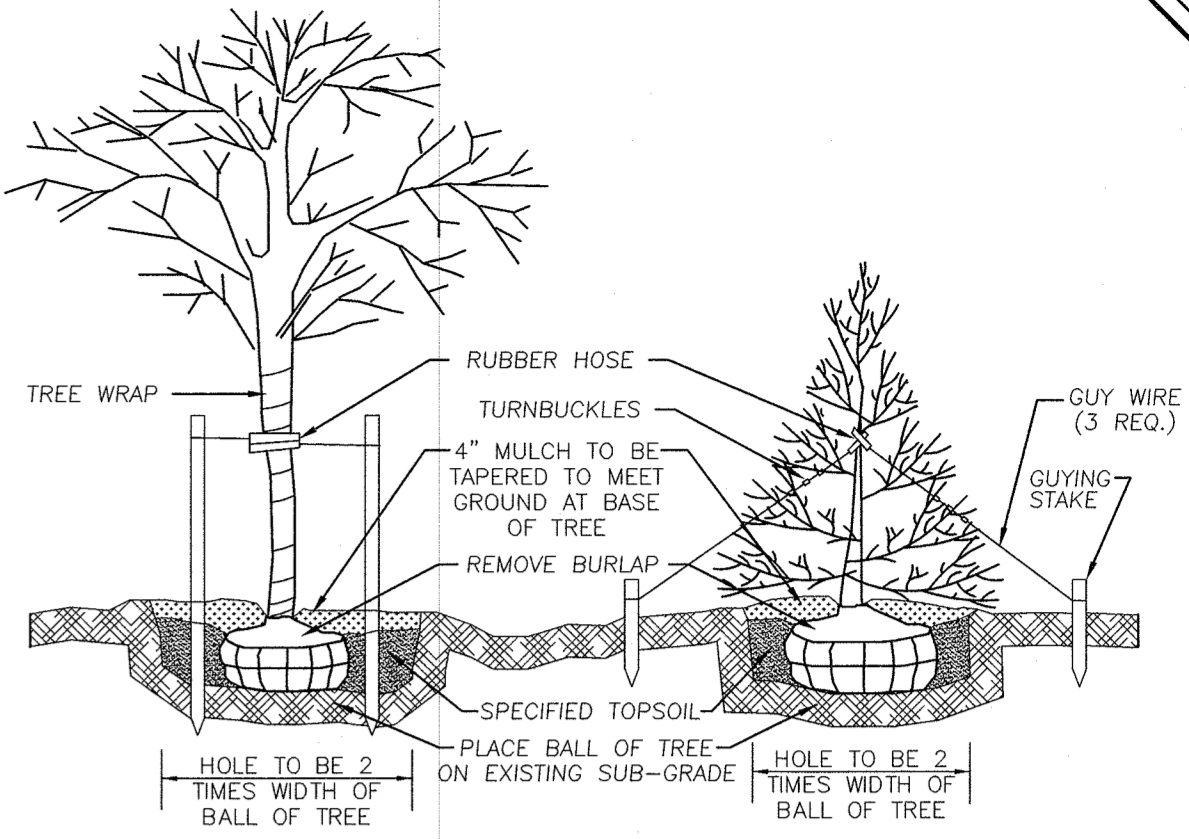
WOODRIDGE CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK
PROJECT TITLE

GRADING PLAN
SECTION 8 BLOCK 1 LOT 50.2
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 6
D.C. SHEET NO. 14102 ENG BASE
DRAWING NUMBER 5 OF 15
SCALE 1" = 50'
PROJECT NUMBER 14102.01

UFPO
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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
	27	THUJA PLICATA	GREEN GIANT ARBORVITAE	2 1/2" TO 3" C	B & B



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

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. HARDBANK SHALL BE LOOSENEED 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 8.5-208.
- 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.

RETENTION/DETENTION POND PLANTINGS:

- LOWER ZONE (NYS DEC ZONES 1 & 2):
PONTEDERIA CORDATA, PICKLEWEED
SCIRPUS PUNGENS, COMMON THREE-SQUARE
TYPHA SPP., CATTAIL
VALLISMERA AMERICANA, WILD CELERY
- MIDDLE ZONE (NYS DEC ZONES 3 & 4):
CAREX LACUSTRIS, LAKEBANK SEDGE
SAGITTARIA LATIFOLIA, DUCK POTATO
SCIRPUS CYPERNUS, WOOL GRASS
SCIRPUS VALIDUS, SOFT-STEM BULRUSH
- HIGHER ZONE (NYS DEC ZONES 5 & 6):
DESCHAPSIA CAESPITOSA, TUFTED HAIRGRASS
GLYCERIA STRIATA, FOWL MANNAGRASS
JUNCUS EFFUSUS, SOFT RUSH
PANICUM VIRGATUM, SWITCH GRASS

PLANTS LIST (NOT FOR OCHD REVIEW OR APPROVAL)				
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
	5	ACER RUBRUM	RED MAPLE	3" TO 3-1/2" C
	6	AMELANCHIER CNADENSIS	SHADBLOW SERVICEBERRY	18"-24"
	14	RED TWIG DOGWOOD	CORNUS SERICEA	18"-24"
	9	ARROWWOOD	VIBURNUM DENTATUM	18"-24"
	10	CLETHRA ALNIFOLIA	SUMMERSWEET	18"-24"

- NOTES:
- WOODY VEGETATION MAY NOT BE PLANTED OR ALLOWED TO GROW WITHIN 15 FEET OF THE TOE OF THE EMBANKMENT AND 25 FEET FROM THE PRINCIPAL SPILLWAY STRUCTURE.
 - SOIL TESTING IN EACH DETENTION POND AREA IS TO BE CONDUCTED AT THE TIME OF POND CONSTRUCTION. IF THIS TESTING REVEALS THAT SIGNIFICANT INFILTRATION WILL OCCUR, THE PROPOSED POND IS TO BE CONSTRUCTED WITH A 6 TO 12 INCH NON-PERMEABLE CLAY LAYER (OR APPROVED EQUAL). THIS LAYER IS TO BE COMPACTED AND HARDENED TO EASE MAINTENANCE AND CLEANING OF FOREBAY AND WET POND.
 - A 6 INCH LAYER OF TOPSOIL IS TO BE SPREAD EVENLY FROM THE TOP OF THE POND TO 2 FEET BELOW THE PERMANENT WATER ELEVATION TO BETTER PROMOTE VEGETATION ESTABLISHMENT.

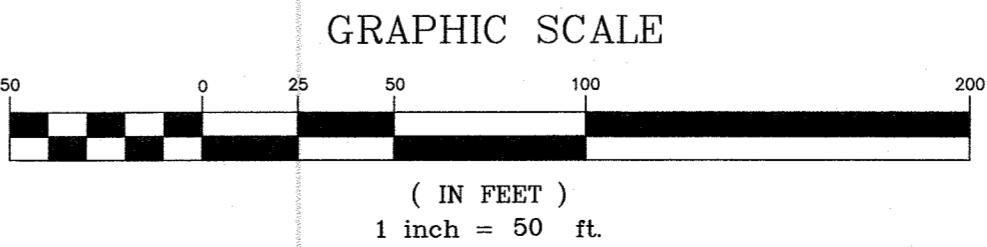
O.C.D.P.W. LANDSCAPING NOTES:

- NO PLANTINGS (SHRUBS/TREES) OR LANDSCAPING FEATURES (GATES, FENCES, STONE PILLARS, STONE WALLS, SIGNS, ETC.) SHALL BE PLACED WITHIN THE COUNTY RIGHT OF WAY.
- ALL DISTURBED AREAS ARE TO BE GRADED, SEEDED, AND STRAWED ON A DAILY BASIS.

LEGEND

- PROPOSED WELL
 PROPOSED CONVENTIONAL SDS SYSTEM
 PROPOSED ELWIN SDS SYSTEM
 PROPOSED PROPERTY LINE
 PROPOSED MAJOR CONTOUR
 PROPOSED MINOR CONTOUR
 EXISTING MAJOR CONTOUR
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 EXISTING UTILITY POLE WITH OVERHEAD WIRES
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RESERVED FOR TOWN PLANNING BOARD APPROVAL



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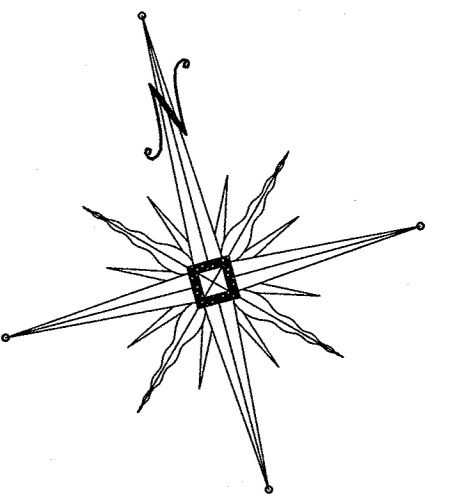
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LICENSE NO. 050223
VINCENT P. PIETRZAK P.E., P.L.S., LEAD
P.L.S. LICENSE NO. 070556
P.L.S. LICENSE NO. 160076
P.L.S. LICENSE NO. 35396

WOODRIDGE CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK
PROJECT TITLE

LANDSCAPING PLAN
SECTION 8 BLOCK 1 LOT 50.2
DRAWING TITLE
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O.C.H.D. SHEET NO. 6 OF 6
D.E.C. SHEET NO. N/A
DRAWING NUMBER 6 OF 15
SCALE 1" = 50'
CAD REFERENCE 14102 ENG BASE
PROJECT NUMBER 14102.01



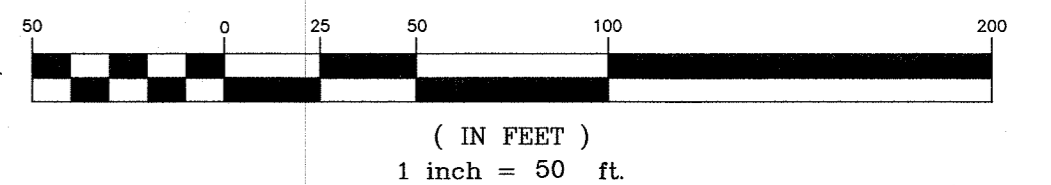
LEGEND

- INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- PROPOSED DISTURBANCE LIMIT LINE
- TEMPORARY DIVERSION SWALE FOR DISTURBED AREAS
- STONE CHECK DAM
- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
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- EXISTING GUARD RAIL
- EXISTING RIP-RAP SWALE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN

GENERAL NOTES:

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GRAPHIC SCALE

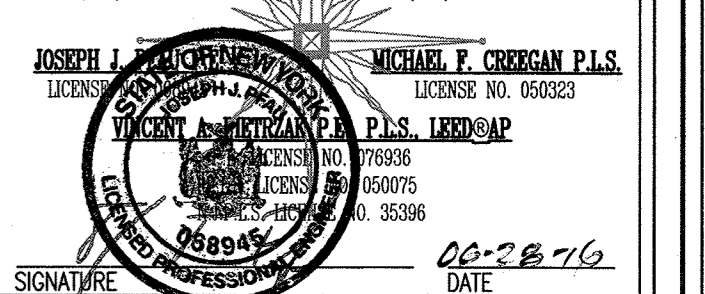


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WOODRIDGE CLUSTER
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COUNTY OF ORANGE, NEW YORK

ROADWAY CONSTRUCTION
EROSION CONTROL PLAN
SECTION 8 BLOCK 1 LOT 50.2

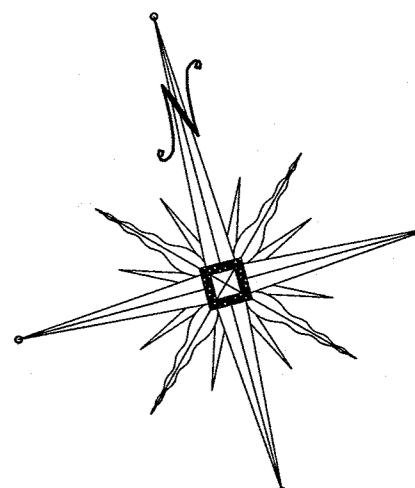
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SCALE 1" = 50'	CAD REFERENCE 14102 ENG BASE	PROJECT NUMBER 14102.01

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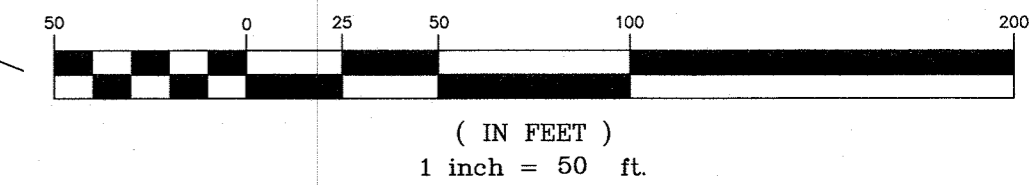
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DATE	DESCRIPTION	INITIALS

REVISIONS	
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JOSEPH J. PIETRZAK, P.E., P.S., L.S. 12702-AP
MICHAEL F. PFAU, P.E., P.S., L.S. 12702-AP
LICENSE NO. 056023
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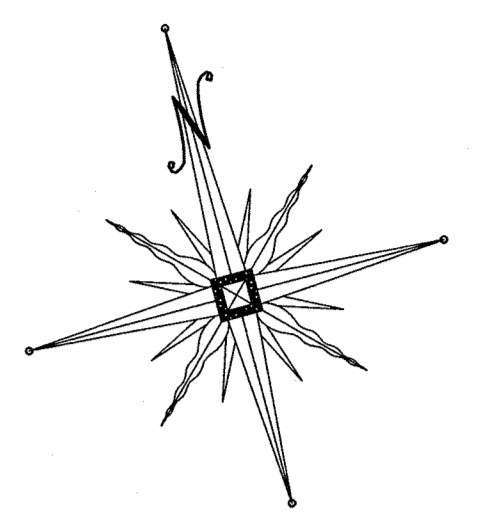
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UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.
O.C.H.D. SHEET NO. N/A OF 6 D.E.C. SHEET NO. N/A OF 6 DRAWING NUMBER 8 OF 16
SCALE 1" = 50' CAD REFERENCE 14102 ENG BASE PROJECT NUMBER 14102.01



BEFORE YOU DIG, DRILL OR BLAST!
-CALL TOLL FREE 1-800-962-7962
-NY INDUSTRIAL CODE RULE 753 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.
-UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NYS EDUCATION LAW.
-THIS DRAWING IS ONE IN A SET OF DRAWINGS AND IS INCOMPLETE AND INVALID WHEN IT IS SEPARATED FROM THE SET.

THIS SHEET IS NOT FOR ORANGE COUNTY HEALTH DEPARTMENT REVIEW OR APPROVAL
RESERVED FOR TOWN PLANNING BOARD APPROVAL



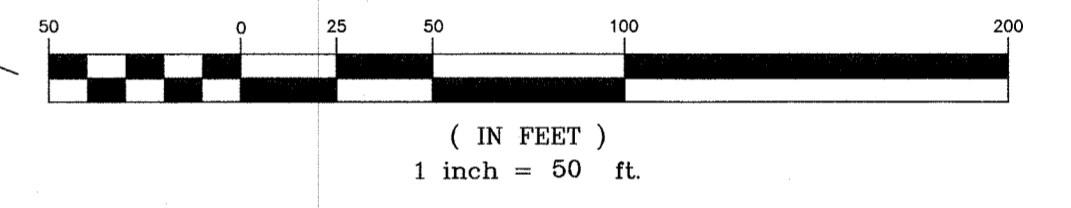
LEGEND

- PHASE 1 ROADWAY CONSTRUCTION HATCH AREA ~ 3.70 ACRES
- PHASE 1 LOT CONSTRUCTION HATCH AREA ~ 4.85 ACRES
- PHASE 2 LOT CONSTRUCTION HATCH AREA ~ 2.05 ACRES
- DLL PROPOSED DISTURBANCE LIMIT LINE
- PROPOSED PROPERTY LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING TREELINE
- EXISTING GUARD RAIL
- EXISTING RIP-RAP SWALE
- EXISTING OVERHEAD UTILITIES
- EXISTING GUY WIRE
- EXISTING UTILITY POLE WITH OVERHEAD WIRES
- EXISTING SIGN

GENERAL NOTES:

1. THE CLEARING LIMIT LINE IS TO BE STAKED OUT AND ORANGE CONSTRUCTION FENCE INSTALLED ON SAID LINE PRIOR TO CONSTRUCTION TO AVOID DISTURBANCE OF TREES NOT SCHEDULED FOR REMOVAL.

GRAPHIC SCALE



ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTE:
NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

DATE	DESCRIPTION	INITIALS
06-28-16	REVISIONS AS PER O.C.H.D. COMMENT LETTER	NR
03-28-16	O.C.H.D. PREPARATION DATE	NR
01-21-16	REVISIONS AS PER 9/2 COMMENT LETTER	NR
08-17-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
06-01-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
12-15-14	REVISIONS AS PER 12/2 COMMENT LETTER	NR
11-18-14	REVISIONS AS PER 10/9 COMMENT LETTER	NR
10-01-14	DESIGN PREPARATION DATE	NR
12-05-13	CLUSTER SKETCH PLAN PREPARATION DATE	JUP
REVISIONS		
MAP CHECK DATE: 03-31-16 INITIALED BY: NR		

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A GOSHEN, NEW YORK 10824 (845) 284-0606
2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (845) 796-6646

JOSEPH A. PIETRZAK P.E., P.L.S., LEED-AP
LICENSE NO. 050075
SIGNATURE: [Signature] DATE: 06/28/16

MICHAEL T. CROGGAN P.L.S.
LICENSE NO. 050023
SIGNATURE: [Signature] DATE: 06/28/16

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RESERVED FOR TOWN PLANNING BOARD APPROVAL

WOODRIDGE CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK
PROJECT TITLE

EROSION CONTROL CONSTRUCTION PHASING PLAN
SECTION 8 BLOCK 1 LOT 50.2
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 6 D.E.C. SHEET NO. N/A OF 9 DRAWING NUMBER 14102.01
SCALE 1" = 50' CAD REFERENCE 14102 ENG BASE PROJECT NUMBER 14102.01

UFPO
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EROSION CONTROL SEQUENCE

MEASURES SHALL BE TAKEN TO PREVENT SOIL EROSION DURING PROJECT CONSTRUCTION. ALL FRESHLY DISTURBED AREAS THAT WILL REMAIN DISTURBED FOR MORE THAN A PERIOD OF FOURTEEN (14) DAYS SHALL BE STABILIZED BY TEMPORARY SEEDING AS INDICATED ON THE TEMPORARY SEEDING SCHEDULE. DISTURBED AREAS SHALL BE MINIMAL IN SIZE AND SHALL NOT EXCEED THE APPROVED CLEARING AND GRADING LIMITS. THE FOLLOWING MEASURES SHALL BE IMPLEMENTED AS CONSTRUCTION PROGRESSES.

- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, THE LIMITS OF CLEARING AND GRADING SHALL BE MARKED. FILTER FABRIC SEDIMENTATION BARRIERS (SILT FENCE) SHALL BE PLACED ALONG THE DOWNGRADE PERIMETER OF THE SITE AND ANY OTHER AREAS WHERE SILT FENCE IS INDICATED AS TO BE INSTALLED "PRIOR TO CONSTRUCTION" ON THE APPROVED PLANS. INSTALLATION IS TO BEGIN AT THE DOWNSTREAM PORTIONS OF THE SITE THEN WORKING UPSTREAM.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE BUILT IN THE AREAS SHOWN ON THE APPROVED PLANS AND WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PUBLIC THROUGHFARE. STABILIZED ENTRANCES SHALL BE BUILT IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAIL.
- UPON COMPLETION OF CLEARING AND GRUBBING ACTIVITIES, TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM ALL AREAS TO BE DISTURBED. STOCKPILED TOPSOIL SHALL BE STABILIZED BY TEMPORARY SEEDING AND SURROUNDED WITH A PERIMETER SILT FENCE.
- TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING EARTH MOVING ACTIVITIES. THIS INCLUDES SEDIMENTATION TRAPS, TYPE "B" DIVERSION SWALES (WITH CHECK DAMS IF APPLICABLE) AND SILT FENCE IN AREAS NOT DESIGNATED TO BE GRADED. INSTALLATION SHALL BEGIN AT DOWNSTREAM PORTIONS OF THE SITE THEN WORKING UPSTREAM. INFILTRATION AND FILTERING PRACTICES, SUCH AS SAND FILTERS AND BIORETENTION PONDS SHALL NOT HAVE INFILTRATION AND FILTER MEDIA INSTALLED UNTILL ALL TRIBUTARY AREAS HAVE BEEN SUBSTANTIALLY STABILIZED.
- 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 "A" DIVERSION SWALES (WITH CHECK DAMS IF APPLICABLE). AREAS NOT REQUIRING FURTHER EARTHWORK SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED AS EARLY AS POSSIBLE.
- 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.
- UPON COMPLETION OF CONSTRUCTION ACTIVITIES, REMAINING AREAS SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED. PERMANENT VEGETATION AND LANDSCAPING SHALL BE ESTABLISHED.
- TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED ONCE UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED. REMOVAL OF TEMPORARY EROSION CONTROL DEVICES SHALL BEGIN WITH THE MOST UPSTREAM PORTIONS OF THE SITE THEN WORKING DOWNSTREAM.
- ALL NEWLY SEEDDED VEGETATIVE COVER SHALL BE MAINTAINED. WASHOUTS OR POORLY GROWING AREAS SHALL BE CORRECTED AS THEY OCCUR.

GENERAL EROSION CONTROL NOTES

- 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.

MAINTENANCE REQUIREMENTS

- THE MAINTENANCE OF EROSION CONTROL DEVICES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE JOB SUPERINTENDENT WILL MONITOR THE CONDITION OF ALL THE DEVICES, CLEAN AND REPLACE STRUCTURES AS CLIMATIC CONDITIONS REQUIRE. THE DEVELOPER WILL ALSO BE SUBJECT TO THE DIRECTIVE 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 AS CONDITIONS MAY ARISE IN 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 TOWN REPRESENTATIVES INCLUDING TOWN ENGINEER, HIGHWAY SUPERINTENDENT AND BUILDING INSPECTOR.
- NO EROSION CONTROL STRUCTURES SHALL BE REMOVED UNTIL ALL WORK UPSTREAM THEREFROM HAS BEEN COMPLETED, INCLUDING STABILIZATION AND APPROVED 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.

SLOPE STABILIZATION, SEEDING METHOD & MULCHING

SLOPES OF 4:1 OR GREATER (HORIZONTAL-VERTICAL)
- SLOPES 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 2000 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 SEED BY HYDROSEEDING OR BROADCASTING WITH THE MIXTURES AND RATES INDICATED ON THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2000 LBS/ACRE.
- HYDROSEEDED AREAS SHALL BE MULCHED WITH A WOOD FIBER MULCH APPLIED AT A RATE OF 500 LBS/ACRES.
- BROADCAST AREAS SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 2000 LBS/ACRE. AREAS SEED BY BROADCASTING SHALL BE LIGHTLY RAKED AND PACKED PRIOR TO PLACING MULCH.

STREAMS, DRAINAGE SWALES AND EMBANKMENTS

- 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 IMMEDIATELY DOWNSTREAM FROM SUCH ACTIVITY. THESE STRUCTURES ARE TO BE IN PLACE AS SHOWN PRIOR TO THE START OF ANY UPSTREAM CONSTRUCTION ACTIVITY.
- CONSTRUCTION EQUIPMENT SHALL NOT UNNECESSARILY CROSS LINE STREAMS OR DRAINAGE SWALES EXCEPT BY MEANS OF BRIDGES AND CULVERTS OR OTHER APPROVED METHODS.
- ALL EMBANKMENTS TO BE GRADED AND SEED 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. SILT FENCE WILL BE PLACED ALONG THE TOE OF THE PILES AND PILES SHALL RECEIVE TEMPORARY SEEDING.

SOIL RESTORATION NOTE:

TO INCREASE INFILTRATION OF STORM WATER AND IMPROVE DIRECT GROUNDWATER RECHARGE FROM RAIN EVENTS, SOIL RESTORATION PRACTICES, AS OUTLINED IN CHAPTER 5.1.6 OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, SHOULD BE APPLIED TO THE SITE. AERATION AND DEEP RIPPING PROCEDURES SHALL BE AS DESCRIBED IN APPENDIX 8 OF SWPPP, AND SHALL BE APPLIED TO ALL FLAT TO MODERATELY SLOPED AREAS OF SOIL DISTURBANCE WHICH ARE PROPOSED TO REMAIN PERVIOUS.

SEEDBED PREPARATION & AMENDMENTS

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS

- SCARIFY SOIL TO DEPTH OF 4" TO 6" IF COMPACTED.
- REMOVED LARGE STONES AND STUMPS ALLOWING ROCKS, ROOTS CLOUDS AND OTHER NATURAL DEBRIS TO REMAIN.
- ROUGHEN SLOPE FACES BY MAKING GROVES 2"-3" DEEP, PERPENDICULAR TO THE SLOPE WITH DISK OR YORK RAKE.
- LIME AS REQUIRED TO ACHIEVE A pH OF 6.0.
- FERTILIZE AT A RATE OF 600 LBS/ACRE OF 5-10-10 FERTILIZER OR AS RECOMMENDED BY SOIL TESTS.
- INCORPORATE LIME AND FERTILIZER INTO TOP 4" OF SOIL BY ROUGHENING.

GENERAL RECREATION AREAS AND LAWNS

- 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.

TEMPORARY SEEDING SPECIFICATIONS

- SCARIFY SOILS IF COMPACTED
- LIME TO pH OF 6.0 IF REQUIRED
- FERTILIZE WITH 600 LBS/ACRE 5-10-10 FERTILIZER IF REQ.
- SEED WITH SPECIES AND RATE SHOWN BELOW
- MULCH WITH HAY OR STRAW AT A RATE OF 2000 LBS/ACRE.
- ANCHOR MULCH WITH NETTING OF WOOD FIBER OR JUTE IF STEEP SLOPE OR HIGH POTENTIAL FOR EROSION.

SPECIES	APPLICATION RATE
RYEGRASS (ANNUAL OR PERENNIAL)	30 LBS/ACRE
(USE WINTER RYE IF SEEDING IN OCT./NOV.)	(0.7 LBS/1000 SF)

PERMANENT SEEDING MIXTURES

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS

SPECIES	APPLICATION RATE
EMPIRE BIRDSFOOT TREFOLI	8 LBS/ACRE
TALL FESCUE	20 LBS/ACRE
RYEGRASS	5 LBS/ACRE

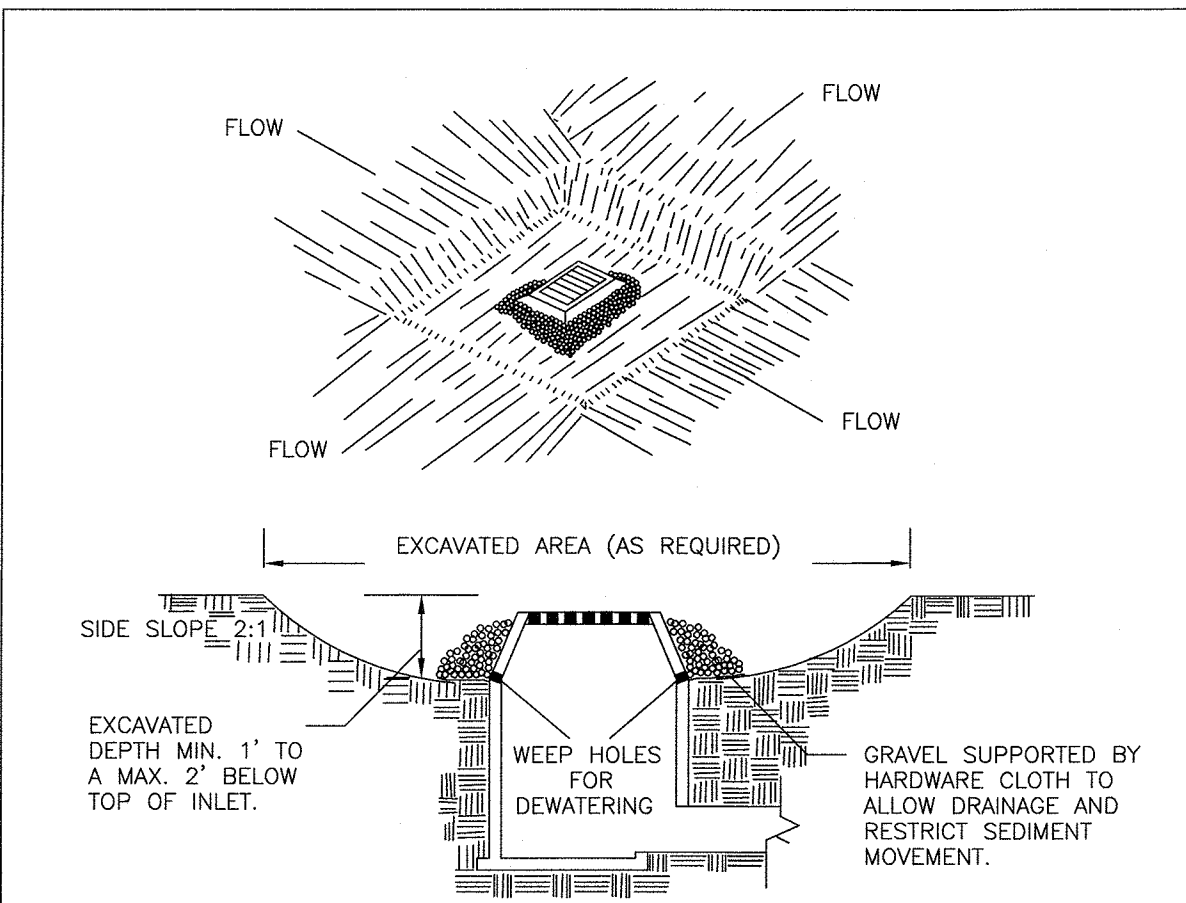
GENERAL RECREATION AREAS AND LAWNS

SPECIES	APPLICATION RATE
SUNNY SITES (WELL, MODERATELY WELL AND SOMEWHAT POORLY DRAINED SOILS)	
65% KENTUCKY BLUEGRASS BLEND	85-114 LBS/ACRE
20% PERENNIAL RYEGRASS	26-35 LBS/ACRE
15% FINE FESCUE	19-26 LBS/ACRE

SUNNY DROUGHTY SITES (SOMEWHAT EXCESSIVELY TO EXCESSIVELY DRAINED SOILS)	
65% FINE FESCUE	114-143 LBS/ACRE
15% PERENNIAL RYEGRASS	26-33 LBS/ACRE
20% KENTUCKY BLUEGRASS BLEND	35-44 LBS/ACRE

SHADY DRY SITES (WELL TO SOMEWHAT POORLY DRAINED SOILS)	
80% SHADE TOLERANT KENTUCKY BLUEGRASS BLEND	105-138 LBS/ACRE
20% PERENNIAL RYEGRASS	25-37 LBS/ACRE

SHADY WET SITES (SOMEWHAT POOR TO POORLY DRAINED SOILS)	
70% ROUGH BLUEGRASS	60-91 LBS/ACRE
80% SHADE TOLERANT KENTUCKY BLUEGRASS BLEND	25-39 LBS/ACRE

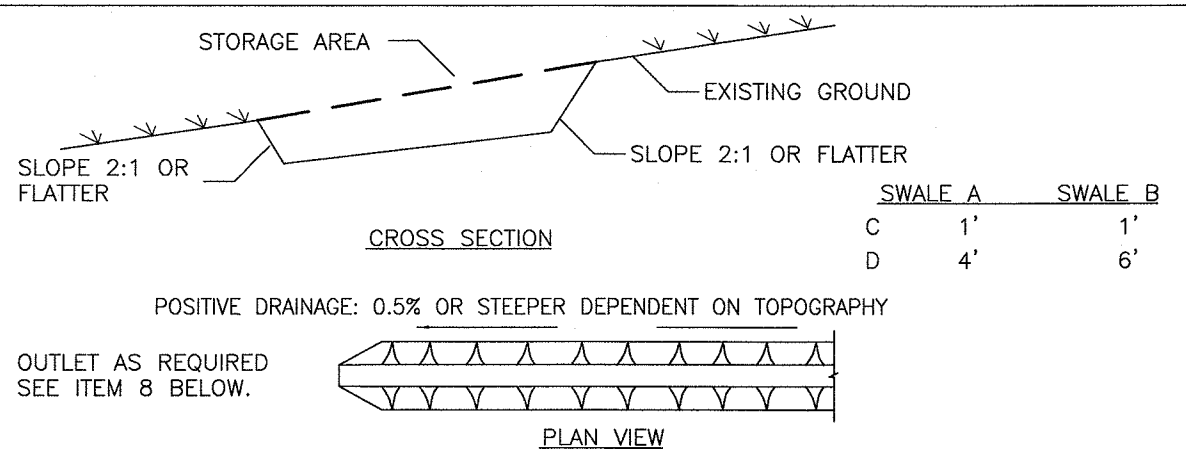


CONSTRUCTION SPECIFICATIONS

- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
- GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
- WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
- UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

MAXIMUM DRAINAGE AREA 1 ACRE

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	EXCAVATED DROP INLET PROTECTION
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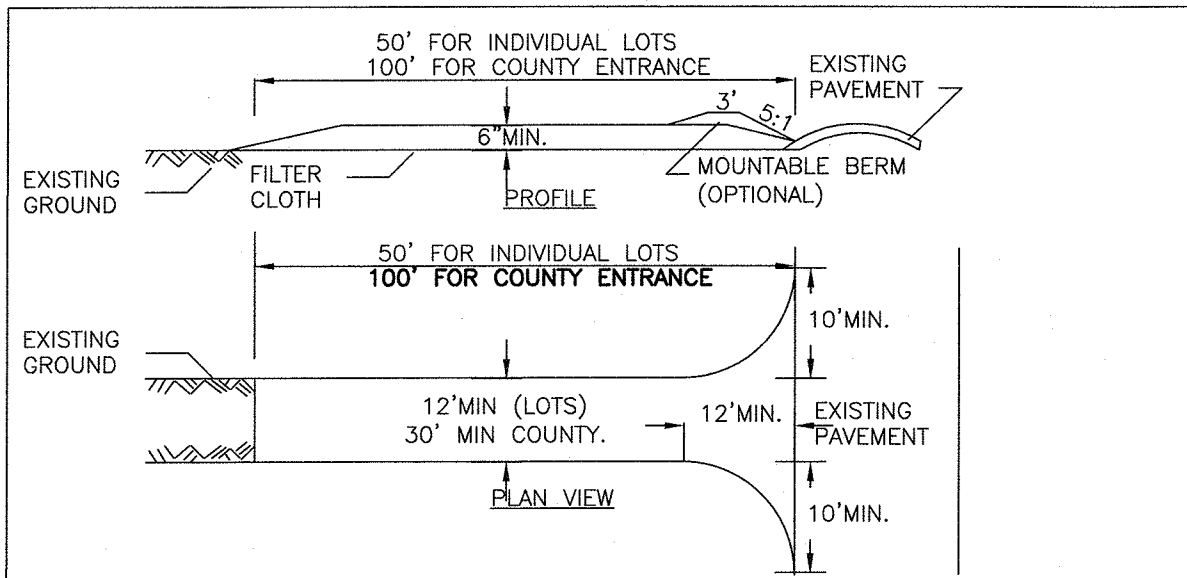


CONSTRUCTION SPECIFICATIONS

- ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
- DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
- THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
- FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
- ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
- STABILIZATION SHALL BE AS PER THE FLOW CHANNEL STABILIZATION CHART BELOW:

TYPE OF TREATMENT	CHANNEL GRADE	A/S AC. OR LESS	B/S AC. - 10AC
1	0.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELSIOR
3	5.1-8.0%	SEED WITH JUTE OR EXCELSIOR, SOD	LINED WITH 4-8" RIP-RAP OR RECYCLED CONCRETE EQUIVALENT
4	8.1-20.0%	LINED WITH 4-8" RIP-RAP	ENGINEERED DESIGN

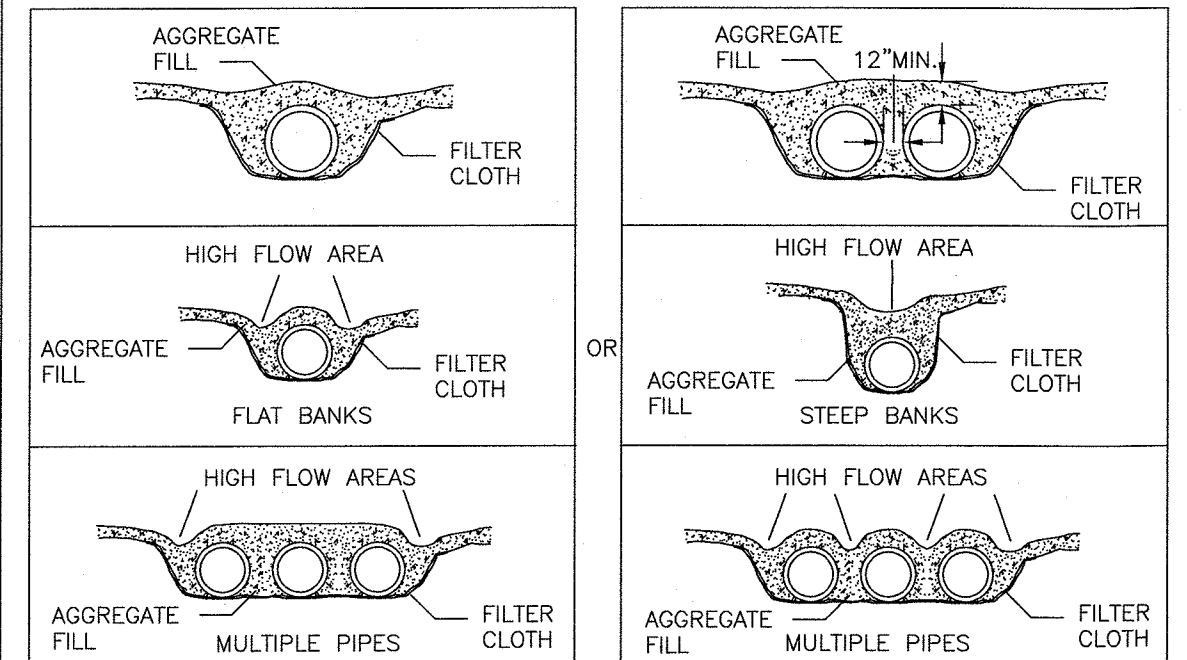
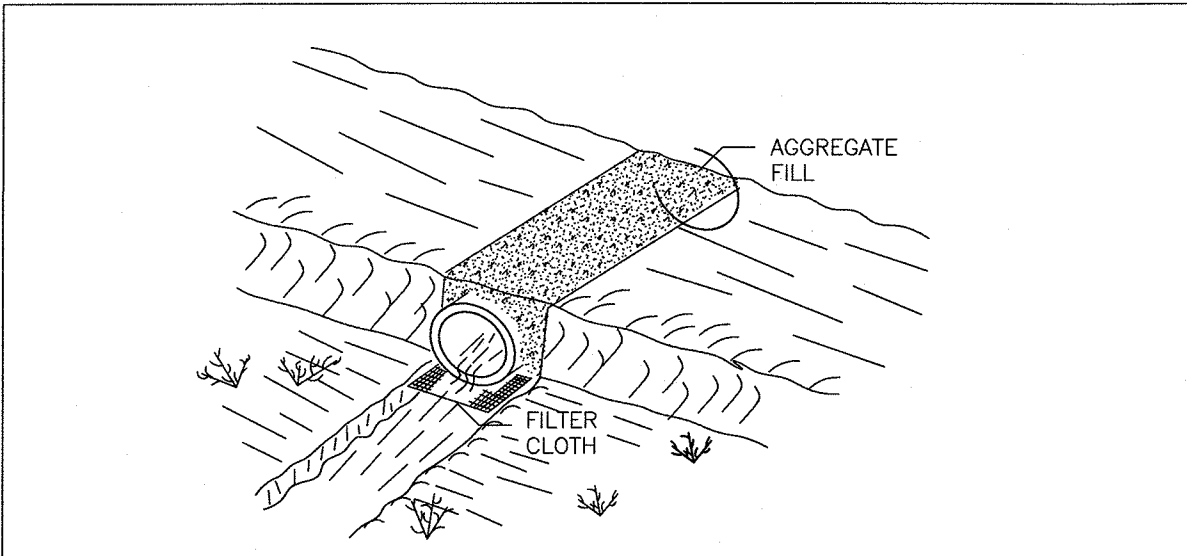
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	TEMPORARY SWALE
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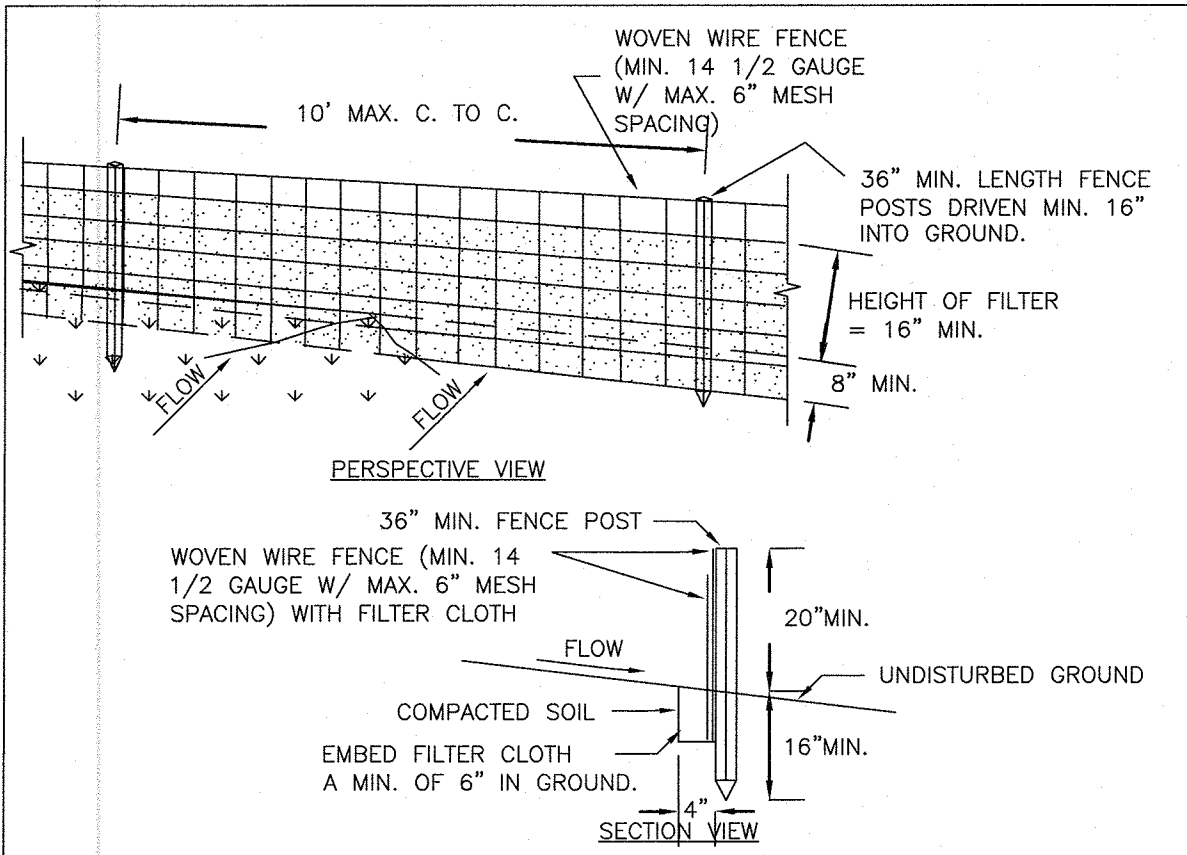
CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	STABILIZED CONSTRUCTION ENTRANCE
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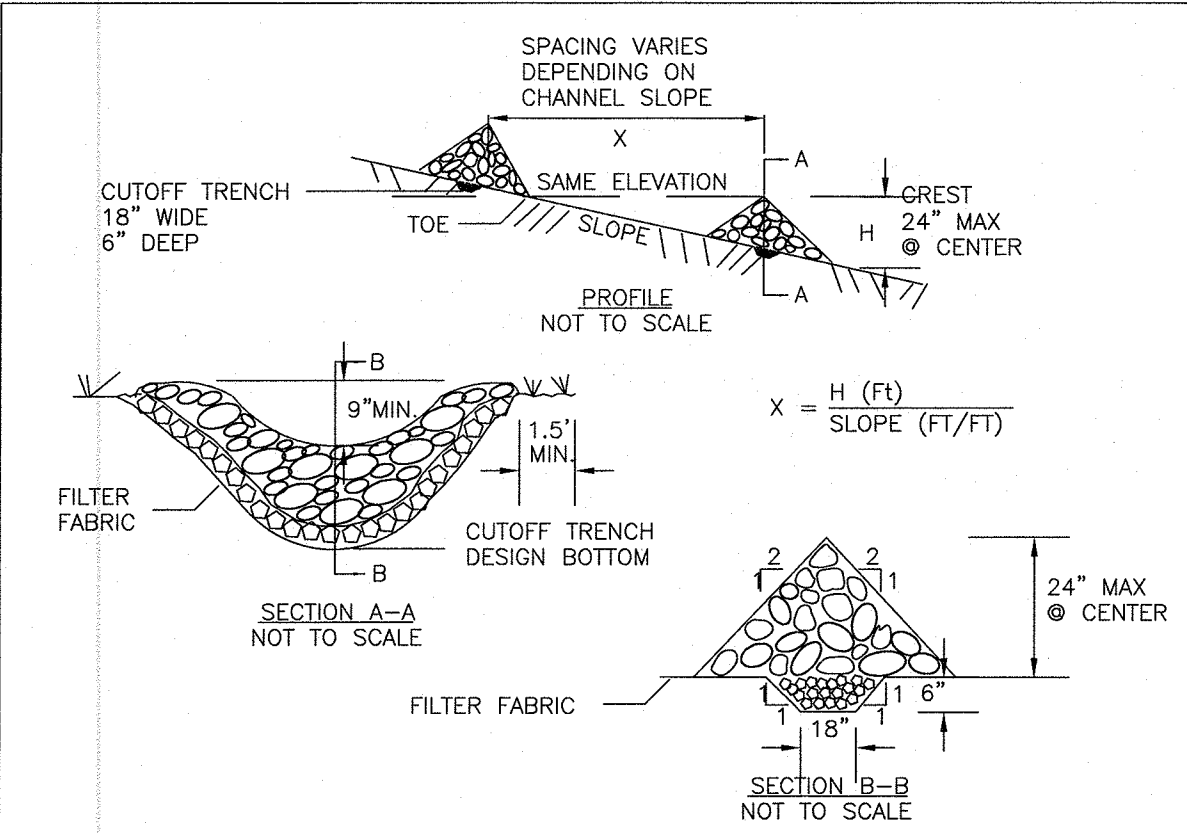
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	TEMPORARY ACCESS CULVERT
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CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

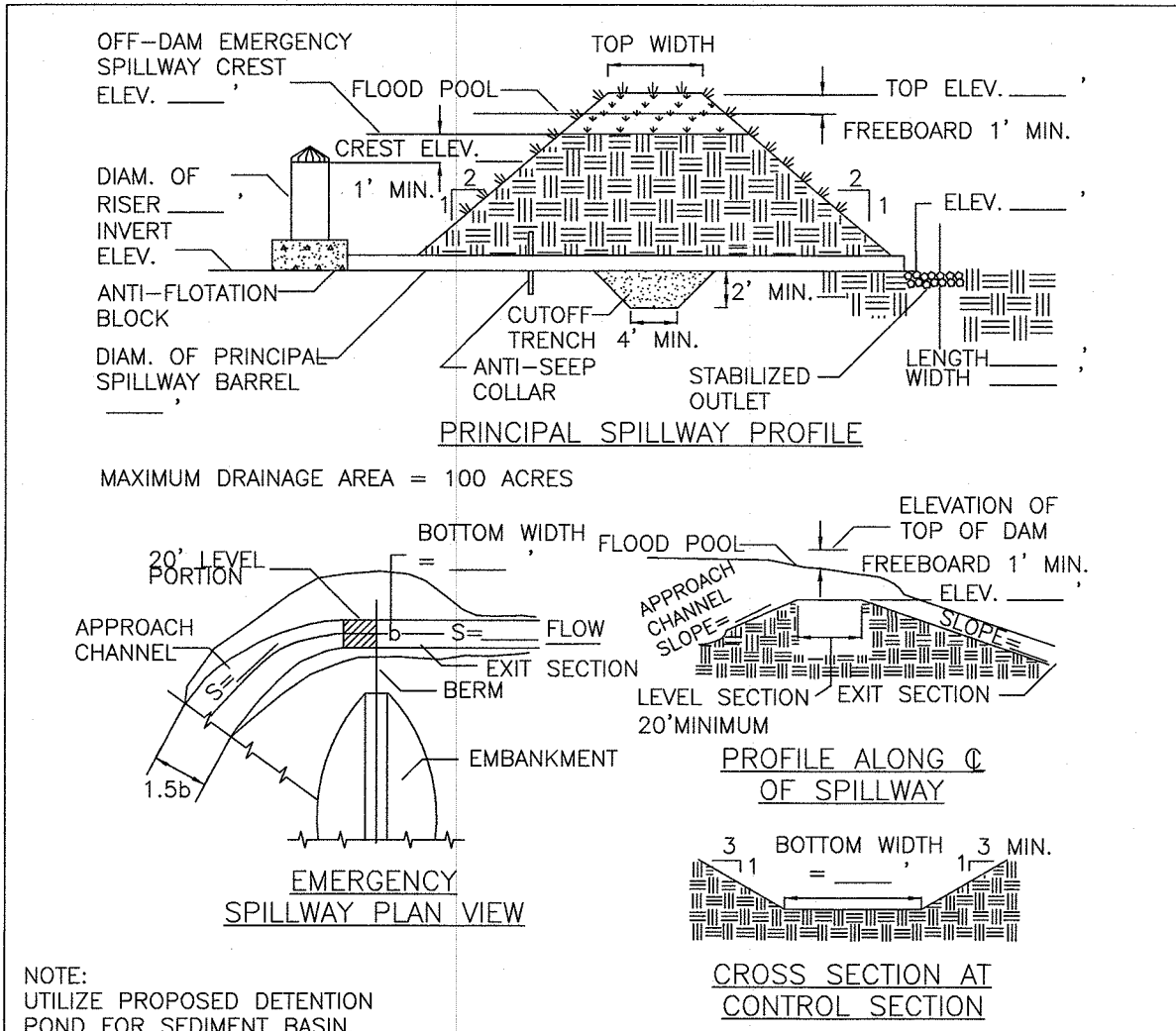
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	SILT FENCE
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CONSTRUCTION SPECIFICATIONS

- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
- SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	CHECK DAM
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BASIN #	DRAINAGE AREA (ACRE)	REQUIRED VOLUME PER TRIB ACRE (CU.FT.)	REQUIRED BASIN VOLUME (CU.FT.)	PROVIDED BASIN VOLUME (CU.FT.)
DETENTION POND	11.31	3,600	40,716	216,640

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	SEDIMENT BASIN DETAILS
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REVISIONS		
06-28-16	REVISIONS AS PER O.C.H.D. COMMENT LETTER	NR
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12-05-13	CLUSTER SKETCH PLAN PREPARATION DATE	JJP
DATE	DESCRIPTION	INITIALS
REVISIONS		
MAP CHECK DATE: 03-31-16	INITIALED BY:	NR

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) 796-6646

MICHAEL F. CROGAN P.E.
LICENSE NO. 050323
SIGNATURE: _____ DATE: 06-28-16

WOODRIDGE CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK
PROJECT TITLE

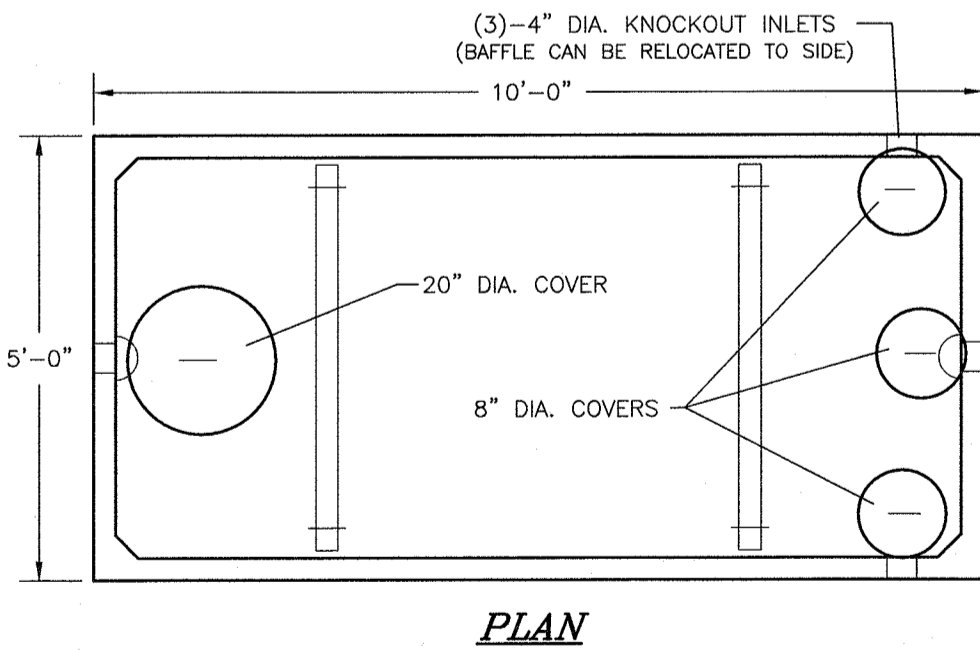
EROSION CONTROL DETAILS		
SECTION 8 BLOCK 1 LOT 50.2		
DRAWING TITLE	D.E.C. SHEET NO.	DRAWING NUMBER
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.	N/A. OF 6	10 OF 15
O.C.H.D. SHEET NO.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A. OF 6	N/A. OF 6	10 OF 15
SCALE	CAD REFERENCE	PROJECT NUMBER
NO SCALE	14102 ENG BASE	14102.01

THIS SHEET IS NOT FOR ORANGE COUNTY HEALTH DEPARTMENT REVIEW OR APPROVAL

RESERVED FOR TOWN PLANNING BOARD APPROVAL

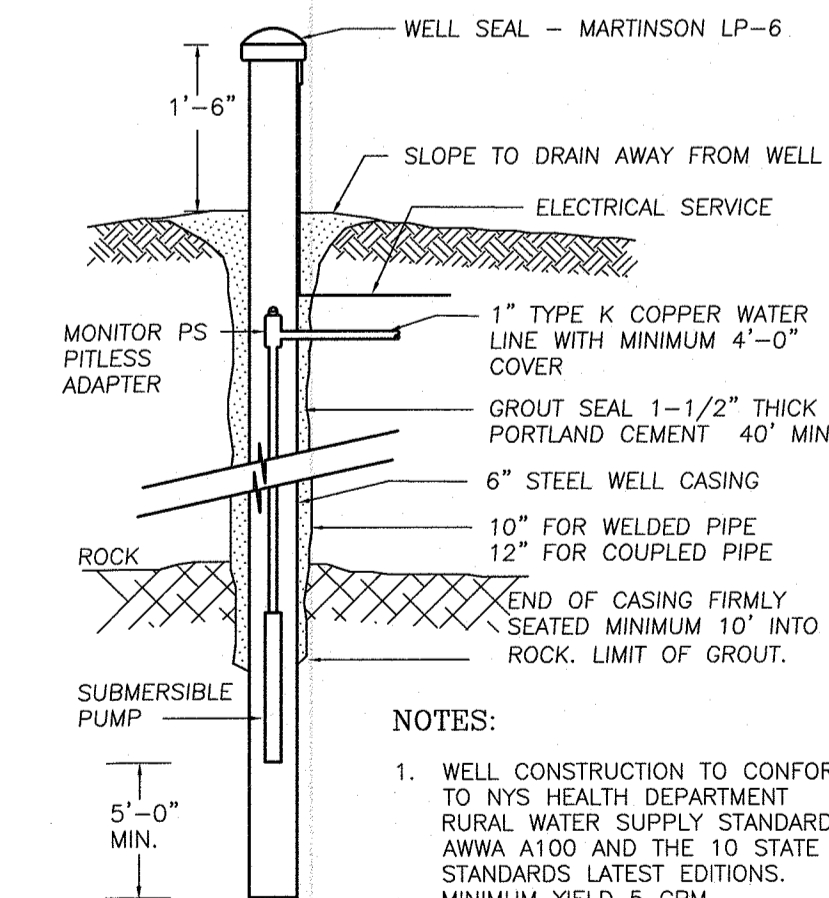
LOT #	DEEP TEST PIT #1 RESULTS	DEEP TEST PIT #2 RESULTS	WITNESSED DEEP TEST PIT RESULTS	PERC RATE	SEPTIC SYSTEM DESIGN
1	0"-10" TOPSOIL 10"-72" LIGHT BROWN SANDY LOAM WITH TRACE GRAVEL NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-8" TOPSOIL 8"-48" LIGHT BROWN SANDY LOAM WITH TRACE GRAVEL 48"-78" DARK BROWN SAND WITH TRACE LOAM NO MOTTLING, NO BEDROCK, NO GROUNDWATER		PT1: 9 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24" WPT: 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
2	0"-8" TOPSOIL 8"-42" LIGHT BROWN SANDY LOAM WITH RIPPABLE SHALE 42"-75" DARK BROWN LOAM WITH GRAVEL AND RIPPABLE SHALE ⊗ 28" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-8" TOPSOIL 8"-62" LIGHT BROWN SANDY LOAM WITH LARGE ROCKS AND RIPPABLE SHALE ⊗ 24" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-11" TOPSOIL 11"-65" LIGHT BROWN SANDY LOAM WITH RIPPABLE SHALE, STONES, COBBLES ⊗ 48" RIPPABLE SHALE ⊗ 65" BEDROCK NO MOTTLING, NO GROUNDWATER	PT1: 12 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24"	CONVENTIONAL SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 297 L.F. TOTAL DESIGNED: 8 LATERALS @ 39", 312 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
3	0"-6" TOPSOIL 6"-48" BROWN SILTY LOAM WITH GRAVEL 48"-72" DARK BROWN LOAM WITH GRAVEL, LARGE ROCKS AND RIPPABLE SHALE ⊗ 36" MOTTLING NO BEDROCK, NO GROUNDWATER	0"-12" TOPSOIL 12"-60" BROWN SANDY LOAM WITH GRAVEL AND RIPPABLE SHALE ⊗ 40" MOTTLING NO BEDROCK, NO GROUNDWATER		PT1: 9 MIN. DEPTH: 24" PT2: 3 MIN. DEPTH: 24"	CONVENTIONAL SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 264 L.F. TOTAL DESIGNED: 6 LATERALS @ 47", 282 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
4	0"-6" TOPSOIL 6"-42" LIGHT BROWN LOAM WITH GRAVEL 42"-72" SAND WITH TRACE GRAVEL NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-8" TOPSOIL 8"-72" LIGHT BROWN SILTY LOAM WITH LARGE ROCKS, GRAVEL AND RIPPABLE SHALE ⊗ 28" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER		PT1: 16 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24"	CONVENTIONAL SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 339 L.F. TOTAL DESIGNED: 10 LATERALS @ 36", 360 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
5	0"-6" TOPSOIL 6"-66" LIGHT BROWN SILTY LOAM WITH LARGE ROCKS AND RIPPABLE SHALE ⊗ 36" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-6" TOPSOIL 6"-72" BROWN SILTY LOAM WITH GRAVEL AND RIPPABLE SHALE ⊗ 18" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER		PT1: 13 MIN. DEPTH: 24" PT2: 14 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 99 L.F. TOTAL DESIGNED: 3 LATERALS @ 36", 108 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
6	0"-8" TOPSOIL 8"-24" BROWN SILTY LOAM WITH GRAVEL AND RIPPABLE SHALE 24"-66" DARK BROWN LOAM WITH TRACE SAND AND RIPPABLE SHALE ⊗ 42" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-6" TOPSOIL 6"-60" DARK BROWN SILTY LOAM WITH GRAVEL AND RIPPABLE SHALE ⊗ 36" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-8" TOPSOIL 8"-60" LIGHT BROWN SANDY LOAM WITH SMALL STONES 60"-96" FRAGMENTED ROCK WITH SANDY LOAM ⊗ 48" MOTTLING NO BEDROCK, NO GROUNDWATER	PT1: 4 MIN. DEPTH: 24" PT2: 2 MIN. DEPTH: 24" WPT: 2 MIN. DEPTH: 24"	CONVENTIONAL SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 198 L.F. TOTAL DESIGNED: 8 LATERALS @ 26", 208 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
7	0"-10" TOPSOIL 10"-72" DARK BROWN SILTY LOAM WITH TRACE SAND, GRAVEL, AND RIPPABLE SHALE ⊗ 60" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-6" TOPSOIL 6"-42" LIGHT BROWN SANDY LOAM WITH GRAVEL 42"-72" SANDY GRAVEL WITH RIPPABLE SHALE ⊗ 60" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER		PT1: 2 MIN. DEPTH: 24" PT2: 3 MIN. DEPTH: 24"	CONVENTIONAL SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 198 L.F. TOTAL DESIGNED: 8 LATERALS @ 26", 208 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
8	0"-12" TOPSOIL 12"-72" LIGHT BROWN SANDY LOAM WITH TRACE CLAY AND GRAVEL ⊗ 60" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-10" TOPSOIL 10"-30" DARK BROWN LOAM WITH GRAVEL & TRACE CLAY 30"-65" DARK BROWN SANDY LOAM WITH RIPPABLE SHALE ⊗ 48" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-10" TOPSOIL 10"-48" LIGHT BROWN SANDY LOAM WITH STONES AND COBBLES 48"-64" RIPPABLE SHALE ⊗ 64" BEDROCK NO MOTTLING, NO GROUNDWATER	PT1: 2 MIN. DEPTH: 24" PT2: 10 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"-12" TOPSOIL 12"-60" BROWN SILTY LOAM WITH TRACE SAND, GRAVEL, AND RIPPABLE SHALE ⊗ 24" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-10" TOPSOIL 10"-36" LIGHT BROWN LOAM WITH TRACE SAND 36"-66" DARK BROWN SANDY LOAM WITH RIPPABLE SHALE ⊗ 48" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER		PT1: 12 MIN. DEPTH: 24" PT2: 4 MIN. DEPTH: 24" WPT: 3 MIN. DEPTH: 24"	ELJEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 475 GAL/DAY) REQUIRED: 99 L.F. TOTAL DESIGNED: 4 LATERALS @ 28", 112 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
10	0"-10" TOPSOIL 10"-54" LIGHT BROWN SANDY LOAM WITH GRAVEL AND RIPPABLE SHALE ⊗ 18" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-10" TOPSOIL 10"-40" LIGHT BROWN LOAM WITH LARGE ROCKS 40"-66" BROWN LOAM WITH GRAVEL AND RIPPABLE SHALE ⊗ 30" HIT RIPPABLE SHALE NO MOTTLING, NO BEDROCK, NO GROUNDWATER		PT1: 3 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

1. PERCOLATION TESTS WERE PERFORMED BY PIETRZAK & PFAU, INC. ON 5/23/14, 5/27/14.
2. PERCOLATION TESTS WERE PERFORMED AT A DEPTH OF 24" UNLESS NOTED OTHERWISE.
3. ONE PERCOLATION TEST WAS WITNESSED ON LOTS 1, 6, 9 AND ONE DUMP TEST WAS WITNESSED ON LOTS 2, 6 & 9 BY THE ORANGE COUNTY HEALTH DEPARTMENT ON 6/6/14, 6/10/14, 2016.
4. DEEP TEST PITS WERE WITNESSED BY PIETRZAK & PFAU, INC. ON 6/6/14.
5. SEPTIC SYSTEM DESIGN BASED ON 110 GALLONS PER BEDROOM PER DAY.
6. SEPTIC SYSTEM DESIGN FOR 4 BEDROOM MAXIMUM DWELLING UNLESS NOTED OTHERWISE.
7. ALL SEPTIC SYSTEM DESIGNS INCLUDE 35 GALLONS PER DAY OF BACKFLOW FOR THE TOTAL WATER DEMAND. MAXIMUM DAILY DISCHARGE IS 100 GALLONS PER DAY.
8. SURFACE WATER DIVERSION SHELDS ARE REQUIRED ON ALL LOTS.



1. BUILDING SEWER TO BE SCHEDULE 80 PVC.
2. SEPTIC TANK TO BE INSTALLED A MINIMUM OF TEN (10) FEET FROM BUILDING FOUNDATION.
3. LOCATION OF TANK TO BE SET IN GROUND DIRECTLY ABOVE THE INLET AND COVER.
4. SEPTIC TANK TO BE COVERED WITH EARTH TO A MINIMUM DEPTH OF 6" AND A MAXIMUM DEPTH OF 12".
5. PROJECT SPECIFICS TO REACH 4000 PSI STRENGTH @ 28 DAYS. TANK CONSTRUCTION JOINTS TO BE SEALED WITH BUTYL RUBBER BASE CEMENT.
6. INLET INVERT TO BE 3" HIGHER THAN OUTLET INVERT.
7. INLET AND OUTLET JOINTS TO BE SEALED WITH PORTLAND CEMENT GROUT.
8. PORTLAND CEMENT SEPTIC TANK TO BE AS MANUFACTURED BY WOODWARD'S CONCRETE PRODUCTS, INC. MODEL ST1250 OR EQUAL.
9. 3" MINIMUM OF SAND, PEA GRAVEL OR TRENCH AGGREGATE FOR BEDDING.
11. SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.

The diagram illustrates a cleanout detail for a sewer line. It shows a vertical pipe section with a cleanout fitting at the top, labeled "CLEANOUT FITTING WITH SCREW TYPE CAP". The pipe then bends at a 45-degree angle, labeled "45° BEND", and continues as a horizontal pipe. A wye fitting is shown where the horizontal pipe branches off to the right, labeled "WYE FITTING". The main horizontal pipe has an arrow indicating "FLOW" to the right. The top of the vertical pipe is at "GRADE". The entire diagram is titled "CLEANOUT DETAIL" in large, bold, italicized letters, with "N.T.S." (Not To Scale) on the left and "C9050815" on the right.



1. WELL CONSTRUCTION TO CONFORM TO THE HEALTH DEPARTMENT RURAL WATER SUPPLY STANDARDS, AWWA 100 AND THE 10 STATE STANDARDS LATEST EDITIONS.
2. MINIMUM YIELD = 5 GPM IN THE TOP 6 CASING MINIMUM 24" ABOVE THE 100 YEAR FLOOD LEVEL.
3. ANTICIPATED DEPTHS OF WELL CASINGS ARE 40' AND THROUGH BED ROCK.
4. DIAMETER OF DRILL HOLES TO BE 10"-12" THROUGH OVERBURDEN, AND 6" THROUGH ROCK.
5. IF WATER IS ENCOUNTERED AT A DEPTH OF LESS THAN 50 FEET, THE MINIMUM CASING AND REQUIREMENT SHALL BE 50 FEET.

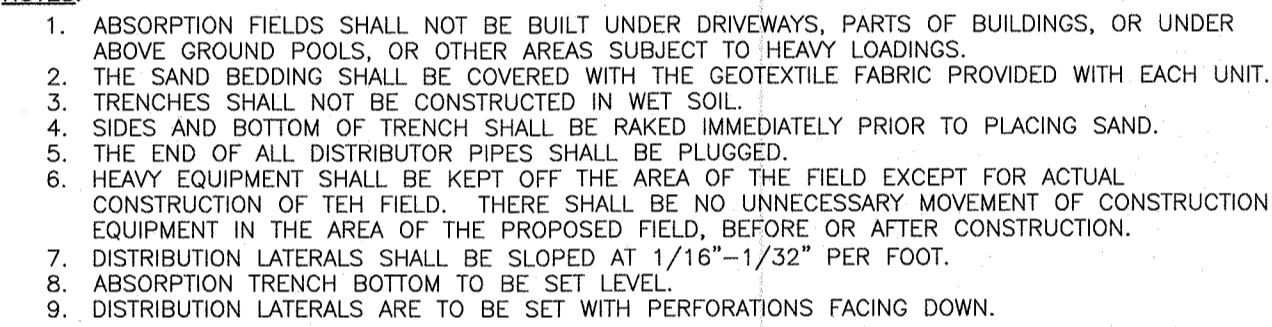
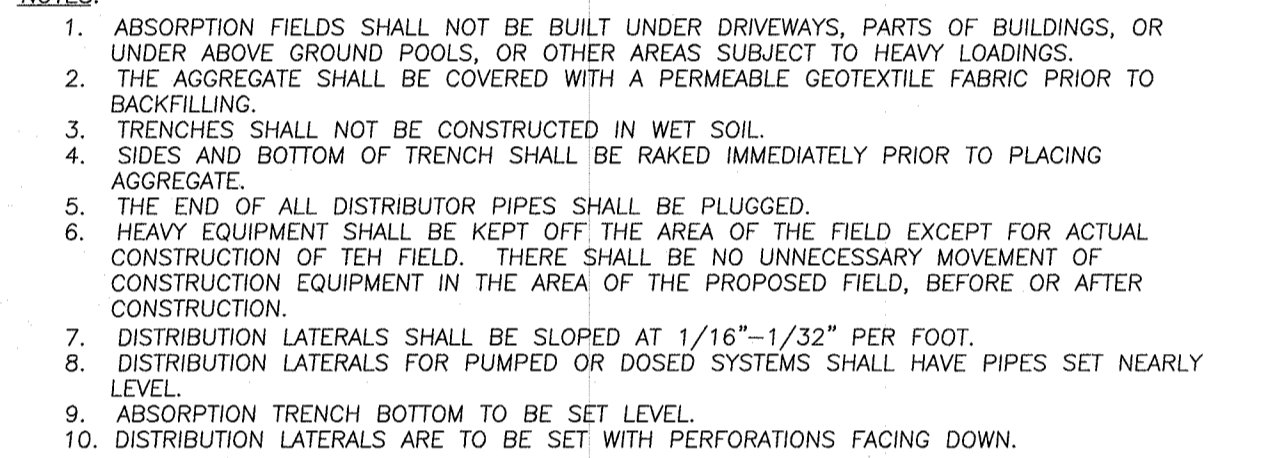


Diagram illustrating the dimensions and components of a brick and mortar affle (see Note 7):

- GRADE
- 6" MIN.
- 12" MAX.
- 1-1/2"
- BRICK AND MORTAR AFFLE (SEE NOTE 7)
- INLET
- 4" MIN.
- 5"



NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.


DATE	DESCRIPTION	INITIALS
REVISIONS		
MAP CHECK DATE: 03-31-16	INITIALED BY: NR	

FOR HEALTH DEPARTMENT APPROVAL

THE PROPOSED SEWAGE DISPOSAL SYSTEM(S) AND WATER SUPPLY SYSTEM(S) SHOWN ARE DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FOR RESIDENTIAL LOTS. THE DESIGN(S) ARE BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON THE LOT(S) AT THE DESIGN LOCATION AT THE TIME OF DESIGN.

PIETRZAK & PFAU
 ENGINEERING & SURVEYING, PLLC

262 GREENWICH AVENUE, SUITE A GOSHEN, NEW YORK 10924 (845) 294-0806	2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (845) 796-4646
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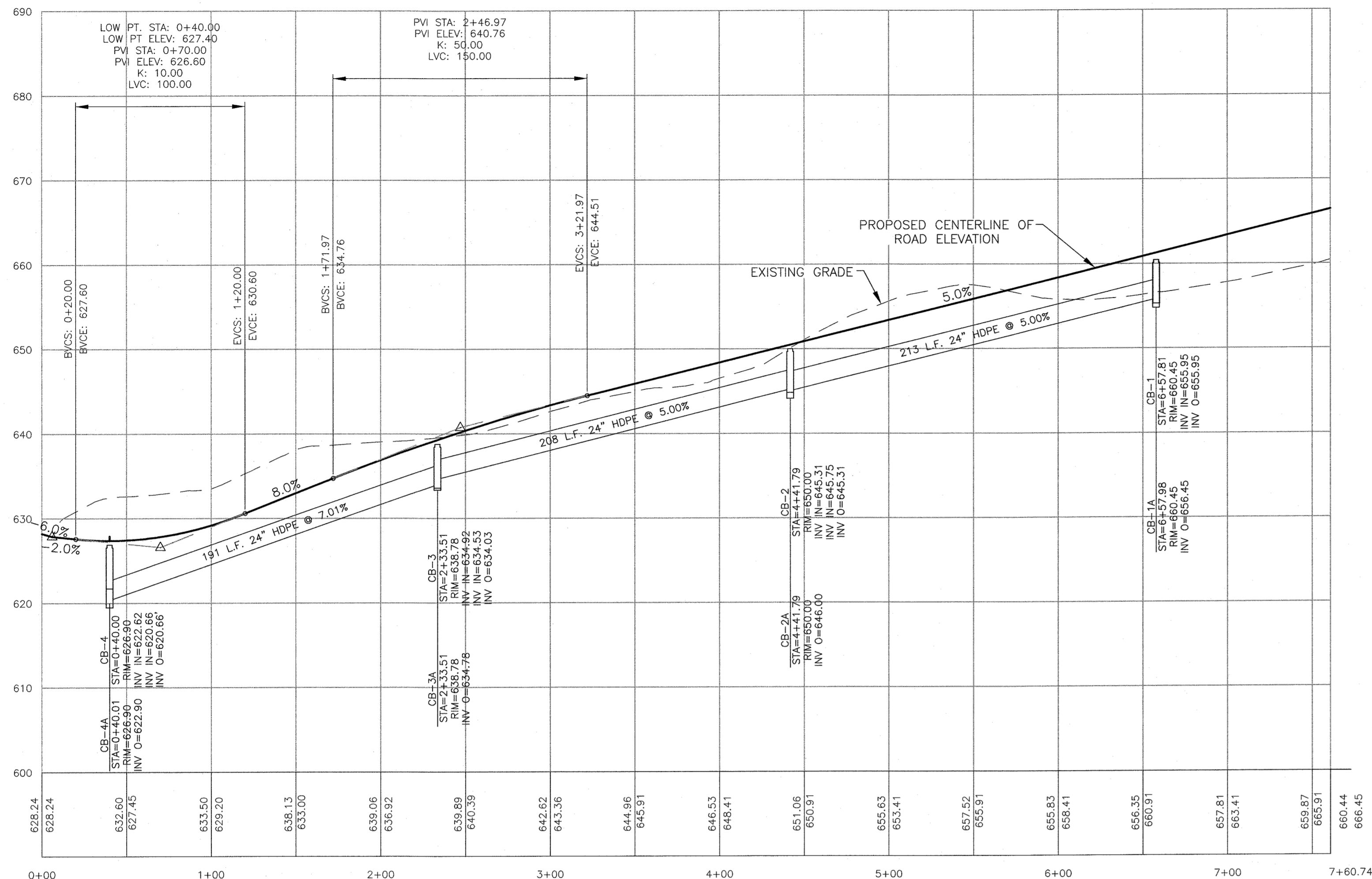

 JOSEPH P. PAULI
 P.E. LICENSE NO. 068945
 MICHAEL P. CREGAN P.E.
 LICENSE NO. 050323
 VINCENT A. PIETRZAK P.E. P.E.S. 1ERD@AP
 P.E. LICENSE NO. 078636
 P.E. LICENSE NO. 050075
 P.E. LICENSE NO. 35306
 UG-78-A
 SIGNATURE _____ DATE _____

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

SITE DETAILS

SECTION 8 BLOCK 1 LOT 50.2

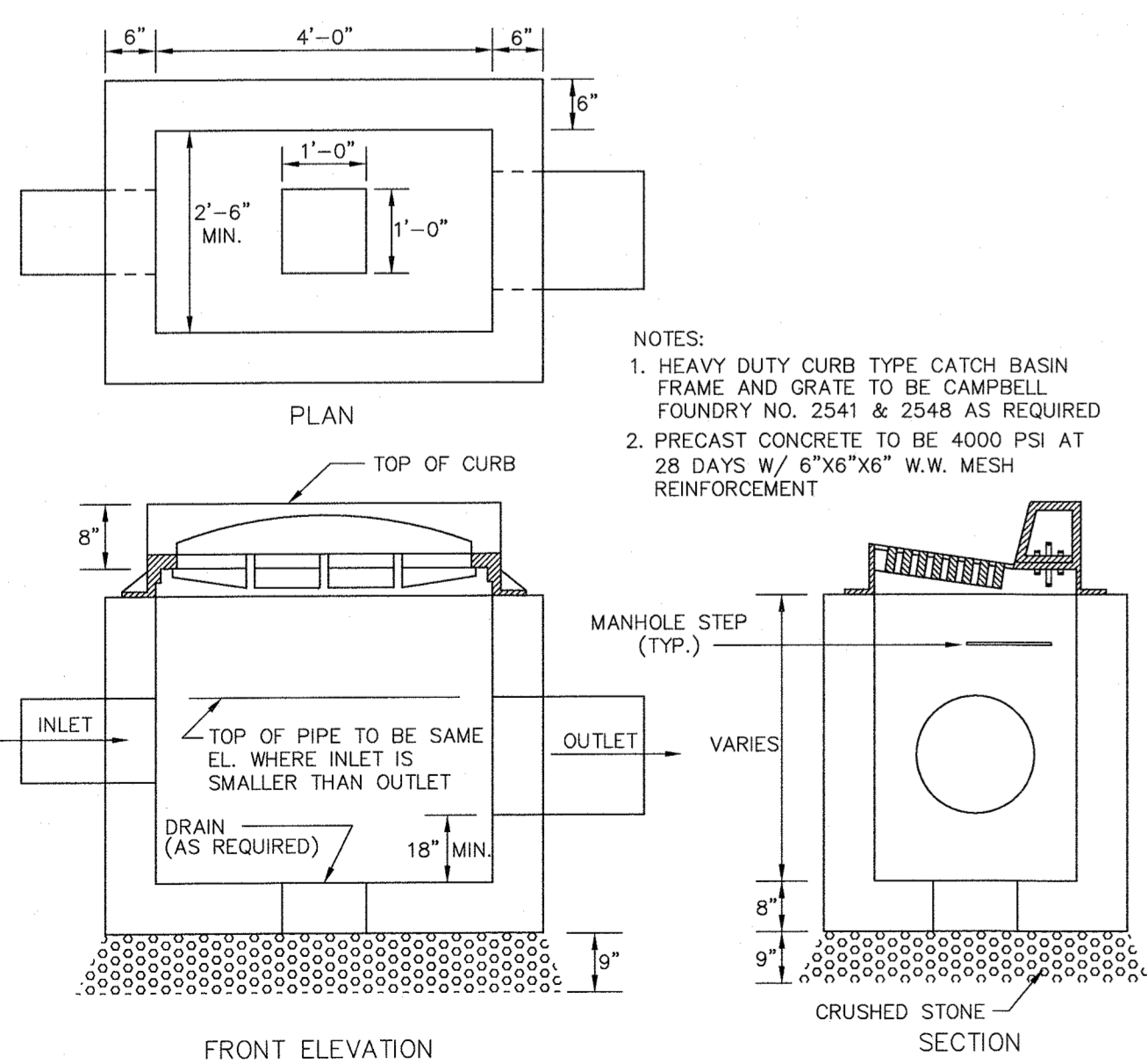
DRAWING TITLE		
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O.C.D. SHEET NO. 5 OF 6	D.E.C. SHEET NO. N/A OF	DRAWING NUMBER 11 OF 15
SCALE NO SCALE	CAD REFERENCE 14102 ENG BASE	PROJECT NUMBER 14102.01



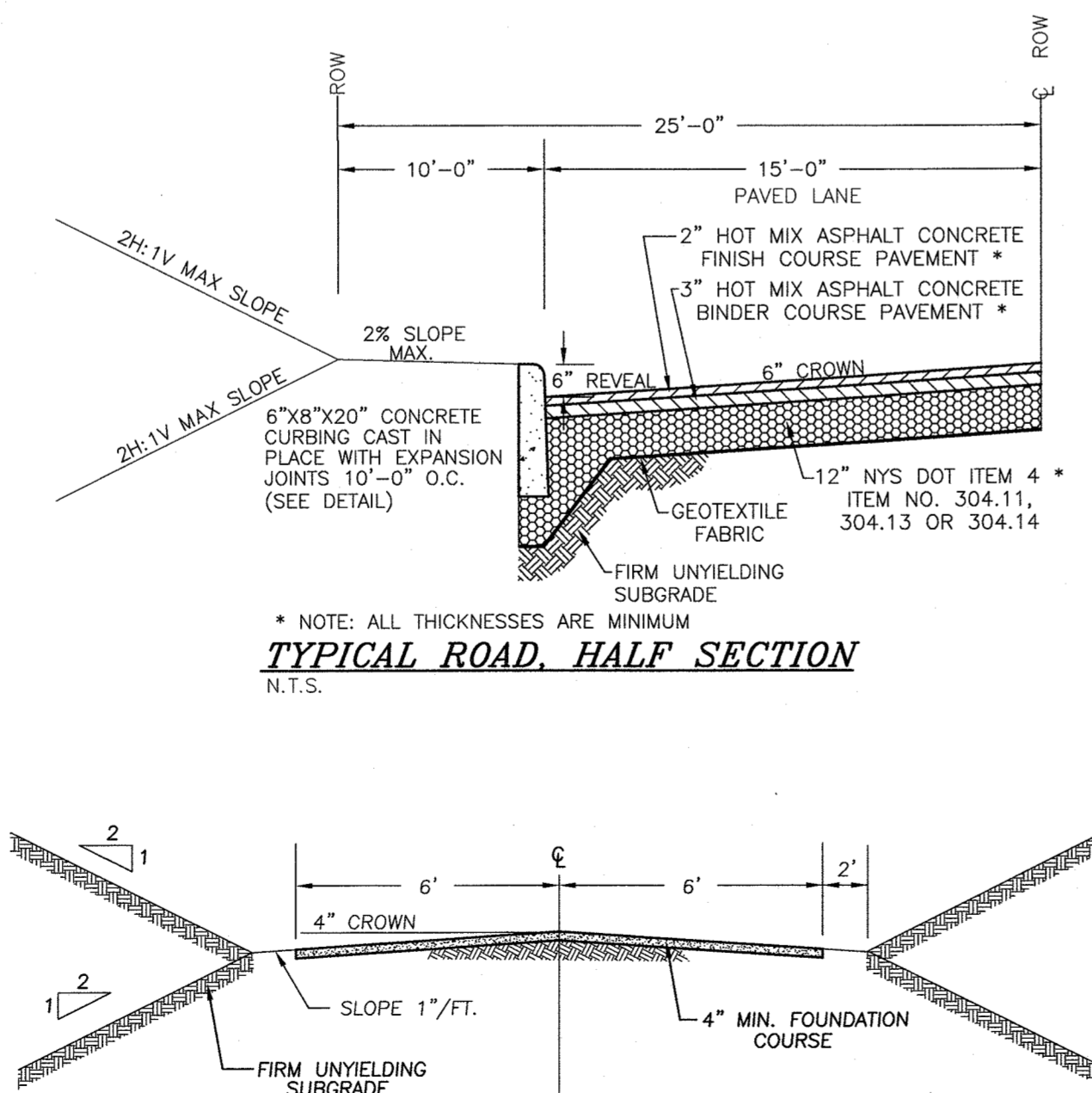
ROAD A PROFILE

SCALE:

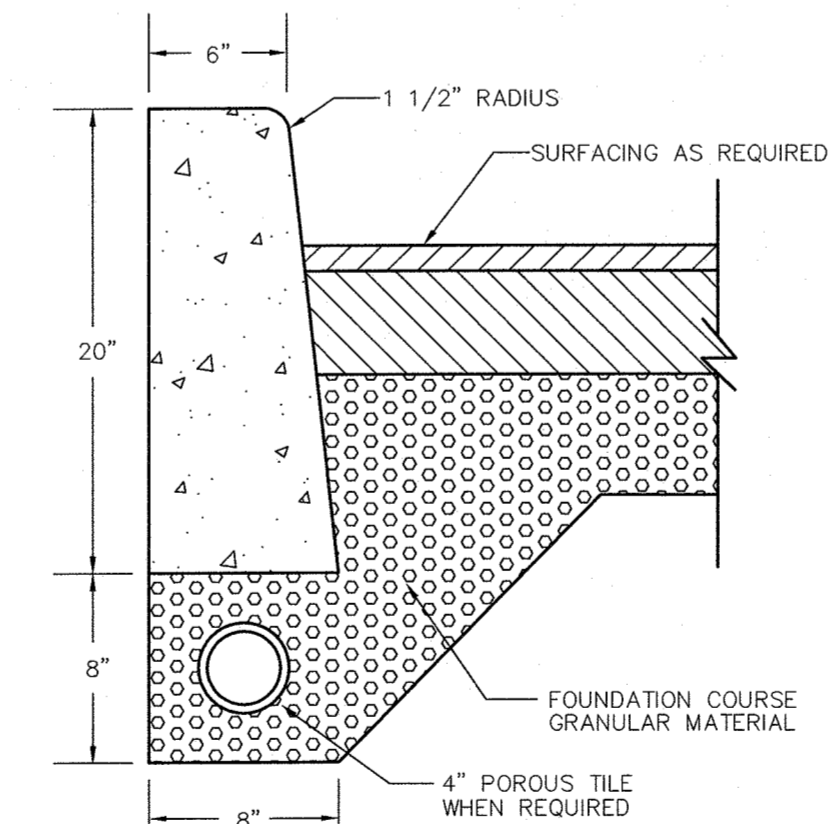
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



PRECAST CONCRETE CURB INLET DETAIL
N.T.S. CAD/CIV4

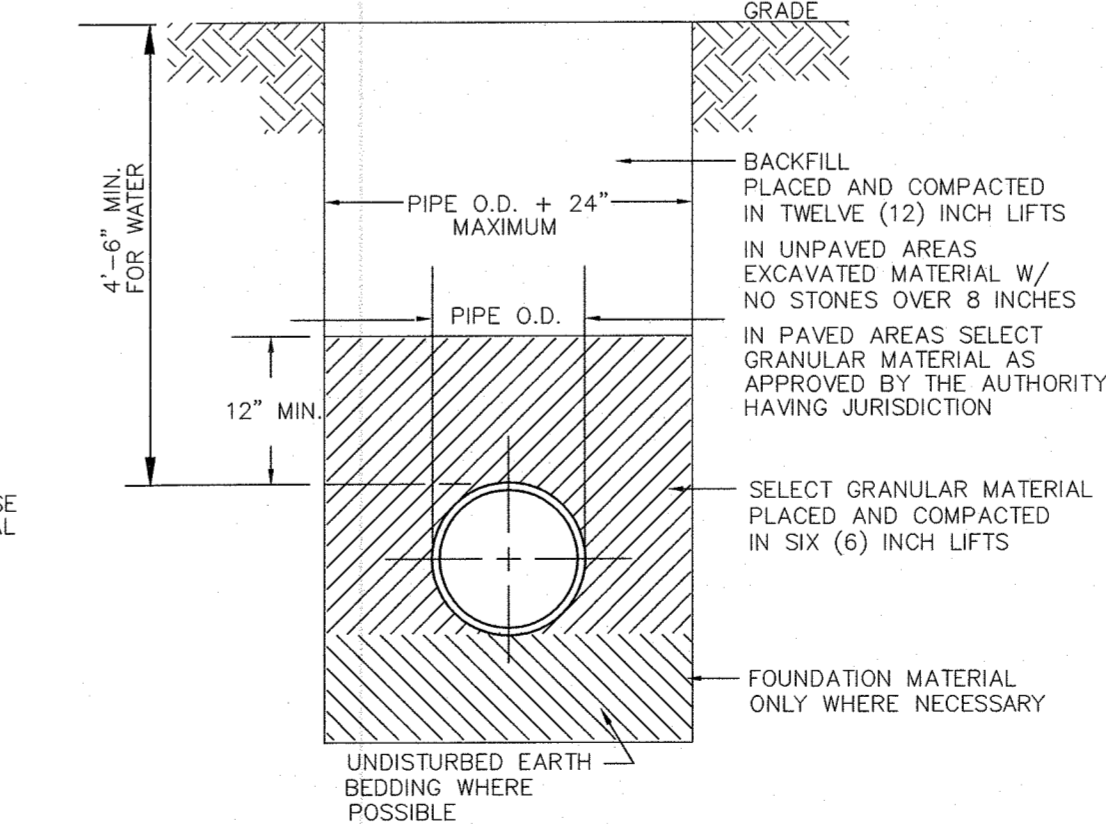


DRIVEWAY CROSS SECTION
N.T.S.

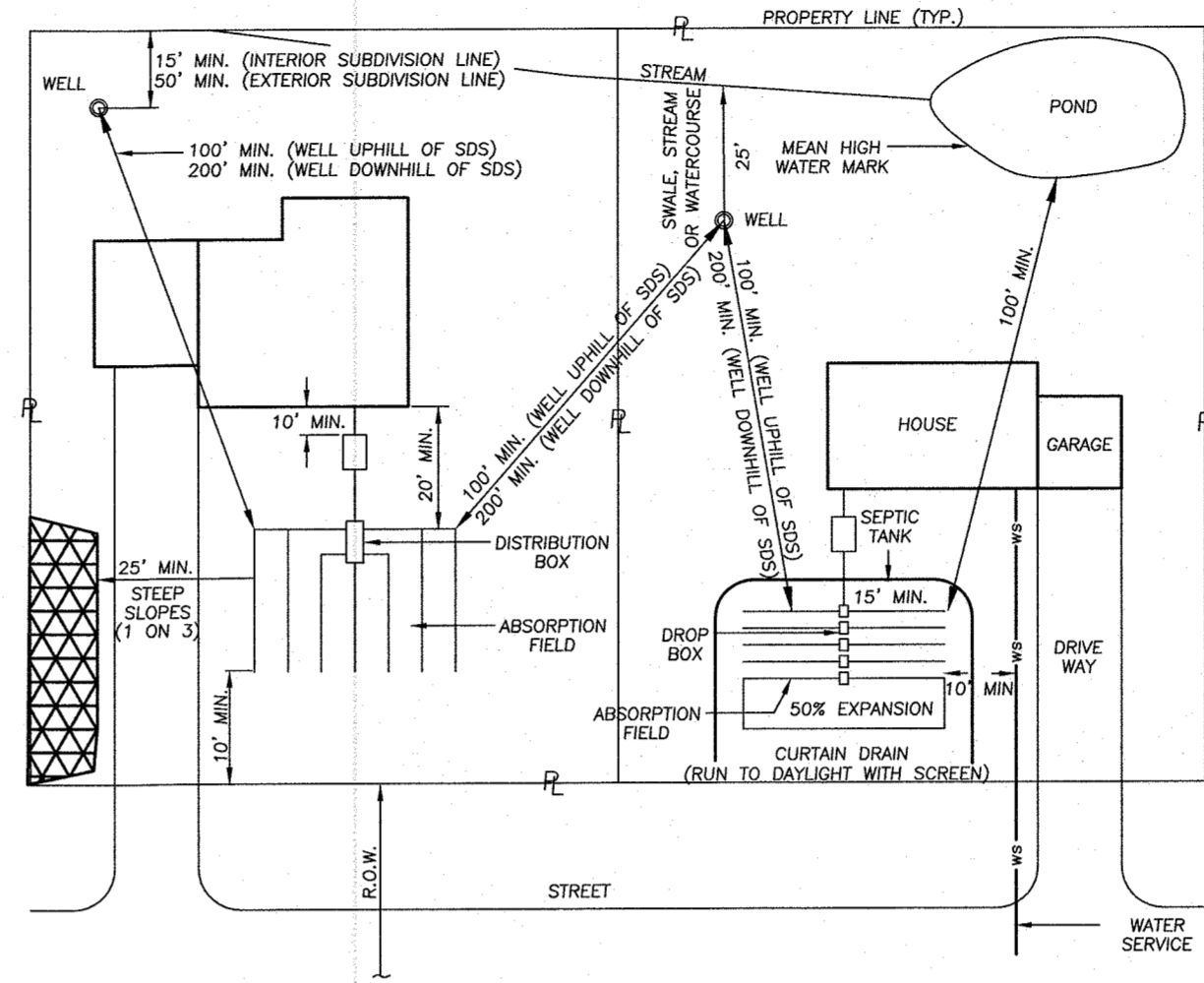


- NOTES:
- CURB SHALL BE CAST IN PLACE. EXPANSION JOINTS OF 3/16\"/>
 - CONCRETE TO TEST 4000 PSI AT 28 DAYS

CONCRETE CURB DETAIL
N.T.S.



PIPE BEDDING & BACKFILL DETAIL
N.T.S.



TYPICAL SEPARATION DISTANCE REQUIREMENTS
N.T.S. CAD/SDS39

GENERAL NOTES - SEWAGE SYSTEMS

- 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.
- THE SANITARY FACILITIES ON THESE PLANS SHALL BE INSPECTED FOR COMPLIANCE, WITH THE APPROVED PLANS, AT THE TIME OF CONSTRUCTION, BY A LICENSED PROFESSIONAL ENGINEER. WRITTEN CERTIFICATION TO THAT EFFECT SHALL BE SUBMITTED TO THE COUNTY HEALTH DEPARTMENT AND THE LOCAL BUILDING CODE ENFORCEMENT OFFICER PRIOR TO OCCUPANCY, AND SHALL INDICATE THAT ANY JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS AND THAT THE TANK IS INSTALLED IN ACCORDANCE WITH APPENDIX 75-A AND THE MANUFACTURER'S INSTRUCTIONS.
- SEPTIC FIELDS AND WELLS SHALL NOT BE RELOCATED.
- ALL PERCOLATION TESTS TAKEN AT 24\"/>
- SEPTIC SYSTEM DESIGNS ARE BASED ON THE SLOWEST PERCOLATION RATE FOUND WITHIN THE AREA OF THE SYSTEM.
- 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.
- UNLESS OTHERWISE INDICATED ON THESE PLANS, INDIVIDUAL SEPTIC TANKS ARE NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS.
- TRENCHES SHALL NOT BE CONSTRUCTED IN WET SOILS.
- SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED IMMEDIATELY PRIOR TO PLACING SAND.
- THE END OF ALL DISTRIBUTOR PIPES SHALL BE PLUGGED.
- HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE TILE FIELD EXCEPT FOR THE ACTUAL CONSTRUCTION OF THE FIELD. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE AREA OF THE PROPOSED FIELD BEFORE, DURING AND AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
- THERE IS NO REGRADING ALLOWED IN THE AREA OF THE ABSORPTION FIELD.
- NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES WHICH MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD.
- THIS SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, OR \"JACUZZI\" TYPE SPA TUBS OVER 100 GALLONS. AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SDS IS REDESIGNED TO ACCOUNT FOR THEM AND REAPPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH.
- THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE HOUSE, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.

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).
- THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED.
- FOOTING DRAINS WITHIN 25 FEET OF A WELL MUST BE WATERTIGHT.
- WELLS ARE TO BE INSTALLED 100 FEET FROM ANY SEPTIC SYSTEM, AND 200 FEET FROM ANY SEPTIC SYSTEM UPHILL FROM THE WELL.
- WELL CASING IS TO BE INSTALLED 10 FEET INTO IMPERVIOUS BEDROCK.
- NEW YORK STATE SANITARY CODE, PART 5, APPENDIX 5-B REQUIRES A 50% INCREASE IN SEPARATION DISTANCES OR 50' MINIMUM WELL CASING IF AQUIFER WATER ENTERS THE WELL LESS THAN 50' BELOW GRADE.

ORANGE COUNTY DEPARTMENT
OF PUBLIC WORKS NOTE:

NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

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ENGINEERING & SURVEYING, PLLC
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2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (845) 798-4646

JOSEPH J. PIETRZAK P.E. LICENSE NO. 050075
MICHAEL P. PFAU P.E. LICENSE NO. 050083
SEAL OF THE STATE OF NEW YORK
DATE: 06-28-16

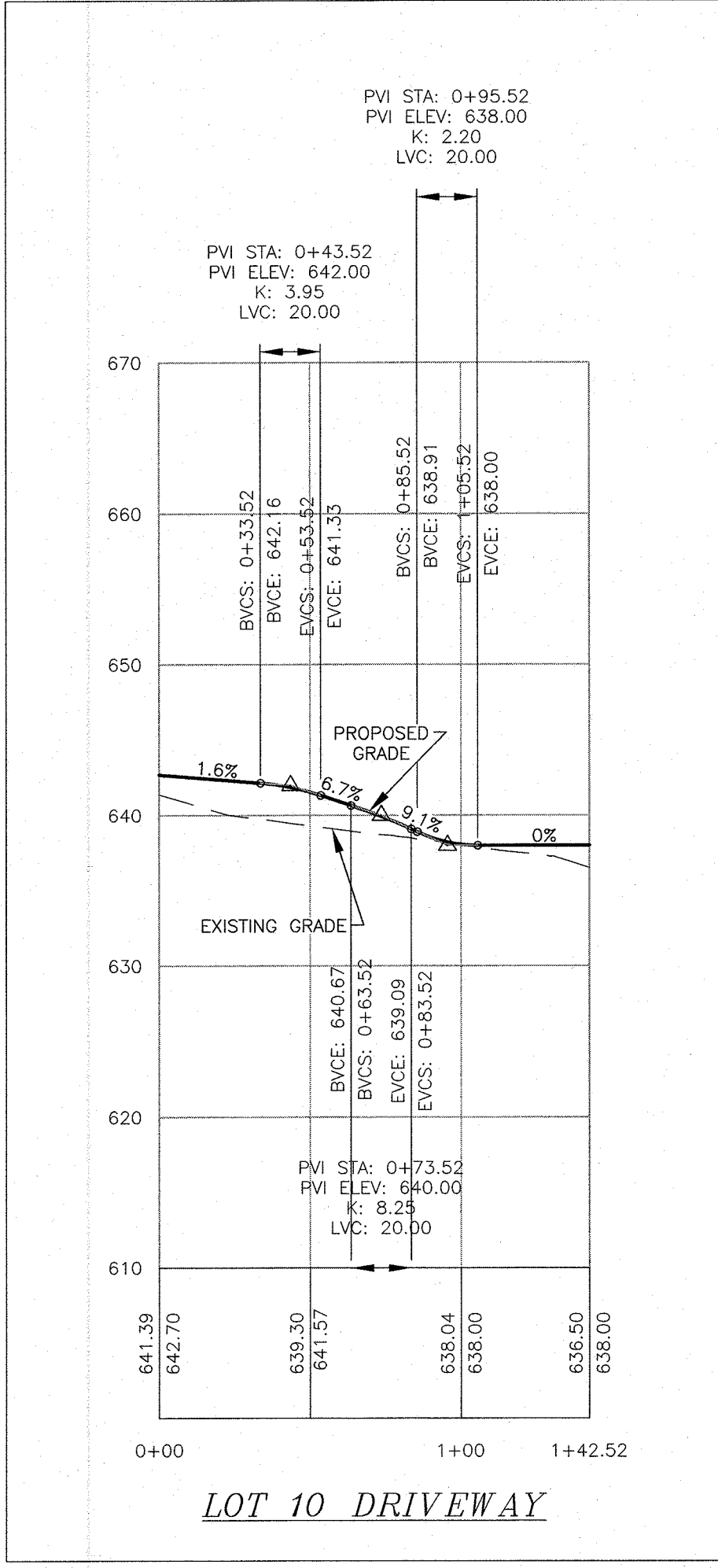
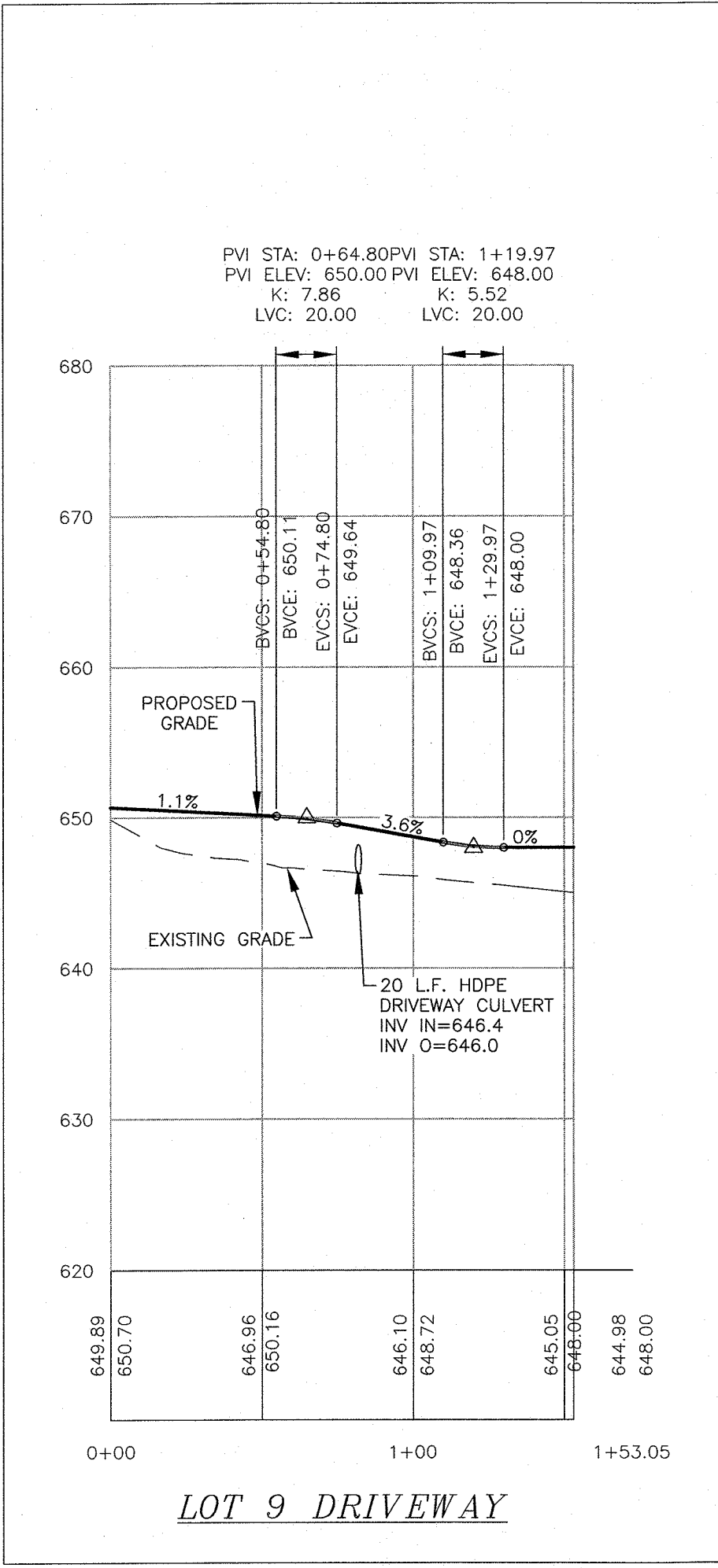
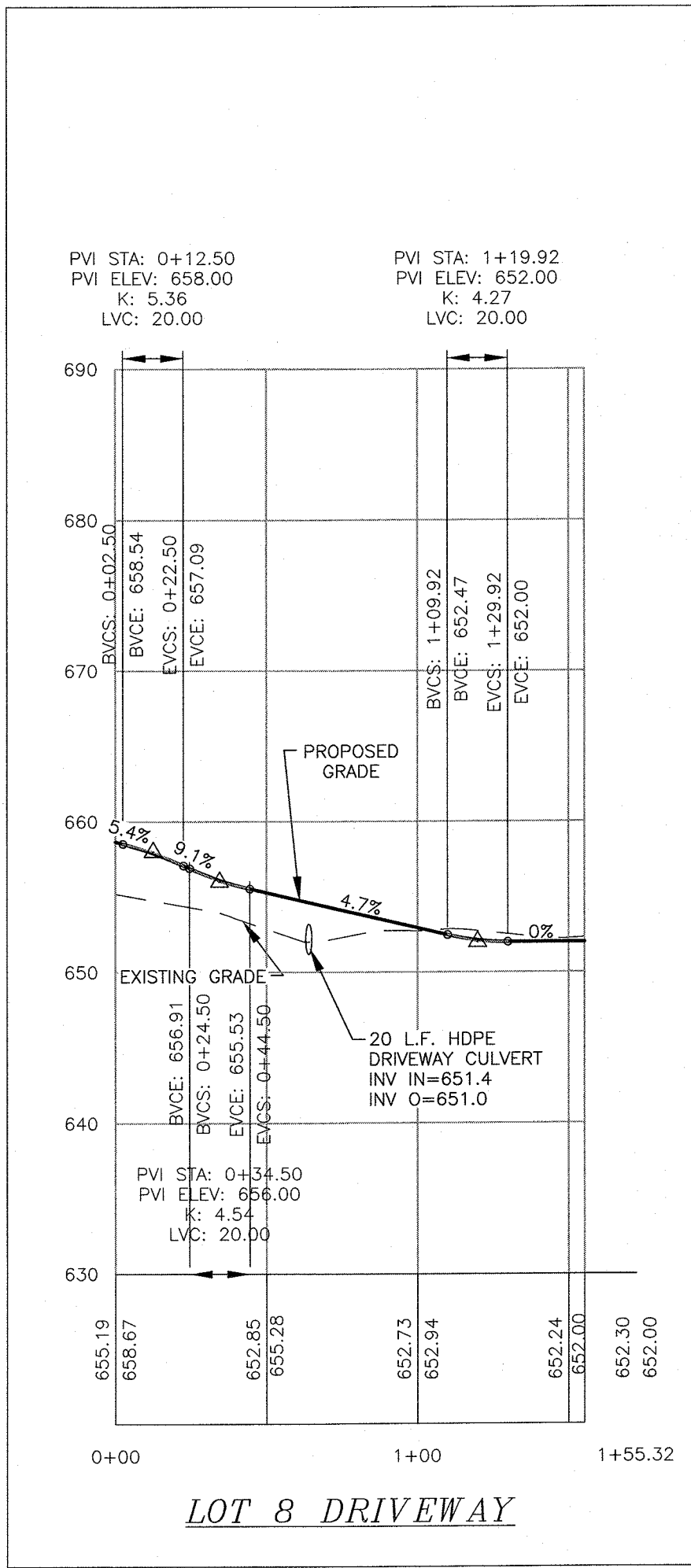
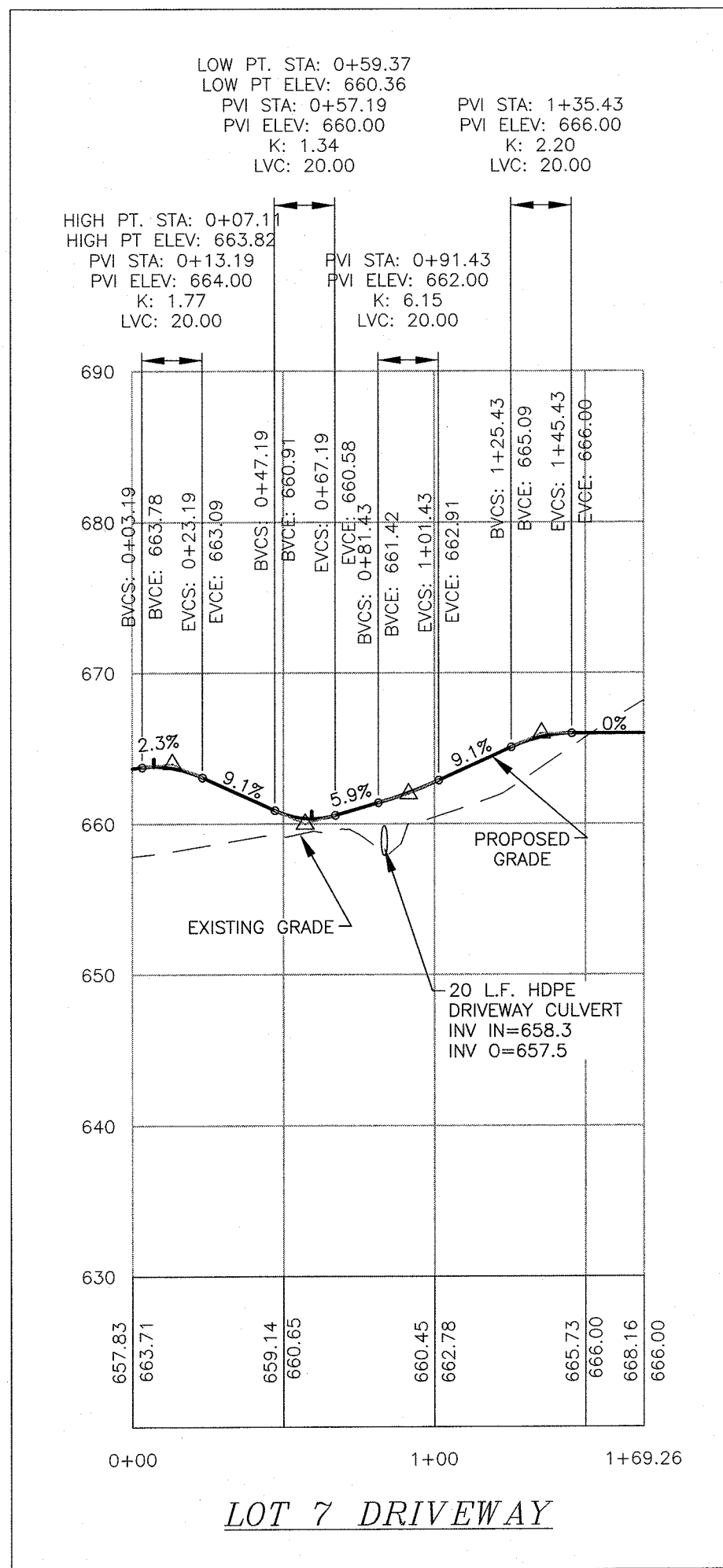
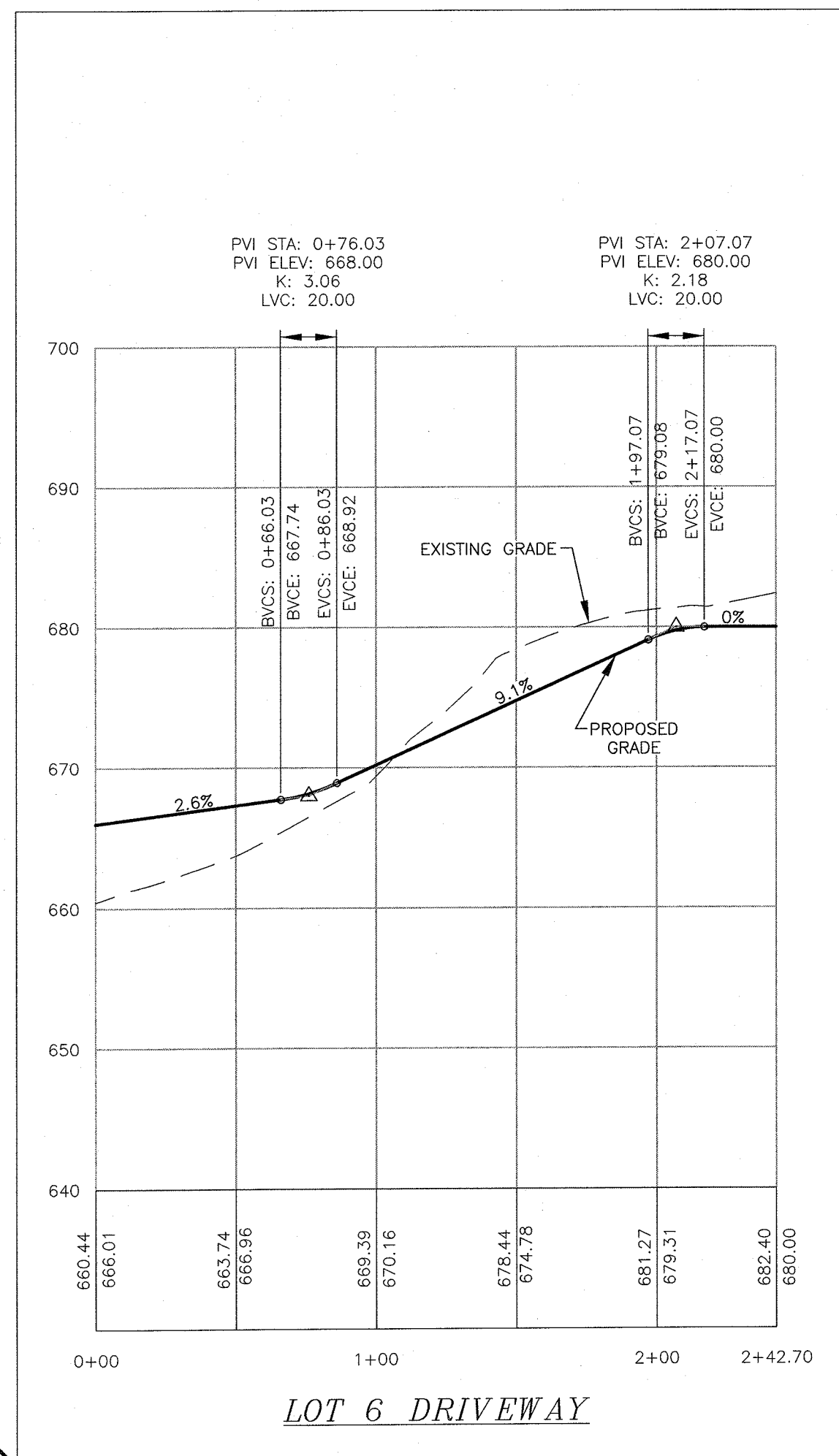
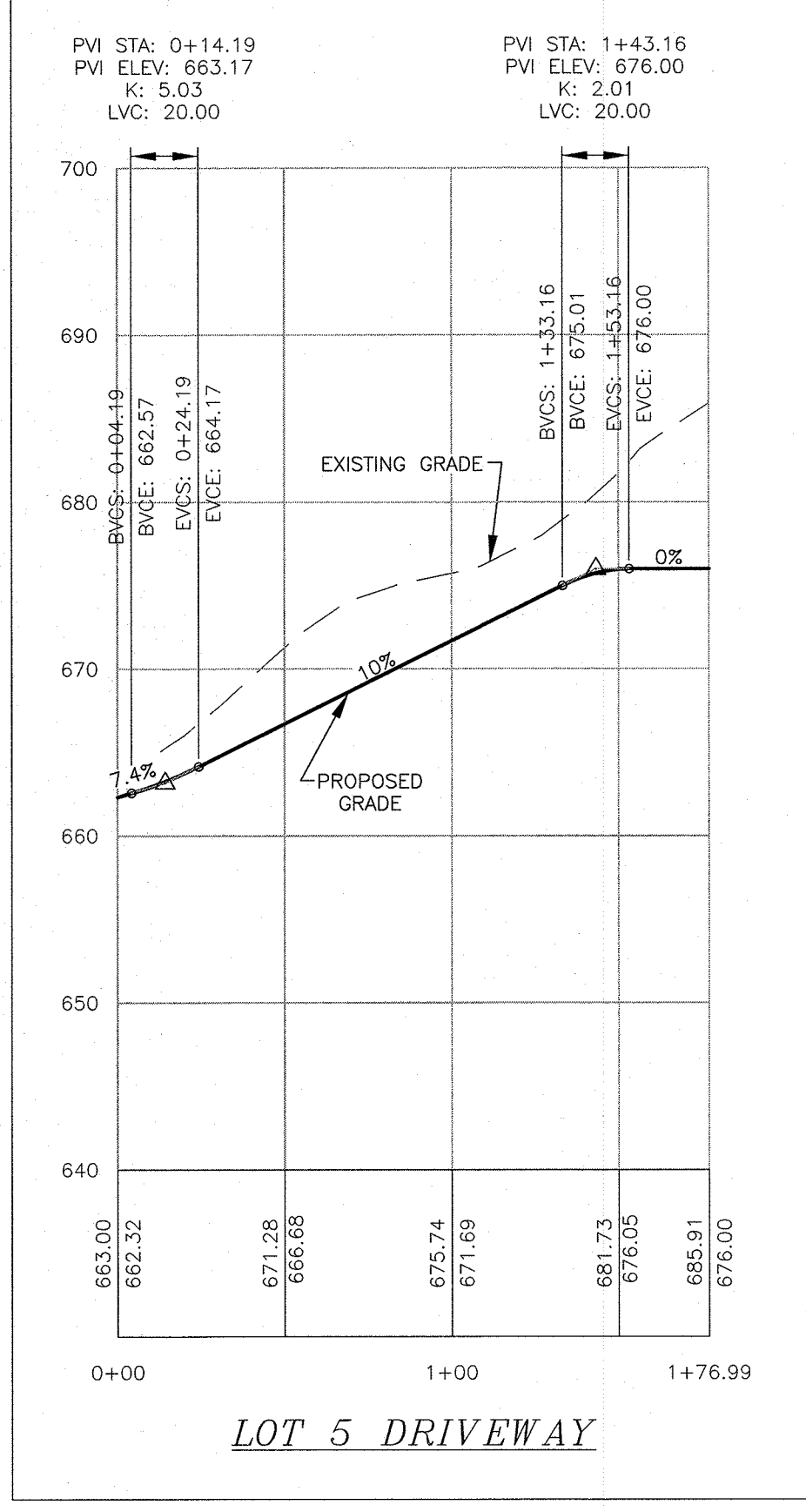
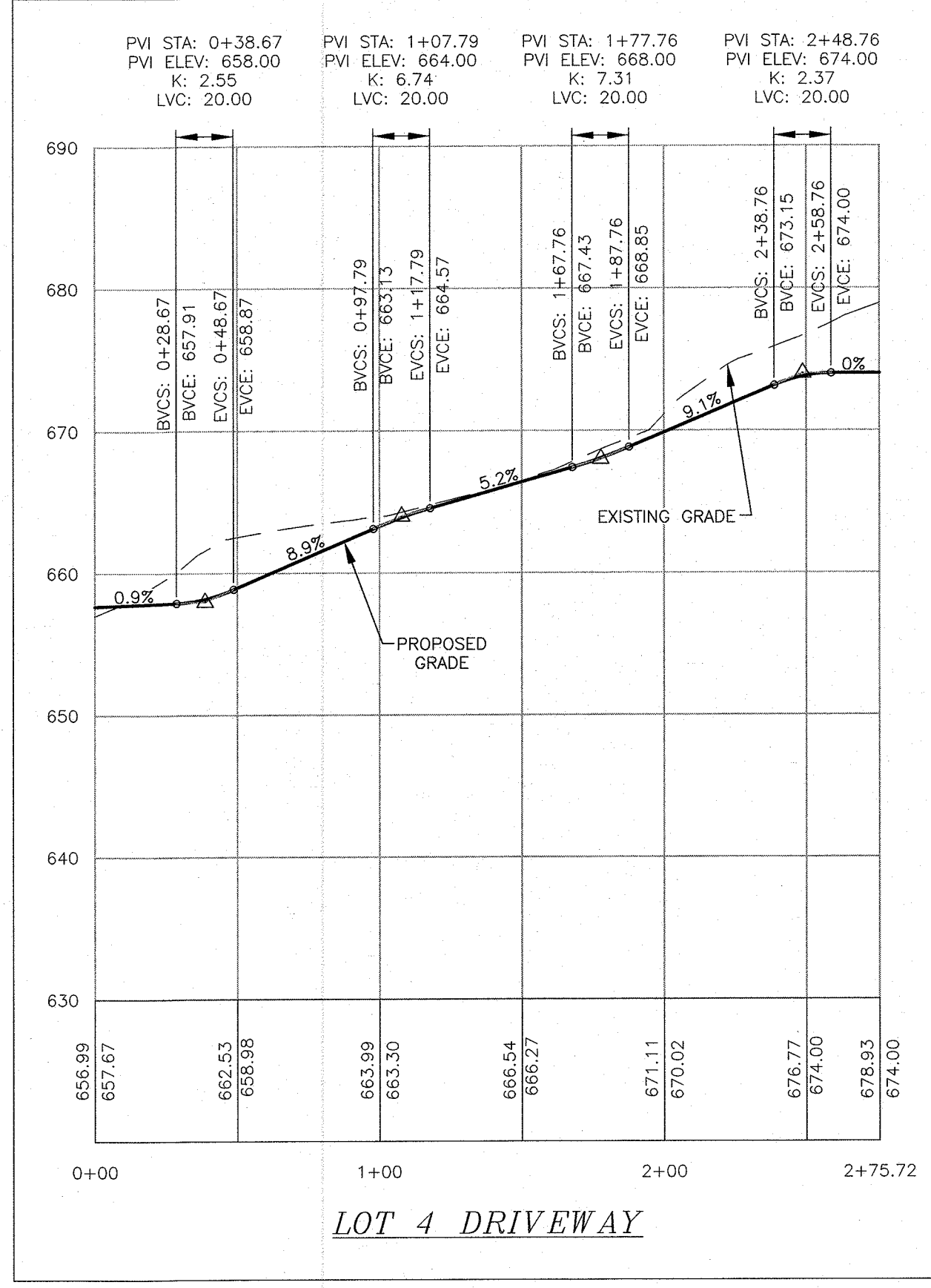
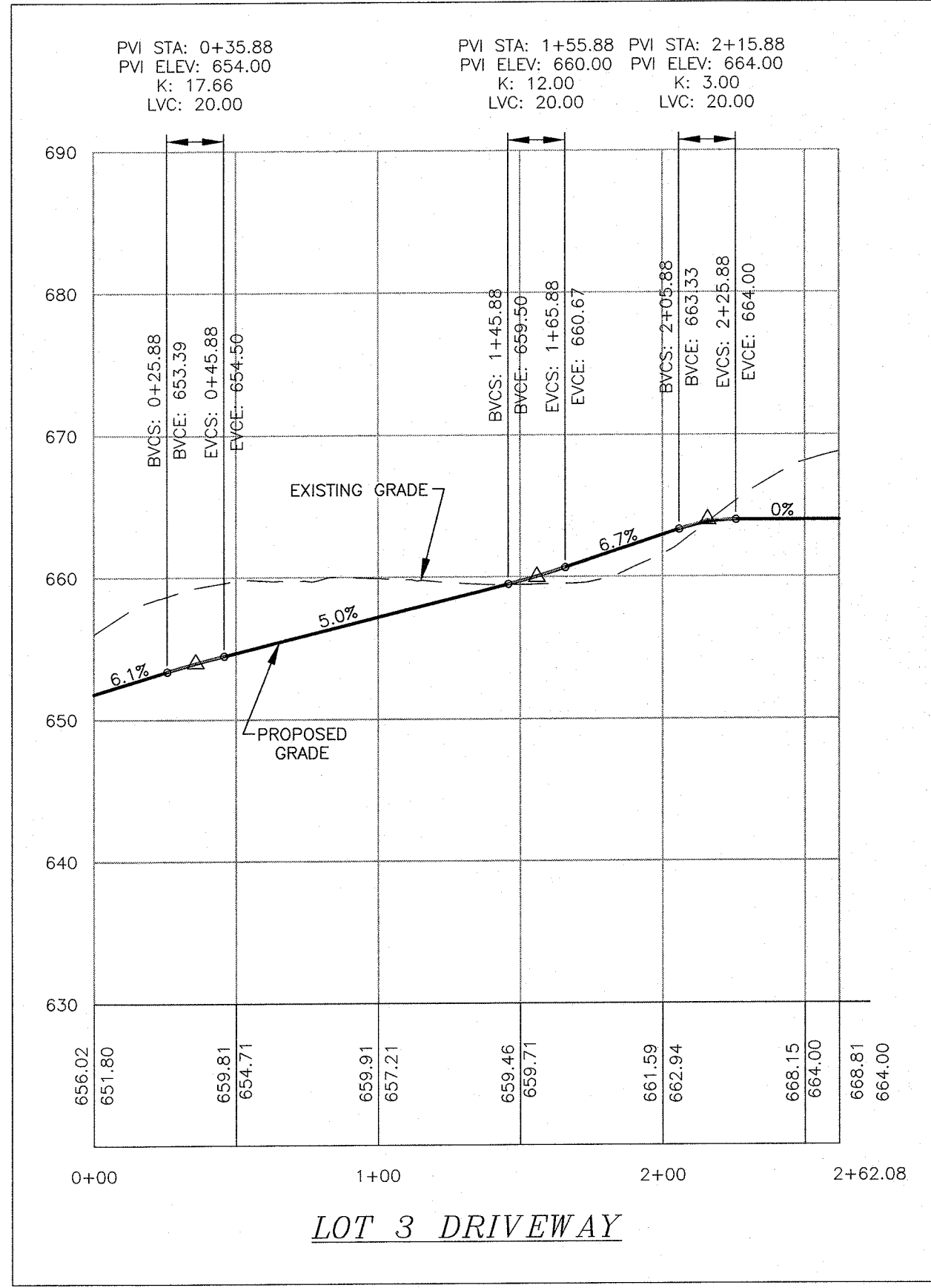
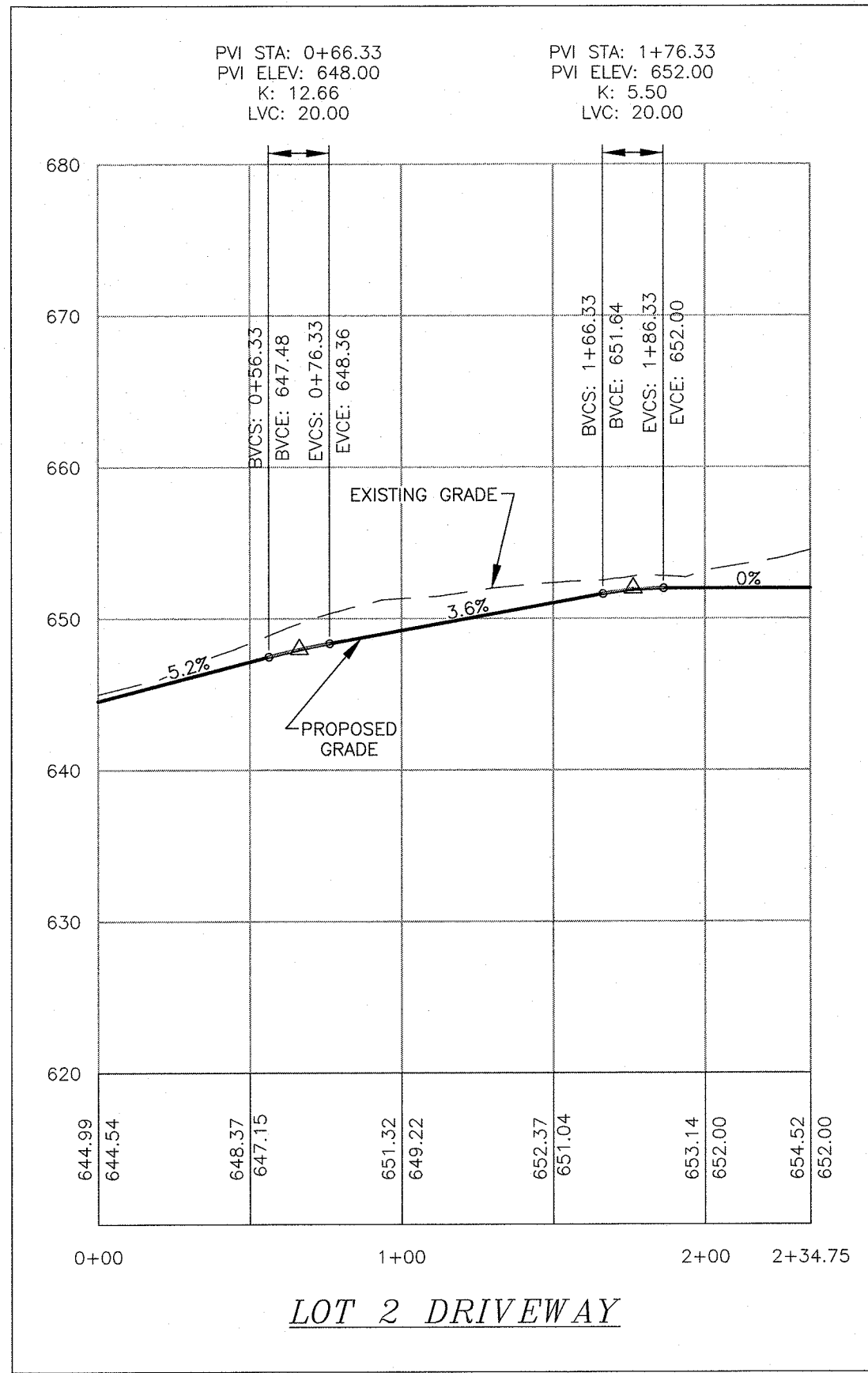
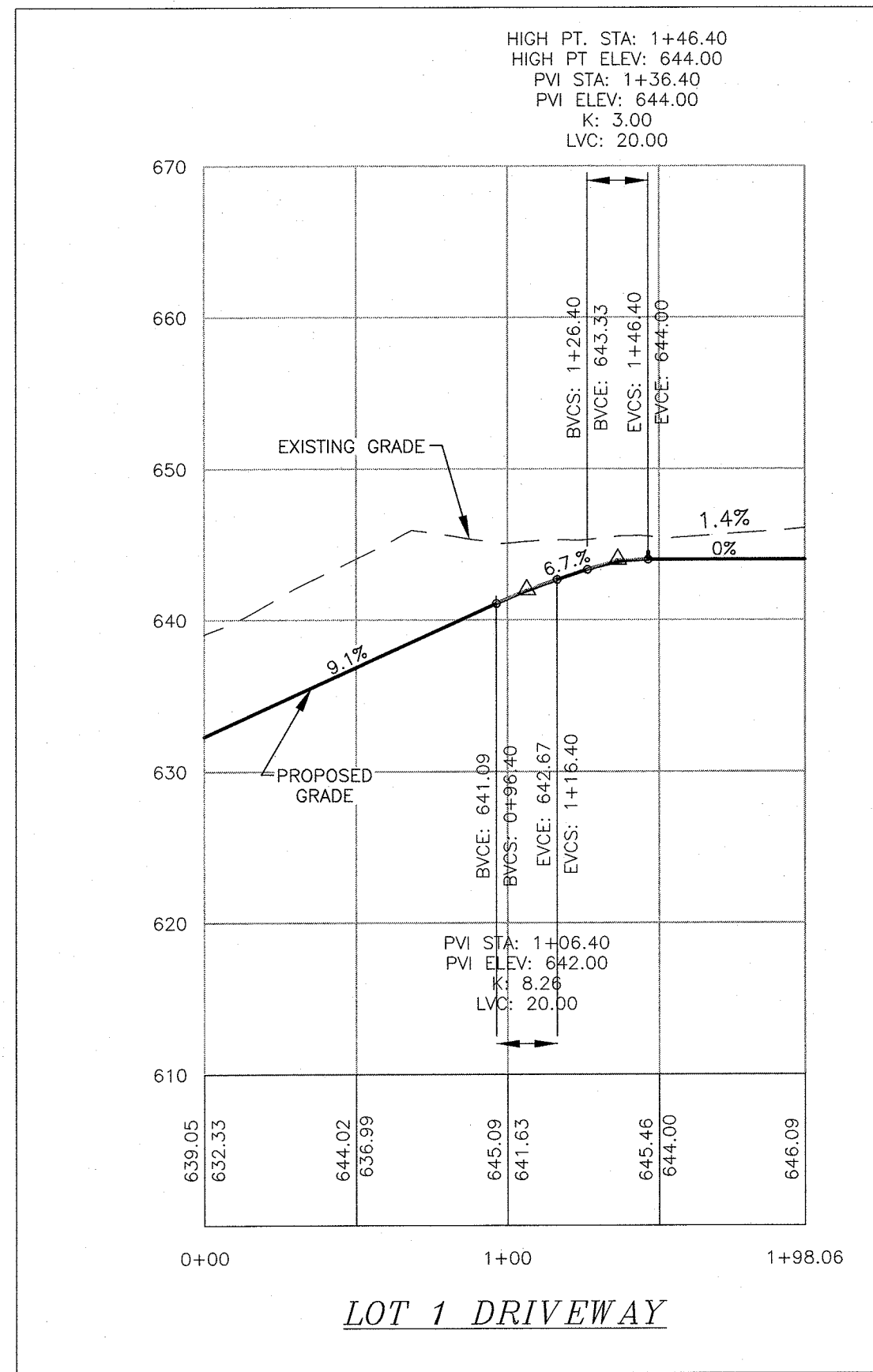
WOODRIDGE CLUSTER
SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK
PROJECT TITLE

PROFILE VIEW & SITE DETAILS
SECTION 8 BLOCK 1 LOT 50.2
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 2209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.	O.C.H.D. SHEET NO. 6 OF 6	D.E.C. SHEET NO. N/A OF 12	DRAWING NUMBER 14102.01
SCALE AS SHOWN	CAD REFERENCE 14102 ENG BASE	PROJECT NUMBER 14102.01	

ENGINEER'S CERTIFICATION

THE PROPOSED SEWAGE DISPOSAL SYSTEM(S) AND WATER SUPPLY SYSTEM(S) SHOWN ARE DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FOR RESIDENTIAL LOTS. THE DESIGN(S) ARE BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON THE LOT(S) AT THE DESIGN LOCATION AT THE TIME OF DESIGN.



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

RESERVED FOR TOWN PLANNING BOARD APPROVAL

THIS SHEET IS NOT FOR ORANGE
 COUNTY HEALTH DEPARTMENT
 REVIEW OR APPROVAL

ORANGE COUNTY DEPARTMENT
 OF PUBLIC WORKS NOTE:

NO SITE PREPARATION OR CONSTRUCTION, INCLUDING
 UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A
 VALID HIGHWAY WORK PERMIT HAS BEEN SECURED
 FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC
 WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

DATE	DESCRIPTION	INITIALS
06-28-16	REVISIONS AS PER O.C.H.D. COMMENT LETTER	NR
03-28-16	O.C.H.D. PREPARATION DATE	NR
01-21-16	REVISIONS AS PER 9/2 COMMENT LETTER	NR
08-17-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
06-01-15	REVISIONS AS PER O.C.D.P.W. LETTER	NR
12-15-14	REVISIONS AS PER 12/2 COMMENT LETTER	NR
11-18-14	REVISIONS AS PER 10/9 COMMENT LETTER	NR
10-01-14	DESIGN PREPARATION DATE	NR
12-05-13	CLUSTER SKETCH PLAN PREPARATION DATE	J.P.

MAP CHECK DATE: 03-31-16 INITIALED BY: NR

PIETRZAK & PFAU
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 (845) 786-6846

JOSEPH J. PIETRZAK, P.E., L.S.
 LICENSE NO. 050283

MICHAEL F. PFAU, P.E., L.S.
 LICENSE NO. 050283

SIGNATURE: DATE: 06-28-16

WOODRIDGE CLUSTER
 SUBDIVISION
 TOWN OF CHESTER
 COUNTY OF ORANGE, NEW YORK
 PROJECT TITLE

DRIVEWAY PROFILES
 SECTION 8 BLOCK 1 LOT 50.2

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 7208, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO. 6 OF 6 D.E.C. SHEET NO. 13 OF 15 DRAWING NUMBER 14102.01

SCALE AS SHOWN CAD REFERENCE 14102 ENG BASE PROJECT NUMBER 14102.01

1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN EXISTING UTILITIES AND ANY PROPOSED UTILITIES.
2. ALL ROAD CROSSINGS ON A COUNTY ROAD ARE REQUIRED TO BE AT 90 DEGREES.

ALL FOLLOWING EQUIPMENT IS REQUIRED TO BE ON SITE ON A DAILY BASIS AND FULLY OPERATIONAL.

- IF ANY OF THE EQUIPMENT LISTED ABOVE IS NOT OPERATIONAL, NO EXCAVATING SHALL BE PERFORMED UNTIL ALL EQUIPMENT IS FUNCTIONING PROPERLY.

1. ALL PAVEMENT IS REQUIRED TO BE RESTORED ON A DAILY BASIS.
2. RAGGED TRENCH EDGES MUST SAW CUT PRIOR TO ANY PAVING (TEMPORARY OR PERMANENT).
3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE 5" OF BASE COURSE FLUSH WITH THE EXISTING PAVEMENT SURFACE THROUGHOUT THE DURATION OF THE PROJECT. FINAL ASPHALT RESTORATION IS TO BE COMPLETED AT THE COMPLETION OF THE PROJECT.
4. ALL TEMPORARY ASPHALT IS REQUIRED TO BE FIVE (5) INCHES THICK AND PLACED ON TWO (2) LIFTS OF TWO (2) INCHES EACH.
5. ALL EDGES OF EXISTING ASPHALT ARE REQUIRED TO BE SWEEPED AND TACK COATED PRIOR TO PAVING.
6. ALL ASPHALT IS REQUIRED TO BE SAW CUT PARALLEL OR PERPENDICULAR TO THE EXISTING ASPHALT. NO RAGGED EDGES ARE ACCEPTABLE.
7. ALL SAW CUTTING IS REQUIRED TO BE PERFORMED PRIOR TO PLACING ASPHALT BINDER. MILLING OUT THE JAGGED EDGES ON THE TOP COURSE OR FINAL ASPHALT WILL NOT BE ACCEPTED BY THE OWNER.
8. ALL ASPHALT JOINTS ARE REQUIRED TO BE CRACK SEALED UPON COMPLETING FINAL PAVING.

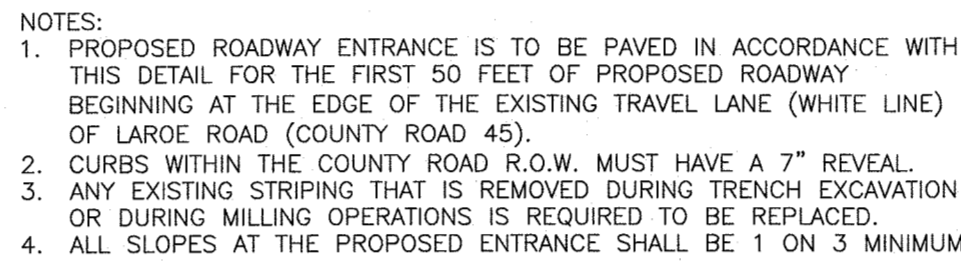
1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF SIGNS, GUIDE RAILS, GUIDE POSTS, CULVERT PIPES, MAILBOXES, HEADWALLS, ETC. WHICH MUST BE REMOVED FOR CONSTRUCTION. CONTRACTOR SHALL REINSTALL ANY REMOVED SIGNS AND MAILBOXES AS REQUIRED. SIGNS TO BE REMOVED OR REINSTALLATION SHALL BE REPLACED AND REINSTALLED BY THE CONTRACTOR WITH A NEW ITEM.
2. NO DAILY WORK (WATER, SEWER STORM DRAINAGE) IS ALLOWED TO BE PERFORMED BETWEEN NOVEMBER 15 AND MARCH 15 WITHIN THE COUNTY RIGHT OF WAY.
3. NO TRACK EQUIPMENT IS ALLOWED ON THE COUNTY ROAD WITHOUT PLACING MATS, FLOWABLE TIES, ETC. TO PROTECT THE ASPHALT ROAD.
4. NO OPEN TRENCHES ARE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL OPEN TRENCHES ARE REQUIRED TO BE BACKFILLED ON A DAILY BASIS.
5. PORTABLE TOILETS ARE ALLOWED ON COUNTY ROADS. PORTABLE TOILETS ARE ONLY ALLOWED TO BE USED DURING DAILY OPERATIONS TO MAINTAIN TRAFFIC ON THE ROADWAY AND AT RESIDENTIAL/COMMERCIAL DRIVEWAYS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER COORDINATION WITH HOMEOWNERS AND ADJACENT PROPERTY OWNERS TO ENSURE THAT TRAFFIC ENTER AND EXIT THEIR DRIVEWAYS DURING THE COURSE OF DAY TO DAY OPERATIONS.

1. ALL DITCHES AND SWALES ARE REQUIRED TO BE REGRADED TO ENSURE POSITIVE DRAINAGE UPON COMPLETION OF THE INSTALLATION OF THE PROPOSED CULVERT PIPE. NO EXISTING DRAINAGE CHANNEL, SWALE, DITCH, STREAM, OR STRUCTURE AFFECTING THE COUNTY ROAD SHALL BE BLOCKED OR FILLED NOR THE FLOW TO OR FROM AN EXISTING DRAINAGE CHANNEL, SWALE, DITCH STREAM, OR STRUCTURE BE MADE WITHOUT AN APPROVED DESIGN.
2. EXISTING DRAINAGE DITCHES ALONG THE COUNTY ROAD WILL BE REALIGNED AFTER ALL WORK IN THE COUNTY RIGHT OF WAY IS COMPLETE.

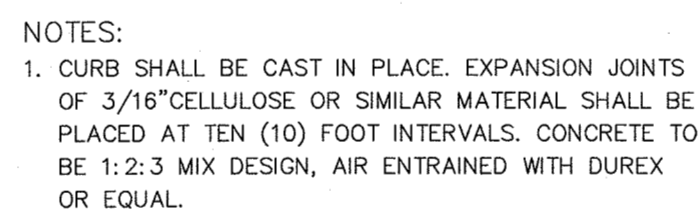
1. PROVIDE NOTES THAT ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH ORANGE COUNTY REQUIREMENTS. THE FOLLOWING SIGNS ARE REQUIRED TO BE PLACED IN EACH DIRECTION TO PERFORM THE WORK PER THE APPROVED PLANS:
 - 2. 150' ADVANCE ROAD WORK AHEAD SIGN (W/ ORANGE COUNTY ROAD NAME ROAD AHEAD, FLAGGER SYMBOL ON EACH APPROACH WHEN TAKING A TRAVEL LANE. WHEN WORK IS PERFORMED ON THE SHOULDER THE FOLLOWING SIGNS ARE REQUIRED: 150' ADVANCE ROAD WORK AHEAD SIGN (W/ ORANGE COUNTY ROAD NAME, SHOULDER, FLAGGER SYMBOLS ARE REQUIRED TO BE AVAILABLE FOR A NO SHOULDER WORK ZONE IN CASE FLAGGERS ARE USED TO DIRECT TRAFFIC.
 - 3. THE MORE STRINGENT SIGN REQUIREMENTS OF ORANGE COUNTY SUPERSEDE ANY OTHER REQUIREMENTS.
4. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONSTRUCTION SIGNAGE SHALL BE INSTALLED AND IN PLACE PRIOR ANY WORK STARTING. ALL CONSTRUCTION SIGNAGE TO BE USED SHALL BE THE LATEST EDITION OF THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND NYS SUPPLEMENT LATEST EDITION AND REVISIONS. COUNTY REQUIREMENTS ARE MORE STRINGENT WITH REGARD REQUIRED MPT SIGNAGE AND ARE THE STANDARD TO BE USED. THE FOLLOWING REQUIREMENTS SHALL BE USED: ALL SIGNS SHALL BE POSTS OR ON WIND-MASTERS AND COVERED AND UNCOVERED ON A DAILY BASIS. THE CONTRACTOR MUST HAVE ALL THE NECESSARY CONSTRUCTION SIGNS TO PROTECT THE WORK SAFELY. ALL SIGNS SHALL BE USED IN ACCORDANCE WITH THE FLAGGER SYMBOL. IF A LANE HAS TO BE CLOSED TO PERFORM WORK.
5. ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE 730-05.02 – ASTM TYPE III (CLASS B) AS PER NYS STANDARD SPECIFICATIONS: CONSTRUCTION AND MATERIALS. ALL SIGNS SHALL BE REVERSIBLE SIGN OR BOTH SIDES TO THE ROAD. IF IT IS RECOMMENDED FOR HIGHWAY SIGNS, CONSTRUCTION SIGNS, DELINEATORS, AND OTHER WORK ZONE DEVICES.
6. WORK ZONE IS REQUIRED TO BE PROPERLY DELINEATED WITH CONES OR CONSTRUCTION BARRIERS.
7. ORANGE COUNTY RESERVES THE RIGHT TO PRECLUDE ALL WORK AND LANE CLOSURES DURING ANY INCLEMENT WEATHER OR OTHER UNFORESEEN CIRCUMSTANCES (I.E. WET, ICE, HAIL, FLOODING, ETC.) TO PREVENT TRAFFIC ACCIDENTS ON STATE, COUNTY, TOWN OR VILLAGE ROAD, OR OTHER EMERGENCIES.)
8. NO LANE CLOSURES WILL BE PERMITTED FROM 12 NOON PRIOR TO A HOLIDAY AND UNTIL 10 AM THE DAY AFTER THE HOLIDAY.
9. FLAGGERS WILL NOT CONTINUE TO BE USED ON ANY APPROACH AT ANYTIME THROUGHOUT THE DURATION OF THE WORK ZONE. ADDITIONAL FLAGGERS ARE REQUIRED TO CONTROL ALL APPROACHES IN A WORK ZONE.
10. EIGHTEEN (18) INCH STOP AND SLOW PADDOLES ARE REQUIRED TO DIRECT TRAFFIC.
11. 10' YARD RAYS ARE REQUIRED FOR FLAGGERS TO COMMUNICATE BETWEEN EACH OTHER.

1. ALL OSHA REQUIREMENTS MUST BE ADHERED TO AT ALL TIMES.
2. SHORING: THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING ANY TRENCH OR EXCAVATION THAT IS GREATER THAN 5 FEET DEEP OR WHICH, IN THE OPINION OF THE OCDPW INSPECTOR IN THE FIELD POSSES A DANGER TO THE CONTRACTOR PERSONNEL ON THE JOB. THE CONTRACTOR HAS THE OPTION OF USING A PREFABRICATED SHORING SYSTEM, INSTALLING A TIMBER SHORING SYSTEM AS INDICATED ON THE SPECIFICATIONS OR A TIMBER SYSTEM DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER. NO OTHER SHORING SYSTEM WILL BE APPROVED FOR USE ON THIS PROJECT.

1. THE NORMAL WORKING HOURS FOR THIS PROJECT IS 7:00 AM TO 3:30 PM. ALL TRAFFIC LANES MUST BE BACK IN SERVICE BY 4:30 PM. OCDPW MUST APPROVE ANY CHANGES TO THESE HOURS IN ADVANCE.
2. NO HOLIDAY WORK AS PER ORANGE COUNTY'S APPROVED HOLIDAY SCHEDULE.

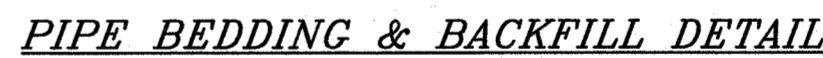


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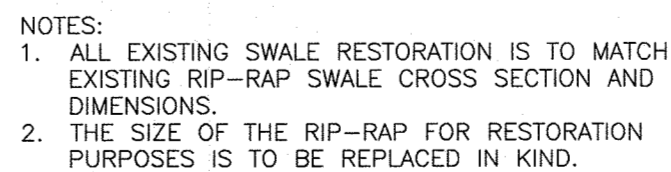
2. CONCRETE TO TEST 4000 PSI AT 28 DAYS

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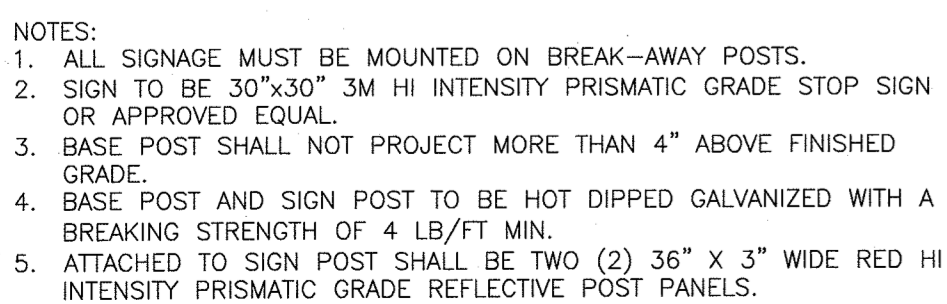


N.T.S.

1. ALL BACKFILL IS REQUIRED TO BE BACKFILLED IN TWELVE (12) INCH LIFTS MAXIMUM.
2. DRY C R E T E SHALL BE USED AT ALL ROAD CROSSINGS (TOWN ROADS), COMMERCIAL ENTRANCES, AND ALL TRENCHES WITHIN ASPHALT OR AS DIRECTED BY ORANGE COUNTY INSPECTOR.
3. ITEM NO. 4: ITEM 304 SUBBASE COURSE TYPE 2 IS REQUIRED TO BE USED AS BACKFILL FROM EDGE OF PAVEMENT OUT EIGHT (8) FEET.
4. EXCAVATED MATERIAL IS ALLOWED TO BE USED AS BACKFILL MATERIAL EIGHT (8) FEET BEYOND THE EDGE OF PAVEMENT. NO BOLDERS/ROCKS OVER 12 INCHES ARE ALLOWED TO BE USED AS BACKFILL.
5. MATERIAL TICKETS ARE REQUIRED TO BE PROVIDED TO THE ORANGE COUNTY INSPECTOR ON A DAILY BASIS FOR ALL MATERIAL USED IN THE COUNTY RIGHT OF WAY.



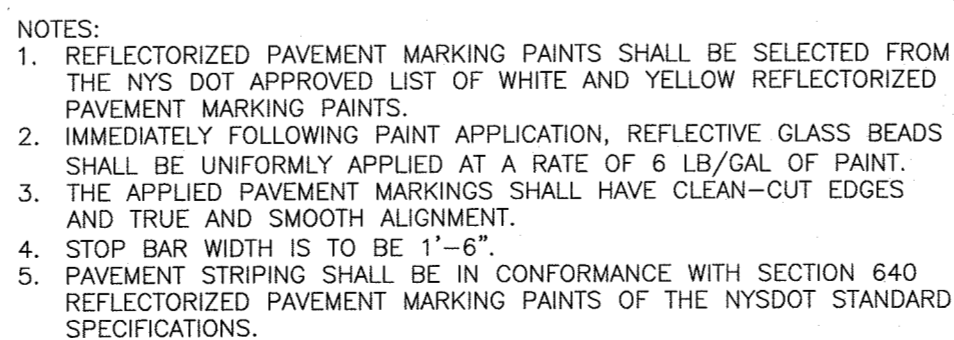
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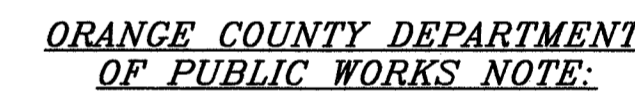
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NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

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DATE	DESCRIPTION	INITIALS

REVISIONS	
MAP CHECK DATE: 03-31-16	INITIALED BY: NR

ДИЕТДЗАК 0 ДБАИ

<h1 style="margin: 0;">PIETRZAK & PFAU</h1> <h2 style="margin: 0;">ENGINEERING & SURVEYING, PLLC</h2>		
282 GREENWICH AVENUE, SUITE A GOSHEN, NEW YORK 10824 (945) 284-0006	2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (945) 796-4646	
		
JOSEPH J. PFAU, P.E. LICENSE NO. 13203	MICHAEL P. CHERGIAN P.E. LICENSE NO. 060623	
		
<h1 style="margin: 0;">WOODRIDGE CLUSTER</h1> <h2 style="margin: 0;">SUBDIVISION</h2> <p style="margin: 0;">TOWN OF CHESTER</p> <p style="margin: 0;">COUNTY OF ORANGE, NEW YORK</p>		
PROJECT TITLE		
<h1 style="margin: 0; text-decoration: underline;">O.C.D.P.W. DETAILS</h1>		
SECTION 8 BLOCK 1 LOT 50.2		
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O.C.D. SHEET NO. N/A OF 6	D.E.C. SHEET NO. N/A OF 4	DRAWING NUMBER 15 OF 16
SCALE NO SCALE	CAD REFERENCE 1402 ENG BASE	PROJECT NUMBER 14102.01