THE HERITAGE

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

GENERAL NOTES:

1. TAX MAP DESIGNATION:
TOWN OF GOSHEN: SECTION 8 BLOCK 1 LOT 9.22 & SECTION 11 BLOCK 1 LOT 98.62
2. TOTAL AREA OF PARCELS INCLUDING ACCESS PARCEL: 249.8± ACRES.
3. THE PARCEL IS LOCATED IN THE RU ZONING DISTRICT.
4. TOTAL NUMBER OF PROPOSED RESIDENTIAL LOTS WITHIN THIS SUBDIVISION: 78
5. THE PARCEL LOCATED WITHIN THE GOSHEN CENTRAL SCHOOL DISTRICT.
6. LOTS 1 THROUGH 75 SHALL BE SERVED BY CENTRAL WATER AND SEWER, LOTS 76 THROUGH 78 SHALL BE SERVED BY INDIVIDUAL WELLS AND WASTEWATER TREATMENT SYSTEMS.
7. ALL EXISTING WELLS AND SEPTIC SYSTEMS, OTHER THAN THOSE SHOWN ON THIS PLAN, ARE GREATER THAN 300' FROM THE EXTERIOR PROPERTY LINE.
8. INDIVIDUAL WELLS AND SANITARY DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED FOR HOUSEHOLD DOMESTIC PURPOSES WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWERAGE SYSTEM IS REQUIRED WITHIN ONE YEAR OF THE SYSTEM BECOMING AVAILABLE.
9. PLAN APPROVAL IS LIMITED TO 5 YEARS. TIME EXTENSIONS FOR PLAN APPROVAL MAY BE GRANTED BY THE ORANGE COUNTY HEALTH DEPARTMENT 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.
10. THE APPROVED PLANS MUST BE FILED WITH THE ORANGE COUNTY CLERK PRIOR TO OFFERING LOTS FOR SALE.
11. THERE SHALL BE NO FURTHER SUBDIVISION OF THESE LOTS.
12. THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER) SHALL NOT BE CHANGED.
13. 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 NYSDEC WELL COMPLETION REPORT.
14. A CONSERVATION ANALYSIS WAS PREPARED PURSUANT TO SECTION 97-20B BEARING THE LATEST REVISION DATE OF APRIL 4, 2006. THIS ANALYSIS SET THE MAXIMUM DEVELOPMENT DENSITY SUBJECT TO SEQRA AND SUBDIVISION REVIEW. THE BASE DENSITY WAS MODIFIED AS A RESULT OF THE TOWN BOARD TOWN OF GOSHEN ADOPTED LOCAL LAW NO. 1 OF 2009 ON FEBRUARY 23, 2009.
15. SOILS TESTING AS SHOWN WAS PERFORMED BY PIETRZAK & PFAU ENGINEERING & SURVEYING PLLC. ALL RESULTS IN THE AREAS OF THE PROPOSED TILE FIELDS INDICATE ADEQUATE SOIL FOR STANDARD SUBSURFACE DISPOSAL SYSTEMS.
16. ALL DRILLED WELLS THAT WILL NOT BE UTILIZED IN ACCORDANCE WITH THIS PLAT MUST BE PROPERLY CAPPED AND DECOMMISSIONED PRIOR TO THE ISSUANCE OF THE FIRST RESIDENTIAL BUILDING PERMIT.
17. THE LIMITS OF CLEARING AND DISTURBANCE, AND THE POSTING OF APPROPRIATE SIGNING, FLAGGING AND FENCING DURING CONSTRUCTION, INDICATING SUCH LIMITS, ARE SHOWN ON SHEETS 9-13. THE SIGNAGE, FLAGGING, AND FENCING OF THE LIMITS OF CLEARING AND DISTURBANCE SHALL BE POSTED CONSPICUOUSLY ON THE SITE PRIOR TO ANY SITE WORK OR OTHER DISTURBANCE TO THE SITE.
18. UPON COMPLETION THE PROPOSED ROADS AND ASSOCIATED IMPROVEMENTS SHALL BE OFFERED TO THE TOWN OF GOSHEN FOR DEDICATION.
19. NO ABOVE GROUND POOLS SHALL BE PERMITTED.
20. EACH SEASON, THE INITIAL FILLING OF ANY POOLS MUST BE PERFORMED BY A BULK WATER SUPPLIER.
21. GROUNDWATER MAY BE USED IF A POOL REQUIRES ANY ADDITIONAL WATER; HOWEVER SUCH USAGE MUST OCCUR DURING THE OFF-HOURS OF THE DAY.
22. THE CLUSTER DEVELOPMENT LOTS (LOTS 1-75) SHALL CONSIST OF 48 4-BEDROOM UNITS AND 27 3-BEDROOM UNITS.
23. NO FUTURE ACCESSORY DWELLINGS MAY BE CONSTRUCTED ON LOTS 1-75.
24. CONSTRUCTION ACTIVITIES ARE LIMITED TO 8:00am THROUGH 8:00pm, MONDAY THOUGH FRIDAY, AND 9:00am THROUGH 5:00pm ON SATURDAYS.
25. NO TOPSOIL SHALL BE EXPORTED FROM THE PROPERTY WITHOUT THE APPROVAL OF THE PLANNING BOARD
26. ALL INLET FRAMES TO STORMWATER FACILITIES SHALL INCLUDE MARKINGS INDICATING "DUMP NO WASTE DRAINS TO WATERWAYS".
27. REMOTE WATER METER READING AND TELEMETRY CONTROL SYSTEMS WILL BE PROVIDED IN ACCORDANCE WITH TOWN SPECIFICATIONS TO MONITOR THE WELLS AND PROPOSED RESIDENTIAL WATER USAGE. RADIO METERS SHALL BE PROVIDED FOR ALL RESIDENCES IN ACCORDANCE WITH THE TOWN CODE.
28. ANY DISTURBED AREAS AFTER OCTOBER 15 NOT OTHERWISE STABILIZED ARE TO BE MULCHED AND STABILIZED WITH AN ANCHORING MATERIAL AS APPROVED BY THE TOWN ENGINEER AS SOON AS POSSIBLE.
29. ANY BLASTING OPERATIONS SHALL BE CARRIED OUT IN COMPLIANCE WITH CHAPTER 58A OF THE TOWN CODE.
30. PRIOR TO THE FINAL PLACEMENT OF TOPSOIL ON THE CLUSTERED PORTION OF THE PROJECT (LOTS 1-75), THE TOP 2" OF SUBSOIL SHALL BE SCARIFIED.
31. PRIOR TO THE START OF A NEW PHASE, LOTS WITHIN A PREVIOUS PHASE MUST BE STABILIZED AND THE INFRASTRUCTURE COMPLETED.
32. LOW REFLECTION WINDOWS MUST BE USED IN THE CONSTRUCTION OF THE PROPOSED HOMES TO MINIMIZE GLARE TO OFF-SITE RESIDENCES AND VIEW SHEDS.
33. ALL TREE CLEARING SHALL OCCUR BETWEEN OCTOBER 1ST AND MARCH 31ST OF ANY YEAR SO AS TO MITIGATE ANY ADVERSE IMPACTS ON ROOSTING INDIANA BATS. TREE CLEARING BETWEEN APRIL 1ST AND SEPTEMBER 30TH SHALL ONLY OCCUR WITH THE PRIOR APPROVAL OF THE TOWN PLANNER OR ENVIRONMENTAL CONSULTANT, AND SHALL BE LIMITED TO WITHIN 25 FEET OF THOSE TREES THAT, IN THE OPINION OF THE TOWN CONSULTANTS, ARE NOTED FOR POTENTIAL INDIANA BAT HABITAT.
34. NO DISTURBANCE TO WETLAND B SHALL OCCUR UNTIL THE LIMITS OF DISTURBANCE AND CLEARING HAVE BEEN DELINEATED IN THE FIELD AND ACCEPTED BY THE BUILDING INSPECTOR.
35. ALL DWELLINGS FOR LOTS 1-78 SHALL BE ORIENTED WITH THE FRONT OF EACH DWELLING BEING PARALLEL TO THE ADJACENT ROADWAY, AS SHOWN ON THESE PLANS.
36. THE APPROPRIATE ENTRANCE PERMIT MUST BE OBTAINED BEFORE BEGINNING CONSTRUCTION.
37. ON MAY 19, 2016 THE PLANNING BOARD GRANTED A WAIVER REQUEST FROM SECTION 83-150(2) OF THE TOWN CODE TO ALLOW DRIVEWAYS ON CLUSTERED LOTS (1-75) TO BE CONSTRUCTED AT A POSITIVE GRADE OFF THE PROPOSED TOWN ROADS.
38. ON MAY 19, 2016 THE PLANNING BOARD GRANTED A WAIVER REQUEST FROM THE TOWN'S STANDARD DETAILS SO THAT THE DEVELOPER IS NOT REQUIRED TO CONSTRUCT CONCRETE DRIVEWAY APRONS.

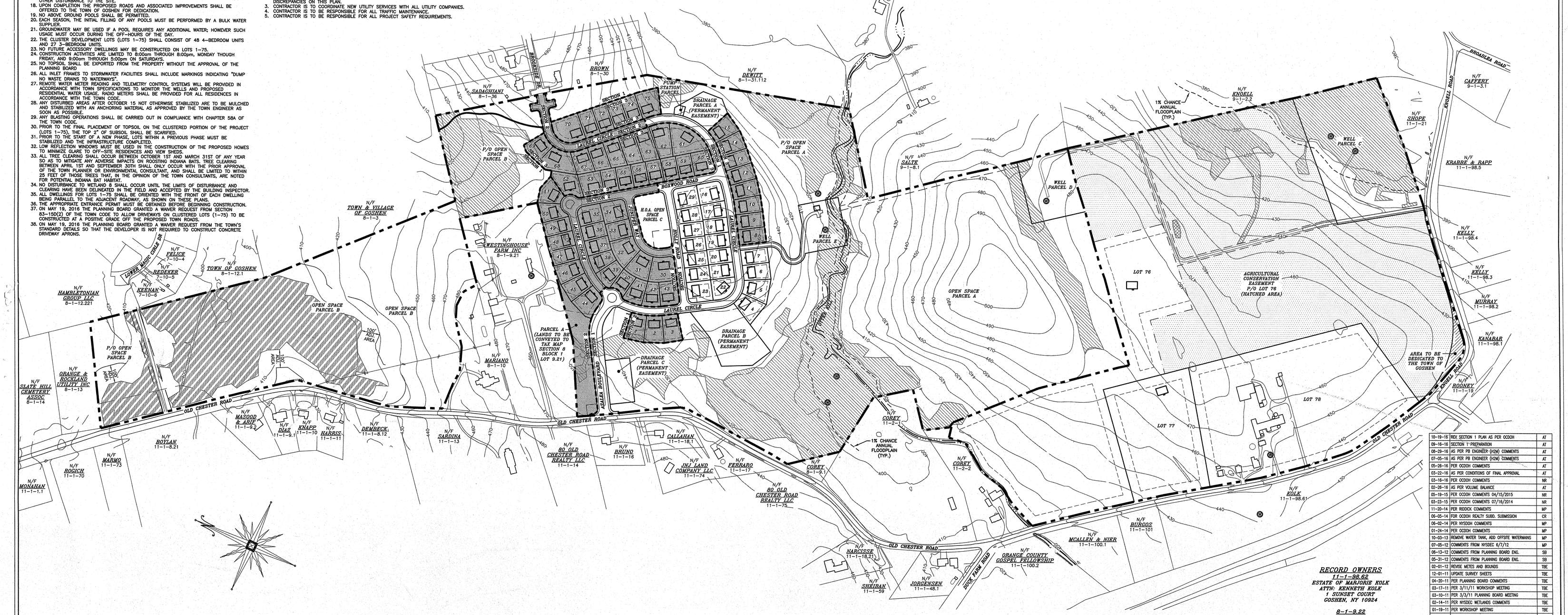
SURVEY NOTES:

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.
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 OWNERS.
4. UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY, ARE NOT SHOWN HEREON.
5. CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION AS UNDERGROUND IMPROVEMENTS MAY EXIST WHICH WERE NOT LOCATED AT THE TIME OF THIS SURVEY.
6. ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
7. REFERENCES:
8. SUBJECT TO AN UP TO DATE AND ACCURATE TITLE REPORT.
9. SUBJECT TO ANY EASEMENTS OR AGREEMENTS, IF ANY.
10. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
11. SUBJECT TO THE RIPARIAN RIGHTS BY OTHERS TO THE WATER COURSES SHOWN HEREON.
12. MAP REFERENCES:
A MAP ENTITLED "PLAN OF TWO LOT SUBDIVISION FOR AFTON PROPERTIES ASSOCIATES" FILED WITH THE ORANGE COUNTY CLERK'S OFFICE ON AUGUST 12, 1987 AS MAP NO. 8431.
A SURVEY MAP ENTITLED "SURVEY OF PROPERTY FOR HOFFMAN-WALKER INC." DATED OCTOBER 22, 2001.
13. DEED REFERENCE: LIBER 2549, PAGE 269
14. SUBJECT TO THE FINDINGS LISTED IN THE COMMONWEALTH LAND TITLE INSURANCE COMPANY TITLE REPORT NO. CR040082, DATED MARCH 11, 2004.
15. ALL EXISTING FEATURES ARE NOT SHOWN HEREON.

CONSTRUCTION NOTES:

1. PRIOR TO ANY CONSTRUCTION, CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES FOR UTILITY MARK OUTS. THE CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY FOR MAINTAINING CONTINUOUS UTILITY SERVICE AND REPAIRS TO UTILITIES IN THE EVENT OF DAMAGE.
2. PRIOR TO ANY CONSTRUCTION, CONTRACTOR IS TO FIELD LOCATE AND VERIFY ALL EXISTING UTILITIES LOCATIONS, ELEVATIONS, INVERTS, ETC. AND NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES ON THIS PLAN.
3. CONTRACTOR IS TO COORDINATE NEW UTILITY SERVICES WITH ALL UTILITY COMPANIES.
4. CONTRACTOR IS TO BE RESPONSIBLE FOR ALL TRAFFIC MAINTENANCE.
5. CONTRACTOR IS TO BE RESPONSIBLE FOR ALL PROJECT SAFETY REQUIREMENTS.

LOCATION MAP
SCALE: 1" = 2,500'



Map # 313-16 **Sheets** 30
Filed On 11/21/16
ORANGE COUNTY CLERK'S OFFICE

RECORD OWNERS

11-1-98.62
ESTATE OF MARJORIE KOLK
ATTN: KENNETH KOLK
1 SUNSET COURT
GOSHEN, NY 10924

8-1-9.22
GOSHEN LAND COMPANY, LLC
902 CARNEGIE CENTER STE 300
PRINCETON, NJ 08540

DEVELOPER/APPLICANT

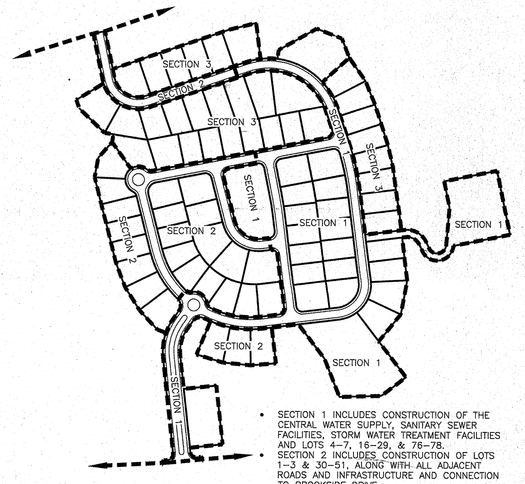
HERITAGE AT GOSHEN DEVELOPMENT COMPANY, LLC
C/O ROGER MUMFORD
247 BRIDGE AVENUE
RED BANK, NJ 07701

DATE	DESCRIPTION	INITIALS
10-19-16	REV. SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
09-26-16	AS PER PB ENGINEER (H2M) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (H2M) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-09-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-09	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

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

LEGEND

- 450 — EXISTING MAJOR CONTOUR
- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED BUILDING SETBACK LINE
- PROPOSED EASEMENT
- PROPOSED AGRICULTURAL CONSERVATION EASEMENT
- 1% ANNUAL CHANCE FLOOD LIMITS
- EXISTING WELL
- NYSDEC WETLAND
- ACOE WETLAND
- NON JURISDICTIONAL WETLAND



- SECTION 1 INCLUDES CONSTRUCTION OF THE CENTRAL WATER SUPPLY, SANITARY SEWER FACILITIES, STORM WATER TREATMENT FACILITIES AND LOTS 4-7, 16-29, & 76-78.
- SECTION 2 INCLUDES CONSTRUCTION OF LOTS 1-3 & 30-51, ALONG WITH ALL ADJACENT ROADS AND INFRASTRUCTURE AND CONNECTION TO BROOKSIDE DRIVE.
- SECTION 3 INCLUDES CONSTRUCTION OF LOTS 8-15 & 52-75, ALONG WITH ALL ADJACENT ROADS AND INFRASTRUCTURE.

SECTION KEY MAP
NTS

- SECTION 1 - 21 LOTS
- SECTION 2 - 25 LOTS
- SECTION 3 - 32 LOTS

PROPOSED BULK REQUIREMENTS
ZONE RU (RURAL)
CLUSTER (LOTS 1-75)

	MIN. REQUIRED	PROVIDED
LOT AREA (SQ.FT.)	10,000	>10,000
FRONT YARD (FT.)	25	>25
REAR YARD (FT.)	15	>15
SIDE YARD (FT.)	10	>10
ROAD FRONTAGE (FT.)	80	>80
	MAX. PERMITTED	PROVIDED
IMP. COVERAGE (%)	46	<46
BLDG. HEIGHT (FT.)	35	<35

PROPOSED BULK REQUIREMENTS
ZONE RU (RURAL)
ESTATE LOTS (LOTS 76-78)

	MIN. REQUIRED	PROVIDED
LOT AREA (AC.)	2.0	>2.0
FRONT YARD (FT.)	50	>50
REAR YARD (FT.)	50	>50
SIDE YARD (FT.)	50	>50
ROAD FRONTAGE (FT.)	200	>200
	MAX. PERMITTED	PROVIDED
IMP. COVERAGE (%)	20	<20
BLDG. HEIGHT (FT.)	35	<35

TABLE OF AREAS:

LOT DESCRIPTION	LOT AREA (AC.)
RESIDENTIAL LOTS:	
CLUSTER	23.78±
LOT 76 (TOTAL)	62.49±
LOT 76 (DEVELOPABLE)	18.66±
LOT 77	6.92±
LOT 78	17.10±
PARCEL A (CONVEYED TO TAX PARCEL 8-1-9.21)	1.56±
WELL PARCELS:	
WELL PARCEL C	8.51±
WELL PARCEL D	2.41±
WELL PARCEL E	1.76±
DRAINAGE PARCELS:	
DRAINAGE PARCEL A	0.78±
DRAINAGE PARCEL B	1.98±
DRAINAGE PARCEL C	0.77±
OPEN SPACE PARCELS:	
AGRICULTURAL CONSERVATION EASEMENT (P/O LOT 76)	43.83±
OPEN SPACE PARCEL A	70.38±
OPEN SPACE PARCEL B	42.16±
H.O.A. OPEN SPACE PARCEL C	1.12±

FULL PLAN SET DRAWING INDEX

SHEET NO.	O.C.H.D. NO.	TITLE
1	1	COVER SHEET
2		EXISTING CONDITIONS
3-5	2-4	SUBDIVISION PLAT 1-3
6-8	5-7	UTILITY PLAN 1-3
9-11		GRADING PLAN 1-3
12		ACCESS AND UTILITY PLAN FOR WELL SITES
13	8	GRADING AND UTILITY PLAN FOR LOTS 76-78
14		OFFSITE IMPROVEMENTS UTILITY PLAN
15		EROSION CONTROL PLAN
16		EROSION CONTROL DETAILS
17-18		LANDSCAPE, LIGHTING PLAN AND DETAILS
19		PROFILE SHEET 1
20		PROFILE SHEET 2
21		PROFILE SHEET 3
22		PROFILE SHEET 4
23		PROFILE SHEET 5
24		STORMWATER DETAILS 1
25		STORMWATER DETAILS 2
26		SITE DETAILS 1
27		SITE DETAILS 2
28	9	SEWER DETAILS
29	10	WATER DETAILS
30	11	LOTS 76-78 DETAILS

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

AREA = 249.76± ACRES
TOWN OF GOSHEN
TAX MAP SECTION 11 BLOCK 1 LOT 98.62
& SECTION 8 BLOCK 1 LOT 9.22

RESERVED FOR HEALTH DEPARTMENT APPROVAL

ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

This is to certify that the proposed arrangements for water supply and sewage disposal for this realty subdivision in accordance with plans on file in the office of the County Department of Health are hereby approved. Consent is hereby given to the filing of a map on which this endorsement appears in the office of the County Clerk in accordance with the provisions of Section 1117 of the Public Health Law.

October 23, 2016

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. _ OF _.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _.

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
292 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. 065337
MICHAEL F. CORRIGAN P.L.S. — LICENSE NO. 050323
GEORGE J. PIETRZAK P.E. P.LS. HYDROGRAP — LICENSE NO. 070978 P.LS. LICENSE NO. 050075 — LICENSE NO. 35398
SIGNATURE DATE 10-17-16

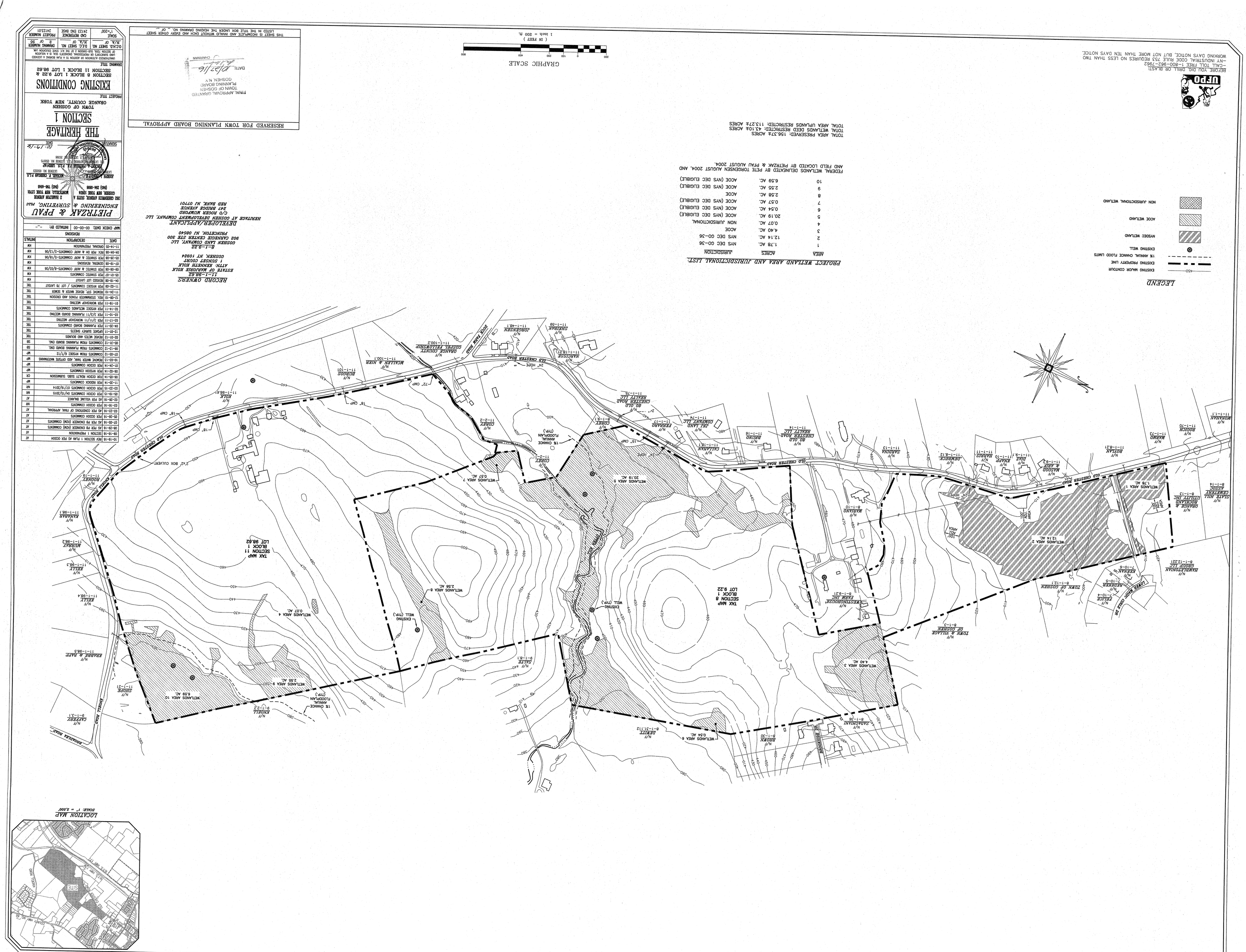
THE HERITAGE
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
PROJECT TITLE

COVER SHEET
SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62
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.	D.E.C. SHEET NO.	DRAWING NUMBER
1 OF 11	N/A. OF _	1 OF 30
SCALE	CAD REFERENCE	PROJECT NUMBER
1"=200'	24123 ENG BASE	24123.01

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.



10-19-16	REV SECTION 1 PLAN AS PER DOCKH	AT
09-16-16	SECTION 1 PREPARATION	AT
09-29-16	AS PER PB DIRECTOR (DGW) COMMENTS	AT
07-05-16	AS PER PB DIRECTOR (DGW) COMMENTS	AT
03-23-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
02-26-16	AS PER VOLUME BALANCE	AT
02-16-16	PER DOCKH COMMENTS	NS
01-24-16	PER DOCKH COMMENTS	NS
06-02-15	PER DOCKH COMMENTS 07/18/2014	NS
05-19-15	PER DOCKH COMMENTS 04/15/2015	NS
03-23-15	PER DOCKH COMMENTS 07/18/2014	NS
11-20-14	PER DOCKH COMMENTS	MP
06-02-14	PER WESDOH COMMENTS	MP
05-05-14	PER DOCKH REALTY SUBD. SUBMISSION	CG
11-20-13	PER DOCKH COMMENTS	MP
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05-01-07	PER STATEC COMMENTS	MK
09-06-06	PER STATEC & ARE COMMENTS-8/03/06	MK
07-19-06	GENERAL REVISIONS	MK
05-26-06	PER STATEC & ARE COMMENTS-5/18/06	MK
04-04-06	REV PER STATEC & ARE COMMENTS-2/13/06	MK
11-14-05	GENERAL PREPARATION	MK

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2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-6646
JOSEPH A. PIETRZAK JR. PLS 1050DAF
LICENSED AND BONDED
LICENSED AND BONDED
JOSEPH A. PIETRZAK JR. PLS
NEW YORK
049615
SIGNATURE
DATE
10-19-16

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

REVISIONS

DATE	DESCRIPTION	INITIALS

THE HERITAGE
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ORANGE COUNTY, NEW YORK
PROJECT TITLE
EXISTING CONDITIONS
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SECTION 11 BLOCK 1 LOT 98.62
DRAWING TITLE
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SCALE	OLD REFERENCE	PROJECT NUMBER
1"=200'	2412I ENS BASE	2412I.01

SHEET NO.	DRAWING NUMBER
N/A OF ___	2 OF 20

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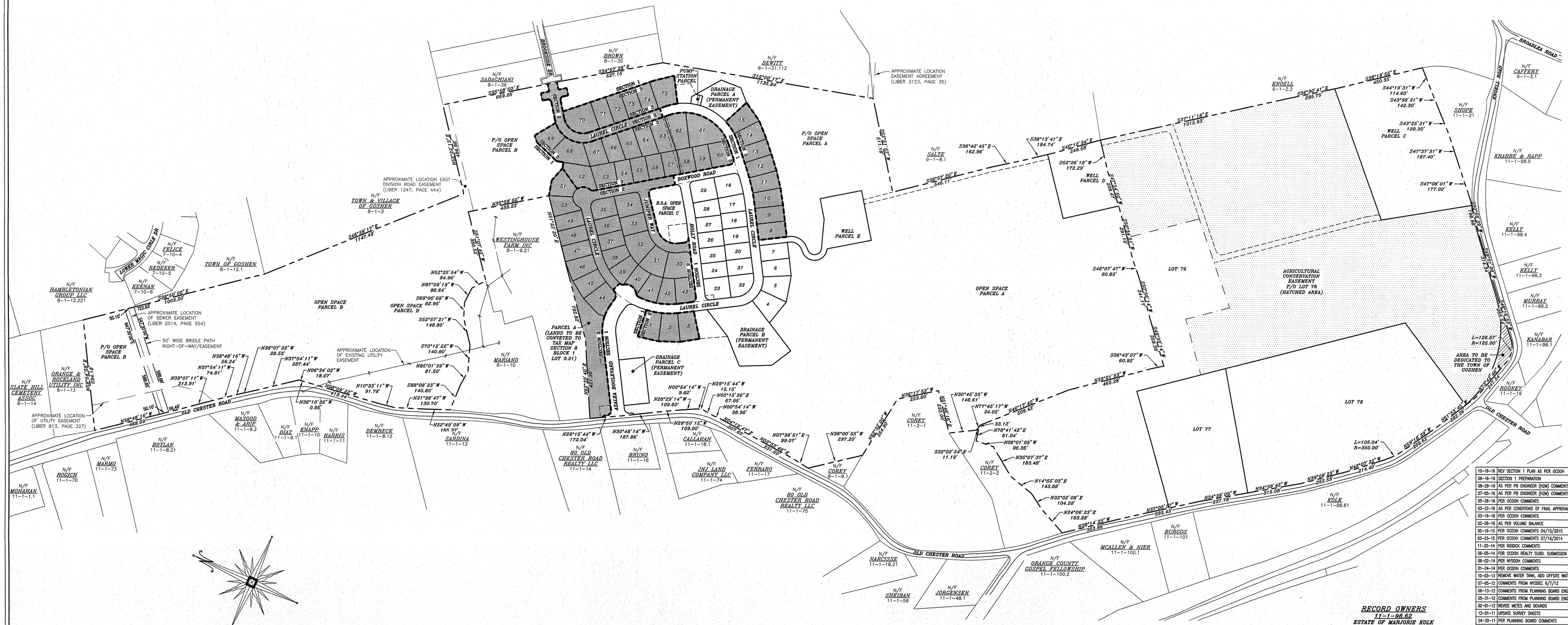
10. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
11. SUBJECT TO THE RIPARIAN RIGHTS BY OTHERS TO THE WATER COURSES SHOWN HEREON.
12. MAP REFERENCES:-
    A MAP ENTITLED "PLAN OF TWO LOT SUBDIVISION FOR AFTON PROPERTIES ASSOCIATES" FILED WITH THE ORANGE COUNTY CLERK'S OFFICE ON AUGUST 12, 1987 AS MAP NO. 8431.
    A SURVEY MAP ENTITLED "SURVEY OF PROPERTY FOR HOFFMAN-WALKER INC." DATED OCTOBER 22, 2001.
13. DEED REFERENCE: LIBER 2549, PAGE 269
14. SUBJECT TO THE FINDINGS LISTED IN THE COMMONWEALTH LAND TITLE INSURANCE COMPANY TITLE REPORT NO. CR040082, DATED MARCH 11, 2004.
15. ALL EXISTING FEATURES ARE NOT SHOWN HEREON.
16. MONUMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 83-13N OF THE TOWN CODE.



LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED EASEMENT
- PROPOSED AGRICULTURAL CONSERVATION EASEMENT

I HEARBY CERTIFY THAT THIS MAP HAS BEEN PREPARED FROM AN ACTUAL FIELD SURVEY COMPLETED IN JUNE, 2005.

RECORD OWNERS

11-1-98.62
ESTATE OF MARJORIE KOLK
ATTN: KENNETH KOLK
1 SUNSET COURT
GOSHEN, NY 10924

9-1-9.22
GOSHEN LAND COMPANY, LLC
902 CARNEGIE CENTER STE 300
PRINCETON, NJ 08540

DEVELOPER/APPLICANT

HERITAGE AT GOSHEN DEVELOPMENT COMPANY, LLC
C/O ROGER MUMFORD
247 BRIDGE AVENUE
RED BANK, NJ 07701

9-1-1 ADDRESS TABLE

LOT NO.	ADDRESS	LOT NO.	ADDRESS
LOT 1	57 LAUREL CIRCLE	LOT 41	58 LAUREL CIRCLE
LOT 2	55 LAUREL CIRCLE	LOT 42	56 LAUREL CIRCLE
LOT 3	53 LAUREL CIRCLE	LOT 43	54 LAUREL CIRCLE
LOT 4	49 LAUREL CIRCLE	LOT 44	61 LAUREL CIRCLE
LOT 5	47 LAUREL CIRCLE	LOT 45	63 LAUREL CIRCLE
LOT 6	45 LAUREL CIRCLE	LOT 46	65 LAUREL CIRCLE
LOT 7	43 LAUREL CIRCLE	LOT 47	67 LAUREL CIRCLE
LOT 8	39 LAUREL CIRCLE	LOT 48	69 LAUREL CIRCLE
LOT 9	37 LAUREL CIRCLE	LOT 49	71 LAUREL CIRCLE
LOT 10	35 LAUREL CIRCLE	LOT 50	73 LAUREL CIRCLE
LOT 11	33 LAUREL CIRCLE	LOT 51	75 LAUREL CIRCLE
LOT 12	31 LAUREL CIRCLE	LOT 52	77 LAUREL CIRCLE
LOT 13	29 LAUREL CIRCLE	LOT 53	2 BOXWOOD ROAD
LOT 14	27 LAUREL CIRCLE	LOT 54	4 BOXWOOD ROAD
LOT 15	25 LAUREL CIRCLE	LOT 55	6 BOXWOOD ROAD
LOT 16	32 LAUREL CIRCLE	LOT 56	8 BOXWOOD ROAD
LOT 17	36 LAUREL CIRCLE	LOT 57	10 BOXWOOD ROAD
LOT 18	38 LAUREL CIRCLE	LOT 58	12 BOXWOOD ROAD
LOT 19	40 LAUREL CIRCLE	LOT 59	14 BOXWOOD ROAD
LOT 20	42 LAUREL CIRCLE	LOT 60	16 BOXWOOD ROAD
LOT 21	44 LAUREL CIRCLE	LOT 61	22 LAUREL CIRCLE
LOT 22	50 LAUREL CIRCLE	LOT 62	20 LAUREL CIRCLE
LOT 23	1 HOLLY ROAD	LOT 63	18 LAUREL CIRCLE
LOT 24	3 HOLLY ROAD	LOT 64	16 LAUREL CIRCLE
LOT 25	5 HOLLY ROAD	LOT 65	12 LAUREL CIRCLE
LOT 26	7 HOLLY ROAD	LOT 66	8 LAUREL CIRCLE
LOT 27	9 HOLLY ROAD	LOT 67	6 LAUREL CIRCLE
LOT 28	11 HOLLY ROAD	LOT 68	4 LAUREL CIRCLE
LOT 29	15 HOLLY ROAD	LOT 69	2 LAUREL CIRCLE
LOT 30	2 JUNIPER WAY	LOT 70	7 LAUREL CIRCLE
LOT 31	4 JUNIPER WAY	LOT 71	9 LAUREL CIRCLE
LOT 32	6 JUNIPER WAY	LOT 72	11 LAUREL CIRCLE
LOT 33	8 JUNIPER WAY	LOT 73	15 LAUREL CIRCLE
LOT 34	10 JUNIPER WAY	LOT 74	17 LAUREL CIRCLE
LOT 35	72 LAUREL CIRCLE	LOT 75	19 LAUREL CIRCLE
LOT 36	70 LAUREL CIRCLE	PUMP STATION PARCEL	21 LAUREL CIRCLE
LOT 37	68 LAUREL CIRCLE		
LOT 38	64 LAUREL CIRCLE		
LOT 39	62 LAUREL CIRCLE	WELL PARCEL E	41 LAUREL CIRCLE
LOT 40	60 LAUREL CIRCLE		

RESERVED FOR HEALTH DEPARTMENT APPROVAL

ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
By direction of the State Commissioner of Health these plans are hereby approved pursuant to the Public Health Law. See first sheet for date and signature.

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. _ OF _.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _.

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (HDM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (HDM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-06-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

REVISIONS

MAP CHECK DATE: 00-00-00 | INITIALED BY: -_-

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
292 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-6006
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646
JOSEPH J. PFAU P.E.
LICENSE NO. 065342
MICHAEL F. CORRIGAN P.L.S.
LICENSE NO. 050323
JOSEPH J. PFAU P.E., MICHAEL F. CORRIGAN P.L.S.
PIETRZAK & PFAU ENGINEERING & SURVEYING, PLLC
CERTIFICATE OF AUTHORIZATION NO. 000075
NEW YORK LICENSE NO. 049846
10-19-16
SIGNATURE DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

SUBDIVISION PLAT 1

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

DRAWING TITLE

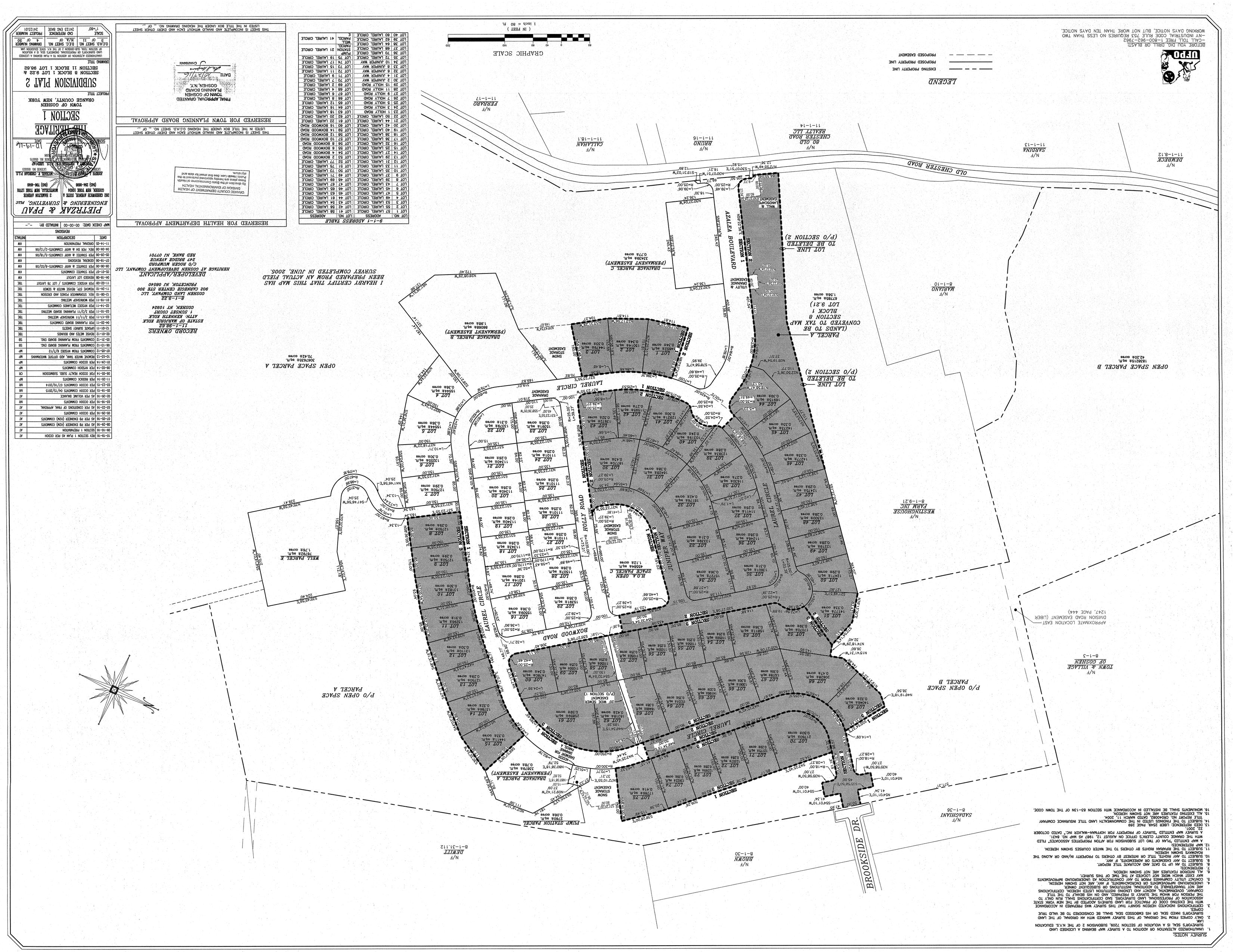
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

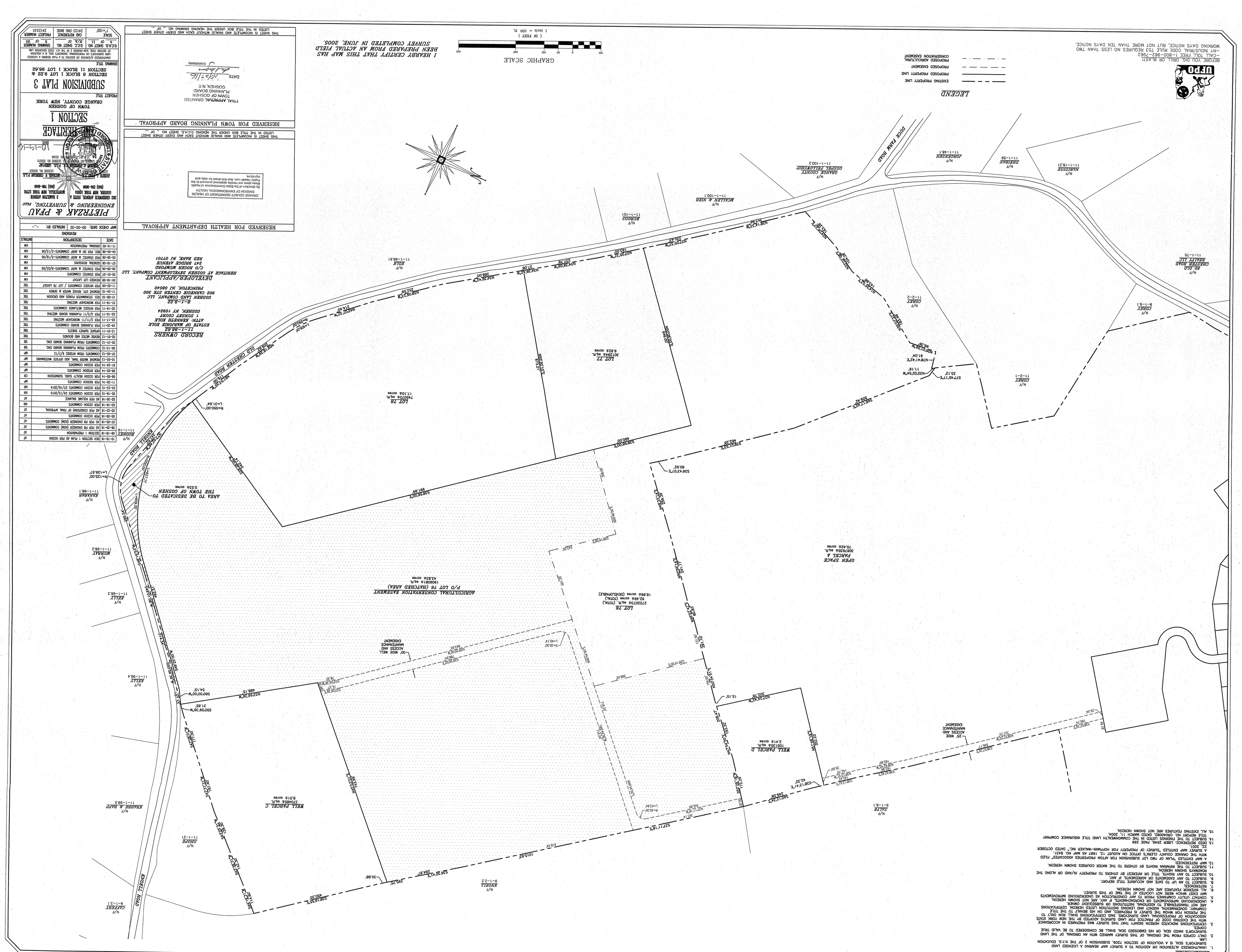
O.C.H.D. SHEET NO.	D.E.C. SHEET NO.	DRAWING NUMBER
2 OF 11	N/A OF ____	3 OF 30
SCALE 1"=200'	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01

TOTAL AREA = 249.76± ACRES
TOWN OF GOSHEN
TAX MAP SECTION 11 BLOCK 1 LOT 98.62
& SECTION 8 BLOCK 1 LOT 9.22

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

UFPO
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.


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.
2. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S SEAL OR WITH EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
3. CERTIFICATIONS INDICATED HEREON SURVEY 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 AND CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND IN HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
4. UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY, ARE NOT SHOWN HEREON.
5. CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION AS UNDERGROUND IMPROVEMENTS MAY EXIST WHICH WERE NOT LOCATED AT THE TIME OF THIS SURVEY.
6. ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
7. REFERENCES:
8. SUBJECT TO AN UP TO DATE AND ACCURATE TITLE REPORT.
9. SUBJECT TO ANY EASEMENTS OR AGREEMENTS, IF ANY.
10. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST OR OTHERS IN PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
11. SUBJECT TO THE RIPARIAN RIGHTS BY OTHERS TO THE WATER COURSES SHOWN HEREON.
12. MAP REFERENCES:
A. MAP EMITTED "PLAN OF TWO LOT SUBDIVISION FOR AYTON PROPERTIES ASSOCIATES" FILED WITH THE ORANGE COUNTY CLERK'S OFFICE ON AUGUST 12, 1987 SK MAP NO. 8431.
B. SURVEY MAP EMITTED "SURVEY OF PROPERTY FOR HOFFMAN-WALKER INC." DATED OCTOBER 22, 2001.
13. DEED REFERENCE: LIBER 2946, PAGE 289
14. SUBJECT TO THE RIGHTS LISTED IN THE COMMONWEALTH LAND TITLE INSURANCE COMPANY TITLE REPORT NO. CBG40082, DATED MARCH 11, 2004.
15. ALL EXISTING FEATURES ARE NOT SHOWN HEREON.
16. MONUMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 53-13A OF THE TOWN CODE.
BROOKSIDE DR.
N/F SADAGHIANI 8-1-36
N/F BROWN 8-1-30
N/F DEWITT 8-1-31.112
PUMP STATION PARCEL 0.06± acres
PARCEL A (LANDS TO BE CONVEYED TO TAX MAP SECTION 8 BLOCK 1 LOT 9.21) 6758± sq.ft. 1.56± acres
LOT LINE TO BE DELETED (P/O SECTION 2)
LOT LINE TO BE DELETED (P/O SECTION 2)
OPEN SPACE PARCEL B 1828215± sq.ft. 42.0± acres
OPEN SPACE PARCEL A 3067635± sq.ft. 70.42± acres
N/F MARIANO 8-1-10
N/F WESTNHOUSE EARL INC 8-1-9.21
N/F TOWN & VILLAGE OF GOSHEN 8-1-3
APPROXIMATE LOCATION EAST DIVISION ROAD EASEMENT (LIBER 1247, PAGE 444)
P/O OPEN SPACE PARCEL B
P/O OPEN SPACE PARCEL A
WELL PARCEL E 76928 sq.ft. 1.76± acres
OLD CHESTER ROAD
N/F DEMERICK 11-1-8.12
N/F SABINA 11-1-13
N/F OLD CHESTER ROAD REALTY LLC 11-1-14
N/F BRINO 11-1-16
N/F CALLAHAN 11-1-18.1
N/F FERRARO 11-1-17
AZALEA BOULEVARD
SECTION 1
SECTION 2
SECTION 3
LAUREL CIRCLE
HOLLY ROAD
JUNIPER WAY
BOXWOOD ROAD
H.O.A. OPEN SPACE PARCEL C 45564 sq.ft. 1.12± acres
DRAINAGE PARCEL C (PERMANENT EASEMENT) 3436± sq.ft. 0.77± acres
DRAINAGE PARCEL B (PERMANENT EASEMENT) 1,882± sq.ft.
DRAINAGE PARCEL A (PERMANENT EASEMENT) 2387± sq.ft. 0.78± acres
SNOW STORAGE EASEMENT
UTILITY & DRAINAGE EASEMENT
WALK & LANDSCAPE EASEMENT
20' WIDE SEWER EASEMENT (P/O SECTION 1)
LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 LOT 17 LOT 18 LOT 19 LOT 20 LOT


SUBDIVISION PLAT 3
SECTION 8 BLOCK 1 LOT 9.22 & SECTION 11 BLOCK 1 LOT 98.62
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLC
262 GOSHEN NEW YORK 10924
(845) 294-0006
2 HAUPPAUGE NEW YORK 11788
(845) 724-0846
LICENSED LAND SURVEYOR
LICENSED PROFESSIONAL ENGINEER
RESERVED FOR TOWN PLANNING BOARD APPROVAL
FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE
DRAWING TITLE
SECTION 8 BLOCK 1 LOT 9.22 & SECTION 11 BLOCK 1 LOT 98.62
SCALE 1"=100'
CAD REFERENCE 24123 END BASE
PROJECT NUMBER 24123.01
D.C.H.D. SHEET NO. N/A
D.E.C. SHEET NO. N/A
DRAWING NUMBER
SHEET 4 OF 11
SHEET 4 OF 30
EXISTING PROPERTY LINE
PROPOSED PROPERTY LINE
PROPOSED EASEMENT
PROPOSED AGRICULTURAL CONSERVATION EASEMENT
GRAPHIC SCALE
(IN FEET)
1 inch = 100 ft.
I HEREBY CERTIFY THAT THIS MAP HAS BEEN PREPARED FROM AN ACTUAL FIELD SURVEY COMPLETED IN JUNE, 2006.
RECORD OWNERS
11-1-98.62
ESTATE OF MARJORIE KOLK
ATTN: KENNETH KOLK
1 SUNSET COURT
GOSHEN, NY 10924
R-1-9.22
GOSHEN LAND COMPANY, LLC
902 CLARKSON CENTER STE 300
PRINCETON, NJ 08540
DEVELOPER/APPLICANT
HERITAGE AT GOSHEN DEVELOPMENT COMPANY, LLC
c/o ROGER MUNFORD
247 BRIDGE AVENUE
RED BANK, NJ 07701
OPEN SPACE PARCEL A
3067635± sq.ft.
70.425 acres
LOT 78
2722073± sq.ft. (TOTAL)
62.485 acres (TOTAL)
18.662± acres (DEVELOPABLE)
AGRICULTURAL CONSERVATION EASEMENT
P/O LOT 78 (HATCHED AREA)
1950981± sq.ft.
43.82± acres
AREA TO BE DEDICATED TO THE TOWN OF GOSHEN
0.52± acres
LOT 77
3072962± sq.ft.
6.924 acres
LOT 78
7450705± sq.ft.
17.104 acres
KEILL PARCEL C
370482± sq.ft.
8.51± acres
KEILL PARCEL D
1001132± sq.ft.
2.41± acres
30' WIDE WELL ACCESS AND MAINTENANCE EASEMENT
25' WIDE ACCESS AND MAINTENANCE EASEMENT
OLD GOSHEN ROAD
DUCK POND ROAD
BOODLE ROAD
DUCK POND ROAD
N/F KOLK 11-1-92.61
N/F BUDDOS 11-1-101
N/F MCALLEN & NIER 11-1-100.1
N/F ORANGE COUNTY GOSHEN FELLOWSHIP 11-1-100.2
N/F JOHNSENSEN 11-1-46.1
N/F SHEHAN 11-1-39
N/F MACHOSSE 11-1-18.21
N/F OLD GOSHEN CHURCH ROAD REALTY LLC 11-1-75
N/F COHEN 8-1-9.1
N/F COHEN 11-2-1
N/F COHEN 11-2-2
N/F SALTE 9-1-6.1
N/F GOSHEL 9-1-2.2
N/F SHOPE 11-1-21
N/F KRABBE & BAPP 11-1-98.5
N/F KELLY 11-1-98.3
N/F KELLY 11-1-98.4
N/F MURRAY 11-1-98.2
N/F KAMMAR 11-1-98.1
N/F BOOMER 11-1-19
N/F GAFFERER 9-1-3.1
SURVEYOR'S 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.
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 MAY EXIST WHICH WERE NOT LOCATED AT THE TIME OF THIS SURVEY.
6. ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
7. REFERENCES:
8. SUBJECT TO AN UP TO DATE AND ACCURATE TITLE REPORT.
9. BOUNDARIES SHOWN HEREON.
10. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE
11. SUBJECT TO THE REPARIAN RIGHTS BY OTHERS TO THE WATER COURSES SHOWN HEREON.
12. MAP REFERENCES:
A MAP PREPARED BY CHRISTOPHER J. PIETRZAK & ASSOCIATES, FILED WITH THE ORANGE COUNTY CLERK'S OFFICE ON AUGUST 12, 1987 MAP NO. 8431.
A SURVEY MAP ENTITLED "SURVEY OF PROPERTY FOR HOFFMAN-MALKIER INC." DATED OCTOBER 22, 2001.
13. DEED REFERENCE: LIBER 2849, PAGE 269
14. SUBJECT TO THE FINDINGS LISTED IN THE COMMONWEALTH LAND TITLE INSURANCE COMPANY TITLE REPORT NO. CRO40082, DATED MARCH 11, 2004.
15. ALL EXISTING FEATURES ARE NOT SHOWN HEREON.
THIS SHEET IS INCOMPLETE UNLESS AND UNTIL THE REMAINING SHEETS LISTED IN THE TITLE BOX UNDER THE HEADING O.C.H.D. SHEET NO. _ OF _ ARE ATTACHED
ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
These plans are hereby approved pursuant to the powers delegated by directors of the State Commissioner of Health Public Health Law. See filed plans for date and signature.
RESERVED FOR HEALTH DEPARTMENT APPROVAL
THIS SHEET IS INCOMPLETE UNLESS AND UNTIL THE REMAINING SHEETS LISTED IN THE TITLE BOX UNDER THE HEADING D.E.C. SHEET NO. _ OF _ ARE ATTACHED
MAP CHECK DATE: 00-00-00 INITIALED BY: --
REVISIONS
DATE DESCRIPTION INITIALS
11-14-05 ORIGINAL PREPARATION XW
06-06-06 REV. PER DH & NYSE COMMENTS-2/13/06 XW
05-26-06 PER STAVITZ & NYSE COMMENTS-5/18/06 XW
07-19-06 GENERAL REVISIONS XW
09-06-06 PER STAVITZ & NYSE COMMENTS-8/03/06 XW
05-01-07 PER STAVITZ COMMENTS XW
06-18-08 REVISED LOT LAYOUT XW
11-05-09 PER NYSDEC COMMENTS / LOT 78 LAYOUT TBC
11-24-10 REMOVE SYR. REMOVE WATER & SEWER TBC
12-06-10 REV. STORMWATER PONDS AND EROSION TBC
01-19-11 PER WORKSHOP MEETING TBC
02-16-11 PER NYSDEC WETLANDS COMMENTS TBC
04-20-11 PER PLANNING BOARD COMMENTS TBC
05-11-11 PER 3/31/11 WORKSHOP MEETING TBC
05-10-11 PER 3/31/11 PLANNING BOARD MEETING TBC
05-31-12 COMMENTS FROM PLANNING BOARD DNJ. SB
06-13-12 COMMENTS FROM PLANNING BOARD DNJ. SB
07-05-12 COMMENTS FROM NYSDEC 6/7/12 MP
10-05-12 REVISE SURVEY SHEETS TBC
02-01-13 REVISE METES AND BOUNDS TBC
12-01-13 UPDATE SURVEY SHEETS TBC
01-24-14 PER OCDOH COMMENTS MP
06-02-14 PER NYSDOH COMMENTS MP
06-05-14 PER OCDOH REALTY SUBD. SUBMISSION CF
11-20-14 PER NYSDOH COMMENTS MP
05-23-15 PER OCDOH COMMENTS 07/16/2014 NR
05-19-15 PER OCDOH COMMENTS 04/13/2015 NR
02-26-16 AS PER VOLUME BALANCE AT
03-16-16 PER OCDOH COMMENTS NR
03-22-16 AS PER CONDITIONS OF FINAL APPROVAL AT
05-26-16 PER OCDOH COMMENTS AT
07-05-16 AS PER ENGINEER (HDM) COMMENTS AT
06-29-16 AS PER PB ENGINEER (HDM) COMMENTS AT
09-16-16 SECTION 1 REPARATION AT
10-19-16 REV SECTION 1 PLAN AS PER OCDOH AT
LICENSED LAND SURVEYOR
STATE OF NEW YORK
LICENSE NO 050025
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
LICENSE NO 050075
DATE 10-19-16

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.

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED BUILDING SETBACK LINE
- PROPOSED EASEMENT
- W — PROPOSED WATERMAIN
- FM — PROPOSED FORCEMAIN
- SS — PROPOSED 4" SDR 35 SANITARY SERVICE
- WS — PROPOSED 3/4" TYPE K COPPER WATER SERVICE
- 450 — MAJOR CONTOUR
- MINOR CONTOUR
- PROPOSED WATER SERVICE SHUTOFF
- PROPOSED SEWER SERVICE CLEANOUT
- PROPOSED OUTLET CONTROL STRUCTURE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED SEWER MANHOLE
- WV — PROPOSED WATER VALVE
- PROPOSED HYDRANT
- PROPOSED STREET LIGHT
- ACOE WETLAND
- LOT 1 — FILED MAP LOT NUMBER
- 57 — STREET ADDRESS

RESERVED FOR HEALTH DEPARTMENT APPROVAL

ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
By direction of the State Commissioner of Health these plans are hereby approved pursuant to the Public Health Law. See first sheet for date and signature.

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. _ OF _.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.

DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _.

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (HZM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (HZM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-19-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS–8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS–5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS–2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

REVISIONS

MAP CHECK DATE: 00-00-00 | INITIALED BY: -.-

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-6000
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4040
JOSEPH J. PFAU P.E. LICENSE NO. 065337
MICHAEL F. CORRIGAN P.L.S. LICENSE NO. 050323
ENGINEERING CERTIFICATION
LAND SURVEYING CERTIFICATION
SIGNATURE
10-19-16
DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

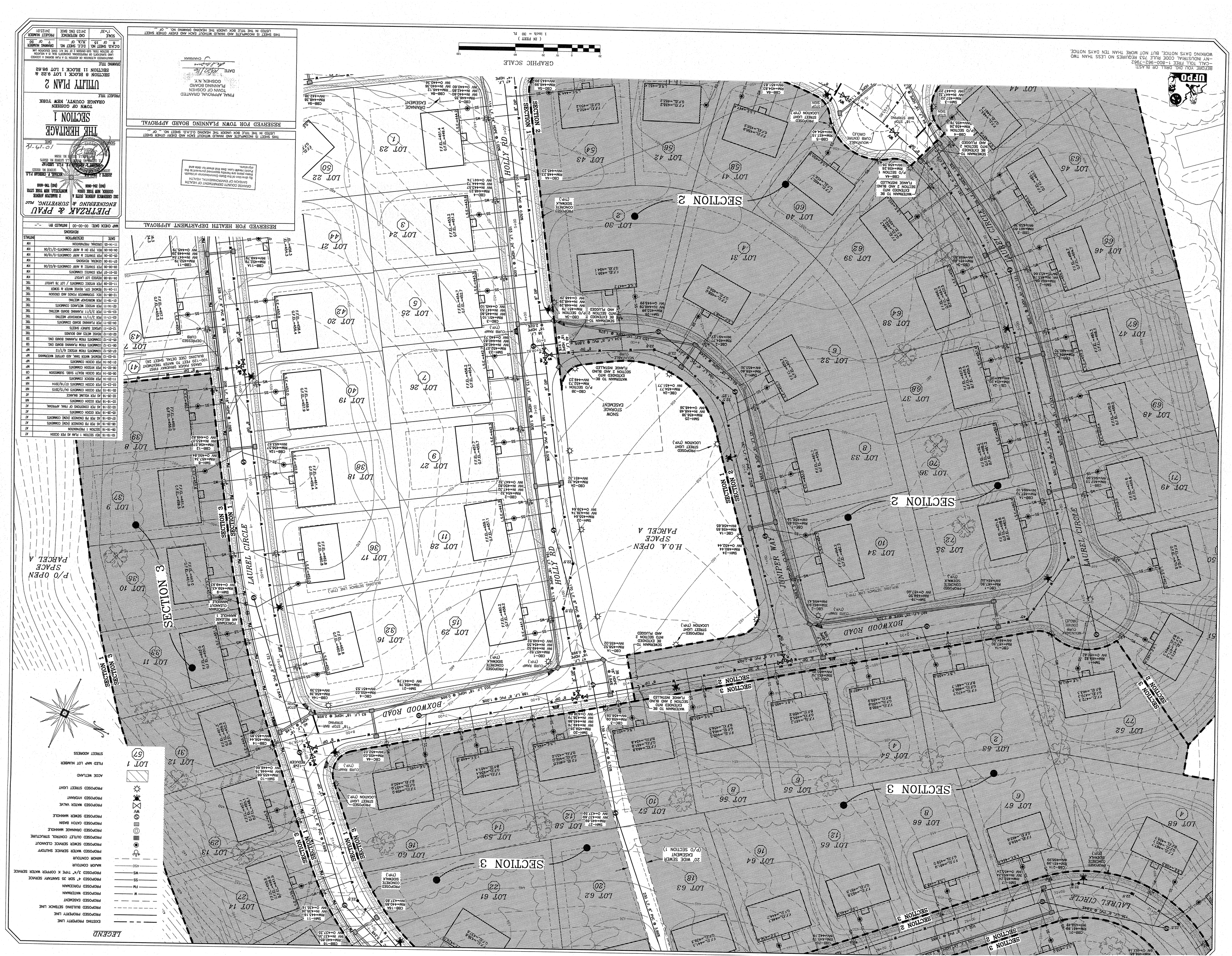
UTILITY PLAN 1

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
5 OF 11	N/A. OF	6 OF 30
SCALE 1"=30'	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01


SECTION 1
SECTION 2
SECTION 3
HOLLY RD
LAUREL CIRCLE
BOXWOOD ROAD
JUNIPER WAY
H.O.A. OPEN SPACE PARCEL A
P/O OPEN SPACE PARCEL A
SNOW STORAGE EASEMENT
DRAINAGE EASEMENT
20' WIDE SEWER EASEMENT (P/O SECTION 1)
PROPOSED STREET LIGHT LOCATION (TYP.)
PROPOSED CONCRETE SIDEWALK (TYP.)
CURB RAMP (TYP.)
WATERMAIN TO BE EXTENDED INTO SECTION 2 AND BLIND FLANGE INSTALLED
SEWERMAIN TO BE EXTENDED INTO SECTION 2 AND PLUGGED
BUILDING SETBACK LINE (TYP.)
FIREMAIN AIR RELEASE VALVE
CLEANOUT
ADOC WETLAND
FILED MAP LOT NUMBER
STREET ADDRESS
LEGEND
EXISTING PROPERTY LINE
PROPOSED PROPERTY LINE
PROPOSED BUILDING SETBACK LINE
PROPOSED EASEMENT
PROPOSED WATERMAIN
PROPOSED FIREMAIN
PROPOSED 4" SDR 35 SANITARY SEWER
PROPOSED 3/4" TYPE K COPPER WATER SERVICE
MAJOR CONTOUR
MINOR CONTOUR
PROPOSED WATER SERVICE SHUTOFF
PROPOSED SEWER SERVICE CLEANOUT
PROPOSED OUTLET CONTROL STRUCTURE
PROPOSED DRAINAGE MANHOLE
PROPOSED CATCH BASIN
PROPOSED SEWER MANHOLE
PROPOSED STREET LIGHT
PROPOSED WATER VALVE
PROPOSED HYDRANT
GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.
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. __ OF __
ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
By direction of the Commissioner of Health
These plans are hereby approved pursuant to the Public Health Law. Does not limit or waive any other requirements.
RESERVED FOR TOWN PLANNING BOARD APPROVAL
THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET USED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __
FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE
CHAIRMAN
DRAWING TITLE
UTILITY PLAN 2
SECTION 11 BLOCK 1 LOT 96.62
SECTION 8 BLOCK 1 LOT 9.22 &
PROJECT TITLE
THE HERITAGE
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
PIETRZAK & PFAU
ENGINEERING & SURVEYING PLLC
382 GOSHENHOUT HIGHWAY, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-0660
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-6666
JOSEPH J. PIETRZAK, P.E. PLS LICENSE NO. 065373
JOSEPH A. PFAU, P.E. LICENSE NO. 065373
SCOTT A. MOSKOWITZ, P.E. LICENSE NO. 065373
SCOTT A. MOSKOWITZ P.E.
LICENSE NO. 065373
10-19-16
DATE
MAP CHECK DATE: 00-00-00 INITIALED BY: --
REVISIONS
DATE DESCRIPTION INITIALS
10-19-16 REV SECTION 1 PLAN AS PER COCHA AT
09-16-16 SECTION 1 PREPARATION AT
09-29-16 AS PER PB ENGINEER (RDV) COMMENTS AT
09-26-16 AS PER COCHA COMMENTS AT
09-05-16 AS PER PB ENGINEER (RDV) COMMENTS AT
03-22-16 AS PER CONDITIONS OF FINAL APPROVAL AT
03-16-16 AS PER COCHA COMMENTS NR
02-26-16 AS PER VOLUME BALANCE AT
05-19-15 PER COCHA COMMENTS 04/15/2015 NR
02-25-15 PER COCHA COMMENTS 07/16/2014 NR
06-25-14 PER COCHA REALTY SUBD. SUBMISSION CR
11-20-13 PER BOCHOC COMMENTS WP
06-24-14 PER MISCHA COMMENTS WP
10-24-14 PER COCHA COMMENTS WP
10-03-13 REVISE WATER TANK ADD OFFSITE WATERMAINS WP
05-05-13 PER COCHA COMMENTS WP
06-13-12 COMMENTS FROM PLANNING BOARD DNC SG
05-31-12 COMMENTS FROM PLANNING BOARD DNC. SG
02-01-12 REVISE METES AND BOUNDS TRE
12-01-11 UPDATE SURVEY SHEETS TRE
04-20-11 PER PLANNING BOARD COMMENTS TRE
03-17-11 PER 3/1/11 WORKSHOP MEETING TRE
02-16-11 PER MISSOC MEETINGS COMMENTS TRE
01-19-11 PER WORKSHOP MEETING TRE
12-06-10 REV. STORMWATER PONDS AND DIVISION TRE
11-24-10 REVISE SITE REVISE WATER & SEWER TRE
11-02-10 PER WESSC COMMENTS / LOT 78 LAYOUT TRE
06-18-10 REVISED LOT LAYOUT TRE
05-07-07 PER STATEC COMMENTS TRE
09-06-06 PER STATEC & ARBF COMMENTS-8/23/06 KW
07-19-06 GENERAL REVISIONS KW
06-26-06 PER STATEC & ARBF COMMENTS-5/18/06 KW
04-06-06 REV PER R & ARBF COMMENTS-2/13/06 KW
11-16-05 ORIGINAL PREPARATION KW
ADOC WETLAND
FILED MAP LOT NUMBER
STREET ADDRESS
GRAPHIC SCALE
1 inch = 30 ft.
THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET USED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __
DRAWING TITLE
UTILITY PLAN 2
SECTION 11 BLOCK 1 LOT 96.62
SECTION 8 BLOCK 1 LOT 9.22 &
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW
O.C.H.D. SHEET NO. 6 OF 15
D.E.C. SHEET NO. N/A OF __
DRAWING NUMBER 7 OF 30
SCALE 1"=30'
OLD REFERENCE 2412D ENG BASE
PROJECT NUMBER 2412.01
PROJECT TITLE
THE HERITAGE
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
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.
UFPO

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED BUILDING SETBACK LINE
- PROPOSED EASEMENT
- W — PROPOSED WATERMAIN
- FM — PROPOSED FORCEMAIN
- SS — PROPOSED 4" SDR 35 SANITARY SERVICE
- WS — PROPOSED 3/4" TYPE K COPPER WATER SERVICE
- 450 — MAJOR CONTOUR
- MINOR CONTOUR
- PROPOSED WATER SERVICE SHUTOFF
- PROPOSED SEWER SERVICE CLEANOUT
- PROPOSED OUTLET CONTROL STRUCTURE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED SEWER MANHOLE
- WV — PROPOSED WATER VALVE
- PROPOSED HYDRANT
- PROPOSED STREET LIGHT
- ACOE WETLAND
- LOT 1 — FILED MAP LOT NUMBER
- 57 — STREET ADDRESS

BEFORE YOU DIG, DRILL OR BLAST!
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–NY INDUSTRIAL CODE RULE 753 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
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05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
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11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
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07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
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12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS–8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS–5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS–2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

REVISIONS

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

RESERVED FOR HEALTH DEPARTMENT APPROVAL

ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
By direction of the State Commissioner of Health these plans are hereby approved pursuant to the Public Health Law. See first sheet for date and signature.

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. _ OF _

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
292 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-6606
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-6646
MICHAEL P. CORRIGAN P.L.S.
LICENSE NO. 050333
JOHN J. PETRZAK JR. P.E., LS, LEED AP
LICENSE NO. 065079
JOHN J. PETRZAK P.E. LICENSE NO. 35295
SIGNATURE
10-19-16
DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN 3

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
7 OF 15	N/A OF	8 OF 30
SCALE	CAD REFERENCE	PROJECT NUMBER
1"=30'	24123 DIG BASE	24123.01

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.

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED BUILDING SETBACK LINE
- DLL — PROPOSED DISTURBANCE LIMIT LINE
- PROPOSED EASEMENT
- W — PROPOSED WATERMAIN
- FM — PROPOSED FORCEMAIN
- SS — PROPOSED 4" SDR 35 SANITARY SERVICE
- WS — PROPOSED 3/4" TYPE K COPPER WATER SERVICE
- 450 — MAJOR CONTOUR
- MINOR CONTOUR
- PROPOSED WATER SERVICE SHUTOFF
- PROPOSED SEWER SERVICE CLEANOUT
- PROPOSED OUTLET CONTROL STRUCTURE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED SEWER MANHOLE
- WV — PROPOSED WATER VALVE
- PROPOSED HYDRANT
- BC458.85 — BOTTOM CURB ELEVATION
- PROPOSED STREET LIGHT
- ACOE WETLAND
- LOT 1 — FILED MAP LOT NUMBER
- 57 — STREET ADDRESS

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE _____
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
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05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
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11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
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10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE NOTES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-16-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
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07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS–5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS–2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

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) 796-6646
JOSEPH J. PFAU P.E.
LICENSE NO. 065341
MICHAEL F. CORRIGAN P.L.S.
LICENSE NO. 050353
JOHN T. PIETRZAK P.E. P.L.S. LEED AP
LICENSE NO. 065341 P.E. LICENSE NO. 050075
P.L.S. LICENSE NO. 35396
SIGNATURE DATE 10-19-16

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

GRADING PLAN 1

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF	N/A OF	9 OF 30
SCALE 1"=30'	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01

LEGEND

	EXISTING PROPERTY LINE
	PROPOSED PROPERTY LINE
	PROPOSED BUILDING SETBACK LINE
DLL	PROPOSED DISTURBANCE LIMIT LINE
	PROPOSED EASEMENT
W	PROPOSED WATERMAIN
FM	PROPOSED FORCEMAIN
SS	PROPOSED 4" SDR 35 SANITARY SERVICE
WS	PROPOSED 3/4" TYPE K COPPER WATER SERVICE
450	MAJOR CONTOUR
	MINOR CONTOUR
	PROPOSED WATER SERVICE SHUTOFF
	PROPOSED SEWER SERVICE CLEANOUT
	PROPOSED OUTLET CONTROL STRUCTURE
	PROPOSED DRAINAGE MANHOLE
	PROPOSED CATCH BASIN
	PROPOSED SEWER MANHOLE
	PROPOSED WATER VALVE
	PROPOSED HYDRANT
BC458.85	BOTTOM CURB ELEVATION
	PROPOSED STREET LIGHT
	ACOE WETLAND
LOT 1	FILED MAP LOT NUMBER
(57)	STREET ADDRESS

DATE	DESCRIPTION	INITIALS
10-10-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-10-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
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11-20-14	PER RIDDICK COMMENTS	MP
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07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
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12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-06	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-08-06	PER STANTEC & ARRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & ARRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & ARRF COMMENTS-2/13/06	KW
11-14-03	ORIGINAL PREPARATION	KW

REVISIONS

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

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
292 GREENWICH AVENUE, SUITE A
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JOSEPH J. PIETRZAK P.E.
LICENSE NO. 065361
MICHAEL F. CROGNAN P.L.S.
LICENSE NO. 050303
JOHN J. PETRUCCI P.E.
LICENSE NO. 065361
JOHN J. PETRUCCI P.L.S. LICENSED LANDSCAPE ARCHITECT
LICENSE NO. 050075
LICENSE NO. 35356
SIGNATURE
10-10-16
DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

GRADING PLAN 2

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

DRAWING TITLE

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O.C.H.D. SHEET NO.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF	N/A OF	10 OF 30
SCALE 1"=30'	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER: 24123.01

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 12/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

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.

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
09-15-16	AS PER PB ENGINEER (H2M) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (H2M) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-06-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-16-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

REVISIONS

MAP CHECK DATE: 00-00-00 | INITIALED BY: -.-

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-6666
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646
JOSEPH J. PFAU P.E. LICENSE NO. 065337
MICHAEL P. CORRIGAN P.L.S. LICENSE NO. 050323
STATE OF NEW YORK
JOSEPH J. PFAU
LICENSED PROFESSIONAL ENGINEER
SIGNATURE
DATE 10-19-16

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

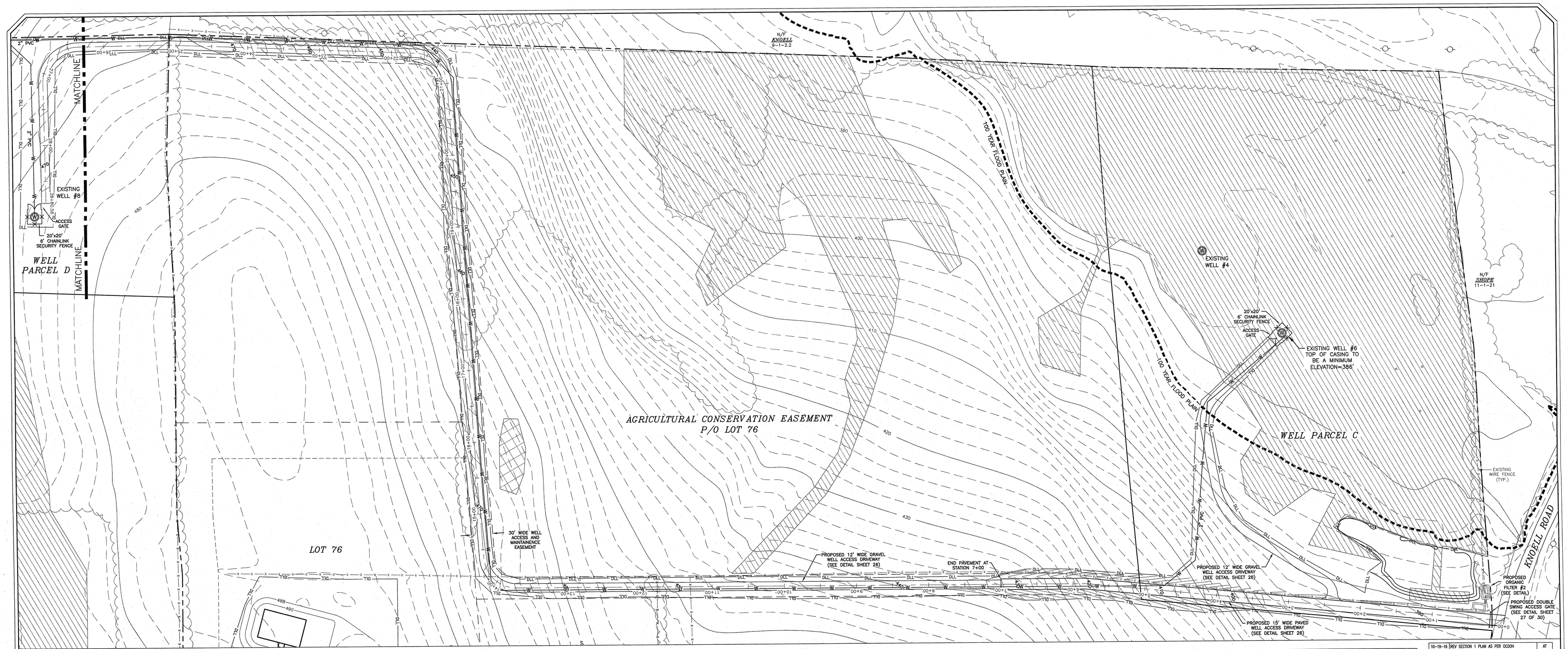
GRADING PLAN 3

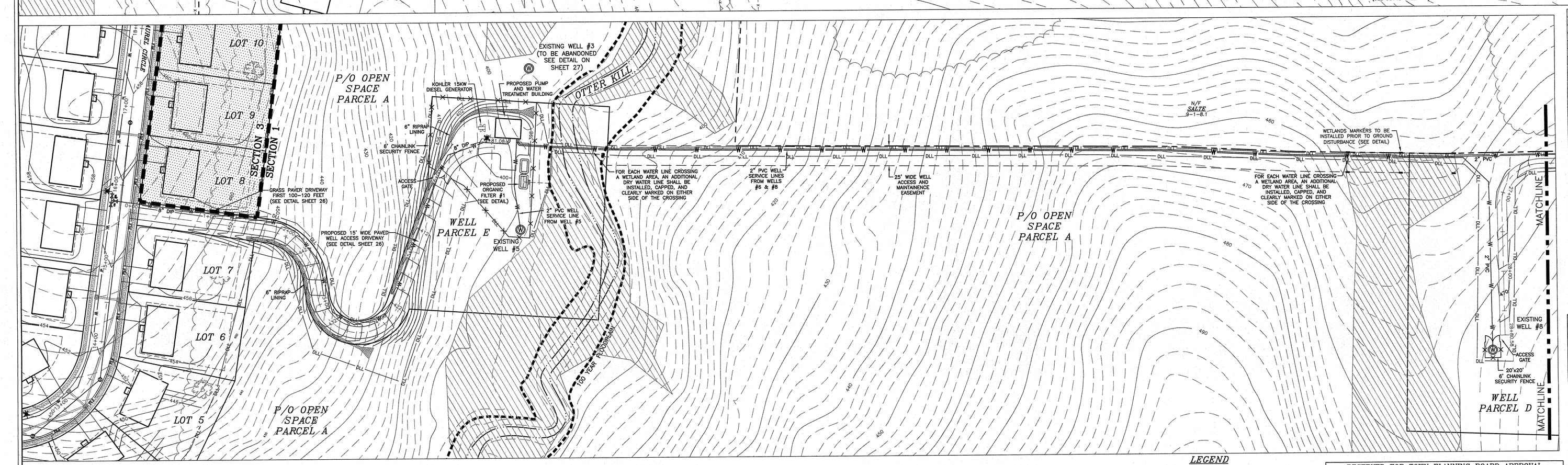
SECTION 8 BLOCK 1 LOT 9.22 & SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF	N/A OF	11 OF 50
SCALE 1"=30'	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01





DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER REDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

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
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(845) 796-6646
JOSEPH C. PIETRZAK P.E.
LICENSE NO. 065088
MICHAEL F. CORRIGAN P.L.S.
LICENSE NO. 050323
TIMOTHY J. PETTIGREW P.E., P.L.S., LEED®AP
P.E. LICENSE NO. 076946 P.L.S. LICENSE NO. 050075
C.E. LICENSE NO. 0088045
SIGNATURE
10-19-16
DATE

THE HERITAGE SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

ACCESS AND UTILITY PLAN FOR WELL SITES

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF	N/A OF	12 OF 30
SCALE 1"=50'	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED BUILDING SETBACK LINE
- PROPOSED EASEMENT
- PROPOSED AGRICULTURAL CONSERVATION EASEMENT
- W — PROPOSED WATERMAIN
- FM — PROPOSED FORCEMAIN
- 450 — MAJOR CONTOUR
- MINOR CONTOUR
- 1% ANNUAL CHANCE FLOOD LIMITS
- EXISTING WELL
- ACOE WETLAND

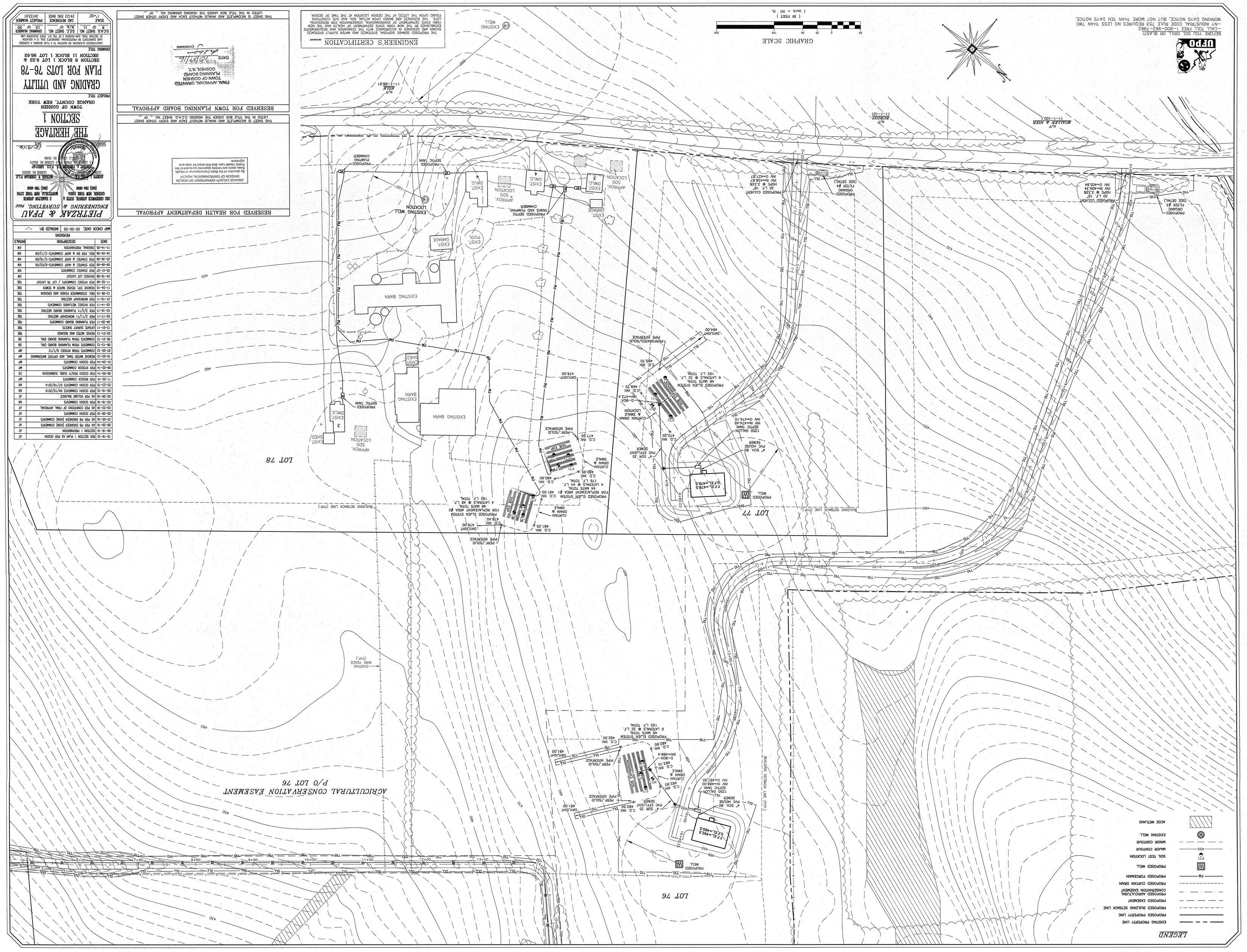
GRAPHIC SCALE

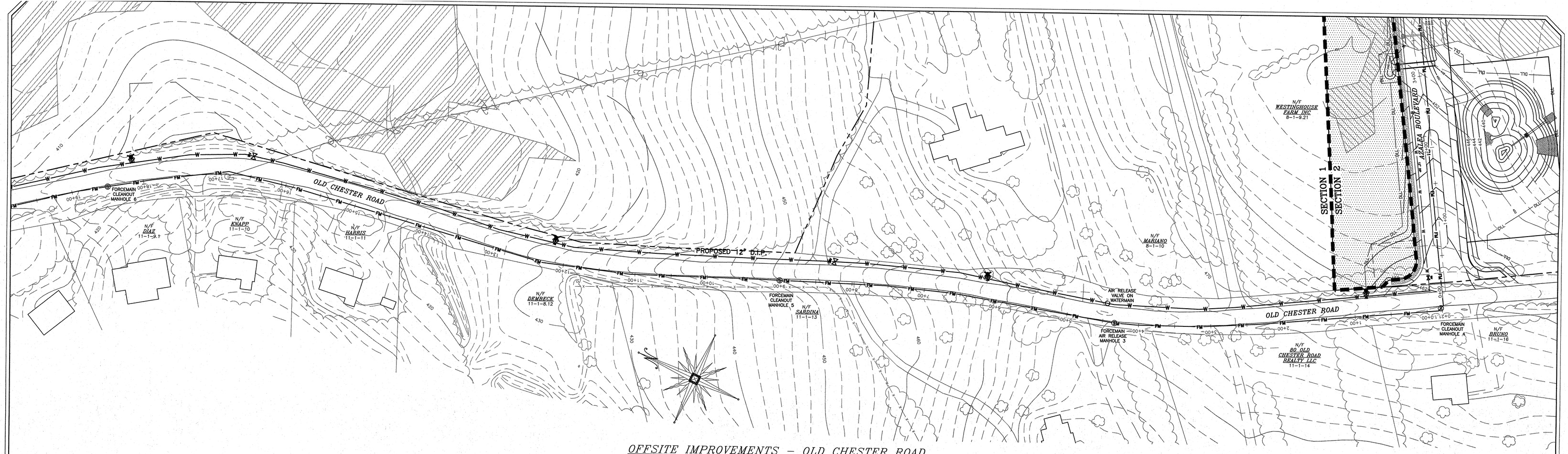
50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

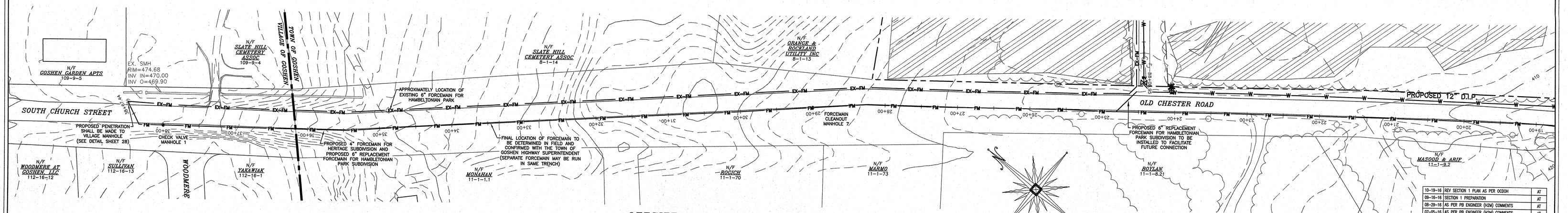
UFPO

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.

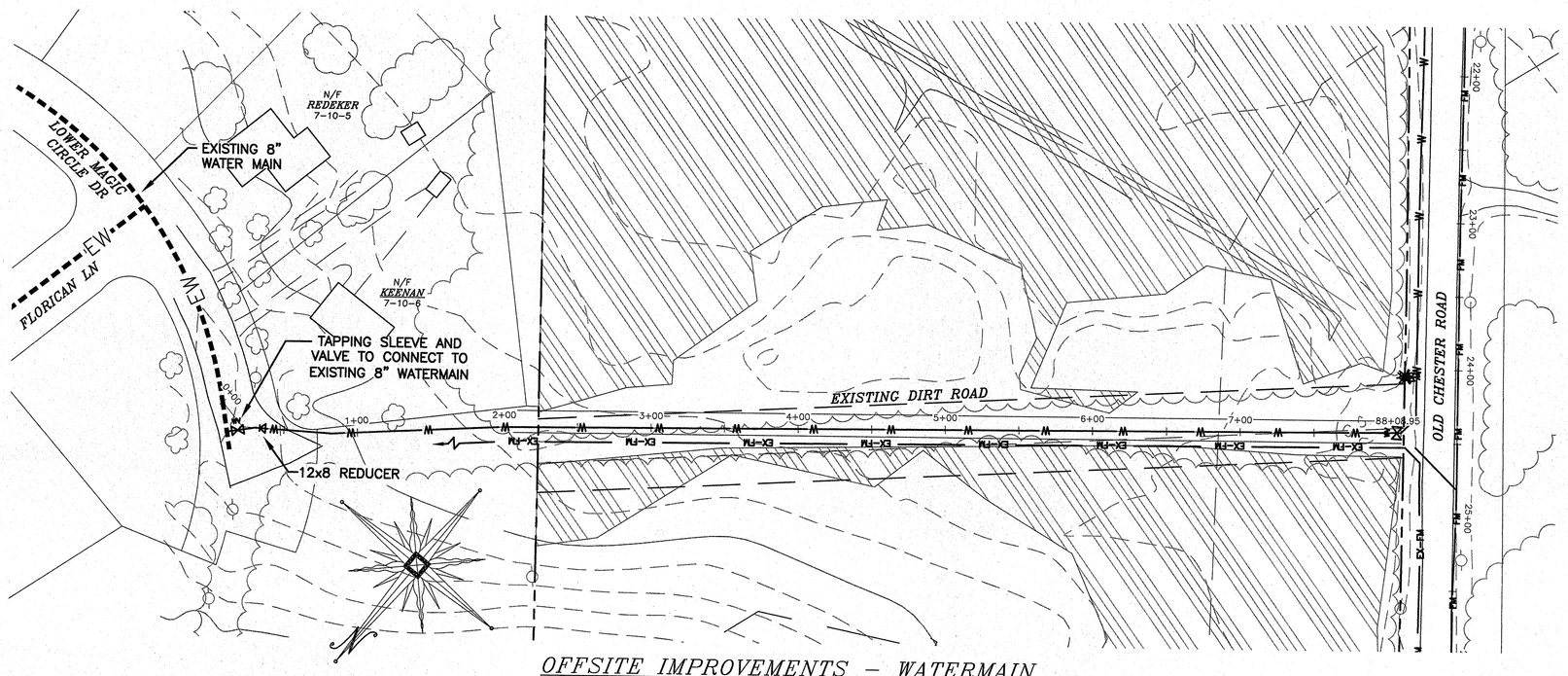

UFPO
BEFORE YOU DIG, DRILL, OR BLAST
-CALL TOLL FREE 1-800-962-7962
-NY INDUSTRIAL CODE RULE 753 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.
GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.
ENGINEER'S CERTIFICATION
THE PROPOSED SEWAGE DISPOSAL SYSTEM(S) AND WATER SUPPLY SYSTEM(S) 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 VISIT(S) AT THE DESIGN LOCATION AT THE TIME OF DESIGN.
LICENSED PROFESSIONAL ENGINEER
THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __
FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE
CHAIRMAN
RESERVED FOR TOWN PLANNING BOARD 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. __ OF __
RESERVED FOR HEALTH DEPARTMENT APPROVAL
ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
By direction of the State Commissioner of Health
these plans are hereby approved pursuant to the
Public Health Law. See final stamp for date and
signature.
PETRZAK & PAU
ENGINEERING & SURVEYING, PLLC
282 GOODNOWS MOUNTAIN STREET
GOSHEN, NEW YORK 10924
(845) 294-5666
2 MAUPOMAC STREET
MONTICELLO, NEW YORK 12701
(845) 796-4666
ANDREW J. PETRZAK, P.E.S.
LICENSED PROFESSIONAL ENGINEER NO. 065373
STATE OF NEW YORK
DAVID A. PAU
LICENSED LAND SURVEYOR NO. 050894
STATE OF NEW YORK
SIGNATURE
DATE
THE HERITAGE
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
PROJECT TITLE
GRADING AND UTILITY
PLAN FOR LOTS 76-78
SECTION 6 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62
DRAWING TITLE
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209 SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.
SCALE 1"=50'
O.C.H.D. SHEET NO. 11 OF 11
DEC. SHEET NO. 11 OF 20
DRAWING NUMBER
PROJECT NUMBER 241231
MAP CHECK DATE 00-00-00
INITIALED BY: --
REVISIONS
DATE | DESCRIPTION | INITIALS
11-14-06 | ORIGINAL PREPARATION | KW
04-04-06 | REV. PER DH & AWR COMMENTS-2/13/06 | KW
05-26-06 | PER STANTEC & AWR COMMENTS-5/18/06 | KW
09-06-06 | PER STANTEC & AWR COMMENTS-8/03/06 | KW
05-01-07 | PER STANTEC COMMENTS | KW
04-18-08 | REVISED LOT LAYOUT | KW
11-03-09 | PER NYSDEC COMMENTS / LOT 78 LAYOUT | TBE
11-24-10 | REMOVE STP, REMOVE WATER & SEWER | TBE
12-08-10 | REV. STORMWATER PONDS AND EROSION | TBE
01-19-11 | PER WORKSHOP MEETING | TBE
02-14-11 | PER NYSDEC WETLANDS COMMENTS | TBE
03-10-11 | PER 3/11/11 PLANNING BOARD MEETING | TBE
03-11-11 | PER 3/11/11 WORKSHOP MEETING | TBE
04-20-11 | PER PLANNING BOARD COMMENTS | TBE
12-01-11 | UPDATE SURVEY SHEETS | TBE
02-01-12 | REVISE METES AND BOUNDS | TBE
05-31-12 | COMMENTS FROM PLANNING BOARD ENG. | SB
06-11-12 | COMMENTS FROM PLANNING BOARD ENG. | SB
10-03-12 | COMMENTS FROM NYSDEC 8/7/12 | WP
10-03-13 | REMOVE WATER TANK, ADD OFFSITE WATERMAINS | WP
01-24-14 | PER DOOHH COMMENTS | WP
06-02-14 | PER NYSDOH COMMENTS | WP
06-05-14 | PER DOOHH REPLY SLBD. SUBMISSION | CK
11-10-14 | PER NYSDOH COMMENTS | WP
03-23-15 | PER DOOHH COMMENTS 07/16/2014 | NR
06-19-15 | PER DOOHH COMMENTS 04/13/2015 | NR
02-26-16 | AS PER VOLUME BALANCE | AT
03-16-16 | PER DOOHH COMMENTS | NR
03-22-16 | AS PER CONDITIONS OF FINAL APPROVAL | AT
05-26-16 | PER DOOHH COMMENTS | AT
06-29-16 | AS PER PB ENGINEER (HDH) COMMENTS | AT
09-16-16 | AS PER PB ENGINEER (HDH) COMMENTS | AT
09-16-16 | SECTION 1 PREPARATION | AT
10-19-16 | REV SECTION 1 PLAN AS PER DOOHH | AT
LEGEND
EXISTING PROPERTY LINE
PROPOSED PROPERTY LINE
PROPOSED BUILDING SETBACK LINE
PROPOSED EASEMENT
PROPOSED AGRICULTURAL CONSERVATION EASEMENT
PROPOSED CURTAIN DRAIN
PROPOSED FOREDRAIN
PROPOSED WELL
SOIL TEST LOCATION
MAJOR CONTOUR
MINOR CONTOUR
EXISTING WELL
ACOE WETLAND
LOT 76
LOT 77
LOT 78
AGRICULTURAL CONSERVATION EASEMENT
P/O LOT 76
BUILDING SETBACK LINE (TYP.)
EXISTING BARN
EXISTING SHED
EXISTING GARAGE
EXISTING POOL
EXISTING WELL LOCATION
PROPOSED SEPTIC TANK
PROPOSED PUMPING CHAMBER
PROPOSED SEPTIC TANKS AND PUMPING CHAMBER
APPROX. SOS LOCATION
EXIST. DWLG. 3
EXIST. DWLG. 4
PROPOSED ORGANIC FILTER #4 (SEE DETAIL)
PROPOSED CULVERT 30 L.F. 18" INV IN=456.34 INV O=455.84
PROPOSED CULVERT 30 L.F. 18" HDPE @ 3.33% INV IN=442.87 INV O=442.87
PROPOSED WELL
F.F.EL.=476.5
G.F.EL.=476.0
4" SCH. 80 PVC HOUSE SEWER
1250 GALLON SEPTIC TANK INV IN=474.45 INV O=474.10
PROPOSED ELJEN SYSTEM 48 MATS TOTAL 6 LATERALS @ 32 L.F. 192 L.F. TOTAL
PROPOSED ELJEN SYSTEM 44 MATS TOTAL 4 LATERALS @ 44 L.F. 176 L.F. TOTAL
PROPOSED ELJEN SYSTEM FOR REPLACEMENT AREA #1 48 MATS TOTAL 4 LATERALS @ 48 L.F. 192 L.F. TOTAL
PROPOSED ELJEN SYSTEM FOR REPLACEMENT AREA #2 48 MATS TOTAL 4 LATERALS @ 48 L.F. 192 L.F. TOTAL
4" SDR 35 PVC EFFLUENT SEWER
CURTAIN DRAIN & SWALE
D-BOX INV=474.4
C.O. INV. 470.20
C.O. INV. 465.70
C.O. INV. 477.55
C.O. INV. 480.65
C.O. INV. 480.90
C.O. INV. 481.50
C.O. INV. 481.25
C.O. INV. 476.40
C.O. INV. 476.00
C.O. INV. 482.50
C.O. INV. 482.90
C.O. INV. 483.10
C.O. INV. 482.50
C.O. INV. 481.00
C.O. INV. 481.00
PERF./SOLID PIPE INTERFACE
DAYLIGHT
BUILDING SETBACK LINE (TYP.)
EXISTING WIRE FENCE (TYP.)



OFFSITE IMPROVEMENTS – OLD CHESTER ROAD
STATION 0+00 TO 19+00



OFFSITE IMPROVEMENTS – OLD CHESTER ROAD
STATION 19+00 TO 38+67



OFFSITE IMPROVEMENTS – WATERMAIN
CONNECTION TO HAMBLETONIAN PARK

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED EASEMENT
- W — PROPOSED WATERMAIN
- FM — PROPOSED FORCEMAIN
- EX-FM — EXISTING FORCEMAIN
- 450 — MAJOR CONTOUR
- MINOR CONTOUR
- PROPOSED SEWER MANHOLE
- WV — PROPOSED WATER VALVE
- PROPOSED HYDRANT
- NYSDEC WETLAND
- ACOE WETLAND
- NON JURISDICTIONAL WETLAND

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
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03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDOCK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

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
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MONTICELLO, NEW YORK 12701
(845) 796-6946
JOSEPH J. PFAU P.E. LICENSE NO. 065827 STATE OF NEW YORK
MICHAEL F. CHERGIAN P.L.S. LICENSE NO. 050333
JOHN J. PIETRZAK P.E. LICENSE NO. 065827
P.L.S. LICENSE NO. 050075
LICENSED LANDSCAPE ARCHITECT LICENSE NO. 00384

SIGNATURE 10-19-16 DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

OFFSITE IMPROVEMENTS UTILITY PLAN

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF	N/A OF	14 OF 30
SCALE 1"=50'	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.

DATE 10/27/16

CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _

UFPO

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GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

N/F SADAGHIANI 8-1-36

N/F WESTINGHOUSE FARM INC 8-1-9.21

N/F MARIANO 8-1-10

SECTION 1
SECTION 2
SECTION 3

DRAINAGE PARCEL A

DRAINAGE PARCEL B

DRAINAGE PARCEL C

PROPOSED SLOPE STABILIZATION IN ALL HATCHED AREAS (TYP.) (SEE DETAIL)

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

PROPOSED INLET PROTECTION (TYP.)

PROPOSED POSSIBLE STOCK PILE LOCATION SILT FENCE TO BE INSTALLED ON DOWNHILL SIDE

PROPOSED TYPE "B" TEMPORARY DIVERSION SWALE (IF REQUIRED)

PROPOSED SEDIMENT BASIN W/ TEMPORARY RISER (IF REQUIRED –UTILIZED DETENTION POND)

STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL)

LAUREL CIRCLE

BOXWOOD ROAD

JUNIPER WAY

HOLLY ROAD

AZALEA BOULEVARD

OLD CHESTER ROAD

FORCEMAIN CLEANOUT MANHOLE 4

UFPO

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GRAPHIC SCALE

(IN FEET)
1 inch = 60 ft.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.

DATE 11/27/16

CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
09-29-16	AS PER PB ENGINEER (HDM) COMMENTS	AT
07-25-16	AS PER PB ENGINEER (HDM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-22-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-18-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS–8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS–5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS–2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

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

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SIGNATURE
10-19-16
DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

EROSION CONTROL PLAN

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF _	N/A OF _	15 OF 30
SCALE 1"=60'	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01

EROSION CONTROL NOTES

EROSION CONTROL SEQUENCE:
MEASURES SHALL BE TAKEN TO PREVENT SOIL EROSION DURING PROJECT CONSTUCTION. 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 CONSTUCTION PROGRESSES:

A. THE OWNER OR OPERATOR MUST MAINTAIN A COPY OF THE NOI, NOI ACKNOWLEDGEMENT LETTER, SWPPP AND INSPECTION REPORTS AT THE CONSTUCTION SITE. THE DOCUMENTS MUST BE MAINTAINED IN A SECURE LOCATION, SUCH AS A JOB TRAILER, ON-SITE CONSTRUCTION OFFICE, OR MAILBOX WITH LOCK; THAT IS ACCESSIBLE DURING NORMAL WORKING HOURS TO A PERSON PERFORMING A COMPLIANCE INSPECTION.

B. PRIOR TO COMMENCING CONSTUCTION 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 STRIPPING TOPSOIL" ON THE APPROVED PLANS. INSTALLATION IS TO BEGIN AT THE DOWNSTREAM PORTIONS OF THE SITE THEN WORKING UPSTREAM.

C. STABILIZED CONSTRUCTION ENTRANCES SHALL BE BUILT IN THE AREAS SHOWN ON THE APPROVED PLANS AND ANYWHERE A CONSTUCTION ROAD INTERSECTS A PUBLIC THOROUGHFARE. STABILIZED ENTRANCES SHALL BE BUILT IN ACCORDANCE WITH THE STABILIZED CONSTUCTION ENTRANCE DETAIL.

D. 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.

E. 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. INSTALLATION SHALL BEGIN AT DOWNSTREAM PORTIONS OF THE SITE THEN WORKING UPSTREAM.

F. 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.

G. 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.

H. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, REMAINING AREAS SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED. PERMANENT VEGETATION AND LANDSCAPING SHALL BE ESTABLISHED.

I. 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.

J. ALL NEWLY SEEDED VEGETATIVE COVER SHALL BE MAINTAINED. WASHOUTS OR POORLY GROWING AREAS SHALL BE CORRECTED AS THEY OCCUR.

WINTER WEATHER STABILIZATION NOTES:
- THE WINTER CONSTRUCTION PERIOD IS FROM OCTOBER 15 THROUGH APRIL 15.
- IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, A ROAD GRAVEL BASE, 85% MATURE VEGETATIVE COVER. OR RIPRAP BY OCTOBER 15, THEN THE SITE MUST BE PROTECTED WITH OVER-WINTER STABILIZATION.
- EXPOSED AREAS SHOULD BE LIMITED TO ONLY THOSE AREAS IN WHICH WORK WILL OCCUR DURING THE FOLLOWING 15 DAYS AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW OR RAINFALL EVENT.
- SUBSEQUENT WORK AREAS SHOULD NOT BE EXPOSED UNTIL THE PREVIOUSLY EXPOSED WORK AREAS HAVE BEEN FULLY STABILIZED.
- STABILIZATION AS FOLLOWS SHOULD BE COMPLETED WITHIN A DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
  - ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% SHOULD BE SEEDED AND COVERED WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH A MINIMUM 2 INCH THINKNESS OF EROSION CONTROL MIX.
  - ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF GREATER THAN 15% SHOULD BE SEEDED AND COVERED WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH A MINIMUM 4 INCH THINKNESS OF EROSION CONTROL MIX.
- INSTALLATION OF ANCHORED HAY MULCH, EROSION CONTROL MIX OR EROSION CONTROL BLANKET SHOULD NOT OCCUR OVER SNOW OF GREATER THAN ONE INCH IN DEPTH.
- ALL MULCH APPLIED DURING WINTER SHOULD BE ANCHORED.

TEMPORARY SEEDING:
TEMPORARY SEEDING SHALL BE APPLIED ON CONSTRUCTION SITES TO PROTECT AN AREA, OR SECTION, WHERE FINAL GRADING IS COMPLETE, WHEN PREPARING FOR WINTER WORK SHUTDOWN, OR TO PROVIDE COVER WHEN PERMANENT SEEDINGS AREA LIKELY TO FAIL DUE TO MID-SUMMER HEAT AND DROUGHT.
- SEED MIX (SPRING, SUMMER OR EARLY FALL)
  RYEGRASS (ANNUAL OR PERENNIAL) AT 30LBS/ACRE OR 0.7LB/1000 SQFT
- SEED MIX (LATE FALL OR EARLY WINTER)
  CERTIFIED 'AROOSTOOK' WINTER RYE (CEREAL RYE) AT 100LBS/ACRE OR 2.5LBS/1000 SQFT
- MULCH
  MULCH THE AREA WITH STRAW AT 2 TONS/ACRE (90LBS/1000SQFT OR 2 BALES)

PERMANENT SEEDING:
ALL WATER CONTROL MEASURES WILL BE INSTALLED AS NEEDED PRIOR TO FINAL GRADING AND SEEDBED PREPARATION. ANY SEVERELY COMPACTED SECTIONS WILL REQUIRE CHISELING OR DISKING TO PROVIDE AN ADEQUATE ROOTING ZONE, TO A MINIMUM DEPTH OF 12". THE SEEDBED MUST BE PREPARED TO ALLOW GOOD SOIL TO SEED CONTACT, WITH THE SOIL NOT TOO SOFT AND NOT TOO COMPACT. ADEQUATE SOIL MOISTURE MUST BE PRESENT TO ACCOMPLISH THIS. IF SURFACE IS POWDER DRY OR STICKY WET, POSTPONE OPERATIONS UNTIL MOISTURE CHANGES TO A FAVORABLE CONDITION. IF SEEDING IS ACCOMPLISHED WITHIN 24 HOURS OF FINAL GRADING, ADDITIONAL SCARIFICATION IS GENERALLY NOT NEEDED, ESPECIALLY ON DITCH AND STREAM BANKS. REMOVE ALL STONES OR OTHER DEBRIS FROM THE SURFACE THAT ARE GREATER THAN 4 INCHES, OR THAT WILL INTERFERE WITH FUTURE MOWING OR MAINTENANCE.

SOIL AMENDMENTS SHOULD BE INCORPORATED INTO THE UPPER 2 INCHES OF SOIL WHEN FEASIBLE. SOIL SHOULD BE TESTED TO DETERMINE THE AMOUNTS OF AMENDMENTS NEEDED. APPLY GROUND AGRICULTURAL LIMESTONE TO ATTAIN A PH OF 6.0 IN THE UPPER 2 INCHES OF SOIL. FERTILIZER SHOULD BE APPLIED IN ACCORDANCE WITH SOIL TESTING. IF FERTILIZER NEEDS ARE UNKNOWN, APPLY COMMERCIAL FERTILIZER AT 600 LBS/ACRE OF 5-10-10 OR EQUIVALENT.

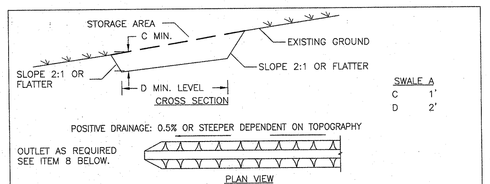
THE OPTIMUM TIMING FOR PERMANENT SEEDING IS EARLY SPRING. LATE JUNE THROUGH EARLY AUGUST IS NOT A GOOD TIME TO SEED DUE TO DROUGHT AND HEAT. PERMANENT SEED MIXTURES SHOULD NOT BE USED DURING WINTER/COLD WEATHER MONTHS.

APPLY STRAW MULCH AFTER SOIL AMENDMENTS AND PLANTING IS ACCOMPLISHED OR SIMULTANEOUSLY IF HYDROSEEDING IS USED. APPLY STRAW MULCH AT 2 TON/ACRE (90LBS/1000SQFT) AND ANCHORED WITH WOOD FIBER MULCH (HYDROMULCH) AT 500-750 LBS/ACRE (11-17 LBS/1000SQFT). THE WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEEDER IMMEDIATELY AFTER MULCHING.

GENERAL SEED MIX:	VARIETY	LBS/ACRE	LBS/1000 SQFT
BIRDSFOOT TREFOIL[1] OR COMMON WHITE CLOVER[2]	EMPIRE/PARDEE	8[2]	0.20
	COMMON	8	0.20
PLUS			
TALL FESCUE	KY-31/REBEL	20	0.45
PLUS			
REDTOP OR RYEGRASS (PERENNIAL)	COMMON	2	0.05
	PENNFINE/LINN	5	0.10

[1]ADD INOCULANT IMMEDIATELY PRIOR TO SEEDING
[2]MIX 4LBS EACH OF EMPIRE AND PARDEE OR 4 LBS OF BIRDSFOOT AND 4 LBS WHITE CLOVER PER ACRE.

GENERAL NOTES:
- 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 OR REPLACE STRUCTURES AS CLIMATIC CONDITIONS REQUIRE. THE DEVELOPER WILL ALSO BE SUBJECT TO THE DIRECTIVE OF THE DESIGN ENGINEER AND MUNICIPAL REPRESENTATIVES TO INCLUDE MUNICIPAL ENGINEER, HIGHWAY SUPERINTENDENT AND BUILDING INSPECTOR.
- ALL CONTRACTORS SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE APPROVED PLANS AND MAY BE SUBJECT TO ADDITIONAL EROSION CONTROL REQUIREMENTS AS CONDITIONS ARISE. THE EROSION CONTROL PLAN IS A "LIVING" DOCUMENT.
- NO EROSION CONTROL STRUCTURES SHALL BE REMOVED UNTIL ALL WORK UPSTREAM THEREFROM HAS BEEN COMPLETED, INCLUDING STABILIZATION AND APPROVED BY THE DESIGN ENGINEER AND MUNICIPAL REPRESENTATIVES.
- CONSTRUCTION EQUIPMENT SHALL NOT UNNECESSARILY CROSS LIVE STREAMS OR DRAINAGE SWALES EXCEPT BY MEANS OF BRIDGES AND CULVERTS OR OTHER APPROVED METHODS.
- 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 LANDS ARE DISTURBED DURING DEVELOPMENT, THE EXPOSURE SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.



CONSTRUCTION SPECIFICATIONS
1. ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
4. 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.
5. 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.
6. FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
7. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
8. STABILIZATION SHALL BE AS PER THE FLOW CHANNEL STABILIZATION CHART BELOW:

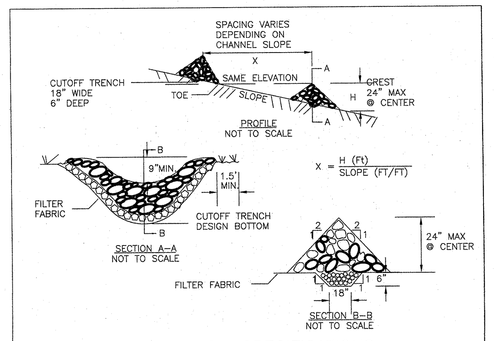
TYPE OF TREATMENT	CHANNEL GRADE	A(5 AC OR LESS)	B(5 AC -10AC)
1	0.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELSIOR
3	5.1-8.0%	SEED WITH JUTE OR EXCELSIOR, SOD	LINED WITH 4-8" RIP-RAP OR RECYCLED CONCRETE EQUIVALENT
4	8.1-20.%	LINED WITH 4-8" RIP-RAP	ENGINEERED DESIGN

9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

MAXIMUM DRAINAGE AREA 2 ACRES.

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

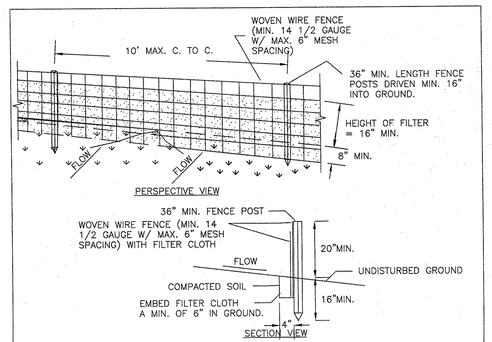


CONSTRUCTION SPECIFICATIONS
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE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

MAXIMUM DRAINAGE AREA 2 ACRES.

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



CONSTRUCTION SPECIFICATIONS
1. 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.
2. 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.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

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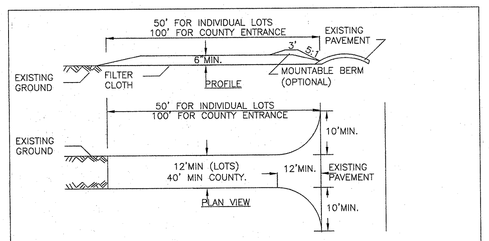
SILT FENCE



CONSTRUCTION SPECIFICATIONS
1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. 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.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON-STRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. 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.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

U.S. DEPARTMENT OF AGRICULTURE
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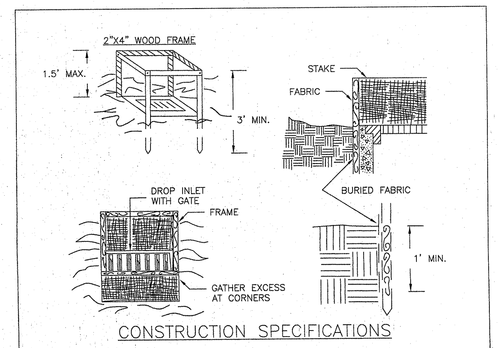
STABILIZED CONSTRUCTION ENTRANCE

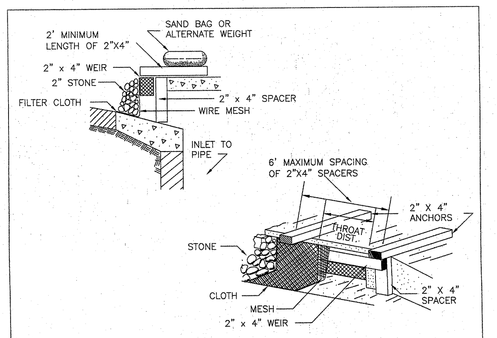


CONSTRUCTION SPECIFICATIONS
1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRE

ADAPTED FROM DETAILS PROVIDED BY: USDA – NRCS,
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

FILTER FABRIC DROP INLET PROTECTION



CONSTRUCTION SPECIFICATIONS
1. FILTER FABRIC SHALL HAVE AN AOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR.
4. THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

MAXIMUM DRAINAGE AREA 1 ACRE

ADAPTED FROM DETAILS PROVIDED BY: USDA – NRCS,
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,
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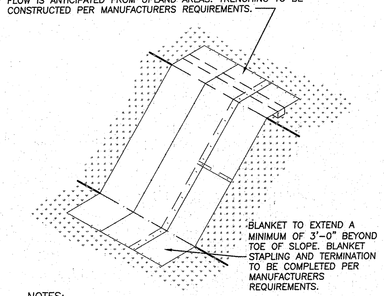
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

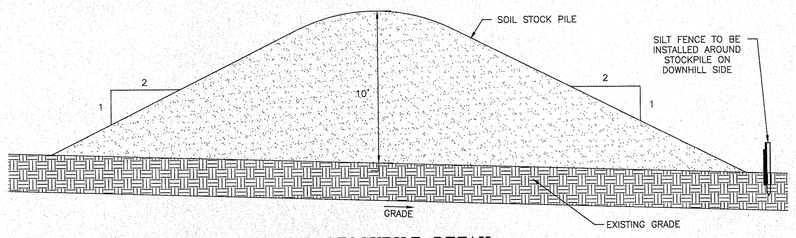
CURB DROP INLET PROTECTION

EXTEND BLANKET A MINIMUM OF 3'-0" OVER CREST OF SLOPE, PER MANUFACTURERS REQUIREMENTS. TRENCHING NEEDED IF A MINIMUM OF 3'-0" IS NOT AVAILABLE AT THE CREST OF SLOPE OR IF OVERLAND FLOW IS ANTICIPATED FROM UPLAND AREAS. TRENCHING TO BE CONSTRUCTED PER MANUFACTURERS REQUIREMENTS.

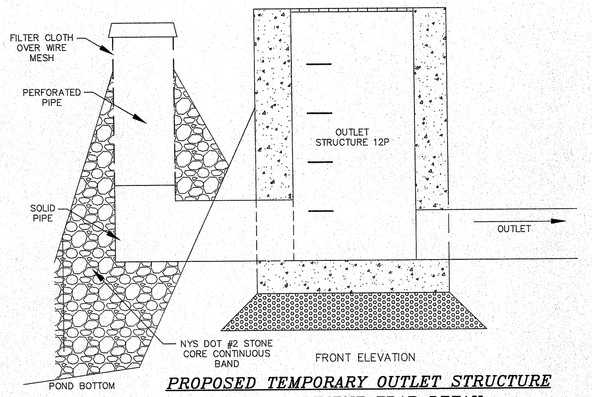


NOTES:
1. EROSION CONTROL BLANKET TO BE CURLEX I (EXCELSIOR EROSION CONTROL BLANKETS) OR APPROVED EQUAL.
2. EROSION CONTROL BLANKET TO BE PLACED ON DISTURBED SLOPES GREATER THAN 2 HORIZONTAL TO 1 VERTICAL, AS SHOWN ON THE EROSION CONTROL PLAN.
3. EROSION CONTROL BLANKET IS TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS.

SLOPE STABILIZATION BLANKET DETAIL
N.T.S.



SOIL STOCKPILE DETAIL
N.T.S.



PROPOSED TEMPORARY OUTLET STRUCTURE FOR SEDIMENT TRAP DETAIL
N.T.S.
(IF REQUIRED)

NOTES:
1. ONCE THE DETENTION/TREATMENT POND IS NO LONGER BEING USED AS A SEDIMENT TRAP, THE OUTLET STRUCTURE IS TO BE MODIFIED TO CONFORM TO THE OUTLET STRUCTURE DETAIL SHOWN ON SHEET 25 OF 30.
2. THE TEMPORARY OUTLET STRUCTURE SHALL NOT BE CONVERTED UNTIL ALL TRIBUTARY AREAS HAVE REACHED A PERENNIAL VEGETATIVE COVER WITH A MINIMUM DENSITY OF EIGHTY (80) PERCENT.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
07-25-16	AS PER PB ENGINEER (KDM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
03-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE SFP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

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) 796-6648
JOSEPH J. PFAU P.E. LICENSE NO. 065329
MICHAEL F. CROGHAN P.L.S. LICENSE NO. 050023
STEVEN J. CROGHAN P.E., P.L.S., LANDSCAP. ARCHITECT LICENSE NO. 050075
JAMES M. PAPPALARDO P.E. LICENSE NO. 075396
STATE OF NEW YORK
SIGNATURE 088845
10-19-16
DATE

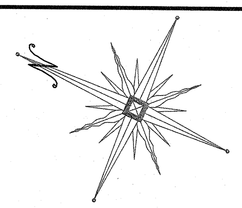
THE HERITAGE
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
PROJECT TITLE

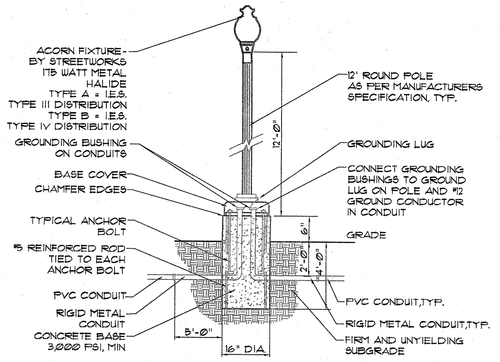
EROSION CONTROL DETAILS
SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62
DRAWING TITLE

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.

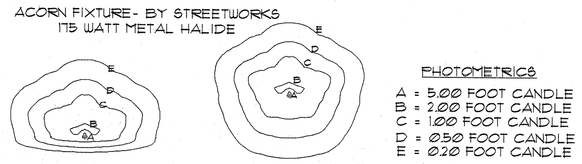
O.C.H.D. SHEET NO.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF ___	N/A OF ___	16 OF 30
SCALE N.T.S.	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01

UFPO
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.





1 SH-17 LIGHT POLE DETAIL
N.T.S.



PHOTOMETRICS

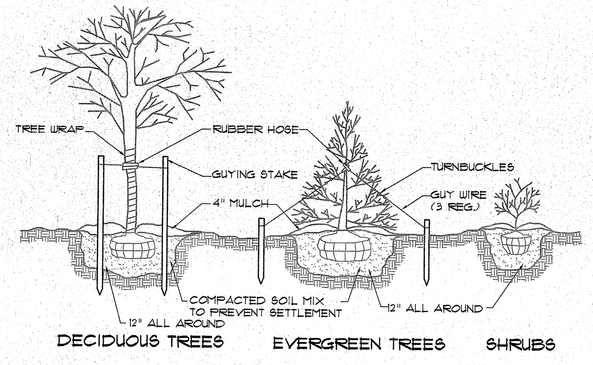
A = 5.00 FOOT CANDLE
B = 2.00 FOOT CANDLE
C = 1.00 FOOT CANDLE
D = 0.50 FOOT CANDLE
E = 0.20 FOOT CANDLE

GENERAL LIGHTING NOTES

1. HOURS OF SITE LIGHTING WILL OPERATE FROM DUSK TO DAWN.
2. THE DISTANCE IS IN UNITS OF THE MOUNTING HEIGHT OF THE LIGHT. (ACTUAL DISTANCE IS IN PARENTHESIS.)
3. ACORN LAMP AS MANUFACTURED BY STREETWORKS. ANE/17/M/2/3H, 175-WATT METAL HALIDE, 9,500 LUMEN LAMP, TYPE III. POLE: BLACK.
4. WHERE APPROPRIATE, LAMPS SHALL BE EQUIPPED WITH A SHIELD. THESE LAMPS CAN BE IDENTIFIED VIA THE PHOTOMETRICS SHOWN HERE.
5. WALL MOUNTED LIGHTING FIXTURES SHALL BE DARK-SKY COMPLIANT, FULL CUT-OFF TYPE UNITS WITH (ADJUSTABLE) INTERNAL REFLECTORS TO INCREASE THE LIGHT SIDE-THROW.
6. ALL STREET AND EXTERIOR LIGHTING FIXTURES SHALL BE DESIGNED WITH SHIELDS TO REDUCE SKY ILLUMINATION AND NIGHT TIME GLARE.
7. FREESTANDING LIGHTS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. SEE DETAIL:
   COOPER LIGHTING
   1121 HIGHWAY 74 SOUTH
   PEACHTREE CITY, GA 30269
   WWW.STREETWORKSLIGHTING.COM

GENERAL NOTES

1. FOR DIMENSIONS OF BUILDINGS, SEE ARCHITECTURAL DRAWINGS.
2. CONTRACTOR IS TO VERIFY EXISTING CONDITIONS ON SITE AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN EXISTING CONDITIONS OR WITHIN THE PLANS PRIOR TO BEGINNING THE WORK.
3. ANY DETERMINATION OF "EQUAL" SUBSTITUTION SHALL BE MADE ONLY BY THE LANDSCAPE ARCHITECT.
4. PRIOR TO PEFORMING ANY EARTHWORK THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES. UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE CONDITIONS AT ALL TIMES.
6. A SEPARATE SIGN PERMIT IS REQUIRED FOR EACH SIGN AND SHALL BE IN ACCORDANCE WITH SECTION 97-49 OF THE TOWN OF GOSHEN ZONING LAW.
7. THE PLAN IS FOR LANDSCAPING AND LIGHTING ONLY, SEE GRADING AND UTILITY PLANS FOR LOT CONFIGURATIONS.

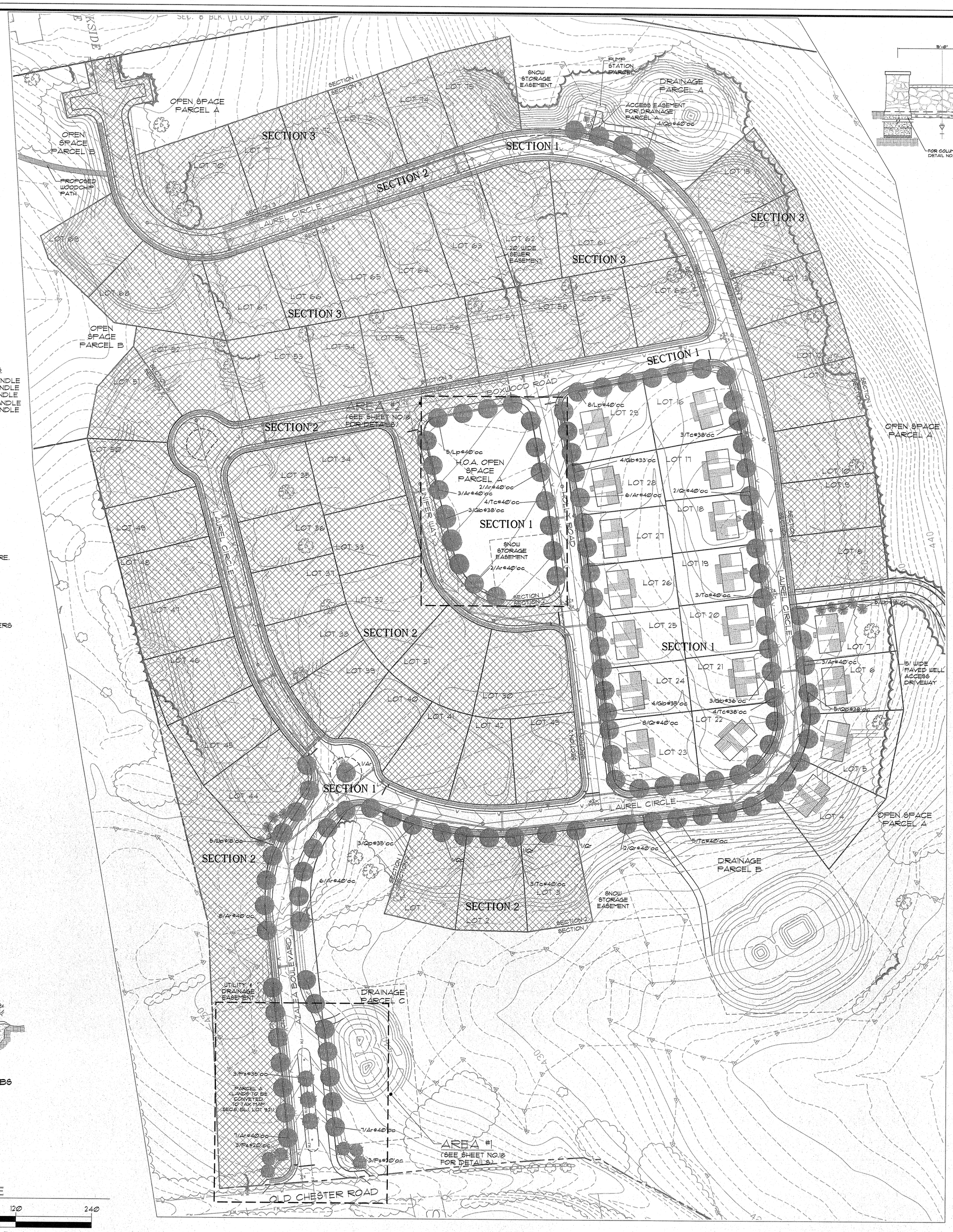


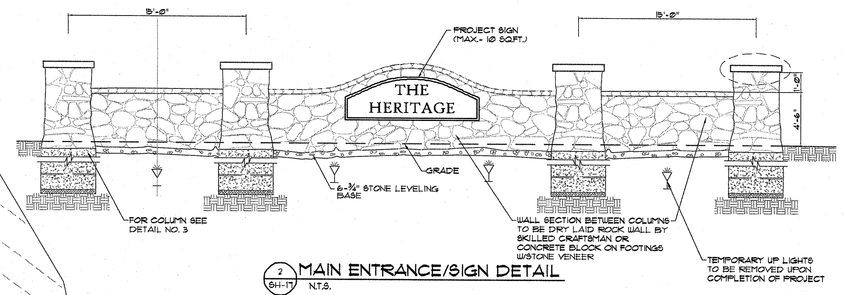
2 SH-17 PLANTING & GUYING DETAIL
N.T.S.

GRAPHIC SCALE

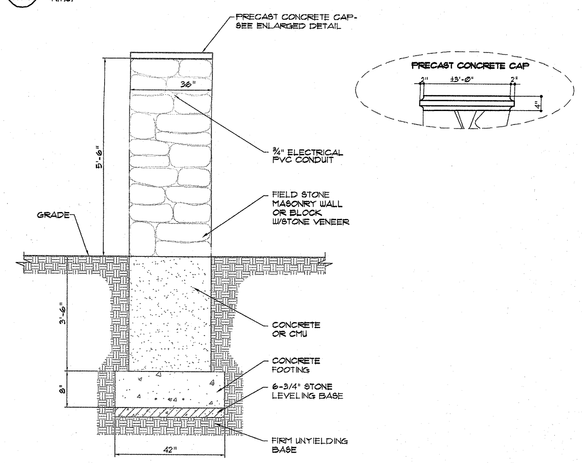
60 0 30 60 120 240

(In Feet)
1 in. = 60 ft.





2 SH-17 MAIN ENTRANCE/SIGN DETAIL
N.T.S.



3 SH-17 STONECOLUMN DETAIL
N.T.S.

UFPO

BEFORE YOU DIG, DRILL OR BLAST!

CALL US TOLL FREE
1-800-962-7962
NY INDUSTRIAL CODE RULE 753 REQUIRES NO LESS THAN TWO WORKINGDAYS 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.

Date	Description
10/13/16	PREPARE SECTION 1 DRAWINGS
08/29/16	REVISED AS PER PB ENGINEER COMMENTS
07/05/16	REVISED AS PER PB ENGINEER (4-24-1) COMMENTS
04/20/11	REVISED AS PER PLANNING BOARD COMMENTS
03/17/11	REVISED AS PER COMMENTS FROM WORKSHOP MEETING ON 03/10/2011
03/10/11	REVISED AS PER COMMENTS FROM PLANNING BOARD MEETING ON 03/03/2011
02/14/11	REVISED AS PER DEC WETLANDS COMMENTS
01/19/11	Date of Origin

Revisions

ESPOSITO & ASSOCIATES
262 GREENWICH AVENUE
GOSHEN NY, 10924
845.294.0258 Fax 845.294.0980

ESPOSITO
LANDSCAPE ARCHITECT
Signature

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/25/16
CHAIRMAN

THE HERITAGE
SECTION 1
TOWN OF GOSHEN

TAX MAP: SEC. 11, BLK. 1, LOT 98.6
SEC. 8, BLK. 1, LOT 9.22

LANDSCAPE, LIGHTING PLAN AND DETAILS

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, subdivision 2 of the NY State Educational Law.

Scale:	Drawing No.:	Project No.:
1"=60'	17 of 30	2031001
CAD Reference: dwg	O.C.H.D. Sheet No.: of	D.E.C. Sheet No.: of

PLANTS LEGEND

DECIDUOUS TREES

EVERGREEN TREES

GENERAL PLANTING NOTES:

1. PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR AFTER FINAL ACCEPTANCE OF PROJECT PLANTING. DEAD, DYING, UNHEALTHY AND/OR PLANTS IN POOR CONDITION SHALL BE REPLACED IN THE SAME PLANTING SEASON THAT THE LANDSCAPE ARCHITECT HAS DEEMED THE PLANT UNACCEPTABLE. PLANTINGS THAT REQUIRE REPLACEMENT SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
2. EXISTING VEGETATION AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE TOPSOILED AND SEEDED UPON COMPLETION OF WORK.
3. NEW PLANTING ROOT BALLS REMOVED FROM CANS SHALL BE SCARIFIED PRIOR TO BACKFILLING THE PLANT.
4. ALL PLANTINGS SHOWN ON APPROVED SITE DEVELOPMENT PLAN OR SPECIAL PERMIT PLAN SHALL BE MAINTAINED IN A VIGOROUS GROWING CONDITION THROUGHOUT THE DURATION OF USE AND PLANTS NOT SO MAINTAINED SHALL BE REPLACED WITH NEW PLANTS AT THE BEGINNING OF THE NEXT IMMEDIATELY FOLLOWING GROWING SEASON.
5. FOR PLANTING OPERATION, STANDARDS AND MATERIALS SEE SPECIFICATIONS.
6. CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN (7) CALENDAR DAYS OF NOTICE TO PROCEED.
7. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES AND OBTAIN AS-BUILT INFORMATION. DRAWINGS WERE PREPARED ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN (7) CALENDAR DAYS OF NOTICE TO PROCEED OF ANY DISCREPANCIES.
8. CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES 48 HOURS MINIMUM PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES AND OTHER OBSTRUCTIONS AND COORDINATE WITH OWNER'S REPRESENTATIVE IN WRITING PRIOR TO INITIATING OPERATIONS.
9. TYPICALLY, SHRUB AND GROUNDCOVER PLANTINGS ARE SHOWN AS MASS PLANTING BEDS. PLANTS SHALL BE PLACED ON A TRIANGULAR SPACING CONFIGURATION (STAGGERED SPACING). PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE LISTED ON THE PLANT LIST.
10. CONTRACTOR SHALL FIELD STAKE THE LOCATIONS OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT.
11. CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO ALL EXISTING UNDERGROUND UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
12. ALL TREES PLANTED IN LAWN AREA SHALL RECEIVE A 3' DIAMETER MULCH RING AT A DEPTH OF 3" AS PER THE SPECIFICATIONS.
13. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES, THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
14. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND SPECIFICATIONS FOR FURTHER AND COMPLETE INSTRUCTIONS.

PLANTS LIST (SECTION 1)

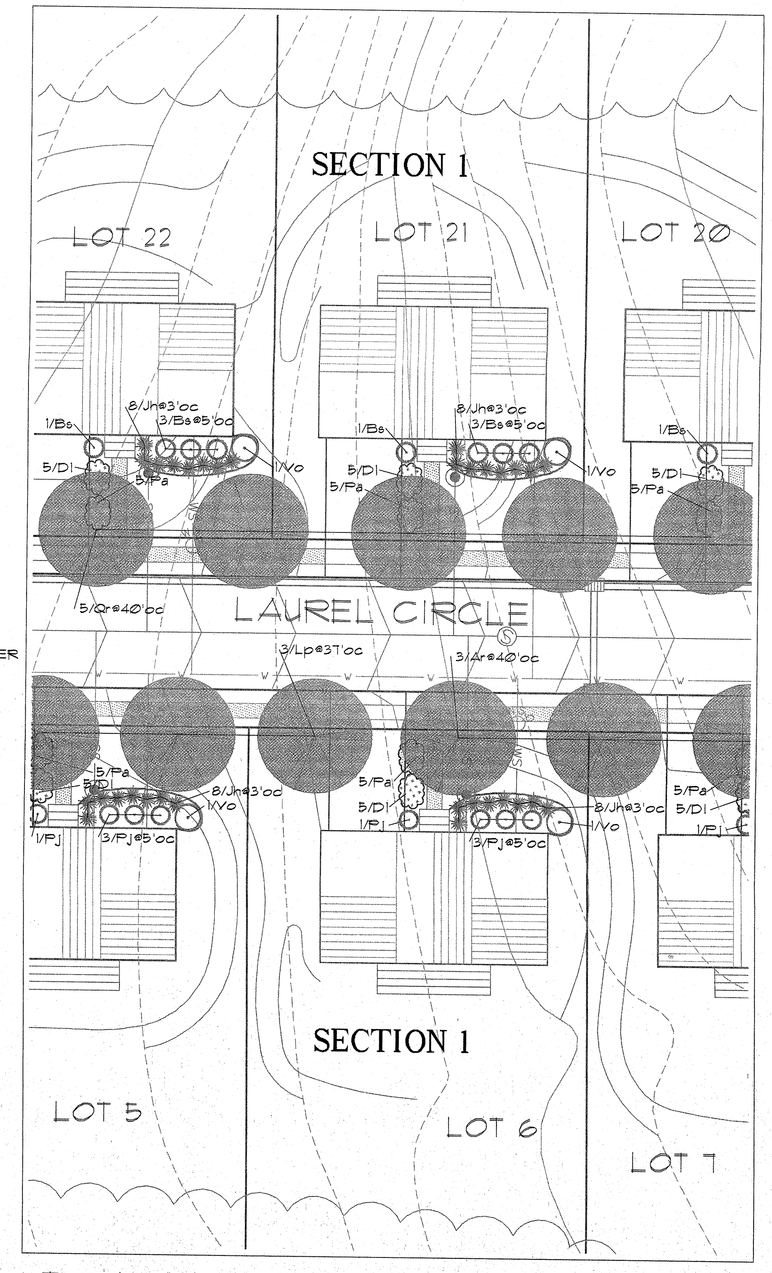
TYPE	KEY	QTY.	BOTANICAL NAME	COMMON NAME	MIN. SIZE	REMARKS
DECIDUOUS TREES	Ar	45	Acer Rubrum	Red Maple	3"-3-1/2" c	B&B
	Gb	14	Ginkgo Biloba "Autumn Gold"	Ginkgo	3"-3-1/2" c	B&B
	Lp	13	Platanus x Acerifolia	London Planetree	3"-3-1/2" c	B&B
	Ps	9	Prunus Serrulata "Kwanzan"	Kwanzan Cherry	2"-2-1/2" c	B&B
	Qr	15	Quercus Rubra	Red Oak	3"-3-1/2" c	B&B
	Qp	12	Quercus Palustris	Pin Oak	3"-3-1/2" c	B&B
	Tc	22	Tilia Cordata "Greenspire"	Greenspire Linden	3"-3-1/2" c	B&B
EVERGREEN TREES	Wp	10	Pinus Strobus	White Pine	7' - 8' hgt	B&B
EVERGREEN SHRUBS	Bm	5	Buxus Microphylla "Winter Gem"	Winter Gem Boxwood	30"-34"	Container
	Bs	38	Buxus Sempervirens	English Boxwood	30"-34"	B&B
	Jc	15	Juniperus Chinensis "Gold Coast"	Gold Coast Juniper	30"-34"	Container
	Jcp	3	Juniperus Chinensis"Pfitzeriana Compacta"	Compacta Pfitzer's Juniper	30"-34"	Container
	Pj	47	Pieris Japonica	Japanese Andromeda	30"-36"	B&B
DECIDUOUS SHRUBS	Fi	5	Forsythia x Intermedia	Spring Glory Forsythia	34"-36"	B&B
	Rt	3	Cornus Alba Stipirica	Red Twig Dogwood	30"-34"	Container
	Sj	6	Spiraea Japonica	Little Princess Spiraea	18"-24"	Container
	Sp	12	Syringa Patula "Miss Kim"	Miss Kim Lilac		
	Vc	22	Viburnum Carlesii	Koreanspice Viburnum	30"-34"	Container
	Vo	18	Viburnum Opulus	European Cranberrybush Viburnum	34"-36"	B&B
	Wf	10	Weigela Florida "Red Prince"	Red Prince Weigela	24"-30"	Container
GROUND COVERS	Jh	173	Juniperus Horiz. "Bar Harbor"	Bar Harbor Juniper	2 gal.	Container
PERENNIALS	Aj	24	Sedum Spectabile	Autumn Joy	24" oc	1 gal.
	Dl	130	Hemerocallis (mixed)	Daylilies (Mixed)	24" oc	1 gal.
	Ep	34	Echinacea Purpurea	Purple Coneflower	24" oc	1 gal.
	La	74	Lavandula Augustifolia	English Lavender	24" oc	1 gal.
	Ru	18	Rudbeckia Fulgida	Black-Eyed Susan	24" oc	1 gal.
GRASSES	Pa	202	Pennisetum Alopecuroides "Hamein"	Dwarf Fountain Grass	24" oc	2 gal.
	Pl	72	Pennisetum "Little Bunny"	Little Bunny Fountain Grass	24" oc	2 gal.

PLANTS LEGEND

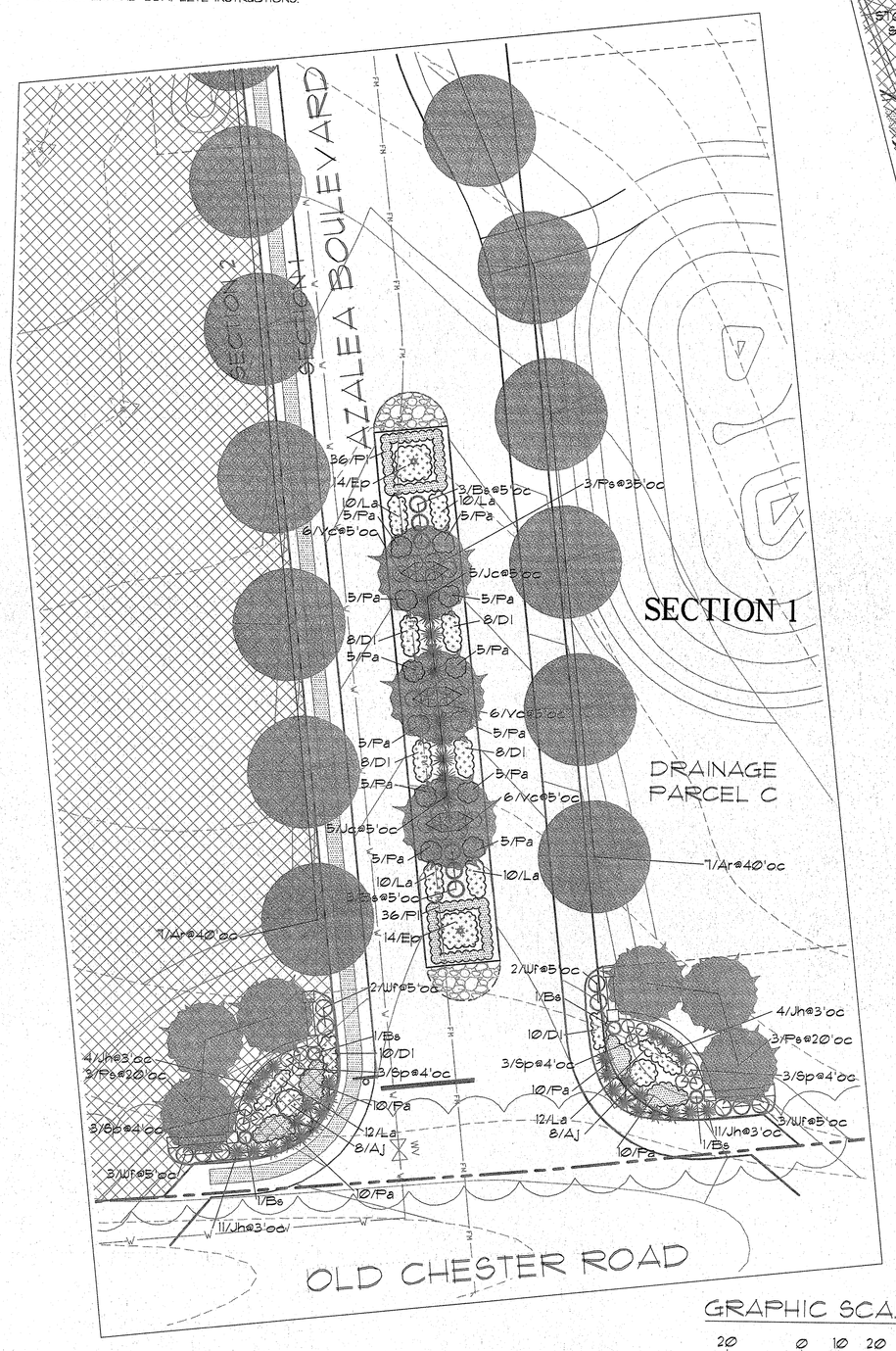
- DECIDUOUS TREES
- DECIDUOUS SHRUBS
- EVERGREEN TREES
- EVERGREEN SHRUBS /GROUND COVERS
- PERENNIALS
- GRASSES

NOTE: 6' CAST IRON BENCH WITH GREEN POLYESTER FINISH, MODEL #119, AS MANUFACTURED BY DUMOR SITE FINISHINGS

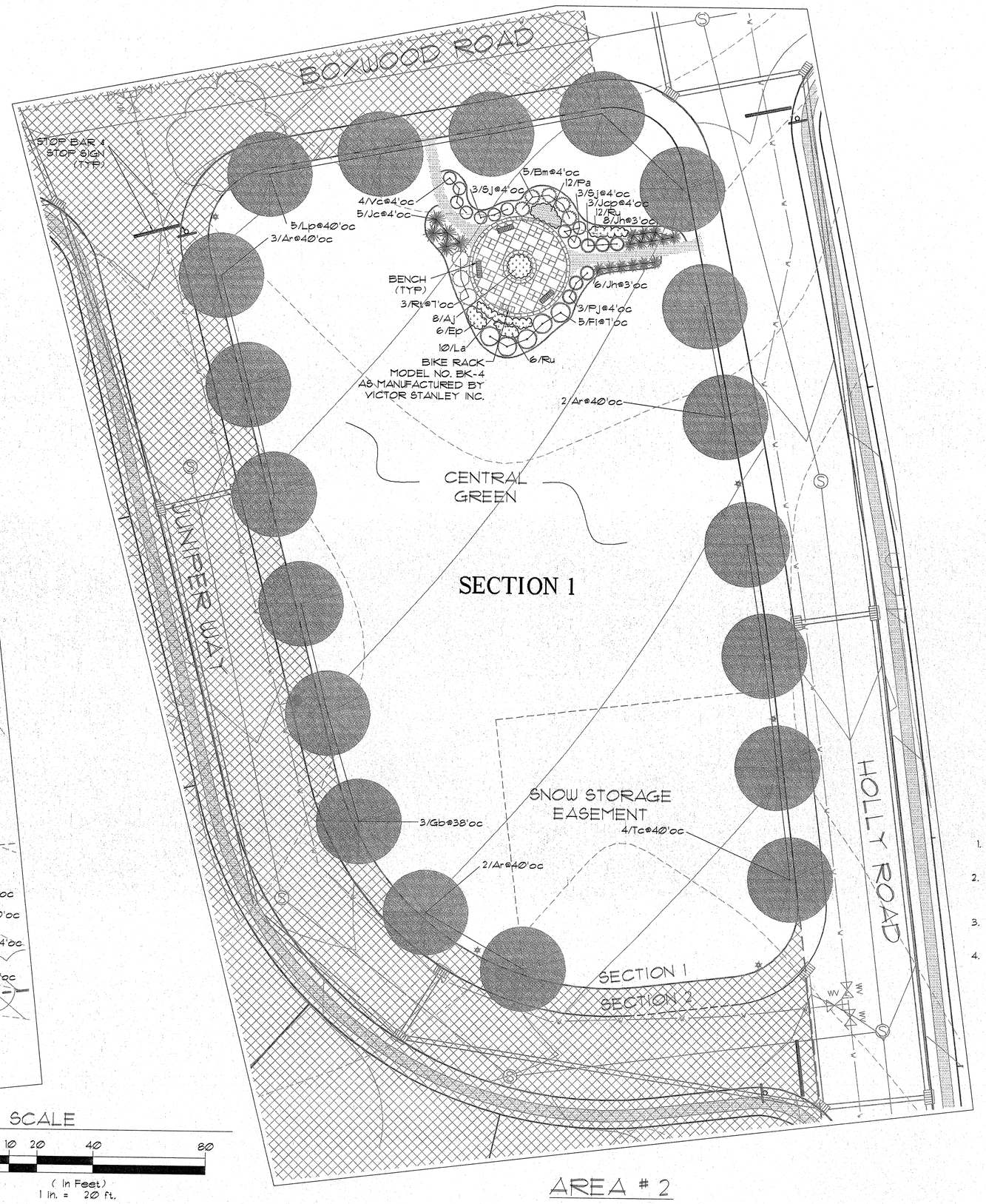
1 / SH-18 BENCH DETAIL
N.T.S.



TYPICAL RESIDENTIAL LANDSCAPING



AREA # 1



AREA # 2

GRAPHIC SCALE

20 0 10 20 40 80

(In Feet)
1 in. = 20 ft.

PERMANENT SEEDING SCHEDULE

1. TOPSOIL SHALL BE SPREAD TO A COMPACTED UNIFORM THICKNESS OF 4".
2. TOPSOIL SURFACE SHALL BE FINELY GRADED AND LOOSENED BY MECHANICAL RAKES TO ENSURE SEED ACCEPTANCE AND SEED TO SOIL CONTACT.
3. FERTILIZER SHALL BE APPLIED AT 6 LBS. OF 5-10-10 COMMERCIAL FERTILIZER/1000 SQ. FT.
4. SEEDING SHALL BE INSTALLED AT 5 LBS./1000 SQ. FT. OF:
   60% KENTUCKY BLUE GRASS
   20% CHEWINGS FESCUE
   20% PERENNIAL RYE

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/27/16
CHAIRMAN

PLANTING SCHEDULE

TREES & SHRUBS	SPRING PLANTING	FALL PLANTING
EVERGREEN	APRIL 1 - JUNE 30	SEPT. 1 - OCT. 15
DECIDUOUS	MARCH 1 - JUNE 30	OCT. 1 - DEC. 1

Date	Description
10/19/16	PREPARE SECTION 1 DRAWINGS
08/29/16	REVISED AS PER PB ENGINEER COMMENTS
07/05/16	REVISED AS PER PB ENGINEER (H2M) COMMENTS
04/20/11	REVISED AS PER PLANNING BOARD COMMENTS
03/17/11	REVISED AS PER COMMENTS FROM WORKSHOP MEETING ON 03/10/2011
03/10/11	REVISED AS PER COMMENTS FROM PLANNING BOARD MEETING ON 03/03/2011
02/14/11	REVISED AS PER DEC WETLANDS COMMENTS
01/19/11	Date of Origin

Revisions

ESPOSITO & ASSOCIATES
262 GREENWICH AVENUE
GOSHEN NY, 10924
845.294.2258 Fax 845.294.0580
ESPOSITO
ARCHITECT
Signature

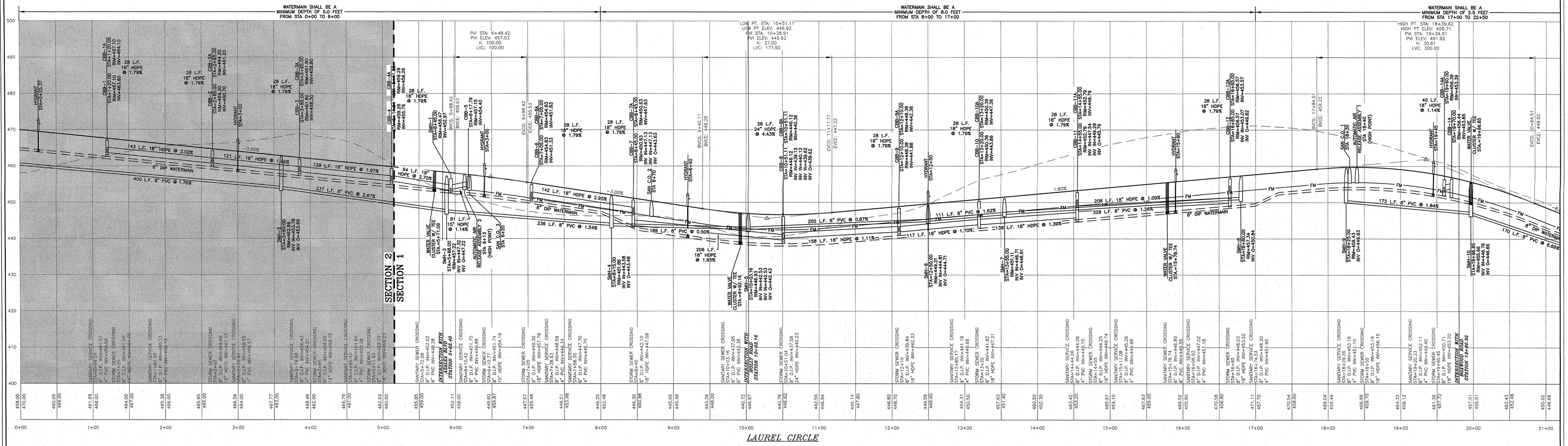
THE HERITAGE
SECTION 1
TOWN OF GOSHEN
TAX MAP: SEC. 11, BLK. 1, LOT 366
SEC. 8, BLK. 1, LOT 322

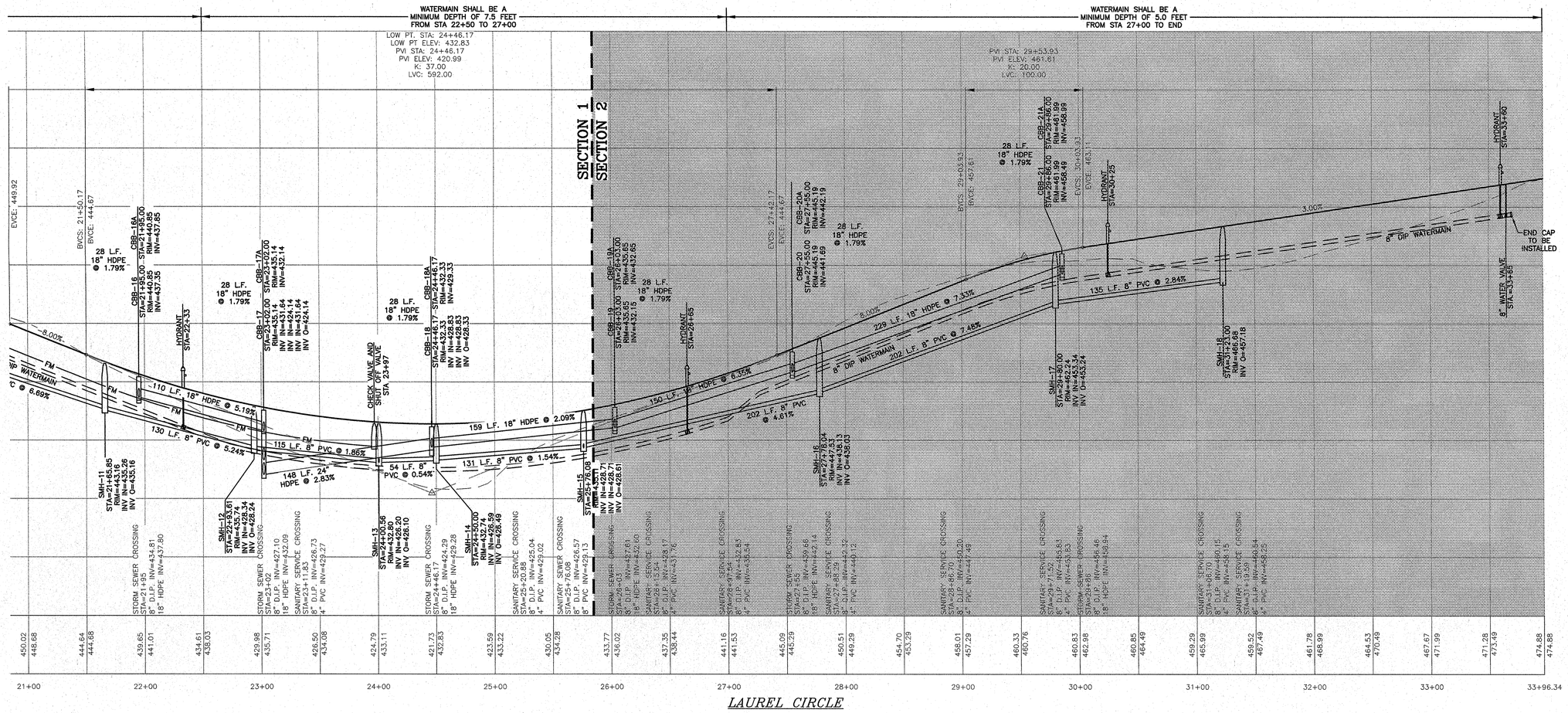
LANDSCAPE, LIGHTING PLAN AND DETAILS

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, subdivision 2 of the NY State Educational Law.

Scale:	Drawing No.:	Project No.:
1"=20'	18 of 30	2031001
CAD Reference: dwg	O.C.H.D. Sheet No.: of	D.E.C. Sheet No.: of





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

10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
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11-20-14	PER RIDDICK COMMENTS	MP
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06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-18-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW
DATE	DESCRIPTION	INITIALS

REVISIONS

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

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
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(845) 294-0006
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4046
JOSEPH J. PFAU P.E. LICENSE NO. 065827
MICHAEL F. CORRIGAN P.L.S. LICENSE NO. 050033
STATE OF NEW YORK
SIGNATURE
10-19-16
DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

PROFILE SHEET 1

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF ___	N/A OF ___	19 OF 30
SCALE AS SHOWN	CAD REFERENCE 24123 ENG BASE	PROJECT NUMBER 24123.01

RESERVED FOR TOWN PLANNING BOARD APPROVAL

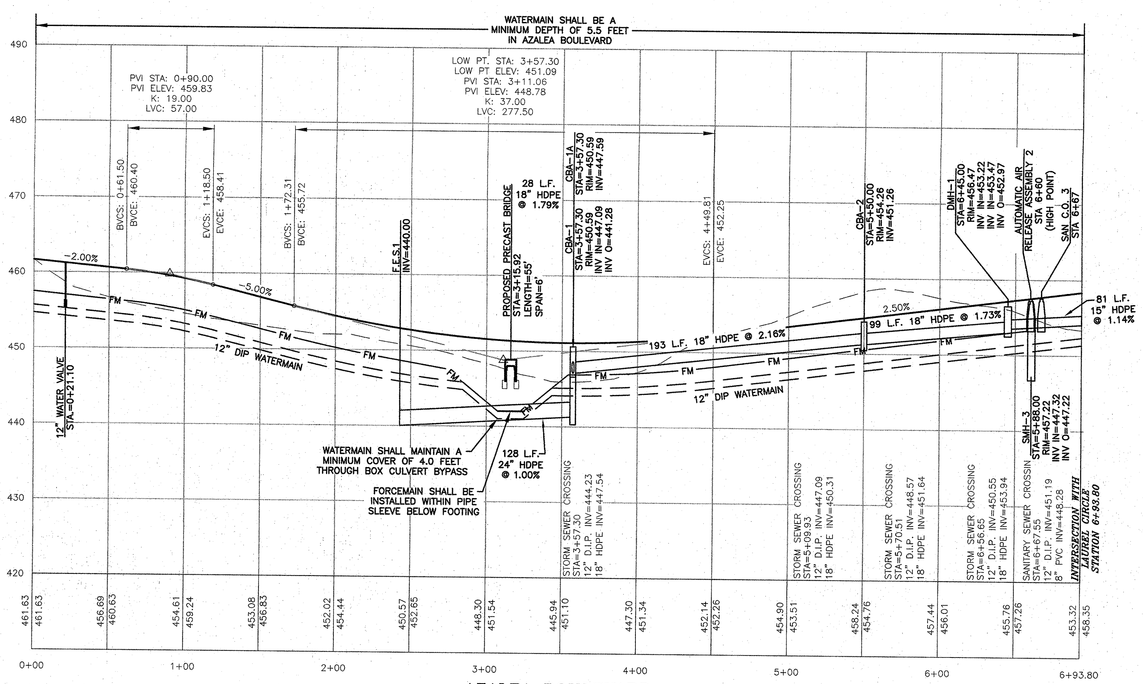
FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.

DATE 10/19/16
CHAIRMAN

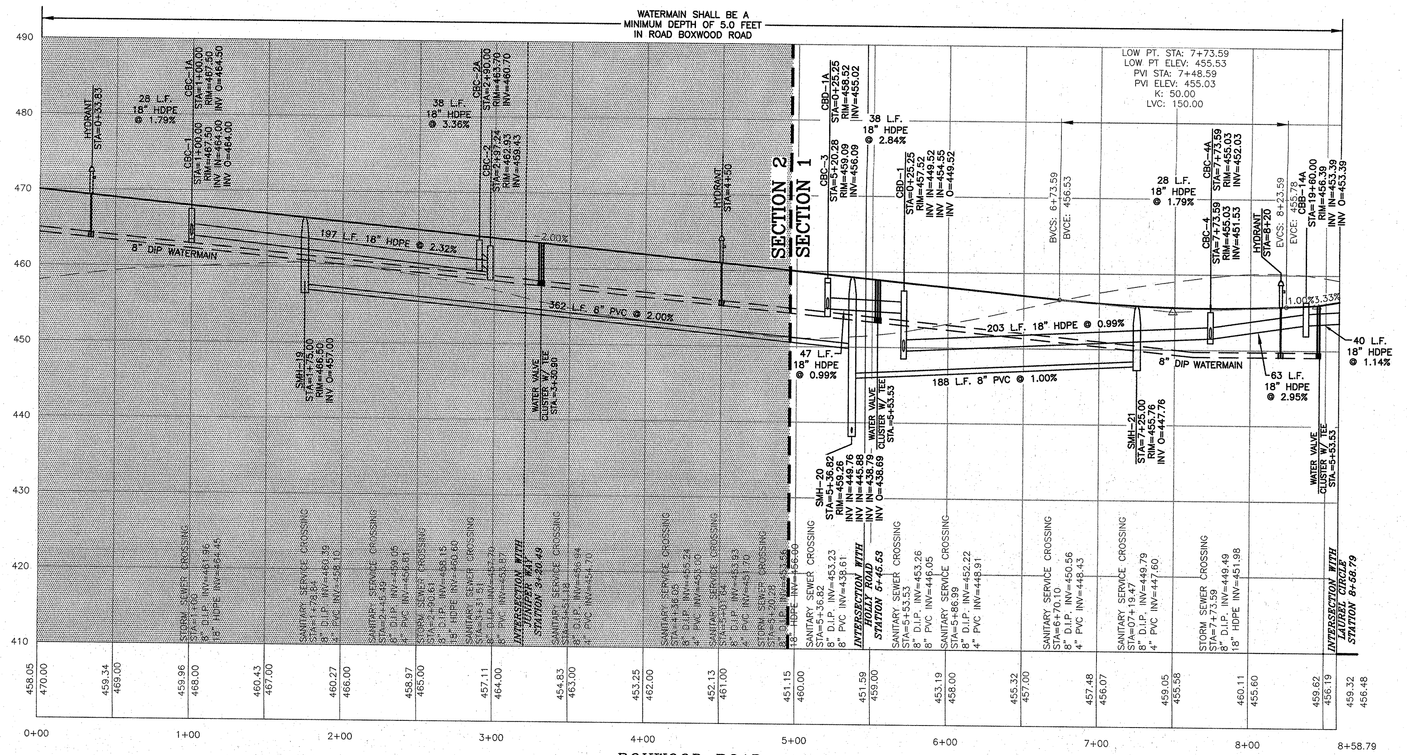
THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __.

UFPO

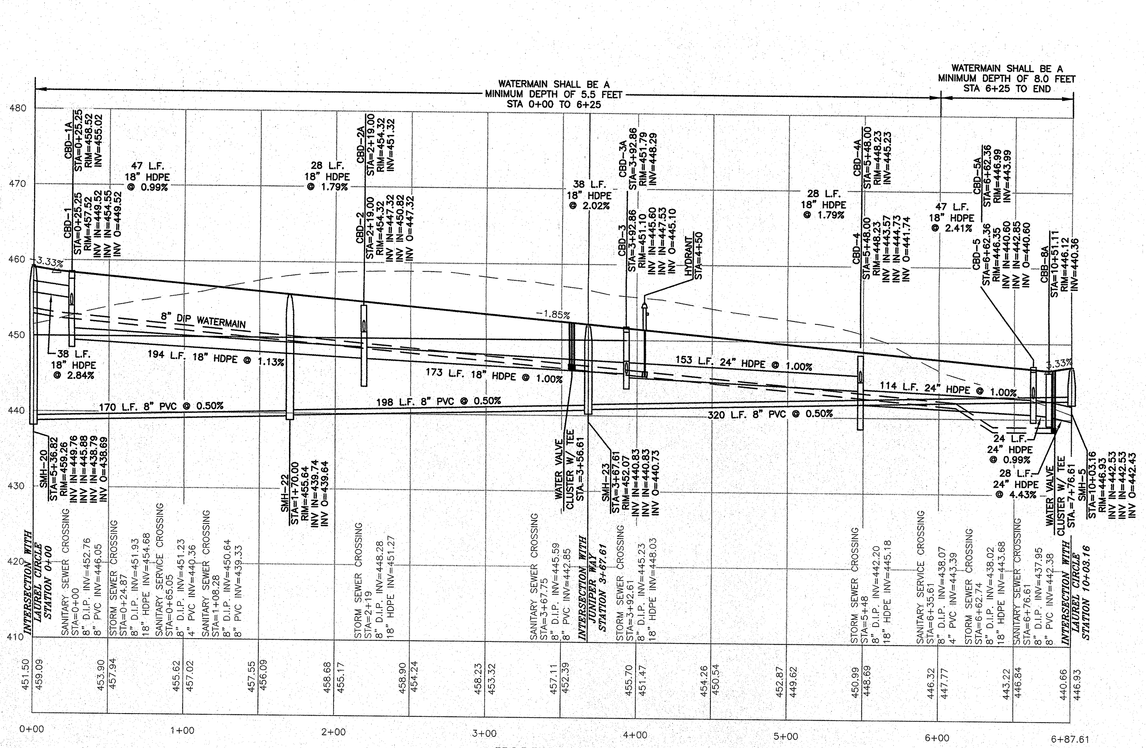
BEFORE YOU DIG, DRILL OR BLAST!
-CALL TOLL FREE 1-800-962-7962
-NY INDUSTRIAL CODE RULE 753 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.



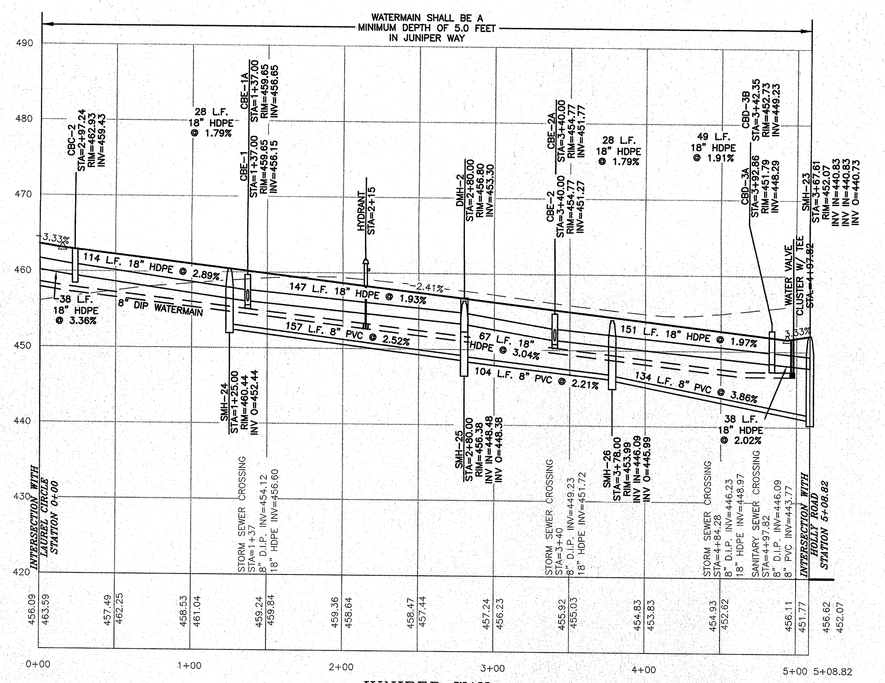
AZALEA BOULEVARD



BOXWOOD ROAD



HOLLY ROAD



JUNIPER WAY

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-26-16	AS PER PB ENGINEER (KZM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (KZM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STIP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS–8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS–5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS–2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

REVISIONS

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

PIETRZAK & PFAU
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282 GREENWICH AVENUE, SUITE A
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(845) 294-0006
2 HAMILTON AVENUE
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(845) 796-4546
JOSEPH J. PFAU P.E. — LICENSE NO. 065337
MICHAEL F. CORRIGAN P.L.S. — LICENSE NO. 050323
ROBERT J. GOODMAN P.E., P.L.S. LICENSED — LICENSE NO. 050075
M. DEMARLE — LICENSE NO. 35386

SIGNATURE — DATE 10-19-16

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

PROFILE SHEET 2

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF ___	N/A OF ___	20 OF 30
SCALE: AS SHOWN	CAD REFERENCE: 24123 ENG BASE	PROJECT NUMBER: 24123.01

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

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE _____
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _.

UFPO

BEFORE YOU DIG, DRILL OR BLAST!
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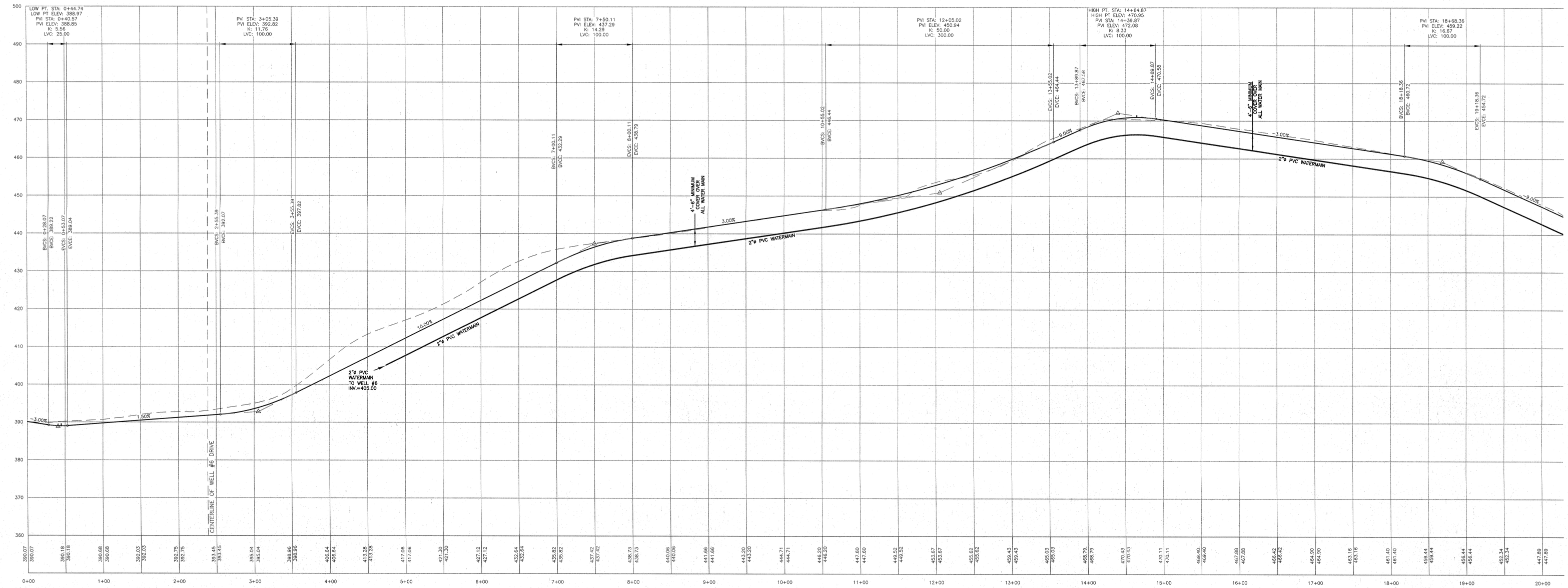
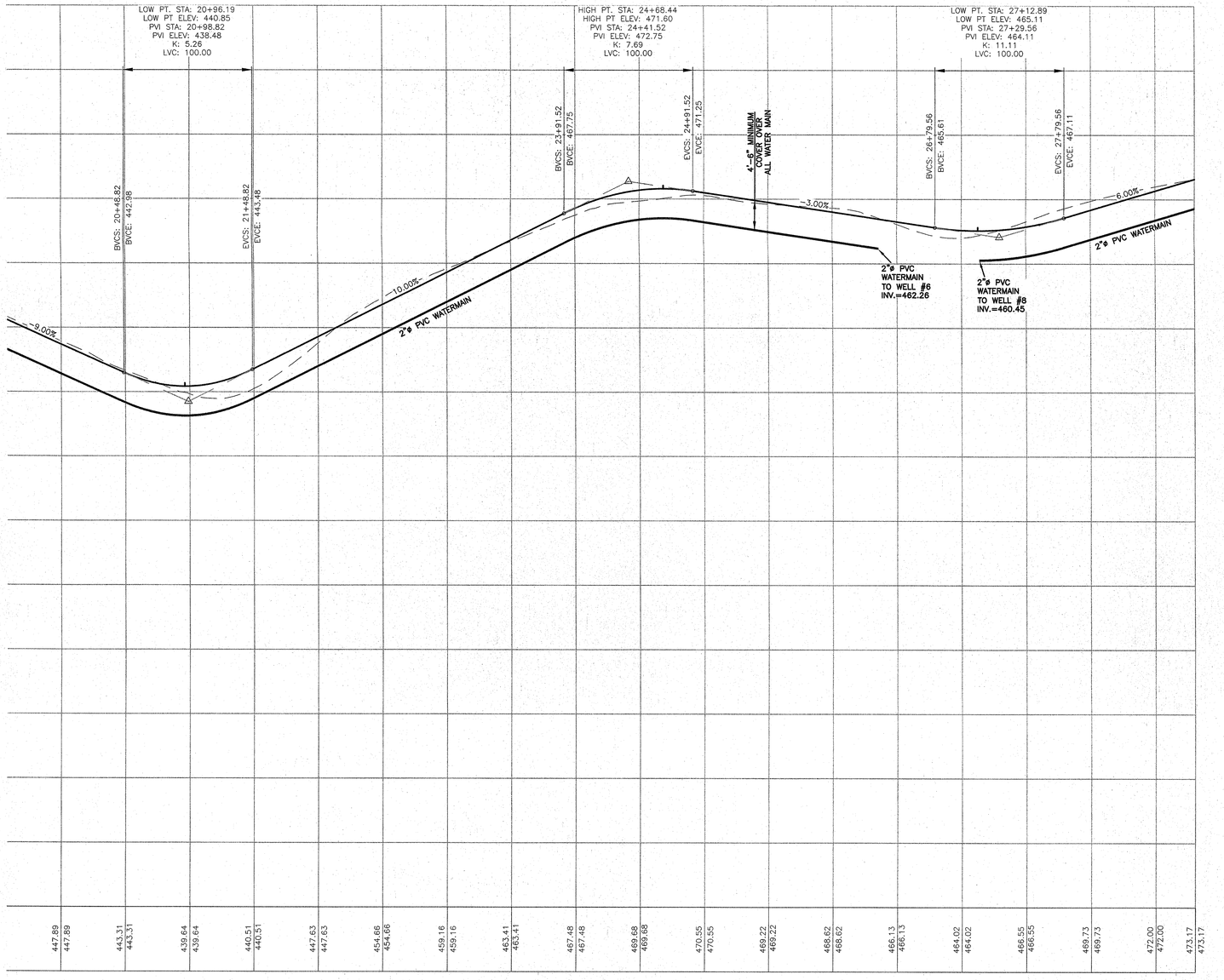
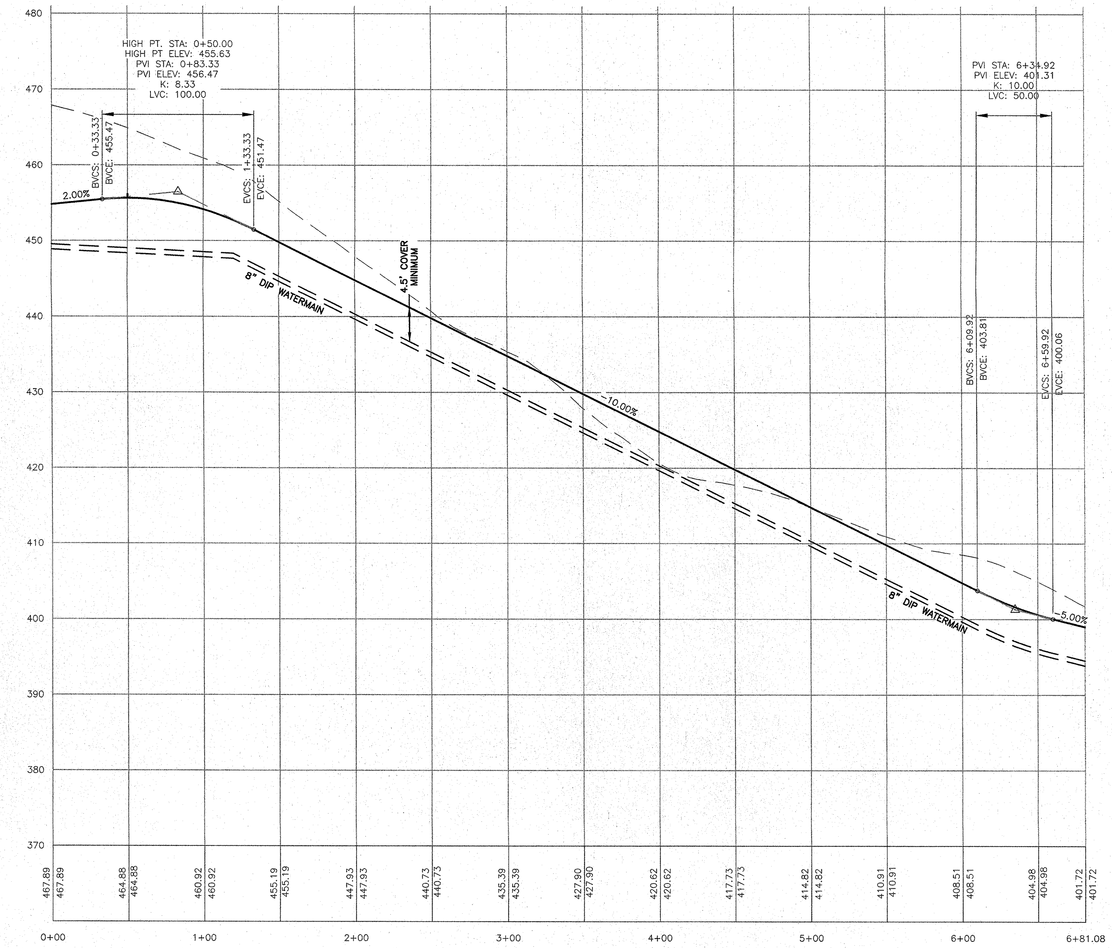
–NY INDUSTRIAL CODE RULE 753 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.



WELL ACCESS PROFILE 0+00 TO 20+00



WELL ACCESS PROFILE 20+00 TO 28+80



WATER TREATMENT BUILDING ACCESS DRIVEWAY

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (HDM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (HDM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

REVISIONS

MAP CHECK DATE: 00-00-00 | INITIALED BY: -_-

PIETRZAK & PFAU
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(845) 795-4946
JOSEPH J. PFAU P.E. — LICENSE NO. 065361
MICHAEL V. CORRIGAN P.L.S. — LICENSE NO. 050323
ANTHONY J. PIETRZAK P.E. — LICENSE NO. 065361
DAVID J. LUDDIGAN — NY LICENSE NO. 050075
PA LICENSE NO. 35396
JAMES A. ALIPPI P.E. — LICENSE NO. 35396

STATE OF NEW YORK — 065361 — JOSEPH J. PFAU — LICENSED PROFESSIONAL ENGINEER

10-19-16
DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

PROFILE SHEET 3

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF ___	N/A OF ___	21 OF 50
SCALE: AS SHOWN	CAD REFERENCE: 24123 ENG BASE	PROJECT NUMBER: 24123.01

RESERVED FOR TOWN PLANNING BOARD APPROVAL

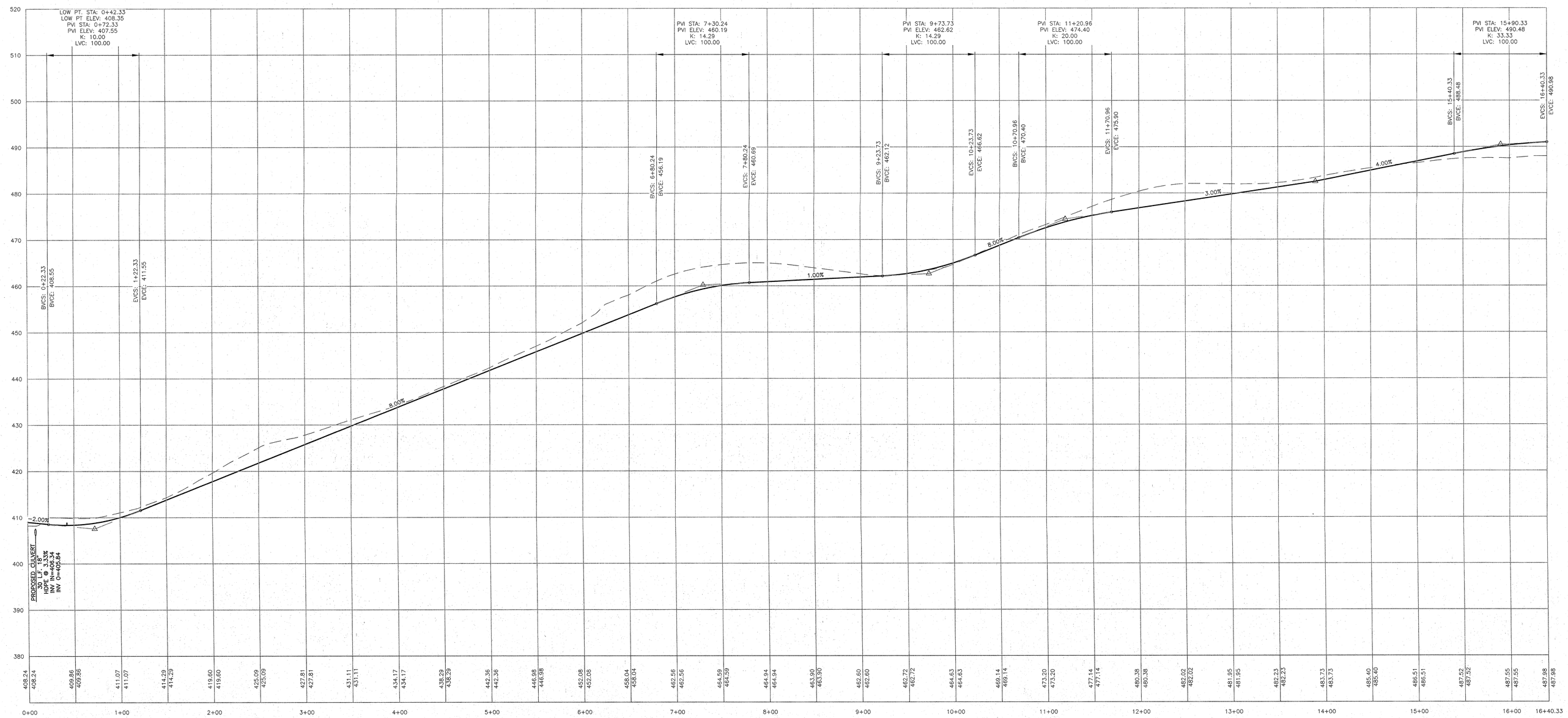
FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/24/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _.

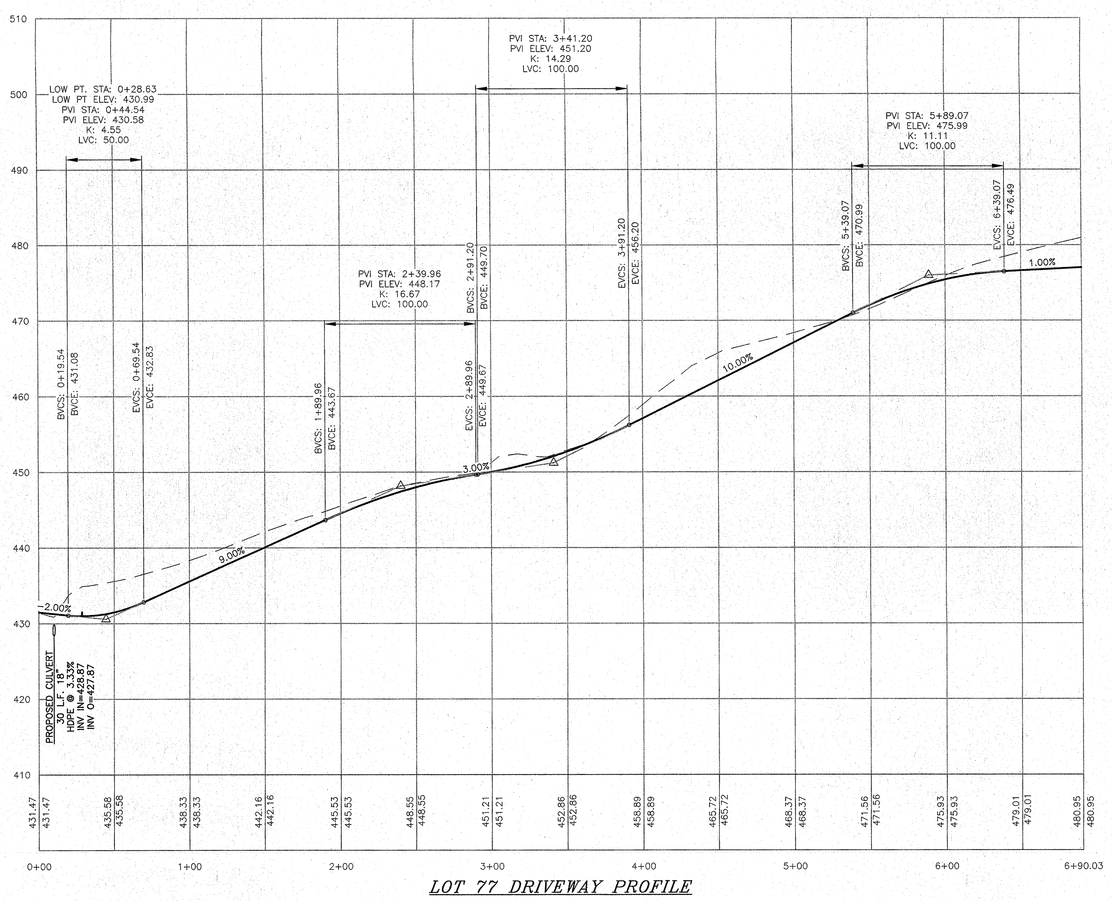
UFPO

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.

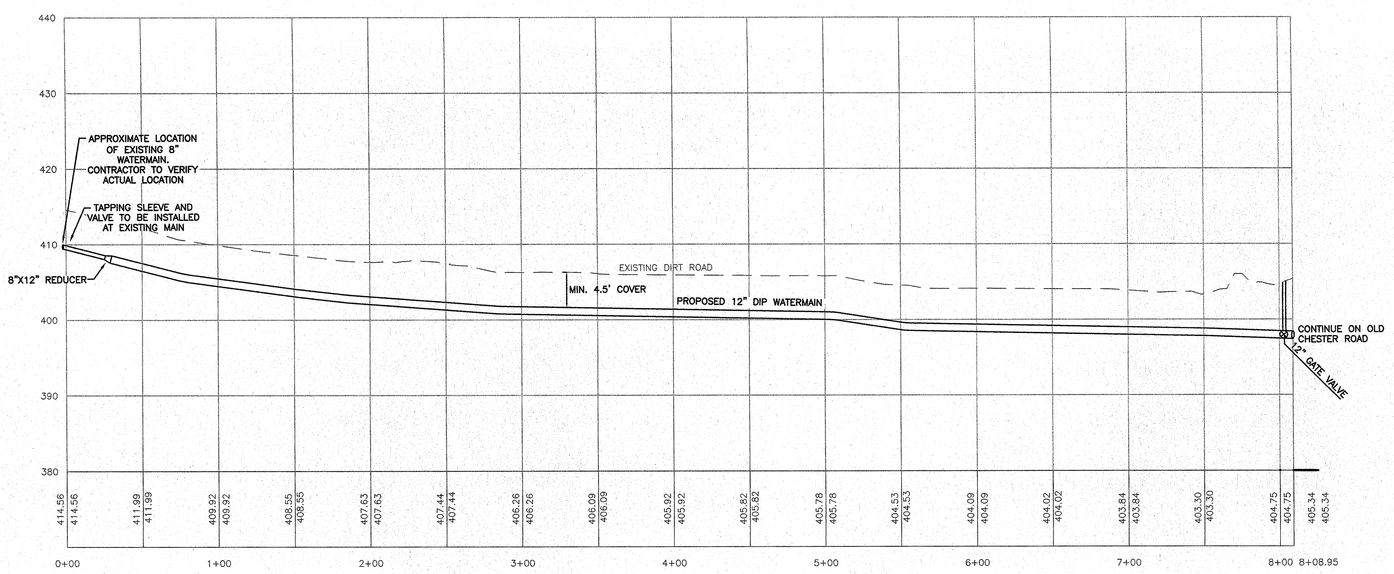
PROFILE SCALE:
HORIZONTAL 1" = 50'
VERTICAL 1" = 10'



LOT 76 DRIVEWAY PROFILE



LOT 77 DRIVEWAY PROFILE



WATERMAIN CONNECTION TO HAMBLETONIAN PARK PROFILE

10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (H2M) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (H2M) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-16-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW
DATE	DESCRIPTION	INITIALS

REVISIONS

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

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GROSNWICK AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-0666
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-4646
JOSEPH J. PFAU P.E.
LICENSE NO. 065845
MICHAEL F. CORCORAN P.L.S.
LICENSE NO. 050303
ROBERT W. PIETRZAK P.E., P.L.S. LICENSE NO. 065845
DAVID J. DEPEW P.L.S. LICENSE NO. 050075
KEVIN J. LUCAS LICENSE NO. 35336

SCALE: 1" = 50' DATE: 10-19-16

THE HERITAGE
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

PROFILE SHEET 4
SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF ___	N/A OF ___	22 OF 30
SCALE: AS SHOWN	CAD REFERENCE: 24123 ENG BASE	PROJECT NUMBER: 24123.01

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __

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

UFPO

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UFPO

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

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10-9-16
CHAIRMAN

RESERVED FOR TOWN PLANNING BOARD APPROVAL

THIS SHEET IS INCOMPLETE WHEN MULED WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __

PIETRZAK & PFAU
ENGINEERING & SURVEYING PLLC
282 GOSHEN AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-0660
FAX (845) 294-0664
2 HAMILTON AVENUE
MONTGOMERY, NEW YORK 12549
(845) 786-4646
FAX (845) 786-4646
ROBERT A. PIETRZAK P.E.
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 065329
MICHAEL A. PFAU P.L.S.
LICENSED LAND SURVEYOR
LICENSE NO. 050075

SIGNATURE
DATE 10-9-16

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

PROFILE SHEET 5

SECTION 9 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

DRAWING TITLE

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

O.D.N.O. SHEET NO.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF	N/A OF	23 OF 30

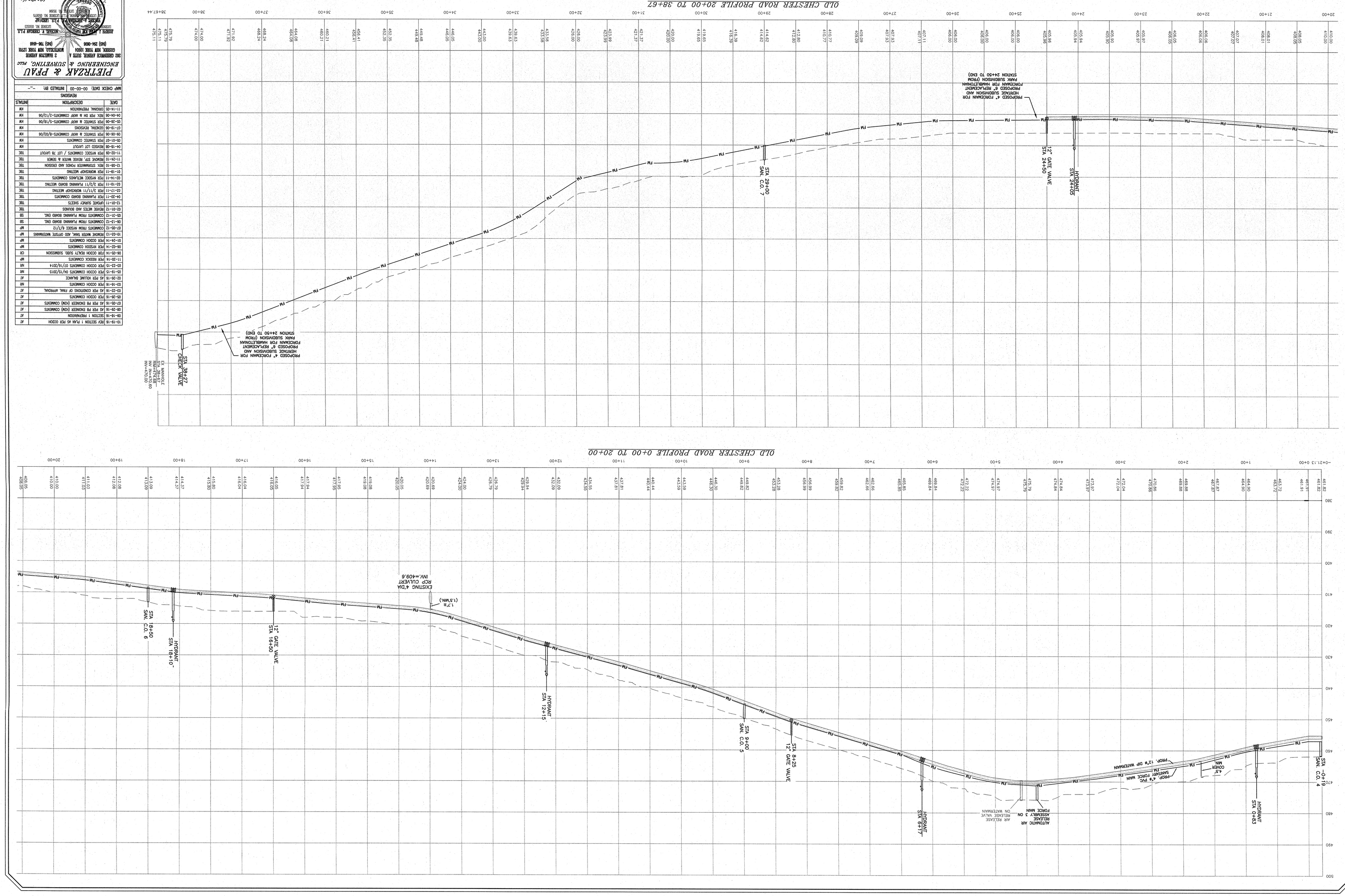
SCALE	CAD REFERENCE	PROJECT NUMBER
AS SHOWN	24123 ENG BASE	241231

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

REVISIONS

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER CCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
09-29-16	AS PER PB ENGINEER (HDM) COMMENTS	AT
09-26-16	AS PER PB ENGINEER (HDM) COMMENTS	AT
09-26-16	PER CCDOH COMMENTS	AT
09-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
09-16-16	PER CCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER CCDOH COMMENTS 07/16/2015	NR
05-22-15	PER CCDOH COMMENTS 07/16/2014	NR
11-20-14	PER ROCKX COMMENTS	MP
08-05-14	FOR READY SLAB, SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER CCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
05-02-13	COMMENTS FROM NYSDEC 6/7/13	MP
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
06-11-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE MLTES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
02-20-11	PER PLANNING BOARD COMMENTS	TBE
02-11-11	PER 2/1/11 WORKSHOP MEETING	TBE
02-10-11	PER 2/1/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-09	REVISED LOT LAYOUT	AW
05-01-07	PER SYMITS COMMENTS	AW
09-06-06	PER SYMITS & AWRF COMMENTS-8/03/06	AW
07-19-06	GENERAL REVISIONS	AW
06-26-06	PER SYMITS & AWRF COMMENTS-5/18/06	AW
04-04-06	REV. PER DH & AWRF COMMENTS-2/13/06	AW
11-14-05	ORIGINAL PREPARATION	AW

INITIALS	
AT	AT
NR	NR
CR	CR
MP	MP
SB	SB
TBE	TBE
AW	AW



Plant Name	Zone	Form	Available	Installation Tolerance	Water Value	Notes
Trees and Shrubs						
American Elm (*Ulmus americana*)	4-9.6	Inc Tree	Yes	Brightness-seasonal saturation	High food (seeds/browse) cover (nesting)	Susceptible to Dutch Elm disease. Seeds/Nutlets are food for many birds. Seeds in fall attract game birds.
Arrowwood Viburnum (*Viburnum dentatum*)	3-8	Inc Shrb	Yes	Yes	High Songbirds and mammals	Good host to sun and water tolerant. Fruit is popular food.
Black Cherry (*Prunus serotina*)	3-8	Inc Tree	Yes	Yes	Low food value, but important to wildlife	Fruit is a popular food. Leaves are toxic to livestock. Provides Butterfly larvae host.
Bayberry (*Myrica pensylvanica*)	4-5.6	Inc Shrb	Yes	Yes	High food (seeds, leaves) and habitat	Fruit is popular food. Leaves are food for butterfly larvae. Tolerates drought.
Black Alder (*Ilex verticillata*)	3-9	Inc Shrb	Yes	Yes	High food (seeds, nuts) and habitat	Fruit is popular food. Tolerates wet soil. Leaves are food for butterfly larvae.
Blackgum (*Nyssa sylvatica*)	3-8.5	Inc Tree	Yes	Brightness-seasonal saturation	High food (seeds, nuts) and habitat. Fruit provides water	Fruit is popular food. Tolerates drought and waterlogged soil.
Black Chokeberry (*Aronia melanocarpa*)	3-8	Inc Shrb	Yes	Yes	High food (seeds, nuts, berries)	Fruit is popular food. Tolerates wet soil.
Blue Flag Iris (*Iris versicolor*)	2-7	Emergent	Yes	Yes	Medium food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Bottlebrush Buckeye (*Aesculus parviflora*)	4-9	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Bur Oak (*Quercus macrocarpa*)	3-8	Inc Tree	Yes	Yes	High food (acorns) and habitat	Acorns are popular food. Tolerates wet soil.
Butternut (*Juglans cinerea*)	3-7	Inc Tree	Yes	Yes	High food (nuts) and habitat	Nuts are popular food. Tolerates wet soil.
Chokecherry (*Prunus virginiana*)	2-7	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Common Hackberry (*Celtis occidentalis*)	2-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Common Spice Bush (*Lindera benzoin*)	4-9	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Eastern Redbud (*Cercis canadensis*)	4-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Flowering Dogwood (*Cornus florida*)	5-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Gray Dogwood (*Cornus racemosa*)	3-8	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Hazelnut (*Corylus americana*)	4-9	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Highbush Cranberry (*Viburnum trilobum*)	2-7	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Hop Hornbeam (*Ostrya virginiana*)	4-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Inkberry (*Ilex glabra*)	4-9	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Jack Pine (*Pinus banksiana*)	2-7	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Juneberry (*Amelanchier canadensis*)	3-8	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Mockernut Hickory (*Carya tomentosa*)	4-8	Inc Tree	Yes	Yes	High food (nuts) and habitat	Fruit is popular food. Tolerates wet soil.
Northern Red Oak (*Quercus rubra*)	3-8	Inc Tree	Yes	Yes	High food (acorns) and habitat	Fruit is popular food. Tolerates wet soil.
Pin Oak (*Quercus palustris*)	4-8.5	Inc Tree	Yes	Yes	High food (acorns) and habitat	Fruit is popular food. Tolerates wet soil.
Red Cedar (*Juniperus virginiana*)	2-7	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Red Maple (*Acer rubrum*)	3-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Red Osier Dogwood (*Cornus sericea*)	2-7	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Shagbark Hickory (*Carya ovata*)	4-8	Inc Tree	Yes	Yes	High food (nuts) and habitat	Fruit is popular food. Tolerates wet soil.
Shrub Dogwood (*Cornus sericea*)	2-7	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Silver Maple (*Acer saccharinum*)	3-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Sycamore (*Platanus occidentalis*)	4-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Tamarack (*Larix laricina*)	2-6	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Tulip Tree (*Liriodendron tulipifera*)	4-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Wild Black Cherry (*Prunus serotina*)	3-8	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Witch Hazel (*Hamamelis virginiana*)	3-8	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Wood Thrush (*Hylocichla mustelina*)	2.3,4	Inc Shrb	Yes	Brightness-seasonal saturation	High food (seeds, berries) and habitat	Fruit is popular food. Tolerates wet soil.
Yellow Birch (*Betula alleghaniensis*)	3-6	Inc Tree	Yes	Yes	High food (seeds) and habitat	Fruit is popular food. Tolerates wet soil.
Grasses and Sedges						
Big Bluestem (*Andropogon gerardii*)	4.5	Bunchgrass	Yes	Brightness-seasonal saturation	High Seeds for songbirds. Seeds for humans	Prefers fine sand.
Blue Flag Iris (*Iris versicolor*)	2-7	Emergent	Yes	Yes	High food (seeds) and habitat	Prefers fine sand.
Bluestem (*Andropogon spp.*)	2.3,4	Bunchgrass	Yes	Brightness-seasonal saturation	High food for songbirds and habitat	Prefers fine sand.
Broomsedge (*Andropogon virginicus*)	2.3	Bunchgrass	Yes	Yes	High food for songbirds and habitat	Prefers fine sand.
Big Bluestem (*Andropogon gerardii*)	4.5	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Prefers fine sand.
Canada Wild Rye (*Elymus canadensis*)	2-7	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Prefers fine sand.
Little Bluestem (*Schizachyrium scoparium*)	2-7	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Prefers fine sand.
Switchgrass (*Panicum virgatum*)	2-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Prefers fine sand.
Tufted Hairgrass (*Deschampsia cespitosa*)	3.4,5	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Prefers fine sand.
Wool Grass (*Scirpus cyperinus*)	2.3	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Prefers fine sand.
Ferns and Mosses						
Cinnamon Fern (*Osmunda cinnamomea*)	3-7	Fern	Yes	Yes	High Food for humans and habitat	Prefers fine sand.
Ostrich Fern (*Matteuccia struthiopteris*)	2-7	Fern	Yes	Yes	High Food for humans and habitat	Prefers fine sand.
Sensitive Fern (*Onoclea sensibilis*)	2-7	Fern	Yes	Yes	High Food for humans and habitat	Prefers fine sand.
Sphagnum Moss (*Sphagnum spp.*)	2-7	Moss	Yes	Yes	High Food for humans and habitat	Prefers fine sand.

Table H.5 Native Plant Guide for Stormwater Management Areas (NY)

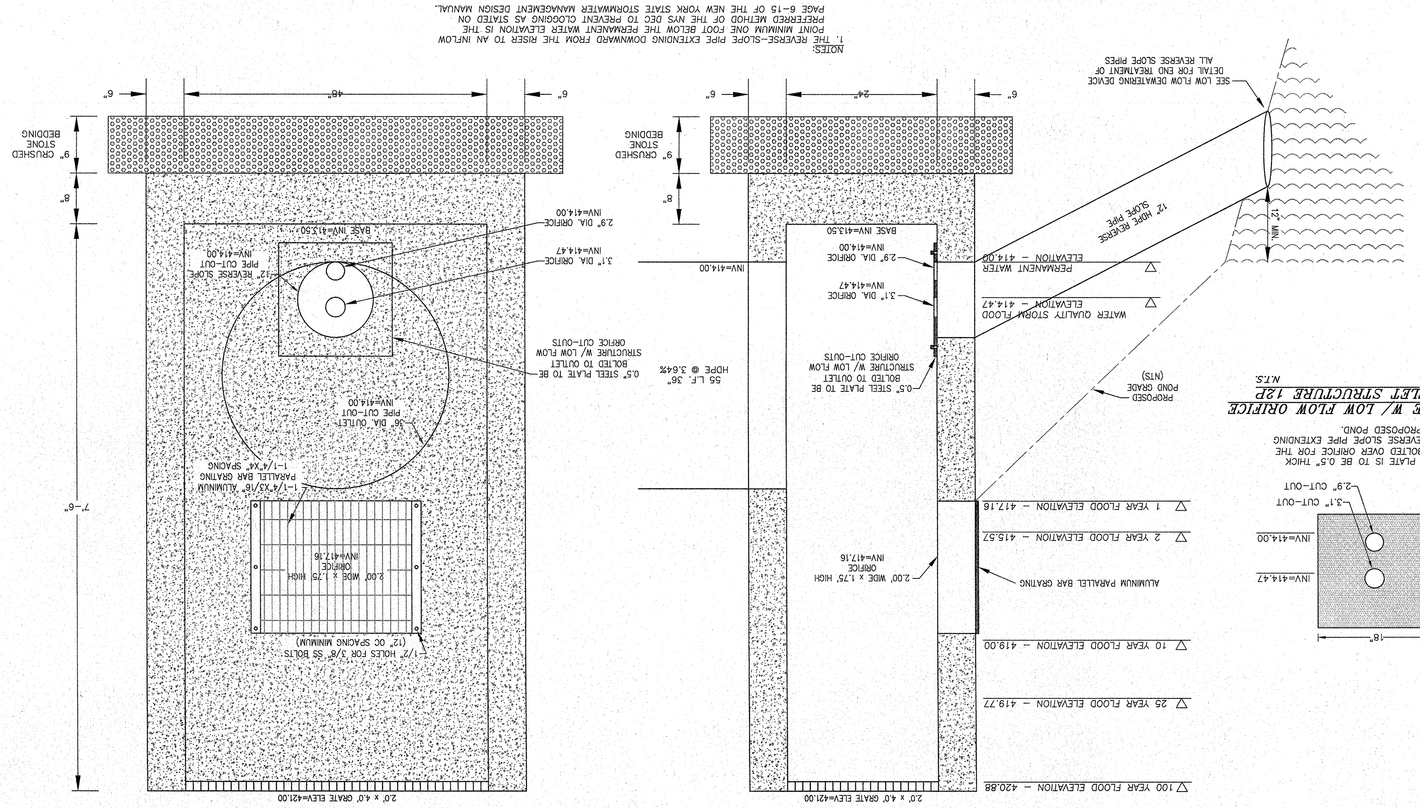
Plant Name	Zone	Form	Available	Installation Tolerance	Water Value	Notes
Canada Lily (*Lilium canadense*)	3-7	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Cardinal Flower (*Lobelia cardinalis*)	2-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Fowl Manna Grass (*Glyceria striata*)	3-7	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Green Bulrush (*Scirpus atrovirens*)	3-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Joe Pye Weed (*Eutrochium maculatum*)	4-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Lurid Sedge (*Carex lurida*)	3-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Pickerelweed (*Pontederia cordata*)	2-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Soft Rush (*Juncus effusus*)	2-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp Milkweed (*Asclepias incarnata*)	3-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp Rose (*Rosa palustris*)	5-9	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp Milkweed (*Asclepias incarnata*)	3-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp Rose (*Rosa palustris*)	5-9	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp Sunflower (*Helianthus angustifolius*)	4-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp White Oak (*Quercus bicolor*)	4-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Tufted Hairgrass (*Deschampsia cespitosa*)	3-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Wool Grass (*Scirpus cyperinus*)	2-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Yellow Iris (*Iris pseudacorus*)	4-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Other						
Cattail (*Typha spp.*)	2-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Duckweed (*Lemna spp.*)	1-2	Submerged	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Pickerelweed (*Pontederia cordata*)	2-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Sedge (*Carex spp.*)	2-9	Emergent	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Water Lily (*Nymphaea odorata*)	3-9	Floating	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.

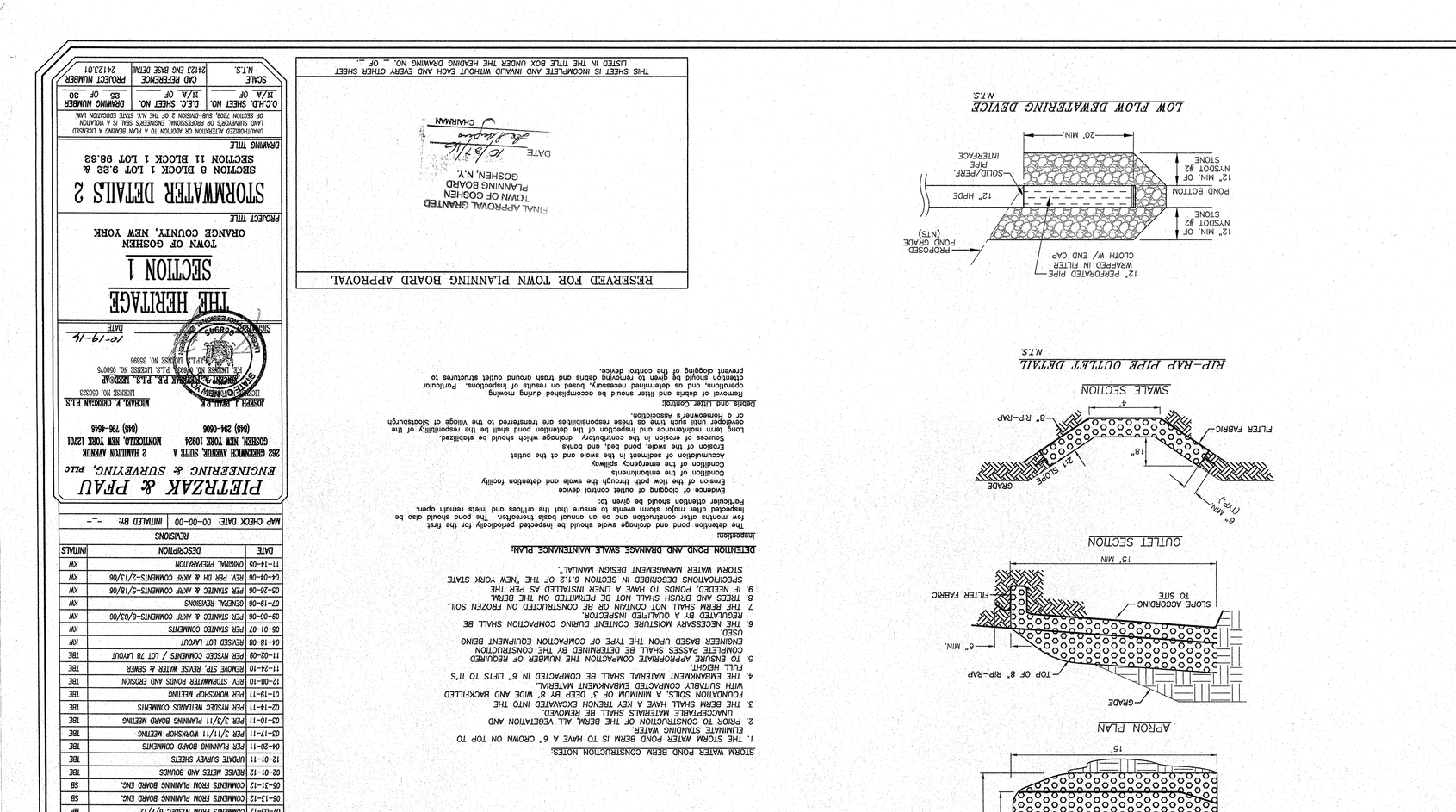
Table H.5 Native Plant Guide for Stormwater Management Areas (NY)

Plant Name	Zone	Form	Available	Installation Tolerance	Water Value	Notes
Bluestem Bunchgrass (*Schizachyrium scoparium*)	2-7	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Common Three-Square (*Scirpus pungens*)	2	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Dwarf Bur Marigold (*Bidens cernua*)	4-5	Flower	Yes	Brightness-seasonal saturation	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Fowl Mannagrass (*Glyceria striata*)	2	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Green Bulrush (*Scirpus atrovirens*)	2-7	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Joe Pye Weed (*Eutrochium maculatum*)	4-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Lurid Sedge (*Carex lurida*)	3-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Pickerelweed (*Pontederia cordata*)	2-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Soft Rush (*Juncus effusus*)	2-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp Milkweed (*Asclepias incarnata*)	3-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp Rose (*Rosa palustris*)	5-9	Inc Shrb	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp Sunflower (*Helianthus angustifolius*)	4-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Swamp White Oak (*Quercus bicolor*)	4-9	Inc Tree	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Tufted Hairgrass (*Deschampsia cespitosa*)	3-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Wool Grass (*Scirpus cyperinus*)	2-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Yellow Iris (*Iris pseudacorus*)	4-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Other						
Cattail (*Typha spp.*)	2-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Duckweed (*Lemna spp.*)	1-2	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Pickerelweed (*Pontederia cordata*)	2-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Sedge (*Carex spp.*)	2-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Water Lily (*Nymphaea odorata*)	3-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.

Table H.5 Native Plant Guide for Stormwater Management Areas (NY)

Plant Name	Zone	Form	Available	Installation Tolerance	Water Value	Notes
Sweet Flag (*Acorus americanus*)	2-9	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Wintergreen (*Gaultheria procumbens*)	3-7	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Ferns and Mosses						
Cinnamon Fern (*Osmunda cinnamomea*)	3-7	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Ostrich Fern (*Matteuccia struthiopteris*)	2-7	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Sensitive Fern (*Onoclea sensibilis*)	2-7	Bunchgrass	Yes	Yes	High food (seeds) and habitat	Seeds are food for songbirds. Tolerates wet soil.
Sphagnum Moss (*Sphagnum spp.*)	2-7





MAP CHECK DATE: 00-00-00	MULTED BY: -.-

REVISIONS

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN PER ACOE	AT
09-16-16	SECTION 1 REPAGINATION	AT
06-29-16	AS PER PB ENGINEER (HQW) COMMENTS	AT
06-06-16	AS PER PB ENGINEER (HQW) COMMENTS	AT
05-26-16	AS PER PB ENGINEER (HQW) COMMENTS	AT
03-23-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
02-26-16	AS PER VOLUME BALANCE	AT
01-16-16	PER DOGAN COMMENTS	NR
01-15-16	PER DOGAN COMMENTS 04/14/2015	NR
01-23-15	PER DOGAN COMMENTS 01/16/2014	NR
05-19-14	PER DOGAN COMMENTS 04/15/2015	NR
02-26-14	PER VOLUME BALANCE	AT
01-16-14	PER DOGAN COMMENTS	NR
11-25-13	PER REDACTED COMMENTS	NR
09-02-14	PER NYSDOH COMMENTS	NR
08-05-13	PER DOGAN DEWAT SLAB. SUBMISSION	CK
10-24-14	PER DOGAN COMMENTS	WP
10-02-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	WP
12-01-11	UPDATE SURVEY SHEETS	TBE
02-01-12	REVISE NOTES AND BOLLARDS	TBE
02-01-12	COMMENTS FROM MSDES 6/1/12	WP
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SG
08-13-12	COMMENTS FROM PLANNING BOARD ENG.	SG
09-05-12	COMMENTS FROM PLANNING BOARD ENG.	SG
02-11-11	PER PLANNING BOARD COMMENTS	TBE
03-10-11	PER 3/1/11 WORKSHOP MEETING	TBE
03-11-11	PER WORKSHOP MEETING	TBE
02-14-11	PER NYSDEC MEETINGS COMMENTS	TBE
01-18-11	PER WORKSHOP MEETING	TBE
12-06-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REVISE SPV, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 28 LAYOUT	TBE
06-18-09	REVISED LOT LAYOUT	AW
05-01-07	PER SYMITRI COMMENTS	AW
07-19-06	GENERAL REVISIONS	AW
06-30-06	PER SYMITRI & WRP COMMENTS-8/18/06	AW
06-26-06	PER SYMITRI & WRP COMMENTS-5/18/06	AW
04-04-06	PER WRP & WRP COMMENTS-2/13/06	AW
11-16-05	ORIGINAL REPAGINATION	AW

DATE	DESCRIPTION	INITIALS

PIETRZAK & PAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
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(845) 234-0666
2 MADISON AVENUE
MONTICELLO, NEW YORK 12701
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JOSEPH A. PIETRZAK P.E. PLS LICENSED NO 065325
MICHAEL P. PAU LICENSED NO 065325
STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
PIETRZAK & PAU PLS LICENSE NO 065325
NEW YORK STATE LICENSED LAND SURVEYOR NO 50396

10-19-16
DATE

THE HERITAGE
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

STORMWATER DETAILS 2
SECTION 9 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

DRAWING TITLE

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

SCALE	CAD REFERENCE	PROJECT NUMBER
N.T.S.	24123 END BASE DETAIL	24123.01

SCALE	DLC. SHEET NO.	DRAWING NUMBER
N.T.S.	1 OF 1	25 OF 30

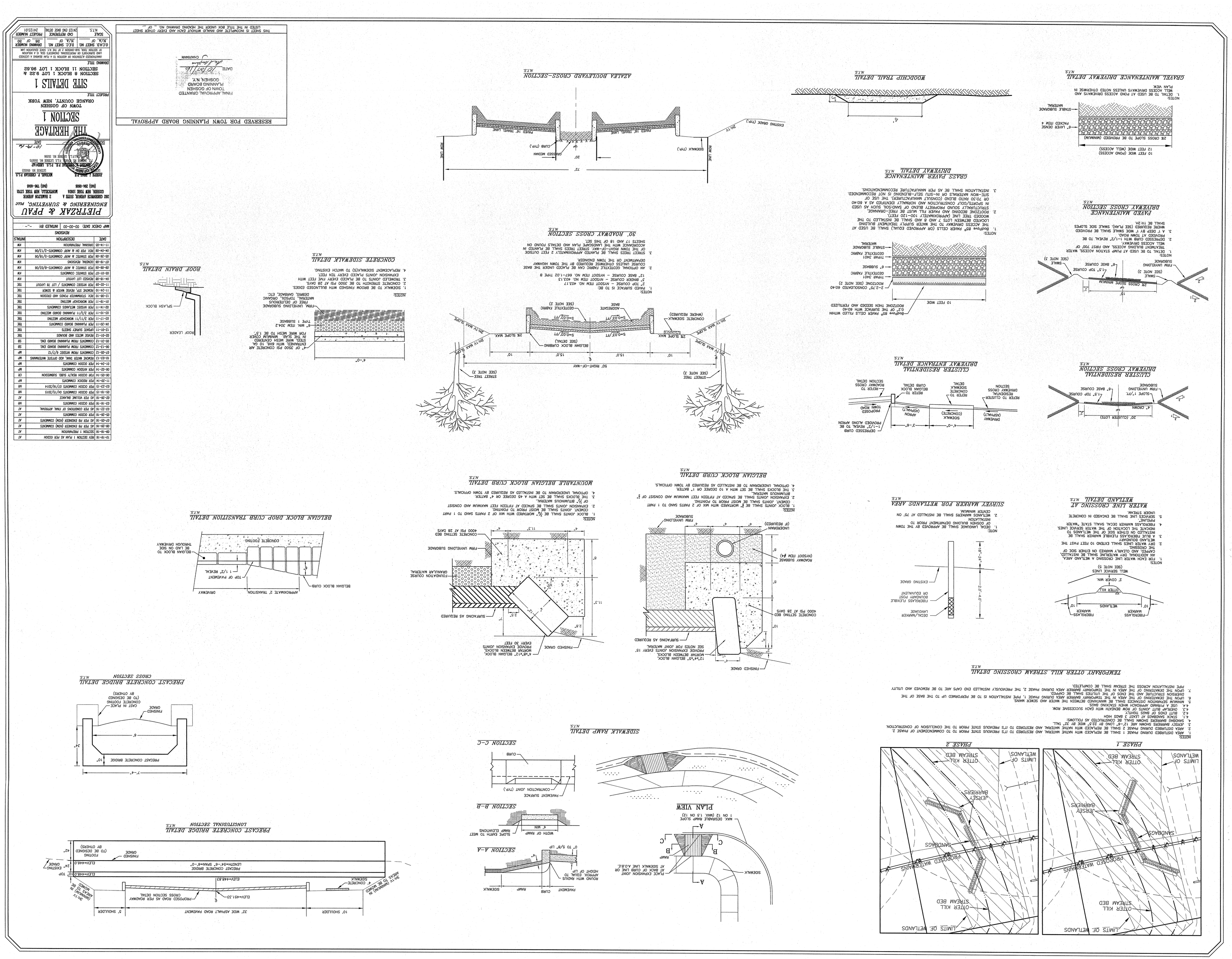
THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.

DATE

CHAIRMAN


LIMITS OF WETLANDS
OUTER KILL STREAM BED
PROPOSED WATERWAYS
SANDBAGS
JERSEY BARRIERS
PHASE 1
PHASE 2
PROPOSED ROAD AS PER ROADWAY CROSS SECTION DETAIL
ELEV=451.33
ELEV=448.83
ELEV=446.0
PRECAST CONCRETE BRIDGE LENGTH=54'-6" SPAN=6'-0"
FINISHED GRADE
EXISTING GRADE
FOOTING (TO BE DESIGNED BY OTHERS)
10' SHOULDER
32' WIDE ASPHALT ROAD PAVEMENT
5' SHOULDER
PRECAST CONCRETE BRIDGE LONGITUDINAL SECTION N.T.S.
PRECAST CONCRETE BRIDGE
FINISHED GRADE
CAST IN PLACE CONCRETE FOOTING (TO BE DESIGNED BY OTHERS)
PRECAST CONCRETE BRIDGE CROSS SECTION N.T.S.
SIDEWALK RAMP DETAIL N.T.S.
PLAN VIEW
SECTION A-A
SECTION B-B
SECTION C-C
PAVEMENT
CURB
RAMP
SIDEWALK
PAVEMENT SURFACE
CONTRACTION JOINT (TYP.)
TEMPORARY OTTER KILL STREAM CROSSING DETAIL N.T.S.
WATER LINE CROSSING AT WETLAND DETAIL N.T.S.
SURVEY MARKER FOR WETLANDS AREA N.T.S.
BELGIAN BLOCK DROP CURB TRANSITION DETAIL N.T.S.
MOUNTABLE BELGIAN BLOCK CURB DETAIL N.T.S.
BELGIAN BLOCK CURB DETAIL N.T.S.
CONCRETE SIDEWALK DETAIL N.T.S.
30' ROADWAY CROSS SECTION N.T.S.
ROOF DRAIN DETAIL N.T.S.
PAVED MAINTENANCE DRIVEWAY CROSS SECTION N.T.S.
GRASS PAVER MAINTENANCE DRIVEWAY DETAIL N.T.S.
AZALEA BOULEVARD CROSS-SECTION N.T.S.
WOODCHIP TRAIL DETAIL N.T.S.
GRAVEL MAINTENANCE DRIVEWAY DETAIL N.T.S.
CLUSTER RESIDENTIAL DRIVEWAY CROSS SECTION N.T.S.
CLUSTER RESIDENTIAL DRIVEWAY ENTRANCE DETAIL N.T.S.
BELGIAN BLOCK CURB DETAIL N.T.S.
MOUNTABLE BELGIAN BLOCK CURB DETAIL N.T.S.
RESERVED FOR TOWN PLANNING BOARD APPROVAL
FINAL APPROVAL GRANTED TOWN OF GOSHEN PLANNING BOARD GOSHEN, N.Y.
DATE
CHAIRMAN
THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _
PETERZAK & PAU
ENGINEERING & SURVEYING, PLLC
282 GODWINS AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-5656
2 HAMILTON AVENUE
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ANDREW J. PETERZAK
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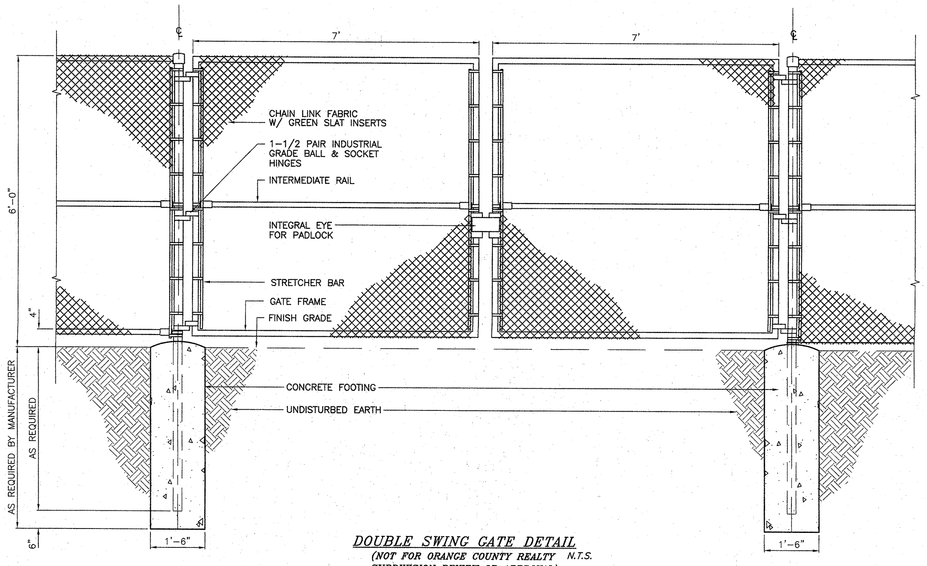
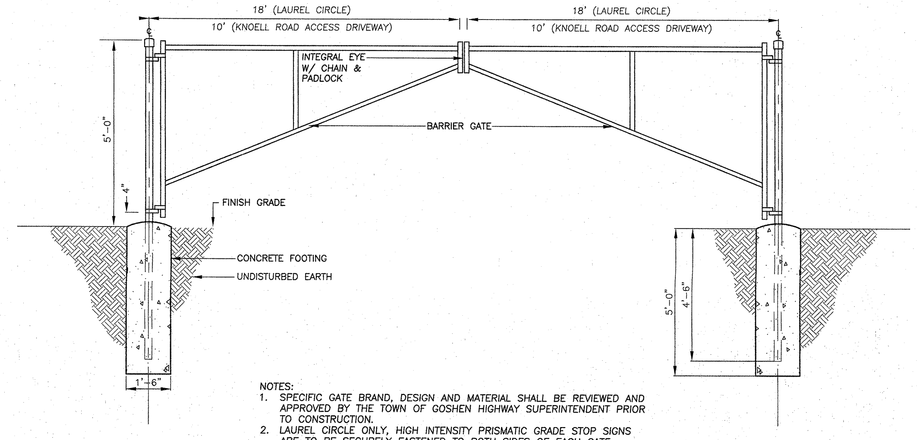
NEW YORK STATE LICENSE NO. 065362
JOHN A. PETERZAK P.E. P.LS. LEED AP
PROFESSIONAL ENGINEER NO. 065362
PROFESSIONAL LAND SURVEYOR NO. 050296
NICHOLAS A. CARDIGAN P.LS.
LICENSED NO. 050296
SIGNATURE
DATE
10-29-19
THE HERITAGE
SECTION 1
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
PROJECT TITLE
SITE DETAILS 1
SECTION 6 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 86.62
DRAWING TITLE
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S OR ARCHITECT'S SEAL IS A VIOLATION OF SECTION 7209 SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW
SCALE N.T.S.
SHEET OF
DRAWING NUMBER 256 OF 30
PROJECT NUMBER 24123.01
MAP CHECK DATE 00-00-00
MINUTES BY: --
REVISIONS
DATE
DESCRIPTION
INITIALS
10-19-16 REV SECTION 1 PLAN AS PER COGOH AT
09-16-16 SECTION 1 PREPARATION AT
08-29-16 AS PER FD COMMENTS (RDH) COMMENTS AT
07-25-16 AS PER FD COMMENTS (RDH) COMMENTS AT
07-23-16 AS PER COMMENTS OF TOWN APPROVAL AT
03-16-16 AS PER VILLAGE BALANCE AT
02-26-16 AS PER COGOH COMMENTS NR
05-19-15 PER COGOH COMMENTS 04/15/2015 NR
03-25-15 PER COGOH COMMENTS 07/16/2014 NR
11-20-14 PER ROCKY COMMENTS HP
06-26-14 PER NYSDOH COMMENTS HP
06-26-14 PER COGOH SCALY SUB. SUBMISSION CE
10-02-13 REVISE WATER TANK, ADD OFFSITE WATERMAIN HP
10-24-14 PER COGOH COMMENTS HP
10-02-13 REVISE WATER TANK, ADD OFFSITE WATERMAIN HP
09-06-12 COMMENTS FROM PLANNING BOARD ENG. SG
05-31-12 COMMENTS FROM PLANNING BOARD ENG. SG
05-17-12 COMMENTS FROM PLANNING BOARD ENG. SG
09-06-12 COMMENTS FROM NYSEC 6/7/12 HP
12-09-11 UPDATE SURVEY SHEETS TBE
04-20-11 PER PLANNING BOARD COMMENTS TBE
03-17-11 PER 3/17/11 WORKSHOP MEETING TBE
02-14-11 PER NYSEC MEETINGS COMMENTS TBE
01-19-11 PER WORKSHOP MEETING TBE
12-08-10 REV STORMWATER PONDS AND EROSION TBE
11-24-10 REVISE SITE PLAN AND WATER & SEWER TBE
11-02-10 PER NYSEC COMMENTS / LOT 28 LAYOUT TBE
08-18-10 REVISED LOT LAYOUT AT
07-02-10 PER NYSEC COMMENTS AT
06-08-10 PER STANTEC & MRF COMMENTS-6/03/06 KW
05-19-06 REVISED REVISIONS KW
03-06-06 PER STANTEC & MRF COMMENTS-3/18/06 KW
04-06-05 REV PER DH & MRF COMMENTS-2/13/06 KW
11-14-05 ORIGINAL PREPARATION KW
SCALE N.T.S.
SHEET OF
DRAWING NUMBER 256 OF 30
PROJECT NUMBER 24123.01
LAND SURVEYORS OR PROFESSIONAL ENGINEERS SEAL IS A VIOLATION OF SECTION 7209 SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW

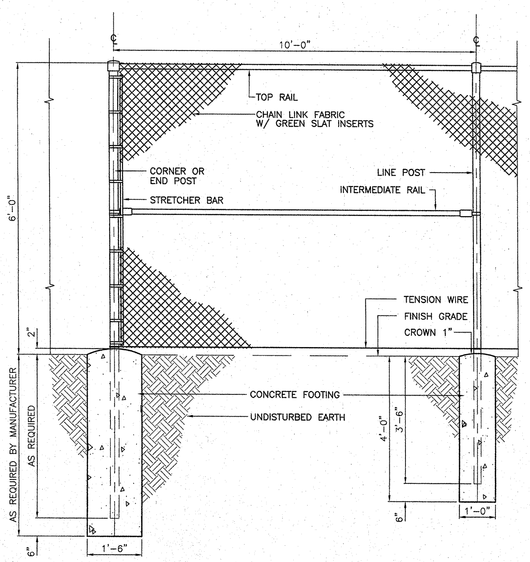


DOUBLE SWING GATE DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) N.T.S.

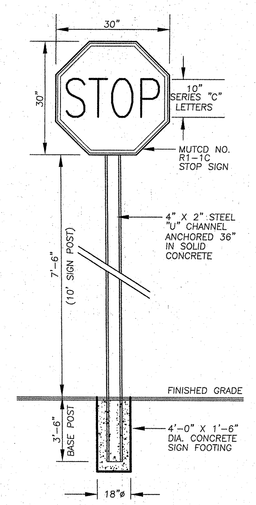


NOTES:
1. SPECIFIC GATE BRAND, DESIGN AND MATERIAL SHALL BE REVIEWED AND APPROVED BY THE TOWN OF GOSHEN HIGHWAY SUPERINTENDENT PRIOR TO CONSTRUCTION.
2. LAUREL CIRCLE ONLY, HIGH INTENSITY PRISMATIC GRADE STOP SIGNS ARE TO BE SECURELY FASTENED TO BOTH SIDES OF EACH GATE.
3. LAUREL CIRCLE ONLY, POSTS ARE TO HAVE TWO 3'X3' RED HIGH INTENSITY PRISMATIC GRADE PANELS ON EACH SIDE.

BREAK AWAY DOUBLE SWING GATE DETAIL
N.T.S.

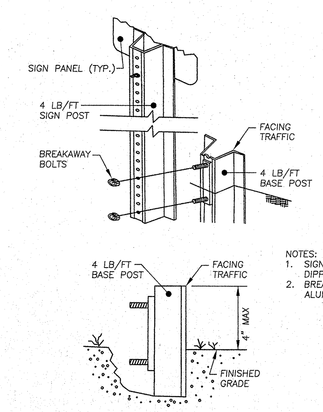


CHAIN LINK FENCE DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) N.T.S.



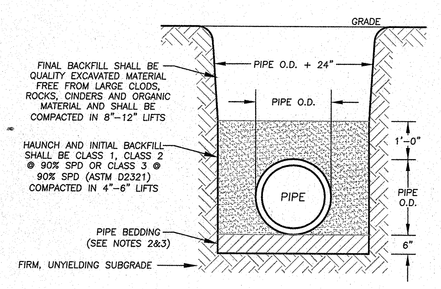
NOTES:
1. ALL SIGNAGE MUST BE MOUNTED ON BREAK-AWAY POSTS.
2. SIGN TO BE 30"x30" 3M OR EQUAL HI INTENSITY PRISMATIC GRADE STOP SIGN OR APPROVED EQUAL.
3. BASE POST SHALL NOT PROJECT MORE THAN 4" ABOVE FINISHED GRADE.
4. BASE POST AND SIGN POST TO BE HOT DIPPED GALVANIZED WITH A BREAKING STRENGTH OF 4 LB/FT MIN.
5. SIGN BOLTS: HOT DIPPED GALVANIZED GRADE 5
6. BREAKAWAY BOLTS: ALUMINUM

STOP SIGN DETAIL
N.T.S.



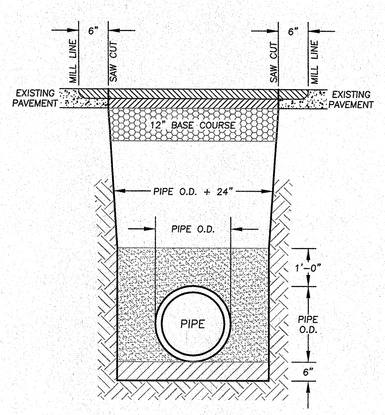
NOTES:
1. SIGN BOLTS SHALL BE HOT DIPPED GALVANIZED GRADE 5
2. BREAKAWAY BOLTS SHALL BE ALUMINUM

ANCHOR POST ASSEMBLY SIGN SUPPORTS DETAIL
N.T.S.



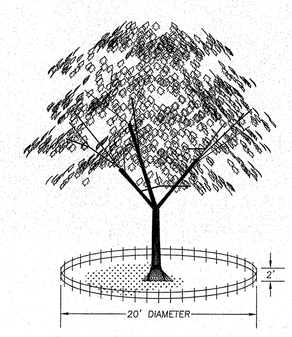
NOTES:
1. SOIL CLASSES AS DEFINED IN ASTM D 2487 AND D 2321.
2. PIPE BEDDING FOR STORM SEWERS SHALL BE CLASS 1 EMBEDMENT MATERIAL OR CLASS 2 OR 3 EMBEDMENT MATERIAL COMPACTED TO 90% STANDARD PROCTOR DENSITY.
3. PIPE BEDDING FOR WATERMAIN AND SEWERMAIN SHALL BE CLASS 1 EMBEDMENT MATERIAL OR SAND.
4. PARTICLE SIZE IN THE EMBEDMENT ZONE SHALL NOT EXCEED 2".
5. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT TO SUITABLE MATERIAL.

PIPE BEDDING & BACKFILL DETAIL
N.T.S.



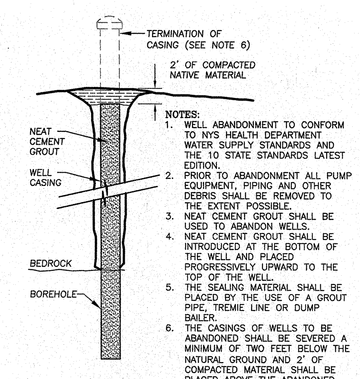
SEQUENCE:
1. SAW CUT EXISTING PAVEMENT AT TRENCH WIDTH.
2. INSTALL UTILITY IN ACCORDANCE WITH THE PIPE BEDDING AND BACKFILL DETAILS.
3. INSTALL 12" OF BASE COURSE BELOW NEW/REPLACEMENT PAVEMENT.
4. INSTALL BINDER TO THE TOP OF EXISTING ASPHALT.
5. AFTER SETTLEMENT PERIOD, MILL 1-1/2" PAVEMENT THE WIDTH OF THE TRENCH PLUS 6" EITHER SIDE OF TRENCH.
6. APPLY TACK COAT.
7. PAVE MILLED AREA WITH 1-1/2" TOP COURSE.
8. APPLY SEAL COAT.

TRENCH RESTORATION FOR TOWN ROADWAY OPENING DETAIL
N.T.S.



NOTES:
1. SILT FENCE MATERIAL MAY BE USED TO BUILD TREE PRESERVATION FENCE.
2. DRIVE STAKES FIRMLY INTO GROUND - 12" MINIMUM.

TREE PRESERVATION AND PROTECTION DETAIL
N.T.S.



NOTES:
1. WELL ABANDONMENT TO CONFORM TO NYS HEALTH DEPARTMENT WATER SUPPLY STANDARDS AND THE 10 STATE STANDARDS LATEST EDITION.
2. PRIOR TO ABANDONMENT ALL PUMP EQUIPMENT, PIPING AND OTHER DEBRIS SHALL BE REMOVED TO THE EXTENT POSSIBLE.
3. NEAT CEMENT GROUT SHALL BE USED TO ABANDON WELLS.
4. NEAT CEMENT GROUT SHALL BE INTRODUCED AT THE BOTTOM OF THE WELL AND PLACED PROGRESSIVELY UPWARD TO THE TOP OF THE WELL.
5. THE SEALING MATERIAL SHALL BE PLACED BY THE USE OF A GROUT PIPE, TREMIE LINE OR DUMP BAILER.
6. THE CASINGS OF WELLS TO BE ABANDONED SHALL BE SEVERED A MINIMUM OF TWO FEET BELOW THE NATURAL GROUND AND 2' OF COMPACTED MATERIAL SHALL BE PLACED ABOVE THE ABANDONED WELL UPON COMPLETION.

WELL ABANDONMENT DETAIL
N.T.S.

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (KZM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (KZM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDSICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

REVISIONS

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

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MONTICELLO, NEW YORK 12701
(845) 796-6646
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LICENSE NO. 065400
MICHAEL P. CORRIGAN P.L.S.
LICENSE NO. 050203
JONATHAN P. SHERMAN P.E. P.L.S. LEED®AP
LICENSE NO. 065400 P.L.S. LICENSE NO. 050075
ANDREW J. SHERMAN P.L.S. LICENSE NO. 050398

SIGNATURE 10-19-16 DATE

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

PROJECT TITLE

SITE DETAILS 2

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62

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.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A OF ___	N/A OF ___	27 OF 30
SCALE	CAD REFERENCE	PROJECT NUMBER
N.T.S.	24123 ENG BASE DETAIL	24123.01

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/18/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. __ OF __

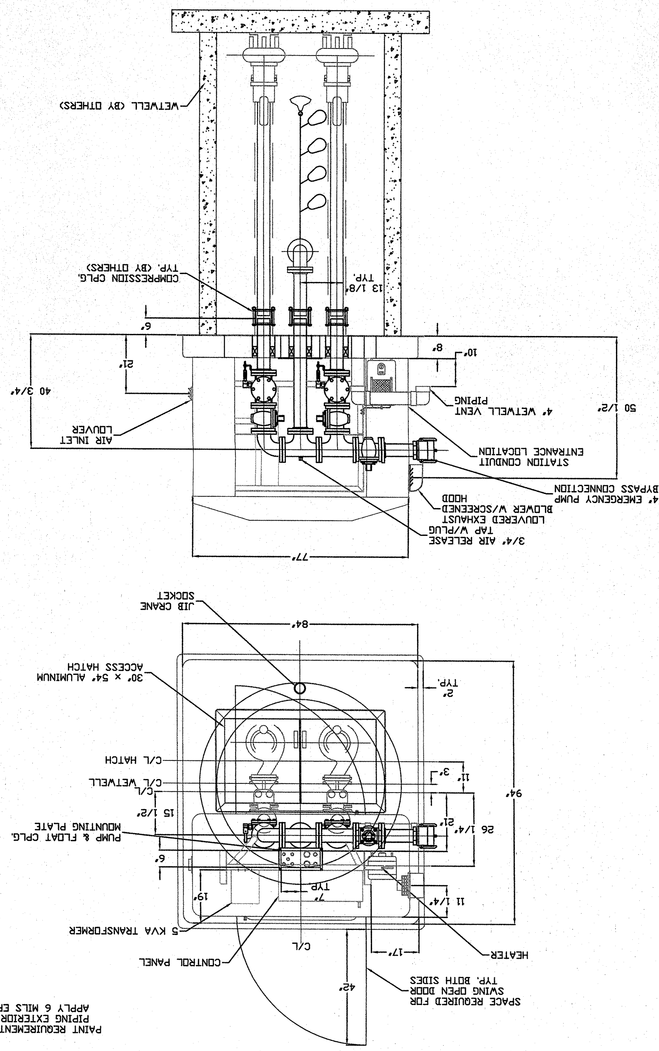
PUMP STATION ELEVATION TABLE

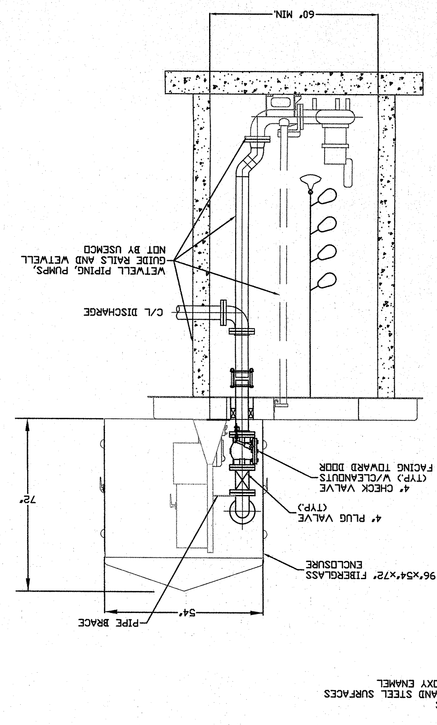
CHAMBER MODEL	RIM ELEVATION	INFLUENT INVERT ELEVATION	ALARM PUMP 2 ON ELEVATION	PUMP 1 ON ELEVATION	PUMP OFF ELEVATION	BASE ELEVATION	INSTALL DUPLEX GRINDER PUMPS – USE PUMP MODEL
COMMERCIAL 6" DIA	430.0';	424.5';	424.5';	422.8';	419.95';	418.95';	ABS MODEL PE43/2 6 HP, 3 PHASE GRINDER PUMP

NOTES:
1. PUMP STATION CHAMBER TO BE PRECAST CONCRETE, AS MANUFACTURED BY WOODWARD'S CONCRETE PRODUCTS, INC., 6' DIA COMMERCIAL PUMP CHAMBER OR APPROVED EQUAL.
2. ELECTRICAL EQUIPMENT IN WET WELLS OR IN ENCLOSED SPACES WHERE EXPLOSIVE GASES MAY ACCUMULATE SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE FOR CLASS, DIVISION 1, GROUP C OR D LOCATIONS. THERE SHALL BE NO ELECTRICAL SPLICES, JUNCTION BOXES, OR CONNECTIONS OF ANY NEC RATING IN A SEWER WET WELL.
3. ALL PENETRATIONS TO THE PUMP CHAMBER MUST BE CORE BORED AND KOR-N-SEAL INSTALLED OR APPROVED EQUAL.
4. MAGNETIC FLOW METER AND CHART RECORDER SHALL BE PROVIDED. EQUIPMENT MODELS SHALL BE CONFIRMED BY THE TOWN OF GOSHEN SEWER SUPERINTENDENT.

PRECAST PUMP CHAMBER 4" PIPING

(NOT FOR OHANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) N.T.S.

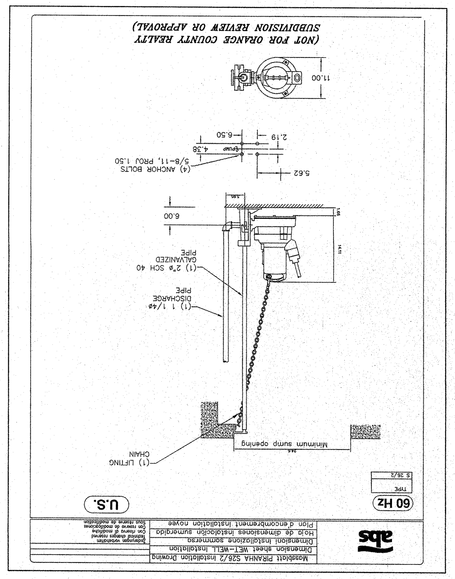


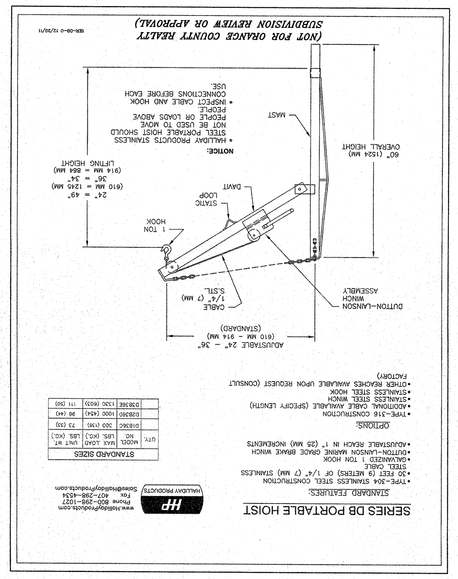


GENERAL NOTES – SANITARY SEWER

1. TESTING FOR LEAKAGE SHALL BE PERFORMED WITH MINIMUM POSITIVE HEAD OF 2" INFILTRATION/EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER MILE PER INCH DIAMETER PER 24 HOURS.
2. EXCAVATION WATER WILL BE DISCHARGED TO THE WATERWAYS OR CATCH BASINS. THESE DISCHARGES SHOULD BE FILTERED AND SHOULD BE FREE OF SEDIMENT BEFORE ENTERING INTO THE WATERCOURSES OR ANY CONVEYANCE SYSTEM.
3. DEFLECTION TEST SHALL BE PERFORMED ON ALL PVC PIPES ACCORDING TO THE FOLLOWING REQUIREMENTS:
   A. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM.
   B. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF DEFLECTION EXCEEDS 5%, THE PIPE SHALL BE EXCAVATED, REPLACEMENT OR CORRECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH REQUIREMENTS IN THE APPROVED SPECIFICATIONS.
   C. THE RIGID BALL OR MANDREL USED FOR DEFLECTION TEST SHALL HAVE A DIAMETER NOT LESS THAN 95 PERCENT OF THE BASE INSIDE DIAMETER OF AREMEAS INSIDE DIAMETER OF THE PIPE DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION. INSTALLATIONS THE APPROVAL TO WHICH THE PIPE IS MANUFACTURED. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

(NOT FOR OHANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)





(NOT FOR OHANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)

RESERVED FOR HEALTH DEPARTMENT APPROVAL

ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
By direction of the State Commissioner of Health
these plans are hereby approved pursuant to the
Public Health Law, State Sanitary Code and
regulations.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

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

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE
CHAIRMAN

THE SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING "ALL OF _"

SCALE	O.A.H.D. SHEET NO.	DRAWING NUMBER
1" = 20'	N.T.S.	2412.01

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

REVISIONS

DATE	DESCRIPTION	INITIALS
01-19-16	REV SECTION 1 PLAN AS PER COOCH	AT
09-16-16	SECTION 1 PREPARATION	AT
09-29-16	AS PER PB COMMENTS (MDM) COMMENTS	AT
09-26-16	PER COOCH COMMENTS (MDM) COMMENTS	AT
09-26-16	AS PER PB COMMENTS (MDM) COMMENTS	AT
09-26-16	PER COOCH COMMENTS	AT
02-22-16	AS PER COMMENTS OF TWAL APPROVAL	AT
09-26-16	PER COOCH COMMENTS	AT
01-16-16	AS PER COOCH COMMENTS	NR
02-26-16	PER VOLUME BALANCE	AT
01-19-16	PER COOCH COMMENTS	NR
11-20-16	PER MDMC COMMENTS	AP
09-26-16	PER MDMC COMMENTS	AP
09-26-16	PER MDMC COMMENTS	AP
09-26-16	PER COOCH COMMENTS	AP
10-26-16	PER COOCH COMMENTS	AP
10-02-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	AP
01-19-16	PER COOCH COMMENTS	AP
09-26-16	PER MDMC COMMENTS	AP
09-05-16	PER COOCH READY SUBD. SUBMISSION	CR
11-20-16	PER MDMC COMMENTS	AP
03-23-16	PER COOCH COMMENTS 07/16/2014	NR
01-19-16	PER COOCH COMMENTS 09/15/2015	NR
01-19-16	PER COOCH COMMENTS	NR
12-14-15	PER COOCH COMMENTS	NR
12-01-15	PER COOCH COMMENTS	NR
12-01-11	UPDATE SURVEY SHEETS	TBE
02-01-12	REVISE METES AND BOUNDS	TBE
03-01-12	COMMENTS FROM MDSSC 8/7/11	AP
03-13-12	COMMENTS FROM PLANNING BOARD EMC.	SB
03-13-12	COMMENTS FROM PLANNING BOARD EMC.	SB
03-01-12	COMMENTS FROM MDSSC 8/7/11	AP
03-01-12	COMMENTS FROM PLANNING BOARD EMC.	SB
03-10-11	PER PLANNING BOARD COMMENTS	TBE
03-11-11	PER WORKSHOP MEETING	TBE
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01-19-11	PER WORKSHOP MEETING	TBE
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01-19-11	PER WORKSHOP MEETING	TBE
12-06-10	REV STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
08-18-10	REVISED LOT LAYOUT	AM
11-02-09	PER MDSSC COMMENTS / LOT 78 LAYOUT	TBE
05-01-07	PER SMWSSC COMMENTS	AM
09-06-06	PER SMWSSC & MDP COMMENTS-8/23/06	AM
05-26-06	PER SMWSSC & MDP COMMENTS-5/19/06	AM
01-19-06	GENERAL REVISIONS	AM
09-06-05	PER SMWSSC & MDP COMMENTS-9/12/05	AM
11-02-04	REV PER DH & MDP COMMENTS-2/13/06	AM
12-06-03	PER SMWSSC & MDP COMMENTS	AM
11-24-03	ORIGINAL PREPARATION	AM

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(845) 786-4646
PIETRZAK & PFAU ENGINEERING & SURVEYING, PLLC
LICENSED BY NEW YORK STATE
LICENSED BY NEW YORK STATE
JOSEPH A. PIETRZAK, P.E.
LICENSE NO. 065227
MICHAEL P. PFAU, P.E.
LICENSE NO. 065229
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LICENSED BY NEW YORK STATE
JOSEPH A. PIETRZAK
LICENSE NO. 065227
SIGNATURE
DATE
10-17-16

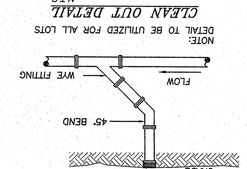
MUNICIPAL ADDITION OR ADDITION TO A PLAN BOARD LICENSED UNDERGROUND UTILITIES OR PROFESSIONAL ENGINEER, S.A. & MEASURE OF SECTION 7005 SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW

DRAWING TITLE
SECTION 9 BLOCK 1 LOT 9.22 & SECTION 11 BLOCK 1 LOT 99.62

SEWER DETAILS
SECTION 1
THE HERITAGE
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

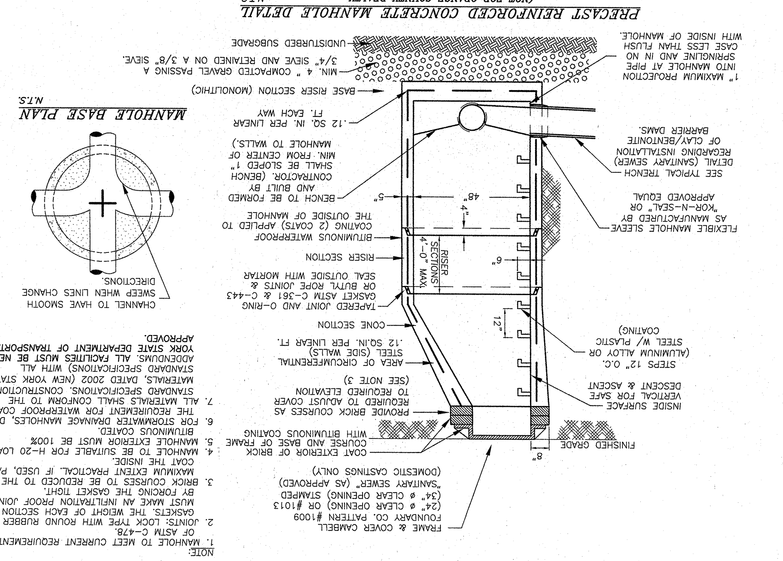
PROJECT TITLE

CLEAN OUT DETAIL
N.T.S.

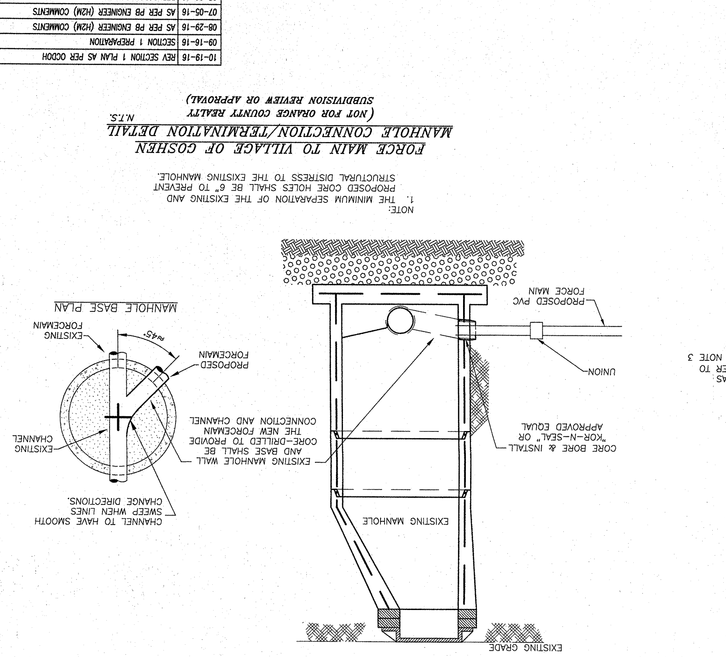


MANHOLE BASE PLAN
N.T.S.

PRECAST REINFORCED CONCRETE MANHOLE DETAIL
(NOT FOR OHANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) N.T.S.



BRIDGE MAIN TO VILLAGE OF GOSHEN MANHOLE CONNECTION/TERMINATION DETAIL
(NOT FOR OHANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) N.T.S.

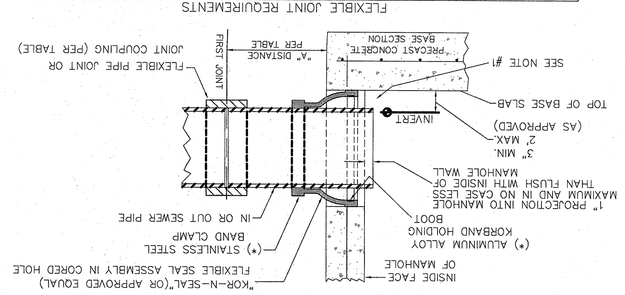


FLEXIBLE JOINT REQUIREMENTS

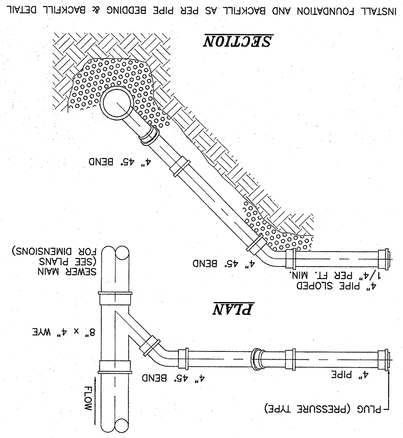
SEWER PIPE TYPE	FLEXIBLE JOINT TYPE IN & OUT	"A" DISTANCE (FEET)
PVC TRUSS	STD. ELASTOMERIC (GASKETED) PIPE JOINT ONLY	3' MAX.
PVC TRUSS	STD. SOLVENT WELDED PIPE JOINT ONLY	10' MAX.
PVC SDR 26	STD. SOLVENT WELDED PIPE JOINT ONLY	10' MAX.
PVC SDR 26	STD. ELASTOMERIC (GASKETED) PIPE JOINT ONLY	3' MAX.
PVC SDR 35	STD. ELASTOMERIC (GASKETED) PIPE JOINT ONLY	3' MAX.
PVC SDR 26	STD. SOLVENT WELDED PIPE JOINT ONLY	10' MAX.
PVC SDR 35	STD. SOLVENT WELDED PIPE JOINT ONLY	10' MAX.
ABS TRUSS	STD. ELASTOMERIC (GASKETED) PIPE JOINT ONLY	3' MAX.
VITRIFIED CLAY	STD. ELASTOMERIC (GASKETED) PIPE JOINT ONLY	3' MAX.
CAST IRON (EXTRA HEAVY) OR DUCTILE IRON	STD. ELASTOMERIC (GASKETED) PIPE JOINT ONLY	10' MAX.
CAST IRON	STD. SOLVENT WELDED PIPE JOINT ONLY	10' MAX.

NOTE:
1. BEFORE MANHOLE BENCH TO ACCOMODATE NEW FLOW AS APPROVED BY OCSD NO. 1
2. REPAIR TO PRECAST REINFORCED CONCRETE MANHOLE DETAIL FOR TYPICAL DETAILS.
(*) FLEXIBLE RUBBER BOOT SEAL SHALL BE MANUFACTURED TO INSTALL SHOWN FASTENERS.

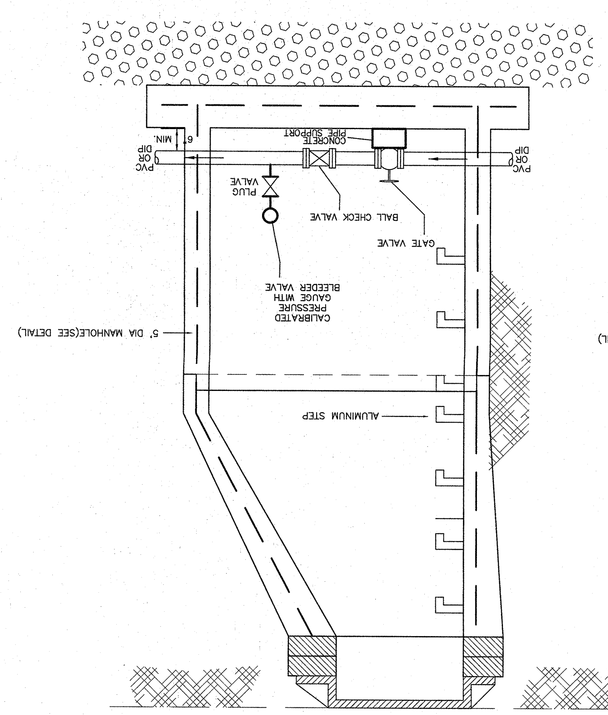
CORED HOLE FLEXIBLE PIPE-TO-M.H.-JOINT
NOT FOR OHANGE COUNTY REALTY N.T.S.



INSTALL FOUNDATION AND BACKFILL AS PER BEDDING & BACKFILL DETAIL
SANITARY SEWER LATERAL DETAIL
N.T.S.

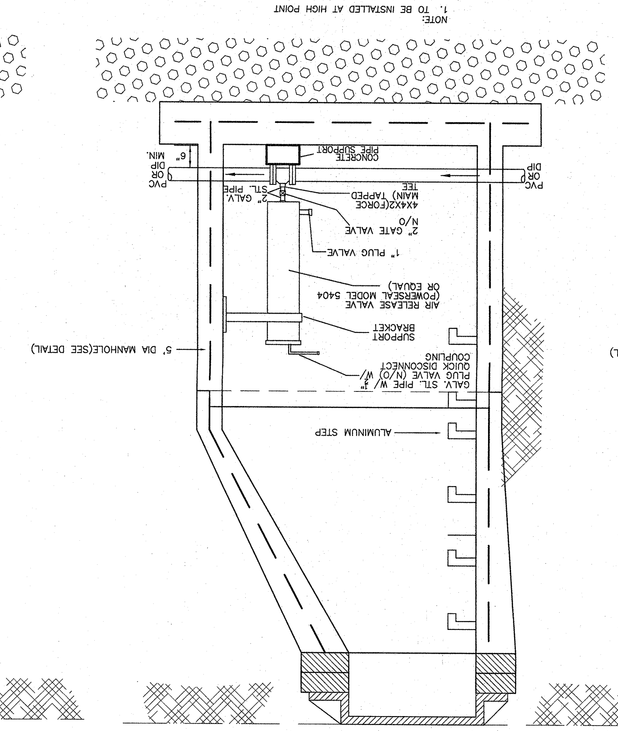


SHUT-OFF & CHECK VALVE MANHOLE
(NOT FOR OHANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) N.T.S.

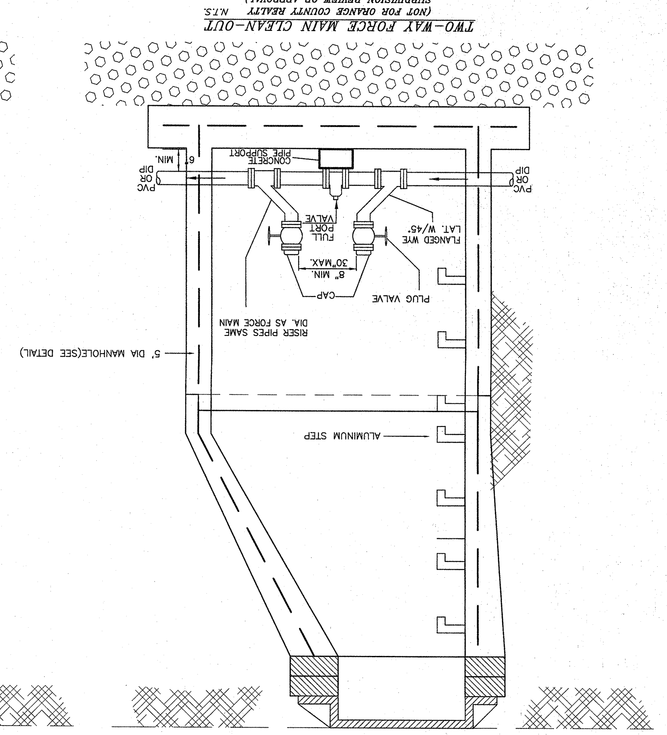


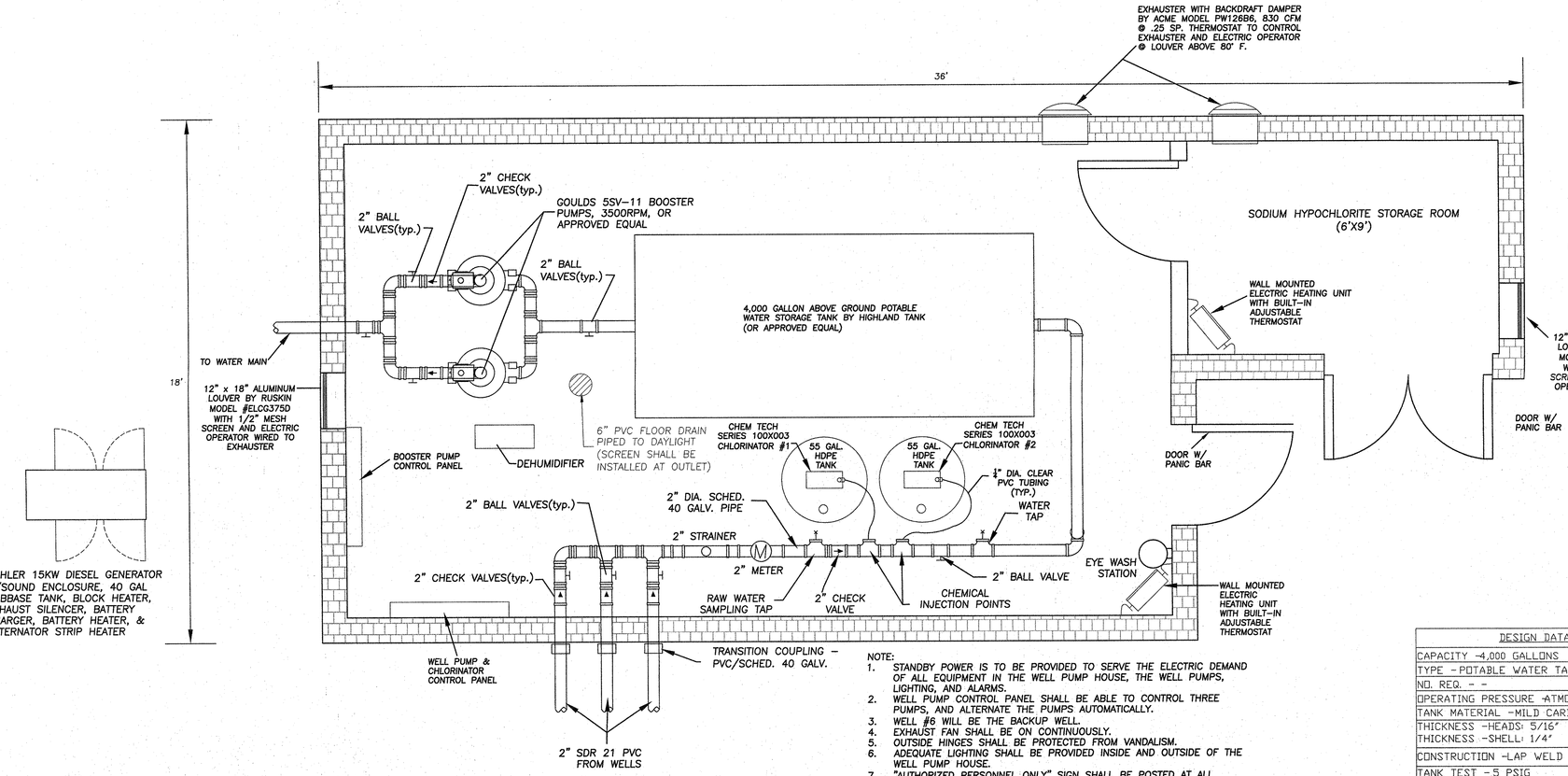
SEWER FORCE MAIN AUTOMATIC AIR RELEASE VALVE
(NOT FOR OHANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) N.T.S.

NOTE:
1. TO BE INSTALLED AT HIGH POINT



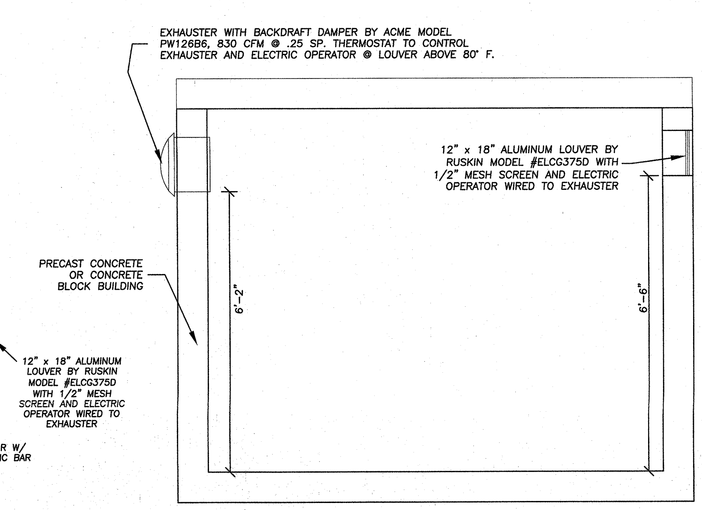
TWO-WAY FORCE MAIN CLEAN-OUT
(NOT FOR OHANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) N.T.S.



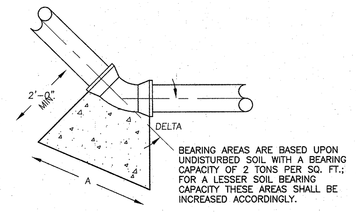


NOTE:
1. STANDBY POWER IS TO BE PROVIDED TO SERVE THE ELECTRIC DEMAND OF ALL EQUIPMENT IN THE WELL PUMP HOUSE, THE WELL PUMPS, LIGHTING, AND ALARMS.
2. WELL PUMP CONTROL PANEL SHALL BE ABLE TO CONTROL THREE PUMPS, AND ALTERNATE THE PUMPS AUTOMATICALLY.
3. WELL #6 WILL BE THE BACKUP WELL.
4. EXHAUST FAN SHALL BE ON CONTINUOUSLY.
5. OUTSIDE HINGES SHALL BE PROTECTED FROM VANDALISM.
6. ADEQUATE LIGHTING SHALL BE PROVIDED INSIDE AND OUTSIDE OF THE WELL PUMP HOUSE.
7. "AUTHORIZED PERSONNEL ONLY" SIGN SHALL BE POSTED AT ALL ENTRANCES.
8. THE EYEWASH STATION WILL BE GUARDIAN #G1750P WALL MOUNT EYEWASH STATION.

WELL PUMP HOUSE DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)
N.T.S.



WELL PUMPHOUSE VENT ELEVATION DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) *N.T.S.*

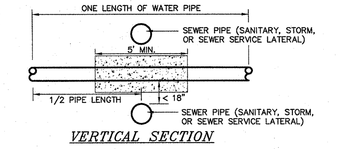


PIPE DIAMETER (INCHES)	DELTA UP TO 22-1/2°	DELTA 22-1/2° TO 45°	DELTA 45° TO 90°
	"A" SQ. FT.	"A" SQ. FT.	"A" SQ. FT.
4-6	0.5	0.9	1.9
8	0.8	1.6	2.8
10	1.3	2.5	4.4
12	1.8	3.8	5.3

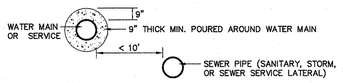
RESTRAINED JOINTS SHALL BE USED IN COMBINATION WITH THRUST BLOCKS THE FOLLOWING TABLE SHALL APPLY, WHERE "L" EQUALS THE LENGTH AT EACH SIDE OF THE BEND TO BE RESTRAINED.

PIPE DIAMETER (INCHES)	DELTA UP TO 22-1/2°	DELTA 22-1/2° TO 45°	DELTA 45° TO 90°
	"L" FEET	"L" FEET	"L" FEET
4-6	3.1	5.4	9.1
8	4.0	7.0	11.8
10	4.7	8.4	14.3
12	5.5	9.8	16.8

THRUST BLOCK DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)
N.T.S.



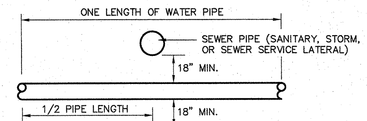
VERTICAL SECTION



HORIZONTAL SECTION

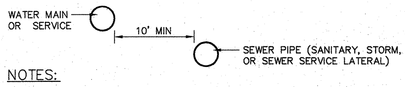
NOTES:
1. ENCASEMENT IS NOT PROPOSED AND SHALL NOT BE ROUTINELY USED. IF MINIMUM SEPARATIONS CANNOT BE MET, THE USE OF ENCASEMENT MUST BE REVIEWED BY THE ORANGE COUNTY HEALTH DEPARTMENT ON A CASE BY CASE BASIS.

CONCRETE ENCASEMENT DETAIL
(IF REQUIRED) *N.T.S.*



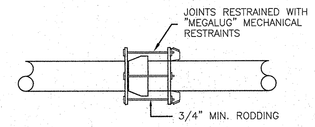
NOTES:
1. POSITION MIDPOINTS OF SEWER & WATER PIPE LENGTHS AT THE POINT OF CROSSING
2. SEPARATIONS APPLY TO WATER SERVICE LINES AS WELL AS WATER MAINS

VERTICAL SEPARATION DETAIL
N.T.S.



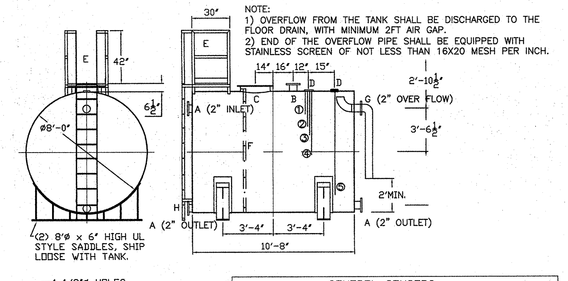
NOTES:
1. ANY DEVIATION FROM THE MINIMUM HORIZONTAL & VERTICAL SEPERATION DISTANCES MUST SPECIFICALLY BE APPROVED BY ENGINEER
2. SEPARATIONS APPLY TO WATER SERVICE LINES AS WELL AS WATER MAINS
3. WHERE IT IS IMPOSSIBLE TO MAINTAIN THE REQUIRED 10' SERARATION THE SEWER SHALL BE CONSTRUCTED OF MECHANICAL JOINT D.I. PIPE, PRESSURE TESTED TO 150 psi PRIOR TO BACKFILLING.

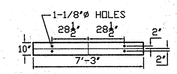
HORIZONTAL SEPARATION DETAIL
N.T.S.



MECHANICAL JOINT RESTRAINT DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) *N.T.S.*

WATER MAIN RESTRAINT NOTES:
1. ALL FITTINGS, I.E., BENDS, ELBOW, TEES, VALVES, ETC., SHALL HAVE MINIMUM OF TWO FORMS OF RESTRAINTS. SUCH FORMS OF RESTRAINT MAY BE MECHANICAL JOINT RESTRAINT, TIE RODDING, OR THRUST BLOCKING.
2. JOINTS ASSOCIATED WITH HYDRANTS SHALL HAVE THREE FORMS OF RESTRAINT.
3. SECTIONS OF STRAIGHT PIPE, ONE PIPE LENGTH BEYOND THE MINIMUM REQUIRED RESTRAINED LENGTH OF PIPE, DO NOT REQUIRE ANY FORM OF PIPE RESTRAINT.





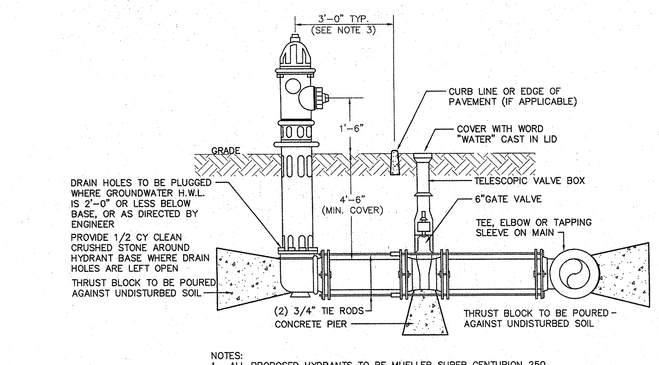
DESIGN DATA
CAPACITY -4,000 GALLONS
TYPE -POTABLE WATER TANK (PWT)
NO. REQ. - -
OPERATING PRESSURE -ATMOSPHERIC
TANK MATERIAL -MILD CARBON STEEL
THICKNESS -HEADS- 5/16" THICKNESS -SHELL- 1/4"
CONSTRUCTION -LAP WELD INSIDE AND OUTSIDE
TANK TEST - 5 PSIG
INT. FINISH -SP10 BLAST HighDRO®-LINER PLUS FOR NSF 61 APPLICATIONS
EXT. FINISH -SSPC SP6 BLAST, WHITE URETHANE PAINT
LABEL -NONE

LEGEND	
A	FLANGE - SUPPLY
B	FLANGE - VENT
C	24" X ¼" PLATE TIGHT BOLT MANWAY WITH ⅛" THICK NEO-CORK GASKET
D	4" FNPT CONNECTION
E	STD HTM EXTERNAL LADDER & PLATFORM ASSEMBLY - PAINTED SAFETY YELLOW AND SHIPPED LOOSE FOR INSTALLATION ON SITE BY OTHERS
F	HTM STD INTERNAL LADDER
G	FLANGE WITH INTERNAL 90° ELBOW SHOWN - OVERFLOW
H	(8-3"x 1/4"x3" WITH 5/8"ø HOLE ON CL (GROUNDING LUG)

4000 GALLON WATER TANK DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) *N.T.S.*

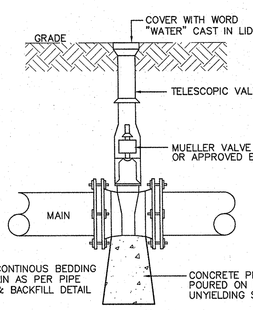
CONTROL SENSORS	
1	PUMP OFF - 12" LONG
2	LEAD PUMP ON - 24" LONG
3	LAG PUMP ON - 30" LONG
4	LOW LEVEL ALARM - 54" LONG
5	BOOSTER PUMP LOW LEVEL CUTOFF - 78" LONG

NOTE: THE SENSORS TO BE STAINLESS STEEL ROD SENSORS, OR APPROVED EQUAL.



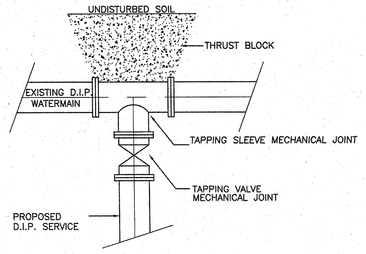
NOTES:
1. ALL PROPOSED HYDRANTS TO BE MUELLER SUPER CENTURION 250 WITH "AQUA-GRIP" MECHANICAL JOINTS.
2. ALL PROPOSED HYDRANTS SHALL BE INSTALLED WITH 5" MODEL No. 6600 STRAIGHT PATTERN STORZ CONNECTIONS.
3. CONFIRM HYDRANT LOCATION IN FIELD WITH THE HIGHWAY SUPERINTENDENT PRIOR TO INSTALLATION.

HYDRANT DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)
N.T.S.



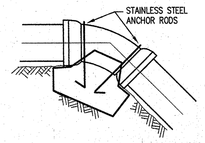
NOTE:
PROVIDE CONTINOUS BEDDING UNDER MAIN AS PER PIPE BEDDING & BACKFILL DETAIL

IN-LINE WATER VALVE DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) *N.T.S.*



NOTE:
1. TAPPING SLEEVE AND VALVE TO BE CAST IRON UNLESS THE EXISTING WATER MAIN IS TRANSITE. IF EXISTING WATER MAIN IS TRANSITE, THE TAPPING SLEEVE SHALL BE STAINLESS STEEL AND THE VALVE SHALL BE CAST IRON.
2. SEE PLAN FOR EXISTING AND PROPOSED WATER MAIN SIZES.

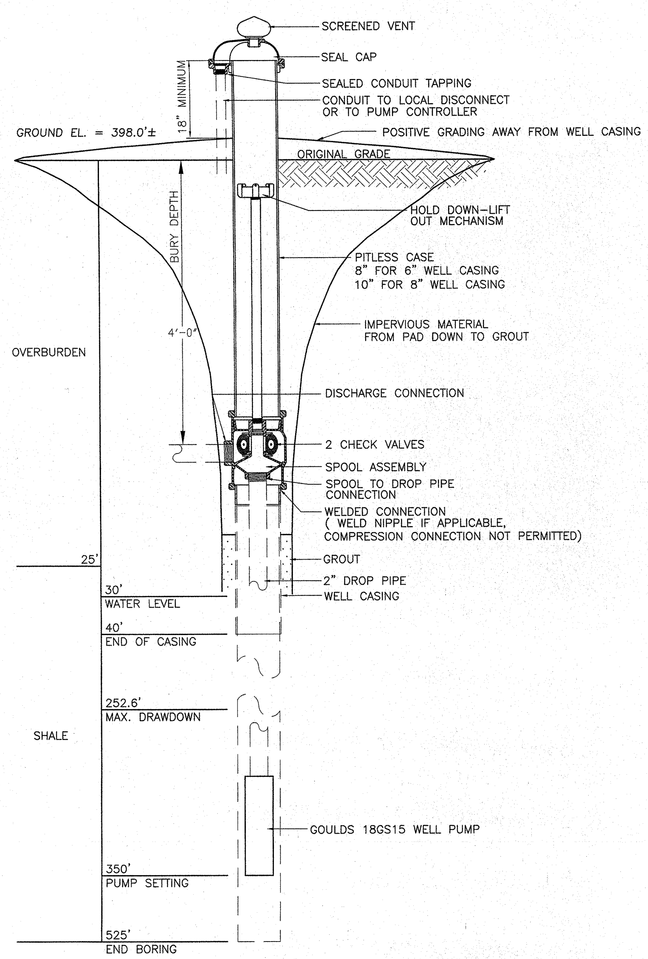
WATERMAIN CONNECTION DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) *N.T.S.*



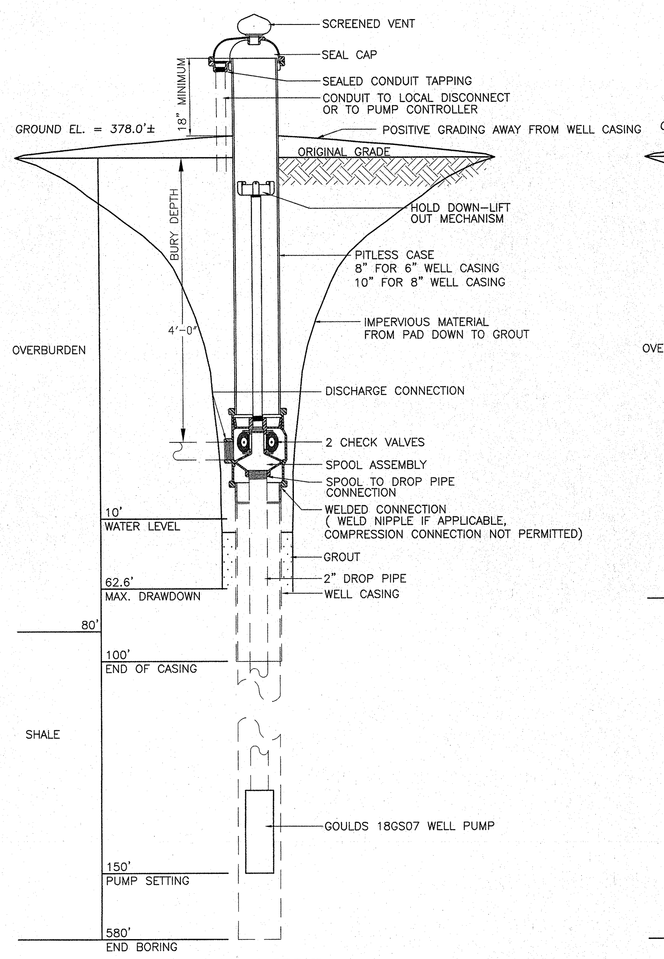
ANCHOR ROD SCHEDULE FOR GRAVITY BLOCKS		
PIPE SIZE	RODS	MIN. EMBEDMENT LENGTH
8 NPS	2 - (4)	6"

NUMBERS IN PARENTHESIS ARE BAR SIZES MARKED IN EIGHTHS OF INCHES

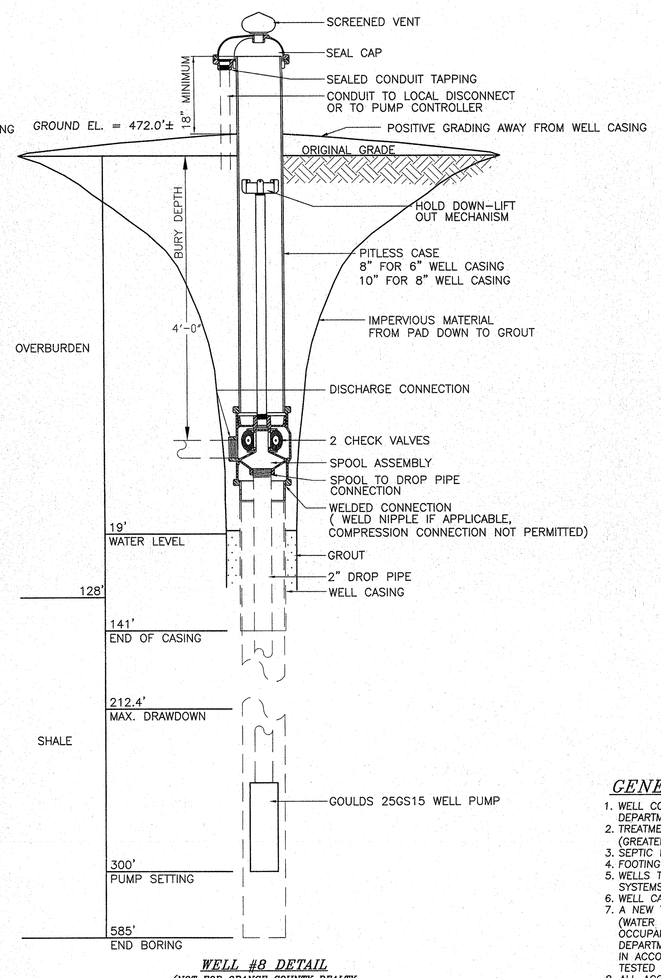
VERTICAL BEND GRAVITY BLOCK
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) *N.T.S.*



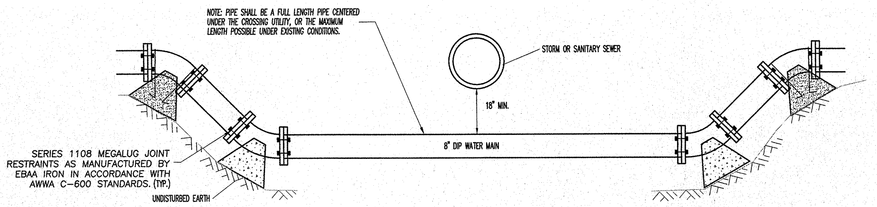
WELL #5 DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)
N.T.S.



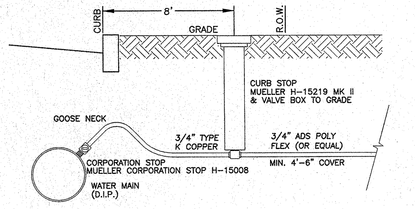
WELL #6 DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)
N.T.S.



WELL #8 DETAIL
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)
N.T.S.



UTILITY CROSSING – VERTICAL OBSTRUCTION
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL) *N.T.S.*



NOTE:
1. TRACER WIRE SHALL BE INSTALLED ALONG ADS PIPE. TRACER WIRE SHALL BE MEANT FOR UNDERGROUND INSTALLATIONS AND CORROSION RESISTANT. THINN WIRE SHALL NOT BE USED.

SERVICE CONNECTION DETAIL
N.T.S.

GENERAL NOTES – WATER SYSTEMS

1. WELL CONSTRUCTION SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE N.Y.S. HEALTH DEPARTMENT STANDARDS.
2. TREATMENT FOR HARDNESS SHOULD BE CONSIDERED ONLY IF EXCESSIVE HARDNESS IS FOUND (GREATER THAN 150 MG/L) IN EACH INDIVIDUAL WELL.
3. SEPTIC FIELDS AND WELLS ARE NOT TO BE RELOCATED.
4. FOOTING DRAINS WITHIN 25 FEET OF A WELL MUST BE WATERTIGHT.
5. WELLS TO BE INSTALLED 100 FEET FROM ANY SEPTIC SYSTEM, AND 200 FEET FROM SEPTIC SYSTEMS WHICH ARE UPHILL FROM THE WELL.
6. WELL CASING IS TO BE INSTALLED 10 FEET INTO IMPERVIOUS BEDROCK.
7. A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY AND ANY WATER TREATMENT) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCY OF THE HOUSE, THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY HEALTH DEPARTMENT AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES ARE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC JOINTS ARE SEALED AND TESTED FOR WATER TIGHTNESS.
8. ALL ACCESS POINTS TO THE DISTRIBUTION SYSTEM, I.E. VALVE PITS, MANHOLES, BACKFLOW PREVENTERS, ETC., SHALL BE LOCKED.
9. HEAVILY CHLORINATED WATER USED FOR THE DISINFECTION OF WATER SUPPLY COMPONENTS SHALL BE DISPOSED OF AS PER THE GUIDELINES SET FORTH BY THE NYSDEC.

RESERVED FOR HEALTH DEPARTMENT APPROVAL

ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
By direction of the State Commissioner of Health these plans are hereby approved pursuant to the Public Health Law. See first sheet for date and signature.

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. _ OF _.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.
DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _.

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (KGM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (KGM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER VOLUME BALANCE	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RBDDCK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
05-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-01-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
09-06-06	PER STANTEC & AKRF COMMENTS-8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS-5/18/06	KW
04-06-06	REV. PER DH & AKRF COMMENTS-2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

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

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
292 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(845) 294-0606
2 HAMILTON AVENUE
MONTICELLO, NEW YORK 12701
(845) 796-6646
JOSEPH J. PFAU P.E.
LICENSE NO. 065326
MICHAEL F. CORRIGAN P.L.S.
LICENSE NO. 050323
JOSEPH J. PFAU P.E., P.L.S. LICENSED
MICHAEL F. CORRIGAN, P.L.S. LICENSE NO. 050075
P.E. LICENSE NO. 065326
SIGNATURE & DATE 10-19-16

THE HERITAGE
SECTION 1

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
PROJECT TITLE

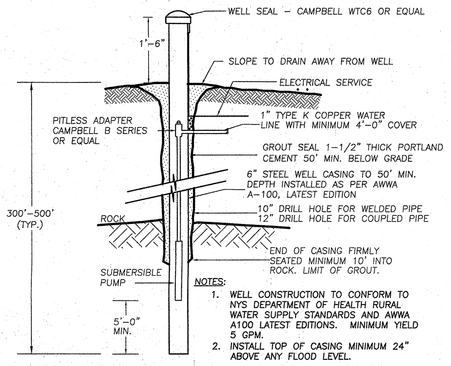
WATER DETAILS

SECTION 8 BLOCK 1 LOT 9.22 &
SECTION 11 BLOCK 1 LOT 98.62
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.	D.E.C. SHEET NO.	DRAWING NUMBER
10 OF 11	N/A OF -	29 OF 30

SCALE	CAD REFERENCE	PROJECT NUMBER
N.T.S.	24123 ENG BASE DETAIL	24123.01

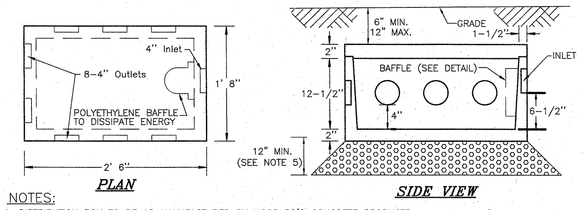


NOTES:
1. WELL CONSTRUCTION TO CONFORM TO NYS DEPARTMENT OF HEALTH RURAL WATER SUPPLY STANDARDS AND AWWA A100 LATEST EDITIONS. MINIMUM YIELD 5 GPM.
2. INSTALL TOP OF CASING MINIMUM 24" ABOVE ANY FLOOD LEVEL.

RESIDENTIAL WELL DETAIL
N.T.S.

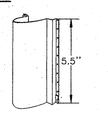
GENERAL NOTES – RESIDENTIAL WATER WELL

1. WELL SITE MUST BE READILY ACCESSIBLE TO WELL DRILLING RIG AT TIME OF INITIAL CONSTRUCTION AND FOR SUBSEQUENT MAINTENANCE AND REPAIRS. CONSIDERATION MUST BE GIVEN TO TOPOGRAPHY, WETLANDS AND PROPOSED STRUCTURES DURING THE SITING PROCESS.
2. WELLS SHOULD BE LOCATED AT LEAST 50' FROM THE SUBDIVISION BOUNDARY.
3. EXPECTED STABILIZED WELL YIELDS SHALL BE DETERMINED AS DESCRIBED IN NYSDOH APPENDIX 5-B OF SUBPART 5-1, NYS SANITARY CODE. WELLS TO BE CONSTRUCTED AND TESTED SHALL BE SPECIFIED BY THE OCDOH.
4. PROPOSED WELLS HAVING AN EXPECTED STABILIZED YIELD OF 5 GPM (MIN.) SHOULD BE PROVIDED FOR EACH LOT.
5. ALL LOTS MUST HAVE A RELIABLE SUPPLY OF 2 GPM OF WATER MINIMUM.
6. TREATMENT FOR HARDNESS SHOULD BE CONSIDERED ONLY IF EXCESSIVE HARDNESS IS FOUND (GREATER THAN 150 MG/L) IN EACH INDIVIDUAL WELL.
7. SEPTIC FIELDS AND WELLS ARE NOT TO BE RELOCATED.
8. FOOTING DRAINS WITHIN 25 FEET OF A WELL BUST BE WATERTIGHT.
9. WELLS TO BE INSTALLED 100 FEET FROM ANY SEPTIC SYSTEM, AND 200 FEET FROM SEPTIC SYSTEMS WHICH ARE UPHILL FROM THE WELL.
10. WELL CASING IS TO BE INSTALLED 10 FEET INTO IMPERVIOUS BEDROCK.
11. A NYS LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY AND ANY WATER TREATMENT) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCY OF THE HOUSE, THE ENGINEER SHALL CERTIFY TO THE OCDOH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES ARE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC JOINTS ARE SEALED AND TESTED FOR WATERTIGHTNESS.
12. NYS SANITARY CODE, PART 5, APPENDIX 5-B REQUIRES A 50% INCREASE IN SEPARATION DISTANCES OR WELL CASING GROUTED TO 50' BELOW GRADE IF AQUIFER WATER EXISTS LESS THAN 50' BELOW GRADE.



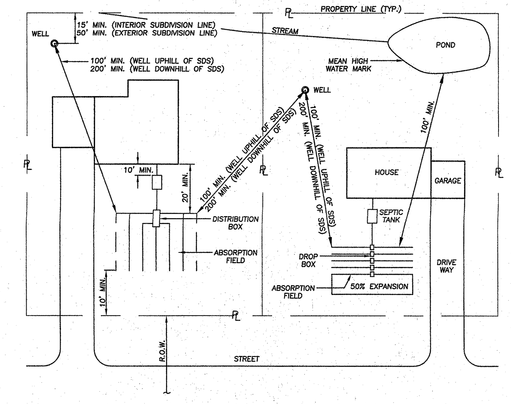
PLAN — SIDE VIEW

NOTES:
1. DISTRIBUTION BOX TO BE AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL NO. DB-9 OR APPROVED EQUAL.
2. CONCRETE TO TEST 4000 PSI AT 28 DAYS.
3. ALL OUTLETS NOT USED SHALL REMAIN PLUGGED.
4. BOX TO BE INSTALLED WITH A MIN. 6" AND MAX. 12" EARTH COVER.
5. BOX TO BE INSTALLED ON 12" MIN OF SAND, PEA GRAVEL, OR TRENCH AGGREGATE
6. THE FIRST 10' OF ALL PIPE LEAVING DISTRIBUTION BOX SHALL BE LAID AT EQUAL SLOPES
7. PIPE JOINTS TO BE SEALED WITH POLYLOK SEAL OR EQUAL
8. INVERT ELEVATIONS OF ALL OUTLET PIPES TO BE EQUAL
9. THE USE OF FLOW EQUALIZERS/LEVELERS IS REQUIRED.
10. DISTRIBUTION BOX OUTLETS MUST BE USED IN A MANNER THAT WILL ALLOW ACCESS FOR THE EXPANSION AREA WITHOUT DISTURBING THE EXISTING PIPING.
11. POLYETHYLENE BAFFLE TO BE INSTALLED WITHIN THE DISTRIBUTION BOX PER MANUFACTURERS REQUIREMENTS.
12. DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.

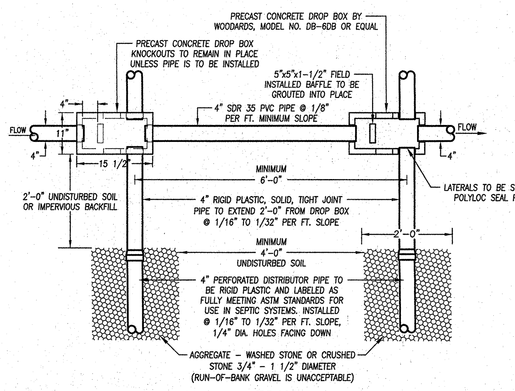


BAFFLE

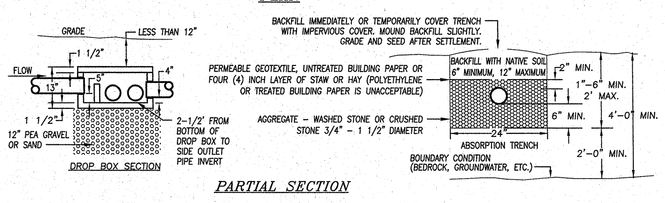
8-OUTLET DISTRIBUTION BOX DETAIL
N.T.S.



TYPICAL SEPARATION DISTANCE REQUIREMENTS
N.T.S.



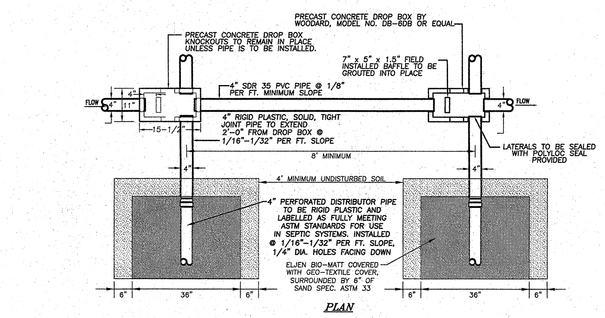
PLAN



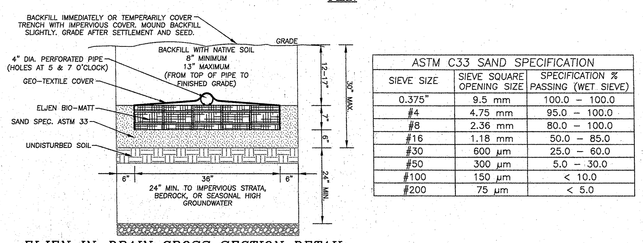
PARTIAL SECTION

NOTES:
1. ABSORPTION FIELDS SHALL NOT BE BUILT UNDER DRIVEWAYS, PARTS OF BUILDINGS OR UNDER ABOVEGROUND POOLS OR OTHER AREAS SUBJECT TO HEAVY LOADINGS.
2. THE AGGREGATE SHALL BE COVERED WITH A PERMEABLE GEOTEXTILE, UNTREATED BUILDING PAPER OR A FOUR INCH LAYER OF HAY OR STRAW, PRIOR TO BACKFILLING.
3. TRENCHES SHALL NOT BE CONSTRUCTED IN WET SOIL.
4. SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED IMMEDIATELY PRIOR TO PLACING GRAVEL.
5. THE END OF ALL DISTRIBUTOR PIPES SHALL BE PLUGGED.
6. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE FIELD EXCEPT FOR ACTUAL CONSTRUCTION OF THE FIELD. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE AREA OF THE PROPOSED FIELD, BEFORE AND AFTER CONSTRUCTION.
7. DISTRIBUTION LATERALS SHALL BE SLOPED AS 1/16"–1/32" PER FOOT.
8. DISTRIBUTION LATERALS FOR PUMPED SYSTEMS (IF ANY) SHALL HAVE PIPES SET NEARLY LEVEL.
9. ABSORPTION TRENCH BOTTOM TO BE SET LEVEL.
10. DISTRIBUTION LATERALS ARE TO BE SET WITH PERFORATIONS FACING DOWN

ABSORPTION TRENCH DETAIL
N.T.S. 04/30/08

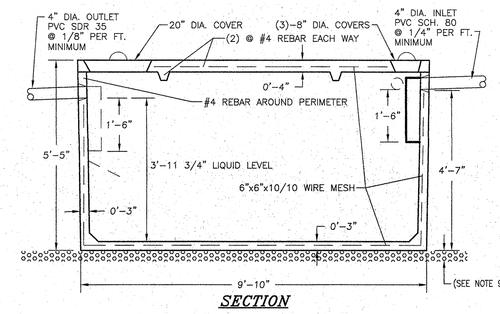


PLAN

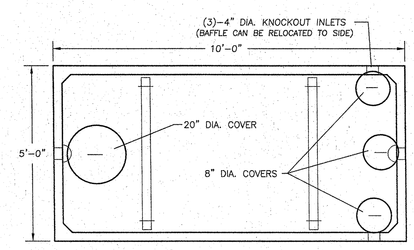


ASTM C33 SAND SPECIFICATION		
SIEVE SIZE	SIEVE SQUARE OPENING SIZE	SPECIFICATION % PASSING (WET SIEVE)
0.375"	9.5 mm	100.0 – 100.0
#4	4.75 mm	95.0 – 100.0
#8	2.36 mm	80.0 – 100.0
#16	1.18 mm	50.0 – 85.0
#30	600 µm	25.0 – 60.0
#50	300 µm	5.0 – 30.0
#100	150 µm	< 10.0
#200	75 µm	< 5.0

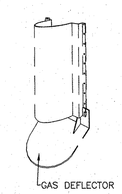
ELJEN IN-DRAIN CROSS SECTION DETAIL
N.T.S.



SECTION



PLAN



BAFFLE
(DEFLECTOR ON OUTLET ONLY)

NOTES:
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 STAKE TO BE SET IN GROUND DIRECTLY ABOVE THE INLET END COVER.
4. SEPTIC TANK TO BE COVERED WITH EARTH TO A MINIMUM DEPTH OF 6" AND A MAXIMUM DEPTH OF 12".
5. PRECAST CONCRETE TO REACH 4000 PSI STRENGTH @ 28 DAYS.
6. TANK CONSTRUCTION JOINTS TO BE SEALED WITH BUTYL RUBBER BASE CEMENT.
7. INLET INVERT TO BE 3" HIGHER THAN OUTLET INVERT.
8. INLET AND OUTLET JOINTS TO BE SEALED WITH PORTLAND CEMENT GROUT.
9. PRECAST CONCRETE SEPTIC TANK TO BE AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL ST1250 OR EQUAL.
10. 3" MINIMUM OF SAND, PEA GRAVEL OR TRENCH AGGREGATE FOR BEDDING.
11. SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2–3 YEARS.

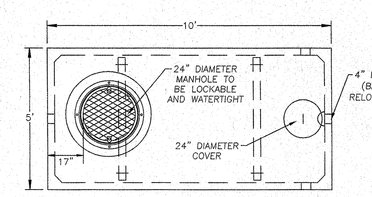
1,250 GALLON SEPTIC TANK DETAIL
N.T.S.

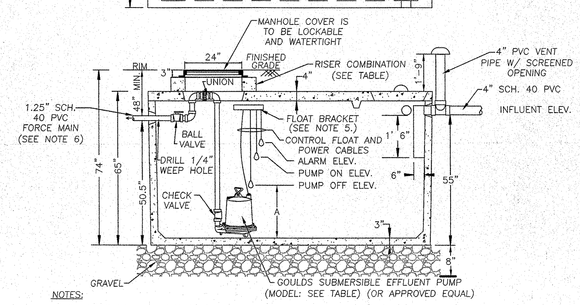
GENERAL NOTES – SEWAGE SYSTEMS

1. 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.
2. 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 MANUFACTURERS INSTRUCTIONS.
3. SEPTIC FIELDS AND WELLS SHALL NOT BE RELOCATED.
4. ALL PERCOLATION TESTS TAKEN AT 24" – 30" UNLESS OTHERWISE NOTED.
5. SEPTIC SYSTEM DESIGNS ARE BASED ON THE SLOWEST PERCOLATION RATE FOUND WITHIN THE AREA OF THE SYSTEM.
6. LAUNDRY WASTE IS TO BE DISCHARGED INTO THE SEPTIC SYSTEM.
7. 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 CLEAN–OUT SHALL BE INSTALLED.
8. THE MAXIMUM LENGTH OF ABSORPTION LINES USED IN CONJUNCTION WITH GRAVITY DISTRIBUTION SHALL BE 60 FEET.
9. THE MAXIMUM LENGTH OF ABSORPTION LINES USED IN CONJUNCTION WITH PRESSURE DISTRIBUTION OR DOSING SHALL BE 100 FEET.
10. FOOTING DRAINS ARE NOT TO DISCHARGE INTO THE SEPTIC SYSTEM. FOOTING DRAINS ARE TO RUN TO DAYLIGHT WITH RODENT SCREEN.
11. UNLESS OTHERWISE INDICATED ON THESE PLANS, INDIVIDUAL SEPTIC TANKS ARE NOT DESIGNED TO ACCOMADATE GARBAGE GRINDERS.
12. TRENCHES SHALL NOT BE CONSTRUCTED IN WET SOILS.
13. SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED IMMEDIATELY PRIOR TO PLACING GRAVEL.
14. THE END OF ALL DISTRIBUTOR PIPES SHALL BE PLUGGED.
15. 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 ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION WHICH COULD RESULT IN A CHANGE IN THE ABSORPTION CAPACITY OF THE SOIL, ON WHICH THE DESIGN IS BASED.
16. THERE IS NO REGRADING ALLOWED IN THE AREA OF THE ABSORPTION FIELD
17. NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES WHICH MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THR ABSORPTION FIELD
18. THIS SYSTEM WAS NOT DESIGNED TO ACCOMODATE 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.

SOIL TEST RESULTS & SEPTIC SYSTEM DESIGN			
LOT #	WITNESSED DEEP TEST PIT RESULTS	PERC RATE	SEPTIC SYSTEM DESIGN
76	0"–4" TOPSOIL 4"–36" LIGHT BROWN MOTTLED DENSE PACKED CLAY LOAM WITH SOME LARGE SIZED ROCKS 36"–62" DARK BROWN SILT LOAM NO MOTTLING, NO BEDROCK, NO GROUNDWATER	WPT1: 12 MIN. DEPTH 24" PT1: 40 MIN. DEPTH 24" PT1: 49 MIN. DEPTH 24"	ELJEN SYSTEM DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 440 GAL/DAY) REQUIRED: 163 L.F. TOTAL PROVIDED: 192 L.F. TOTAL 6 LATS. @ 32', 192 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GAL.
77	0"–4" TOPSOIL 4"–40" LIGHT BROWN MOTTLED DENSE PACKED CLAY LOAM 40"–72" DARK BROWN SILT LOAM @ 32" MOTTLING NO BEDROCK, NO GROUNDWATER	WPT1: 45 MIN. DEPTH 24" PT1: 48 MIN. DEPTH 24" PT1: 37 MIN. DEPTH 24"	ELJEN SYSTEM DESIGNED FOR: 4 BEDROOM MAXIMUM (Q = 440 GAL/DAY) REQUIRED: 163 L.F. TOTAL PROVIDED: 192 L.F. TOTAL 6 LATS. @ 32', 192 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GAL.
78 REPLACEMENT AREA #1	0"–8" TOPSOIL 8"–48" LIGHT BROWN MOTTLED DENSE PACKED CLAY LOAM 48"–68" DARK BROWN SILT LOAM @ 36" MOTTLING NO BEDROCK, NO GROUNDWATER	WPT1: 3 MIN. DEPTH 24" PT1: 5 MIN. DEPTH 24" PT1: 9 MIN. DEPTH 24"	ELJEN SYSTEM DESIGNED FOR: 7 BEDROOM MAXIMUM (Q = 770 GAL/DAY) REQUIRED: 143 L.F. TOTAL PROVIDED: 176 L.F. TOTAL 4 LATS. @ 44', 176 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GAL.
78 REPLACEMENT AREA #2	0"–8" TOPSOIL 8"–36" LIGHT BROWN MOTTLED DENSE PACKED CLAY LOAM WITH SOME MEDIUM SIZED ROCKS 36"–60" DARK BROWN SILT LOAM @ 32" MOTTLING NO BEDROCK, NO GROUNDWATER	WPT1: 2 MIN. DEPTH 24" PT1: 8 MIN. DEPTH 24" PT1: 14 MIN. DEPTH 24"	ELJEN SYSTEM DESIGNED FOR: 7 BEDROOM MAXIMUM (Q = 770 GAL/DAY) REQUIRED: 160 L.F. TOTAL PROVIDED: 192 L.F. TOTAL 4 LATS. @ 48', 192 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GAL.

SOIL TESTING AND SEPTIC SYSTEM DESIGN NOTES:
1. PERCOLATION TESTS WERE PERFORMED BY PIETRZAK & PFAU, PLLC ON 5/07/15, 5/08/15.
2. PERCOLATION TESTS WERE PERFORMED AT A DEPTH OF 24" UNLESS NOTED OTHERWISE.
3. ONE PERCOLATION TEST AND ONE DEEP TEST FOR EACH SYSTEM WAS WITNESSED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH ON 7/23/15 AND 7/30/15.
4. SEPTIC SYSTEM DESIGN BASED ON 110 GALLONS PER BEDROOM PER DAY.
5. SEPTIC SYSTEM DESIGN FOR 4 BEDROOM MAXIMUM DWELLING UNLESS NOTED OTHERWISE.
6. SURFACE WATER DIVERSION SWALES ARE REQUIRED ON ALL LOTS.
7. IF NOT EQUIPPED, WATER SAVING FIXTURES FOR ALL PLUMBING/TOILETS/ETC. ARE TO BE INSTALLED WITH THE REPLACEMENT SEPTIC SYSTEM FOR LOT 78



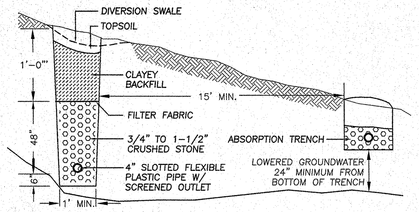


NOTES:
1. PUMP STATION CHAMBER TO BE PRECAST CONCRETE, AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC., MODEL NUMBER GT–1250 OR APPROVED EQUAL. CONCRETE AND REINFORCEMENT AS PER ASTM C478–85a.
2. ELECTRICAL EQUIPMENT IN WET WELLS OR IN ENCLOSED SPACES WHERE EXPLOSIVE GASES MAY ACCUMULATE SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE FOR CLASS, DIVISION 1, GROUP C OR D LOCATIONS. THERE SHALL BE NO ELECTRICAL SPLICES, JUNCTION BOXES, OR CONNECTIONS OF ANY NEC RATING IN A SEWER WET WELL.
3. HIGH WATER ALARM SYSTEM SENSOR SHALL BE INTERLOCKED WITH THE WELL PUMP SO THAT ADDITIONAL WATER CANNOT BE USED UNTIL HIGH WATER ALARM STATUS HAS BEEN REMOVED.
4. AUDIBLE HIGH WATER ALARM IS TO BE LOCATED WITHIN THE PROPOSED DWELLING.
5. FLOAT BRACKET IS TO CONNECT TO A 6x6x6 WATERTIGHT JUNCTION BOX THROUGH A WATERTIGHT SEAL IN PUMP CHAMBER TANK. A 1–1/4" CONDUIT IS TO RUN FROM THE JUNCTION BOX TO THE CONTROL IN THE BUILDING. SAID 6x6x6 WATERTIGHT JUNCTION BOX IS TO BE LOCATED OUTSIDE OF THE PUMP CHAMBER.
6. THE 1.25" SCH. 40 PVC FORCE MAIN MUST MAINTAIN A CONTINUOUS POSITIVE SLOPE TO THE DISTRIBUTION BOX.

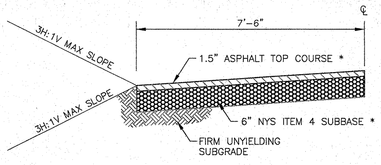
RESIDENTIAL PUMP CHAMBER TANK DETAIL
N.T.S.

PUMP STATION ELEVATION TABLE

LOT NUMBER	INFLUENT INVERT EL.	FORCEMAIN DIA.	PUMP TANK BASE ELEVATION	PUMP TANK TOP ELEVATION	RISER TOP ELEVATION	RISER COMBINATION	ALARM ELEVATION	PUMP ON ELEVATION	PUMP OFF ELEVATION	PUMP MODEL	A DIMENSION
1	457.4	1.25"	452.80	458.22	458.97	6" + 3"	454.63	454.38	454.0	GOULDS SUBMERSIBLE GRINDER PUMP MODEL 1GD WITH 5–5/8 IMPELLAR DIAMETER (OR APPROVED EQUAL)	12.00"
2	441.4	1.25"	436.80	442.22	442.97	6" + 3"	438.70	438.46	438.0	GOULDS SUBMERSIBLE GRINDER PUMP MODEL 1GD WITH 5–5/8 IMPELLAR DIAMETER (OR APPROVED EQUAL)	12.00"



CURTAIN DRAIN DETAIL (WHERE REQUIRED)
N.T.S.

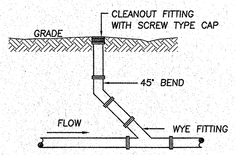


* NOTE: ALL THICKNESSES ARE MINIMUM

CROSS SECTION

NOTE:
1. DRIVEWAYS SHALL BE PAVED FROM THE EDGE OF THE TRAVEL LANE FOR 20 FEET WITH 12" OF ITEM 4 AND 2" ASPHALT TOP COURSE.
2. DRIVEWAY GRADE SHALL HAVE A SLOPE OF –2% FOR THE FIRST 25 FEET FROM THE EDGE OF THE EXISTING STREET PAVEMENT, AND THE MAXIMUM PERMITTED DRIVEWAY GRADE SHALL BE 10%.

DRIVEWAY ENTRANCE DETAIL (LOTS 76 & 77)
N.T.S.
(NOT FOR ORANGE COUNTY REALTY SUBDIVISION REVIEW OR APPROVAL)



NOTE:
DETAIL TO BE UTILIZED FOR ALL LOTS

CLEAN OUT DETAIL
N.T.S.

RESERVED FOR HEALTH DEPARTMENT APPROVAL

ORANGE COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
By direction of the State Commissioner of Health these plans are hereby approved pursuant to the Public Health Law. See first sheet for date and signature.

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. _ OF _.

RESERVED FOR TOWN PLANNING BOARD APPROVAL

FINAL APPROVAL GRANTED
TOWN OF GOSHEN
PLANNING BOARD
GOSHEN, N.Y.

DATE 10/27/16
CHAIRMAN

THIS SHEET IS INCOMPLETE AND INVALID WITHOUT EACH AND EVERY OTHER SHEET LISTED IN THE TITLE BOX UNDER THE HEADING DRAWING NO. _ OF _.

DATE	DESCRIPTION	INITIALS
10-19-16	REV SECTION 1 PLAN AS PER OCDOH	AT
09-16-16	SECTION 1 PREPARATION	AT
08-29-16	AS PER PB ENGINEER (KZM) COMMENTS	AT
07-05-16	AS PER PB ENGINEER (KZM) COMMENTS	AT
05-26-16	PER OCDOH COMMENTS	AT
03-22-16	AS PER CONDITIONS OF FINAL APPROVAL	AT
03-16-16	PER OCDOH COMMENTS	NR
02-26-16	AS PER PB ENGINEER	AT
05-19-15	PER OCDOH COMMENTS 04/15/2015	NR
03-23-15	PER OCDOH COMMENTS 07/16/2014	NR
11-20-14	PER RIDDICK COMMENTS	MP
06-05-14	FOR OCDOH REALTY SUBD. SUBMISSION	CR
06-02-14	PER NYSDOH COMMENTS	MP
01-24-14	PER OCDOH COMMENTS	MP
10-03-13	REMOVE WATER TANK, ADD OFFSITE WATERMAINS	MP
07-05-12	COMMENTS FROM NYSDEC 6/7/12	MP
06-13-12	COMMENTS FROM PLANNING BOARD ENG.	SB
05-31-12	COMMENTS FROM PLANNING BOARD ENG.	SB
02-01-12	REVISE METES AND BOUNDS	TBE
12-21-11	UPDATE SURVEY SHEETS	TBE
04-20-11	PER PLANNING BOARD COMMENTS	TBE
03-17-11	PER 3/11/11 WORKSHOP MEETING	TBE
03-10-11	PER 3/3/11 PLANNING BOARD MEETING	TBE
02-14-11	PER NYSDEC WETLANDS COMMENTS	TBE
01-19-11	PER WORKSHOP MEETING	TBE
12-08-10	REV. STORMWATER PONDS AND EROSION	TBE
11-24-10	REMOVE STP, REVISE WATER & SEWER	TBE
11-02-09	PER NYSDEC COMMENTS / LOT 78 LAYOUT	TBE
04-18-08	REVISED LOT LAYOUT	KW
05-01-07	PER STANTEC COMMENTS	KW
03-06-06	PER STANTEC & AKRF COMMENTS–8/03/06	KW
07-19-06	GENERAL REVISIONS	KW
05-26-06	PER STANTEC & AKRF COMMENTS–5/18/06	KW
04-04-06	REV. PER DH & AKRF COMMENTS–2/13/06	KW
11-14-05	ORIGINAL PREPARATION	KW

REVISIONS
MAP CHECK DATE: 00-