

	GENERAL NOTES:				
	1. SURVEY INFORMATION AND TOPOGRAPHY BASED UPON THE MAP ENTITLED "ALTA/ACSM SURVEY PROPERTY TAX LOT 45 SITUATE IN THE TOWN OF OSSINING, WESTCHESTER COUNTY, NEW YORK" PREPARED BY THOMAS C. MERRITTS LAND SURVEYORS, P.C. DATED (LAST REVISED) JANUARY 20, 2014.				
	2. THE WATERCOURSE SHOWN HEREON WAS CONFIRMED IN THE FIELD BY THE THE TOWN'S WETLAND CONSULTANT ON MAY 27, 2015. THE SURROUNDING WETLAND AREA WAS DEEMED TO BE NON-JURISTICTIONAL DUE TO IT'S SIZE.				
	3. ALL VEGETATION SHOWN ON THESE PLANS SHALL BE MAINTAINED IN A HEALTHY AND VIGOROUS GROWING CONDITION THROUGHOUT THE DURATION OF THE PROPOSED USE OF THE SITE. ANY VEGETATION NOT SO MAINTAINED SHALL BE REPLACE WITH NEW COMPARABLE VEGETATION AT THE BEGINNING OF THE NEXT GROWING SEASON.				
	4. ALL EXTERIOR LIGHTING SHOWN ON THESE PLANS SHALL BE SHIELDED AND/OR DIRECTED SO AS TO ELIMINATE ANY GLARE FROM BEING OBSERVABLE FROM ADJOINING STREETS AND PROPERTIES.				
	5. ALL UTILITY LINES ASSOCIATED WITH THIS PROJECT SHALL BE LOCATED UNDERGROUND.				
	6. SEE ARCHITECTURAL PLANS PREPARED BY DENNIS D. SMITH, AIA ARCHITECT FOR BUILDING INFORMATION.				
PIPE)	7. ALL EXISTING SITE FEATURES SHALL BE DEMOLISHED AND REMOVED OFF SITE IN A SAFE A LEGAL MANNER; UNLESS OTHERWISE NOTED.				
	8. THERE WILL BE NO SURFACE FLOWS FROM THE ARTIS DEVELOPMENT DISCHARGING TO THE OFFSITE WETLAND/WATERCOURSE TO THE WEST. IN ADDITION, EXISTING FLOWS FROM THE OFFSITE WETLAND/WATERCOURSE WILL NOT BE DIMINISHED AS A RESULT OF THE ARTIS DEVELOPMENT.				
	SOIL TESTING RESULTS :				
	TP-10" TO 8"TOPSOIL8" TO 24"SLIGHTLY COMPACTED RED SILTY LOAM24" TO 84"SLIGHTLY COMPACTED BROWN SAND W/ SILT				
	TP-2 0" TO 4"TOPSOIL4" TO 84"SLIGHTLY COMPACTED BROWN SAND W/ SILT WITH 8" COBBLES				
	TP-30" TO 4"TOPSOIL4" TO 48"SLIGHTLY COMPACTED BROWN SAND W/ SILT48"+WEATHERED BOULDERS, VERY COMPACT				
/ALL	TP-40" TO 6"TOPSOIL6" TO 36"SLIGHTLY COMPACTED BROWN SANDY LOAM36" TO 72"SLIGHTLY COMPACTED BROWN SAND72" +GROUNDWATER				
	PERCOLATION TEST #1 = 6 MIN/INCH PERCOLATION TEST #2 = 5 MIN/INCH PERCOLATION TEST #4 = 5 MIN/INCH				
	LEGEND				

RIM=351.8

	EXISTING 10' CONTOUR
— — — — 376— — — —	EXISTING 2' CONTOUR
× 375.94	EXISTING SPOT ELEVATION
370	PROPOSED 10' CONTOUR
376	PROPOSED 2' CONTOUR
+ [375]	PROPOSED SPOT GRADE
GS	PROPOSED FIRE SERVICE
FS	PROPOSED FIRE SERVICE
WS	PROPOSED WATER SERVICE
SS	PROPOSED SEWER SERVICE
RD	PROPOSED ROOF DRAIN
——————————————————————————————————————	PROPOSED FOOT DRAIN
	PROPOSED HDPE DRAIN PIPI
(S)	PROPOSED SEWER MANHOL
	PROPOSED DRAIN INLET/CA
	PROPOSED DRAINAGE MANI
٢	PROPOSED YARD DRAIN
	PROPOSED HEAD WALL
*	PROPOSED HYDRANT
GV ⊗	PROPOSED GATE VALVE
DT 2	DEEP TEST HOLE LOCATION
	PERCOLATION TEST HOLE L

D 2' CONTOUR D SPOT GRADE O FIRE SERVICE O FIRE SERVICE O WATER SERVICE **D SEWER SERVICE** OROOF DRAIN O FOOT DRAIN O HDPE DRAIN PIPE SEWER MANHOLE D DRAIN INLET/CATCH BASIN D DRAINAGE MANHOLE D YARD DRAIN HEAD WALL O HYDRANT D GATE VALVE Γ HOLE LOCATION TION TEST HOLE LOCATION



(GENERAL NOTES:	
1	. SURVEY INFORMATION AND TOPOGRAPHY BASED UPON THE MAP ENTITLED "ALTA/ACSM SURVEY PROPERTY TAX LOT 45 SITUATE IN THE TOWN OF OSSINING, WESTCHESTER COUNTY, NEW YORK" PREPARED BY THOMAS C. MERRITTS LAND SURVEYORS, P.C. DATED (LAST REVISED) JANUARY 20, 2014.	FOLLOWING THE REMOVAL OF 141
2	THE INTERMITTENT WATERCOURSE SHOWN HEREON WAS DELINEATED IN THE FIELD BY THE THE TOWN'S WETLAND CONSULTANT ON MAY 27, 2015. THE SURROUNDING WETLAND AREA WAS DEEMED BY THE TOWN'S WETLAND CONSULTANT TO BE NON-JURISTICTIONAL DUE TO IT'S SIZE.	KNOTWEED, THE REMAINING SOIL EXISTING BERM SHOULD ALSO BE WITH GLYPHOSATE TO KILL ANY R SEED STOCK / ROOT MASS. FINAL O
3	THERE WILL BE NO SURFACE FLOWS FROM THE ARTIS DEVELOPMENT DISCHARGING TO THE OFFSITE WETLAND/WATERCOURSE TO THE WEST. IN ADDITION, EXISTING FLOWS FROM THE OFFSITE WETLAND/WATERCOURSE WILL NOT BE DIMINISHED AS A RESULT OF THE ARTIS DEVELOPMENT.	PROPOSED 8' PERMANENT DEER FENCING TO SURROUND
		/ THE MITIGATION PLANTING AREA
(GENERAL PLANTING NOTES:	
1	. ULTIMATE SPACING AND LOCATION OF PROPOSED TREES / SHRUBS SHALL BE DETERMINED BY THE LANDSCAPE ARCHITECT IN THE FIELD FOLLOWING CONSTRUCTION OF BUILDING AND PARKING LOT.	(60) ED (60) LC
2	. LANDSCAPE ARCHITECT SHALL HAVE THE OPTION FOR PLANT SUBSTITUTION DEPENDING UPON ACTUAL SITE CONDITIONS ENCOUNTERED (i.e. BEDROCK DEPTH, SUN EXPOSURE/ ANGLE, ETC.)	(60) CL (45) PD
3	. RAISED PLANTING BEDS (i.e. BERMS) MAYBE REQUIRED FOR PLANTING AREAS WITH SHALLOW BEDROCK DEPTH.	
4	. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO STARTING WORK. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING PAVEMENTS, UTILITIES, STRUCTURES, ETC. TO REMAIN AND SHALL REPAIR AND/OR REPLACE ANY SUCH DAMAGE AT HIS EXPENSE.	(3) IV
5	. THE CONTRACTOR SHALL PROVIDE A 12" MINIMUM DEPTH OF TOPSOIL FOR ALL PLANTING BEDS.	IRON ROD SET
6	. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SCHEDULE PROVIDED WITHIN THIS SITE PLAN PACKAGE. A MINIMUM OF 50% OF PLANTS PROVIDED SHALL BE THE LARGER END OF THE SIZE RANGE.	
7	. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. ALL PLANTS SHALL HAVE NORMAL, WELL-DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS AND BE NURSERY-GROWN.	
8	 NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED BY THE DESIGN ENGINEER (IF APPLICABLE). COORDINATION BETWEEN DRAINAGE SYSTEMS AND PLANT LOCATIONS SHOULD TAKE PLACE WITH THE LANDSCAPE ARCHITECT/CONTRACTOR/DESIGN ENGINEER. 	
9	UNLESS SPECIFIED OTHERWISE BY THE LANDSCAPE ARCHITECT, ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.	(9) LB
1	0. ALL PLANTS SHALL BE BALLED AND WRAPPED AS SPECIFIED. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT THE TIME OF PLANTING.	
1	1. NO SUBSTITUTIONS FOR PLANT MATERIAL TYPE OR SIZE WILL BE ALLOWED UNLESS SUCH SUBSTITUTION HAS BEEN APPROVED BY THE LANDSCAPE ARCHITECT.	(3) JV
1	2. ALL PLANT MATERIAL SHALL CARRY A FULL GUARANTEE FOR A PERIOD OF FIVE YEARS FROM THE DATE OF ACCEPTANCE, TO INCLUDE PROMPT TREATMENT OR REMOVAL AND REPLACEMENT OF ANY PLANTS FOUND BY THE LANDSCAPE ARCHITECT TO BE IN AN UNHEALTHY CONDITION. ALL REPLACEMENTS SHALL BE OF THE SAME KIND AND SIZE OF PLANTS SPECIFIED IN THE PLANT UST	(1) BN
1	 THE DAY PRIOR TO PLANTING, THE LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY THE LANDSCAPE ARCHITECT. FOLLOWING PLANTING, ALL TREES AND SHRUBS ARE SUBJECT TO INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT. 	(8) HM
1	4. A MINIMUM OF FOUR (4) INCHES (DEPTH) OF PREMIUM STERILE BARK MULCH (CERTIFIED FREE OF WEED SEED) SHALL BE PLACED AROUND ROOT BALLS OF TREES, SHRUBS, GROUNDCOVER AND GRASSES. THE MULCH AREA SHALL BE AT LEAST TWO TIMES THE DIAMETER OF THE PLANT CONTAINER OR ROOT BALL. MULCH SHALL NOT CONTAIN ANY DYES.	1 Story
1	5. ALL PLANTS AND STAKES SHALL BE SET PLUMB UNLESS OTHERWISE SPECIFIED. CONTRACTOR SHALL REMOVE STAKES AFTER ONE FULL GROWING SEASON.	Concrete Building (3) CC
1	6. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND SHALL CONTINUE UNTIL ACCEPTANCE BY THE LANDSCAPE ARCHITECT. MAINTENANCE SHALL INCLUDE WATERING, MULCHING, TIGHTENING & REPLACING OF GUYS, REPLACEMENT OF SICK OR DEAD PLANTS, RESETTING PLANTS TO PROPER GRADE OR UPRIGHT (PLUMB) POSITION, RESTORATION OF SAUCERS, AND ALL OTHER CARE NEEDED FOR PROPER GROWTH OF THE PLANTS	(7) SP
1	 ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY DURING THE FIRST FULL GROWING SEASON, AND THEREAFTER AS NEEDED TO BEST ENSURE SURVIVAL. 	(5) IM
1	8. CONTRACTOR/OWNER SHALL MAKE PROVISIONS TO PROTECT ALL PLANTS FROM DEER BROWSE WITH ONE OR MORE OF THE FOLLOWING: FENCING NETTING. SPRAY REPELLENT.	9
1	9. ALL EXISTING TREES / SHRUBS SHALL BE INSPECTED FOR VINES. ALL VINES SHALL BE CUT AND, WHERE PRACTICABLE, REMOVED FROM THE TREE / SHRUB.	(7) SP
	INVASIVE SPECIES REMOVAL/MANAGEMENT PROGRAM	
	FIELD WITH THE TOWN'S WETLAND CONSULTANT TO DETERMINE THE EXTENT OF THE AREAS TO BE RESTORED. ONCE THE BOUNDARY OF THE RESTORATION AREAS IS ESTABLISHED, THE PERIMETER SHALL BE STAKED AND SILT FENCE ERECTED TO PREVENT ANY SEDIMENT FROM BEING TRANSPORTED DOWNGRADE DURING THE RESTORATION PERIOD.	phalt Parking
	JAPANESE BARBERRY AND MULTI-FLORA ROSE CAN BE REMOVED DURING ANY SEASON WITH A HOE OR WEED WRENCH AND SHOULD BE REMOVED BY HAND-LABOR. IT IS IMPORTANT TO REMOVE ALL OF THE ROOT	AS
	SYSTEM TO PREVENT RESPROUTING FROM REMAINING ROOT SEGMENTS. JAPANESE STILTGRASS SHOULD BE REMOVED BY HAND-LABOR AND SHOULD BE REMOVED IN MID- TO LATE SUMMER WHEN PLANTS ARE MUCH TALLER AND MORE BRANCHED. AT THIS STAGE, THE STILIGRASS CAN BE PULLED FIRMLY FROM THE BASAL PORTION AND REMOVED WHOLLY. IT SHOULD BE NOTED THAT THE PULLED STILTGRASS PLANTS SHOULD BE BAGGED AND DISPOSED OF OFF-SITE IF THEY ARE IN THEIR FRUITING STAGE TO PREVENT SEED DISPERSAL. IF THEY ARE NOT IN THE FRUITING STAGE, PULLED PLANTS CAN BE STOCKPILED OR DISPERSED AND ALLOWED	(8) SP
	TO DEHYDRATE.	(5) IM
	THE ONLY EFFECTIVE METHOD FOR THE REMOVAL OF JAPANESE KNOTWEED IS BY MANUAL REMOVAL OF THE PLANT AND ASSOCIATED ROOT SYSTEM, FOLLOWED BY HERBICIDE (GLYPHOSATE) APPLICATION. THE HERBICIDE IS INJECTED DIRECTLY INTO THE KNOTWEED CANES. IF THIS METHOD IS EMPLOYED, IT IS RECOMMENDED THAT THE INJECTIONS TAKE PLACE IN LATE SUMMER OR EARLY FALL WHEN THE KNOTWEED	Overhead Wijes

APPROVAL TO USE THE HERBICIDE METHOD WILL BE REQUIRED FORM THE TOWN'S WETLAND CONSULTANT PRIOR TO COMMENCEMENT.

IRON ROD-

SET

CANES ARE A MINIMUM OF 1/2" IN WIDTH BETWEEN THE FIRST AND SECOND NODES (FROM THE BOTTOM).

MONITORING AND MAINTENANCE EFFORTS FOR THE INVASIVE SPECIES REMOVAL/MANAGEMENT PROGRAM WILL BE CONDUCTED OVER A FIVE (5) YEAR PERIOD. MAINTENANCE OF THE WETLAND MITIGATION AREA INCLUDES THE UTILIZATION OF AN IRRIGATION METHOD THROUGHOUT THE FIVE (5) YEAR MONITORING PERIOD. THE MITIGATION AREAS SHALL BE MONITORED FOR THE INTRODUCTION OF INVASIVE SPECIES ON A MONTHLY BASIS. UPON VISUAL OBSERVATION OF RE-EMERGENCE OF INVASIVE SPECIES WITHIN THE AREA, SAID SPECIES SHALL BE REMOVED MANUALLY IN ACCORDANCE WITH THE PLAN OR TREATED WITH HERBICIDE APPLICATION, IF APPROVED BY THE TOWN'S WETLAND CONSULTANT.

ANY EXISTING NATIVE PLANTINGS WITHIN THE PROPOSED MITIGATION AREA (I.E. SPICEBUSH) SHALL BE PRESERVED, IF POSSIBLE, AND INTEGRATED INTO THE MITIGATION PLANTING AREA AS ORDERED BY THE LANDSCAPE ARCHITECT AND TOWN'S WETLAND CONSULTANT.



ESE KNOTWEED ALONG BERM.	
SIVE SPECIES REMOVAL /	
PROGRAM", THIS SHEET.	

NATURAL STONE STABILIZATION TO BE INSTALLED BY HAND. STONES WILL BE SCATTERED THROUGH THE EXISTING

INSTALL STONE CHECK DAMS ACROSS INTERMITTENT WATERCOURSE AT INTERVALS

	WE	LAND MITIGATION PLAN PLANT LIST			
SYMBOL	COMMON NAME	SCIENTIFIC NAME	QUANTITY	SIZE	
		TREES	-		
AR	October Glory Red Maple	Acer Rubrum "October Glory	1	2 - 2-1/2" cal.	
AS	Legacy Sugar Maple	Acer Saccharum "Legacy"	1	2 - 2-1/2" cal.	
NS	Black Gum	Nyssa Sylvatica	4	2" - 2-1/2" cal.	
BN	Hertage River Birch	Betula nigra "Hertage"	3	2-1/2" - 3" cal.	
CV	White Fringe Tree	Chionanthus Virginicus	2	2" - 2-1/2" cal.	
AC	Shadblow Serviceberry (tree form)	Amelanchier Canadensis	3	8' -10' ht.	
CC	Eastern Red Bud	Cercis Canadensis	4	7' - 8' ht.	
10	American Holly	Ilex Opaca	3	15-gal.	
JV	Eastern Red Cedar	Juniperus Virginiana	8	7' - 8' ht.	
		SHRUBS			
LB	Common Spicebush	Lindera Benzoin	9	3' - 4' ht.	
CA	Sweet Pepperbush	Clethra Alnifolia	7	30" - 36" ht.	
HV	Virginia Witchhazel	Hamaelis Virginiana	8	3' - 4' ht.	
IVLH	Little Henry Sweetspire	Itea Virginica "Little Henry"	26	5-gal.	
SB	Anthony Waterer Spiraea	Spiraea Bumalda "Anthony Waterer"	14	5-gal.	
SG	Goldmound Spiraea	Spiraea "Goldmound"	18	5-gal.	
MP	Northern Bayberry	Myrica Pennsylvanica	18	24" - 30" ht.	
CFR	Grey Twig Dogwood	Cornus Foemina Racemosa	7	3' - 4' ht.	
IV	Winterberry	llex Verticillata "Winter Red"	17	30" - 36" ht.	
PF	Mountain Andromeda	Pieris floribunda	3	5-gal.	(
		GRASSES/GROUNDCOVER	-		
PD	Smooth Penstemon	Penstemon Digitalis	100	2'' - 3'' plu	gs
PA	Christmas Fern	Polystichum Acrostichoides	355	2'' - 3'' plu	gs
D	Wood Fern	Dryopteris	50	2'' - 3'' plu	gs
OC	Cinnamon Fern	Osmunda Cinnamomea	120	2" - 3" plu	gs
SS	Little Blue Stem	Schizachyrium Scoparium	240	2'' - 3'' plu	gs
SC	Goldenrod	Solidago Canadensis	75	2" - 3" plu	gs
ED	White Wood Aster	Eurbia Divaricata	220	2" - 3" plu	gs
CL	Bunny Blue Spreading Sedge	Carex Laxiculmis "Bunny Blue"	120	2" - 3" plu	gs
SN	Indian Grass	Sorghastrum Nutans	202	2" - 3" plu	gs
ANA	New England Aster	Aster Novae Angliae	340	2" - 3" plu	gs
LC	Drooping Leucothoe	Leucothoe "Compacta"	365	2" - 3" plu	gs
SH	Prairie Dronseed	Sporobolus Heterolenis	180	2" - 3" plu	ac

ON-SITE WETLAND	140 S.F.
WETLAND DISURBANCE	0 S.F.
ON-SITE WETLAND BUFFER	24,773 S.F.
WETLAND BUFFER DISTURBANCE	24,773 S.F.
ON-SITE MITIGATION	
INVASIVE SPECIES REMOVAL	4,100 S.F. (17%)*
MITIGATION PLANTINGS	8,618 S.F. (35%)*
PERMEABLE PAVEMENT	4,160 S.F. (17%)*
PROVIDED ON-SITE MITIGATION	12,778 S.F.* (52%
IMPERVIOUS COVER IN BUFFER	5,803 S.F. (24%)*
PERVIOUS COVER IN BUFFER	18,970 S.F. (76%)

** PERCENT OF ON-SITE WETLAND BUFFER AREA

WWW.KELSES.COM

LEGEND

		EGEND
uilding		EXISTING PROPERTY LINE
.27		EXISTING 10' CONTOUR
tory -		— EXISTING 2' CONTOUR
HV	× 375.94	EXISTING SPOT ELEVATION
		TOWN REGULATED WATERCOURSE
uilding 1.38'		
Meter		TOWN REGULATED WETLAND, SURVEY LOCATED
CC .		TOWN REGULATED WETLAND, CONFIRMED IN FIELD
— (1) CC	370	PROPOSED 10' CONTOUR
(1)00	376	PROPOSED 2' CONTOUR
	+ 375	PROPOSED SPOT GRADE
(5) PF		PROPOSED HDPE DRAIN PIPE
Overhang		PROPOSED DRAIN INLET/CATCH BASIN
(3) IM		PROPOSED DRAINAGE MANHOLE
		PROPOSED HEAD WALL
		PERMEABLE PAVEMENT
Conc.Pgd		
1 Story Concrete Building		PROPOSED DECIDUOUS SHADE TREE
balt		PROPOSED DECIDUOUS SHADE TREE
		PROPOSED EVERGREEN TREE
alt nent	$\langle \rangle \rangle$	
pane	$\mathbf{O}(\mathbf{x})$	PROPOSED SHRUBS
t Post		MITIGATION PLANTING AREA
V	KELLARD	WETLAND MITIGATION PLAN
	SESSIONS	
	CONSULTING	ARTIS SENIOR LIVING
	ENGINEERING.	TOWN OF OSSINING WESTCHESTER COUNTY, NEW YORK
	LANDSCAPE ARCHITECTURE	
	& PLANNING, P.C.	
SEE		6. OCTOBER 24, 2016 - GENERAL REVISIONS 11
ILED	500 MAIN STREET ARMONK, N.Y. 10504	5. SEPTEMBER 28, 2016 - GENERAL REVISIONS 4. SEPTEMBER 14, 2016 - GENERAL REVISIONS
I	P: (914) 273-2323 F: (914) 273-2329	3. AUGUST 29, 2016 - GENERAL REVISIONS ADDIL 6 2016 - WETLAND DEVISIONS ART100
		2. APKIL 6, 2016 - WEILAND REVISIONS 1. NOVEMBER 9, 2015 - GENERAL REVISIONS DATE:

AUGUST 1, 2015

REVISIONS

NAUTHORIZED ADDITIONS, MODIFICATIONS AND / OR ALTERATIONS TO THESE PLANS IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION L/

