

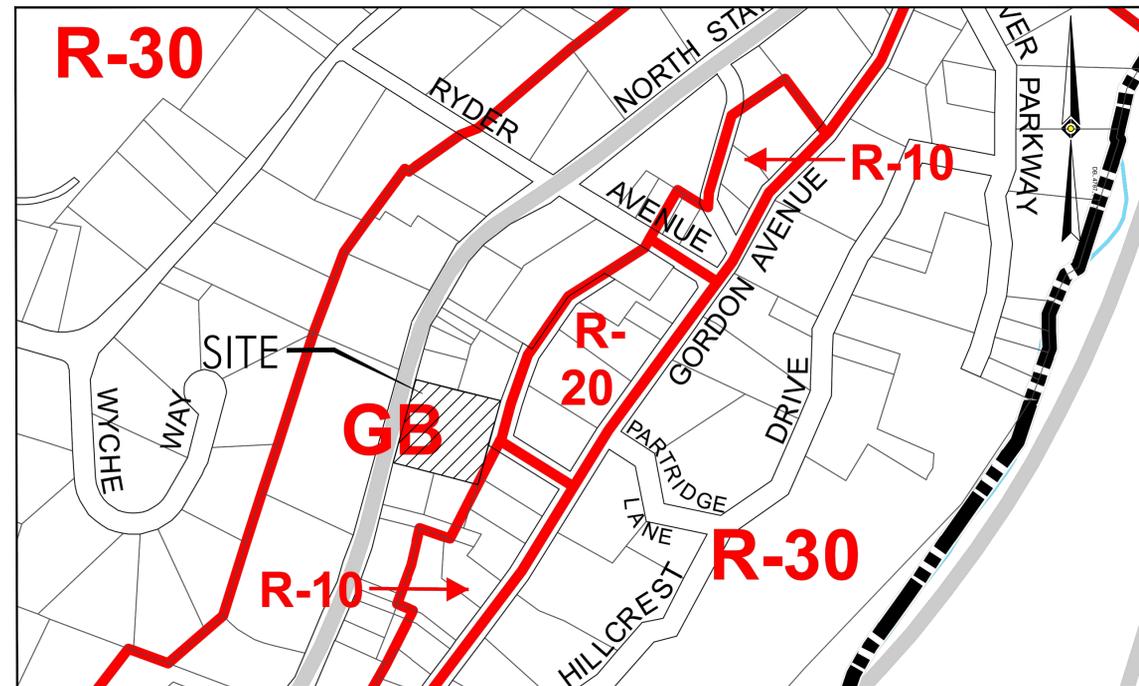
PRELIMINARY / FINAL SITE PLAN

THE LEARNING EXPERIENCE

530 NORTH STATE ROAD, TOWN OF OSSINING, BRIARCLIFF MANOR, WESTCHESTER COUNTY, STATE OF NEW YORK
SECTION 90.15, BLOCK 2, LOT 18



AERIAL MAP
SCALE : 1"=100'



ZONING MAP
SCALE : 1"=200'

ZONING SCHEDULE				
ZONE - GB - GENERAL BUSINESS				
Bulk Regulation	Units	Requirement	Existing	Proposed
Principal Permitted Uses		See Note 2	STORAGE YARD FOR CONSTRUCTION EQUIPMENT	CHILD CARE FACILITY
Lot Area	S.F.	20,000	43,264	43,264
Lot Width	Feet	100	208	208
Lot Depth	Feet	130	208	208
Front Yard	Feet	30	29.2	30.0
Side Yard	Feet	-	54.9	12.2
Rear Yard along any Residence District Boundary	Feet	30	110.7	39.7
Rear Yard Landscape Buffer To Residence District	Feet	20	0.0	20.0
Max. Building Height	Stories	2	1	1
Max. Building Height	Feet	35	< 35	23
Aggregate Floor Area on any Lot	S.F.	-	3,706	10,000
Building Coverage	%	30	8.6	23.1

Abbreviations
C Conforms
ENC Existing Non Conformance
V Variance Required

Notes:
1 Code based on Town of Ossining (Westchester, NY), Zoning Ordinance, 200-23, Amended 06-14-94.
2 As per Township Code, Ordinance 200-18 A. (10) permitted uses are child-care and elder-care facilities.

PARKING PROVIDED: 35 spaces inclusive of 2 ADA accessible spaces
PER CODE SECTION 200-29: Reasonable and appropriate off-street parking requirements for structures and uses which do not fall within the categories listed shall be determined by the Planning Board upon consideration of all factors entering into the parking needs of each such use.

PROJECT CONTACTS

APPLICANT:
BRIARCLIFF MANOR PARTNERS, LLC
c/o JARMEL KIZEL ARCHITECTS AND ENGINEERS, INC.
42 OKNER PARKWAY
LIVINGSTON, NJ 07039

OWNER:
NSRR REALTY, LLC
c/o BOBCAT OF NEW YORK, INC.
58-64A MAURICE AVENUE
MASPETH, NEW YORK 11378

ATTORNEY:
ADAM L. WEKSTEIN, ESQ
HOCHERMAN TORTORELLA & WEKSTEIN, LLP
ONE NORTH BROADWAY, SUITE 701
WHITE PLAINS, N.Y. 10601

ENGINEER:
RICHARD A. JARMEL, PE
JARMEL KIZEL ARCHITECTS AND ENGINEERS, INC.
42 OKNER PARKWAY
LIVINGSTON, NJ 07039

ARCHITECT:
MATTHEW B. JARMEL, AIA
JARMEL KIZEL ARCHITECTS AND ENGINEERS, INC.
42 OKNER PARKWAY
LIVINGSTON, NJ 07039

PRELIMINARY/FINAL SITE PLAN OF:
"THE LEARNING EXPERIENCE"

SECTION 90.15, BLOCK 2, LOT 18

I HAVE REVIEWED THIS SITE PLAN AND CERTIFY THAT IT MEETS ALL CODES AND ORDINANCES UNDER MY JURISDICTION.

(MUNICIPAL ENGINEER) (DATE)

APPROVED BY THE PLANNING BOARD

(CHAIRMAN) (DATE)

(SECRETARY) (DATE)

DRAWING INDEX

SHEET NO.	DRAWING NO.	DRAWING NAME	DATE	LAST REV. DATE
1	C-001	COVER SHEET	4-27-18	9-20-18
2	C-100	EXISTING CONDITIONS PLAN	4-27-18	9-20-18
3	C-200	DEMOLITION PLAN	4-27-18	9-20-18
4	C-300	SITE AND UTILITIES PLAN	4-27-18	9-20-18
5	C-400	GRADING AND DRAINAGE PLAN	4-27-18	9-20-18
6	C-600	LANDSCAPING PLAN	4-27-18	9-20-18
7	C-650	LIGHTING PLAN AND DETAILS	4-27-18	9-20-18
8	C-700	SOIL EROSION AND SEDIMENT CONTROL PLAN	4-27-18	9-20-18
9	C-900	DETAIL SHEET	4-27-18	9-20-18
10	C-901	DETAIL SHEET	4-27-18	9-20-18
11	C-902	DETAIL SHEET	4-27-18	9-20-18
12	C-903	DETAIL SHEET	9-20-18	

Jarmel Kizel
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www.jarmelkizel.com

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2	6.28.18	REVISED PLAY AREA 20' BUFFER	GPG
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NO.	DATE	DESCRIPTION	INT.
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2	9.20.18	PER 9/5/18 PB MEETING	GPG

PRINCIPALS

MATTHEW B. JARMEL, AIA, MBA
NJ LIC 48159
CO LIC ARK-01483
CT LIC AR 001419
DC LIC AR 000756
FL LIC AR 9034
GA LIC RA 1184
IA LIC 05577
IL LIC 00120069
IN LIC 281296
MD LIC 120102189
NJ LIC 214807403
NY LIC 28022
PA LIC 2380043100
VT LIC 2463

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NY LIC 28022
PA LIC 2380043100
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NY LIC 019151
NJ LIC 21480209000
PA LIC 84407927

CHERYL SCHWEINER, AIA
NJ LIC 21480209000
PA LIC 84407927

Project: **THE LEARNING EXPERIENCE**
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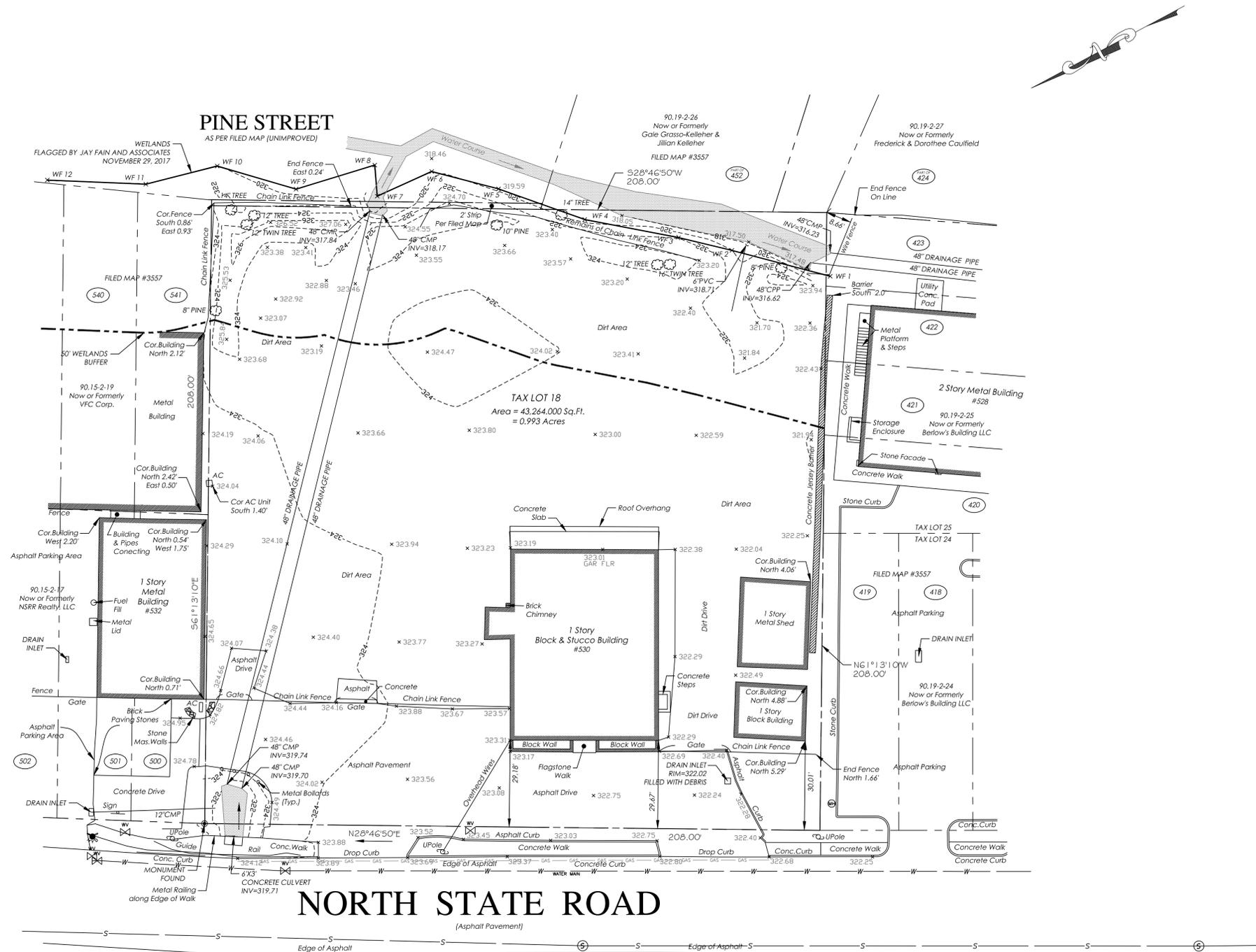
Project No: **TLENY-S-17-155** Scale: **AS NOTED**
Drawn By: **LB** Approved By: **RAJ**

Drawing Name: **COVER SHEET**

Drawing Number: **C-001**
Sheet No: of: **1 12**
Initial Date: **APRIL 27, 2018**
RICHARD A. JARMEL
PROFESSIONAL ENGINEER
N.Y. LIC. #073898-1

EXISTING CONDITIONS NOTE:

- BOUNDARY & TOPOGRAPHY INFORMATION IS BASED ON A SURVEY TITLED "TOPOGRAPHY OF PROPERTY PREPARED FOR NSRR REALTY, LLC SITUATED IN THE TOWN OF OSSINING, WESTCHESTER COUNTY, NEW YORK" BY TC MERRITT'S LAND SURVEYORS, 394 BEDFORD ROAD, PLEASANTVILLE, NY 10570 WITH LATEST REVISION DATE 12/4/2017.



NORTH STATE ROAD

(Asphalt Pavement)



Jarmel Kizel

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MATTHEW B. JARMEL, AIA, MBA NJ LIC 48159	NJ LIC 4812787
CO LIC ARK-01483	MN LIC 46424
CT LIC AR-0011415	NC LIC 10170
DC LIC ARK101849	NY LIC 3260
DE LIC 55-0007256	NY LIC 024673
FL LIC AR94034	OH LIC 9-9912444
GA LIC 94011484	PA LIC RA-014851.8
IA LIC 05577	RI LIC ARK0041845
IL LIC 00102969	SC LIC AR 9143
IN LIC 4812290	TX LIC 20992
MD LIC 1301052189	TX LIC 014889
MI LIC 1301052189	VT LIC 2453
MO LIC 1301052189	NJ LIC 214801941030
MT LIC 1301052189	NJ LIC 214801941030
NC LIC 1301052189	NJ LIC 214801941030
ND LIC 1301052189	NJ LIC 214801941030
OH LIC 1301052189	NJ LIC 214801941030
OK LIC 1301052189	NJ LIC 214801941030
OR LIC 1301052189	NJ LIC 214801941030
PA LIC 1301052189	NJ LIC 214801941030
RI LIC 1301052189	NJ LIC 214801941030
SC LIC 1301052189	NJ LIC 214801941030
SD LIC 1301052189	NJ LIC 214801941030
TN LIC 1301052189	NJ LIC 214801941030
TX LIC 1301052189	NJ LIC 214801941030
VA LIC 1301052189	NJ LIC 214801941030
VT LIC 1301052189	NJ LIC 214801941030
WA LIC 1301052189	NJ LIC 214801941030
WI LIC 1301052189	NJ LIC 214801941030
WV LIC 1301052189	NJ LIC 214801941030
WY LIC 1301052189	NJ LIC 214801941030

ASSOCIATES

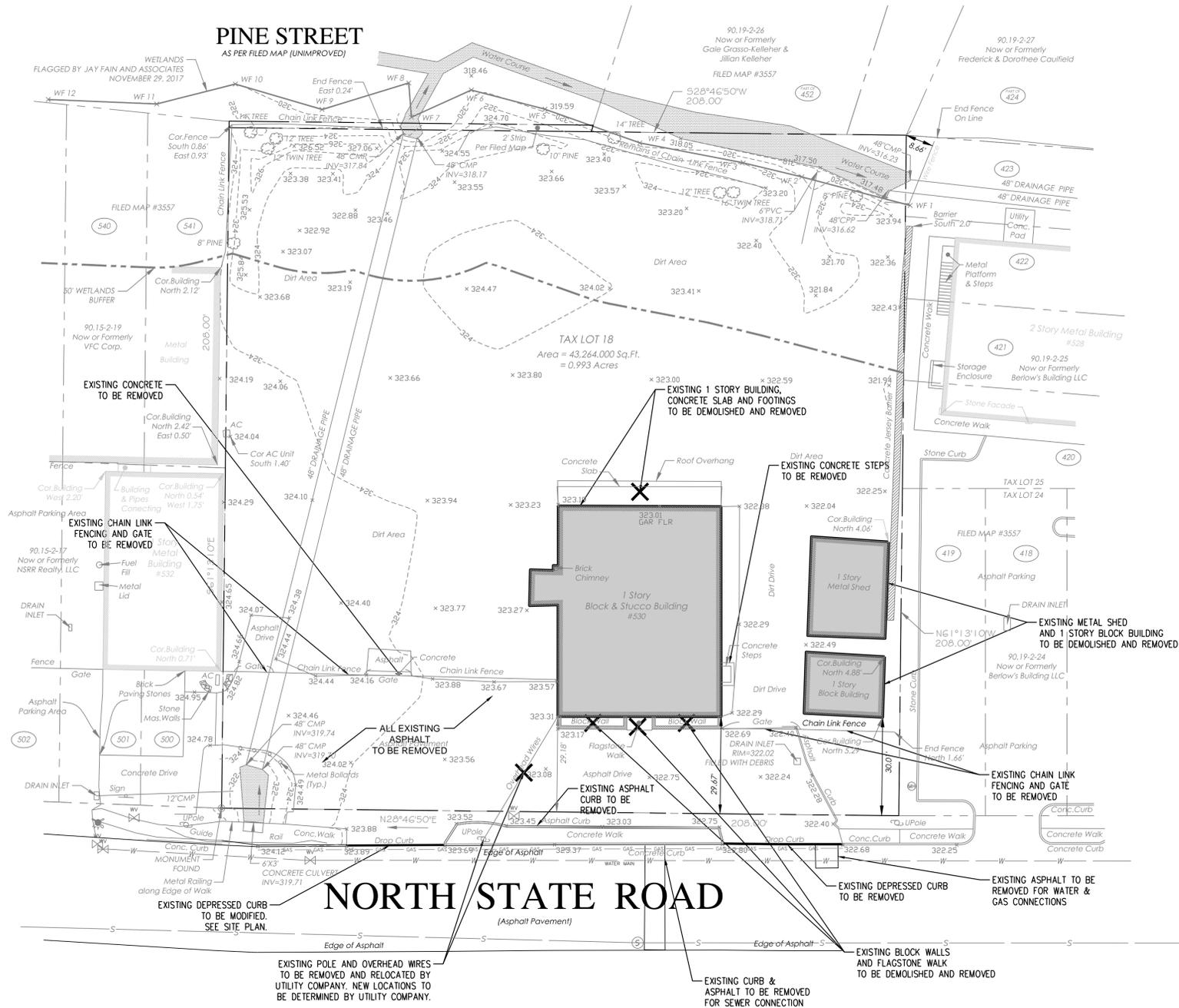
RONALD A. BROKENSHIRE, PE NJ LIC 901032811	NJ LIC 0645511
DAVID L. LESENE, RA NJ LIC 02411748	NJ LIC A1 12231
MICHAEL J. VOLANO, RA NJ LIC 31425	NJ LIC 02411748
GERARD P. GISSABO, PE NJ LIC 019151	NJ LIC 0645511
FREDERICK KINGAID, RA NJ LIC 016022.8	NJ LIC 2141018294
JEROME LESLIE BERN, PA, PP NJ LIC 016022.8	NJ LIC 0645511
CHERYL SCHWENKER, AIA NJ LIC 0645511	NJ LIC 019151

THE LEARNING EXPERIENCE

Project: THE LEARNING EXPERIENCE 530 NORTH STATE ROAD TOWN OF OSSINING BRIARCLIFF MANOR, NY SECTION 90.15, BLOCK 2, LOT 18	
Project No: TLENY-S-17-155	Scale: 1" = 20'
Drawn By: LB	Approved By: RAJ
Drawing Name:	
EXISTING CONDITIONS PLAN	
Drawing Number: C-100	
Sheet No: 2 of 12	
Initial Date: APRIL 27, 2018	RICHARD A. JARMEL PROFESSIONAL ENGINEER N.Y. LIC. #073898-1

DEMOLITION NOTES:

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- CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS AND SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCY ON DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL AND DISPOSING IN A LEGAL MANNER IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL CONCRETE PADS, ASPHALT PARKING, CURBS, ETC., SUCH THAT ALL THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY DISCONNECTS OF THE EXISTING UTILITY AND RECONNECTION SHALL BE INCLUDED.
- IT IS CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AS REQUIRED PRIOR TO DEMOLITION.
- CONTRACTOR IS DESIGNATED TO MAKE REMOVALS AND DISPOSAL OF THE MATERIALS IS HIS RESPONSIBILITY.
- CONTRACTOR SHALL KEEP THE JOB FREE OF DEBRIS AND MAKE FINAL CLEAN UP TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL CARRY OUT THE WORK OF THIS CONTRACT PLACING THE SAFETY AND PROTECTION OF THE SURROUNDING COMMUNITY AND PROPERTY AT THE HIGHEST PRIORITY.
- THE CONTRACTOR SHALL IMPLEMENT ALL NECESSARY MEASURES TO PROTECT ADJACENT AND ON-SITE PROPERTY, STRUCTURES AND UTILITIES THAT ARE TO REMAIN INTACT WHILE PERFORMING THE SPECIFIED WORK.
- THE CONTRACTOR SHALL ENSURE FREE AND SAFE PASSAGE OF PERSONS AROUND THE AREA OF THE DEMOLITION AS DIRECTED BY THE OWNER AND THE MUNICIPAL OFFICIALS. THE OWNER'S REPRESENTATIVE IS NOT RESPONSIBLE FOR JOBSITE SAFETY.
- ALL SIDEWALK, CURBS, DRIVEWAYS, PIPES, STRUCTURES TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE DURING CONSTRUCTION SHALL BE RESTORED, RECONSTRUCTED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TRAFFIC CONTROL DEVICES REQUIRED BY THE MUNICIPALITY AND LOCAL AGENCIES.
- PULVERIZED CONCRETE OR MASONRY SHALL NOT BE USED AS BACKFILL MATERIAL.
- IF ANY HAZARDOUS MATERIALS ARE ENCOUNTERED THE OWNER/ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE EACH DAY TO INSPECT AND REMOVE ALL DIRT, GRAVEL AND LOOSE MATERIAL DUMPED, SPILLED, ETC FROM THE CONSTRUCTION SITE ONTO OTHER SITES, ROW, PUBLIC OR PRIVATE STREET.
- CONTRACTOR SHALL REDUCE THE AIRBORNE DUST DURING THE DEMOLITION AND MAINTAIN EROSION CONTROL DEVICES AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
- SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE FENCING, CURBING, PAVEMENT, LIGHTING AND/OR STORM INLETS STRUCTURES, THEN THE CONTRACTOR SHALL PROVIDE NEW MATERIALS/STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALL CONSTRUCTION MATERIALS SHALL BE NEW.
- CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, CURBING, ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
- CONTRACTOR SHALL REPLACE ALL CURBING ALONG THE SITE FRONTAGE THAT HE DAMAGES (AS DIRECTED BY THE TOWNSHIP OR COUNTY, AS APPLICABLE).



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PRINCIPALS	
MATTHEW B. JARMEL, AIA, MBA	NJ LIC: A0112787 AZ LIC: 48139 CO LIC: ARC-401483 CT LIC: AR-0011415 DC LIC: AR-101849 DE LIC: S-5007256 FL LIC: APR4034 GA LIC: 84311484 IL LIC: 001-000069 IN LIC: 481026 MI LIC: 120102189 MO LIC: 0852 NC LIC: 120102189 NJ LIC: 120102189
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FREDERICK KINCAID, RA	
JEROME LESLIE EBEL, PA, PP	
CHELY SCHWENKER, AIA	

NJ State Board of Architects, Professional Engineers, Professional Land Surveyors, and Professional Geologists, Inc. SA-278177

Project: **THE LEARNING EXPERIENCE**
530 NORTH STATE ROAD
TOWN OF OSSINING
BRIARCLIFF MANOR, NY
SECTION 90.15, BLOCK 2, LOT 18

Project No: **TLENY-S-17-155** Scale: **1" = 20'**

Drawn By: **LB** Approved By: **RAJ**

Drawing Name: **DEMOLITION PLAN**

Drawing Number: **C-200**

Sheet No: **3** of: **12**

Initial Date: **APRIL 27, 2018**

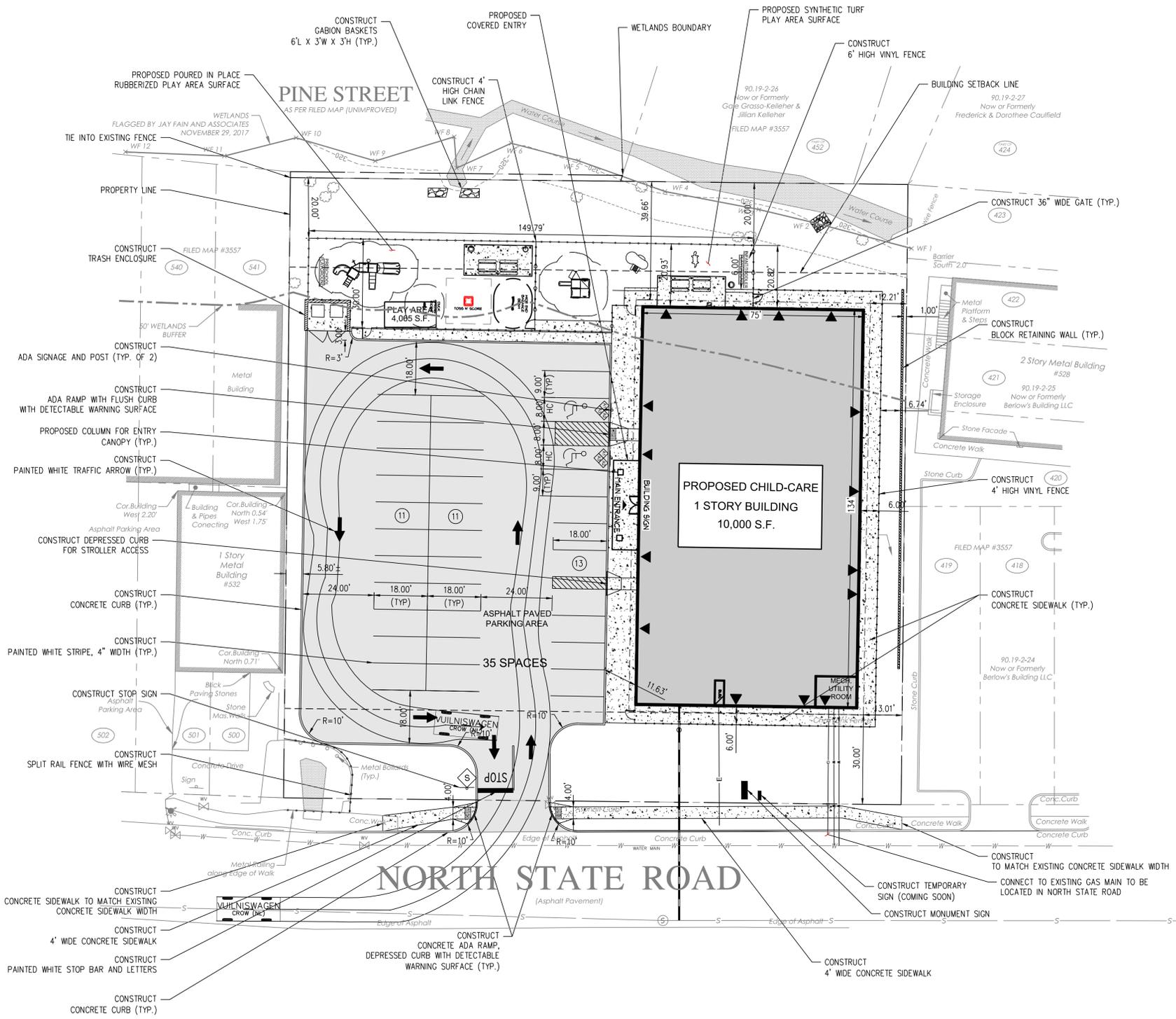
RICHARD A. JARMEL
PROFESSIONAL ENGINEER
N.Y. LIC. #073898-1

S:\PROJECTS\TLENY-S-17-155 TLE OSSINING NY\CA\17-155 C-200 DEMOLITION.DWG CGESARIO PLOTTED: 09/20/2018



GENERAL NOTES:

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- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DOOR LOCATIONS.
- ALL CONSTRUCTION IS TO BE PERFORMED IN CONFORMANCE WITH ALL APPLICABLE LOCAL, COUNTY, STATE, AND FEDERAL CODES.
- CONSTRUCTION MATERIALS AND METHODS NOT OTHERWISE SPECIFIED OR SHOWN HEREIN SHALL CONFORM TO NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION AND AMENDMENTS).
- THESE PLANS DEPICT THE SITE WORK IMPROVEMENTS FOR THIS PROJECT. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS, TECHNIQUES, SEQUENCE OF CONSTRUCTION AND JOB SITE SAFETY. AS SUCH, THESE PLANS ARE NOT INTENDED TO REPRESENT SPECIFIC INSTRUCTIONS REQUIRED FOR SITE WORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
- THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH INSPECTION OF THE SITE IN ORDER TO REVEAL EXISTING CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO BIDDING, ORDERING MATERIALS, AND COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
- THE CONTRACTOR SHALL PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFIs) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITE WORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIs SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE WORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
- THE CONTRACTOR IS RESPONSIBLE TO CONTACT NEW YORK ONE CALL NOT LESS THAN 3 BUSINESS DAYS AND NOT MORE THAN 10 BUSINESS DAYS PRIOR TO THE BEGINNING OF ANY EXCAVATION OR DEMOLITION. NEW YORK ONE CALL INFORMATION - PHONE: 811, WEB: WWW.DIGSAFELYNEWYORK.COM
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND JOB SITE SAFETY.
- THE MUNICIPAL ENGINEER MUST BE NOTIFIED ONE WEEK PRIOR TO THE CONSTRUCTION OF ANY CURBING, SIDEWALKS, PAVEMENT GRADING, OR OTHER UTILITIES.
- THE CONTRACTOR MUST NOTIFY THE DESIGN ENGINEER OF ANY CONDITION OF CONFLICTS THAT WILL ALTER THE INTENT OF THE DESIGN HEREIN.
- CONTRACTOR IS REQUIRED TO REMOVE ALL UNSUITABLE MATERIALS FROM THE SITE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL REGULATIONS.
- ALL PROPOSED IMPROVEMENTS TO BE IN ACCORDANCE WITH CURRENT ADA AND NY BARRIER FREE CODE REQUIREMENTS.
- SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, ORDINANCES AND STATUTES OF THE TOWN OF OSSINING, WESTCHESTER COUNTY AND STATE OF NEW YORK AND ANY OTHER JURISDICTION.
- NO DEED RESTRICTIONS OR COVENANTS EXIST ON SITE NOR ARE ANY PROPOSED.
- CONTRACTOR SHALL REPLACE ALL CURBING ALONG THE SITE FRONTAGE THAT HE DAMAGES (AS DIRECTED BY THE TOWNSHIP OR COUNTY, AS APPLICABLE).
- ALL WORK WITHIN THE TOWNSHIP ROAD RIGHT OF WAY SHALL BE ACCORDING TO TOWN OF OSSINING STANDARDS.



LEGEND		
	EXISTING	PROPOSED
PROPERTY LINE	---	---
BUILDING LINE	---	---
BUILDING CANOPY	---	---
CURB LINE	---	---
DEPRESSED CURB	N/A	---
CONCRETE WALK	N/A	---
SIGN	---	---
FENCE	---	---

SIGN LEGEND AND DETAILS			
SYMBOL	QJAN	USDOT FHA DESIGNATION	SIGN DETAIL
	1	R1-1	
	2	R7-5	
	2	R7-8b	
	2	R7-8B	
	1	RS-1 (30x30)	

- SIGN NOTES:**
- ALL SIGNS SHALL CONFORM TO THE MANUAL ON TRAFFIC CONTROL DEVICES.
 - SIGNS, SIGN POSTS AND THEIR FOUNDATIONS AND SIGN MOUNTING SHALL BE SO CONSTRUCTED AS TO HOLD SIGNS IN A PROPER AND PERMANENT POSITION, TO RESIST SWAYING IN THE WIND OR DISPLACEMENT BY VANDALISM.
 - REFER TO MOUNTING DETAILS FOR HEIGHTS. ALL SIGNS SHALL BE MEASURED FROM PAVEMENT OR GROUND TO BOTTOM OF SIGN.

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PRINCIPALS	
MATTHEW B. JARMEI, AIA, MBA NJ LIC: 401-12787 NY LIC: 48139 CO LIC: ARC-401483 CT LIC: AR-0011415 DC LIC: AR-101849 DE LIC: 55-0007556 FL LIC: AR-40324 GA LIC: 40411484 IA LIC: 00537 IL LIC: 001-020069 IN LIC: 4810296 MD LIC: 120102189 MI LIC: 06822	RICHARD A. JARMEI, PE NJ LIC: 37491 NY LIC: 20972 VT LIC: 2453 PA LIC: 21400794700 TX LIC: 123822
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Project: **THE LEARNING EXPERIENCE**
530 NORTH STATE ROAD
TOWN OF OSSINING
BRIARCLIFF MANOR, NY
SECTION 90.15, BLOCK 2, LOT 18

Project No: **TLENY-S-17-155** Scale: **1" = 20'**

Drawn By: **LB** Approved By: **RAJ**

Drawing Name: **SITE AND UTILITIES PLAN**

Drawing Number: **C-300**

Sheet No: **4** of: **12**

Initial Date: **APRIL 27, 2018**

RICHARD A. JARMEI
PROFESSIONAL ENGINEER
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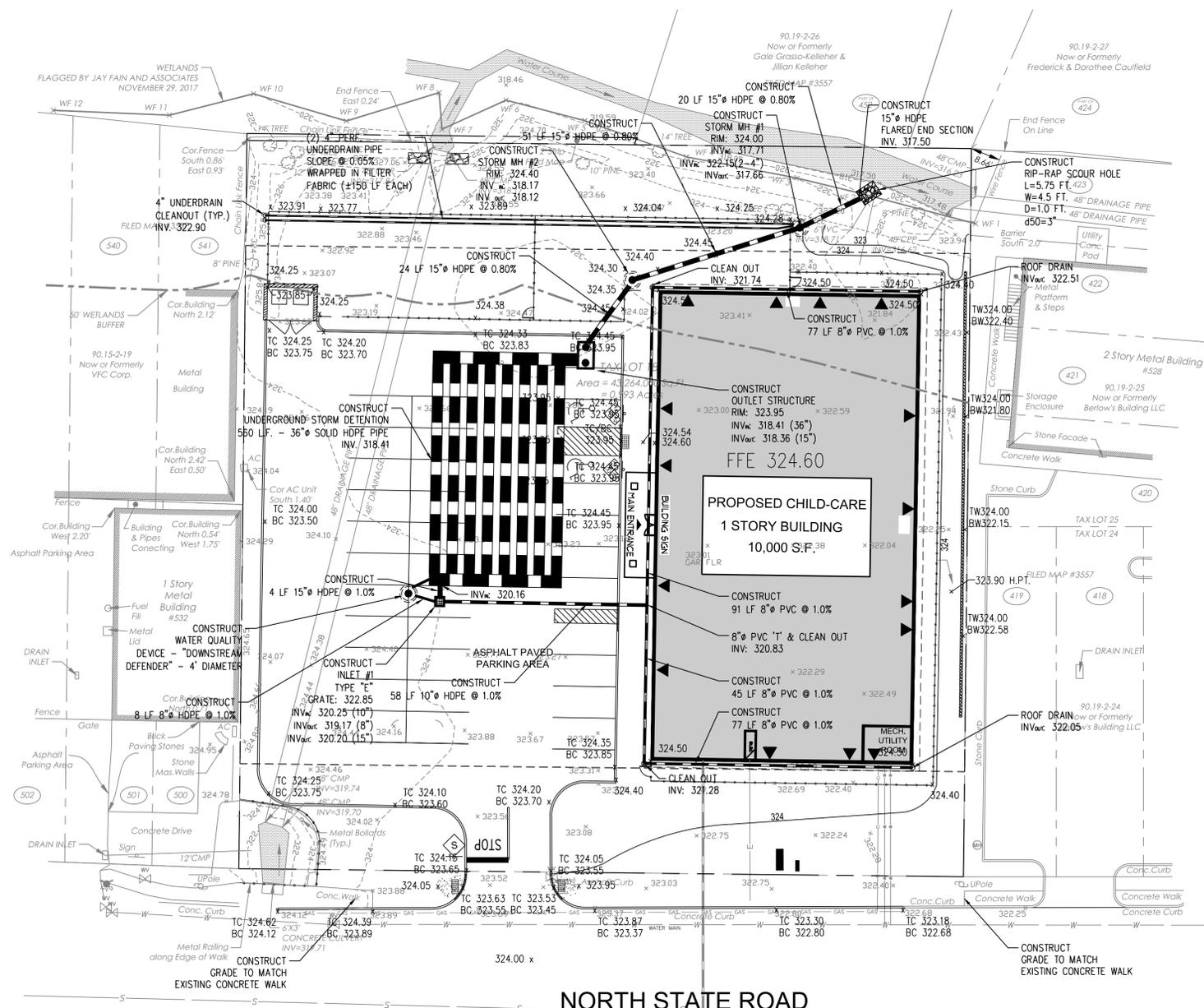
S:\PROJECTS\TLENY-S-17-155 TLE OSSINING NY\CAD\17-155 C-300 SITE PLAN.DWG GGS/ARIC PLOTTED: 09/20/2018

GRADING AND DRAINAGE PLAN NOTES

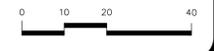
- BOUNDARY & TOPOGRAPHY INFORMATION IS BASED ON A SURVEY TITLED "TOPOGRAPHY OF PROPERTY PREPARED FOR NSRR REALTY, LLC SITUATED IN THE TOWN OF OSSINING, WESTCHESTER COUNTY, NEW YORK" BY TC MERRITTS LAND SURVEYORS, 394 BEDFORD ROAD, PLEASANTVILLE, NY 10570 WITH LATEST REVISION DATE 12/4/2017.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON SURVEY AND, WHERE POSSIBLE MEASUREMENTS SHOULD BE TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ENSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE UTILITY COMPANIES AS TO LOCATION AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.
- EXCAVATED MATERIAL CONTAINING ROCK OR STONE GREATER THAN SIX (6) INCHES IN LARGEST DIMENSION IS UNACCEPTABLE AS FILL TO WITHIN THE PROPOSED BUILDING AND PAVING AREA.
- ROCK OR STONE LESS THAN SIX (6) INCHES IN LARGEST DIMENSION IS ACCEPTABLE AS FILL TO WITHIN TWENTY-FOUR (24) INCHES OF SURFACE OF PROPOSED SURGED WHEN MIXED WITH SUITABLE MATERIAL AS PERMITTED BY THE OWNER'S GEOTECHNICAL ENGINEER.
- ROCK OR STONE LESS THAN TWO (2) INCHES IN LARGEST DIMENSION AND MIXED WITH SUITABLE MATERIAL IS ACCEPTABLE AS FILL WITHIN THE UPPER TWENTY-FOUR (24) INCH OF PROPOSED SUBGRADE AS PERMITTED BY THE OWNER'S GEOTECHNICAL ENGINEER.
- ALL SITEWORK AND EARTHWORK OPERATIONS CONDUCTED ON THE SITE TO BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY THE OWNER'S GEOTECHNICAL ENGINEER.
- COMPACTION CRITERIA FOR FILL PLACED IN THE FOLLOWING AREAS SHALL MEET OR EXCEED THE FOLLOWING MINIMUM PERCENTAGE OF MAXIMUM MODIFIED PROCTOR DRY DENSITY AS DETERMINED BY ASTM D-1557 USED ON REPRESENTATIVE SOIL SAMPLES, UNLESS MORE STRINGENT CRITERIA GIVEN ELSEWHERE:

FILL AREA	STANDARD PROCTOR DRY DENSITY
SIDEWALKS	95%
PAVEMENTS AND ROADWAYS	95%
LANDSCAPE AREAS	93%
TRENCH BACKFILL	SAME AS SURROUNDING AREA
- PROTECT SUBGRADE FROM EXCESSIVE WHEEL LOADING DURING CONSTRUCTION, INCLUDING TRUCKS AND DUMP TRUCKS.
- REMOVE AREAS OF FINISHED SUBGRADE FOUND TO HAVE INSUFFICIENT COMPACTION DENSITY TO DEPTH NECESSARY AND REPLACE IN A MANNER THAT WILL COMPLY WITH COMPACTION REQUIREMENTS BY USE OF MATERIAL EQUAL TO OR BETTER THAN BEST SUBGRADE MATERIAL ON SITE. SURFACE OF SUBGRADE AFTER COMPACTION SHALL BE HARD, UNIFORM, SMOOTH, STABLE, AND TRUE TO GRADE AND CROSS-SECTION.
- GRADE ALL AREAS WHERE FINISH GRADE ELEVATIONS OR CONTOURS ARE INDICATED ON DRAWINGS, OTHER THAN PAVED AREAS AND BUILDINGS, INCLUDING EXCAVATED AREAS, FILLED AND TRANSITION AREAS, AND LANDSCAPED AREAS. GRADED AREAS SHALL BE UNIFORM AND SMOOTH, FREE FROM ROCK, DEBRIS, OR IRREGULAR SURFACE CHANGES. FINISHED SUBGRADE SURFACE SHALL NOT BE MORE THAN 0.10 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATION, AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS. FINISH DITCHES SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE WITHOUT PONDING AND IN A MANNER THAT WILL MINIMIZE EROSION POTENTIAL.
- ALL CONCRETE, UNLESS OTHERWISE NOTED OR SPECIFIED BY REGULATORY AUTHORITIES, SHALL BE 4000 PSI.
- REPRESENTATIVES OF THE MUNICIPALITY SHALL HAVE THE RIGHT TO INSPECT THE DRAINAGE FACILITIES LOCATED ON THE PROPOSED LOT FROM TIME TO TIME AS DEEMED NECESSARY.
- CATCH BASINS SHALL BE CLEANED OUT PERIODICALLY TO PREVENT THE BUILDUP OF SEDIMENT AND DEBRIS IN STRUCTURES.
- ROOF LEADER CLEANOUTS LOCATED IN GRASSED AREAS SHALL BE PLASTIC SCREW CAPS WHILE ROOF LEADER CLEANOUTS LOCATED WITHIN CONCRETE AREAS SHALL BE FLUSH BRASS CAPS.

LEGEND	
EXISTING	PROPOSED
STORM SEWER	N/A
PROPERTY LINE	---
MANHOLE	●
CATCH BASIN	■
SPOT ELEVATION	TC 100.57 BC 100.45
CONTOUR	99.3'



NORTH STATE ROAD



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Architecture
Engineering
Interior Design
Implementation Services

ISSUE			
NO.	DATE	DESCRIPTION	INT.
1.	5.23.18	INITIAL SUBMISSION	GPG
2.	6.28.18	REVISED PLAY AREA 20' BUFFER	GPG
3.	8.20.18	PLANNING BOARD SUBMISSION	GPG
4.	9.20.18	PLANNING BOARD SUBMISSION	GPG

REVISION			
NO.	DATE	DESCRIPTION	INT.
1	8.20.18	PER 6/20/18 REVIEW LETTERS	LB
2	9.20.18	PER 9/5/18 PB MEETING	GPG

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NJ State Board of Architects, Registration No. 161
NJ State Board of Engineers and Land Surveyors, Registration No. GA-278177

Project: **THE HOLDING EXPERIENCE**
530 NORTH STATE ROAD
TOWN OF OSSINING
BRIARCLIFF MANOR, NY
SECTION 90.15, BLOCK 2, LOT 18

Project No: **TLENY-S-17-155** Scale: **AS NOTED**

Drawn By: **LB** Approved By: **RAJ**

Drawing Name: **GRADING AND DRAINAGE PLAN**

Drawing Number: **C-400**

Sheet No: **5** of: **12**

Initial Date: **APRIL 27, 2018**

RICHARD A. JARMEL
PROFESSIONAL ENGINEER
N.Y. LIC. #073898-1

S:\PROJECTS\TLENY-S-17-155 TLE OSSINING NY\CADD\17-155 C-400 GRAD PLAN.DWG GCSBARI PLOTTED: 09/20/2018

PLANT NOTES

1. VERIFY THE LOCATION OF ALL UTILITY LINES PRIOR TO ANY PLANTING PIT EXCAVATION. CONTACT CALL BEFORE YOU DIG 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DIGGING OPERATIONS. COORDINATE BUILDER REGARDING UNDERGROUND SYSTEMS.
2. NOTIFY THE LANDSCAPE ARCHITECT AT LEAST FIVE (5) DAYS IN ADVANCE OF PLANT MATERIAL DELIVERY TO THE SITE.
3. LAYOUT ALL PLANT MATERIAL WITH THE LANDSCAPE ARCHITECT PRIOR TO PLANT PIT EXCAVATION. SET UP OF ALL MATERIAL IN BEDS REQUIRED FOR OWNERS AND LANDSCAPE ARCHITECTS APPROVAL PRIOR TO PLANTING. SEE PLAN FOR BED AND PLANT LAYOUT.
4. IF ANY DISCREPANCY OCCURS BETWEEN THE QUANTITIES CALLED FOR IN THE PLAN, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO BID.
5. ALL PLANT MATERIAL IS TO CONFORM TO THE REQUIREMENTS OF THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN FOR EXTRA HEAVY GRADE UNLESS OTHERWISE SPECIFIED, TRUE TO NAME AND SIZE. INVESTIGATE SOURCES OF SUPPLY AND BE CERTAIN IT WILL BE POSSIBLE TO PROVIDE ALL PLANT MATERIALS SPECIFIED IN THE QUALITY AND QUANTITY REQUIRED PRIOR TO BIDDING.
6. ANY PLANT REQUIRED UNDER THIS CONTRACT THAT IS DEAD, DYING NOT TRUE TO NAME OF SIZE AS SPECIFIED OR NOT IN SATISFACTORY GROWTH, OR HAVING BRANCHED OR DEFORMED STRUCTURE DUE TO LOSS OF LIMBS OR BRANCHED AS DETERMINED BY THE LANDSCAPE ARCHITECT, THAT PLANT MUST BE REMOVED FROM THE PROJECT SITE AND REPLACED WITH AN APPROVED PLANT OF EQUAL SIZE AND SPECIES. PLANT VARIETY AND SIZE SUBSTITUTIONS WILL NOT BE PERMITTED UNLESS PROVED THAT THE SPECIFIED PLANT MATERIAL IS UNATTAINABLE OR CANNOT MEET SPECIFICATION REQUIREMENTS, THEN THE USE OF THE NEAREST EQUIVALENT SIZE OR VARIETY WILL BE CONSIDERED. PLANT MATERIAL LARGER THAN SPECIFIED MAY BE USED AT NO INCREASE IN COST. PROPOSED SUBSTITUTIONS MUST RECEIVE THE LANDSCAPE ARCHITECTS AUTHORIZATION PRIOR TO BID.
7. STAKE TREES ONLY AS NECESSARY TO INSURE STABILITY.
8. ALL STOCKPILED MATERIALS ARE TO BE STORED IN AN AREA WITH GOOD SURFACE DRAINAGE, SOIL BALLS ARE TO BE COVERED WITH MULCH AND PLANTS ARE TO BE WATERED FREQUENTLY TO KEEP SOILS BALLS MOIST.
9. ALL PLANT MATERIALS ARE TO BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AS DETERMINED BY THE LANDSCAPE ARCHITECT.
10. RESTORE ALL DISTURBED OR DAMAGED AREAS RESULTING FROM PLANTING OPERATIONS TO ORIGINAL CONDITIONS.
11. PROVIDE 4" SCREENED TOPSOIL IN ALL AREAS NOT TO BE PAVED AS NEEDED, USE OWNERS STOCKPILE/ EXISTING SOIL AS PRACTICAL. MULCH BED AREAS WITH 2" OF SHREDDED PINE BARK. PROVIDE SAMPLE OF MULCH FOR OWNER'S APPROVAL. PROVIDE PER YARD PLACE & SPREAD TOPSOIL PRICE.
 - a. BLEND OF 3 TALL FESCUES FOR WATER AND FERTILIZER NEEDS REDUCTION. I.E. 'DEFIANCE XRE FESCUE GRASS SEED BLEND' CONTAINING SPEEDWAY, BLACKWATCH AND SR-8650 TALL FESCUES THAT ARE TURF FORMING AND SELF HEALING
12. SEE PLAN FOR LAWN LIMIT AND BED LAYOUT - CUT BEDS AFTER APPROVAL FROM OWNER AND LANDSCAPE ARCHITECT. SEED OR SOD PER CONTRACT LAWN AREAS AND MULCH NEW SEED WITH CHOPPED STRAW OR SALT HAY. PROVIDE STARTER FERTILIZER IN SEED MIX. SEED MIX, OR APPROVED EQUAL, AS FOLLOWS:
 - a. BLEND OF 3 TALL FESCUES FOR WATER AND FERTILIZER NEEDS REDUCTION. I.E. 'DEFIANCE XRE FESCUE GRASS SEED BLEND' CONTAINING SPEEDWAY, BLACKWATCH AND SR-8650 TALL FESCUES THAT ARE TURF FORMING AND SELF HEALING
13. PROVIDE TRUNK GUARDS ON ALL EXPOSED TREE TRUNKS WITHIN THE BUFFER AREA TO PROTECT FORM BROWSE AND RUB.
14. PROVIDE TEMPORARY IRRIGATION SYSTEM TO ASSURE ADEQUATE WATERING DURING PLANT ESTABLISHMENT PERIOD.

PLANT LIST for Buffer areas (Native and deer resistant)

Quan.	Sym.	Botanical/ Common Name	Size/ Root	Remark
TREES				
1	AR	Acer rubrum / Red Maple	1.75-2" Cal/ BB	overstory
1	BN	Betula nigra / River Birch	1.75-2" Cal/ BB	overstory
3	CF	Comus florida / Flowering Dogwood	1.75-2" Cal/ BB	understory
2	MC	Malus coronaria / Wild Crabapple	1.75-2" Cal/ BB	understory
1	NS	Nyssa sylvatica / Black Gum	1.75-2" Cal/ BB	overstory
12	TGG	Thuja p. 'Green Giant'	6-7' ht/ BB	Screen
SHRUBS				
9	CA	Clethra alnifolia/ Sweet Pepperbush	#3/Cont.	buffer
5	IV	Itea virginiana/Sweetspire	#3/ Cont.	buffer
10	MP	Myrica pensylvanica/ Bayberry	#3/Cont.	buffer
2	SD	Salix discolor/ Pussywillow	5-6' ht clump	buffer
3	SC	Sambucus canadensis / Elderberry	#3 cont.	buffer
FORBS				
7	At	Amsonia taberna/ Bluestar	2 gal	buffer
7	Al	Asclepias incarnata / Swamp milkweed	1 gal.	buffer
20	Apd	Aster n. 'Purple Dome'	1 gal	Buffer front
20	Ep	Echinacea purpurea/ Coneflower	1 gal	Buffer
20	Ha	Heuchera americana / Coral bells	1 gal	Buffer front
20	Rf	Rudebeckia f. 'Goldsturm' / Blackeyed Susan	1 gal	buffer
GRASSES				
7	Cl	Chasmanthium latifolium/ N. Sea Oats	1 gal	Bank/ shade
22	Pv	Panicum virgatum ' Northwind' /Switchgrass	2 gal	buffer
20	Sh	Sporobolus heterolepis/ Prairie Dropseed	1 gal	Buffer front

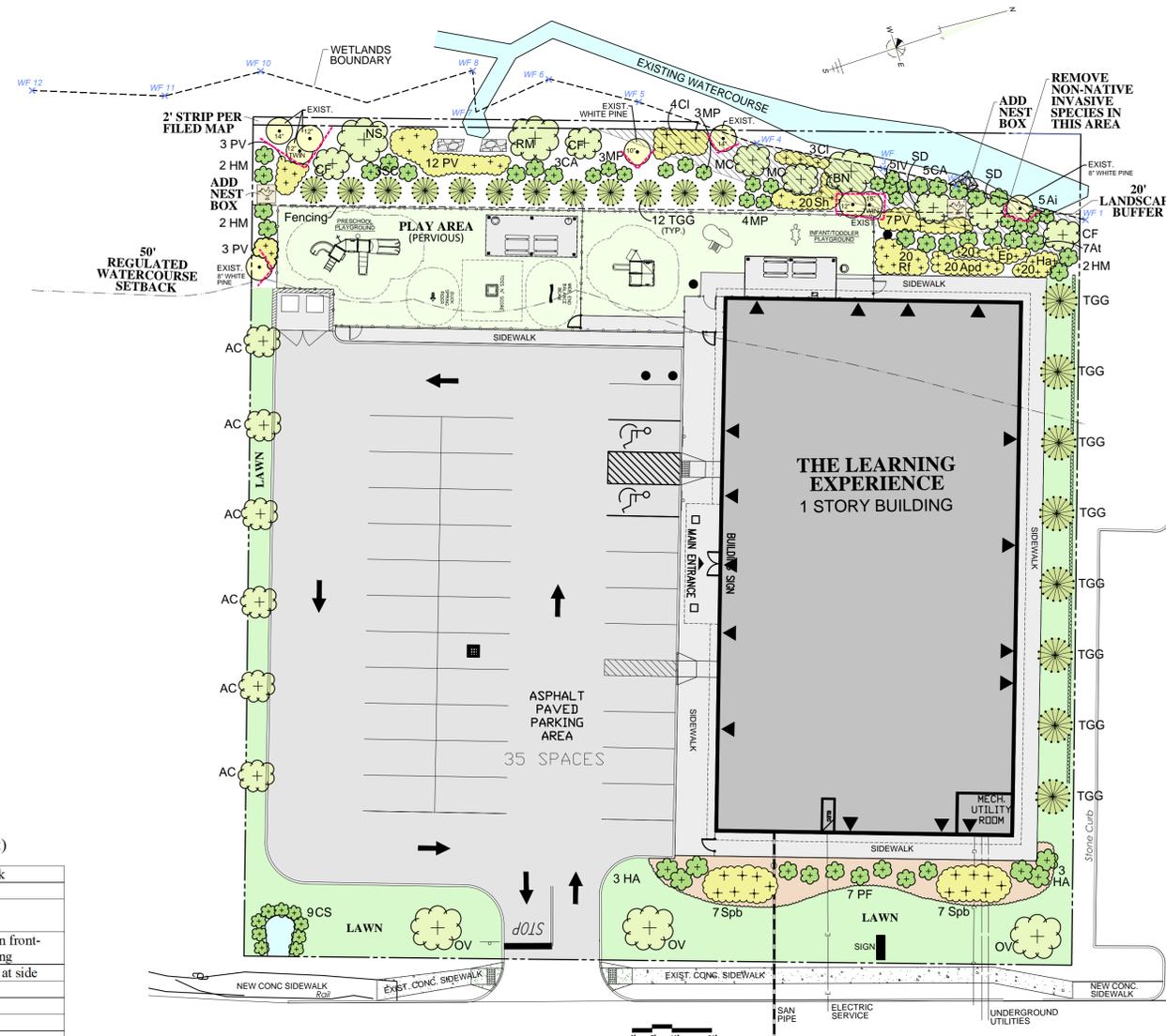
Note: 2 nest boxes proposed on cedar posts
 Note: Provide tree guards on all exposed tree trunks for protection from browse and rub

PLANT LIST for Non Buffer areas (Native and deer resistant)

Quan.	Sym.	Botanical/ Common Name	Size/ Root	Remark
TREES				
6	AC	Amelanchier c. x. 'Autumn Brilliance' / Shadblow	2-2.5" cal./ BB	side
3	OV	Ostrya virginiana / American Hophornbeam	2-2.5" cal./BB	Trees in front-matching
8	TGG	Thuja p. 'Green Giant'	6-7' ht/ BB	Screen at side
SHRUBS				
9	CS	Cornus sericea / Redtwig Dogwood	#3 Cont.	front
7	PF	Potentilla fruticosa ' Goldfinger'	#5 Cont.	Front
6	HA	Hydrangea arborescens ' Incrediball'	#5 cont.	Front
FORBS & GRASSES				
6	Hm	Hibiscus moscheutos / Rose Mallow	2 gal.	Sides
14	Ss	Schizachyrium scoparium / Little Bluestem ' The Blues'	2 gal	front

GENERAL NOTES

1. LANDSCAPE AND WETLAND MITIGATION PLAN FOR PLANTING ONLY.
2. FOR ALL OTHER SITE PLAN INFORMATION, REFER TO DRAWING SET DATED APRIL 27, 2018, PROVIDED BY JARMEL KIZEL ARCHITECTS AND ENGINEERS, INC., TITLED PRELIMINARY/FINAL SITE PLAN THE LEARNING EXPERIENCE, SHEETS 1-11.
3. ALL VEGETATION SHOWN ON THIS PLAN SHALL BE MAINTAINED IN A HEALTHY AND VIGOROUS GROWING CONDITION THROUGHOUT THE DURATION OF THE PROPOSED USE OF THE SITE. ALL VEGETATION NOT SO MAINTAINED SHALL BE REPLACED WITH NEW COMPARABLE VEGETATION AT THE BEGINNING OF THE NEXT GROWING SEASON.
4. EXISTING TREES TO REMAIN, TO BE PROTECTED



DATE	SHEET	REVISION NOTES
09/12/18	L.1	REVISED PLANTINGS, LISTS & NOTES

FOR PERMITTING ONLY
 NOT FOR CONSTRUCTION

LANDSCAPE AND WETLAND MITIGATION PLAN

530 NORTH STATE ROAD BRIARCLIFF MANOR, NY

Date: **08-17-18**

JAY FAIN & ASSOCIATES, LLC
Environmental Consulting Services

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 203-254-3156 - fax: 203-254-3167

Sheet No.: **L.1**

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Architecture
 Engineering
 Interior Design
 Implementation Services

ISSUE			
NO.	DATE	DESCRIPTION	INT.
3	08/20	PLANNING BOARD SUBMISSION	
REVISION			
NO.	DATE	DESCRIPTION	INT.
1	08/20	PER 06/20/18 REVIEW LETTERS	

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DC LIC AR0101849	NY LIC 024673	
DE LIC SS-0007256	OH LIC A-99-12444	
FL LIC AR94034	PA LIC RA-014801-B	
GA LIC RA011484	RI LIC ARC 0004765	
IA LIC 05577	SC LIC AR 9163	
IL LIC 001002069	TN LIC 103850	
MA LIC RA10286	TX LIC 20957	
MD LIC 12662	VA LIC 5401, 014089	
MI LIC 1301052189	VT LIC 2451	
MN LIC 08522	NJ LIC 33J00243100	
NC LIC 08522	NJ LIC 33J00243100	
ND LIC 08522	NJ LIC 33J00243100	
OH LIC 08522	NJ LIC 33J00243100	
OK LIC 08522	NJ LIC 33J00243100	
OR LIC 08522	NJ LIC 33J00243100	
PA LIC 08522	NJ LIC 33J00243100	
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UT LIC 08522	NJ LIC 33J00243100	
VA LIC 08522	NJ LIC 33J00243100	
VT LIC 08522	NJ LIC 33J00243100	
WA LIC 08522	NJ LIC 33J00243100	
WI LIC 08522	NJ LIC 33J00243100	
WV LIC 08522	NJ LIC 33J00243100	
WY LIC 08522	NJ LIC 33J00243100	

Project: **THE LEARNING EXPERIENCE**
 530 NORTH STATE ROAD
 TOWN OF OSSINING
 BRIARCLIFF MANOR, NY
 SECTION 90.15, BLOCK 2, LOT 18

Project No: TLENY-S-17-155 Scale: 1" = 20'-0"

Drawn By: LB Approved By: RAJ

Drawing Name: **LANDSCAPE AND WETLAND MITIGATION PLAN**

Drawing Number: **C-600**

Sheet No. of: **6 12**

Initial Date: MAY 22, 2018

RICHARD A. JARMEL
 PROFESSIONAL ENGINEER
 N.Y. LIC. #073898-1



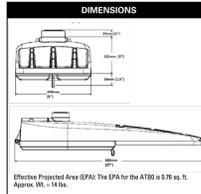
Autobahn Series ATB0 Roadway Lighting

PRODUCT OVERVIEW



Features:
OPTICAL
 Same Light Performance is comparable to 70-200W HPS roadway luminaires.
 White Light: Correlated color temperature - 4000K, 70 CRI minimum, 3000K, 70 CRI minimum or optional 5000K, 70 CRI minimum.
 Unique IP68 rated LED light engines provided 5% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing. Available in Type II, III, IV, and V roadway distributions.
ELECTRICAL
 Expected Life: LED light engines are rated >100,000 hours at 25°C L70. Electronic driver has an expected life of 100,000 hours at a 25°C ambient.
 Lower Energy: Saves an expected 40-60% over comparable HID luminaires.
 Robust Surge Protection: Three different surge protection options provide a minimum of IEEE/ANSI C82.41 Category C (10kV/5kA) protection. 20kV/10kA protection is also available.
MECHANICAL
 Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easily leveling at installation.
 Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 5 (per ASTM D1585) after over 1000 hours exposure to salt fog chamber (operated per ASTM B117). Optional Enhanced Corrosion Resistant finish (ECR) increases the salt spray exposure to over 5000 hours.
 Mast arm must be adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. Provides a 3G vibration rating per ANSI C136.31.
 Wildlife shield is cast into the housing (not a separate piece).
CONTROLS
 NEMA 3 pin photocontrol receptacle is standard, with the Aqualy designed ANSI standard 5 pin and 7 pin receptacles optionally available.
 Premium solid state locking style photocontrol - PCSS (10 year rated life)
 Extreme long life solid state locking style photocontrol - PCLL (20 year rated life)
 Multi-level dimming available to provide scheduled dimming as specified by the customer.
 Optional onboard Adjustable Output module allows the light output and input voltage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.
STANDARDS
 DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Product List at www.designlights.org/DLC to confirm which versions are qualified.
 CSA Certified to U.S. and Canadian standards
 Rated for -40°C to 40°C ambient
 Complies with ANSI: C136.2, C136.10, C136.11, C136.31, C136.15, C136.37

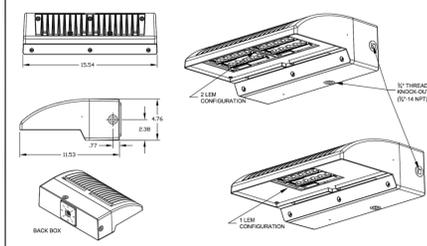
Applications:
 Roadways
 Off ramps
 Residential streets
 Parking lots



Effective Projected Area (EPA): The EPA for the ATB0 is 8.76 sq. ft. Approx. 96" x 14 1/2".

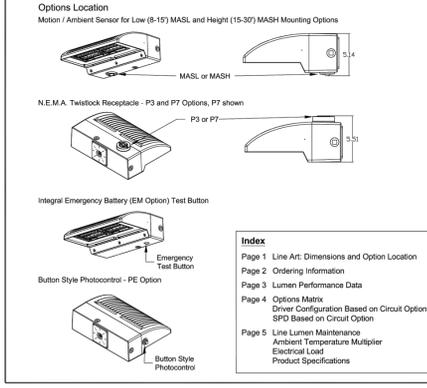


DIMENSIONS



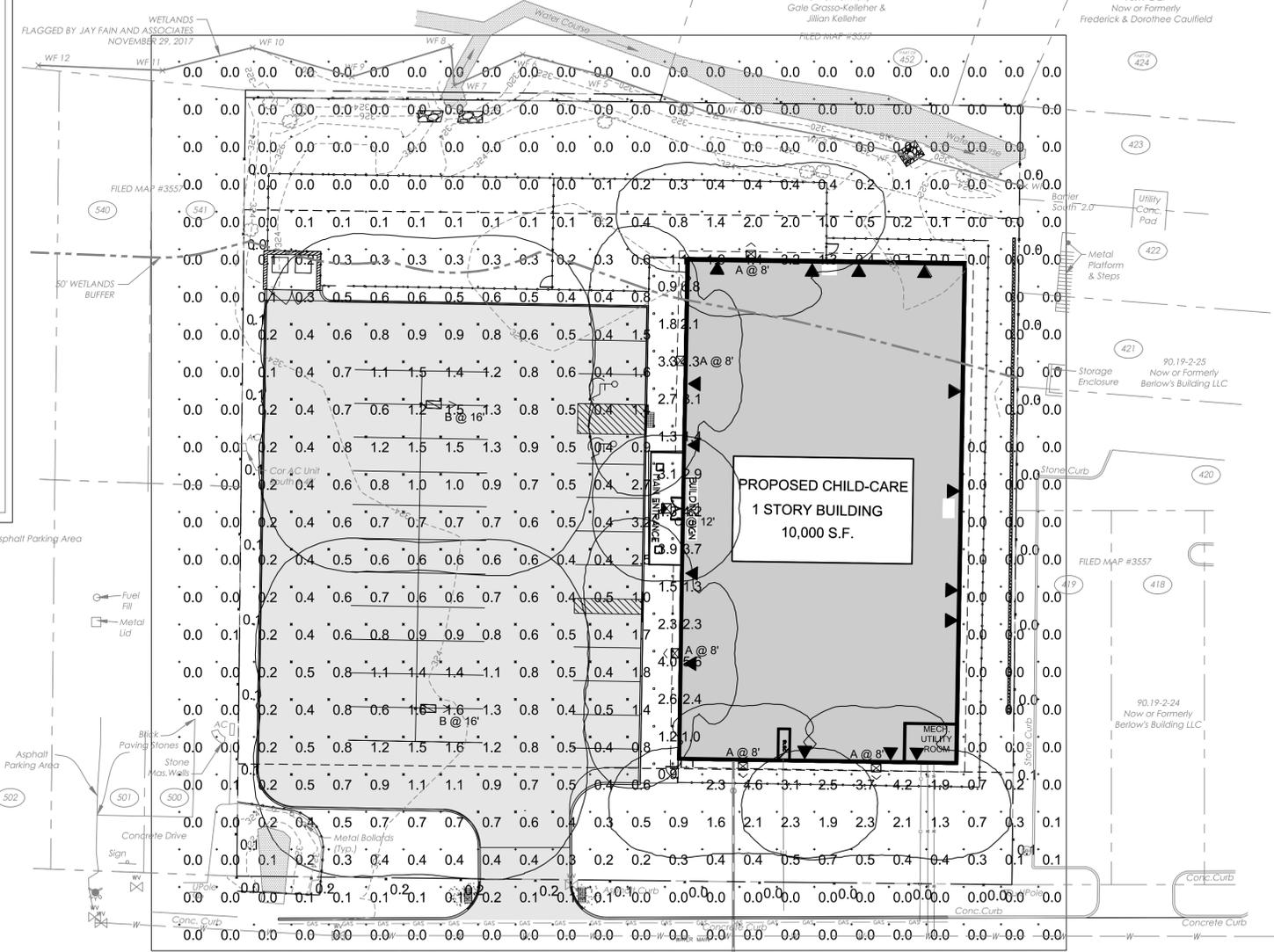
WALLPACK® FULL CUTOFF LED

INFRASTRUCTURE OUTDOOR



Options Location
 Motion / Ambient Sensor for Low (8-15') MASH and Height (15-30') MASH Mounting Options
 NEMA 3 pin photocontrol - P3 and P7 Options, P7 shown
 Integral Emergency Battery (EM Option) Test Button
 Button Style Photocontrol - PE Option

Index
 Page 1 Line Art: Dimensions and Option Location
 Page 2 Ordering Information
 Page 3 Lumen Performance Data
 Page 4 Options Matrix
 Driver Configuration Based on Circuit Option
 SPD Based on Circuit Option
 Page 5 Line Lumen Maintenance
 Ambient Temperature Multiplier
 Electrical Load
 Product Specifications

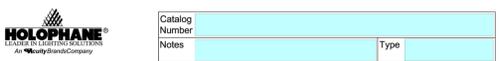


No.	Label	X	Y	Z	MH	Orientation	Tilt
10	A	135.91	30.90	8.00	8.00	180.00	0.00
11	A	171.54	30.40	8.00	8.00	180.00	0.00
12	A	138.06	165.42	8.00	8.00	0.00	0.00
13	A	118.69	59.95	8.00	8.00	270.00	0.00
14	A	120.04	138.02	8.00	8.00	270.00	0.00
17	C	115.39	98.61	12.00	12.00	0.00	0.00
18	B	48.14	45.33	16.00	16.00	91.00	0.00
19	B	49.63	128.39	16.00	16.00	91.12	0.00

1. Readings shown are based on a total LLF of as shown at grade. Data references the extrapolated performance projections in a 25c ambient based on 10,000 hrs of LED testing (per IESNA LM-80-08 and projected per IESNA TM-21-11).
 2. Please refer to the "luminaire locations" for mounting heights.
 3. Product information can be obtained at www.holophane.com or through your local agency.

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Approximate Property Line	✕	0.0 fc	0.2 fc	0.0 fc	N/A	N/A
Parking Lot	◇	0.8 fc	3.2 fc	0.4 fc	8.0:1	2.0:1
Sidewalk	□	2.5 fc	5.6 fc	0.8 fc	7.0:1	3.1:1
SPILL LIGHT SUMMARY	+	0.4 fc	4.6 fc	0.0 fc	N/A	N/A

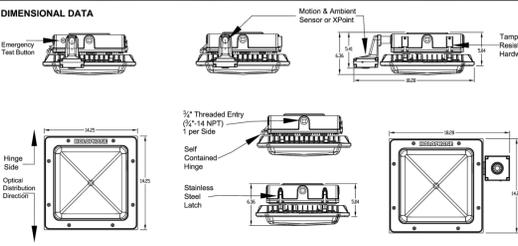
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
⊗	A	5	Holophane	HLWPC2 P10 30K XX T3M	Wallpack Full Cutoff LED, LED Performance Package P10, 3000 series CCT, Voltage, Type III Medium	LED	1	HLWPC2_P10_30K_XX_T3M.ies	2800	0.92	28
⊗	B	2	American Electric Lighting	ATB0 10BLEDE15 XXXXX R5 3K	ATB0 SERIES LED 1500MA TYPE 5 3000K CCT	LED Array	1	ATB0_10BLEDE15_XXXXX_R5_3K.ies	5551	0.97	54
⊗	C	1	Holophane	PPSQL2 P10 30K XX FC T5E	Holophane ParkPak Square LED, LED Performance Package P10, 25W, 3000K CCT, Voltage, Zero uplight, Type V, Entryway	LED	1	PPSQL2_P10_30K_XX_FC_T5E.ies	2928	0.93	25



Parkpak® LED



MECHANICAL SPECIFICATIONS
 Heavy grade ABS cast aluminum or equivalent coated with a superior 3-stage pre-treatment, epoxy basecoat and polyester topcoat yield a finish that achieves a scribe creepage rating of 5 after 5,000 hours of salt spray.
 Mount to a standard junction box.
 Provide a swivel kit for pendant mount applications that is secured by a 1/4 inch square electrical box.
 Web location listed.
 IP68 rating.
 3/8" threaded plug (1/4" NPT) on each side, secures 3/4" x 1/2" standard.
 Vibration rating for surface mount: 3G.
 Vibration rating for pendant mount: 3G to 3.5 feet, excludes swivel kit.
 Pendant mount 1/2" - 1/4" NPT in center of housing.
 Bird shield.
ELECTRICAL SPECIFICATIONS
 Electrical harness for quick and safe disconnect / connect of power and options.
 Certified drivers, UL or CSA.
 Rated for -40°C / -40°F minimum ambient.
 Programmable electronic driver with D-Low control mode.
 Available in: 120-277V 50/60 Hz and 347-480V 50/60 Hz.
 Standard LEDs shall have a minimum of 70 CRI available in 3000K, 4000K and 5000K CCT.
 Optional LEDs shall have a minimum of 80 CRI available in 3000K, 4000K and 5000K CCT (8 week leadtime).
 Internal mounted emergency battery backup for operation in an ambient temperature range from 30°C / 87° to 100°C / 212° for P10 thru P40 performance packages, per IESNA requirements.
 The electrical system shall be designed to meet ANSIS/IEEE C82.41 and shall have a 20kV/5kA SPD.



Holophane | 3801 Columbus Rd., Granville, OH 43023 | Phone: 614.883.0100 | www.holophane.com
 ©2014-2017 Aqualy Brands Lighting, Inc. All rights reserved. Rev. 04/05/2016. Specifications are subject to change without notice.

- NOTES:**
- ALL LIGHTING SHOWN ON THIS PLAN SHALL BE DIRECTED AND/OR SHIELDED SO AS TO PRECLUDE OBJECTIONABLE CLARE FROM BEING OBSERVABLE FROM ADJOINING STREETS AND PROPERTIES.
 - THE OUTDOOR LIGHTS SHALL BE LED AND SHALL NOT BE INCANDESCENT OR HALOGEN.
 - THE OUTDOOR LIGHTS SHALL BE ON MOTION SENSORS FROM DUSK UNTIL DAWN AND SHALL NOT BE ON UNLESS MOTION ACTIVATED.
 - THE COLOR TEMPERATURE OF THE OUTDOOR LIGHTING SHALL BE LESS THAN OR EQUAL TO 3,000 DEGREES KELVIN.



Jarmel Kizel
 ARCHITECTS AND ENGINEERS, INC.
 42 OKNER PARKWAY
 LIVINGSTON, NEW JERSEY 07039
 TEL: 973-994-9669
 FAX: 973-994-4069
 www.jarmelkizel.com

Architecture
 Engineering
 Interior Design
 Implementation Services

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1.	5.23.18	INITIAL SUBMISSION	GPG
2.	6.28.18	REVISED PLAY AREA 20' BUFFER	GPG
3.	8.20.18	PLANNING BOARD SUBMISSION	GPG
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PRINCIPALS
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 FL LIC ARF4034
 GA LIC 04011484
 IA LIC 00537
 IL LIC 001 000069
 MD LIC 4810296
 MI LIC 1201002189
 MO LIC 0202189
 NJ LIC 21400794200
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THE LEARNING EXPERIENCE
 530 NORTH STATE ROAD
 TOWN OF OSSING
 BRIARCLIFF MANOR, NY
 SECTION 90.15, BLOCK 2, LOT 18

Project No: **TLENY-S-17-155** Scale: **1" = 20'**

Drawn By: **LB** Approved By: **RAJ**

LIGHTING PLAN

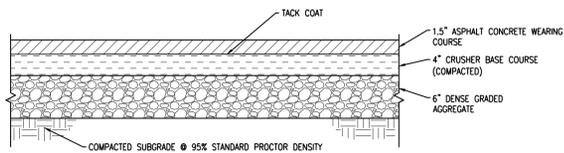
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Sheet No: **7** of **12**

Initial Date: **APRIL 27, 2018**

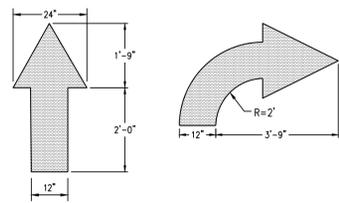
RICHARD A. JARMEL
 PROFESSIONAL ENGINEER
 N.Y. LIC. #073898-1

S:\PROJECTS\TLENY-S-17-155 TLE OSSING\NY\CADD\17-155-C-650 LIGHTING.DWG CGESARIO PLOTTED: 09/20/2018



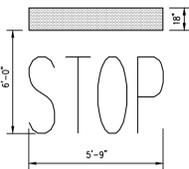
- NOTES:
1. ALL WORK WITHIN THE NASSAU COUNTY RIGHT-OF-WAY SHALL CONFORM TO NASSAU COUNTY RULES AND REGULATIONS.
 2. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TOWN OF OYSTER BAY CONTRACT SPECIFICATIONS, AMENDED JANUARY 2000.
 3. THE 4 INCHES OF CRUSHER BASE COURSE SHALL CONSIST OF FINE PARTICLES SMALLER THAN 1" SIZE PRODUCED AT THE CRUSHING PLANT FROM CRUSHED TRAP ROCK OR DOLOMITE. RUN OF CRUSHER SHALL MEET THE REQUIREMENTS OF THE GENERAL SPECIFICATIONS, NON-METALLIC MATERIALS.
 4. THE 1 1/2 INCHES OF ASPHALT CONCRETE WEARING COURSE SHALL CONSIST OF ASPHALT CONCRETE TYPE 1 AC.

ASPHALT PAVEMENT SECTION
N.T.S.



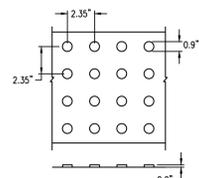
- NOTES:
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 2. THESE TRAFFIC FLOW ARROWS SHALL BE PAINTED REFLECTIVE YELLOW.

TRAFFIC FLOW ARROWS
N.T.S.



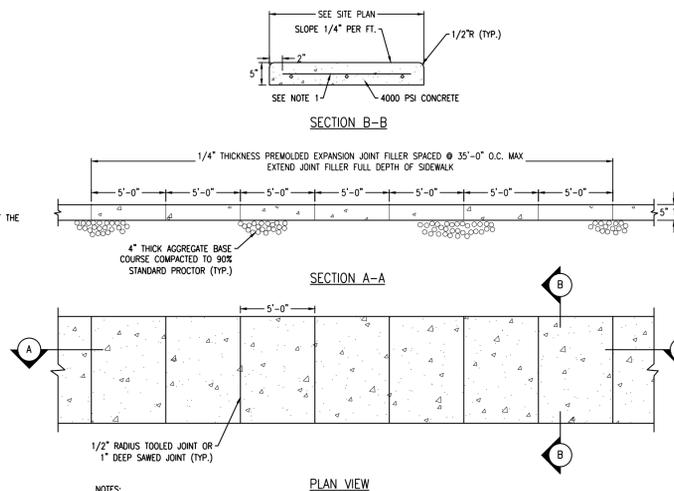
- NOTES:
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 2. THESE WORDS AND BAR ARE TO BE PAINTED REFLECTIVE WHITE.

STOP BAR DETAIL
N.T.S.



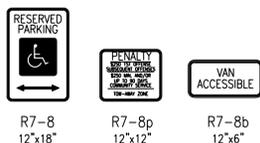
- NOTES:
1. A 24" WIDE TACTILE PATTERN OF RAISED TRUNCATED DOMES SHALL BE PROVIDED ON THE WALKING SURFACE AT THE PLATFORM EDGE.
 2. DOMES SHALL HAVE A DIAMETER OF 0.9", A HEIGHT OF 0.2", AND A CENTER-TO-CENTER SPACING OF 2.35".
 3. MATERIAL SHALL BE NEENAH FOUNDRY CAST IN PLACE STEEL DETECTABLE PLATES (COLOR-RED).

DETECTABLE WARNING SURFACE
N.T.S.



- NOTES:
1. ALL WORK WITHIN THE NASSAU COUNTY RIGHT-OF-WAY SHALL CONFORM TO NASSAU COUNTY RULES AND REGULATIONS.
 2. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TOWN OF OYSTER BAY CONTRACT SPECIFICATIONS, AMENDED JANUARY 2000.
 3. CONCRETE SIDEWALK SHALL CONSIST OF ONE PART PORTLAND CEMENT TYPE III, ONE AND ONE HALF PARTS OF FINE AGGREGATE AND THREE PARTS OF COARSE AGGREGATE (EITHER BROKEN STONE OR SCREENED GRAVEL) SIZE NUMBER 3 (1").
 4. NO. 3 BARS 24" O.C. EACH WAY MAX. SPACING, OR 6 x 6 - #1.4 x #1.4 WWF

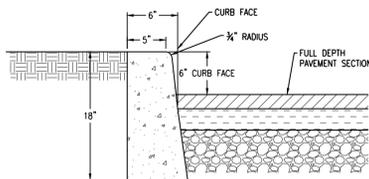
CONCRETE SIDEWALK
N.T.S.



- NOTES:
1. ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
 2. ALL POSTS AND BRACKETS SHALL BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING, WHICH SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATION A 123
 3. INSTALLATION, DIMENSIONS, COLOR, AND DETAILS OF VARIOUS SIZED SIGNS, SHIELDS, AND ACCESSORY PANELS TO FOLLOW STANDARDS IN THE CURRENT "STANDARD HIGHWAY SIGNS PUBLICATION" AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"

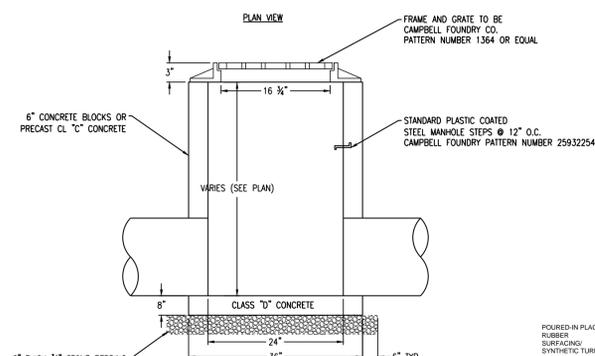
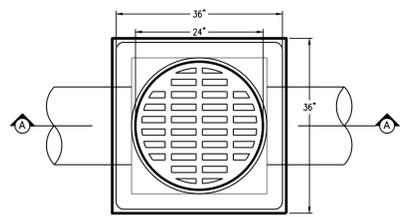
- SIGN FACE:
1. LETTERS, SYMBOLS AND BORDERS SHALL BE REFLECTORIZED.
 2. ALL LETTERING SHALL BE UPPER CASE LETTERS OF THE TYPE APPROVED BY THE JOINT COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.
 3. ALL LETTERS SHALL BE SERIES "C" ALPHABET IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

SIGN MOUNTING DETAIL
N.T.S.

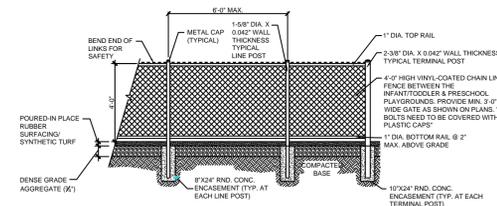


- NOTES:
1. CONCRETE TO TEST 4000 PSI MINIMUM ON 28 DAY DAY TEST, AIR ENTRAINMENT 4% TO 7%, SLUMP TO BE 3" MAX.
 2. TRANSVERSE JOINTS 24" WIDE SHALL BE INSTALLED IN THE CURB 20-FT APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS JOINT FILLER.
 3. EXPOSED CONCRETE SURFACE IS TO BE RUBBED TO PROVIDE SMOOTH FINISHED SURFACE.

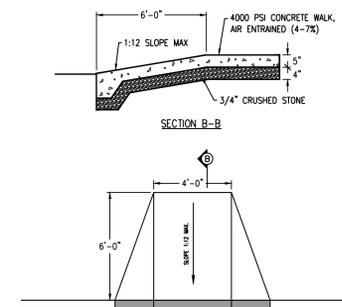
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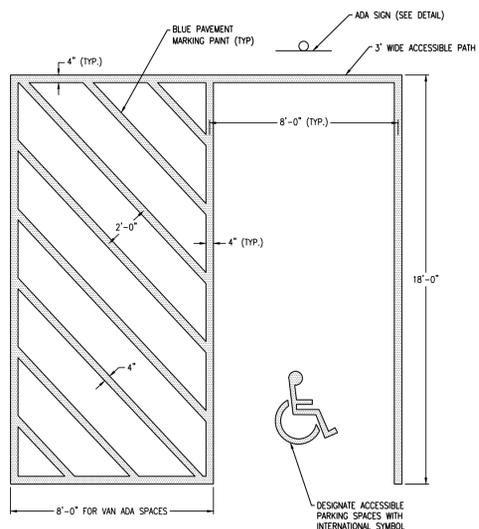
FIELD INLET
N.T.S.



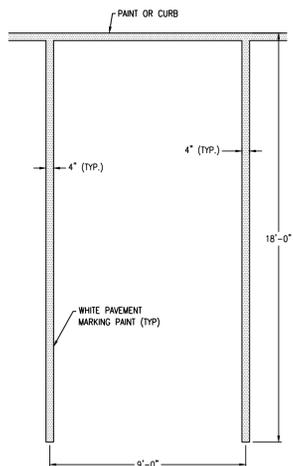
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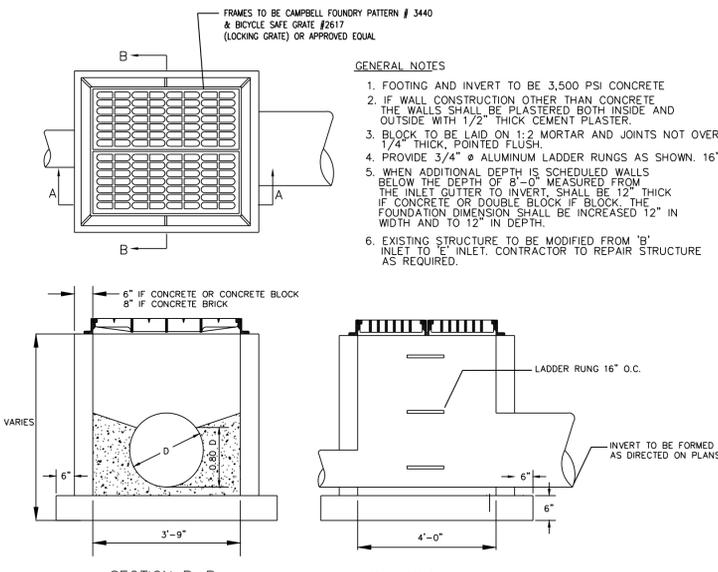
HANDICAP CURB AT SIDEWALK
N.T.S.



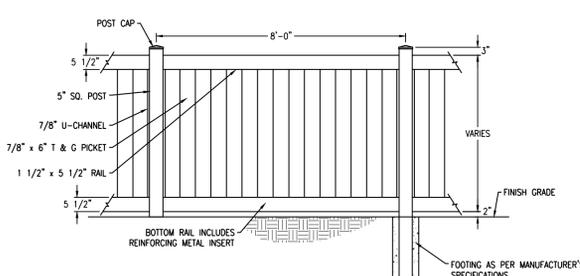
ADA PARKING SPACE STRIPING
N.T.S.



STANDARD PARKING SPACE STRIPING
N.T.S.



TYPE \"/>



- NOTES:
1. FENCE TO BE 'LEGEND VINYL SERIES' PRIVACY STYLE FENCE, WHITE COLOR, BY MASTER HALCO, OR APPROVED EQUIVALENT.
 2. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS.
 3. FOOTING AS PER MANUFACTURER'S SPECIFICATION.

SOLID VINYL FENCE DETAIL
N.T.S.

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ISSUE

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1.	5.23.18	INITIAL SUBMISSION	GPG
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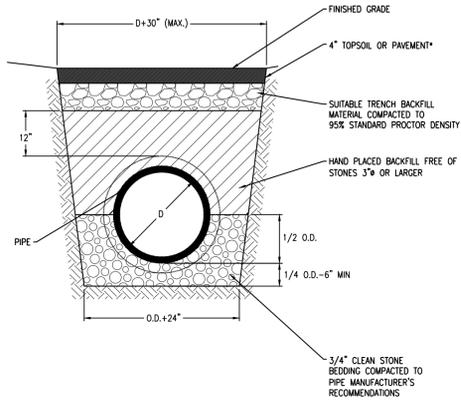
NJ State Board of Architectural Registration No. 161
NY State Board of Architectural Registration No. 161

Project: **THE LEARNING EXPERIENCE**
530 NORTH STATE ROAD
TOWN OF OSSING
BRIARCLIFF MANOR, NY
SECTION 90.15, BLOCK 2, LOT 18

Project No:	Scale:	AS NOTED
Drawn By:	Approved By:	GPG
Drawing Name:		

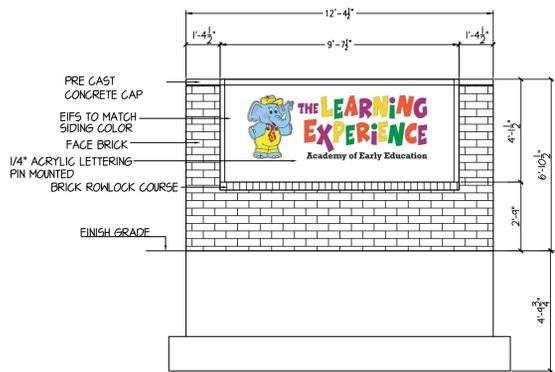
DETAIL SHEET

Drawing Number:	C-900
Sheet No. of:	9 12
Initial Date:	APRIL 27, 2018
	RICHARD A. JARMEL PROFESSIONAL ENGINEER N.Y. LIC. #073898-1

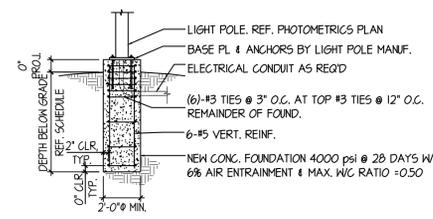
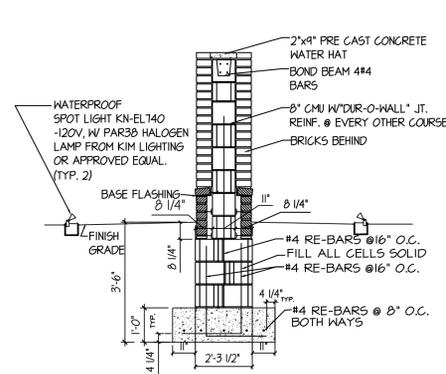


GENERAL NOTE:
1. ALL BACKFILL UNDER PAVEMENT SHALL BE TYPE 1-2 SELECT MATERIAL OR SA BASE COURSE MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY.

TRENCH/BACKFILL SECTION
N.T.S.



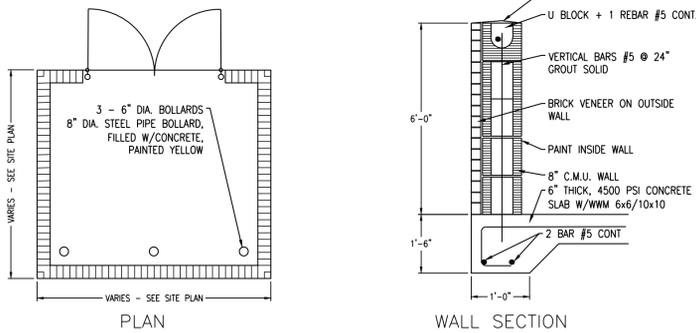
TLE MONUMENT SIGN
N.T.S.



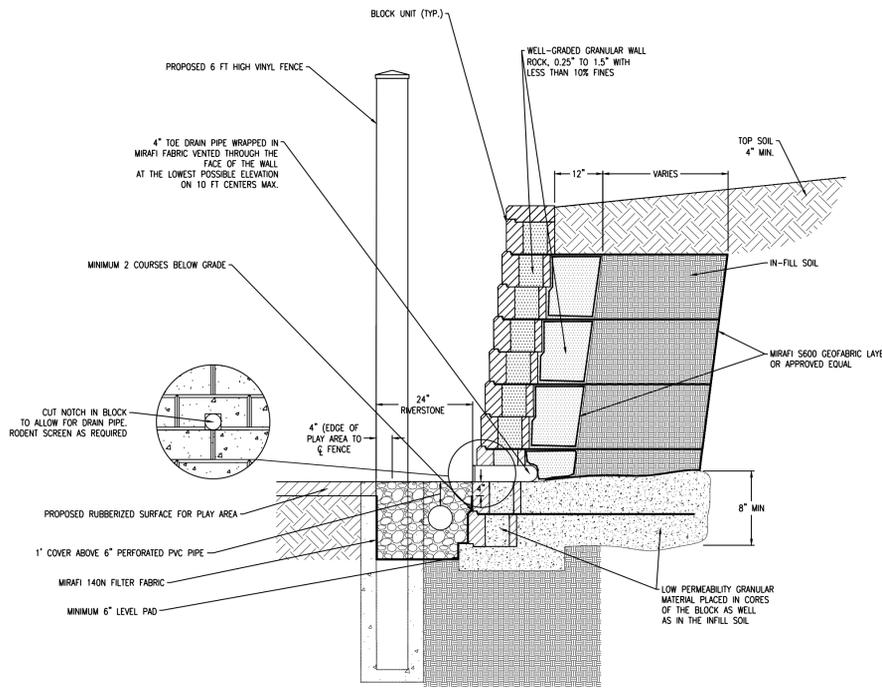
LIGHT POLE FOUNDATION DEPTH PER WIND ANALYSIS		
WIND SPEED (ASCE 7-10)	WIND SPEED (ASCE 7-05)	FND. DEPTH
110 TO 140 MPH	85 TO 120 MPH	5'-6"
150 TO 180 MPH	130 TO 150 MPH	6'-6"

NOTE: REFER TO STRUCTURAL DRAWINGS FOR APPLICABLE WIND SPEED.

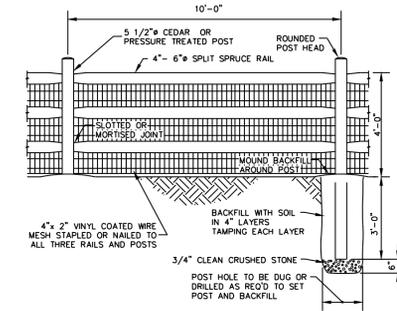
LIGHT POLE FOUNDATION
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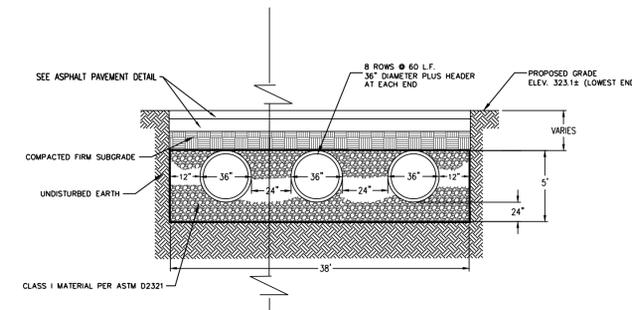
DUMPSTER ENCLOSURE
N.T.S.



TYPICAL BLOCK WALL DETAIL
N.T.S.



SPLIT RAIL FENCE WITH WIRE MESH
N.T.S.



NOTES:
1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TOWN OF OYSTER BAY CONTRACT SPECIFICATIONS, AMENDED JANUARY 2000.
2. ALL DETENTION AND RETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM 2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
3. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.

UNDERGROUND INFILTRATION SYSTEM
N.T.S.

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Implementation Services

ISSUE

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 DC LIC ARC101849
 DE LIC SS-0007556
 FL LIC APR4034
 GA LIC 84811484
 IA LIC 05537
 IL LIC 001-000069
 MD LIC ARS10296
 MI LIC 1201022189
 NJ LIC 18632
 NY LIC 21400794950
 PA LIC 2380243100
 RI LIC 37491
 TN LIC 07482
 VA LIC REC02600
 WA LIC 50410
 TX LIC 122822

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 NY LIC 07482
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 NJ LIC CE03555
GERARD P. GESARIO, PE
 NJ LIC 2141618294
FREDERICK KINCAID, RA
 NJ LIC AR6883
JEROME LESLIE EBEL, PA, PP
 NJ LIC 019151
CHERYL SCHWIEBER, AIA
 NJ LIC 21400389000
 PA LIC RA409727

Project: **THE LEARNING EXPERIENCE**
530 NORTH STATE ROAD
TOWN OF OSSINING
BIARCLIFF MANOR, NY
SECTION 90.15, BLOCK 2, LOT 18

Project No: **TLENY-S-17-155** Scale: **AS NOTED**

Drawn By: **LB** Approved By: **CKPG**

Drawing Name:

DETAIL SHEET

Drawing Number: **C-901**

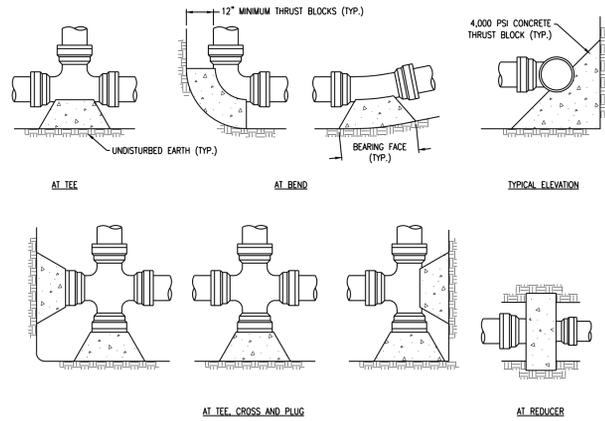
Sheet No: **10** of: **12**

Initial Date: **APRIL 27, 2018**

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 PROFESSIONAL ENGINEER
 N.Y. LIC. #073898-1

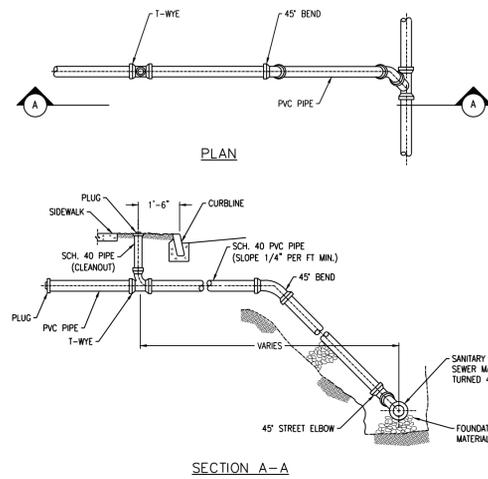
S:\PROJECTS\TLENY-S-17-155 TLE OSSINING NY\CAD\17-155 C-901 DETAIL.DWG GGESARIO PLOTTED: 09/20/2018

PIPE SIZE	BEND				TEE PLUG	REDUCER	
	90°	45°	22-1/2°	11-1/4°		SIZE	AREA
4" - 6"	4	2.5	1.5	1	3	6" x 4"	2
8"	7	4	2	1	5	8" x 6"	2.5
12"	14.5	8	4	2	10.5	12" x 8"	5.5



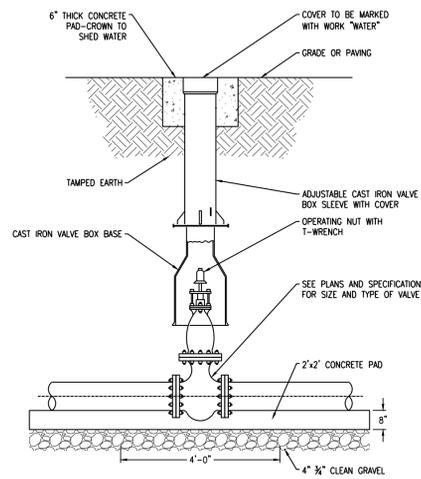
- NOTES:**
- SPECIAL DESIGN IS REQUIRED FOR FITTINGS ON DOMESTIC WATER MAIN PIPE LARGER THAN 12 INCHES.
 - THRUST BLOCK IS TO BE POURED AGAINST UNDISTURBED EARTH. WIDTH OF THRUST BLOCK SHOULD BE APPROXIMATELY TWICE HEIGHT.
 - THRUST BLOCK IS TO BE INSTALLED AT ALL BENDS, PLUGS, TEES, AND TAPPING SLEEVE AND VALVE CONNECTIONS.
 - FACTORY CAST OFFSETS ARE TO BE TREATED AS (2) 45 DEGREE BENDS.
 - FOR REDUCERS, THRUST BLOCK IS TO BE KEED INTO WALLS AND BOTTOM OF TRENCH.
 - MECHANICAL RESTRAINT IS REQUIRED IN ADDITION TO THRUST BLOCK.
 - WOOD BLOCKING IS NOT PERMITTED.

THRUST BLOCK DETAILS
N.T.S.

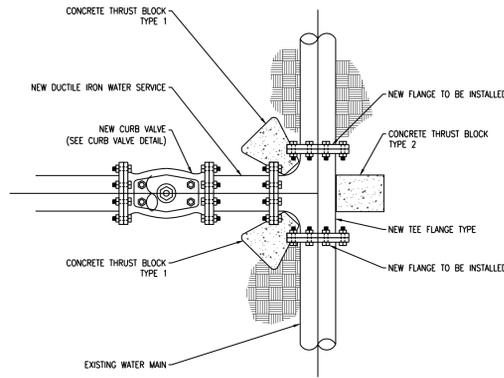


- GENERAL NOTES:**
- ALL COUPLINGS, PLUGS, SOIL PIPES & CAPS TO BE STANDARD FOR TYPE OF PIPE USED, INSTALLATION TO BE WATERTIGHT.
 - HOUSE CONNECTIONS ARE TO BE 6" P.V.C.
 - ALL PLUG THREADS SHALL BE GREASED AT TIME OF INSTALLATION.
 - MINIMUM DEPTH OF COVER ON SANITARY SEWER MAINS SHALL BE 5 FEET.
 - POLYVINYL CHLORIDE PIPE AND FITTINGS FOR HOUSE LATERALS SHALL CONFORM TO A.S.T.M. D-3034.

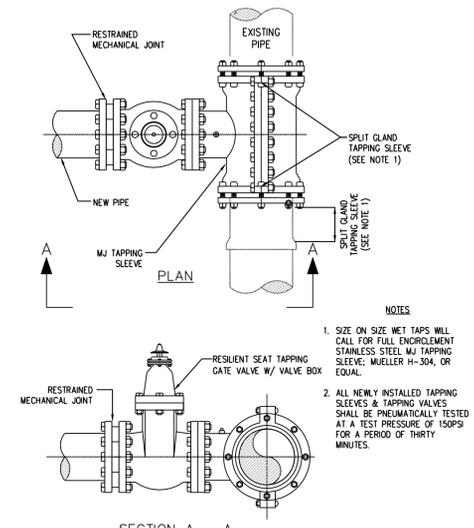
SANITARY SEWER BUILDING CONNECTION
N.T.S.



CURB VALVE DETAIL
N.T.S.

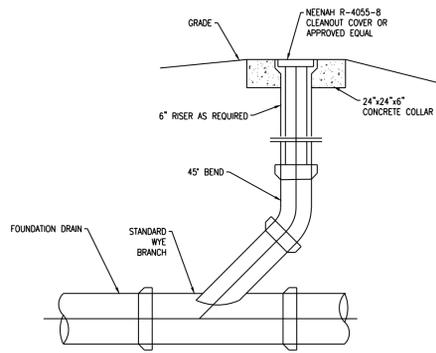


WATER MAIN CONNECTION DETAIL
N.T.S.

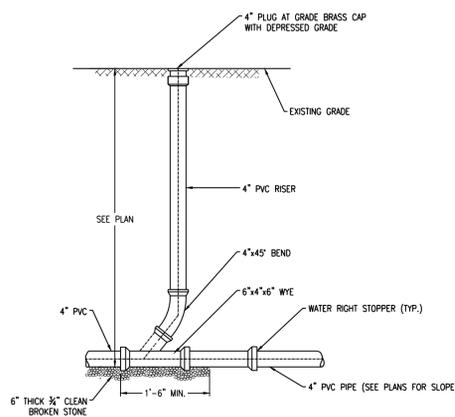


SECTION A - A
WET TAP TIE-IN DETAIL
N.T.S.

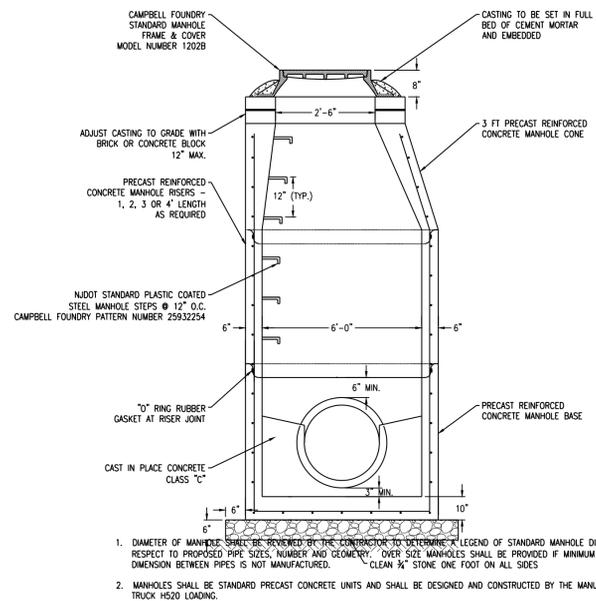
- NOTES:**
- SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENDORSEMENT STAINLESS STEEL MU TAPPING SLEEVE, MUELLER H-304, OR EQUAL.
 - ALL NEWLY INSTALLED TAPPING SLEEVES & TAPPING VALVES SHALL BE PNEUMATICALLY TESTED AT A TEST PRESSURE OF 150PSI FOR A PERIOD OF THIRTY MINUTES.



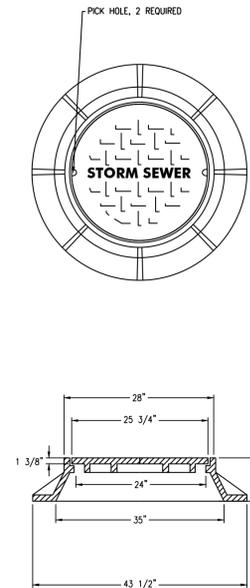
STORM CLEANOUT
N.T.S.



SANITARY CLEANOUT
N.T.S.



STORM MANHOLE
N.T.S.



MANHOLE FRAME AND COVER
N.T.S.

Jarmel Kizel
ARCHITECTS AND ENGINEERS INC.
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TEL: 973-994-9669
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www.jarmelkizel.com

Architecture
Engineering
Interior Design
Implementation Services

ISSUE			
NO.	DATE	DESCRIPTION	INT.
1.	5.23.18	INITIAL SUBMISSION	GPG
2.	6.28.18	REVISED PLAY AREA 20' BUFFER	GPG
3.	8.20.18	PLANNING BOARD SUBMISSION	GPG
4.	9.20.18	PLANNING BOARD SUBMISSION	GPG

REVISION			
NO.	DATE	DESCRIPTION	INT.
1	9.20.18	PER 9/5/18 PB MEETING	GPG

PRINCIPALS	
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CHELYN SCHWENKER, AIA	

N.J. State Board of Architects Registration No. 161
N.J. State Board of Engineers & Land Surveyors Registration No. GA-278177

Project: THE LEARNING EXPERIENCE 530 NORTH STATE ROAD TOWN OF OSSING BRIARCLIFF MANOR, NY SECTION 90.15, BLOCK 2, LOT 18	
Project No: TNY-S-17-155	Scale: AS NOTED
Drawn By: LB	Approved By: RAJ

Drawing Name:

DETAIL SHEET

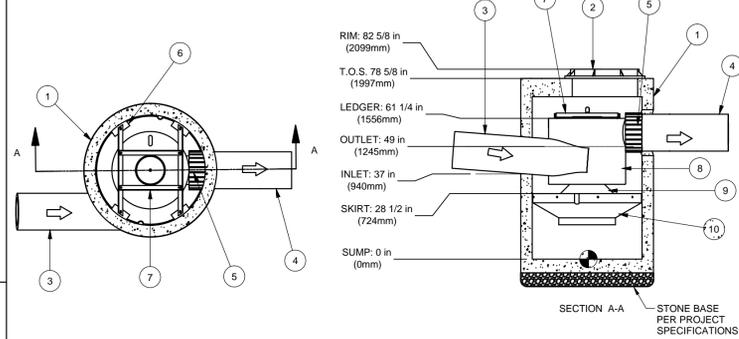
Drawing Number: **C-902**

Sheet No. of: **11 12**

Initial Date: **APRIL 27, 2018**

RICHARD A. JARMEL
PROFESSIONAL
ENGINEER
N.Y. LIC. #073898-1

NOT FOR CONSTRUCTION - CONTACT HYDRO INTERNATIONAL FOR SITE SPECIFIC DRAWINGS



Notes
 1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
 2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING DOWNSTREAM DEFENDER MANHOLE.
 3. TYPICALLY DOWNSTREAM DEFENDERS WILL BE DELIVERED TO THE PROJECT SITE WITH A TOP SLAB ELEVATION 12" BELOW FINISHED GRADE. PURCHASER SHALL BE RESPONSIBLE FOR GRADE RINGS OR BLOCK AND MORTAR NECESSARY TO MEET FINAL GRADE.

REVISION HISTORY

REV	BY	DATE	DESCRIPTION
A	JLL	8/8/12	Added Note 3

Date: 9/14/2011 Scale: 5/16" = 1'-0"

Drawn: EMH Checked: MRJ Approved: MRJ
 Title: 4-FT (1.22m) DIAMETER DOWNSTREAM DEFENDER

GENERAL ARRANGEMENT



Stormwater Solutions
 94 Hutchins Drive
 Portland, Maine 04102
 Tel: (207) 756-6200
 Fax: (207) 756-6212
 stormwaterinquiry@hydro-int.com

CAD Ref: D4GA-SI
 Project No.
 Drawing No. D4GA-SI Rev. A

Parts List

ITEM	DESCRIPTION	SIZE
1	PRECAST MANHOLE (BY HYDRO VIA PRECASTER)	48 in
2	FRAME AND COVER	30 in
3	INLET PIPE (BY OTHERS) *	12 in
4	OUTLET PIPE (BY OTHERS) *	12 in
5	PIPE COUPLING (BY OTHERS)	
6	LEDGER ANGLE	
7	SUPPORT FRAME	
8	DIP PLATE	
9	CENTER SHAFT AND CONE	
10	BENCHING SKIRT	

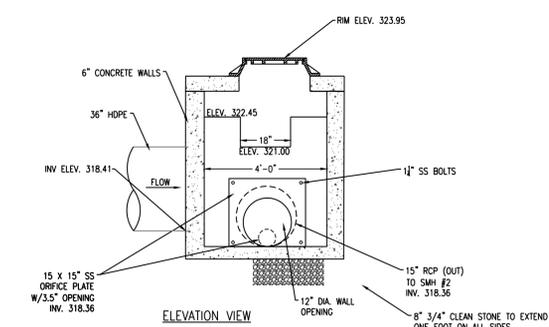
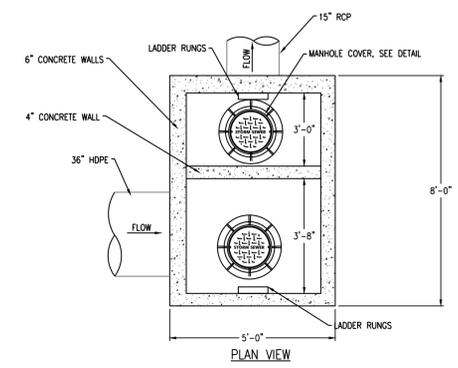
CAPACITIES:
 1. Peak treatment flow: 3.0 cfs (85 l/s)
 2. Sediment storage capacity: 0.70 Cu. yd. (0.54 cu. m.)
 3. Oil storage capacity: 70 Gal. (265 liters)

ADDITIONAL DESIGN INFORMATION:
 1. The outlet pipe stub (not shown) is a roto-molded product with an I.D. of 12 in. that cannot be modified. To avoid the use of a reducer or expander on the outlet a 12 in. outlet pipe should be used if possible. The orientation of the outlet pipe can be adjusted to suit site conditions.
 2. Maximum pipe size is 12 in. The inlet pipe invert should be placed one inlet pipe diameter below the outlet pipe invert. The I.D. of the inlet pipe should be placed tangent to the I.D. of the manhole. The orientation of the inlet pipe can be adjusted to suit site conditions. Headloss at 3.0 cfs with a 12 in. inlet: 8 in. (203 mm). Headloss will increase with smaller inlet pipes.
 3. Sediment shall be stored in a zone that is isolated from the main flow path and protected from re-entrainment by the benching skirt.
 4. Dimensions are general and intended for guidance only.

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FIRST DEFENSE WATER QUALITY STRUCTURE

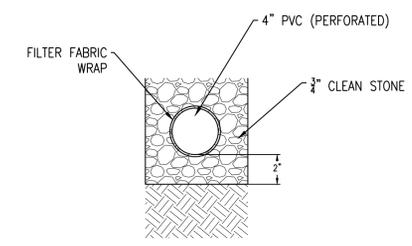
N.T.S.



NOTES:
 1. OUTLET CONTROL STRUCTURE SHALL BE MADE OF CONCRETE BLOCK WITH MORTAR PARING, OR REINFORCED PRECAST CONCRETE. CONTRACTOR SHALL PROVIDE SUBMITTAL OF SAME PRIOR TO CONSTRUCTION.

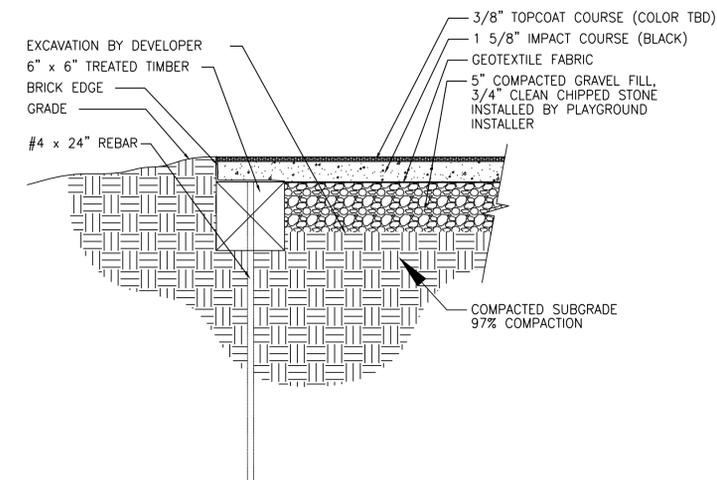
BELOW GRADE OUTLET CONTROL STRUCTURE

N.T.S.



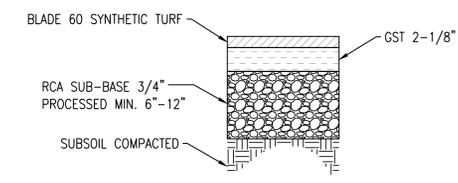
PERFORATED PIPE DETAIL

N.T.S.



POUR IN PLACE RUBBER PLAYGROUND SURFACING DETAIL

N.T.S.



SYNTHETIC TURF

N.T.S.

NOTE: INFILL SHALL BE GREEN SUPERFILL 12/20 SILICA SAND

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 LIVINGSTON, NEW JERSEY 07039
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 Engineering
 Interior Design
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IRWIN H. KIZEL, AIA, PP	NJ LIC: 08022	
RICHARD A. JARMEI, PE	NJ LIC: 37491 AZ LIC: 27486 CA LIC: 027886 PA LIC: REC03060 RI LIC: 05416 TX LIC: 123822	
ASSOCIATES	NJ LIC: CE45511 PA LIC: PE08819 NY LIC: A13231 NY LIC: 024719 PA LIC: RA-405081 NY LIC: 036993 NY LIC: CE038255 NJ LIC: 2141618294 NJ LIC: A18883 NY LIC: 019151 NJ LIC: 21400309000 PA LIC: RA407927	

N.J. State Board of Architects, Registration No. 161
 N.J. State Board of Engineers & Land Surveyors, Registration No. GA-278177

Project: **THE LEARNING EXPERIENCE**
 530 NORTH STATE ROAD
 TOWN OF OSSING
 BRIARCLIFF MANOR, NY
 SECTION 90.15, BLOCK 2, LOT 18

Project No: TLENY-S-17-155 Scale: AS NOTED
 Drawn By: LB Approved By: RAJ

Drawing Name:

DETAIL SHEET

Drawing Number: **C-903**
 Sheet No. of: **12 12**
 Initial Date: **SEPTEMBER 20, 2018**
 Signature: *Richard A. Jarmel*
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 N.Y. LIC. #073898-1