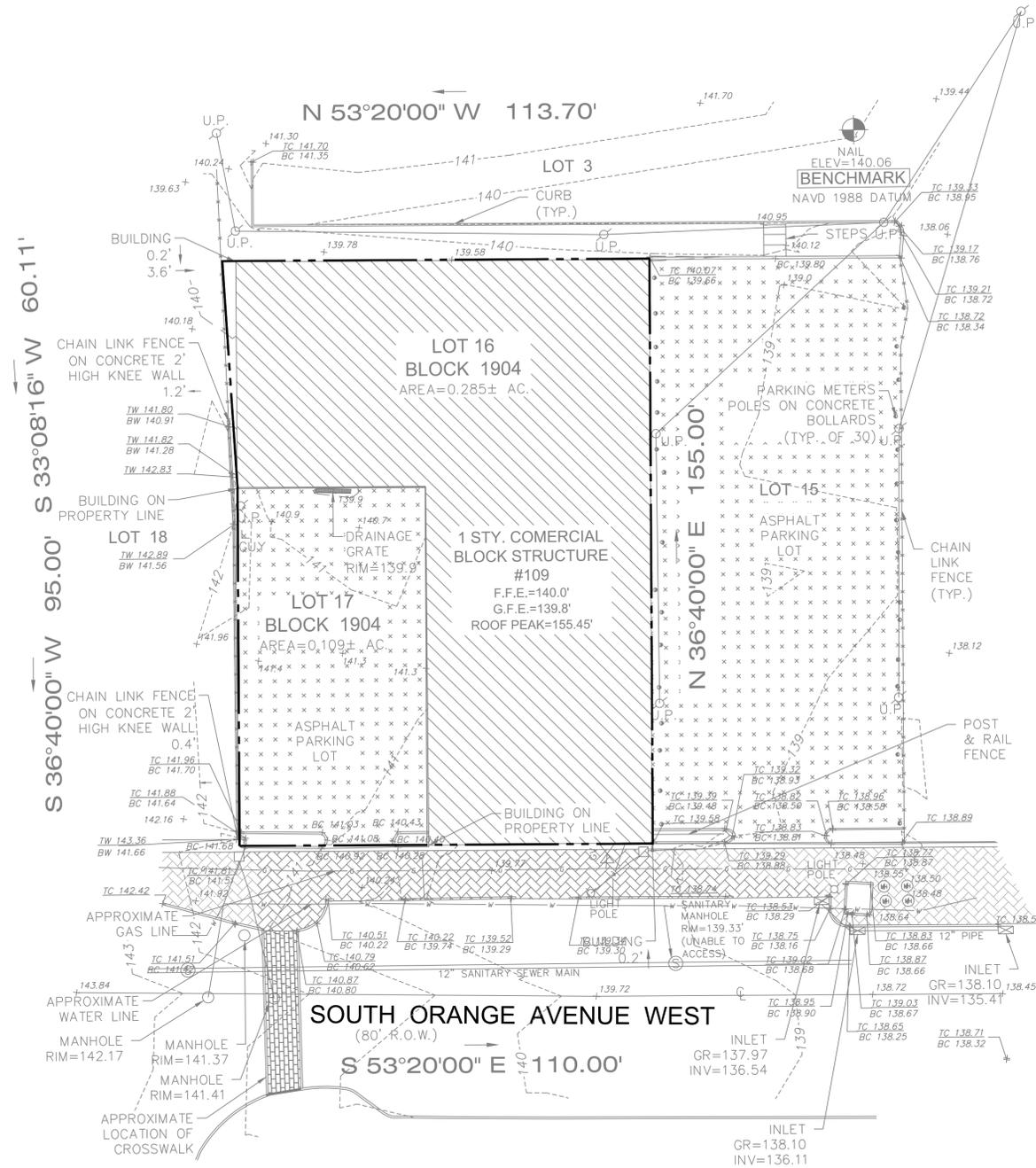


EXISTING CONDITIONS NOTE:

- BOUNDARY & TOPOGRAPHY INFORMATION IS BASED ON A SURVEY TITLED "TOPOGRAPHIC SURVEY OF PROPERTY, LOT NO.16&17, BLOCK 1904, TOWNSHIP OF SOUTH ORANGE VILLAGE, COUNTY OF ESSEX, NEW JERSEY" BY MORGAN ENGINEERING & SURVEYING DATED 2/5/2017.



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REVISION			
NO.	DATE	DESCRIPTION	INT.

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Project: THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17

Project No: TLENJ-S-17-264
Scale: 1" = 20'

Drawn By: LB
Approved By: GPG

Drawing Name: EXISTING CONDITIONS PLAN

Drawing Number: C-100

Sheet No. of: 2 12

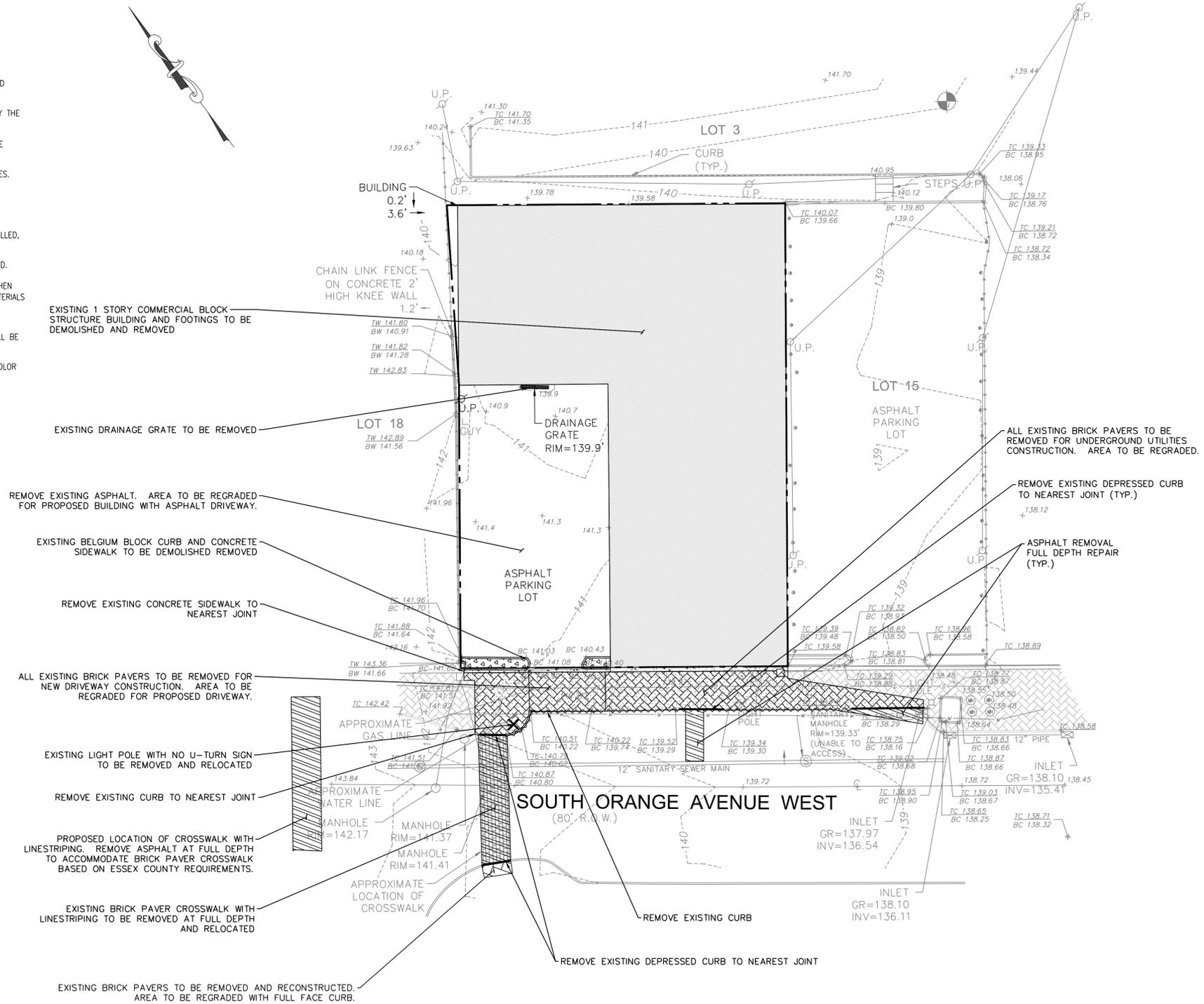
Initial Date: JANUARY 3, 2019
GERARDO P. GESARIO
PROFESSIONAL ENGINEER
N.J. LIC. #GE038255



S:\PROJECTS\TLENJ-S-17-264-TLE SOUTH ORANGE VILLAGE\17-264-C-100 EXISTING PLAN.DWG PLOTTED: 04/16/2019

DEMOLITION NOTES:

- BOUNDARY & TOPOGRAPHY INFORMATION IS BASED ON A SURVEY TITLED "TOPOGRAPHIC SURVEY OF PROPERTY, LOT NO.16&17, BLOCK 1904, TOWNSHIP OF SOUTH ORANGE VILLAGE, COUNTY OF ESSEX, NEW JERSEY" BY MORGAN ENGINEERING & SURVEYING DATED 2/5/2017.
- THE GENERAL 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 GENERAL 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. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY DISCONNECTS OF THE EXISTING UTILITY AND RECONNECTION SHALL BE INCLUDED.
- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AS REQUIRED PRIOR TO START OF DEMOLITION.
- GENERAL CONTRACTOR IS DESIGNATED TO MAKE REMOVALS AND DISPOSAL OF THE MATERIALS IS HIS RESPONSIBILITY.
- GENERAL CONTRACTOR SHALL KEEP THE PROJECT SITE FREE OF DEBRIS AND MAKE FINAL CLEAN UP TO THE SATISFACTION OF THE OWNER.
- GENERAL 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 GENERAL 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 GENERAL 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 THEIR EXPENSE.
- GENERAL 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 IN WRITING IMMEDIATELY.
- GENERAL 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 ADJACENT SITES, ROW, PUBLIC OR PRIVATE STREET.
- GENERAL CONTRACTOR SHALL REDUCE THE AIRBORNE DUST DURING THE DEMOLITION AND MAINTAIN EROSION CONTROL DEVICES AS REQUIRED.
- 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.
- GENERAL 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 REPLACEMENT.
- EXISTING PAVERS ALONG FRONTAGE MAY BE REMOVED, SALVAGED, AND RE-USED. ANY NEW PAVERS INSTALLED MUST MATCH EXISTING IN COLOR AND PATTERN.



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Project: **THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17**

Project No: **TLENJ-5-17-264** Scale: **1" = 20'**

Drawn By: **LB** Approved By: **GPG**

Drawing Name: **DEMOLITION PLAN**

Drawing Number: **C-200**

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

Initial Date: **JANUARY 3, 2019**

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S:\PROJECTS\TLENJ-5-17-264-TLE SOUTH ORANGE VILLAGE\17-264 C-200 DEMO PLAN.DWG PLOTTED: 04/16/2019

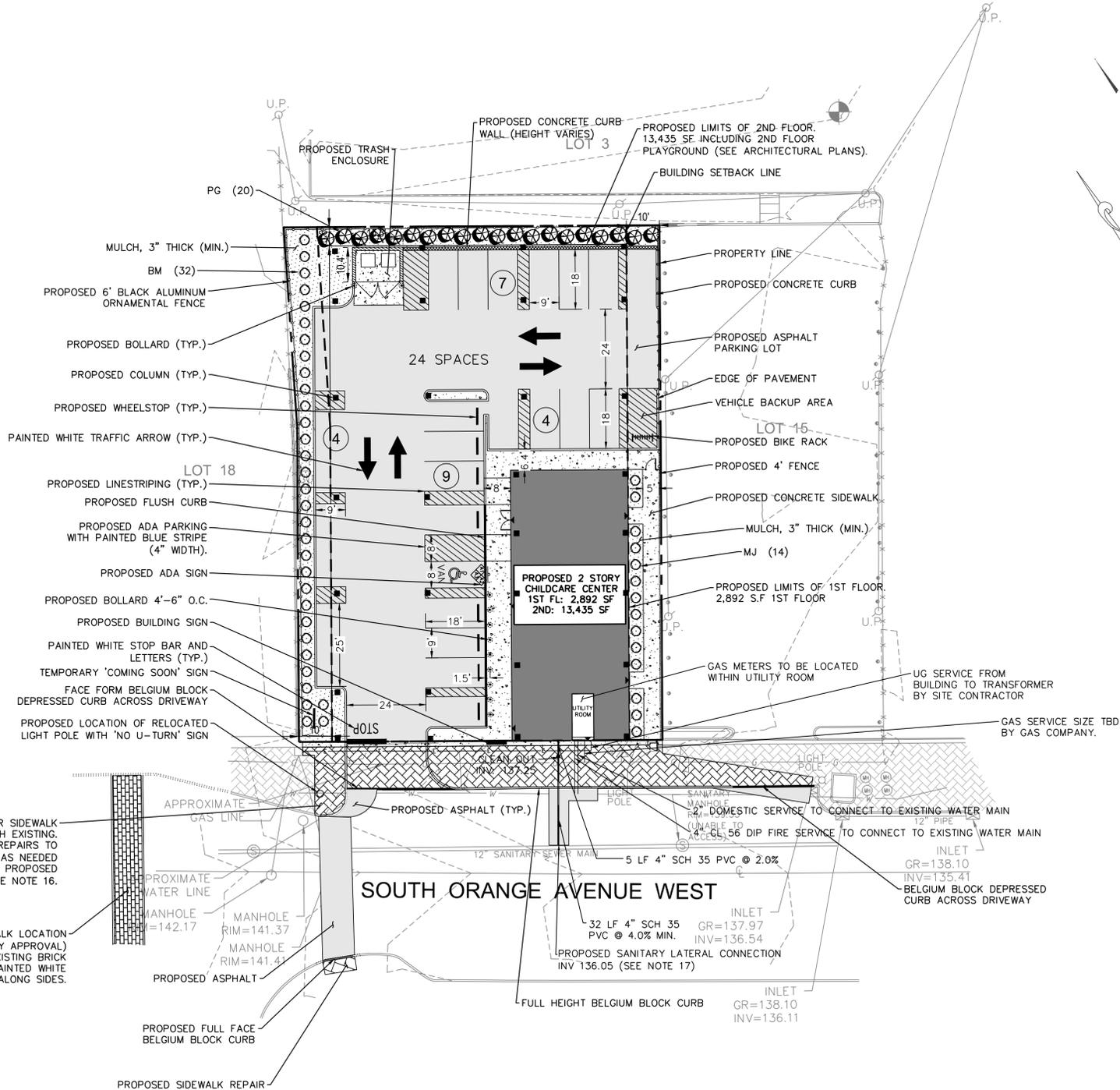


GENERAL NOTES:

- BOUNDARY & TOPOGRAPHY INFORMATION IS BASED ON A SURVEY TITLED "TOPOGRAPHIC SURVEY OF PROPERTY, LOT NO.16&17, BLOCK 1904, TOWNSHIP OF SOUTH ORANGE VILLAGE, COUNTY OF ESSEX, NEW JERSEY" BY MORGAN ENGINEERING & SURVEYING DATED 2/5/2017.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DOOR LOCATIONS, INTERIOR RENOVATIONS, AND ARCHITECTURAL ELEMENTS.
- 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 GENERAL 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 GENERAL 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 GENERAL CONTRACTOR IS RESPONSIBLE TO CONTACT NEW JERSEY 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 JERSEY ONE CALL INFORMATION - PHONE: 1-800-272-1000, WEB: WWW.NJ1-CALL.ORG
- THE GENERAL 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 GENERAL CONTRACTOR MUST NOTIFY THE DESIGN ENGINEER OF ANY CONDITION OF CONFLICTS THAT WILL ALTER THE INTENT OF THE DESIGN HEREIN.
- THE GENERAL 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 NJ BARRIER FREE CODE REQUIREMENTS.
- SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, ORDINANCES AND STATUTES OF THE TOWNSHIP OF SOUTH ORANGE VILLAGE, ESSEX COUNTY AND STATE OF NEW JERSEY AND ANY OTHER JURISDICTION.
- THE GENERAL CONTRACTOR SHALL CONFIRM EXISTING PARKING LOT AND CURB GRADES PRIOR TO CONSTRUCTION.
- EXISTING PAVERS ALONG FRONTAGE MAY BE REMOVED, SALVAGED, AND RE-USED. ALL NEW PAVERS MUST MATCH EXISTING PAVERS IN COLOR AND PATTERN.
- SANITARY MANHOLES WERE INACCESSIBLE AT TIME OF SURVEY AND AT TIME OF INITIAL SUBMISSION OF PLANS. PUBLIC WORKS IS IN THE PROCESS OF SCHEDULING MAINTENANCE WHICH WILL ALLOW ACCESS TO THESE STRUCTURES. CONTRACTOR TO CONFIRM AND PROVIDE INVERT OF SEWER PRIOR TO CONSTRUCTION IF INFORMATION IS NOT MADE AVAILABLE PRIOR TO APPROVAL.

SITE SPECIFIC NOTES:

- VILLAGE ENGINEER TO BE CONSULTED ON ANY REDESIGN OF THE STORM SEWER WITHIN THE VILLAGE RIGHT-OF-WAY PRIOR TO ITS CONSTRUCTION IF UTILITY TEST PIT(S) INDICATE UTILITY LOCATIONS DOES NOT PROVIDE SUFFICIENT SEPARATION.
- HYDRANT FLOW TESTS WILL BE PERFORMED AND RESULTS PROVIDED TO VILLAGE ENGINEER. IF PRESSURE IN THE MAIN IS FOUND TO BE INSUFFICIENT, BUILDING DESIGN WILL INCORPORATE A DOMESTIC/FIRE SERVICE BOOSTER PUMP.



LEGEND	
EXISTING	PROPOSED
PROPERTY LINE	---
BUILDING LINE	
CURB LINE	====
DEPRESSED CURB	N/A
CONCRETE WALK	N/A

PLANT SCHEDULE						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE AT PLANTING	SPACE	ROOT
SHADE TREE(S)						
PG	20	PICEA GLAUCA 'CONICA'	DWARF ALBERTA SPRUCE	4'	5'O.C.	CONTAINER
EVERGREEN TREE(S)						
BM	32	BUXUS MICROPHYLLIA 'WINTERGREEN'	WINTERGREEN BOXWOOD	24-30"	5'O.C.	-
MJ	14	BUXUS MICROPHYLLIA JAPONICA 'WINTER GEM'	WINTER GEM BOXWOOD	24-30"	5' OC	-
SHRUBS						

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

EVERGREENS SHALL BE AT LEAST 4' TALL AT PLANTING.
SHRUBS SHALL BE AT LEAST 2' TALL AT PLANTING.



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THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17

Project No: **TLENJ-S-17-264** Scale: **1" = 20'**

Drawn By: **LB** Approved By: **GPG**

Drawing Name: **SITE LAYOUT AND UTILITY PLAN**

Drawing Number: **C-300**

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

Initial Date: **JANUARY 3, 2019**

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S:\PROJECTS\TLENJ-S-17-264-TLE SOUTH ORANGE VILLAGE\17-264 C-300 SITE PLAN\2017.DWG ARCTOPAPAS PLOTTED: 04/16/2019

GRADING AND DRAINAGE PLAN NOTES

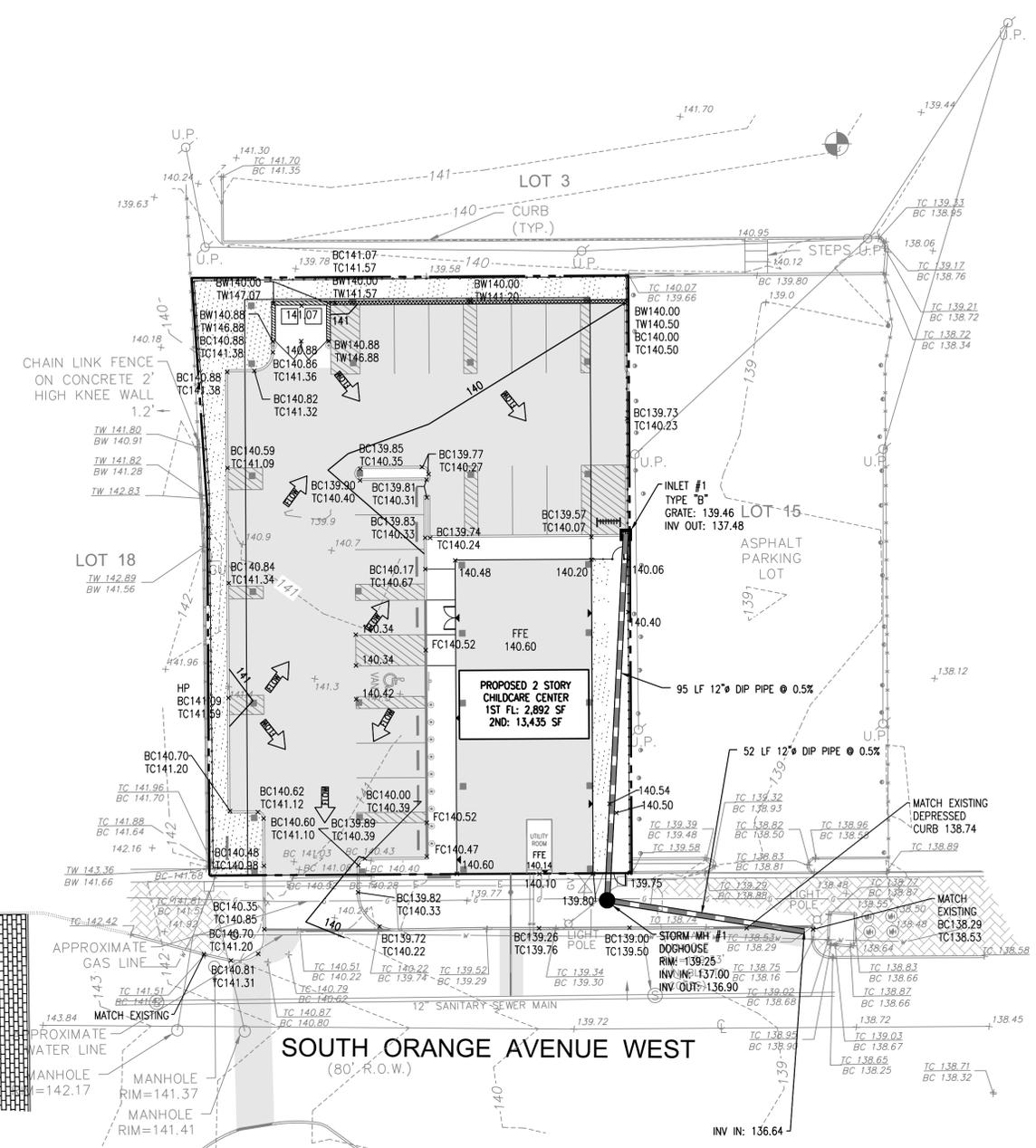
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- THE GENERAL CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE MEASUREMENTS SHOULD BE TAKEN IN THE FIELD. 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.
- THE GENERAL 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.
- 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

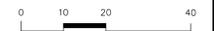
- GRADE ALL AREAS WHERE FINISH GRADE ELEVATIONS OR CONTOURS ARE INDICATED ON DRAWINGS. GRADED AREAS SHALL BE UNIFORM AND SMOOTH, FREE FROM ROCK, DEBRIS, OR IRREGULAR SURFACE CHANGES. FINISHED SUBGRADE SURFACE SHALL NOT BE MORE THAN 0.10 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATION, AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS.
- 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 LOTS FROM TIME TO TIME AS DEEMED NECESSARY.
- CATCH BASINS SHALL BE CLEANED OUT PERIODICALLY TO PREVENT THE BUILDUP OF SEDIMENT AND DEBRIS IN STRUCTURES.

STORMWATER NOTE:

THE PROPOSED DEVELOPMENT WILL REDUCE IMPERVIOUS LOT COVERAGE FROM 100 PERCENT UNDER EXISTING CONDITIONS TO 78.3 PERCENT UNDER PROPOSED CONDITIONS. THIS REDUCTION IN IMPERVIOUS LOT COVERAGE WILL REDUCE BOTH THE VOLUME OF STORM RUNOFF AND PEAK FLOW OF STORM RUNOFF FROM THE SITE THUS PROVIDING A BENEFIT TO THE EXISTING DOWNSTREAM STORMWATER SYSTEM.



	EXISTING	PROPOSED
STORM SEWER	N/A	
PROPERTY LINE		
MANHOLE	N/A	
CATCH BASIN	N/A	
SPOT ELEVATION	TC: 100.57' BC: 100.42'	99.30'
CONTOUR	- - - - - 102 - - - - -	



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	PA LIC 50416
	TX LIC 123822
MICHAEL J. VOLKLAND, RA	NJ LIC 062339
	NY LIC 062339
	PA LIC 062339
	PA LIC 062360
	PA LIC 50416
	TX LIC 123822
GERARDO P. GESARIO, PE	NJ LIC 21A1018294
	NJ LIC A1-8883
	NY LIC 019151
FREDERICK KINCARD, RA	NJ LIC 21A0208000
	PA LIC 062339
	PA LIC 062360
	PA LIC 50416
	TX LIC 123822
CHERYL SCHWEIKER, AIA	NJ LIC 21A0208000
	PA LIC 062339
	PA LIC 062360
	PA LIC 50416
	TX LIC 123822

NJ State Board of Architects, Professional Engineers, and Professional Land Surveyors, Authorization No. 163 GA-278177

Project: **THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17**

Project No:	Scale:
TLENJ-S-17-264	1" = 20'
Drawn By:	Approved By:
LB	GPG

Drawing Name:

GRADING AND DRAINAGE PLAN

Drawing Number:	C-400
Sheet No. of:	
Initial Date:	5 12
	GERARDO P. GESARIO PROFESSIONAL ENGINEER JANUARY 3, 2019 N.J. LIC. #GE038255

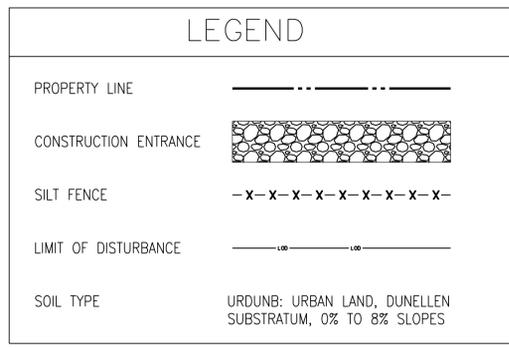
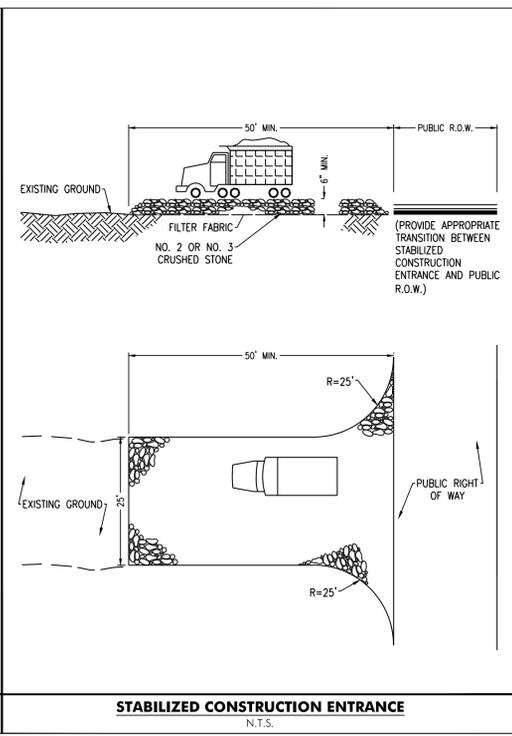
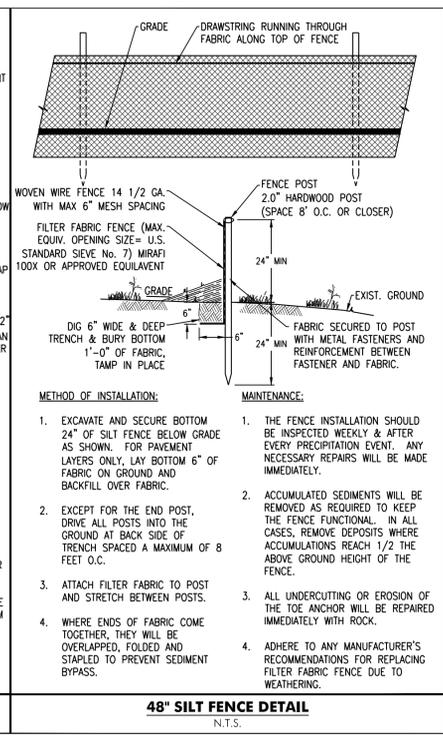
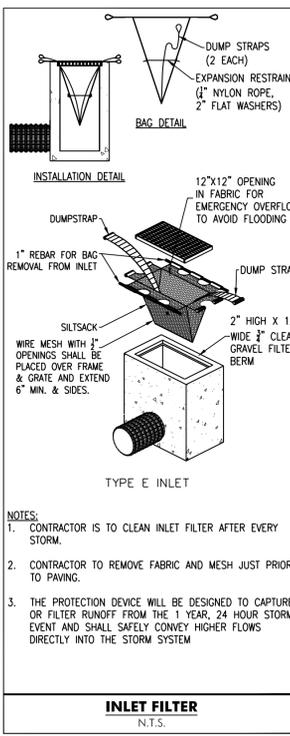
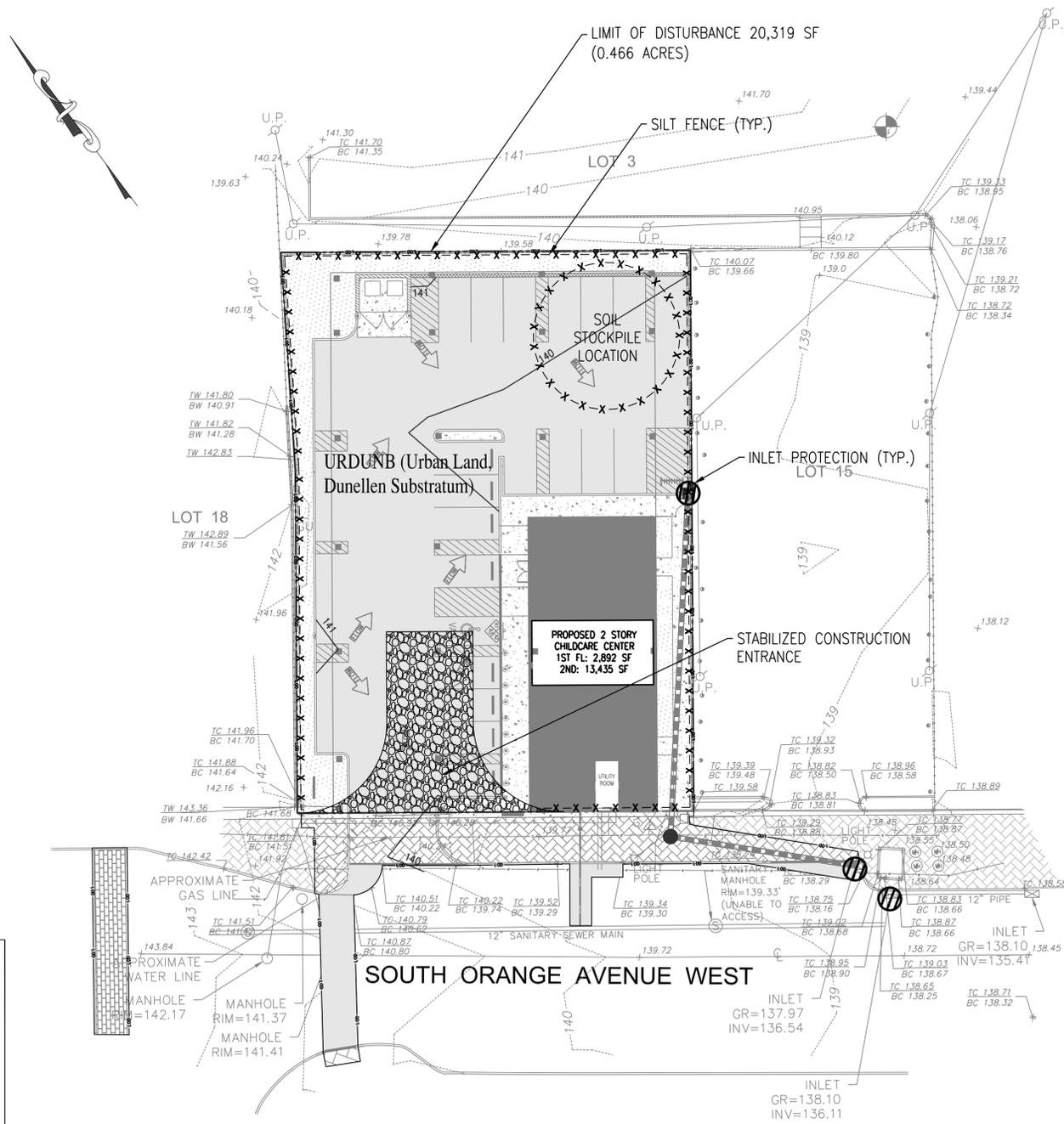
SOIL EROSION AND SEDIMENT CONTROL NOTES
(To be included on the signed erosion control plan sheet)

- All soil erosion and sediment control practices on this plan will be constructed in accordance with the "New Jersey Standards for Soil Erosion and Sediment Control" 7th Edition last revised December 2017. These measures will be installed prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
- All soil to be exposed or stockpiled for a period of greater than 14 days, and not under active construction, will be temporarily seeded and hay mulched or otherwise provided with vegetative cover. This temporary cover shall be maintained until such time whereby permanent stabilization is established.
- Seeding Dates:** The following seeding dates are recommended to best establish permanent vegetative cover within most locations in the HEPCSD: **Spring - 3/1-5/15** and **Fall - 8/15 - 10/1**
- Sediment fences are to be properly trenched and maintained until permanent vegetative cover is established.
- All storm drainage inlets shall be protected by one of the practices accepted in the Standards, and protection shall remain until permanent stabilization has been established. Storm drainage outlet points shall be protected as required before they become functional.
- Mulch materials shall be un-rotted small grain straw applied at the rate of 70 to 90 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District.
- All erosion control devices shall be periodically inspected, maintained and corrected by the contractor. Any damage incurred by erosion shall be rectified immediately.
- The Hudson-Essex-Passaic Soil Conservation District will be notified in writing at least 48 hours prior to any soil disturbing activities. **Fax - (862) 333-4507** OR email - **INFORMATION@HEPCSD.ORG**
- The applicant must obtain a District issued Report-of-Compliance prior to applying for the Certificate of Occupancy or Temporary Certificate of Occupancy from the respective municipality, NJ - DCA or any other controlling agency. Contact the District at 862-333-4505 to request a Final Inspection, giving advanced notice upon completion of the stabilization measures. A performance deposit may be posted with the District when winter weather or snow cover prohibits the proper application of seed, mulch, fertilizer or hydro-seed.
- Paved roadways must be kept clean at all times. Do not utilize a fire or garden hose to clean roads unless the runoff is directed to a properly designed and functioning sediment basin. Water pumped out of the excavated areas contains sediments that must be removed prior to discharging to receiving bodies of water using removable pumping stations, sump pits, portable sedimentation tanks and/or silt control bags.
- All surfaces having lawn or landscaping as final cover are to be provided topsoil prior to re-seeding, sodding or planting. A depth of 5.0 inches, firmed in place, is required, as per the Standards for Topsoiling and Land Grading, last revised December 2017.
- All plan revisions must be submitted to the District for proper review and approval.
- A crushed stone wheel cleaning tracking-pad is to be installed at all site exits using 2 1/2" - 1" crushed angular stone (ASTM 2 or 3) to a minimum length of 50 feet and minimum depth of 6". All driveways must be provided with crushed stone until paving is complete.
- Steep slopes incurring disturbance may require additional stabilization measures. These "special" measures shall be designed by the applicant's engineer and be approved by the Soil Conservation District.
- The Hudson-Essex-Passaic Soil Conservation District shall be notified in writing for the sale of any portion of the project or for the sale of individual lots. New owners' information shall be provided. Additional measures deemed necessary by District officials shall be implemented as conditions warrant.

SEQUENCE OF CONSTRUCTION:

ITEM	DURATION
1. INSTALL SOIL EROSION MEASURES.	1
2. DEMO SITE	20
3. GRADE SITE FOR BUILDING AND PAVEMENT	5
4. CONSTRUCT STORM SYSTEM	5
5. CONSTRUCT BUILDING AND PLAY AREA	200
6. CONNECT UTILITIES	5
7. INSTALL NEW CURB	5
8. POUR NEW WALKWAYS	5
9. RECONSTRUCT DRIVEWAY	2
10. PAVE PARKING AREA	4
11. INSTALL PAVEMENT STRIPING & MARKINGS	1
12. INSTALL LANDSCAPING AND SIGNAGE	1
13. REMOVE SOIL EROSION MEASURES.	1

TOTAL: 256 DAYS



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Interior Design
Implementation Services

ISSUE

NO.	DATE	DESCRIPTION	INT.
1	1.17.19	FOR COMPLETENESS REVIEW	GPG
2	4.16.19	FOR MAY 6TH HEARING	GPG

REVISION

NO.	DATE	DESCRIPTION	INT.
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PRINCIPALS

MATTHEW W. JARMEI, AIA, MBA	NJ LIC 40-12787 NY LIC 40-1359 MD LIC 40-1483 CT LIC 40-0011415 DC LIC 40-101849 DE LIC 55-0007554 FL LIC 40-4034 GA LIC 40-11484 IA LIC 40-0037 IL LIC 001-000069 IN LIC 40-0009 MD LIC 40-120162189 NJ LIC 31A00794700 NY LIC 30-00043100
IRWIN H. KIZEL, AIA, PE	NJ LIC 37491 MD LIC 37496 PA LIC 00002339 TX LIC 00000000
RICHARD A. JARMEI, PE	NJ LIC 37491 MD LIC 37496 PA LIC 00002339 TX LIC 00000000
ASSOCIATES	NJ LIC 0645511 PA LIC 0645511 NY LIC 0645511 TX LIC 0645511
RONALD A. BROOKSHIRE, PE	NJ LIC 0645511 PA LIC 0645511 NY LIC 0645511 TX LIC 0645511
DAVID L. LESSENE, RA	NJ LIC 0645511 PA LIC 0645511 NY LIC 0645511 TX LIC 0645511
MICHAEL J. VOLANDI, RA	NJ LIC 0645511 PA LIC 0645511 NY LIC 0645511 TX LIC 0645511
GERARDO P. GESARIO, PE	NJ LIC 0645511 PA LIC 0645511 NY LIC 0645511 TX LIC 0645511
FREDERICK KINCAID, RA	NJ LIC 21A1018294 NY LIC 21A1018294
JEROME LESLIE EBEL, PAI, PP	NJ LIC 016502.8 PA LIC 016502.8 NY LIC 016502.8
CHERYL SCHWEIKER, AIA	NJ LIC 21A0209000 PA LIC 21A0209000 NY LIC 21A0209000

NJ State Board of Architects, Engineers and Land Surveyors, Authorization No. 163
NY State Board of Architects, Engineers and Land Surveyors, Authorization No. 163

THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17

Project No:	Scale:
TLENJ-S-17-264	1" = 20'
Drawn By:	Approved By:
LB	GPG

Drawing Name:

SOIL EROSION AND SEDIMENT CONTROL PLAN

Drawing Number:	C-600
Sheet No. of:	6 12
Initial Date:	GERARDO P. GESARIO ENGINEER JANUARY 3, 2019



S:\PROJECTS\TLENJ-S-17-264-TLE SOUTH ORANGE VILLAGE\17-264-C-600-SEDC PLAN.DWG PLOTTED: 04/16/2019 APROTOPAPAS



Parkpak® LED

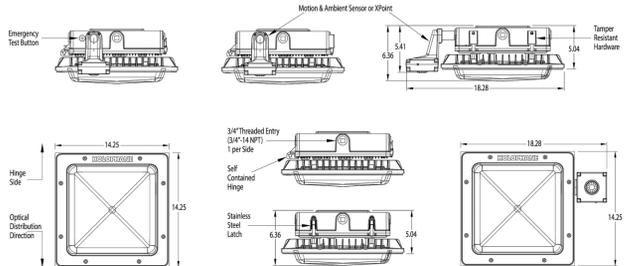


Catalog Number	Type
Notes	

- Mechanical**
- Heavy grade A380 cast aluminum coupled with a rigorous 5-stage pretreatment, epoxy basecoat and polyester topcoat yield a finish that achieves a scribe creepage rating of 8 after 5,000 hours of salt spray.
 - Mounts to a standard junction box
 - Provide a swivel kit for pendant mount applications that is secured to a 4 inch square electrical box
 - Wet location listed
 - IP66 rating
 - "N" threaded plug (1/4" - 14 NPT) on each side, accepts "N" and "V" conduit.
 - Vibe rating for surface mount: 3G
 - Vibe rating for pendant mount: 3G at 1.5 feet, excludes swivel kit
 - Pendant mount: 3/4" - 14 NPT in center of housing
 - Bird Shroud (Accessory)
- Electrical**
- Electrical harness for quick and safe disconnect / connect of power and options
 - Rated for -40°C / -40°F minimum ambient
 - Programmable electronic driver with 0-10V control leads
 - 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 lead-time)
 - Internal mounted emergency battery backup for operation in an ambient temperature ranging from -20°C - 30°C for P10 thru P40 performance packages, non CEC compliant
 - The electrical system shall be designed to meet ANSI/IEEE C62.41.1 10kV/10kA and C136.2 20kV/10kA (with indicator light) as standard with an optional downgrade 10kV/5kA surge protection (without indicator light)
 - The emergency battery option will be equipped with the 10kV/5kA surge protection
- Optical**
- The light engine shall be IP66
 - Type V (Entry), M (medium), R (rectangle) & W (wide)
 - Asymmetric
- Optical Material Options**
- Borosilicate glass lens (GL)
 - Polycarbonate lens (PL)
 - A zero uplight option (FO)
- Controls**
- Field adjustable output
 - Button-style photocontrol
 - XPoint™ Wireless control
 - Motion Sensor / Ambient Photocontrol with mounting options ranging from (8-15) and (15-30)
 - Title 24 compliance options available
- Certification and Standards**
- Luminaire shall be CSA listed, US and Canada
 - Suitable for operation in an ambient temperature up to 40°C / 104°F for standard product
 - Designlights Consortium™ (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/CP/ to confirm which versions are qualified.
 - ULM-79 compliant
 - The projected LED Lumen Maintenance shall be based only on IES LM-80-06 and TM-21
- Warranty**
- 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomResources/Terms_and_Conditions.aspx
 - Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

DIMENSIONAL DATA

Maximum weight: 24 lbs.



Acuity Brands | Holophane | 3825 Columbus Rd., Granville, OH 43023 | Phone: 866-HOLOPHANE | www.holophane.com
© 2014-2018 Acuity Brands Lighting, Inc. All rights reserved. Rev. 11/27/18 Specifications are subject to change without notice. PPSQL2 Page 1 of 8

Note

- Readings shown are in units of maintained footcandles.
- Total light loss factor = .92
- Ceiling height = 12.5' off
- Fixture mounting height = 12.25' off
- Fixture spacing = See plan view.
- Reflectance = 10%
- This photometrics layout was calculated using specific criteria, any deviation from stated parameters will effect actual performance.
- These lighting calculations are not a substitute for independent engineering analysis of lighting system suitability and safety.

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Property summary @ grade	+	2.6 fc	6.7 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	14	Holophane	PPSQL2 P40 40K/50K XX GL T5W	Holophane ParkPak Square LED, LED Performance Package P40, 51W, 4000K/5000K CCT, Voltage, Borosilicate glass lens, Type V, Wide	LED	1	PPSQL2_P40_40K_50K_XX_GL_T5W.xls	4822	0.92	51

LOT 18



PROPOSED 2 STORY CHILDCARE CENTER
1ST FL: 2,892 SF
2ND: 13,435 SF



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REVISION

NO.	DATE	DESCRIPTION	INT.

PRINCIPALS

MATTHEW B. JARMEL, AIA, MBA NJ LIC 48139 CO LIC ARC-401483 CT LIC AR-0011415 DC LIC ARC-101849 DE LIC ES-0007554 FL LIC APR4034 GA LIC 80411484 IA LIC 00577 IL LIC 001000949 MA LIC AR-0096 MD LIC 120162189 MI LIC 06822	IRWIN H. KIZEL, AIA, PE NJ LIC 37491 PA LIC 0007735 TX LIC 123822	NI LIC 48139 MN LIC 46454 NC LIC 10120 NH LIC 3061 NY LIC 024673 OH LIC APR-12444 PA LIC RA-014851-B RI LIC ARC-0004765 SC LIC AR-9163 TN LIC 102850 TX LIC 0007735 VA LIC 06822 VT LIC 0007735 WI LIC 0007735
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ASSOCIATES

RONALD A. BROKENSHIRE, PE DAVID L. LESSENE, RA MICHAEL J. VOLKANO, RA GERARDO P. GESARIO, PE FREDERICK KINCAID, RA JEROME LESLIE EBEL, PA, PP CHERYL SCHWEIKER, AIA	NI LIC CE45511 PA LIC PE08851 PA LIC AI 3231 PA LIC 024778 PA LIC RA-405081 NY LIC CE03993 NJ LIC CE039555 NJ LIC 21A1010294 NJ LIC AI-8883 NY LIC 019151 NJ LIC 21A0209000 PA LIC 8407027
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NJ State Board of Engineers & Land Surveyors Authorization No. 161
NY State Board of Architects, Examiners and Surveyors Authorization No. 1278177

THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17

Project No: TLENJ-5-17-264
Scale: 1" = 10'
Drawn By: LB
Approved By: GPG

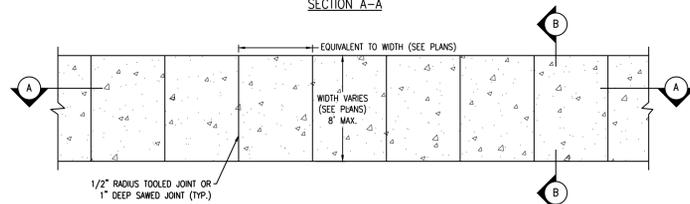
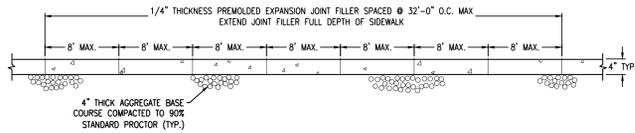
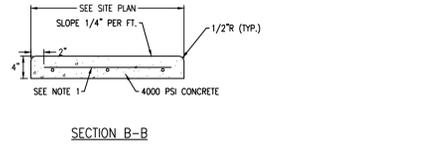
Drawing Name: LIGHTING PLAN

Drawing Number: C-650
Sheet No: 8 of 12
Initial Date: JANUARY 3, 2019
GERARDO P. GESARIO
PROFESSIONAL ENGINEER
N.J. LIC. #GE038255

SOUTH ORANGE AVENUE WEST

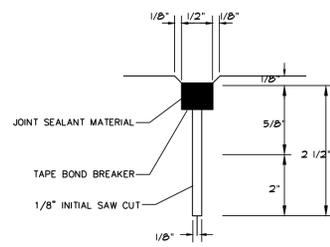


S:\PROJECTS\TLENJ-5-17-264-TLE SOUTH ORANGE NJ\CAD\17-264_C-650 LIGHT PLAN.DWG PLOTTED: 04/16/2019

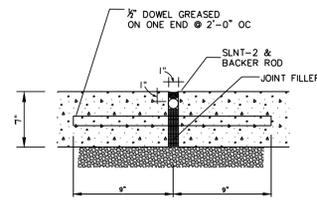


NOTE:
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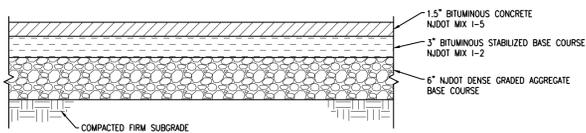
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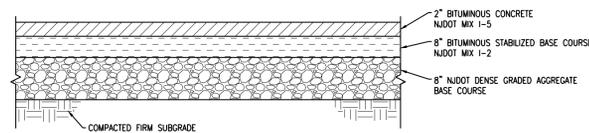
CONSTRUCTION JOINT
(MAX 20'-0" OC)
N.T.S.



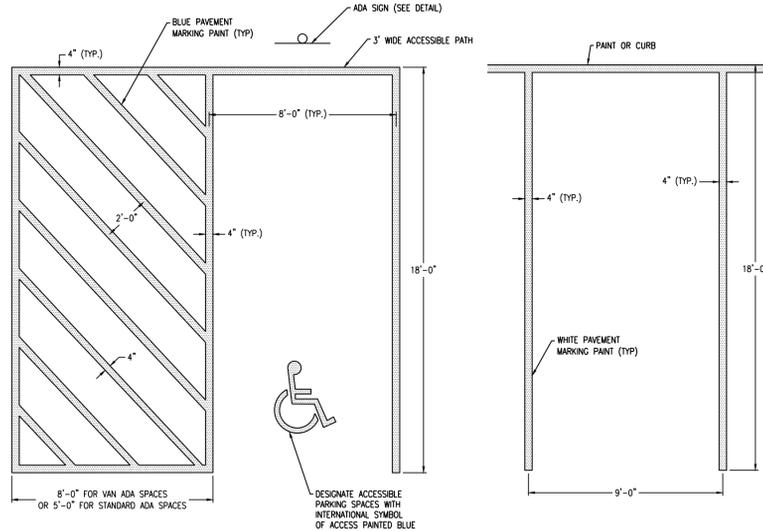
EXPANSION JOINT @ MAX 20'-0" OC
N.T.S.



ASPHALT PAVEMENT SECTION (ON-SITE)
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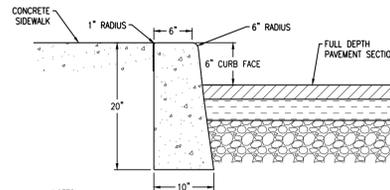


ASPHALT PAVEMENT SECTION (COUNTY ROAD)
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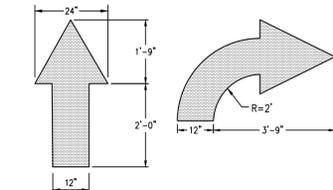
ADA PARKING SPACE STRIPING
N.T.S.

STANDARD PARKING SPACE STRIPING
N.T.S.

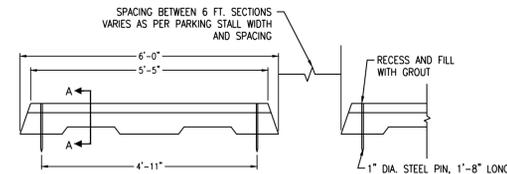


- NOTES:
1. MAXIMUM CURB LENGTH SHALL BE 10'.
 2. PREFORMED BITUMINOUS EXPANSION JOINT FILLER 1" THICK SHALL BE LOCATED EVERY 40'.
 3. CLASS B CONCRETE SHALL BE 4000 PSI MINIMUM ON 28 DAY DAY TEST, AIR ENTRAINMENT 4% TO 7%, SLUMP TO BE 3" MAX.
 4. INTERMEDIATE JOINTS SHALL NOT EXCEED 1" IN WIDTH.
 5. EXPOSED CONCRETE SURFACE SHALL BE FLOAT FINISHED SURFACE.

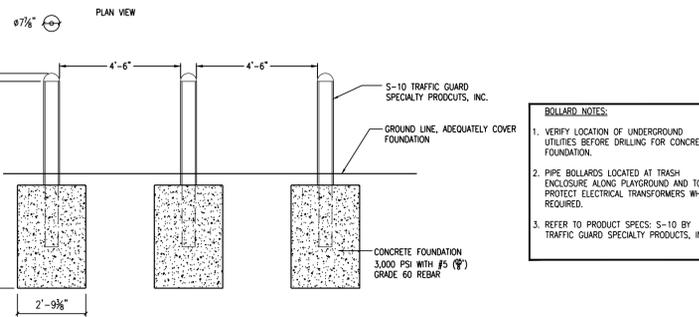
6" CONCRETE CURB (ON-SITE)
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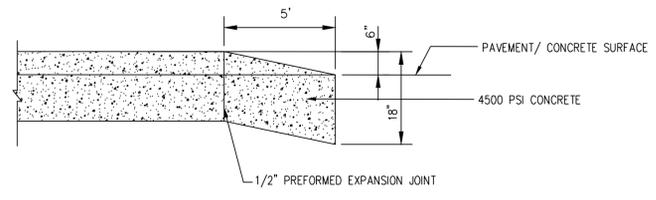
TRAFFIC FLOW ARROWS
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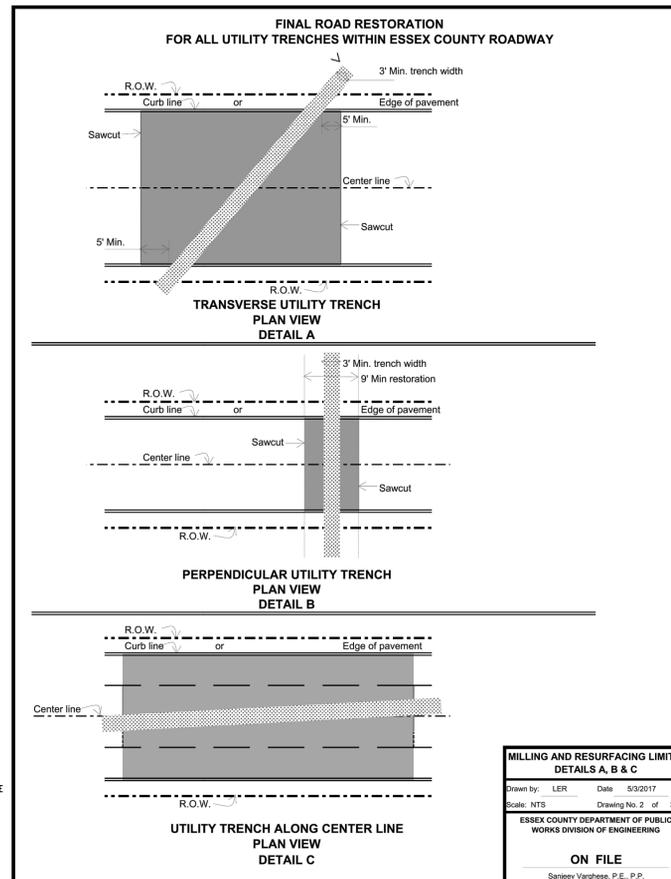
PRECAST CONCRETE WHEEL STOP
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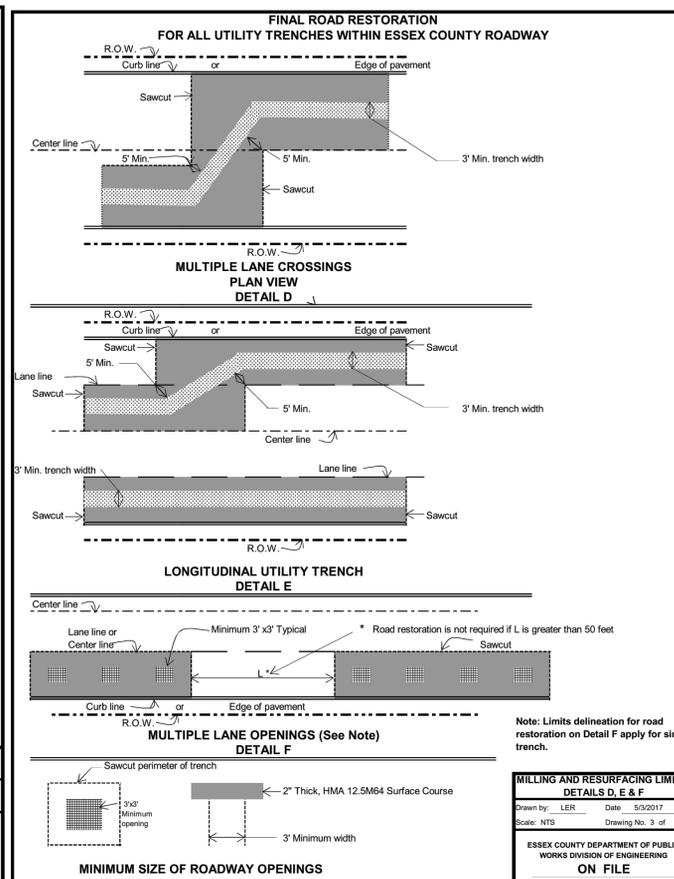
BOLLARD DETAIL
N.T.S.



END CURB TAPER DETAIL
N.T.S.



MILLING AND RESURFACING LIMITS- DETAILS A, B & C
Drawn by: LER Date: 5/3/2017
Scale: NTS Drawing No. 2 of 3
ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING
ON FILE
Sanjeev Varghese, P.E., P.P.



MILLING AND RESURFACING LIMITS- DETAILS D, E & F
Drawn by: LER Date: 5/3/2017
Scale: NTS Drawing No. 3 of 3
ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING
ON FILE
Sanjeev Varghese, P.E., P.P.

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PRINCIPALS

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IRWIN H. KIZEL, AIA, PE	NJ LIC 37491
RICHARD A. JARMEL, PE	NJ LIC 37491
RONALD A. BROKENSHIRE, PE	NJ LIC 37491
DAVID L. LESSENE, BA	NJ LIC 37491
MICHAEL J. VOLLMER, BA	NJ LIC 37491
GERARD P. GESARIO, PE	NJ LIC 37491
FREDERICK KINGARD, BA	NJ LIC 37491
JEROME LESLIE BENI, PA, PP	NJ LIC 37491
CHERYL SCHWENKER, AIA	NJ LIC 37491

THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17

Project: **TLNJ-S-17-264** Scale: **AS NOTED**

Drawn By: **LB** Approved By: **GPG**

Drawing Name: **DETAIL SHEET**

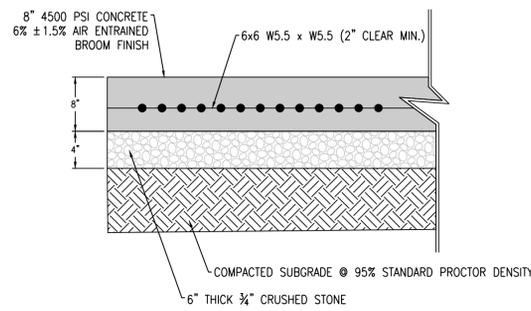
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Sheet No: **9** of: **12**

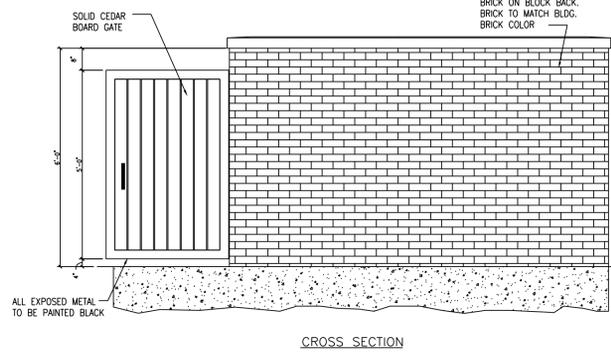
Initial Date: **JANUARY 3, 2019**

GERARD P. GESARIO
PROFESSIONAL ENGINEER
N.J. LIC. #GE038255

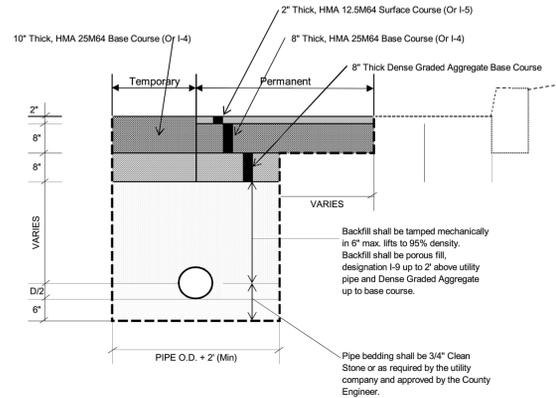
S:\PROJECTS\TLNJ-S-17-264-TLE SOUTH ORANGE\N\CAD\17-264 C-900 DETAIL SHEET.DWG PLOTTED: 04/16/2019



CONCRETE SLAB FOR DUMPSTER
N.T.S.

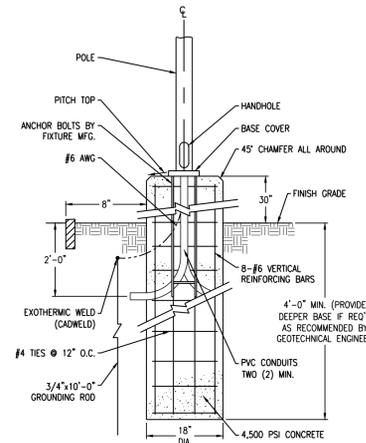


TRASH ENCLOSURE WALL DETAIL
N.T.S.



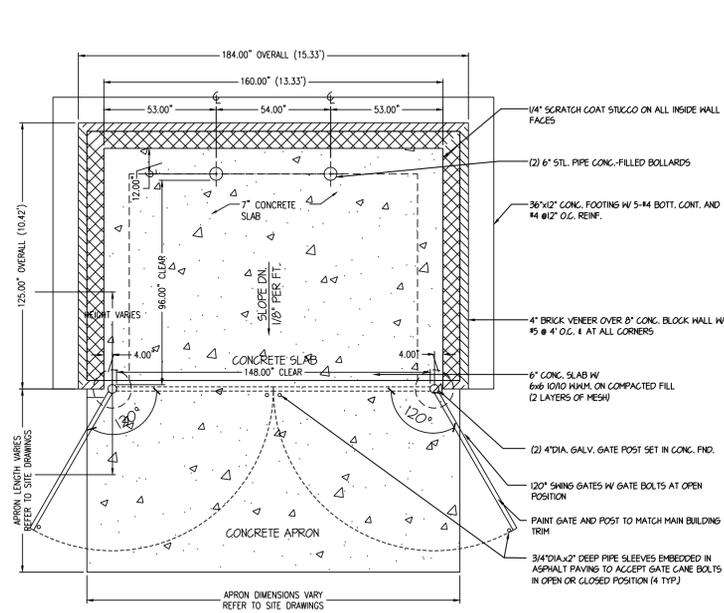
- NOTES:**
- 2007 New Jersey D.O.T. Standard Specifications for Roads and Bridge Construction with amendments shall govern.
 - When the edge of trench is within 4' or less from the existing curb, full depth pavement shall be constructed.
 - All excavated unsuitable material shall be removed and disposed of at the utility and/or contractor's expense.
 - Temporary pavement replacement shall be 10 inches of HMA 25M64 Surface Course or I-4, compacted in five inches lifts.
 - After three (3) months or as directed by the County Engineer or his duly authorized representative, the trench shall be milled 2 inches deep, as per limits determined on Details A thru F, then the trench must be resurfaced with 2" of HMA 12.5M64 Surface Course. (See Details A thru F)
 - Trenches shall be sawcut as indicated in this drawing. Butt joints are not allowed.
 - Traffic stripes and traffic markings are to be replaced with Traffic Stripes, long life and Traffic Markings, thermoplastic.

TRENCH/BACKFILL SECTION (COUNTY ROAD)
N.T.S.



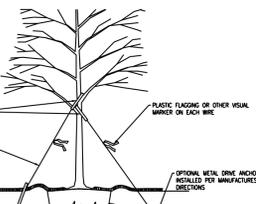
POLE BASE DETAIL
N.T.S.

- NOTE:**
- FOOTING DESIGN BY OTHERS.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.



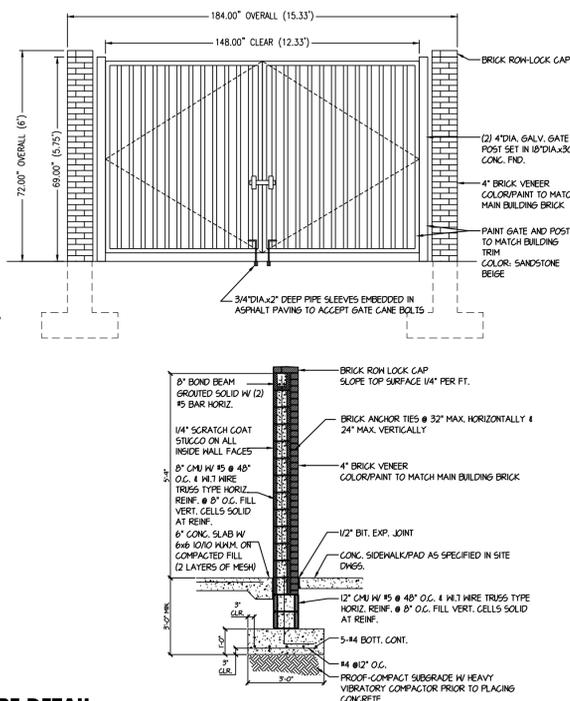
TRASH ENCLOSURE DETAIL
N.T.S.

- NOTES:**
- WIRE OR CABLE SHALL BE AS FOLLOWS: TREES UP TO 2.5 IN. CALIPER - 14 GAUGE; TREES 2.5 IN. TO 3 IN. CALIPER - 12 GAUGE.
 - TIGHTEN WIRE OR CABLE ENOUGH TO KEEP TREE FROM SLIPPING. ALLOW FOR SOME TENSION MOVEMENT. PLASTIC HOSE SHALL BE LONG ENOUGH TO ACCOMMODATE 15 IN. OF GROWTH AND TRIMMER ALL BRANCHES FROM THE WIRE.
 - DO NOT USE COARSE TYPES OF WIRE OR CABLE INTO THE WIRE WHIP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.
 - INSTALL THREE COT WIPES PER TREE, SPACED EVENLY AROUND THE TRUNK.
 - STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.

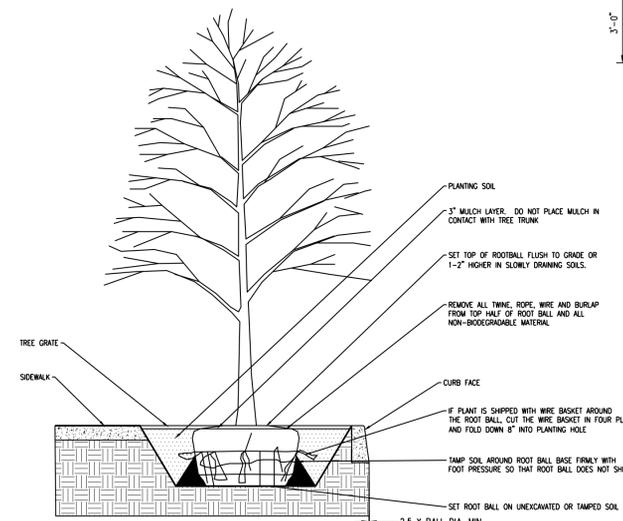


- GENERAL NOTES:**
- ALL STAKES SHALL BE DRIVEN OUTSIDE THE EDGE OF THE ROOT BALL.
 - ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 0.5 IN.
 - REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST GROWING SEASON AFTER PLANTING.
 - TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF.
 - THE FOLLOWING REASONS WHY TREES DO NOT REQUIRE STAKING: TREES WITH POOR QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CHECKED OR DAMAGED. SELECT RATHER THAN STAKE. TREES WITH POOR QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CHECKED OR DAMAGED. SELECT RATHER THAN STAKE. PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOIL AROUND THE ROOT BALL. PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOIL AROUND THE ROOT BALL. ROOT BALLS WITH VERY SANDY SOIL OR VERY HEAVY CLAY SOIL. STAKING ADVISABLE. TREES LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS. STAKING ADVISABLE.

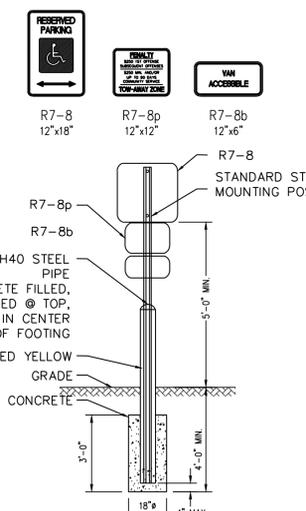
TREE STAKING DETAIL - TREES 3 INCH CALIPER OR LARGER
N.T.S.



SHRUB PLANTING
N.T.S.

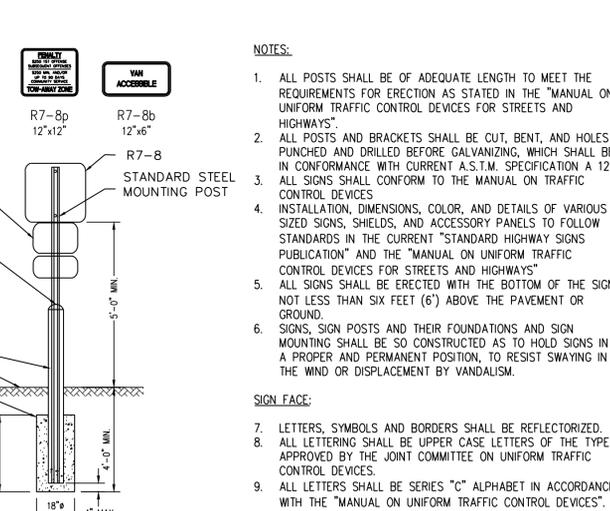


DECIDUOUS TREE PLANTING
N.T.S.

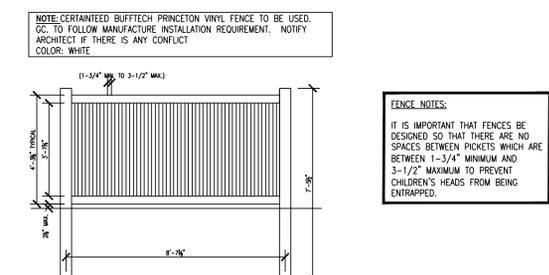


- NOTES:**
- WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 - THESE WORDS AND BAR ARE TO BE PAINTED REFLECTIVE WHITE.

STOP BAR DETAIL
N.T.S.



SIGN MOUNTING DETAIL WITH BOLLARD
N.T.S.



VINYL FENCE DETAIL
N.T.S.

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ISSUE

NO.	DATE	DESCRIPTION	INT.
1	1.17.19	FOR COMPLETENESS REVIEW	GPG
2	4.16.19	FOR MAY 6TH HEARING	GPG

REVISION

NO.	DATE	DESCRIPTION	INT.

PRINCIPALS

MATTHEW W. JARMEL, AIA, MBA NJ LIC 48139 NY LIC 48139 DC LIC 48139 FL LIC 48139 GA LIC 48139 IL LIC 48139 IN LIC 48139 MD LIC 48139 MI LIC 48139 MO LIC 48139 NC LIC 48139 ND LIC 48139 OH LIC 48139 OR LIC 48139 PA LIC 48139 SC LIC 48139 TN LIC 48139 TX LIC 48139 VA LIC 48139 WI LIC 48139 WV LIC 48139	IRWIN H. KIZEL, AIA, PP NJ LIC 21400794200 NY LIC 21400794200 DC LIC 21400794200 FL LIC 21400794200 GA LIC 21400794200 IL LIC 21400794200 IN LIC 21400794200 MD LIC 21400794200 MI LIC 21400794200 MO LIC 21400794200 NC LIC 21400794200 ND LIC 21400794200 OH LIC 21400794200 OR LIC 21400794200 PA LIC 21400794200 SC LIC 21400794200 TN LIC 21400794200 TX LIC 21400794200 VA LIC 21400794200 WI LIC 21400794200 WV LIC 21400794200	RICHARD A. JARMEL, PE NJ LIC 27486 NY LIC 27486 DC LIC 27486 FL LIC 27486 GA LIC 27486 IL LIC 27486 IN LIC 27486 MD LIC 27486 MI LIC 27486 MO LIC 27486 NC LIC 27486 ND LIC 27486 OH LIC 27486 OR LIC 27486 PA LIC 27486 SC LIC 27486 TN LIC 27486 TX LIC 27486 VA LIC 27486 WI LIC 27486 WV LIC 27486
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THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17

Project No: **TLENJ-5-17-264** Scale: **AS NOTED**

Drawn By: **LB** Approved By: **GPG**

Drawing Name: **DETAIL SHEET**

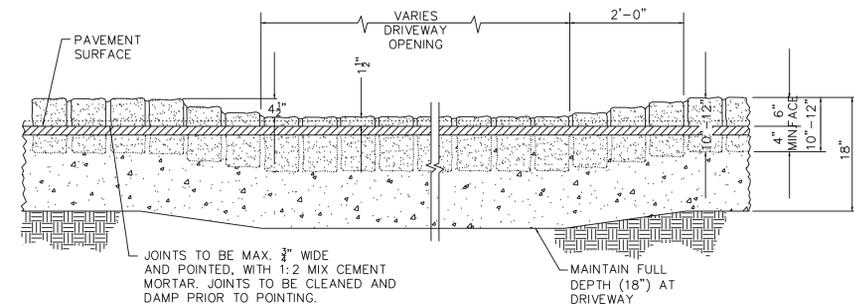
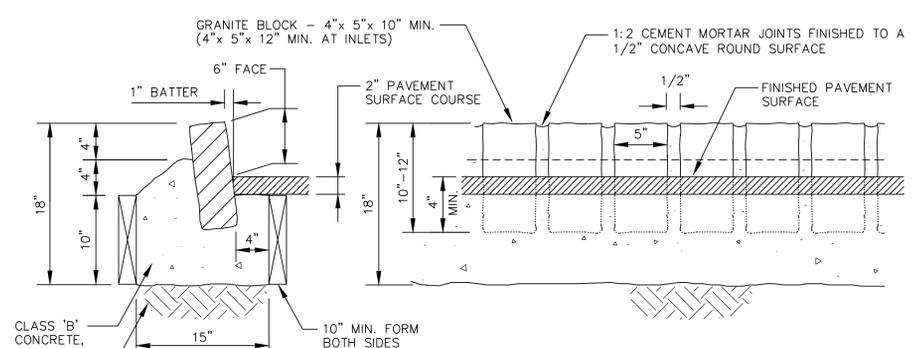
Drawing Number: **C-901**

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

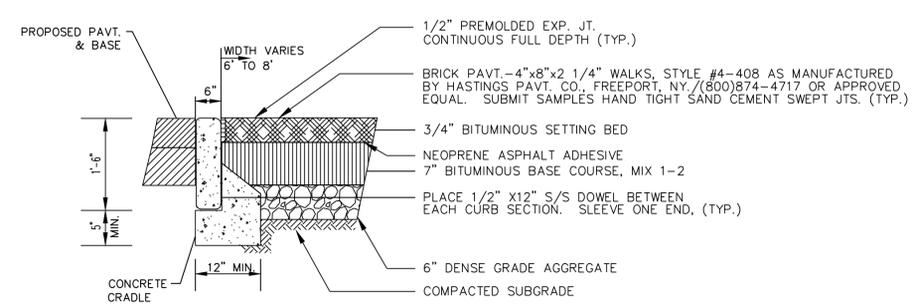
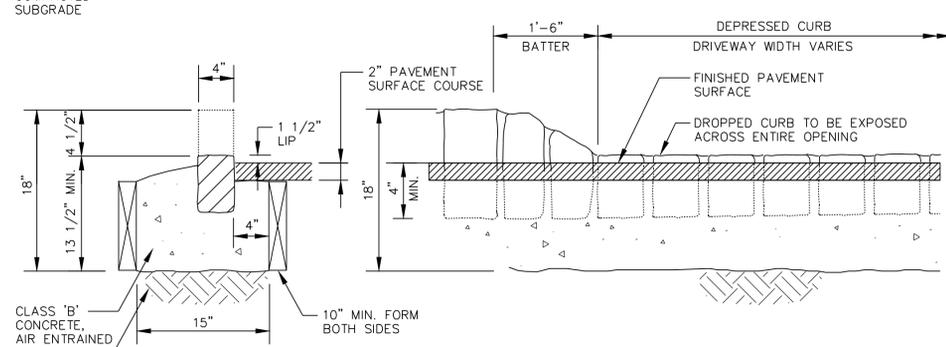
Initial Date: **JANUARY 3, 2019**

GERARD P. GESARIO
PROFESSIONAL ENGINEER
N.J. LIC. #GE038255

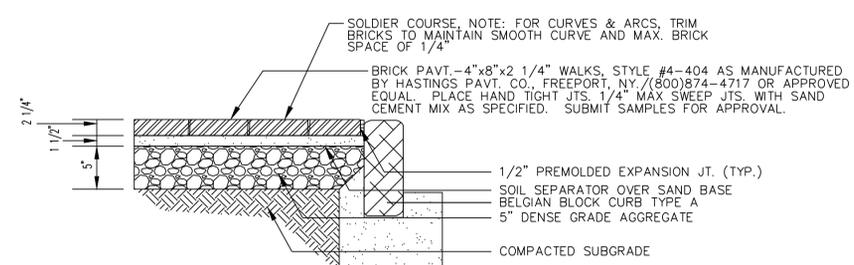
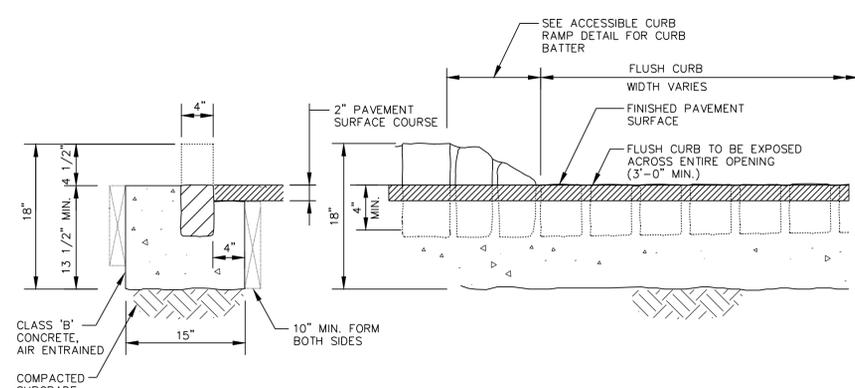
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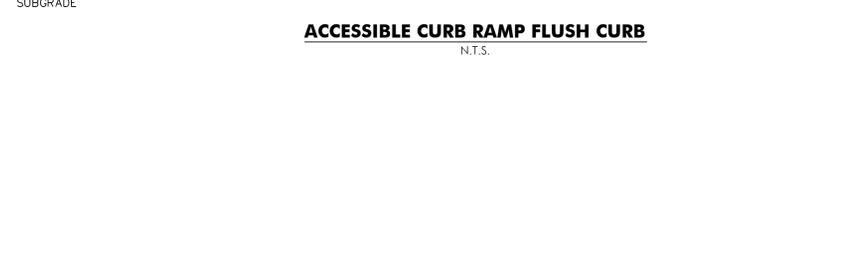
DEPRESSED GRANITE BLOCK CURB AT DRIVEWAY
N.T.S.



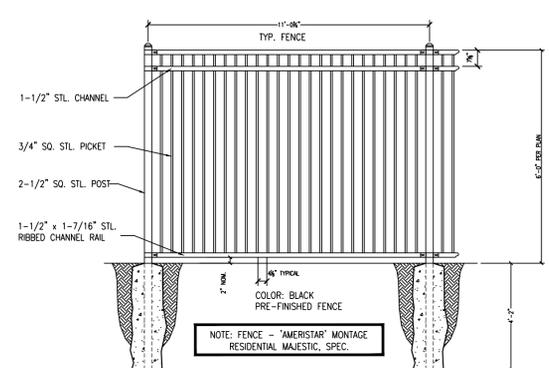
BRICK PAVER CROSSWALK
N.T.S.



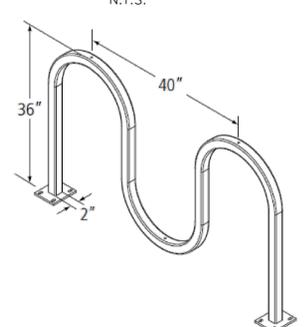
BRICK PAVEMENT TYPE 'A' (SAND BASE)
N.T.S.



BRICK PAVEMENT TYPE 'B' (BITUMINOUS BASE) IN ROAD CROSSING
N.T.S.



ORNAMENTAL ALUMINUM FENCE & GATE
N.T.S.



BICYCLE RACK (5 BIKES)
N.T.S.

PRIOR TO INSTALL
- ALL MEASUREMENTS NEED TO BE CHECKED TO VERIFY MATERIALS WILL FIT ACCORDING TO THE INSTALL AS LAYED OUT.
- INSPECT ALL SURFACES. NOTE ANY IMPERFECTIONS BEFORE APPLYING MATERIALS.
- CONTACT LOCAL CLIENT AND ARRANGE FOR INSTALLATION. PLEASE MAKE SURE THE CLIENT WILL BE PRESENT SO THEY CAN SPOT THE EXACT LOCATION THEY WANT THE SIGN INSTALLED AT.

DURING INSTALL
- VINYL NEEDS TO BE BUBBLE FREE WITH NO RIPS OR CUTS.
- ALL SIGNAGE NEEDS TO HAVE CORRECT PLACEMENT.
- LEVELS NEED TO BE USED ON APPLICABLE ITEMS.
- ALL APPLICABLE AREAS NEED TO BE PROTECTED FROM DUST, DEBRIS, ETC.

AFTER INSTALL
- SITE MUST BE CLEANED AND LEFT IN THE SHAPE IT WAS IN PRIOR TO INSTALL.
- COMPLETION PHOTOS NEED TO BE TAKEN OF EACH SIGN INSTALLED.
- ONSITE CLIENT NEEDS TO SIGN OFF ON INSTALLATION (SIGNATURE AREA ON LAST PAGE)



TEMPORARY SIGN DETAIL
N.T.S.



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Engineering
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Implementation Services

ISSUE			
NO.	DATE	DESCRIPTION	INT.
1	1.17.19	FOR COMPLETENESS REVIEW	GPG
2	4.16.19	FOR MAY 6TH HEARING	GPG

REVISION			
NO.	DATE	DESCRIPTION	INT.
1	4.10.19	ADD BIKE RACK/PERIMETER FENCE	GPG

PRINCIPALS	
MATTHEW W. JARMEI, AIA, MBA	NJ LIC 4813287 NY LIC 481339 MD LIC 481340 CT LIC 481341 DC LIC 481342 DE LIC 481343 FL LIC 481344 GA LIC 481345 IA LIC 481346 IL LIC 481347 IN LIC 481348 KS LIC 481349 KY LIC 481350 LA LIC 481351 MA LIC 481352 MD LIC 481353 MI LIC 481354 MN LIC 481355 MO LIC 481356 NC LIC 481357 ND LIC 481358 OH LIC 481359 OK LIC 481360 OR LIC 481361 PA LIC 481362 RI LIC 481363 SC LIC 481364 TN LIC 481365 TX LIC 481366 VA LIC 481367 VT LIC 481368 WA LIC 481369 WI LIC 481370 WV LIC 481371 WY LIC 481372
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JEROME LESLIE BENI, PAI, PP	NJ LIC 016502.8 NY LIC 016502.9 PA LIC 016502.0 VA LIC 016502.1 WV LIC 016502.2
CHERYL SCHWEIKER, AIA	NJ LIC 21A0208900 NY LIC 21A0208901 PA LIC 21A0208902 VA LIC 21A0208903 WV LIC 21A0208904

ASSOCIATES

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FREDERICK KINCAID, RA
JEROME LESLIE BENI, PAI, PP
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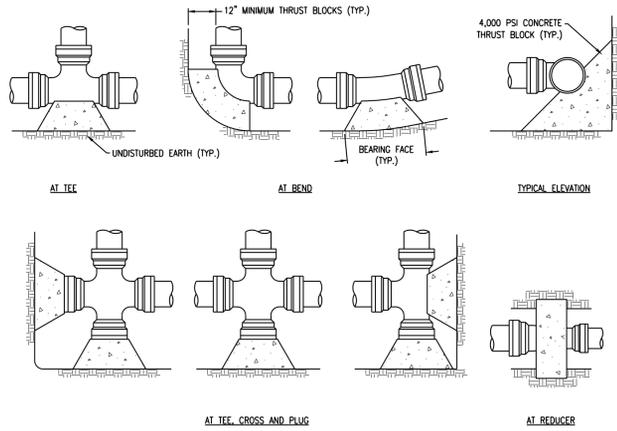
THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17

Project No: TLENJ-S-17-264
Scale: AS NOTED
Drawn By: LB
Approved By: GPG
Drawing Name: DETAIL SHEET

Drawing Number: C-902
Sheet No: 11 of 12
Initial Date: JANUARY 3, 2019
GERARD P. GESARIO
PROFESSIONAL ENGINEER
N.J. LIC. #GE038255

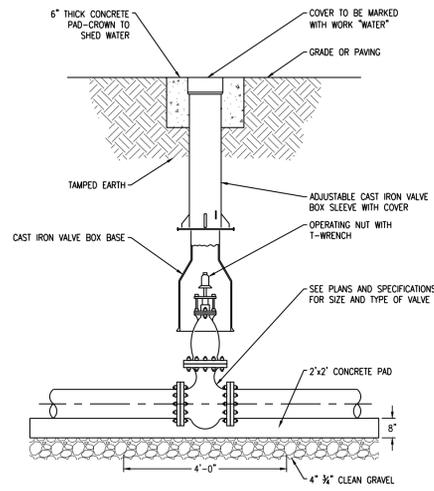
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PIPE SIZE	BEND					TEE PLUG	REDUCER	
	90°	45°	22-1/2°	11-1/4°	SIZE		AREA	
4" - 6"	4	2.5	1.5	1	3	6" x 4"	2	
8"	7	4	2	1	5	8" x 6"	2.5	
12"	14.5	8	4	2	10.5	12" x 8"	5.5	

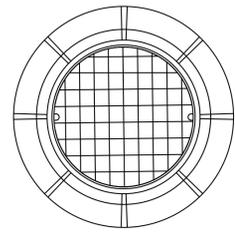


- NOTES:**
- SPECIAL DESIGN IS REQUIRED FOR FITTINGS ON DOMESTIC WATER MAIN PIPE LARGER THAN 12 INCHES.
 - THRUST BLOCK IS TO BE POURED AGAINST UNDISTURBED EARTH. WIDTH OF THRUST BLOCK SHOULD BE APPROXIMATELY TWICE HEIGHT.
 - THRUST BLOCK IS TO BE INSTALLED AT ALL BENDS, PLUGS, TEES, AND TAPPING SLEEVE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

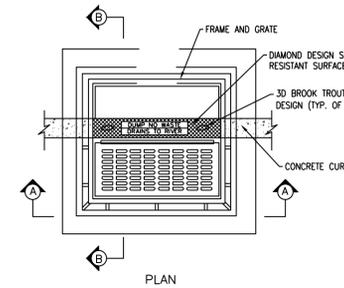
THRUST BLOCK DETAILS
N.T.S.



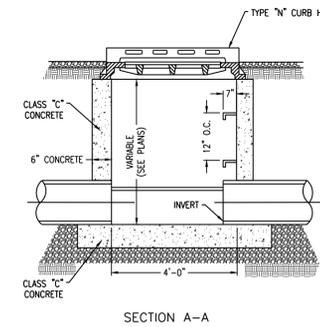
CURB VALVE DETAIL
N.T.S.



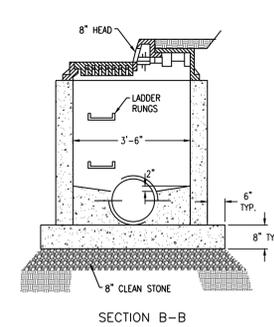
MANHOLE FRAME AND COVER
N.T.S.



PLAN



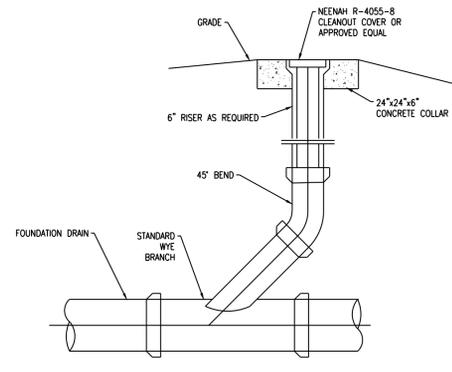
SECTION A-A



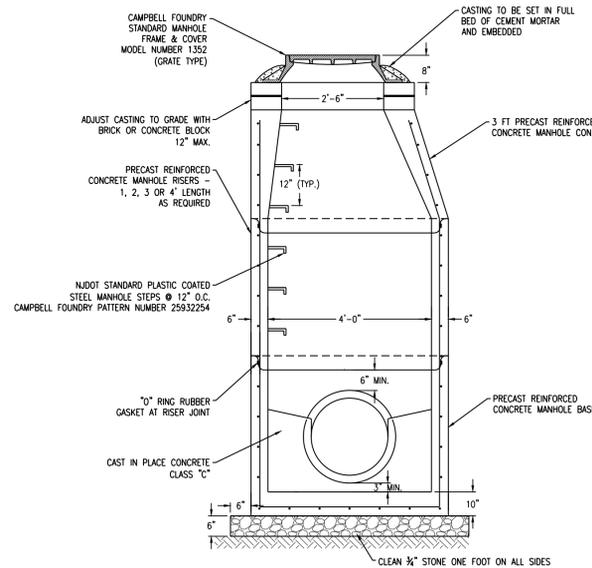
SECTION B-B

- NOTES:**
- INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS. BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT THE RATE OF A GRADE OF 2 INCHES PER FOOT.
 - PROVIDE COPOLYMER POLYPROPYLENE PLASTIC LADDER RUNGS @ 12 INCHES ON CENTER.
 - CASTING TO BE CAMPBELL FOUNDRY CO. PATTERN #2618 OR EQUIVALENT WITH ECO CURB PIECE TYPE \"N\" AND BICYCLE SAFETY GRATE #2617. CASTING TO BE THOROUGHLY PAINTED, OR APPROVED EQUAL.
 - WHEN DEPTH IS GREATER THAN 12 FEET, THE WALLS SHALL BE 8 INCHES THICK AND THE FOOTING SHALL BE EXTENDED TO 12 INCHES BEYOND THE OUTSIDE WALLS.
 - CLEAN STONE SHALL BE PLACED BENEATH THE STRUCTURE TO A DEPTH OF 8 INCHES.

TYPE \"B\" INLET
N.T.S.

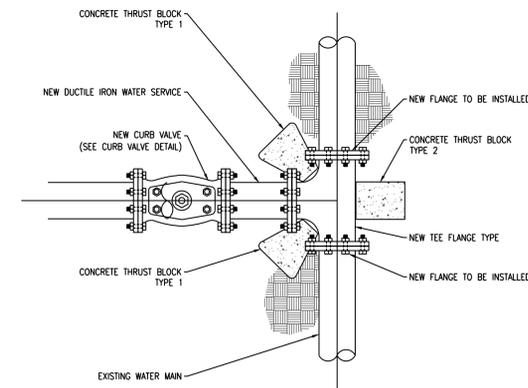


STORM CLEANOUT
N.T.S.



STORM MANHOLE
N.T.S.

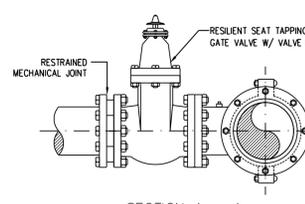
- DIAMETER OF MANHOLE SHALL BE REVIEWED BY THE CONTRACTOR TO DETERMINE A LEGEND OF STANDARD MANHOLE DIMENSIONS WITH RESPECT TO PROPOSED PIPE SIZES, NUMBER AND GEOMETRY. OVER SIZE MANHOLES SHALL BE PROVIDED IF MINIMUM 6\"/>
- MANHOLES SHALL BE STANDARD PRECAST CONCRETE UNITS AND SHALL BE DESIGNED AND CONSTRUCTED BY THE MANUFACTURER TO SUPPORT TRUCK HS20 LOADING.



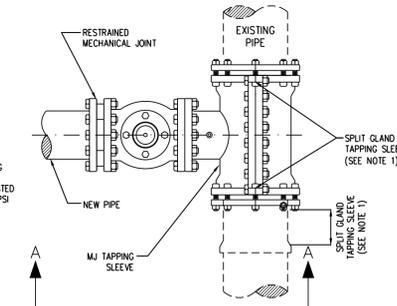
WATER MAIN CONNECTION DETAIL
N.T.S.

NOTES:

- SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCOREMENT STAINLESS STEEL MJ 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.

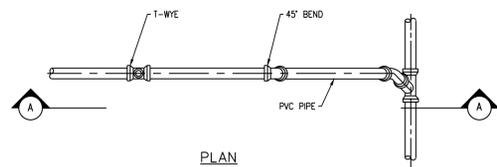


SECTION A - A

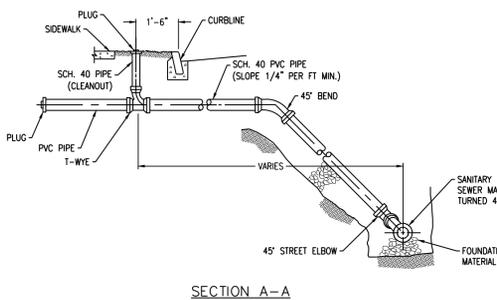


PLAN

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



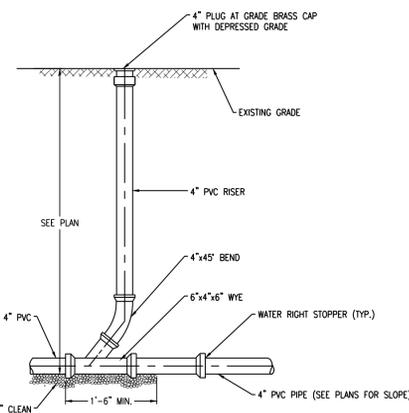
PLAN



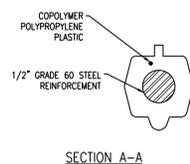
SECTION A-A

- GENERAL NOTES:**
- ALL COUPLINGS, PLUGS, SOIL PIPES & CAPS TO BE STANDARD FOR TYPE OF PIPE USED, INSTALLATION TO BE WATERIGHT.
 - HOUSE CONNECTIONS ARE TO BE 6\"/>
 - 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.

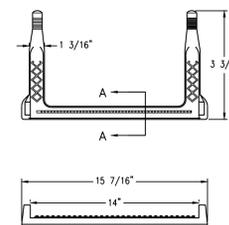


SANITARY CLEANOUT
N.T.S.



SECTION A-A

PLASTIC LADDER RUNG
N.T.S.



SECTION A-A

PLASTIC LADDER RUNG
N.T.S.

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ISSUE

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REVISION

NO.	DATE	DESCRIPTION	INT.

PRINCIPALS

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---	---	--

ASSOCIATES

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---	---	--

CHERYL SCHWENKER, AIA
NJ LIC 2140208000
PA LIC 0640707

THE LEARNING EXPERIENCE
109 & 115 SOUTH ORANGE AVENUE WEST
TOWNSHIP OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ
BLOCK 1904, LOTS 16&17

Project No: **TLENJ-S-17-264** Scale: **AS NOTED**

Drawn By: **LB** Approved By: **GPG**

Drawing Name: **DETAIL SHEET**

Drawing Number: **C-903**

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

Initial Date: **JANUARY 3, 2019**

GERARD P. GESARIO
PROFESSIONAL ENGINEER
N.J. LIC. #GE038255

S:\PROJECTS\TLENJ-S-17-264-TLE SOUTH ORANGE VILLAGE\17-264 C-903 DETAIL SHEET.DWG PLOTTED: 04/16/2019