

SITE PLAN

CARPORT PHOTOVOLTAIC SYSTEM

MILLSTONE RIVER ELEMENTARY SCHOOL

75 GROVERS MILL ROAD (BLOCK 2001 ~ LOT 1)

COMMUNITY MIDDLE SCHOOL

95 GROVERS MILL ROAD (BLOCK 1901 ~ LOT 3)

HIGH SCHOOL NORTH

90 GROVERS MILL ROAD (BLOCK 1902 ~ LOT 23)

SITUATED IN

PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

PREPARED FOR

GREENSKIES CLEAN ENERGY, LLC

127 WASHINGTON AVENUE
NORTH HAVEN, CT 06473



PREPARED BY

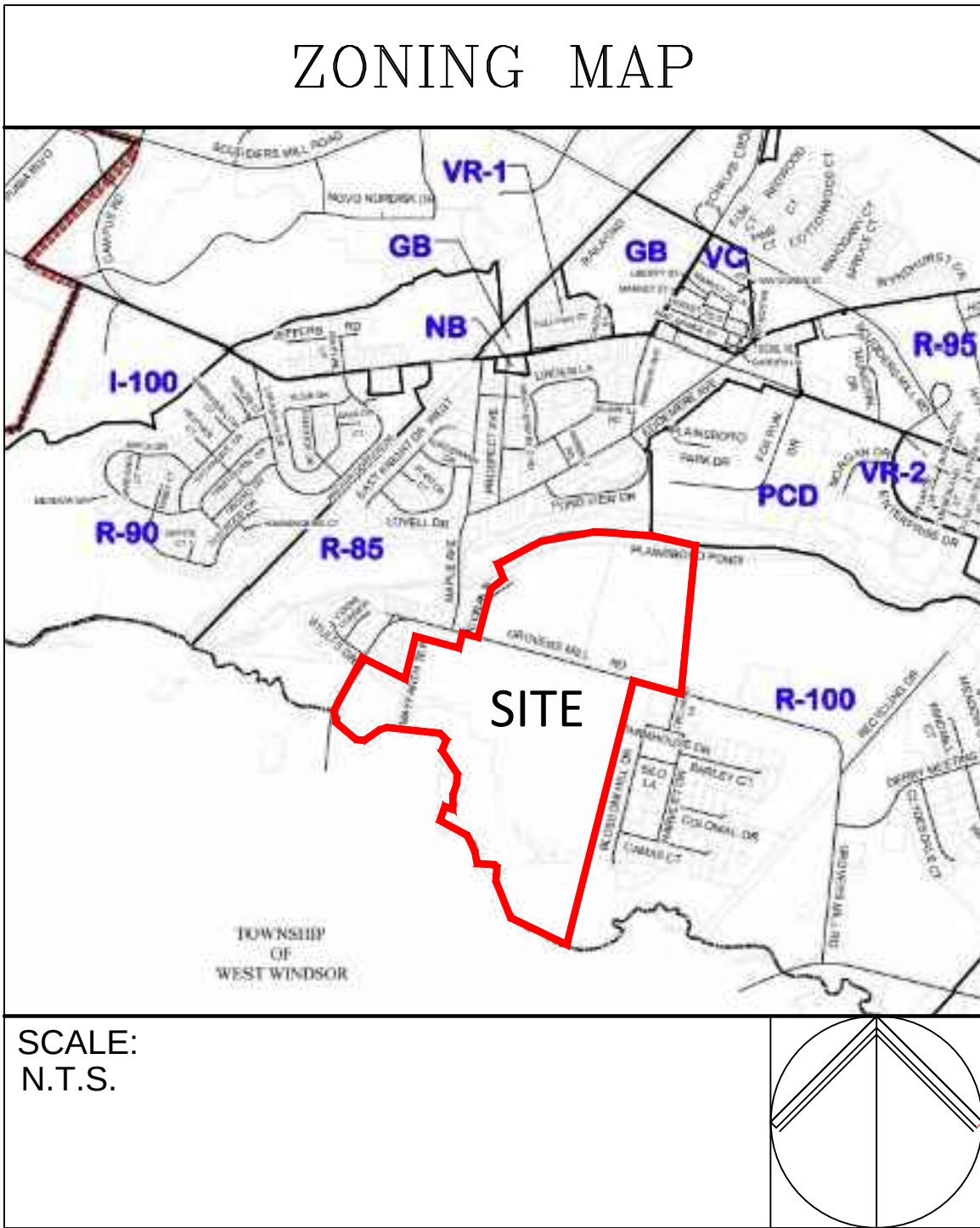
FWH ASSOCIATES, P.A.

CIVIL ENGINEERS LAND SURVEYORS
LANDSCAPE ARCHITECTS SITE PLANNERS
1856 ROUTE 9 TOMS RIVER NEW JERSEY 08755 (732)797-3100

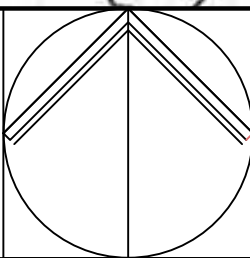
SHEET INDEX

Sheet	Title	Date
1	TITLE SHEET	12/08/25
2	EXISTING CONDITIONS PLAN-MILLSTONE RIVER ELEMENTARY SCHOOL	12/08/25
3	EXISTING CONDITIONS PLAN-COMMUNITY MIDDLE SCHOOL	12/08/25
4	EXISTING CONDITIONS PLAN-HIGH SCHOOL NORTH	12/08/25
5	SITE PLAN-MILLSTONE RIVER ELEMENTARY SCHOOL	12/08/25
6	SITE PLAN-COMMUNITY MIDDLE SCHOOL	12/08/25
7	SITE PLAN-HIGH SCHOOL NORTH	12/08/25
8	LIGHTING PLAN & DETAILS-MILLSTONE RIVER ELEMENTARY SCHOOL	12/08/25
9	LIGHTING PLAN & DETAILS-COMMUNITY MIDDLE SCHOOL	12/08/25
10	LIGHTING PLAN & DETAILS-HIGH SCHOOL NORTH	12/08/25
11	STAGING PLAN-MILLSTONE RIVER ELEMENTARY SCHOOL	12/08/25
12	STAGING PLAN-COMMUNITY MIDDLE SCHOOL	12/08/25
13	STAGING PLAN-HIGH SCHOOL NORTH	12/08/25
14-16	CONSTRUCTION DETAILS	12/08/25
17	CIRCULATION PLAN-MILLSTONE RIVER ELEMENTARY SCHOOL	01/22/26
18	CIRCULATION PLAN-COMMUNITY MIDDLE SCHOOL	01/22/26
19	CIRCULATION PLAN-HIGH SCHOOL NORTH	01/22/26

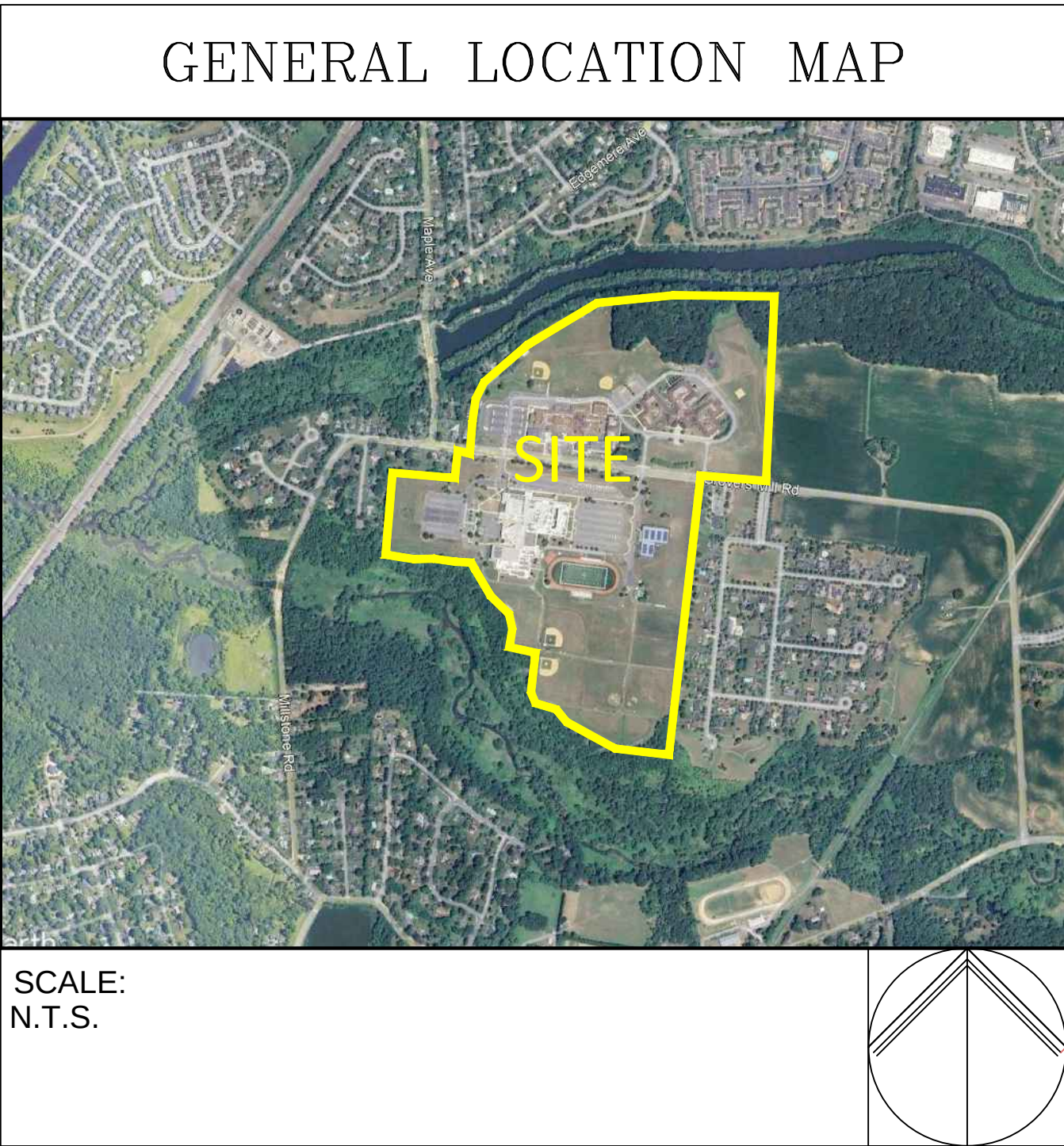
ZONING MAP



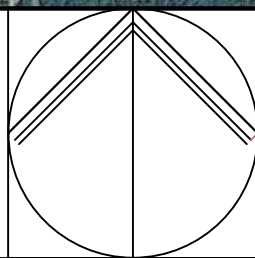
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N.T.S.



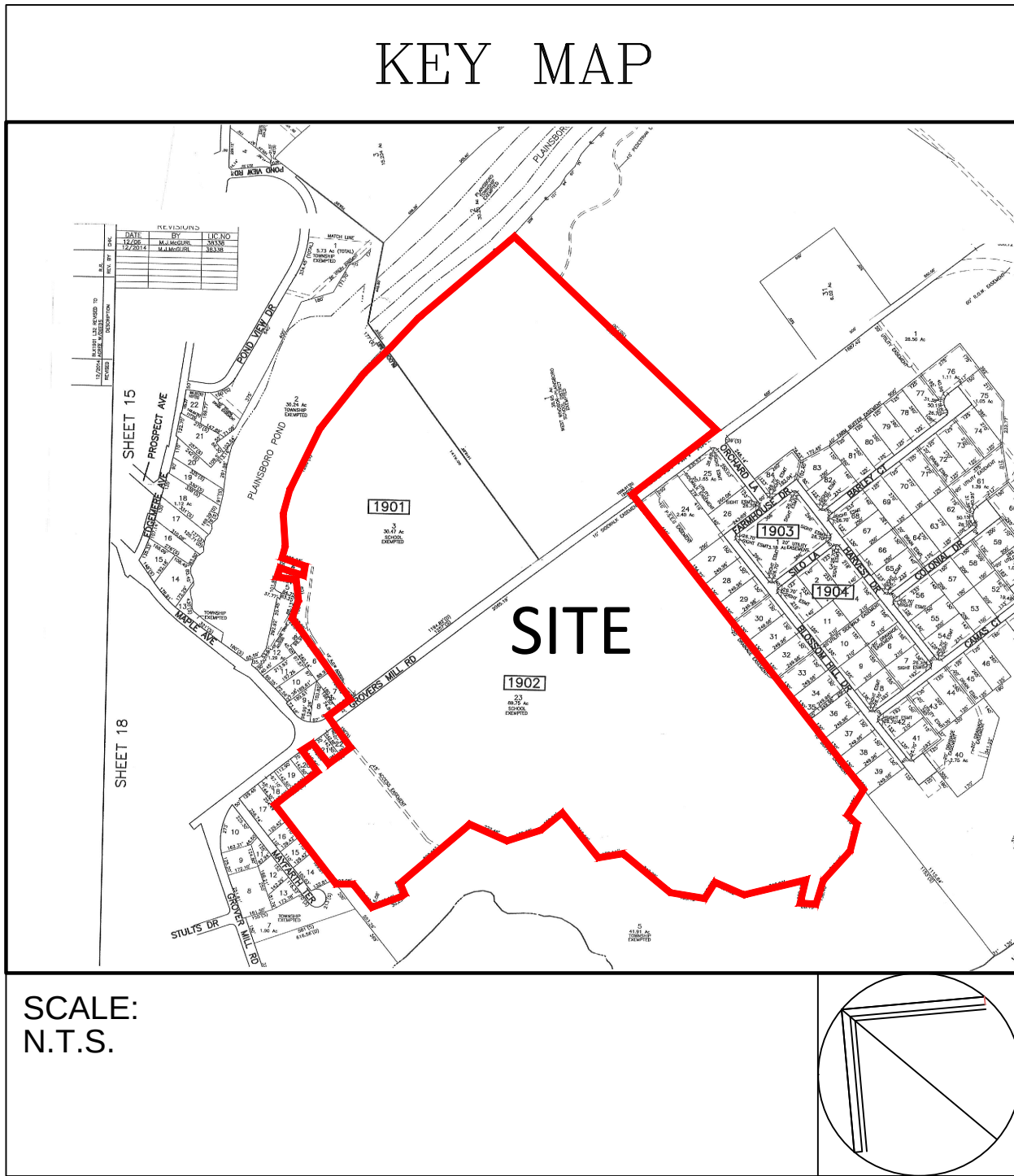
GENERAL LOCATION MAP



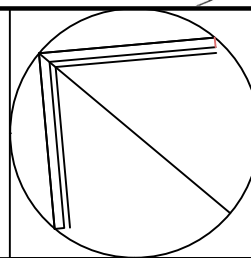
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N.T.S.



KEY MAP



SCALE:
N.T.S.



TITLE SHEET

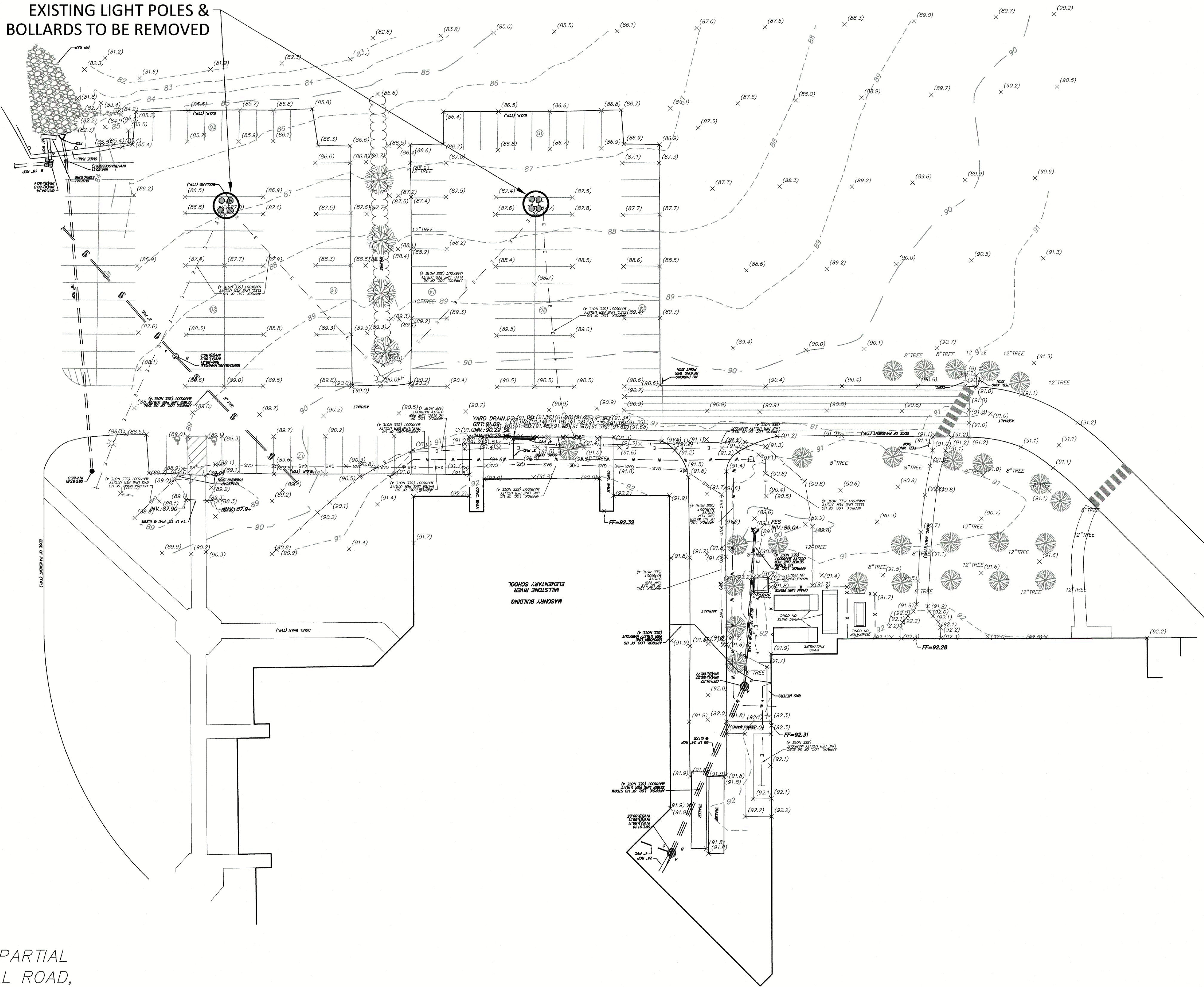
SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 ~ LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 ~ LOT 3)
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 ~ LOT 23)
SITUATED IN
PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY



Christopher P. Rosati
PROFESSIONAL ENGINEER
N.J. LIC. NO. 41981

DRAWN BY SA	DATE 10/28/25
DESIGNED BY JMF	SCALE N.T.S.
CHECKED BY JMF	DRAWER NO.
RELEASED BY CPR	PROJECT NO. 5696.0004
SHEET NO. 1	OF 19

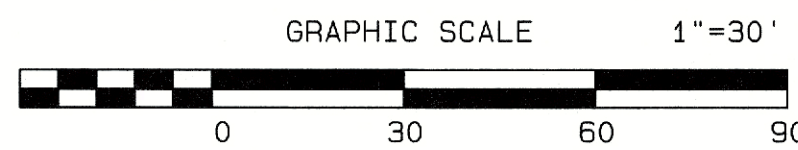
EXISTING LIGHT POLES &
BOLLARDS TO BE REMOVED



Existing Features Legend

- FIRE HYDRANT
- UTILITY POLE
- SANITARY CLEAN OUT
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- GUY WIRE
- GAS VALVE
- "A" INLET
- "B" INLET
- "C" INLET
- "E" INLET
- LIGHT POLE
- SIGN
- EXISTING TREE
- SPOT ELEVATION
- CHAIN LINK FENCE
- OVERHEAD WIRES
- STORM PIPE
- SANITARY PIPE
- WATER PIPE
- ELECTRIC LINE
- GAS LINE
- EXISTING CONTOUR

BASEMAP BASED OFF OF PLAN TITLED "PARTIAL
TOPOGRAPHIC SURVEY", 75 GROVERS MILL ROAD,
TAX LOT 1, BLOCK 2001, PREPARED BY
FWH ASSOCIATES P.A. SIGNED BY
WILLIAM P. SCHEMEL, PLS, DATED 07/20/2025



12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF	
10/28/25	REV PER TWP COMMENTS	SA	JMF	
DATE	REVISION	DRAWN	CHECKED	RELEASED

EXISTING CONDITIONS PLAN-MILLSTONE
RIVER ELEMENTARY SCHOOL

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)
COMMUNITY MIDDLE SCHOOL 45 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 13)
SITUATED IN
PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

FWH
ASSOCIATES, P.A.

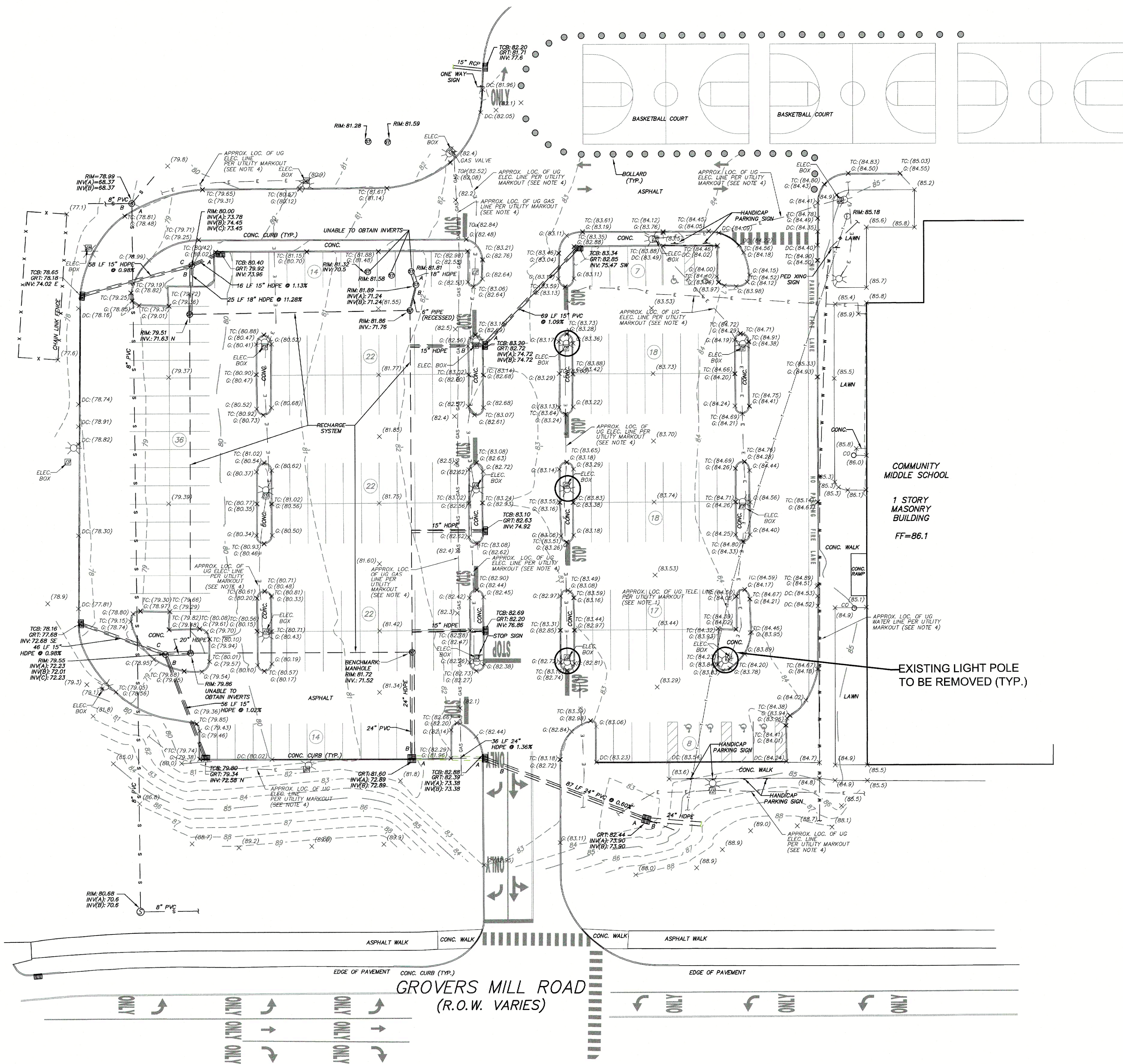
CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS
RESERVE SPECIALISTS
ARCHITECTS

FWHASSOCIATES.COM
1856 Rt. 9, Toms River, NJ 08755 T: 732.797.3100 F: 732.797.3223

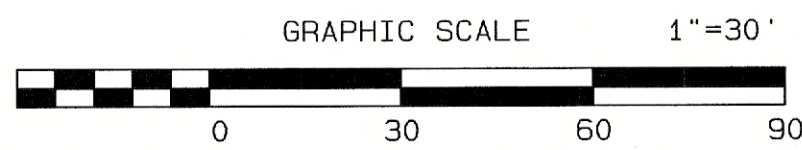
William P. Schemel

PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 36275

DRAWN BY	SA	DATE	10/28/25
DESIGNED BY	JMF	SCALE	1"=30'
CHECKED BY	JMF	DRAWN NO.	
RELEASED BY	WPS	PROJECT NO.	5696.0004
BRIEF NO.	OF		
2	19		



BASEMAP BASED OFF OF PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY", 95 GROVERS MILL ROAD, TAX LOT 3, BLOCK 1901, PREPARED BY FWH ASSOCIATES P.A. SIGNED BY WILLIAM P. SCHEMEL, PLS, DATED 05/30/2025



12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF
10/28/25	REV PER TWP COMMENTS	SA	JMF
DATE	REVISION	DRAWN	CHECKED RELEASED

EXISTING CONDITIONS PLAN-COMMUNITY MIDDLE SCHOOL

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)

SITUATED IN
PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

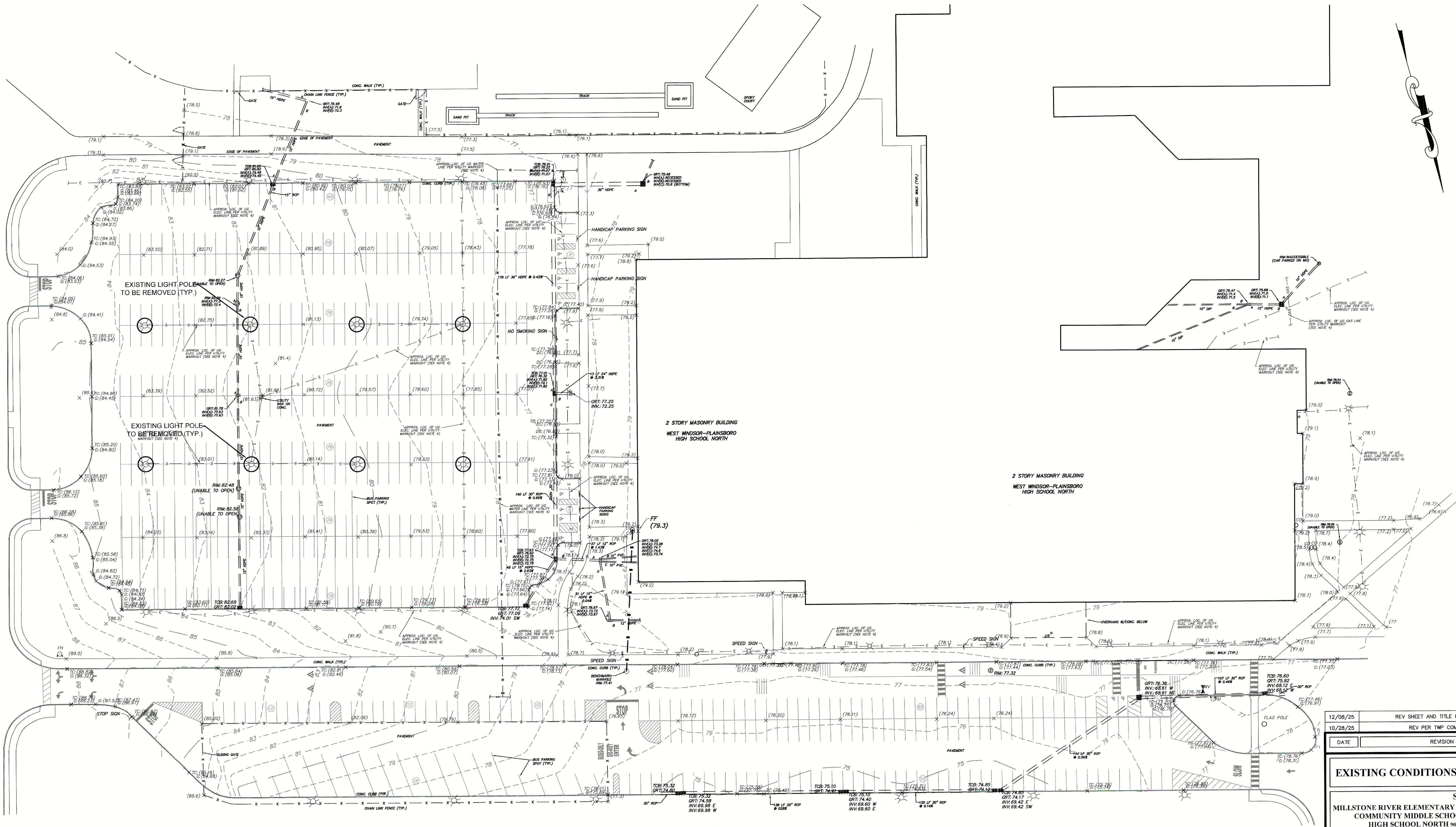
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William P. Schemel

PROFESSIONAL LAND SURVEYOR
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RELEASED BY WPS	PROJECT NO. 5696.0004
SHEET NO. 3	OF 19



Existing Features Legend

- FIRE HYDRANT
- UTILITY POLE
- SANITARY CLEAN OUT
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- GUY WIRE
- GAS VALVE
- "A" INLET
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- GAS
- GAS LINE
- EXISTING CONTOUR

DATE	REV SHEET AND TITLE INFORMATION	SA	JMF
12/08/25	REV PER TWP COMMENTS	SA	JMF
10/28/25	REVISION	DRAWN	CHECKED

EXISTING CONDITIONS PLAN-HIGH SCHOOL NORTH

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL, 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)
COMMUNITY MIDDLE SCHOOL, 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)
HIGH SCHOOL NORTH, 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)
SITUATED IN
PLAINSBOURNE TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

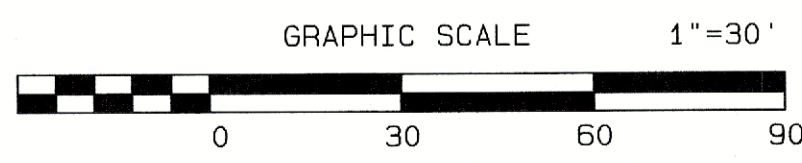
FWH
ASSOCIATES, P.A.

CIVIL ENGINEERS
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FWHASSOCIATES.COM
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William P. Schemel
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 36275

DRAWN BY	SA	DATE	10/28/25
DESIGNED BY	JMF	SCALE	1"=30'
CHECKED BY	JMF	DRAWN NO.	
RELEASED BY	WPS	PROJECT NO.	5695.0004
SHEET NO.	4		19

BASEMAP BASED OFF OF PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY", 90 GROVERS MILL ROAD, TAX LOT 23, BLOCK 1902, PREPARED BY FWH ASSOCIATES P.A. SIGNED BY WILLIAM P. SCHEMEL, PLS, DATED 06/17/2025



PHOTOVOLTAIC SYSTEM DETAILS

SYSTEM SIZE (DC):	646.37 Kw
SYSTEM SIZE (AC):	500.00 Kw
DC/AC RATIO:	1.29
MODULE MODEL:	JA SOLAR, JAM72D30 545/MB 545W
MODULE RATING (STC):	545 W
TOTAL MODULE QTY:	1,186
CARPORT #1:	540 MODULES
CARPORT #2:	646 MODULES
RACKING:	CARPORT
TILT / AZIMUTH:	2° TILT @ 150° AZIMUTH

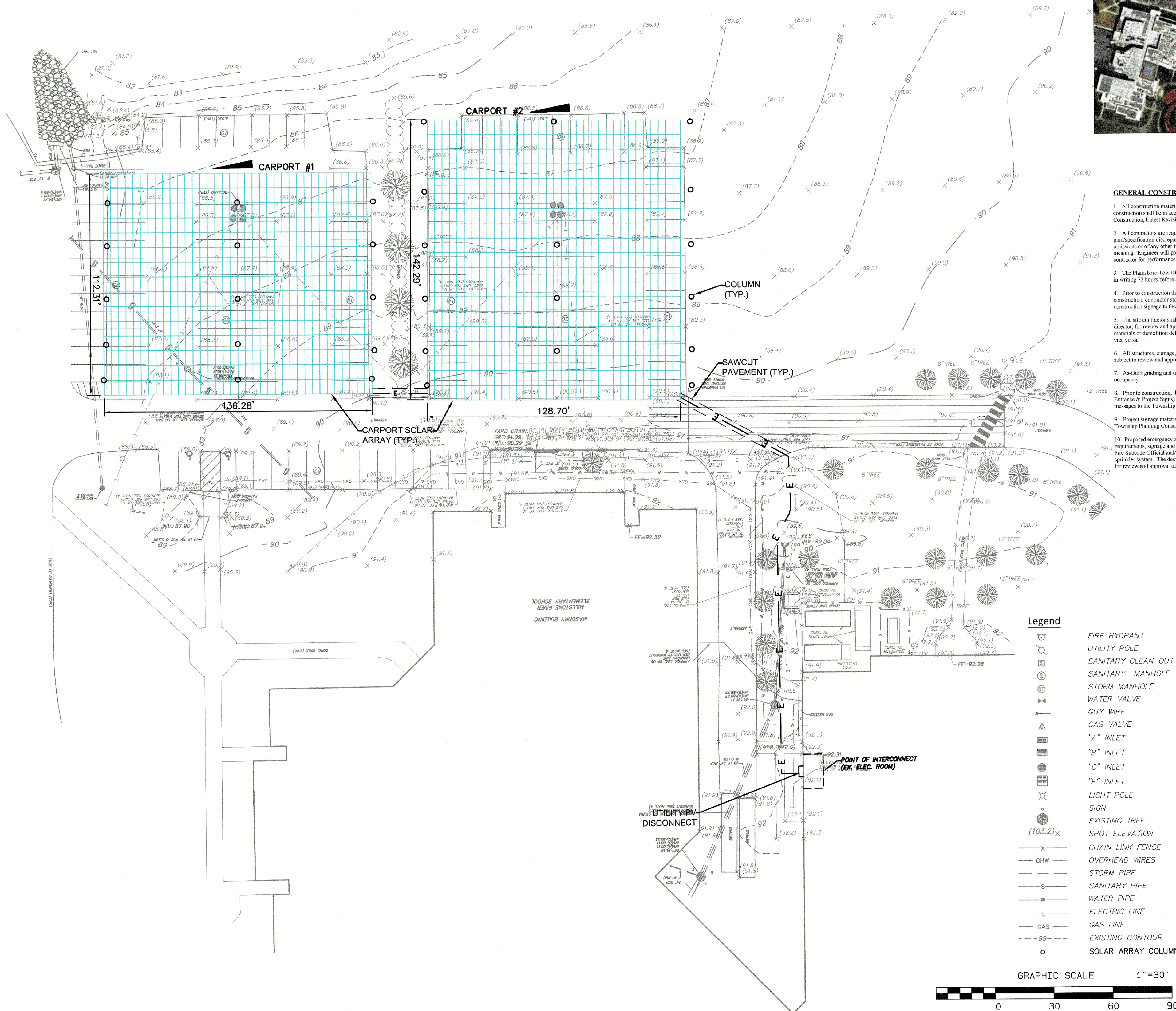
Solar General Notes:

- Solar panel parking canopy spacing shall be Min. 20' and Max. 32' between structures.
- All existing curb that is damaged/disturbed shall be replaced to the nearest sound joint as required.
- All parking space striping within the construction areas and under the solar canopy's shall be re-striped. All remaining existing striping outside of the construction area shall be re-striped by owner if needed.
- All trees and plants not being removed as part of the proposed improvements shall be protected to the best extent possible. Any trees that are removed or damaged as a result of the proposed project shall be replaced. Any landscaping other than trees shall be replaced with like landscaping materials, subject to the review and approval of the Planning Board Engineer's Office.
- All existing pole mounted lighting within the limits of the solar canopy system shall be removed.
- Solar canopy columns were designed to be locate either in a parking island or in between two rows of parking. No parking stalls are expected to be lost due to the proposed improvements.

AERIAL MAP
SCALE: N.T.S.

GENERAL CONSTRUCTION NOTES:

- All construction materials and methods for roadway, paving, site work and drainage construction shall be in accordance with NIDOT Specifications for Road and Bridge Construction, Latest Revision, except as modified herein and in the specifications.
- All contractors are required to notify engineer immediately (and prior to construction) of any plan/specification discrepancies, layout/elevation discrepancies, conflicts, apparent errors, omissions or of any other information contained herein which the contractor feels is unclear as to meaning. Engineer will provide clarification and, if necessary, corrections as required by the contractor for performance of contractors work.
- The Plainsboro Township Engineer and Freehold Soil Conservation District shall be notified in writing 72 hours before any land disturbance.
- Prior to construction the contractor shall submit information and plans relating to phasing of construction, contractor storage of materials, contractor parking, contractors trailers and construction signage to the township engineer for approval.
- The site contractor shall submit a "Hauling Plan" to the township community development director, for review and approval, prior to construction for the movement of any construction materials or demolition debris on roadways leading from the site to the township borders and vice versa.
- All structures, signage, structural details and foundations, and building retaining walls are subject to review and approval by the township construction code official.
- As-built grading and utilities shall be provided at the time of the request for certificate of occupancy.
- Prior to construction, the contractor shall submit a plan with all construction signage (e.g. Entrance & Project Signs) and details including color, number of signs, size of signs and messages to the Township Engineer for approval.
- Project signage materials, size and type are subject to the review and approval of the Township Planning Consultant.
- Proposed emergency access to and around the proposed building, as well as all fire line requirements, signage and markings, fire hydrant locations and connections are subject to Fire Subcode Official and/or Marshall approval. The proposed building will employ an internal sprinkler system. The design and adequacy of the proposed sprinkler system shall be submitted for review and approval of the Township Fire Code Official.
- All imported fill materials shall be tested for the US EPA Target Analyte List/Target Compound List (TAL/TCL) 110 prior to delivery to the project. Testing intervals to be one (1) test per each source of material from undisturbed natural ground. Testing intervals for all other sources to be determined upon the volume of fill to be imported.
- An as-built plan and certification shall be provided for the storm infiltration system design engineer indicating that the system has been constructed in accordance with the final plans and specifications and that the system will function as originally designed prior to bond release.
- The contractor shall submit to the township for review and approval prior to site disturbance a detailed sequence of construction and contractor's staging plan to separate and manage construction traffic and private vehicle traffic. This will further establish the contractor's work and staging for each phase of construction including items such as walkways, pedestrian crosswalks, demolition, installation of structures, underground utilities and drainage, and off-site improvements, if any.
- All pavement striping and markings shall be thermoplastic.
- All traffic signage shall be retroreflective and shall have concrete foundations.
- As-built grading and utilities shall be provided at the time of the request for certificate of occupancy. The final as-built plan shall be provided to the township planning staff as both a hard copy (paper or mylar) and as a digital electronic document. The digital data used for such documents shall be in vector format and contain coordinate values for at least (3) identifiable boundary corners (preferably in the 1983 New Jersey State Plan Coordinate System).
- Signage shall be provided consistent with Princeton Forestal Center Design Requirements signage materials, size and type are subject to the review and approval of the township. All traffic signs shall be in accordance with M.U.T.C.D. and design details as identified on detail sheet.
- The locations of all fire lines are subject to review by the Township Fire Official.



SITE PLAN-MILLSTONE RIVER ELEMENTARY SCHOOL

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 3081 - LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1984 - LOT 3)
HIGH SCHOOL NORTH 96 GROVERS MILL ROAD (BLOCK 1982 - LOT 23)

CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS
RESERVE SPECIALISTS
ARCHITECTS
FWH ASSOCIATES, P.A.
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Christopher P. Rosati
PROFESSIONAL ENGINEER
N.J. LIC. NO. 41981

DRAWN BY	SA	DATE	10/28/25
DESIGNED BY	JMF	SCALE	1"=30'
CHECKED BY	JMF	DRAWER NO.	
RELEASED BY	CPR	PROJECT NO.	5696.0004
SHEET NO.	5	OF	19

July 17, 2025 Client# 5696.0004 List of adjacent within 200 feet	Block 1901 Lot 2 Owner(s)	Block 1901 Lot 10 Mogal, Vinay P & Rupa 44 Maple Avenue Plainsboro, NJ 08536	Block 1902 Lot 12 Lumsdang, Jhremie 3 Mayfair Ter Plainsboro, NJ 08536	Block 1902 Lot 22 Shaik, Ghoush Basha & Anitha 104 Grovers Mill Rd Plainsboro, NJ 08536	Block 1902 Lot 35 Crossing at Grovers Mill Homeowners 7 Carma Court Plainsboro, NJ 08536	FSE&G Manager - Corporate Properties 80 Park Plaza, 7th Newark, NJ 07102
Block 1901 Lot 120 Kavalish, Devika 109 Grovers Mill Rd Plainsboro, NJ 08536	Block 1901 Lot 11 Sharma, Manish Kumar & Mohini 42 Maple Ave Plainsboro, NJ 08536	Block 1901 Lot 12 Rabibay, Gregory & Kishina, Anna 40 Maple Ave Plainsboro, NJ 08536	Block 1902 Lot 13 Johnson, Olin T & Sandy W 5 Mayfair Terrace Plainsboro, NJ 08536	Block 1902 Lot 24 RBN/Plainsboro LLC 20 Harrison Avenue Waldwick, NJ 07043	Block 1902 Lot 36 King, Mark Lincoln & Jennifer A 17 Blossom Hill Drive Plainsboro, NJ 08536	Concast Cable Vision 95 Lake Avenue Baird Windsor, NJ 08620
Block 1901 Lot 121 Batta, Navien & Aiyu 111 Grovers Mill Rd Plainsboro, NJ 08536	Block 1902 Lot 1 Walker Gordon Laboratory Company PO Box 428 Plainsboro, NJ 08536	Block 1902 Lot 4 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 14 Bauer, Eckhard Bux 4 Mayfair Ter Plainsboro, NJ 08536	Block 1902 Lot 25 Crossing at Grovers Mill Homeowners 7 Carma Court Plainsboro, NJ 08536	Block 1902 Lot 37 Natarajan, Narayanan & Jayasree 19 Blossom Hill Drive Plainsboro, NJ 08536	United Water Princeton Meadows subsidiary of United Water Mid-Atlantic 95 Lake Avenue Mount Arlington, NJ 07058-1315
Block 1901 Lot 122 Scott, Wanda 115 Grovers Mill Road Plainsboro, NJ 08536	Block 1902 Lot 1 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 5 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 15 Pandolpho, Beth 4 Mayfair Ter Plainsboro, NJ 08536	Block 1902 Lot 27 Gualti, Hitesh & Ashu 1 Blossom Hill Dr Plainsboro, NJ 08536	Block 1902 Lot 38 Anand, Anuj & Ratna 21 Blossom Hill Dr Plainsboro, NJ 08536	Story Brook Regional Sewerage Authority 290 River Road Princeton, NJ 08540
Block 1901 Lot 2 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 4 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 6 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 16 Banerjee, Santanu & Kasturi 2 Mayfair Terrace Plainsboro, NJ 08536	Block 1902 Lot 28 Hsiao, Kenneth & Ellen Lee 3 Blossom Hill Drive Plainsboro, NJ 08536	Block 1902 Lot 39 Anumugham, Rajumar S & Shina, Anupam 23 Blossom Hill Dr Plainsboro, NJ 08536	Right-of-Way Dept. Sun Pipe Line Co. 361 Penn Center 20' Floor, 1801 Market Street Philadelphia, PA 19103-1699
Block 1901 Lot 4 Vegetrinal, William & Kathleen 19 Coca Lane Plainsboro, NJ 08536	Block 1902 Lot 5 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 7 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 17 Chew, William 116 Grovers Mill Rd Plainsboro, NJ 08536	Block 1902 Lot 29 Xu, Ke & Yan, Wei 4 Blossom Hill Drive Plainsboro, NJ 08536	Block 2001 Lot 2 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Director of Planning for Mercer County PO Box 8008 Trenton, NJ 08650
Block 1901 Lot 5 Simmins, Stephan & Ramirez, Eliana 99 Grovers Mill Road Plainsboro, NJ 08536	Block 1902 Lot 6 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 10 Gedrich, Ryan & Zoya 118 Grovers Mill Road Plainsboro, NJ 08536	Block 1902 Lot 18 Goyal, Anil & Bindya 114 Grovers Mill Rd Plainsboro, NJ 08536	Block 1902 Lot 30 Prasad, Chettur & Vidya 7 Blossom Hill Drive Plainsboro, NJ 08536	Block 2001 Lot 30 Walker Gordon Laboratory Company PO Box 428 Plainsboro, NJ 08536	Concast Cable Communications, Inc. Andy Corles Area Construction Supervisor - Moremouth Cluster 751 Brick Blvd. Brick, NJ 08723
Block 1901 Lot 6 Behrooz, Kiri & Behrooz, Sonia 103 Grovers Mill Road Plainsboro, NJ 08536	Block 1902 Lot 7 Township of Plainsboro 641 Plainsboro Road Plainsboro, NJ 08536	Block 1902 Lot 11 Rauh, Francis ELUX 120 Grovers Mill Rd Plainsboro, NJ 08536	Block 1902 Lot 19 Hulton, Janet A 112 Grovers Mill Road Plainsboro, NJ 08536	Block 1902 Lot 31 Vennartala, L N & Kathaguridra, SP 9 Blossom Hill Dr Plainsboro, NJ 08536		
Block 1901 Lot 7 Wang, Paracas & Mao, Julie 106 Grovers Mill Road Plainsboro, NJ 08536	Block 1902 Lot 10 Gedrich, Ryan & Zoya 118 Grovers Mill Road Plainsboro, NJ 08536		Block 1902 Lot 20 Krishnan, Kumar & Kumar, Remya 110 Grovers Mill Road Plainsboro, NJ 08536	Block 1902 Lot 32 Amin, Rakash & Smita 1 Blossom Hill Drive Plainsboro, NJ 08536		Director of Planning for Middlesex County Middlesex County Administration 75 Bayard Street, 9' Floor New Brunswick, NJ 08901
Block 1901 Lot 8 Lettie, Jose G F & Elisavinda C 107 Grovers Mill Rd Plainsboro, NJ 08536			Block 1902 Lot 21 Kennedy, Thomas F 109 Grovers Mill Rd Plainsboro, NJ 08536	Block 1902 Lot 33 Linga, Krishna & Smita 13 Blossom Hill Drive Plainsboro, NJ 08536		Numerica Water 1341 North Avenue Plainfield, NJ 07061-0001
Block 1901 Lot 9 Tokosov, Angel & Tokosov, Netka 45 Maple Avenue Plainsboro, NJ 08536				Block 1902 Lot 34 Huang, Amy T. Yuester 15 Blossom Hill Drive Plainsboro, NJ 08536		NJ Dept. of Transportation 1005 Parkway Avenue CN 600 Trenton, NJ 08625

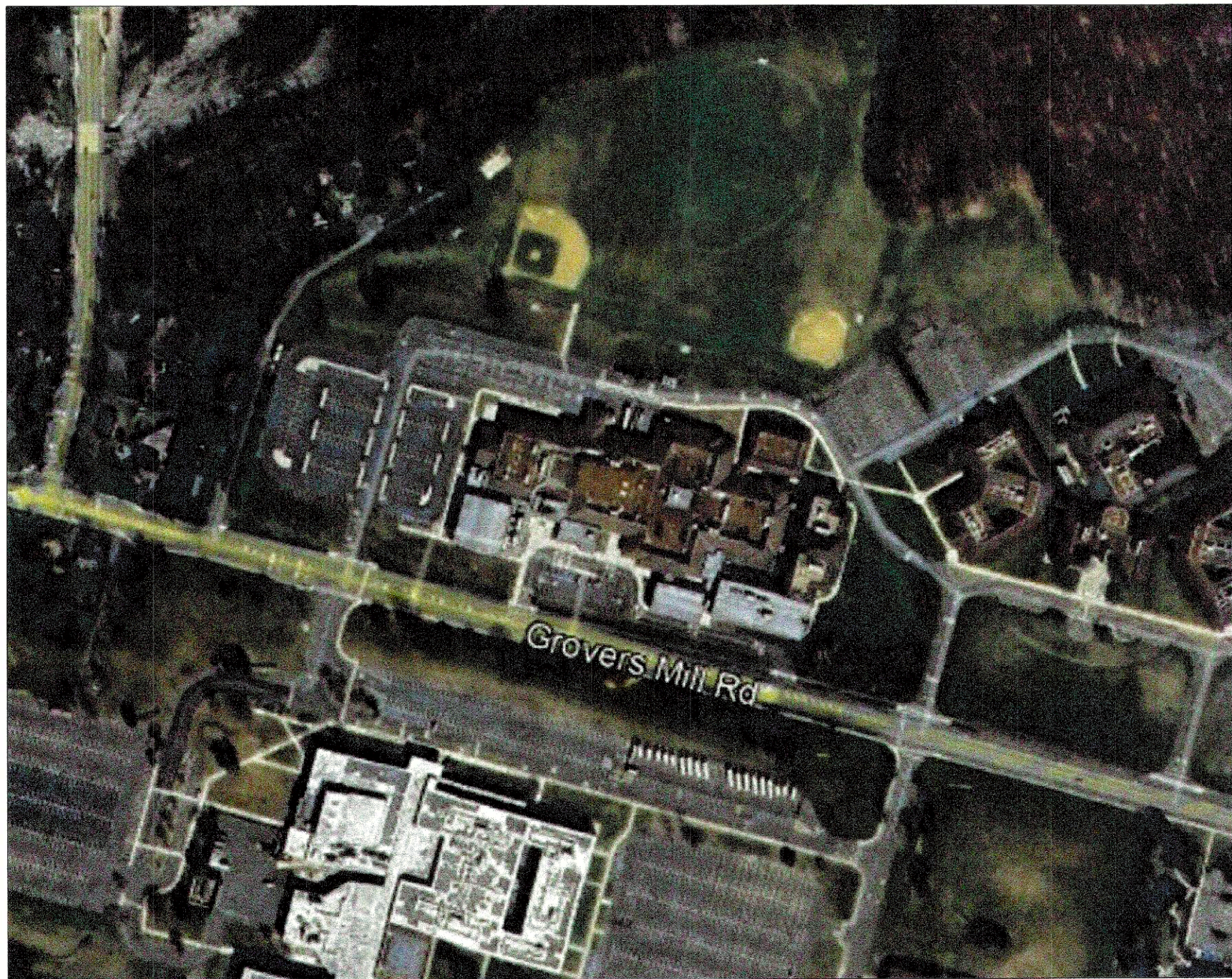
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- The Plainsboro Township Engineer and Freehold Soil Conservation District shall be notified in writing 72 hours before any land disturbance.
- Prior to construction the contractor shall submit information and plans relating to phasing of construction, contractor storage of materials, contractor parking, contractors trailers and construction signage to the township engineer for approval.
- The site contractor shall submit a "Hauling Plan" to the township community development director, for review and approval, prior to construction for the movement of any construction materials or demolition debris on roadways leading from the site to the township borders and vice versa.
- All structures, signage, structural details and foundations, and building retaining walls are subject to review and approval by the township Construction Code Official.
- As-Built grading and utilities shall be provided at the time of the request for certificate of occupancy.
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- All existing curb that is damaged/disturbed shall be replaced to the nearest sound joint as required.
- All parking space striping within the construction areas and under the solar canopy's shall be re-striped. All remaining existing striping outside of the construction area shall be re-striped by owner if needed.
- All trees and plants not being removed as part of the proposed improvements shall be protected to the best extent possible. Any trees that are removed or damaged as a result of the proposed project shall be replaced. Any landscaping other than trees shall be replaced with like landscaping materials, subject to the review and approval of the Planning Board Engineer's Office.
- All existing pole mounted lighting within the limits of the solar canopy system shall be removed.
- Solar canopy columns were designed to be locate either in a parking island or in between two rows of parking. No parking stalls are expected to be lost due to the proposed improvements.

Solar General Notes:

- Solar panel parking canopy spacing shall be Min. 20' and Max. 32' between structures.
- All existing curb that is damaged/disturbed shall be replaced to the nearest sound joint as required.
- All parking space striping within the construction areas and under the solar canopy's shall be re-striped. All remaining existing striping outside of the construction area shall be re-striped by owner if needed.
- All trees and plants not being removed as part of the proposed improvements shall be protected to the best extent possible. Any trees that are removed or damaged as a result of the proposed project shall be replaced. Any landscaping other than trees shall be replaced with like landscaping materials, subject to the review and approval of the Planning Board Engineer's Office.
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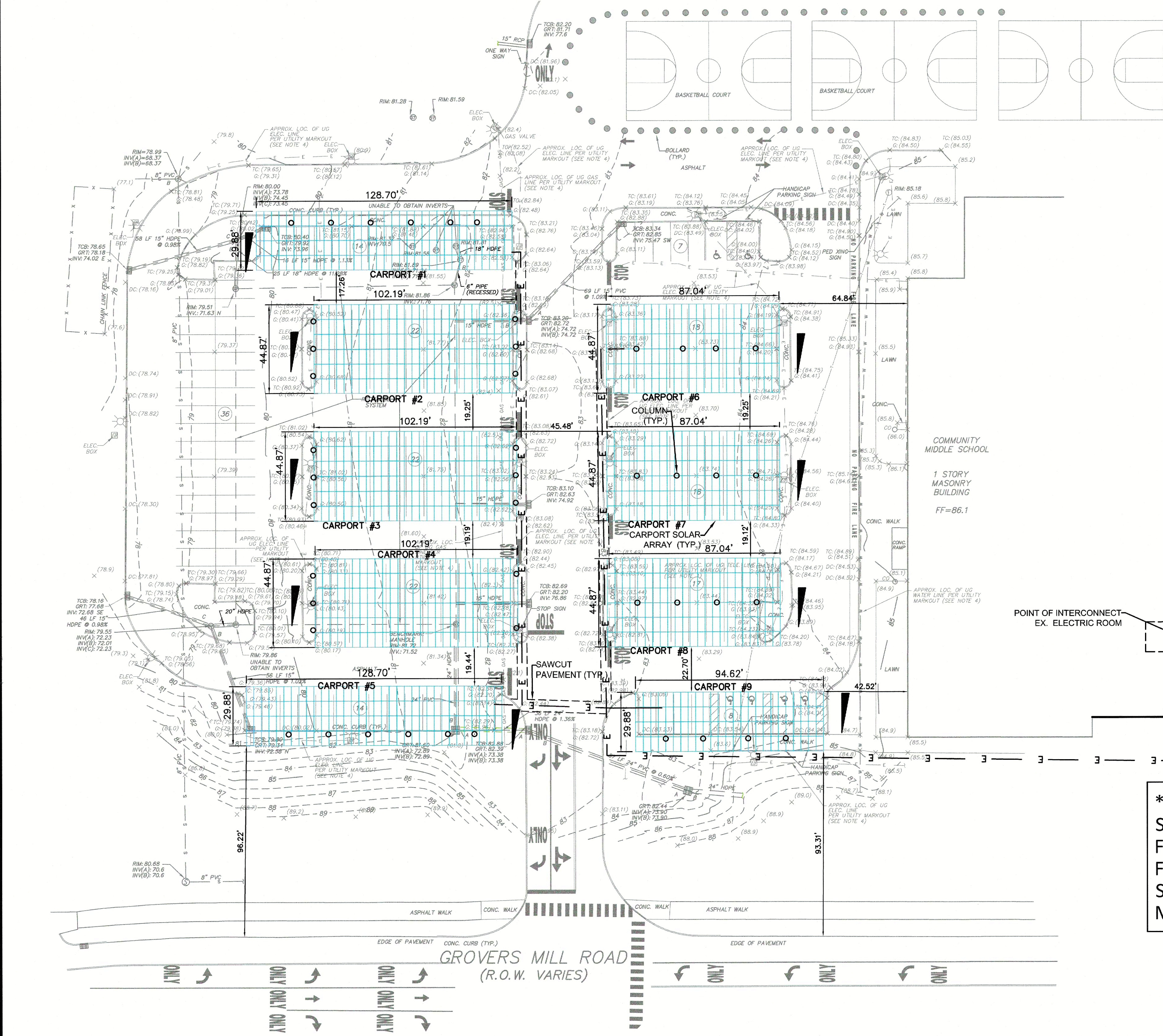


AERIAL MAP

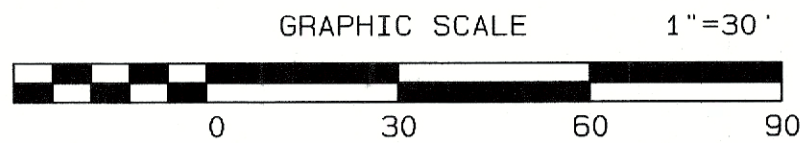
SCALE: N.T.S.

PHOTOVOLTAIC SYSTEM DETAILS

SYSTEM SIZE (DC):	686.88 Kw
SYSTEM SIZE (AC):	565.00 Kw
DC/AC RATIO:	1.22
MODULE MODEL:	JA SOLAR, JAM72D30 545/MB 545W
MODULE RATING (STC):	540 W
TOTAL MODULE QTY:	1,272
CARPORT #1:	136 MODULES
CARPORT #2:	162 MODULES
CARPORT #3:	162 MODULES
CARPORT #4:	162 MODULES
CARPORT #5:	136 MODULES
CARPORT #6:	138 MODULES
CARPORT #7:	138 MODULES
CARPORT #8:	138 MODULES
CARPORT #9:	100 MODULES
RACKING:	CARPORT
TILT / AZIMUTH:	10° TILT @ 195.37° AZIMUTH



****CARPORTS #2, #3 & #4 SPAN OVER AN EXISTING STORMWATER RECHARGE SYSTEM. COLUMN FOUNDATION LOCATIONS MUST BE COORDINATED WITH FWH ASSOCIATES PRIOR TO CONSTRUCTION. STORMWATER RECHARGE SYSTEM MAY NOT BE MODIFIED OR COMPROMISED.**



12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF
10/28/25	REV PER TWP COMMENTS	SA	JMF
DATE	REVISION	DRAWN	CHECKED RELEASED

SITE PLAN-COMMUNITY MIDDLE SCHOOL
SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)
SITUATED IN PLAINSBO RO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS
RESERVE SPECIALISTS
ARCHITECTS

FWH ASSOCIATES.COM

1856 Rt. 9, Torne River, NJ 08755 T: 732.797.3100 F: 732.797.3223

Christopher P. Rosati <i>Christopher P. Rosati</i> PROFESSIONAL ENGINEER N.J. LIC. NO. 41981	DRAWN BY: SA DESIGNED BY: JMF CHECKED BY: JMF RELEASED BY: CPR SHEET NO. OF: 6	DATE: 10/28/25 SCALE: 1"=30' DRAWER NO.: PROJECT NO.: 5696.0004 19
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July 17, 2025 Client# 5696.0004
List of addressees within 200 feet
Block 1902 Lot 25 Owner(s)
Block 1901 Lot 120 Kauschal, Devika
109 Groves Mill Rd
Plainsboro, NJ 08536
Block 1901 Lot 121 Batra, Navan & Anju
111 Groves Mill Rd
Plainsboro, NJ 08536
Block 1901 Lot 122 Scott, Vanda
115 Groves Mill Road
Plainsboro, NJ 08536
Block 1901 Lot 2 Township of Plainsboro
641 Plainsboro Road
Plainsboro, NJ 08536
Block 1901 Lot 4 Vegetrland, William & Kathleen
19 Gora Lane
Plainsboro, NJ 08536
Block 1901 Lot 5 Simminis, Stephan & Pamires, Elana
99 Groves Mill Road
Plainsboro, NJ 08536
Block 1901 Lot 6 Bebenov, Kiri & Bebenova, Sonia
103 Groves Mill Road
Plainsboro, NJ 08536
Block 1901 Lot 7 Wong, Pincas & Mao, Julie
105 Groves Mill Road
Plainsboro, NJ 08536
Block 1901 Lot 8 Lelle, Jose G.F. & Elvengrims C
107 Groves Mill Rd
Plainsboro, NJ 08536
Block 1901 Lot 9 Todorov, Angel & Todorova, Netka
40 Maple Avenue
Plainsboro, NJ 08536

Block 1901 Lot 10 Mogal, Vinay P & Rupa
44 Maple Avenue
Plainsboro, NJ 08536
Block 1901 Lot 11 Sharma, Manish Kumar & Mohini
42 Maple Ave
Plainsboro, NJ 08536
Block 1901 Lot 12 Palichy, Cegry & Kilishina, Anna
40 Maple Ave
Plainsboro, NJ 08536
Block 1902 Lot 1 Walker Gordon Laboratory Company
170 Dux 420
Plainsboro, NJ 08536
Block 1902 Lot 4 Township of Plainsboro
641 Plainsboro Road
Plainsboro, NJ 08536
Block 1902 Lot 5 Township of Plainsboro
641 Plainsboro Road
Plainsboro, NJ 08536
Block 1902 Lot 6 Township of Plainsboro
641 Plainsboro Road
Plainsboro, NJ 08536
Block 1902 Lot 7 Township of Plainsboro
641 Plainsboro Road
Plainsboro, NJ 08536
Block 1902 Lot 10 Gedrich, Iya & Zoya
110 Groves Mill Road
Plainsboro, NJ 08536
Block 1902 Lot 11 Reuh, France ETLUX
120 Groves Mill Road
Plainsboro, NJ 08536

Block 1902 Lot 12 Lumandon, Jerome
3 Mayfair Ter
Plainsboro, NJ 08536
Block 1902 Lot 13 Johnson, Olin T & Sandy W
3 Mayfair Terrace
Plainsboro, NJ 08536
Block 1902 Lot 14 Bauer, Eckhard Eux
3 Mayfair Terrace
Plainsboro, NJ 08536
Block 1902 Lot 15 Pandotho, Bath
4 Mayfair Ter
Plainsboro, NJ 08536
Block 1902 Lot 16 Banerjee, Santanu & Kasturi
2 Mayfair Terrace
Plainsboro, NJ 08536
Block 1902 Lot 17 Chow, William
116 Groves Mill Rd
Plainsboro, NJ 08536
Block 1902 Lot 18 Ouyi, Anni & Binnya
114 Groves Mill Rd
Plainsboro, NJ 08536
Block 1902 Lot 19 Hutton, Janet A
112 Groves Mill Road
Plainsboro, NJ 08536
Block 1902 Lot 20 Krishnan, Kumar & Kumar Ramya
110 Groves Mill Road
Plainsboro, NJ 08536
Block 1902 Lot 21 Kennedy, Thomas F
156 Groves Mill Rd
Plainsboro, NJ 08536
Block 1902 Lot 22 Shak, Ghoush Basha & Anitha
104 Groves Mill Rd
Plainsboro, NJ 08536

Block 1902 Lot 24 RBM Plainsboro LLC
20 Harrison Avenue
Waldwick, NJ 07463
Block 1902 Lot 25 Crossing at Groves Mill Homeowners
7 Carmo Court
Plainsboro, NJ 08536
Block 1902 Lot 27 Gulati, Higen & Ashu
1 Blossom Hill Dr
Plainsboro, NJ 08536
Block 1902 Lot 28 Khaw, Kenneth & Ellen Lee
3 Blossom Hill Drive
Plainsboro, NJ 08536
Block 1902 Lot 29 Xu, Ke & Yan, Wei
3 Blossom Hill Drive
Plainsboro, NJ 08536
Block 1902 Lot 30 Phrad, Chelur & Veda
7 Blossom Hill Drive
Plainsboro, NJ 08536
Block 1902 Lot 31 Yenimalla, L N S Kathagundia, S P
Plainsboro, NJ 08536
Block 1902 Lot 32 Amin, Prakash & Smith
11 Blossom Hill Drive
Plainsboro, NJ 08536
Block 1902 Lot 33 Ling, Krishna & Smith
13 Blossom Hill Drive
Plainsboro, NJ 08536
Block 1902 Lot 34 Huang, Ann Y. Trustee
15 Blossom Hill Drive
Plainsboro, NJ 08536

Block 1902 Lot 35 Crossing at Groves Mill Homeowners
7 Carmo Court
Plainsboro, NJ 08536
Block 1902 Lot 36 King, Mark Lincoln & Jennifer A
17 Blossom Hill Drive
Plainsboro, NJ 08536
Block 1902 Lot 37 Natarajan, Nagesan & Jayasree
19 Blossom Hill Drive
Plainsboro, NJ 08536
Block 1902 Lot 38 Anand, Anuj & Ratna
21 Blossom Hill Dr
Plainsboro, NJ 08536
Block 1902 Lot 39 Arumugham, Rajumar S & Sina
22 Blossom Hill Dr
Plainsboro, NJ 08536
Block 2001 Lot 2 Township of Plainsboro
641 Plainsboro Road
Plainsboro, NJ 08536
Block 2001 Lot 30 Walker Gordon Laboratory Company
170 Dux 420
Plainsboro, NJ 08536

NJ Dept. of Transportation
1038 Parkway Avenue
CN 600
Trenton, NJ 08625
PSEG
Manager - Corporate Properties
60 Park Plaza, 10th
Newark, NJ 07102
Comcast Cable Vision
60 Lake Avenue
East Windsor, NJ 08820
United Water Princeton Meadows subsidiary of United Water
MS-Atlantic
111 Howard Boulevard, Suite 203
Mount Arlington, NJ 07855-1315
Stony Brook Regional Sewerage Authority
200 Wier Road
Princeton, NJ 08540
Right-Way Dept. Sun Pipe Line Co.
Ten Penn Center 2nd Floor, 1801 Market Street
Philadelphia, PA 19103-1699
Director of Planning for Middlesex County
Middlesex County Administration
75 Bayard Street, 5th Floor
New Brunswick, NJ 08901
NJ American Water
1541 North Avenue
Ranfield, NJ 07061-0001
Director of Planning for Mercer County
PO Box 1008
Trenton, NJ 08650
Comcast Cable Communications, Inc.
Andy Cortes
Area Construction Supervisor - Monmouth Cluster
751 Brick Blvd. Brick, NJ 08723

GENERAL CONSTRUCTION NOTES:

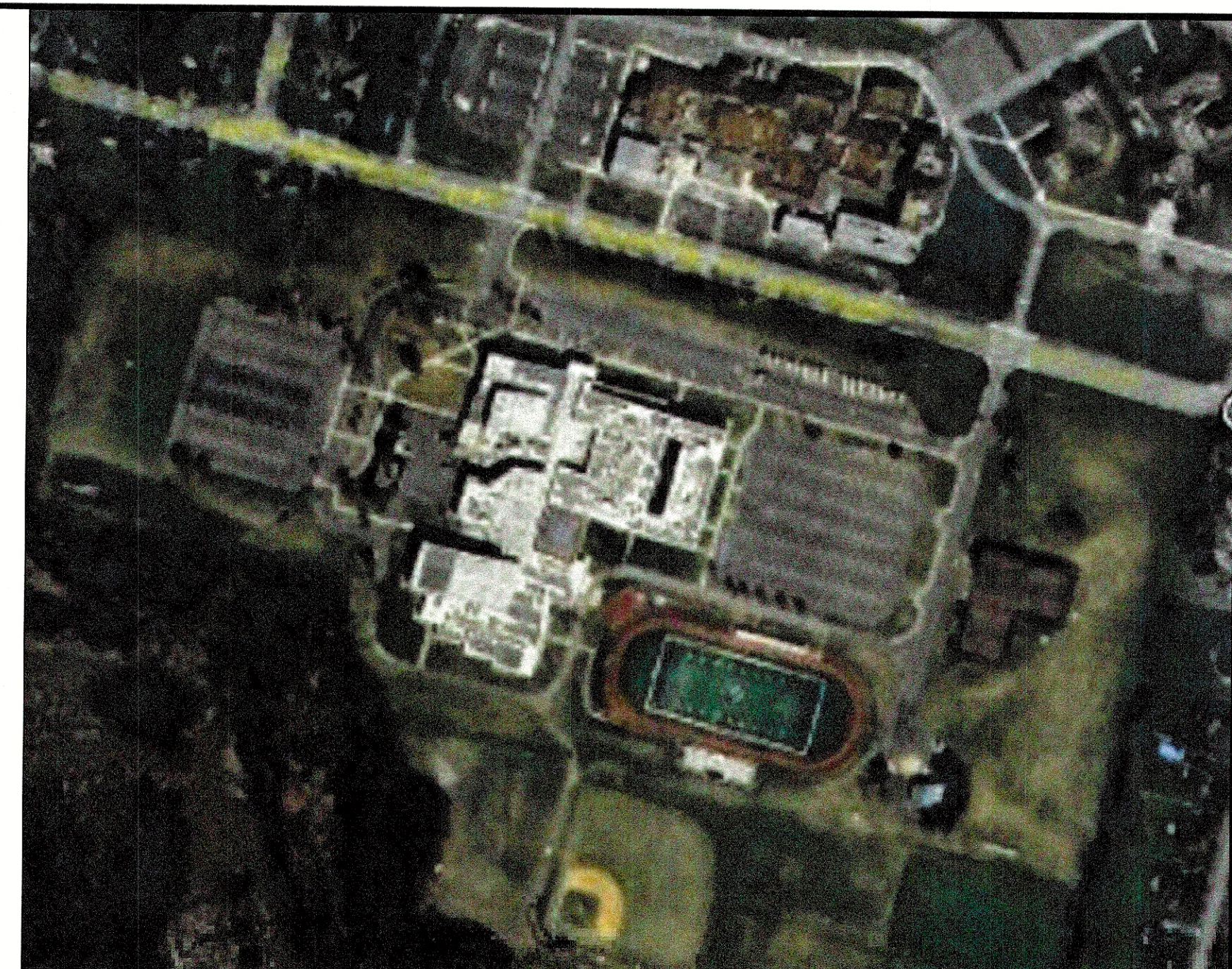
- All construction materials and methods for roadway, paving, site work and drainage construction shall be in accordance with NJDOT Specifications for Road and Bridge Construction, Latest Revision, except as modified herein and in the specifications.
- All contractors are required to notify engineer immediately (and prior to construction) of any plan specification discrepancies, layout/elevation discrepancies, conflicts, apparent errors, omissions or of any other information contained herein which the contractor feels is unclear as to meaning. Engineer will provide clarification and, if necessary, corrections as required by the contractor for performance of contractor work.
- The Plainsboro Township Engineer and Freehold Soil Conservation District shall be notified in writing 72 hours before any land disturbance.
- Prior to construction the contractor shall submit information and plans relating to phasing of construction, contractor storage of materials, contractor parking, contractors trailers and construction support to the township engineer for approval.
- The contractor shall submit a "Staging Plan" to the township community development director, for review and approval, prior to construction for the movement of any construction materials or demolition debris on roadways leading from the site to the township borders and vice versa.
- All structures, signage, structural details and foundations, and building retaining walls are subject to review and approval by the township Construction Code Official.
- As-Built grading and utilities shall be provided at the time of the request for certificate of occupancy.
- Prior to construction, the contractor shall submit a plan with all construction signage (e.g. Entrance & Project Signs) and details including color, number of signs, size of signs and messages to the Township Engineer for approval.
- Project signage materials, size and type are subject to the review and approval of the Township Planning Consultant.
- Proposed emergency access to and around the proposed building, as well as all fire lane requirements, signage and markings, fire hydrant locations and connections are subject to Fire Subcode Official and/or Marshall approval. The proposed building will employ an internal sprinkler system. The design and adequacy of the proposed sprinkler system shall be submitted for review and approval of the Township Fire Code Official.
- All imported fill materials shall be tested for the US EPA Target Analyte List/Target Compound List (TAL/TCL-10) prior to delivery to the project. Testing intervals shall be one (1) test per each source of material from undisturbed natural ground. Testing intervals for all other sources to be determined upon the volume of fill to be imported.
- An as-built plan and certification shall be provided for the storm infiltration system design specifications and that the system will function as originally designed prior to bond release.
- The contractor shall submit to the township for review and approval prior to site disturbance a detailed sequence of construction and contractor's staging plan to separate and manage construction traffic and private vehicle traffic. This will further establish the contractor's work and staging for each phase of construction including items such as walkways, pedestrian crosswalks, demolition, installation of structures, underground utilities and drainage, and off-site improvements, if any.
- All pavement striping and markings shall be thermoplastic.
- All traffic signage shall be retroreflective and shall have concrete foundations.
- As-built grading and utilities shall be provided at the time of the request for certificate of occupancy. The first as-built plan shall be provided to the township planning staff as both a hard copy (paper or mylar) and as a digital electronic document. The digital data used for such documents shall be in vector format and contain coordinate values for at least (3) identifiable boundary corners (preferably in the 1983 New Jersey State Plan Coordinate System).
- Signage shall be provided consistent with Princeton Forestry Center Design Requirements signage materials, size and type are subject to the review and approval of the township. All traffic signs shall be in accordance with M.U.T.C.D. and design details as identified on detail sheet.
- The locations of all fire lanes are subject to review by the Township Fire Official.

Solar General Notes:

- Solar panel parking canopy spacing shall be Min. 20' and Max. 32' between structures.
- All existing curb that is damaged/disturbed shall be replaced to the nearest sound joint as required.
- All parking space striping within the construction areas and under the solar canopy's shall be re-striped. All remaining existing striping outside of the construction area shall be re-striped by owner if needed.
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- All existing pole mounted lighting within the limits of the solar canopy system shall be removed.
- Solar canopy columns were designed to be located either in a parking island or in between two rows of parking. No parking stalls are expected to be lost due to the proposed improvements.

PHOTOVOLTAIC SYSTEM DETAILS

SYSTEM SIZE (DC):	1,328.00 Kw
SYSTEM SIZE (AC):	1,000.00 Kw
DC/AC RATIO:	1.33
MODULE MODEL:	JA SOLAR, JAM72D30 545/MB 545W
MODULE RATING (STC):	540 W
TOTAL MODULE QTY:	2,460
CARPOR #1:	492 MODULES
CARPOR #2:	492 MODULES
CARPOR #3:	492 MODULES
CARPOR #4:	492 MODULES
CARPOR #5:	492 MODULES
RACKING:	CARPOR
TILT / AZIMUTH:	10° TILT @ 195° AZIMUTH

AERIAL MAP
SCALE: N.T.S.

Legend

	FIRE HYDRANT
	UTILITY POLE
	SANITARY CLEAN OUT
	SANITARY MANHOLE
	STORM MANHOLE
	WATER VALVE
	GUY WIRE
	GAS VALVE
	"A" INLET
	"B" INLET
	"C" INLET
	"E" INLET
	LIGHT POLE
	SIGN
	EXISTING TREE
	SPOT ELEVATION
	CHAIN LINK FENCE
	OVERHEAD WIRES
	STORM PIPE
	SANITARY PIPE
	WATER PIPE
	ELECTRIC LINE
	GAS LINE
	EXISTING CONTOUR
	SOLAR ARRAY COLUMN

DATE	REVISION	SA	JMF
12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF
10/28/25	REV PER TWP COMMENTS	SA	JMF
DATE	REVISION	DRAWN	CHECKED
		RELEASED	

SITE PLAN-HIGH SCHOOL NORTH

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVES MILL ROAD (BLOCK 2001 - LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVES MILL ROAD (BLOCK 1901 - LOT 3)
HIGH SCHOOL NORTH 90 GROVES MILL ROAD (BLOCK 1902 - LOT 23)
SITUATED IN
PLAINSBO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS
RESERVE SPECIALISTS
ARCHITECTS

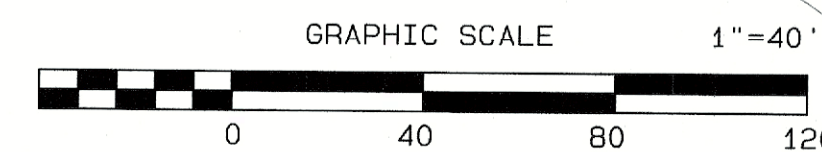
FWH
ASSOCIATES, P.A.

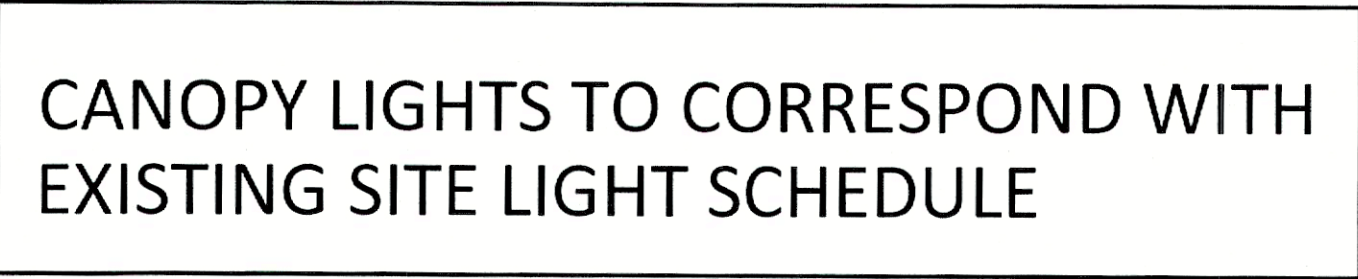
FWHASSOCIATES.COM
1856 Rt. 9, Toms River, NJ 08755 T: 732.797.3100 F: 732.797.3223

Christopher P. Rosati
Christopher P. Rosati
PROFESSIONAL ENGINEER
N.J. LIC. NO. 41981

DRAWN BY: SA
DESIGNED BY: JMF
CHECKED BY: JMF
RELEASED BY: CPR
SHEET NO. 7

DATE: 10/28/25
SCALE: 1"=40'
DRAWER NO.:
PROJECT NO.: 5696.0004
19





1. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED. SEED MIXTURES OF DESIRED SPECIES, AND GRASS TYPES SHALL MEET TOWNSHIP REQUIREMENTS PRIOR TO INSTALLATION.
2. LIGHTING CONTRACTOR SHALL VERIFY ALL UTILITIES (PROPOSED AND EXISTING) PRIOR TO INSTALLATION. IF DISCREPANCIES OCCUR, THE ENGINEER'S OFFICE SHALL BE NOTIFIED IMMEDIATELY.
3. SUBSTITUTION AND FINAL LOCATION OF ALL LIGHTING IS SUBJECT TO TOWNSHIP'S APPROVAL.
4. IF DISCREPANCIES OCCUR IN THE SCHEDULE QUANTITIES, THE PLAN SHALL SUPERSEDE.
5. SEE THIS SHEET FOR LIGHTING SCHEDULE, CALCULATIONS, NOTES, AND DETAILS.



POINT TO POINT LIGHTING CALCULATION

Lighting Schedule									
Symbol	Label	QTY	Mounting Height	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
	T5W	21	varies	VCPG LED P1 35K T5W MVOLT	VCPG LED WITH P1 - PERFORMANCE PACKAGE, 3500K, T5W OPTIC TYPE	1	3681	0.9	26.57

1. Installation of light fixtures shall be per manufacturer's recommendations.
2. Lights shall be ceiling mounted.
3. Fixtures shall be controlled by dusk to dawn photocell at control box to control the daily operation of the canopy lighting
4. Individual light fixture contours = 1.0 fc, 0.5 fc

LIGHTING PLAN & DETAILS-MILLSTONE RIVER ELEMENTARY SCHOOL

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 ~ LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 ~ LOT 3)
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 ~ LOT 23)
SITUATED IN
PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

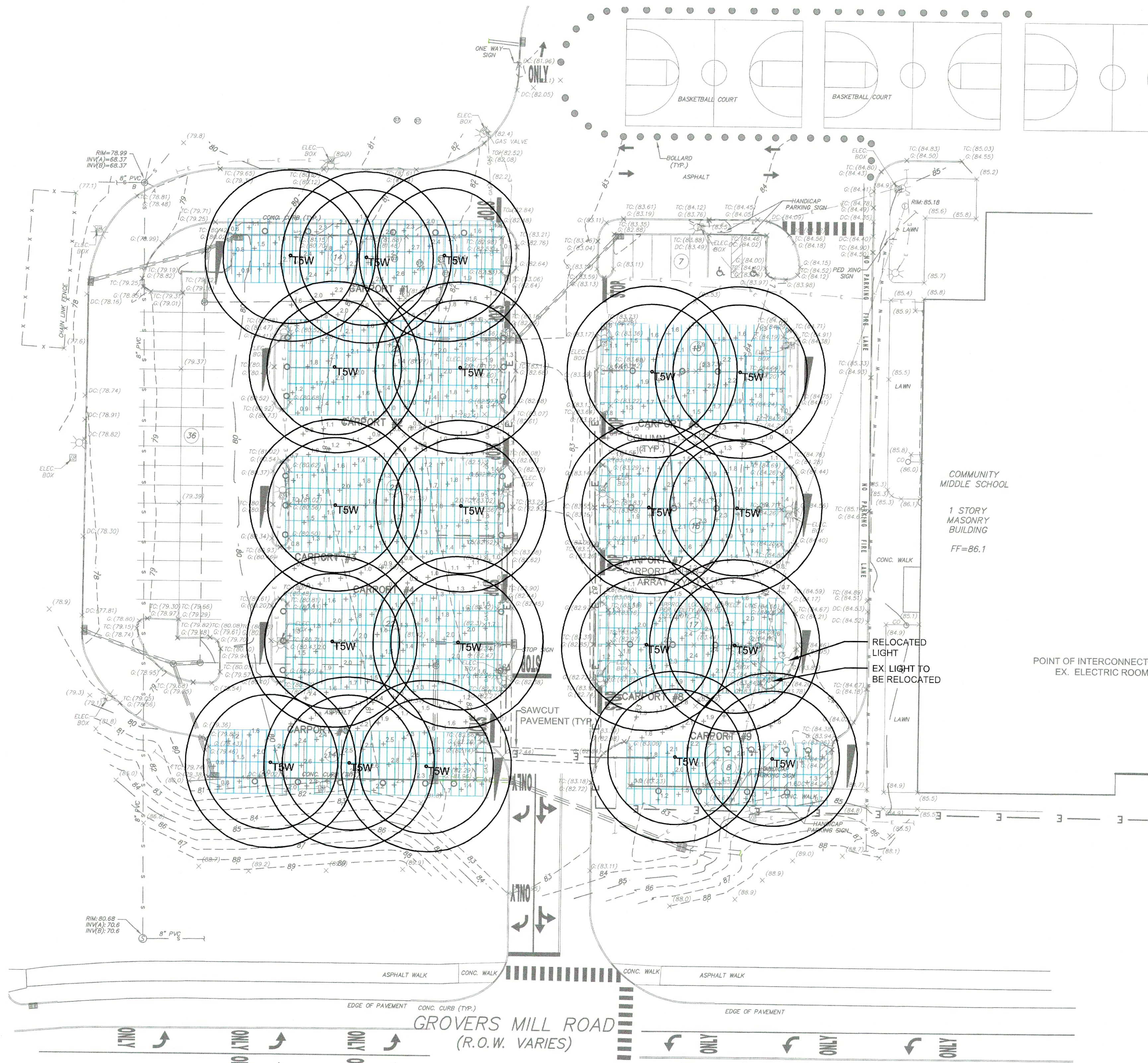


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RESERVE SPECIALISTS
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FWHASSOCIATES.COM

1856 Rt. 9, Toms River, NJ 08755 T: 732.797.3100 F: 732.797.3223

Leroy G. Webb Jr.  Licensed Landscape Architect N.J. Lic. No. AS00149 Professional Planner N.J. Lic. No. 4006	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">DRAWN BY SA</td> <td style="width: 50%; padding: 5px;">DATE 10/28/25</td> </tr> <tr> <td style="padding: 5px;">DESIGNED BY JMF</td> <td style="padding: 5px;">SCALE 1" = 30'</td> </tr> <tr> <td style="padding: 5px;">CHECKED BY JMF</td> <td style="padding: 5px;">DRAWER NO.</td> </tr> <tr> <td style="padding: 5px;">RETAINED BY LGW</td> <td style="padding: 5px;">PROJECT NO. 5696.0004</td> </tr> <tr> <td colspan="2" style="padding: 5px;">SHEET NO. 8 OF 19</td> </tr> </table>	DRAWN BY SA	DATE 10/28/25	DESIGNED BY JMF	SCALE 1" = 30'	CHECKED BY JMF	DRAWER NO.	RETAINED BY LGW	PROJECT NO. 5696.0004	SHEET NO. 8 OF 19	
DRAWN BY SA	DATE 10/28/25										
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RETAINED BY LGW	PROJECT NO. 5696.0004										
SHEET NO. 8 OF 19											



VCPG LED
Parking Garage

Specifications
Diameter: 19"
Height: 3.75"
Weight: 18 lbs.
Finish: Matte Black

Introduction
The all new VCPG LED (Visually Comfortable Parking Garage) luminaire is designed to bring a new level of optical performance and energy savings into your parking garage. The patented lens design of VCPG LED minimizes high angle glare, while its precision molded acrylic lens eliminates LED pollution and delivers the second minimum vertical and uniformity. The dedicated up light module option reduces the contrast between the luminaires and the ceiling creating a more visually comfortable environment.

The VCPG LED delivers up to 87% in energy savings when replacing 175W metal halide luminaires. With over 100,000 hour life expectancy (124 years of 24/7 continuous operation), the VCPG LED luminaire provides significant maintenance savings over traditional luminaires.

Ordering Information
EXAMPLE: VCPG LED V4 P4 40K 70CRI TSM MVOLT SRM DNAXO

Series	LED Light Input	Package	Color Temperature	Color Rendering Index	Beam Spread	Wattage	Mounting
VCPG LED	40W	P4	4000K	70CRI	15°	40W	Surface Mount

Features & Specifications
The VCPG LED luminaire is designed to bring a new level of optical performance and energy savings into your parking garage. The patented lens design of VCPG LED minimizes high angle glare, while its precision molded acrylic lens eliminates LED pollution and delivers the second minimum vertical and uniformity. The dedicated up light module option reduces the contrast between the luminaires and the ceiling creating a more visually comfortable environment.

Mounting, Options & Accessories

PM - Pendant Mount
Diameter: 19"
Height: 3.75"
Weight: 18 lbs.

SRM - Surface Mount
Diameter: 19"
Height: 3.75"
Weight: 18 lbs.

YLM - Yoke Mount
Diameter: 19"
Height: 3.75"
Weight: 18 lbs.

ARM - Arm Mount
Diameter: 19"
Height: 3.75"
Weight: 18 lbs.

Features & Specifications
The VCPG LED luminaire is designed to bring a new level of optical performance and energy savings into your parking garage. The patented lens design of VCPG LED minimizes high angle glare, while its precision molded acrylic lens eliminates LED pollution and delivers the second minimum vertical and uniformity. The dedicated up light module option reduces the contrast between the luminaires and the ceiling creating a more visually comfortable environment.

POINT TO POINT LIGHTING CALCULATION

INDIVIDUAL LIGHT FIXTURE CONTOURS = 1.0 FC, 0.5 FC, 0.2 FC.

Point to Point Lighting Calculation						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Array 1-5	+	1.6 fc	2.8 fc	0.6 fc	4.7:1	2.7:1
Array 6-9	+	1.6 fc	2.4 fc	0.6 fc	4.0:1	2.7:1

Lighting Schedule						
Symbol	Label	QTY	Mounting Height	Catalog Number	Description	
+	TSW	20	15'	VCPG LED P3 35K TSM MVOLT	VCPG LED WITH P3 - PERFORMANCE PACKAGE, 3500K, TSM OPTIC TYPE	

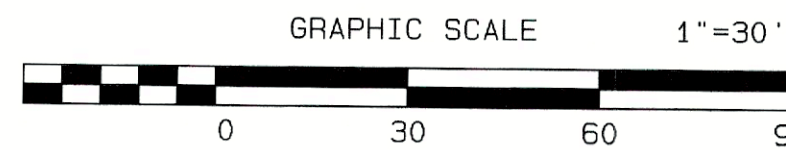
Number Lamps	Lumens per Lamp	LLF	Wattage
1	5970	0.9	43.37

1. Installation of light fixtures shall be per manufacturer's recommendations.
2. Lights shall be ceiling mounted.
3. Fixtures shall be controlled by dusk to dawn photocell at control box to control the daily operation of the canopy lighting.
4. Individual light fixture contours = 1.0 fc, 0.5 fc

CANOPY LIGHTS TO CORRESPOND WITH EXISTING SITE LIGHT SCHEDULE

GENERAL NOTES

1. ALL DISTURBED AREAS SHALL BE SEEDED OR SOODED. SEED MIXTURES, SPECIFICATIONS, AND GRASS TYPES SHALL MEET TOWNSHIP REQUIREMENTS PRIOR TO INSTALLATION.
2. LIGHTING CONTRACTOR SHALL VERIFY ALL UTILITIES (PROPOSED AND EXISTING) PRIOR TO INSTALLATION. IF DISCREPANCIES OCCUR, THE ENGINEER'S OFFICE SHALL BE NOTIFIED IMMEDIATELY.
3. SUBSTITUTION AND FINAL LOCATION OF ALL LIGHTING IS SUBJECT TO TOWNSHIP APPROVAL.
4. IF DISCREPANCIES OCCUR IN THE SCHEDULE QUANTITIES, THE PLAN SHALL SUPERSEDE.
5. SEE THIS SHEET FOR LIGHTING SCHEDULE, CALCULATIONS, NOTES, AND DETAILS.



THIS PLAN TO BE USED FOR LIGHTING PURPOSES ONLY.

12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF
10/28/25	REV PER TWP COMMENTS	SA	JMF

DATE	REVISION	DRAWN	CHECKED	RELEASED
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LIGHTING PLAN & DETAILS-COMMUNITY MIDDLE SCHOOL

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)

SITUATED IN
PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

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FWH ASSOCIATES, P.A.

FWHASSOCIATES.COM

1856 Rt. 9, Toms River, NJ 08755 T: 732.797.3100 F: 732.797.3223

Leroy G. Webb Jr.

L.G. Webb Jr.

Licensed Landscape Architect
N.J. Lic. No. AS00149
Professional Planner N.J. Lic. No. 4006

DRAWN BY	SA	DATE	10/28/25
DESIGNED BY	JMF	SCALE	1"=30'
CHECKED BY	JMF	DRAWER NO.	
RELEASED BY	LGW	PROJECT NO.	5696.0004
SHEET NO.	9		19

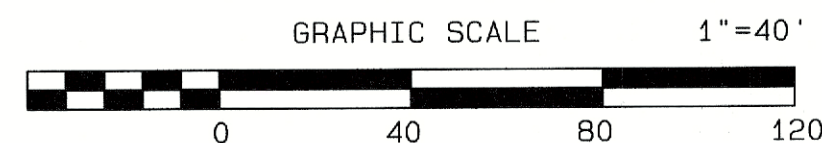
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Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1		1.1 fc	1.5 fc	0.5 fc	3.0:1	2.2:1

Symbol	Label	QTY	MOUNTING HEIGHT	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
	T5W	35	15'	VCPG LED P1 35K T5W MVOLT	VCPG LED WITH P1 - PERFORMANCE PACKAGE, 3500K, T5W OPTIC TYPE	1	3681	0.9	26.57

1. Installation of light fixtures shall be per manufacturer's recommendations.
2. Lights shall be ceiling mounted.
3. Fixtures shall be controlled by dusk to dawn photocell at control box to control the daily operation of the canopy lighting.
4. Individual light fixture contours = 1.0 fc, 0.5 fc

1. ALL DISTURBED AREAS SHALL BE SEEDED OR SOODED. SEED MIXTURES, SPECIFICATIONS, AND GRASS TYPES SHALL MEET TOWNSHIP REQUIREMENTS PRIOR TO INSTALLATION.
2. LIGHTING CONTRACTOR SHALL VERIFY ALL UTILITIES (PROPOSED AND EXISTING) PRIOR TO INSTALLATION. IF DISCREPANCIES OCCUR, THE ENGINEER'S OFFICE SHALL BE NOTIFIED IMMEDIATELY.
3. SUBSTITUTION AND FINAL LOCATION OF ALL LIGHTING IS SUBJECT TO TOWNSHIP'S APPROVAL.
4. IF DISCREPANCIES OCCUR IN THE SCHEDULE QUANTITIES, THE PLAN SHALL SUPERSEDE.
5. SEE THIS SHEET FOR LIGHTING SCHEDULE, CALCULATIONS, NOTES, AND DETAILS.



THIS PLAN TO BE USED FOR LIGHTING PURPOSES ONLY

12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF	
10/28/25	REV PER TWP COMMENTS	SA	JMF	
DATE	REVISION	DRAWN	CHECKED	RELEASED

SITE PLAN

MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 ~ LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 ~ LOT 3)
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 ~ LOT 23)

SITUATED IN
PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY



CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS
RESERVE SPECIALISTS
ARCHITECTS

1856 Rt. 9, Toms River, NJ 08755 T: 732.797.3100 F: 732.797.3223

Leroy G. Webb Jr.


 Licensed Landscape Architect
 N.J. Lic. No. AS00149
 Professional Planner N.J. Lic. No. 400

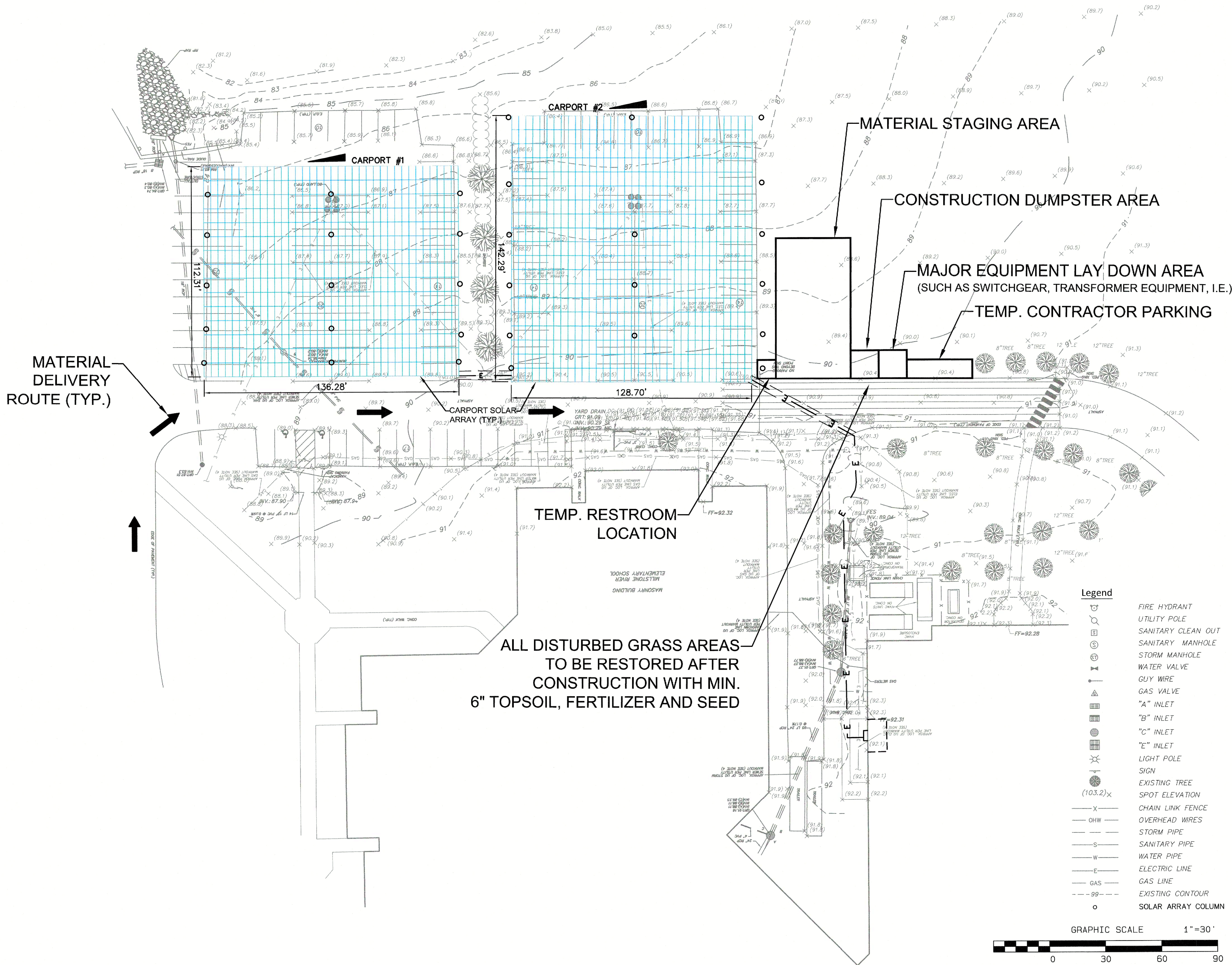
DRAWN BY CSM	DATE 07/08/25
DESIGNED BY JMF	SCALE 1" = 40'
CHECKED BY JMF	DRAWER NO.
RELEASED BY CPR	PROJECT NO. 5696.0004

SHEET NO. OF

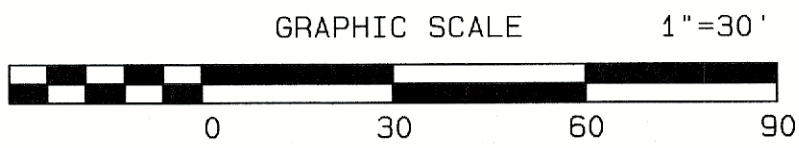
10 19

STAGING NOTES:

1. Construction areas will be broken into multiple phased sections, each approximately one-third of the total lot.
2. Only the active construction phase will be barricaded at any given time to maintain partial lot availability and emergency access.
3. All concrete work and drilling will occur during first phase of construction.
4. Safety fencing (orange or chainlink) with "Construction Zone - Authorized Personnel Only" shall be provided around work areas.
5. Emergency access lanes must be maintained at all times during construction.
6. Delivery vehicles will use the designated delivery route as indicated on the Site Plans. All deliveries requested to non - peak school hours (7:00 - 7:45 AM or after 2:45 PM)
7. Staging area / material laydown areas to be secured with temporary chain link fence with appropriate "keep-out" signage.
8. One ADA-compliant portable restroom will be provided onsite within the designated staging area.
9. There will be no idling or staging of trucks in an active school drop-off zone.
10. Construction management will have daily communication with school facility manager regarding traffic impacts or changes to access during construction.

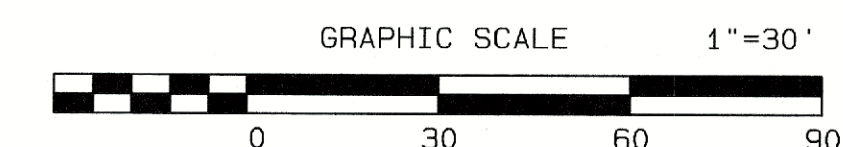


- Legend
- FIRE HYDRANT
 - UTILITY POLE
 - SANITARY CLEAN OUT
 - SANITARY MANHOLE
 - STORM MANHOLE
 - WATER VALVE
 - GUY WIRE
 - GAS VALVE
 - "A" INLET
 - "B" INLET
 - "C" INLET
 - "E" INLET
 - LIGHT POLE
 - SIGN
 - EXISTING TREE
 - SPOT ELEVATION
 - CHAIN LINK FENCE
 - OVERHEAD WIRES
 - STORM PIPE
 - SANITARY PIPE
 - WATER PIPE
 - ELECTRIC LINE
 - GAS LINE
 - EXISTING CONTOUR
 - SOLAR ARRAY COLUMN



12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF
DATE	REVISION	DRAWN	CHECKED
STAGING PLAN-MILLSTONE RIVER ELEMENTARY SCHOOL			
SITE PLAN			
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)			
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)			
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)			
SITUATED IN PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY			
CIVIL ENGINEERS LAND SURVEYORS PLANNERS LANDSCAPE ARCHITECTS RESERVE SPECIALISTS ARCHITECTS		FWH ASSOCIATES, P.A. 1856 Rt. 9, Toms River, NJ 08755 T: 732.797.3100 F: 732.797.3223	
Christopher P. Rosati PROFESSIONAL ENGINEER N.J. LIC. NO. 41981		DRAWN BY SA DESIGNED BY JMF CHECKED BY JMF RELEASED BY CPR DATE 10/28/25 SCALE 1"=30' DRAWN NO. PROJECT NO. 5696.0004 SHEET NO. 11 OF 19	

**CARPORTS #2, #3 & #4 SPAN OVER AN EXISTING STORMWATER RECHARGE SYSTEM. COLUMN FOUNDATION LOCATIONS MUST BE COORDINATED WITH FWH ASSOCIATES PRIOR TO CONSTRUCTION. STORMWATER RECHARGE SYSTEM MAY NOT BE MODIFIED OR COMPROMISED.



L:\FWHP\Projects\5696\56960006\Sheet DWG\FWH-SITE-DEVELOPMENT-SHEET.dwg, Staging ALL, 12/11/2025 11:39:47 AM, ©2025 FWH Associates, P.A.

STAGING NOTES:

1. Construction areas will be broken into multiple phased sections, each approximately one-third of the total lot.
2. Only the active construction phase will be barricaded at any given time to maintain partial lot availability and emergency access.
3. All concrete work and drilling will occur during first phase of construction.
4. Safety fencing (orange or chainlink) with "Construction Zone – Authorized Personnel Only" shall be provided around work areas.
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6. Delivery vehicles will use the designated delivery route as indicated on the Site Plans. All deliveries requested to non – peak school hours (7:00 – 7:45 AM or after 2:45 PM)
7. Staging area / material laydown areas to be secured with temporary chain link fence with appropriate "keep-out" signage.
8. One ADA-compliant portable restroom will be provided onsite within the designated staging area.
9. There will be no idling or staging of trucks in an active school drop-off zone.
10. Construction management will have daily communication with school facility manager regarding traffic impacts or changes to access during construction.

MATERIAL
DELIVERY
ROUTE (TYP.)

MATERIAL
STAGING
AREA

MATERIAL
STAGING
AREA

TEMP.
RESTROOM
LOCATION

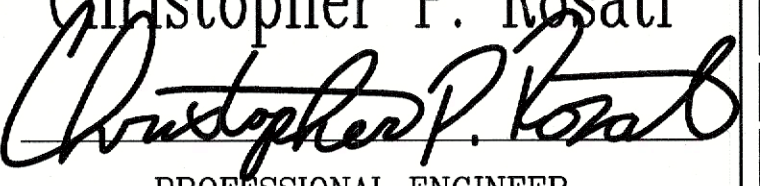
TEMP.
CONTRACTOR
PARKING

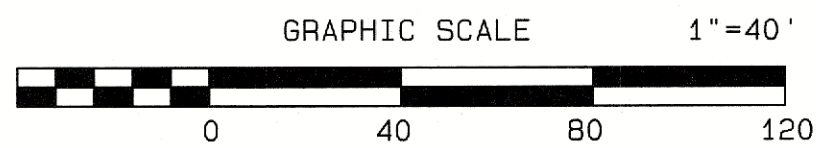
CONSTRUCTION
DUMPSTER AREA

MAJOR EQUIPMENT LAY DOWN AREA
(SUCH AS SWITCHGEAR, TRANSFORMER EQUIPMENT, I.E.)

Legend

- FIRE HYDRANT
- UTILITY POLE
- SANITARY CLEAN OUT
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- GUY WIRE
- GAS VALVE
- "A" INLET
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- STORM PIPE
- SANITARY PIPE
- WATER PIPE
- ELECTRIC LINE
- GAS LINE
- EXISTING CONTOUR
- SOLAR ARRAY COLUMN

12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF	
DATE	REVISION	DRAWN	CHECKED	RELEASED
STAGING PLAN-HIGH SCHOOL NORTH				
SITE PLAN				
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)				
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)				
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)				
PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY				
		CIVIL ENGINEERS LAND SURVEYORS PLANNERS LANDSCAPE ARCHITECTS RESERVE SPECIALISTS ARCHITECTS		
1856 Rt. 9, Toms River, NJ 08755 T: 732.797.3100 F: 732.797.3223		FWHASSOCIATES.COM		
Christopher P. Rosati  PROFESSIONAL ENGINEER N.J. LIC. NO. 41981		DRAWN BY SA DATE 10/28/25		
		DESIGNED BY JMF SCALE 1"=40'		
		CHECKED BY JMF DRAWN NO.		
		RELEASED BY CPR PROJECT NO. 5696.0004		
SHEET NO. 13		OF 19		



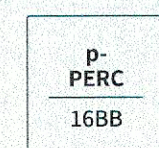
Harvest the Sunshine

560W

JA SOLAR

JAM72D30 MB p-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell Technology

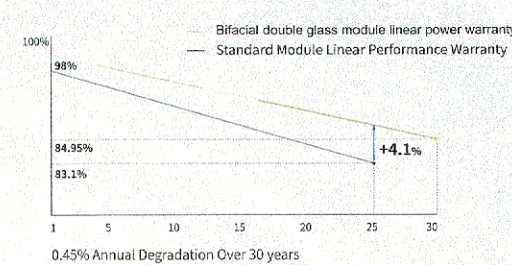
24%

Up To

Cell Conversion Efficiency

Premium Modules

- Higher output power
- More reliable, more stable power generation
- Less shading effect
- Lower temperature coefficient



12-year product warranty

30-year linear power output warranty

Comprehensive Certificates

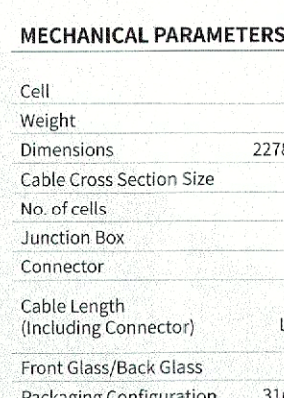
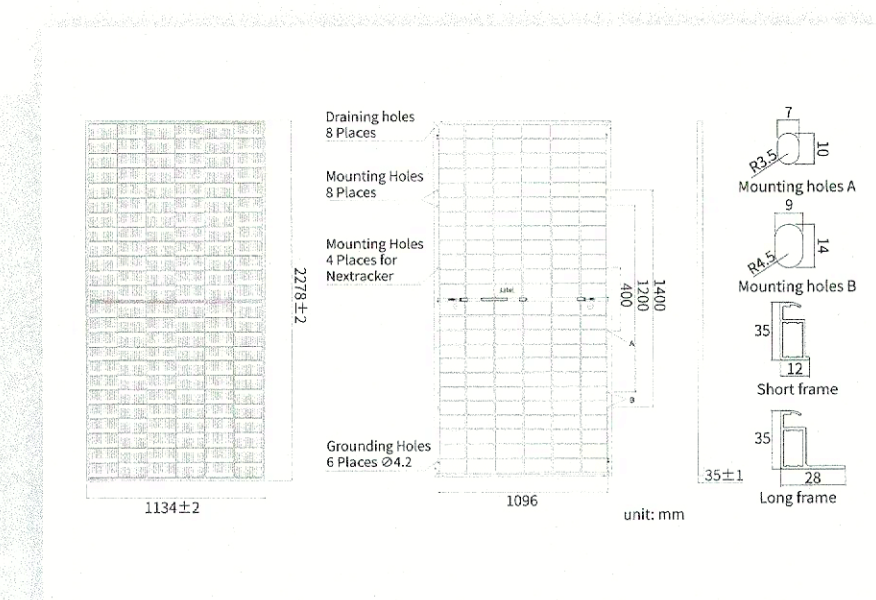
- IEC 61215, IEC 61730, UL 61135, UL 61730
- ISO 9001:2015 Quality management systems
- ISO 14001:2015 Environmental management systems
- ISO 45001:2018 Occupational health and safety management systems
- IEC 62443-2018 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 3.0

JAM72D30 MB p-type Double Glass Bifacial Modules

DEEP BLUE 3.0



MECHANICAL PARAMETERS

Cell Mono

Weight 31.8kg

Dimensions 2278±2mm×1134±2mm×35±1mm

Cable Cross Section Size 4mm²(IEC), 12 AWG(UL)

No. of cells 144(6×24)

Junction Box IP68, 3 diodes

Connector QC 4.10-35, IEC 61902

Cable Length Portable: 300mm(+/-400mm-)
(including Connector) Landscape: 1300mm(+/-1300mm-)

Front Glass/Back Glass 2.0mm/2.0mm

Packaging Configuration 31pcs/Pallet, 589pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

	JAM72D30 -535/MB	JAM72D30 -540/MB	JAM72D30 -545/MB	JAM72D30 -550/MB	JAM72D30 -555/MB	JAM72D30 -560/MB
Rated Maximum Power(P _{max}) [W]	535	540	545	550	555	560
Open Circuit Voltage(V _{oc}) [V]	49.45	49.60	49.75	49.90	50.02	50.15
Maximum Power Voltage(V _{mp}) [V]	41.47	41.64	41.80	41.96	42.11	42.27
Short Circuit Current(I _{sc}) [A]	13.79	13.86	13.93	14.00	14.07	14.14
Maximum Power Current(I _{mp}) [A]	12.90	12.97	13.04	13.11	13.18	13.25
Module Efficiency (%)	20.7	20.9	21.1	21.3	21.5	21.7

Power Tolerance 0~+3%

Temperature Coefficient of I_{sc}(α_{Isc}) +0.045%/°C

Temperature Coefficient of V_{oc}(α_{Voc}) -0.273%/°C

Temperature Coefficient of P_{max}(α_{Pmax}) -0.350%/°C

STC Irradiance 1000W/m², cell temperature 25°C, AM1.5G

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

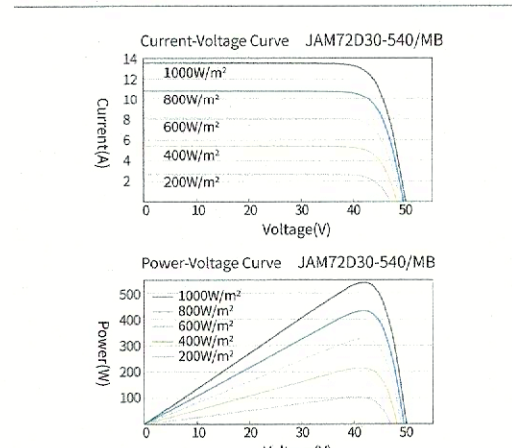
	JAM72D30 -535/MB	JAM72D30 -540/MB	JAM72D30 -545/MB	JAM72D30 -550/MB	JAM72D30 -555/MB	JAM72D30 -560/MB
Rated Max Power(P _{max}) [W]	572	578	583	589	594	599
Open Circuit Voltage(V _{oc}) [V]	49.80	49.93	50.03	50.21	50.31	50.45
Max Power Voltage(V _{mp}) [V]	41.47	41.65	41.78	41.95	42.11	42.26
Short Circuit Current(I _{sc}) [A]	14.76	14.83	14.91	14.98	15.05	15.13
Max Power Current(I _{mp}) [A]	13.80	13.88	13.95	14.03	14.10	14.18

Irradiation Ratio (rear/front) 10%

* For backsheet installations, maximum static load please take compatibility approval letter between JA Solar and backsheet for reference.

* Bifaciality ratio, rear/total front, 10%

CHARACTERISTICS



OPERATING CONDITIONS

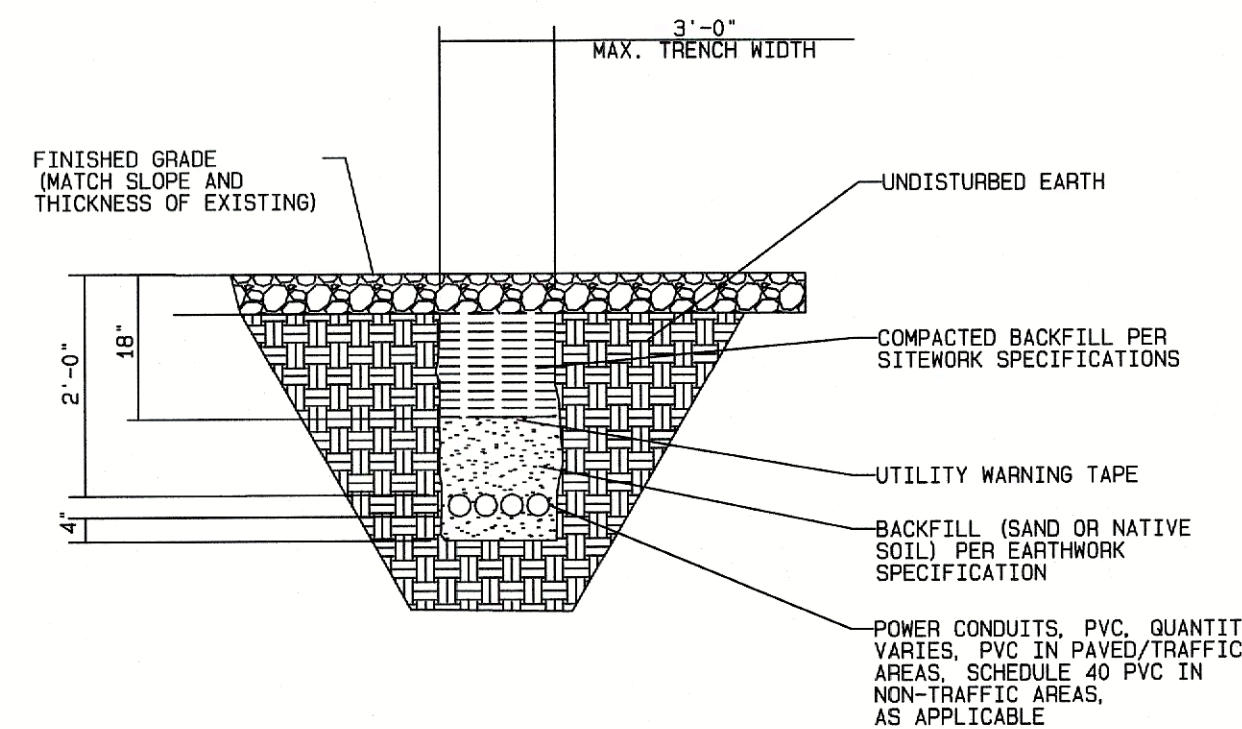
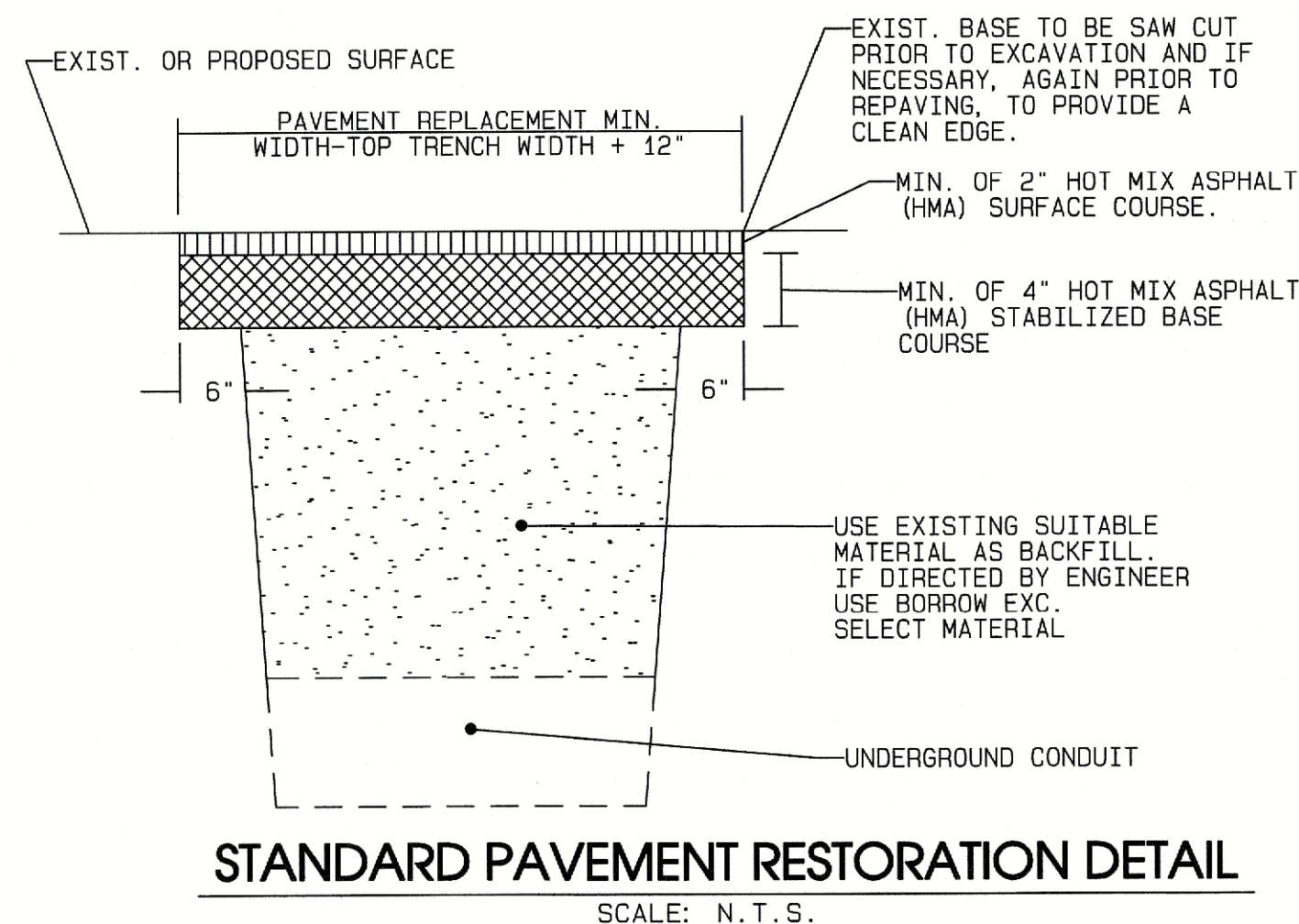
Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+65°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front	5400Pa(112 lb/ft ²)
Maximum Static Load, Back	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Bifaciality*	70%±10%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation.

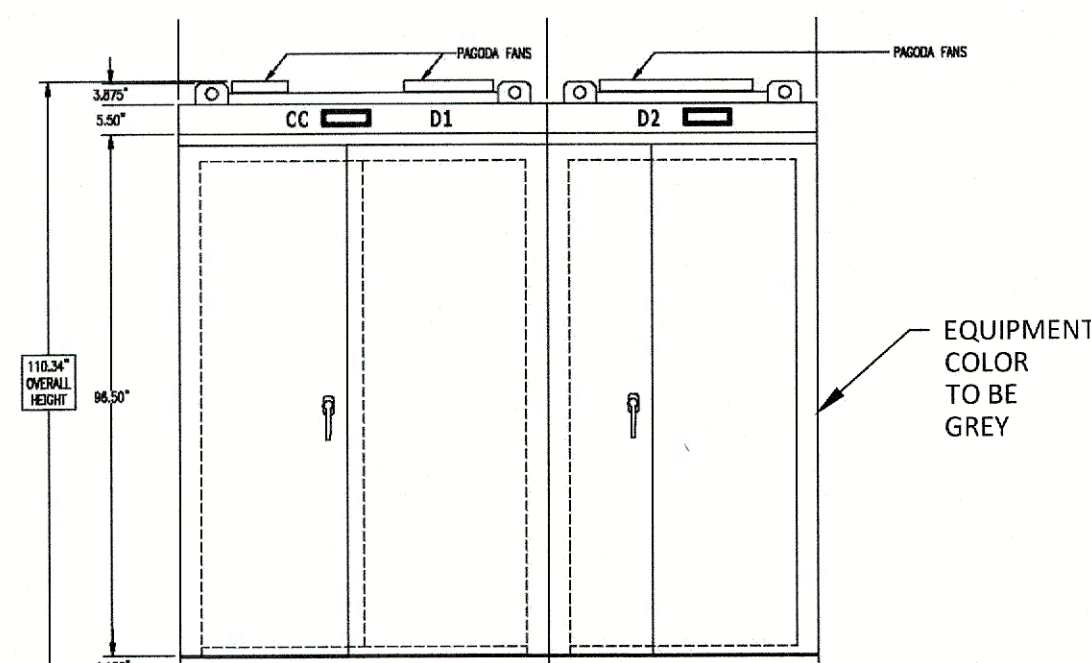
Version No.: Global-EN-20230320A

SOLAR PANEL DETAIL

SCALE: N.T.S.

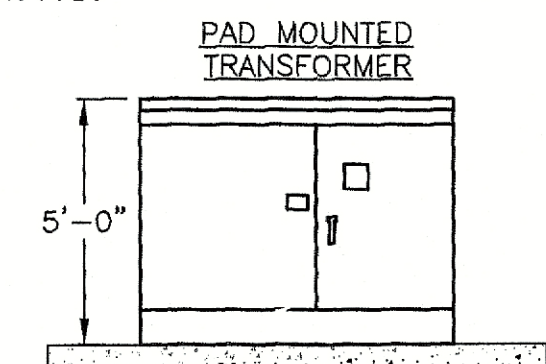


UNDERGROUND CONDUIT TRENCH DETAIL



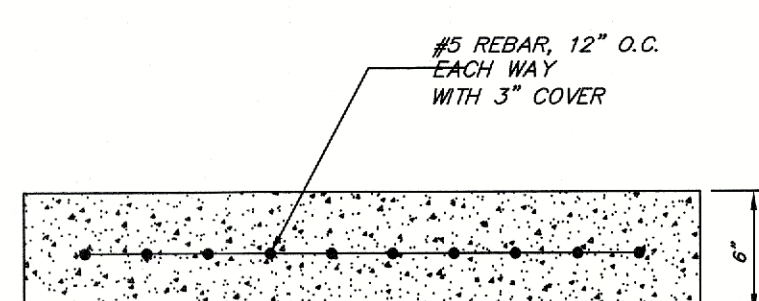
SWITCHBOARD EQUIPMENT

SCALE: N.T.S.



TRANSFORMER ELEVATION

SCALE: N.T.S.



NOTE:

- SEE PLANS FOR ALIGNMENT AND GRADING AT EACH STRUCTURE
- REFER TO PLANS BY ELECTRICAL ENGINEER FOR THE REQUIRED DIMENSIONS OF CONCRETE PADS
- CONCRETE PADS, DUE TO SITE CONDITIONS, COULD HAVE 3-4 FOOT FOUNDATION DEPTHS. ACTUAL FOUNDATION DEPTHS TO BE DECIDED AT TIME OF CONSTRUCTION.

CONCRETE EQUIPMENT PAD DETAIL

SCALE: N.T.S.



S6-GC(25-60)K-US

Solis Three Phase Grid-Tied Inverters

Efficient

- Max. efficiency 98.8% (CEC efficiency 98.3%)
- String current up to 20A
- 3/4 MPPT design, supports multiple orientation system design
- Nighttime P.D recovery function (optional)
- Wide voltage range and low startup voltage

Smart

- Equipped with external power control interface, supporting zero output power control
- Intelligent string monitoring, smart I-V curve scan
- Supports RS485, Ethernet, WiFi, Cellular
- Scan to register on SolisCloud, supports remote upgrade and control

Safe

- Type 4X, C5 Anti-Corrosion Level
- AFCI protection, proactively reduces fire risk
- Intelligent fan-cooling
- Integrated module level rapid shutdown transmitter
- High quality components from globally recognized suppliers
- Integrated DC and AC disconnects

Economic

- > 1.5 DC/AC ratio
- Supports high power modules for lower installation costs
- Separable AC wiring box

Models:

- S6-GC25K-US / S6-GC33K-US
- S6-GC36K-US / S6-GC40K-US
- S6-GC50K-US / S6-GC60K-US

Ordering: S6-GC(25-60)K-US

- APST (APS MLRSO Transmitter)
- RSS (Tigo MLRSO Transmitter)
- NEPT (NEP MLRSO Transmitter)



DATASHEET

S6-GC(25-60)K-US

Models	25K	33K	36K	40K	50K	60K
Input DC						
Max. input voltage				1000 V		
Rated voltage				720 V		
Start-up voltage				180 V		
MPPT voltage range				180 ~ 1000 V		
Max. input current		40 A / 40 A / 40 A			4 × 40 A	
Max. short circuit current		63 A / 63 A / 63 A			4 × 63 A	
MPPT number / Max. input strings number		3 / 6			4 / 8	
Output AC						
Rated output power	25 kW	33 kW	36 kW	40 kW	50 kW	60 kW
Max. apparent output power	25 kVA	33 kVA	36 kVA	40 kVA	50 kVA	60 kVA
Max. output power	25 kW	33 kW	36 kW	40 kW	50 kW	60 kW
Rated grid voltage			3-Phase, 480 V			
Rated grid frequency			60 Hz			
Max. output current	30.1 A	39.7 A	43.3 A	46.1 A	60.1 A	72.2 A
Power factor			> 0.99 (0.8 leading ~ 0.8 lagging)			
THDI			< 3%			
Efficiency						
Max. efficiency			98.8%			
CEC efficiency			98.3%			
Protection						
DC reverse-polarity protection			Yes			
Short-circuit protection			Yes			
Output over current protection			Yes			
Surge protection			DC Type II / AC Type II			
Grid monitoring			Yes			
Anti-islanding protection			Yes			
Temperature protection			Yes			
Strings monitoring			Yes			
I/V Curve scanning			Yes			
Multi peak scan			Yes			
Integrated AFCI			Yes			
Integrated PID recovery			Optional			
Integrated DC switch			Yes			
Integrated AC switch			Yes			
General Data						
Dimensions (W × H × D)			30.9 × 21.6 × 12.6 in (784 × 549 × 320 mm)			
Weight		95.3 lbs (43.7 kg)	105.4 lbs (47.8 kg)	108.7 lbs (49.3 kg)	110.5 lbs (50.1 kg)	
Topology			Transfo-less			
Self-consumption (night)			< 1 W			
Relative humidity			0 ~ 100%			
Operating ambient temperature range			-13°F to 140°F (-25°C to 60°C)			
Ingress protection			Type 4X			
Noise emission (typical)			≤ 55 dB(A)			
Cooling concept			Natural cooling			
Max. operation altitude			13,120 ft (4000 m)			
Compliance			UL1741SB, IEEE 1547-2018, UL1699B, UL1998, FCC Part 15 Class B, California Rule 21, Heco Rule 14H, NEC 690.12-2020, CAN/CSA C22.2 0.71-1			
Features						
DC connection			MC4 connector			
AC connection			OT terminal (6 AWG to 3/0 AWG)			
Display			LCD			
Communication			Modbus RTU (Sunspec compliant), RS485, Optional Cellular, Wi-Fi			

INVERTER DETAIL

SCALE: N.T.S.

DATE	REV SHEET AND TITLE INFORMATION	SA	JMF
10/28/25	REV PER TWP COMMENTS	SA	JMF

DATE	REVISION	DRAWN	CHECKED	RELEASED
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CONSTRUCTION DETAILS

SITE PLAN

MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 201 - LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)
HIGH SCHOOL NORTH 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)

SITUATED IN
PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

**CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS
RESERVE SPECIALISTS
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FWH ASSOCIATES.COM

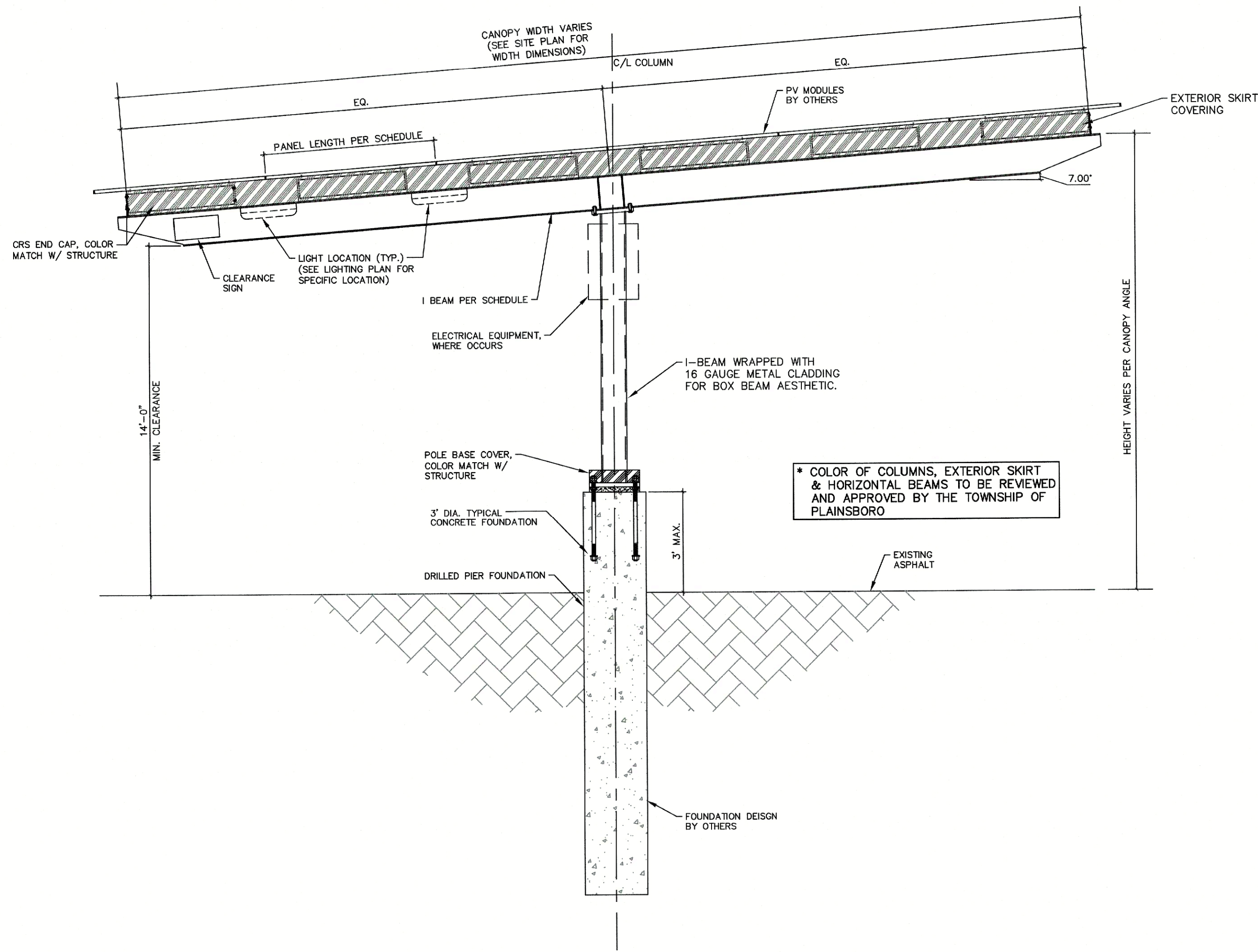
1856 Rt. 9, Toms River, NJ 08755 T: 732.797.3100 F: 732.797.3223

Christopher P. Rosati

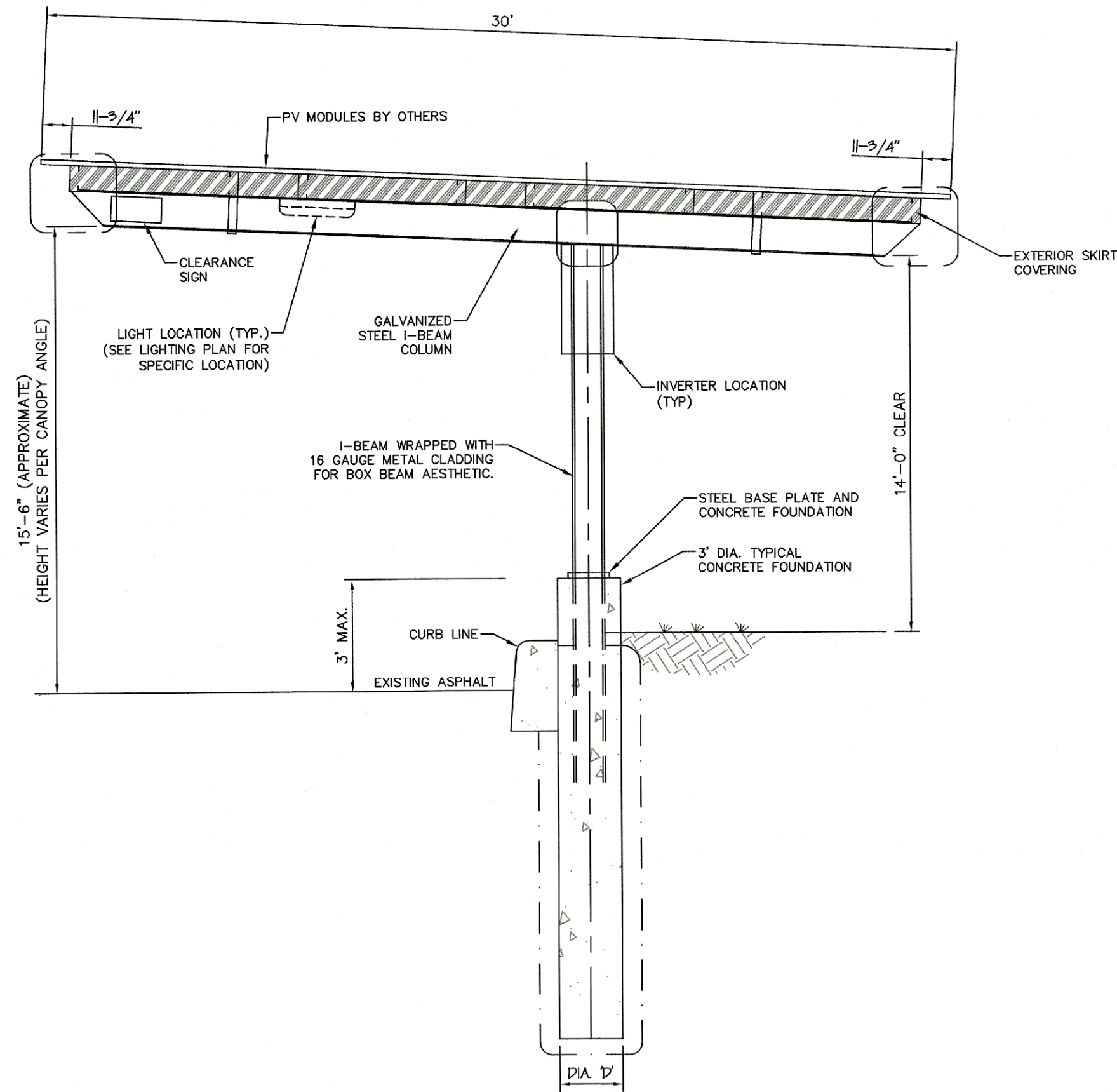
PROFESSIONAL ENGINEER
N.J. LIC. NO. 41981

DRAWN BY SA
DESIGNED BY JMF
CHECKED BY JMF
RELEASED BY CPR
BRIEF NO. OF

DATE 10/28/25
SCALE N.T.S.
DRAWER NO.
PROJECT NO. 5696.0004
14 **19**



TYPICAL T-SECTION SOLAR CANOPY STRUCTURAL DETAIL
SCALE: N.T.S.



TYPICAL SOLAR CANOPY STRUCTURAL DETAIL (CANTILEVER SECTION)
SCALE: N.T.S.

Overall Construction Sequence:

Overall Construction Sequence:	Approx. Duration:
Site Preparation & Demolition	2 Weeks
Construction Staging & Material Storage	2 Weeks
Carport Foundations	1 Week
Electrical Conduit Installation	1 Week
Solar Carport Construction	4 Weeks
System Equipment Construction	4 Weeks
Site Restoration & Landscaping	3 Weeks

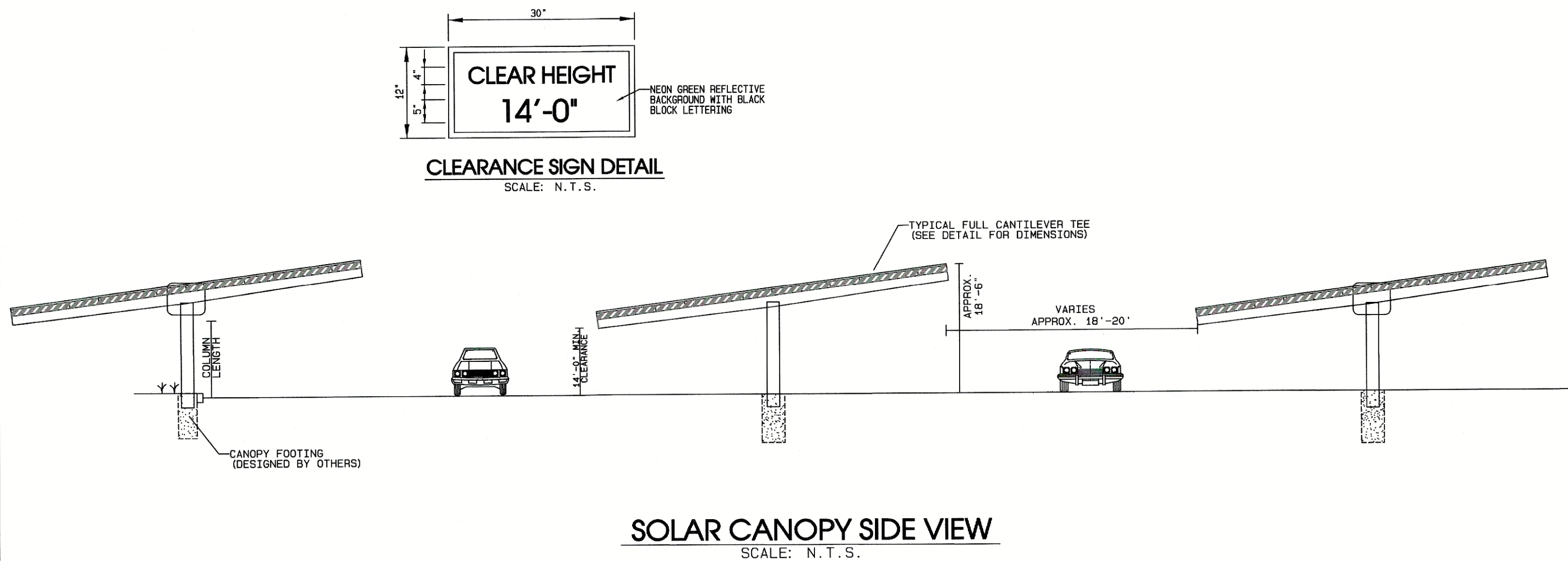
Individual Construction Tasks Explanation & Site Circulation

Site Preparation & Demolition:	-Contractor to remove all trees and shrubs within the parking lot affected by the proposed improvements (if any). -Contractor to remove all required light poles and fixtures. Light poles that are to remain may need adjustments prior to carport construction. -Contractor to ensure employee parking and pedestrian circulation will not be affected at this time.
Construction Staging & Material Storage:	-Install temporary fencing around the indicated staging area. -Contractor to set up material laydown area.
Carport Foundations:	-Contractor to drill and pour concrete foundations for the carports. -Contractor to cone off each parking row(s) which are being worked on by the foundation crews. -Vehicle access to the other parking row(s) not having foundations poured must be available. Pedestrian access to the building must be available at all times. -Once a parking row is completed, parking spaces around the new foundation should be cone off.
Electrical Conduit Installation:	-Contractor to sawcut pavement and install electrical conduit as per plan. -Contractor to perform work in large sections where vehicle and pedestrian circulation is not impacted. -All pavement must be properly patched by the end of day and/or before the next section of underground conduit installation can begin.
Solar Carport Construction:	-Contractor to install the solar carport structures one to two parking rows at a time or as many parking rows that will still allow for proper vehicle and pedestrian circulation. -Contractor to cone off drive aisles or rows to ensure vehicles or pedestrians are not near the structural materials or construction vehicles while work is being performed.
System Equipment Construction:	-Temporary fencing should be provided around the electrical equipment area until complete and the vinyl fencing is installed. -Vehicle and pedestrian circulation should not be impacted during the construction of the electrical equipment area.
Site Restoration & Landscaping:	-Once the solar carport structures are completed, Contractor to start the installation of all landscaping as per plan (if any). -Any and all trash or debris created by construction should be immediately removed. -All damaged sidewalks, concrete curb, asphalt pavement shall be replaced accordingly. -Contractor to remove all staging area fencing, trailers, material spoils from the staging area and return pavement to original condition.



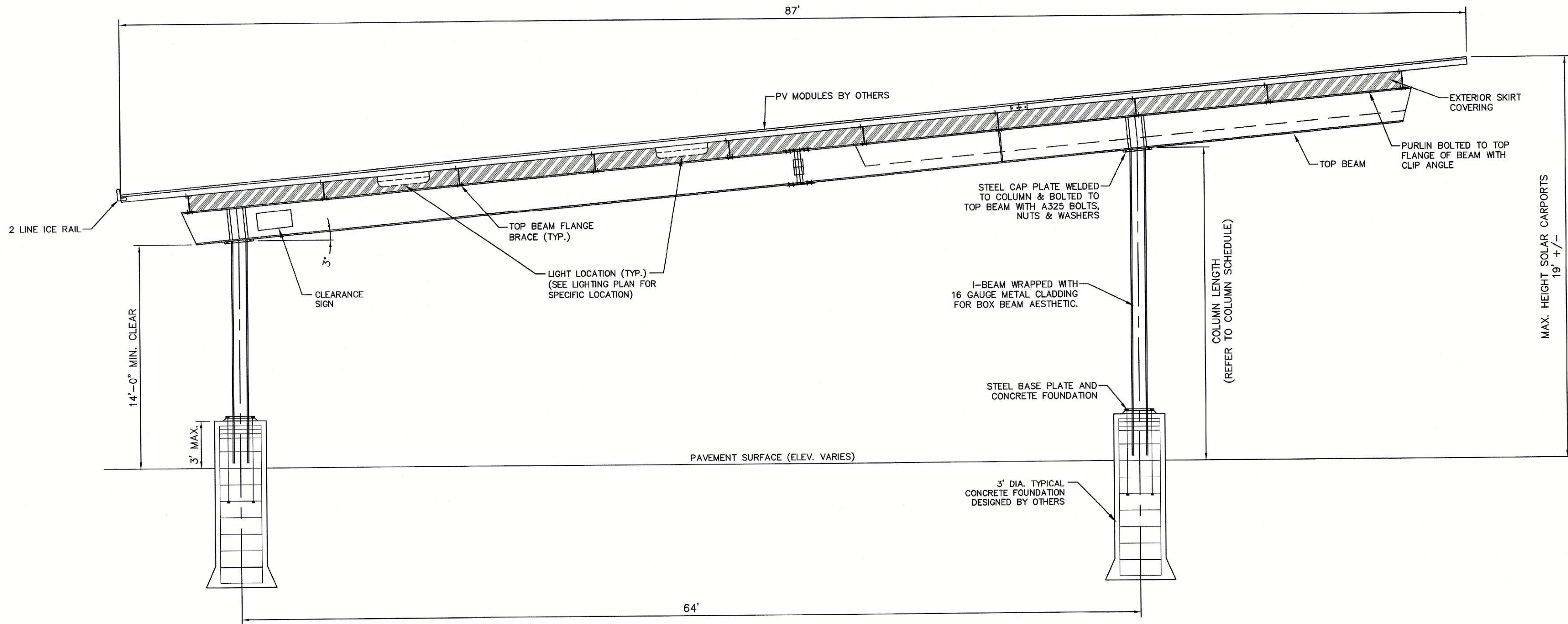
NOTE: BOX BEAM COLUMNS, HORIZONTAL I-BEAM & EXTERIOR END SKIRT TO RECEIVE HIGH QUALITY PAINT WITH SEMI-GLOSS FINISH, COLOR GRAY AS APPROVED BY PLAINSBORO TOWNSHIP.

TYPICAL SOLAR CARPORT STRUCTURAL RENDERING
SCALE: N.T.S.



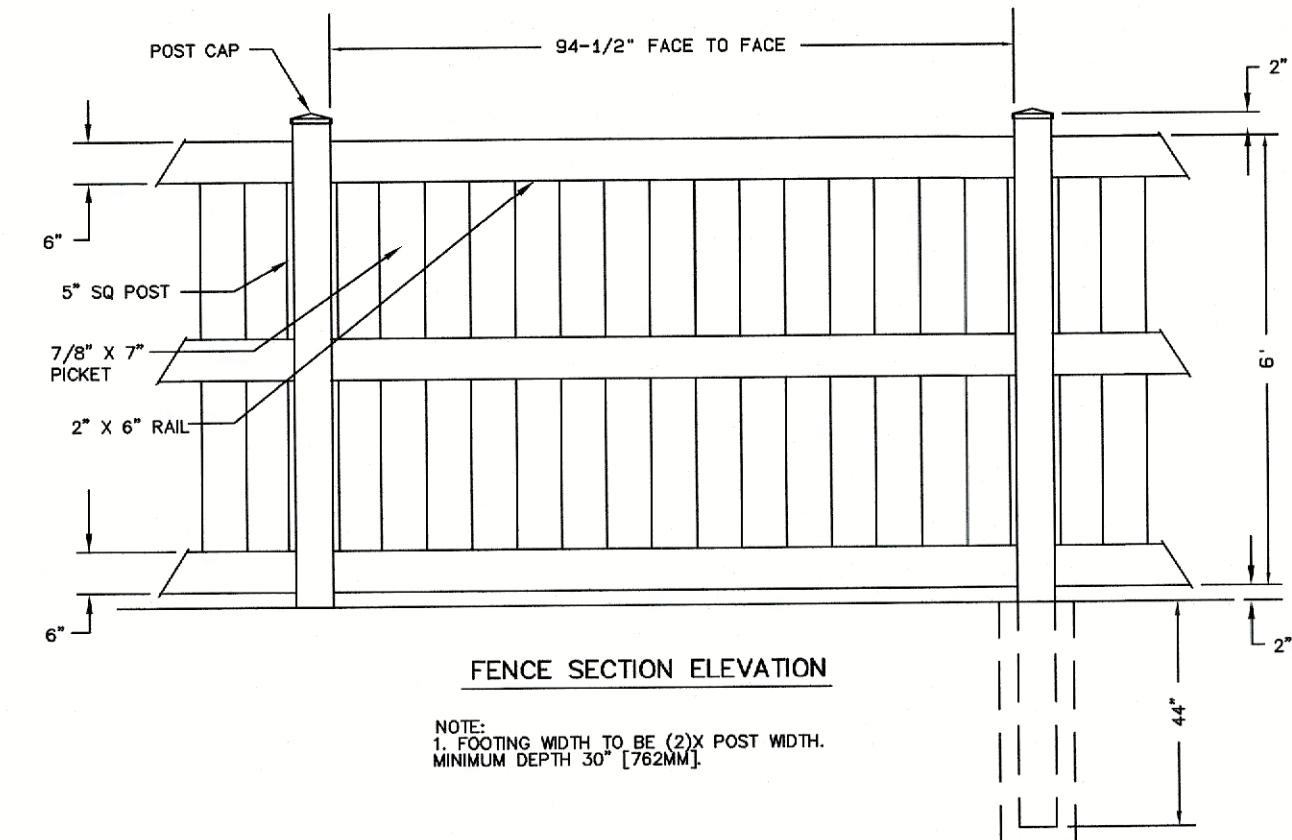
SOLAR CANOPY SIDE VIEW
SCALE: N.T.S.

12/08/25	REV SHEET AND TITLE INFORMATION	SA	JMF	
10/28/25	REV PER TWP COMMENTS	SA	JMF	
DATE	REVISION	DRAWN	CHECKED	RELEASED
CONSTRUCTION DETAILS				
SITE PLAN				
MILLSTONE RIVER ELEMENTARY SCHOOL, 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)				
COMMUNITY MIDDLE SCHOOL, 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)				
HIGH SCHOOL NORTH, 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)				
SITUATED IN PLAINSBORO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY				
CIVIL ENGINEERS LAND SURVEYORS PLANNERS LANDSCAPE ARCHITECTS RESERVE SPECIALISTS ARCHITECTS				
FWH ASSOCIATES, P.A.				
FWHASSOCIATES.COM				
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DRAWN BY	SA	DATE	10/28/25	
DESIGNED BY	JMF	SCALE	N.T.S.	
CHECKED BY	JMF	DRAWER NO.		
RELEASED BY	CPR	PROJECT NO.	5695.0004	
SHEET NO.	15	OF	19	
Christopher P. Rosati				
PROFESSIONAL ENGINEER N.J. LIC. NO. 41981				



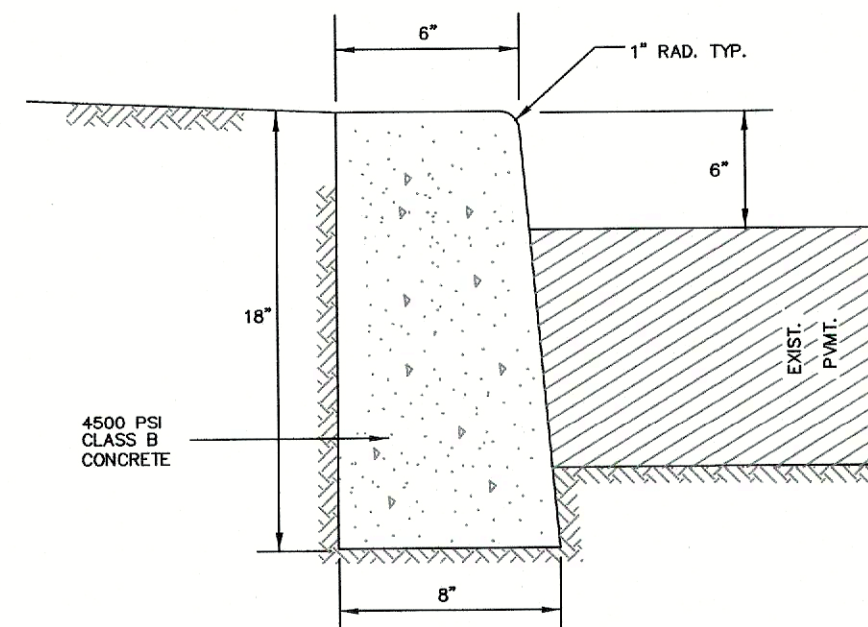
TYPICAL SOLAR CARPORT CANOPY SECTION

SCALE: N.T.S.



GRAY COMPOSITE BOARD FENCE DETAIL

N.T.S.

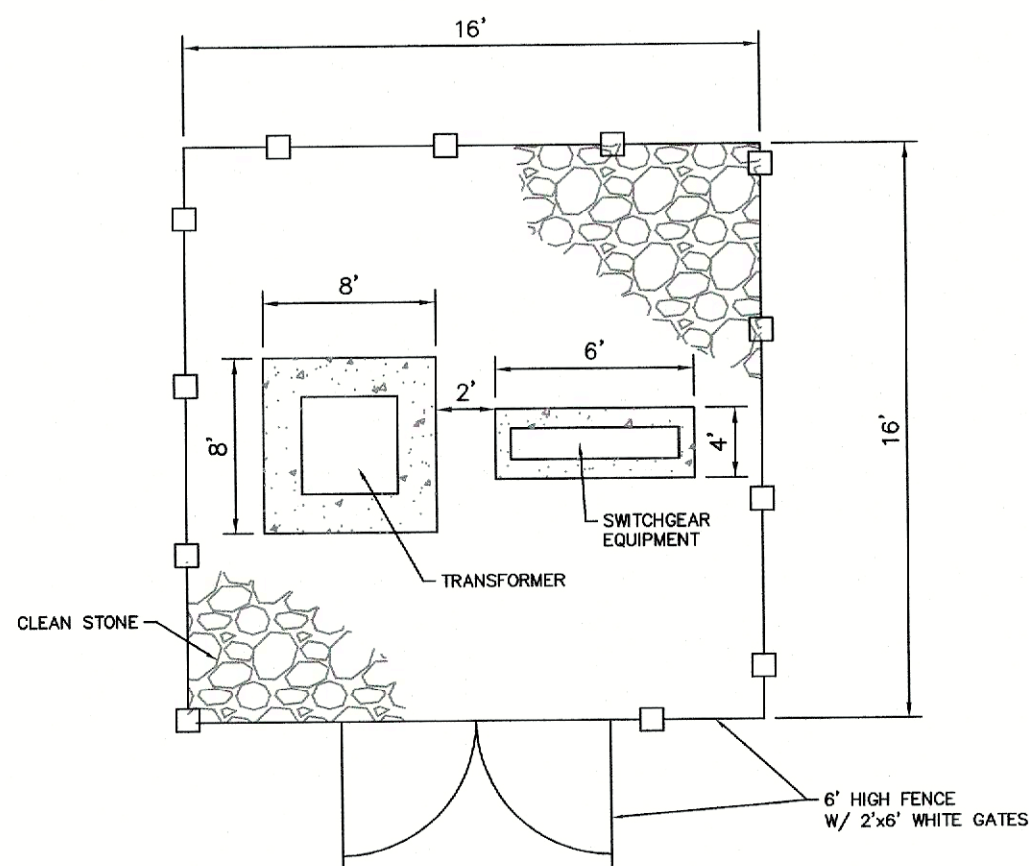


NOTES:

- EXPANSION JOINTS SHALL BE CONSTRUCTED 20' ON CENTER, AND CONTRACTION JOINTS SHALL BE CONSTRUCTED 10' ON CENTER.
- TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS IMPREGNATED FIBER FILLER, COMPLYING WITH ALL OF THE REQUIREMENTS OF AASHTO SPEC. M 213, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB. ALL JOINTS TO BE FULL DEPTH OF 18".
- WHEN NEW CURB IS INSTALLED ALONG AN EXISTING PAVED AREA, THE EXISTING PAVEMENT SHALL BE NEAT CUT AND THE NEW PAVEMENT SHALL BE TACKED AND BUTTED TO EXISTING PAVEMENT.
- CURB FACE HEIGHT IS NORMALLY MINIMUM 6" BUT MAY BE REQUIRED TO BE REDUCED TO MATCH EXISTING ADJACENT CURBS UPON APPROVAL.

CONCRETE CURB DETAIL

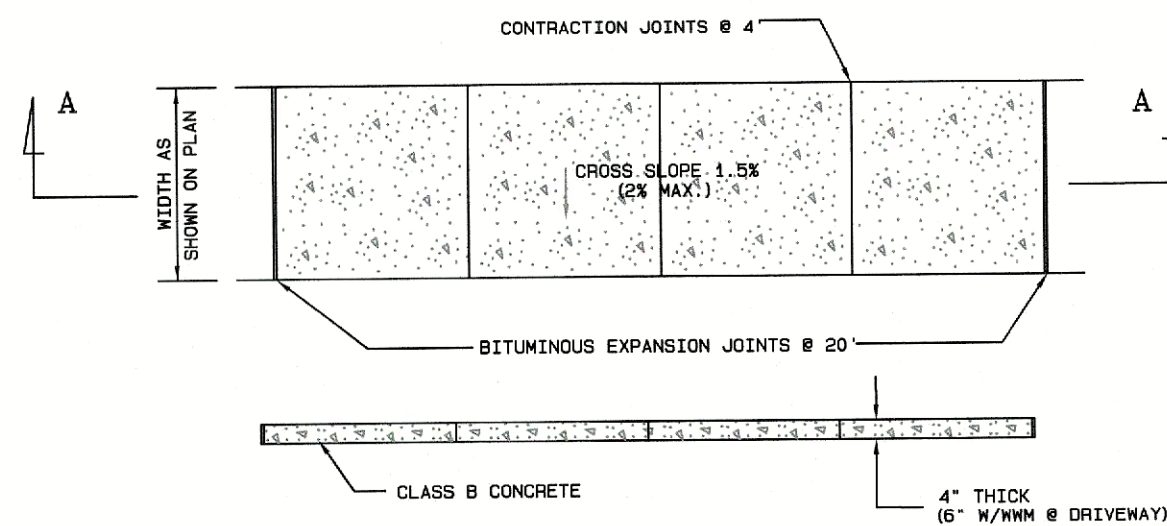
N.T.S.



- NOTES:
- EQUIPMENT LAYOUT MAY VARY WITHIN FENCED AREA.
 - CONTRACTOR TO PROVIDE SECURITY LOCKS OR GATES.

TYPICAL EQUIPMENT LAYOUT DETAIL

SCALE: N.T.S.

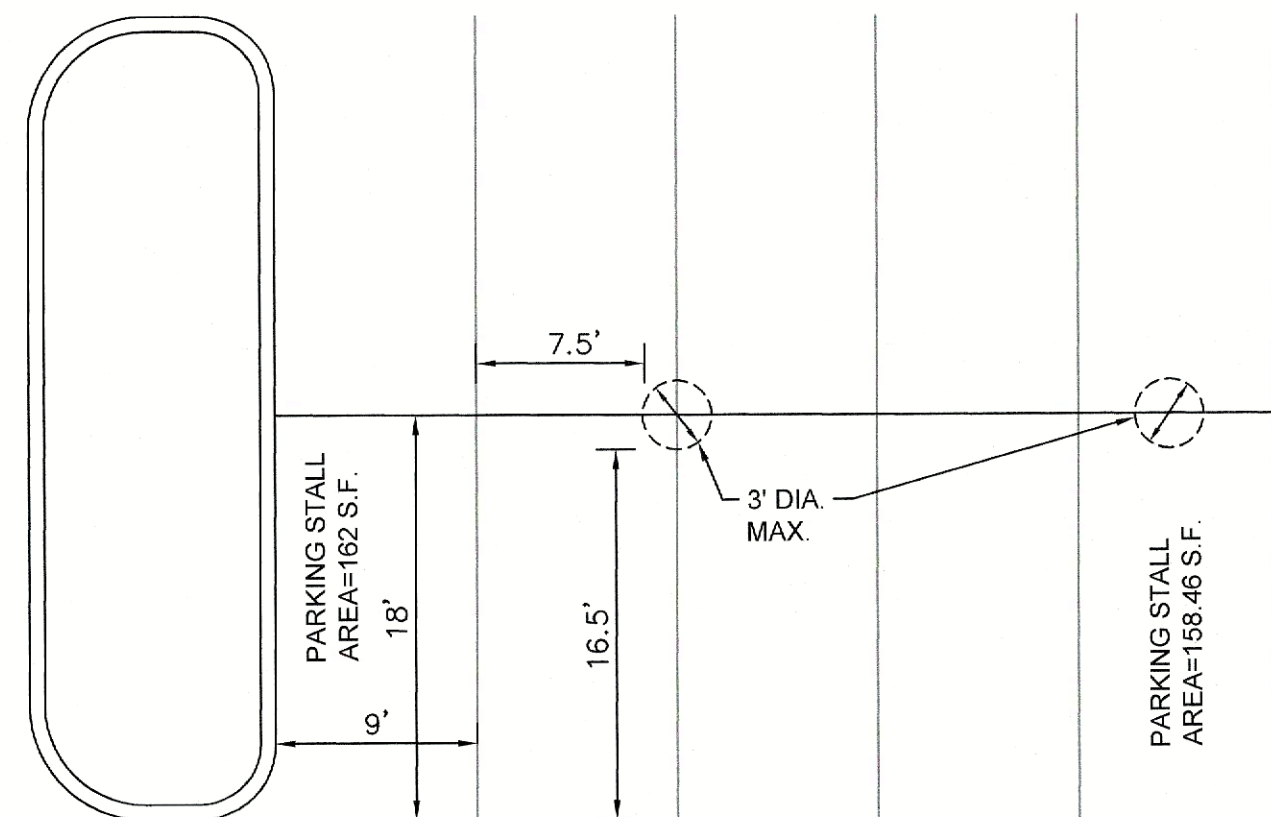


SIDEWALK NOTES:

- A PREFORMED, BITUMINOUS EXPANSION JOINT 1/2" THICK, 4" WIDE, AND EXTENDING THE FULL WIDTH OF THE WALK, UNBROKEN, SHALL BE INSTALLED EVERY 20 FEET. CONTRACTION JOINTS SHALL BE INSTALLED EVERY MAXIMUM 4 FEET THE FULL WALK WIDTH.
- THERE SHALL BE A BROOM FINISH TO ENSURE A SLIP RESISTANT WEARING SURFACE IN ACCORDANCE WITH ADA.
- CONCRETE SHALL BE MINIMUM 4000 PSI.

SIDEWALK DETAIL

SCALE: N.T.S.



* ALL PAVEMENT MARKINGS TO BE EPOXY RESIN PAINT APPLIED BY NJDOT SPECIFICATONS.

CANOPY FOUNDATION & PARKING STALL DETAIL

DATE	REV SHEET AND TITLE INFORMATION	SA	JMF
12/08/25	REV PER TWP COMMENTS	SA	JMF
10/28/25	REVISION	DRAWN	CHECKED

CONSTRUCTION DETAILS

SITE PLAN

MILLSTONE RIVER ELEMENTARY SCHOOL, 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)
COMMUNITY MIDDLE SCHOOL, 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)
HIGH SCHOOL NORTH, 90 GROVERS MILL ROAD (BLOCK 1902 - LOT 23)

SITUATED IN
PLAINSBO RO TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

FWH ASSOCIATES, P.A.

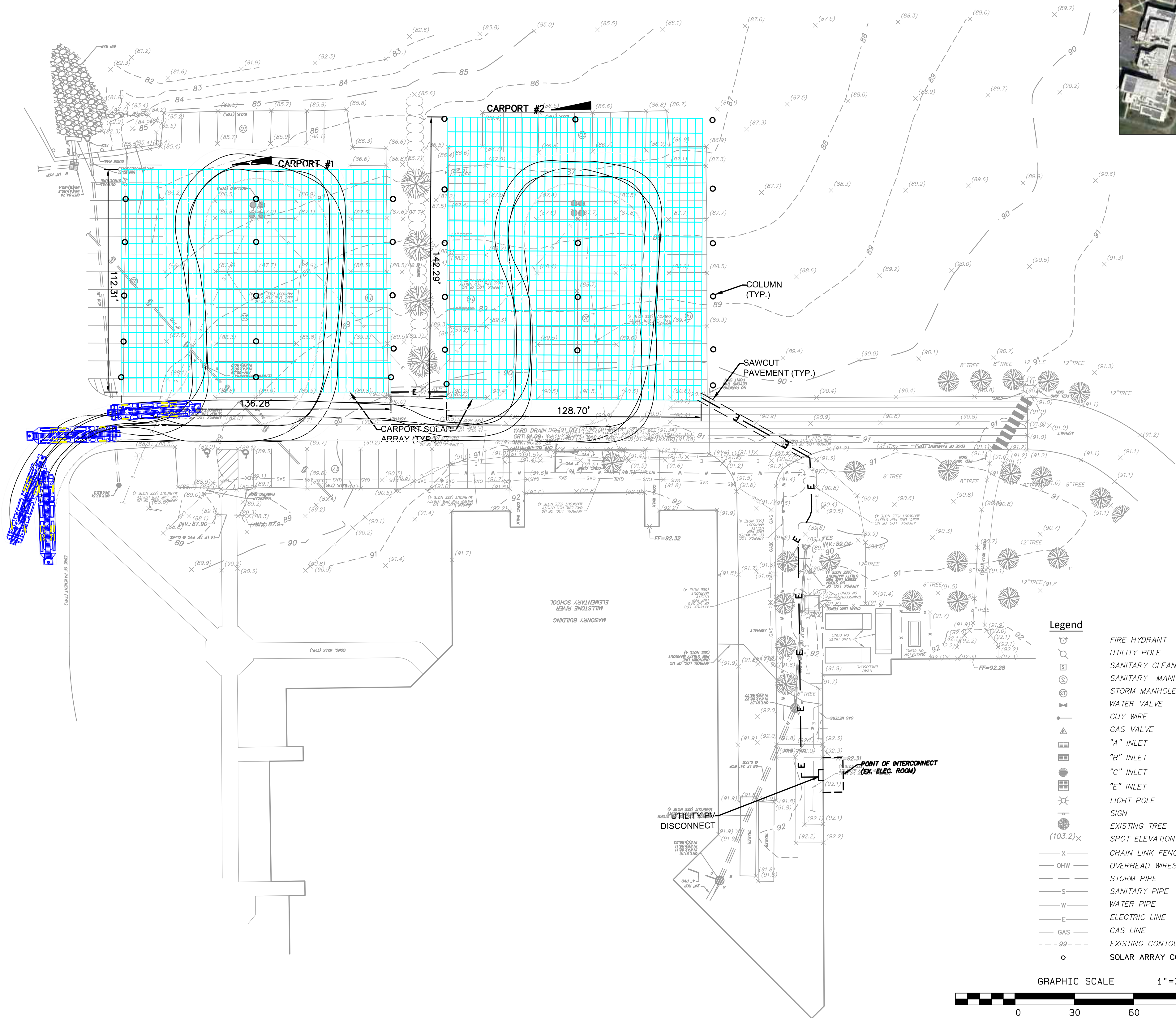
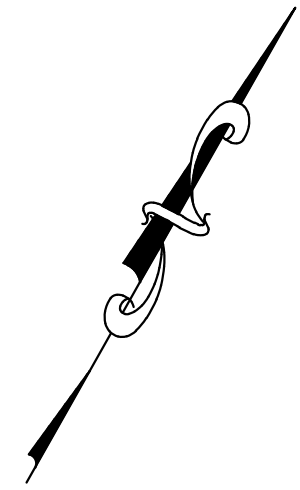
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RESERVE SPECIALISTS
ARCHITECTS

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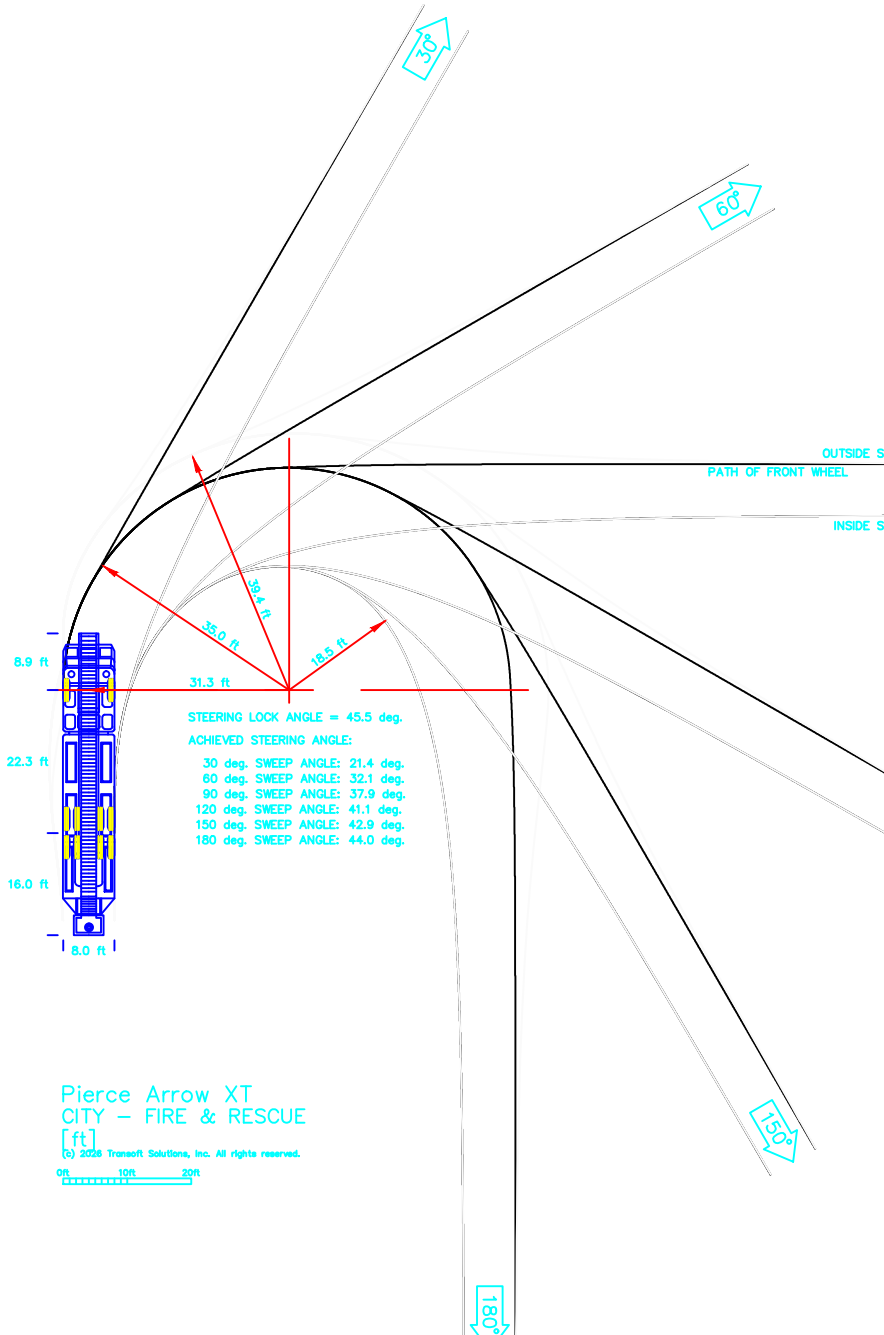
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DESIGNED BY	SA	DATE	10/28/25
CHECKED BY	JMF	SCALE	N.T.S.
RELEASED BY	JMF	DRAWN NO.	
PROJECT NO.	CPR	PROJECT NO.	5696.0004
SHEET NO.	16	OF	19

PROFESSIONAL ENGINEER
N.J. LIC. NO. 41981



AERIAL MAP
SCALE: N. T. S.



APPROXIMATE HEIGHT OF A FIRE TRUCK IS 12'-3"
MIN. HEIGHT OF SOLAR ARRAY IS 13.5'

01/22/26	REVISE PER FIRE OFFICIAL COMMENTS	DSM	JMF	
DATE	REVISION	DRAWN	CHECKED	RELEASED

CIRCULATION PLAN-MILLSTONE RIVER ELEMENTARY SCHOOL

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)
COMMUNITY MIDDLE SCHOOL 95 GROVERS MILL ROAD (BLOCK 1901 - LOT 3)
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ASSOCIATES, P.A.

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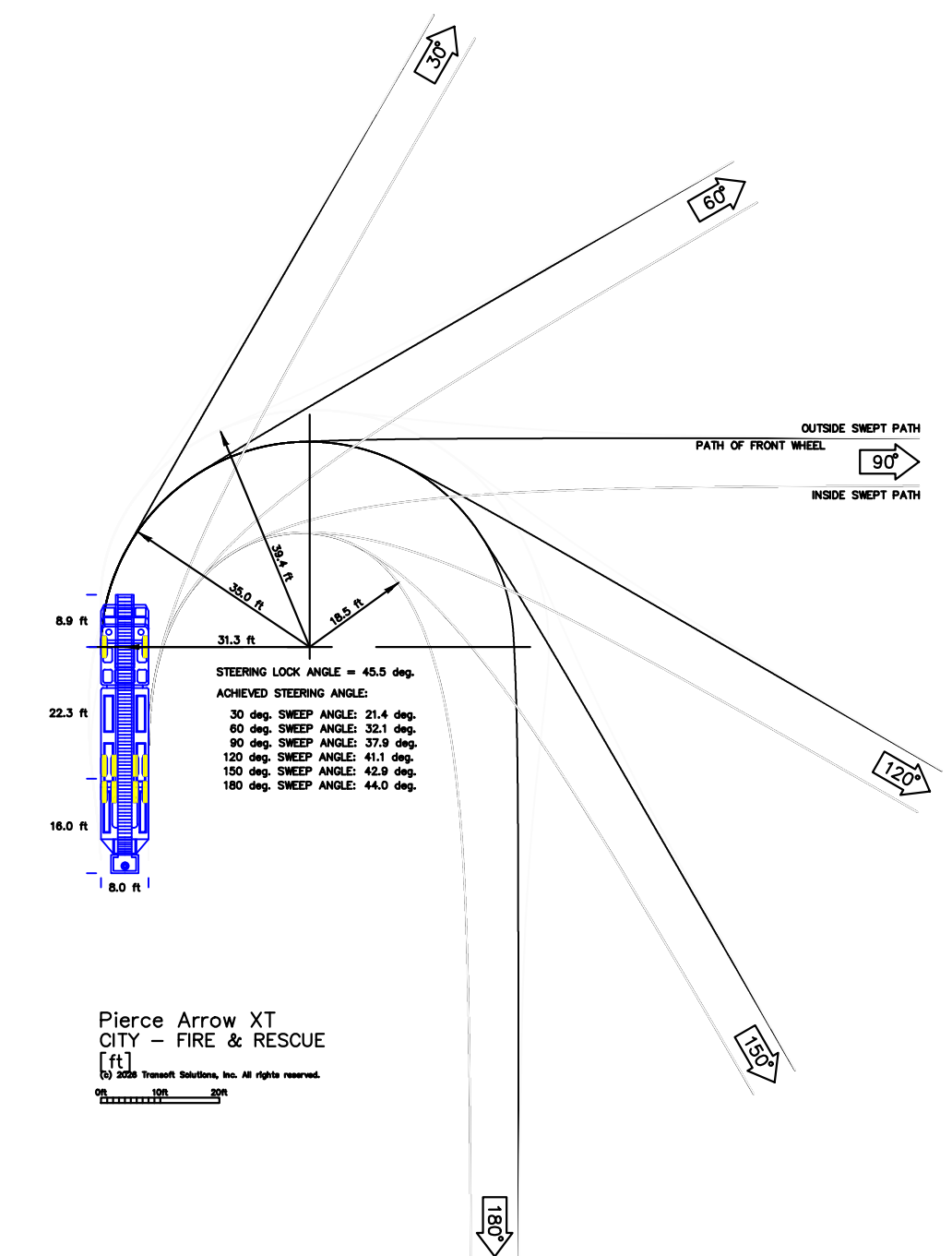
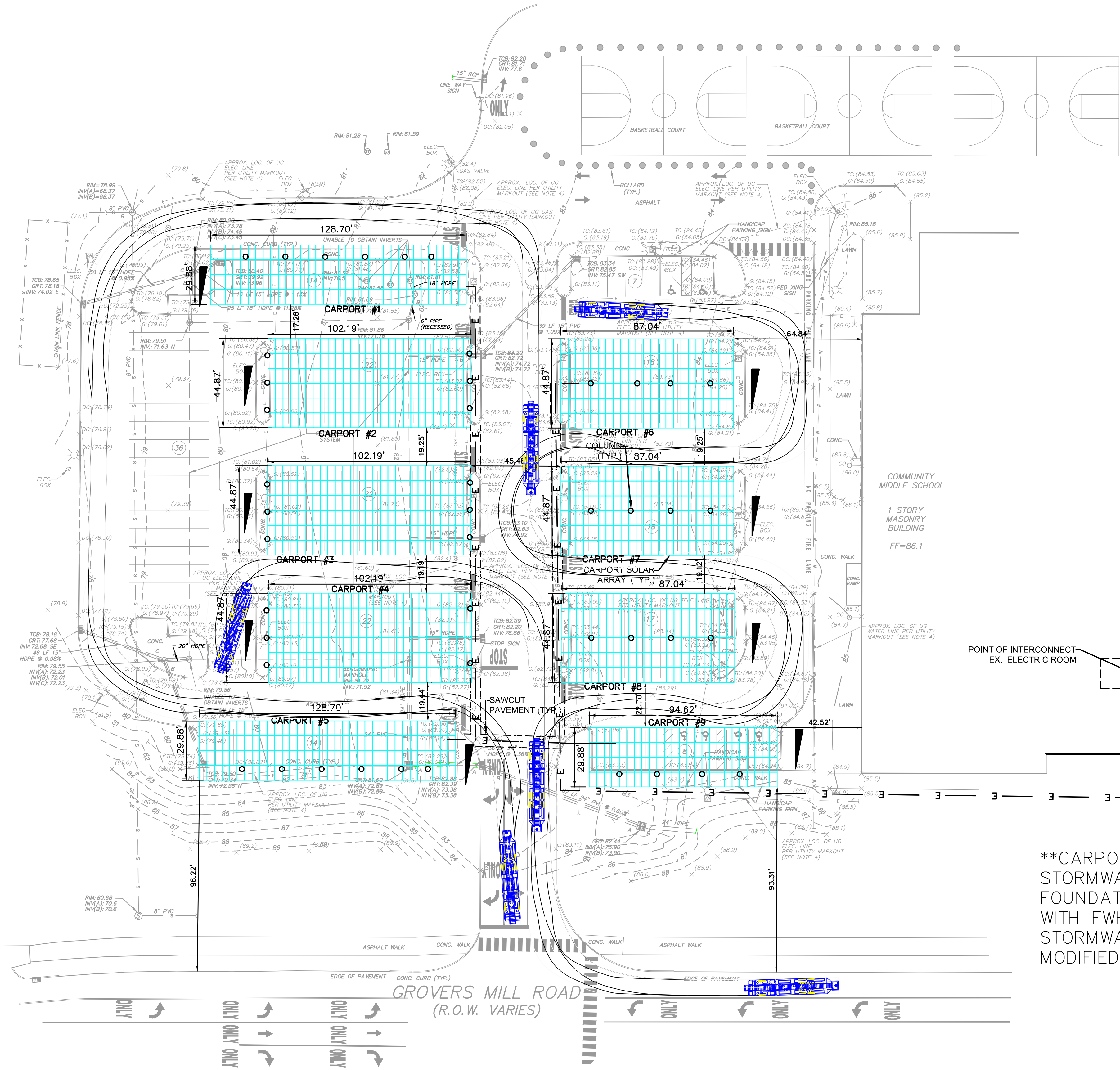
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PROFESSIONAL ENGINEER
N.J. LIC. NO. 41981

DRAWN BY	DATE
CSM	12/08/25
DESIGNED BY	SCALE
JMF	1"=30'
CHECKED BY	DRAWN NO.
JMF	PC-1038
RELEASED BY	PROJECT NO.
CPR	5696.0004
SHEET NO.	OF
17	19

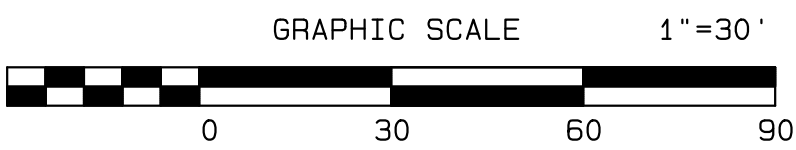


AERIAL MAP
SCALE: N.T.S.



APPROXIMATE HEIGHT OF A FIRE TRUCK IS 12'-3".
MIN. HEIGHT OF SOLAR ARRAY IS 13.5'

**CARPORTS #2, #3 & #4 SPAN OVER AN EXISTING
STORMWATER RECHARGE SYSTEM. COLUMN
FOUNDATION LOCATIONS MUST BE COORDINATED
WITH FWH ASSOCIATES PRIOR TO CONSTRUCTION.
STORMWATER RECHARGE SYSTEM MAY NOT BE
MODIFIED OR COMPROMISED.



01/22/26	REVISE PER FIRE OFFICIAL COMMENTS	DSM	JMF
DATE	REVISION	DRAWN	CHECKED
RELEASED			

CIRCULATION PLAN-COMMUNITY MIDDLE SCHOOL

SITE PLAN
MILLSTONE RIVER ELEMENTARY SCHOOL 75 GROVERS MILL ROAD (BLOCK 2001 - LOT 1)
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DRAWN BY	CSM	DATE	12/08/25
DESIGNED BY	JMF	SCALE	1"=30'
CHECKED BY	JMF	DRAWER NO.	
RELEASED BY	CPR	PROJECT NO.	5696.0006
SHEET NO.	18		19

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