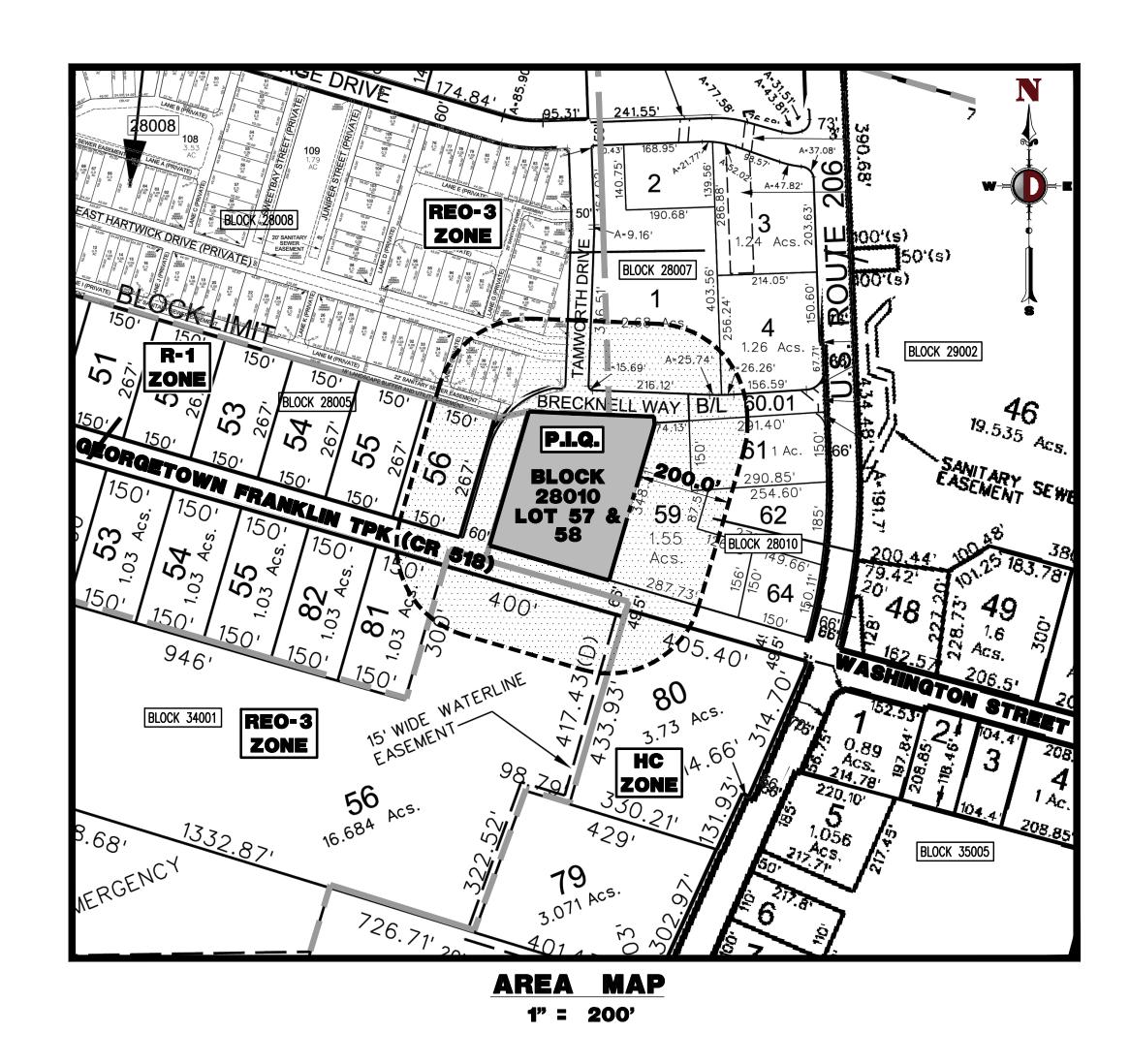
PRELIMINARY AND FINAL MAJOR SITE PLAN

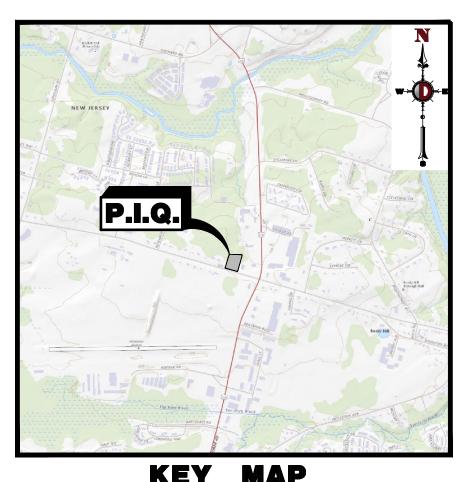
FOR

MALVERN SCHOOL PROPERTIES, LP PROPOSED DAY SCHOOL

BLOCK 28010, LOT 57 & 58; TAX MAP SHEET #55 - LATEST REV. DATED 2020-2021 982 GEORGETOWN-FRANKLIN TURNPIKE TOWNSHIP OF MONTGOMERY SOMERSET COUNTY, NEW JERSEY

200' PR	OPERTY	OWNER	S LIST
PROPERTY OWNER	BLOCK	<u>LOT</u>	ALSO TO BE NOTIFIED:
MALLELA, PURUSHOTHAM R & H A 63 HARTWICK DRIVE SKILLMAN, NJ 08558	28003	56	TOWNSHIP OF MONTGOMERY CLERK'S OFFICE 100 COMMUNITY DR SKILLMAN, NJ 08558
VILLAGE WALK 1330, LLOC 219 NASSAU STREET PRINCETON, NJ 08542	28007	1	SOMERSET COUNTY PLANNING BOARD PO BOX 3000 SOMERVILLE, NJ 08876
VILLAGE SHOPPES AT MONTGOMERY 219 NASSAU STREET PRINCETON, NJ 08542	28007	4	NJ DEPARTMENT OF TRANSPORTATION 1035 PARKWAY AVE, CN600 TRENTON, NJ 08625
SHARBELL PLAINSBORO INC 1 WASHINGTON BLVD ROBBINSVILLE, NJ 08691	28008	35	COMCAST CABLE 100 RANDOLPH ROAD SOMERSET, NJ 08873
SHARBELL PLAINSBORO INC 1 WASHINGTON BLVD ROBBINSVILLE, NJ 08691	28008	36	NEW JERSEY AMERICAN WATER ATTN: DONNA SHORT, GIS SUPERVISOR 1025 LAURAL OAK RD
SHARBELL PLAINSBORO INC 1 WASHINGTON BLVD ROBBINSVILLE, NJ 08691	28008	37	VOORHEES, NJ 08043 CENTURY LINK ATTN: BOB O'CONNER
SHARBELL PLAINSBORO INC 1 WASHINGTON BLVD ROBBINSVILLE, NJ 08691	28008	38	256 PAUL ST BELVIDERE, NJ 07823 PUBLIC SERVICE ELECTRIC & GAS
SHARBELL PLAINSBORO INC 1 WASHINGTON BLVD ROBBINSVILLE, NJ 08691	28008	91	MANAGER-CORPORATE-PROPERTIES 80 PARK PLAZA- T6B NEWARK, NJ 07102
SHARBELL PLAINSBORO INC 1 WASHINGTON BLVD ROBBINSVILLE, NJ 08691	28008	108	DEPARTMENT OF PUBLIC WORKS TOWNSHIP OF MONTGOMERY 100 COMMUNITY DRIVE SKILLMAN, NJ 08558
SHARBELL PLAINSBORO INC 1 WASHINGTON BLVD ROBBINSVILLE, NJ 08691	28008	110	ATTN: ARTUR VILLANO, SUPERINTENDANT
TOWNSHIP OF MONTGOMERY	28010	59	UTILITY COMPANIES: NEW JERSEY AMERICAN WATER 1-800-272-1325
100 COMMUNITY DRIVE SKILLMAN, NJ 08558	28010	60.01	PUBLIC SERVICE ELECTRIC & GAS 800-722-0256
AMERICAN REALTY ASSOC 0/0 PRC. 1600 HIGHWAY 34 NEPTUNE, NJ 07753	. INNKEEPER 28010	61	SANITARY SEWER — MONTGOMERY TOWNSHIP ENGINEERING DEPT. 908-359-8211 EXT. 2244
AMERICAN REALTY ASSOC 0/0 PRC. 1600 HIGHWAY 34 NEPTUNE, NJ 07753	. INNKEEPER 28010	62	
PRINCETON PROMENADE, LLC 1115 HOWELL MILL RD NW ATLANTA, GA 30318	34001	56	
PRINCETON PROMENADE, LLC 1115 HOWELL MILL RD NW ATLANTA, GA 30318	34001	80	
PRINCETON PROMENADE. LLC			

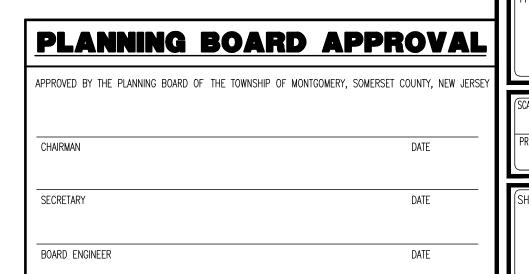




KEY MAP 1" = 2000'

DRAWING IN	DEX
COVER SHEET	1 of 22
AERIAL MAP	2 of 22
DEMOLITION AND TREE REMOVAL PLAN	3 of 22
SITE PLAN	4 of 22
GRADING PLAN	5 of 22
DRAINAGE PLAN	6 of 22
UTILITY PLAN	7 of 22
LANDSCAPE PLAN	8 of 22
LIGHTING PLAN	9 of 22
SOIL EROSION AND SEDIMENT CONTROL PLAN	10 of 22
SOIL MANAGEMENT PLAN	11 of 22
SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	12 of 22
CONSTRUCTION DETAILS	13 of 22
CONSTRUCTION DETAILS	14 of 22
CONSTRUCTION DETAILS	15 of 22
CONSTRUCTION DETAILS	16 of 22
CONSTRUCTION DETAILS	17 of 22
SOMERSET COUNTY CONSTRUCTION DETAILS	18 of 22
VEHICLE CIRCULATION PLAN — FIRE TRUCK	19 of 22
VEHICLE CIRCULATION PLAN — SU-30	20 of 22
VEHICLE CIRCULATION PLAN — REFUSE TRUCK	21 of 22
VEHICLE CIRCULATION PLAN — SCHOOL BUS	22 of 22
SANITARY SEWER EXTENSION PLAN	1 of 1
STEEP SLOPE ANALYSIS EXHIBIT	1 of 1

PREPARED BY DYNAMIC ENGINEERING CONSULTANTS, P.C. 1904 MAIN STREET LAKE COMO, NJ 07719 WWW.DYNAMICEC.COM



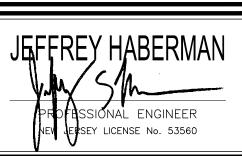
	- ENGINEERING - EARTH - SURVEY - TRAFFIC
	关

8 <u>I</u> 8				
STION				
Ĺ				
JEKSEY	1	09/19/23	REV. PER TWP. COMPLETENESS COMMENTS	KTK
	REV.	REV. DATE	COMMENTS	ВУ

ONLY AND MAY NOT BE USED FOR GONSTRU		NOT			FOR	GONST	
							П
(DRAWN BY:	DESIGNED BY:	D BY:		CHECKED BY:	37:	CHECKED BY:) BY:
XTX	<u> </u> 	AF			JSH	 	
						-	
PROJECT: MALVERN SCHOOL PROPERTIES, L	MALVERN SCHOOL	N S	 		ROPE	RTIES,	∥┛
98 98 00	BLOCK 28010, LOTS 57 & 58 982 GEORGETOWN-FRANKLIN TURNPIKE TOWNSHIP OF MONTGOMERY, SOMERSET COU	O10, L GETOW OF MON	OTS N-FF ITGOM	57 & RANKLIN ERY, SO	58 TURN MERSET	BLOCK 28010, LOTS 57 & 58 982 GEORGETOWN—FRANKLIN TURNPIKE TOWNSHIP OF MONTGOMERY, SOMERSET COUNTY, NEV	NE

EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

WWW.CALL811.COM
DYNAMIC ENGINEERING
LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING
1904 Main Street, Lake Como, NJ 0771 T: 732.974.0198 F: 732.974.3521
Offices conveniently located at:



JACQUELYN GIORDANC PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 53558

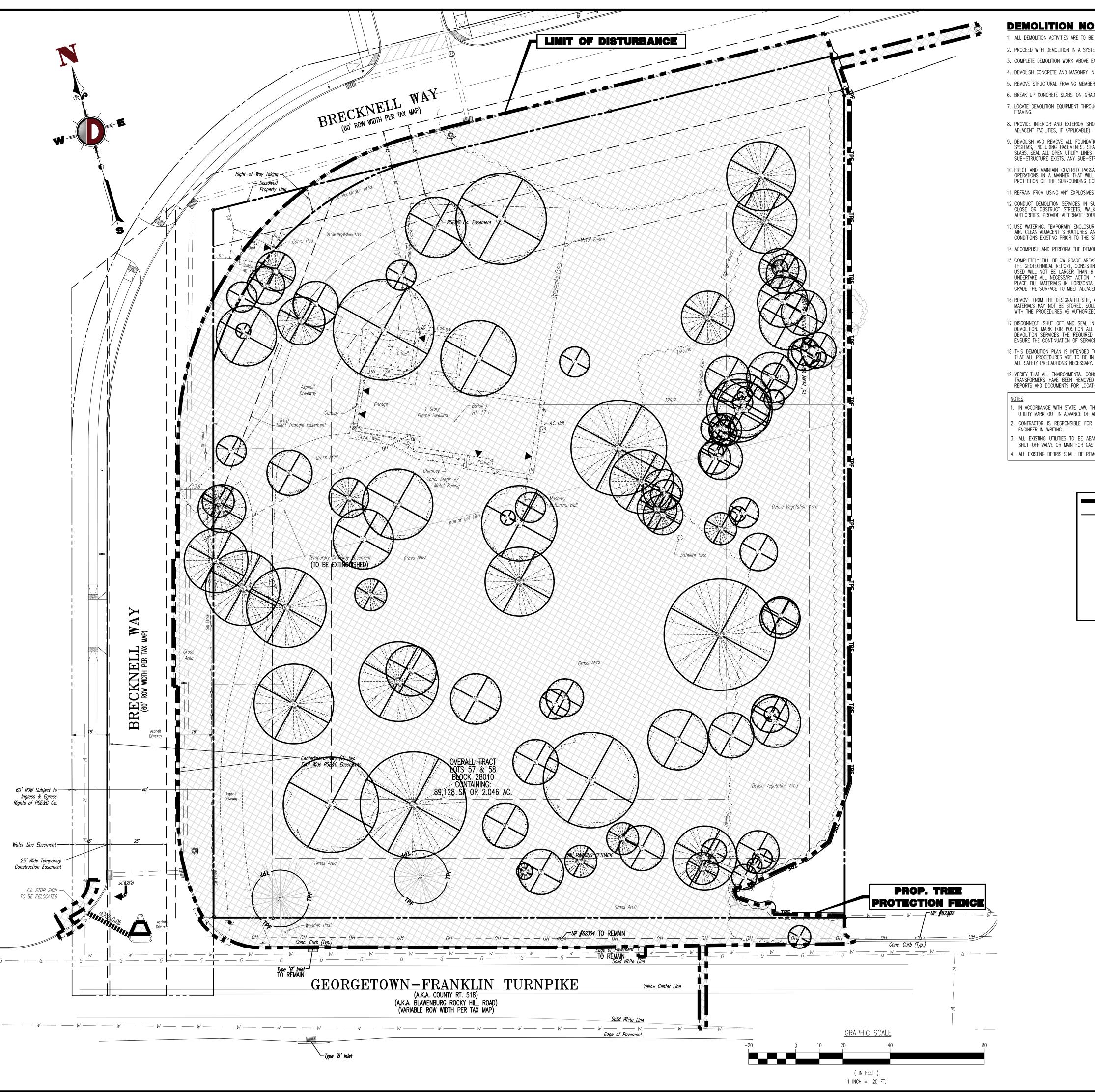
TITLE:	
COVER	SHEET

DJECT No: 4447-22-01334	
EET No:	0F 22 Rev. #:

THESE PLANS ARE NOT ACCEPTED FOR CONSTRUCTION UNLESS THI BLOCK IS STAMPED "ACCEPTED AS SUBMITTED" BY A STAFF MEMBER

THE SOMERSET COUNTY ENGINEERING DIVISION. BIDS FOR ONSTRUCTION SHOULD NOT BE BASED ON THESE PLANS UNTIL THE

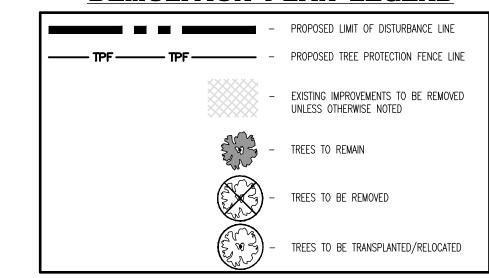




DEMOLITION NOTES

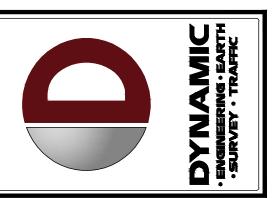
- 1. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- 2. PROCEED WITH DEMOLITION IN A SYSTEMATIC MANNER, FROM THE TOP OF THE STRUCTURE(S) TO THE GROUND.
- 3. COMPLETE DEMOLITION WORK ABOVE EACH FLOOR OR TIER BEFORE DISTURBING ANY OF THE SUPPORTING MEMBERS OF THE LOWER LEVELS.
- 4. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS.
- 5. REMOVE STRUCTURAL FRAMING MEMBERS AND LOWER THEM TO THE GROUND.
- 6. BREAK UP CONCRETE SLABS-ON-GRADE, UNLESS OTHERWISE DIRECTED BY OWNER.
- 7. LOCATE DEMOLITION EQUIPMENT THROUGHOUT THE STRUCTURE AND REMOVE MATERIALS SO AS TO NOT IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR
- 8. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING AND SUPPORTS TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED (AND ADJACENT FACILITIES, IF APPLICABLE).
- 9. DEMOLISH AND REMOVE ALL FOUNDATION WALLS, FOOTINGS AND OTHER MATERIALS WITHIN THE AREA OF THE DESIGNATED FUTURE BUILDING. ALL OTHER FOUNDATION SYSTEMS, INCLUDING BASEMENTS, SHALL BE DEMOLISHED TO A DEPTH OF NOT LESS THAN ONE FOOT BELOW PROPOSED PAVEMENT OR, BREAK BASEMENT FLOOR SLABS. SEAL ALL OPEN UTILITY LINES WITH CONCRETE. CONTRACTOR TO REVIEW STRUCTURE PRIOR TO DEMOLITION TO DETERMINE IF BASEMENT, CRAWL SPACE OR ANY SUB—STRUCTURE EXISTS. ANY SUB—STRUCTURE, INCLUDING BASEMENTS SHALL BE REMOVED IN ITS ENTIRETY OR AS DIRECTED BY OWNER.
- 10. ERECT AND MAINTAIN COVERED PASSAGEWAYS IN ORDER TO PROVIDE SAFE PASSAGE FOR PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT ALL DEMOLITION OPERATIONS IN A MANNER THAT WILL PREVENT DAMAGE AND PERSONAL INJURY TO STRUCTURES, ADJACENT BUILDINGS AND ALL PERSONS. PLACE THE SAFETY AND PROTECTION OF THE SURROUNDING COMMUNITY AND PROPERTY AT THE HIGHEST PRIORITY.
- 11. REFRAIN FROM USING ANY EXPLOSIVES WITHOUT PRIOR WRITTEN CONSENT OF OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES.
- 12. CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF OWNER AND ANY APPLICABLE GOVERNMENTAL AUTHORITIES. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED BY APPLICABLE GOVERNMENTAL REGULATIONS.
- 13. USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE AIR. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.
- 14. ACCOMPLISH AND PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.
- 15. COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT BE USED AS FILL. PRIOR TO PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO ENSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY. GRADE THE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
- 16. REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS, RUBBISH, SALVAGEABLE ITEMS, HAZARDOUS AND COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON THE SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND AUTHORITIES.
- 17. DISCONNECT, SHUT OFF AND SEAL IN CONCRETE ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DESIGNATED DEMOLITION. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY BEFORE THE COMMENCEMENT OF DEMOLITION SERVICES THE REQUIRED INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO
- 18. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL PROCEDURES ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR
- 19. VERIFY THAT ALL ENVIRONMENTAL CONCERNS INCLUDING BUT NOT LIMITED TO ASBESTOS, LEAD BASED PAINT, HAZMAT MATERIALS, UNDERGROUND STORAGE TANKS, AND TRANSFORMERS HAVE BEEN REMOVED PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES. THESE ARE NOT SHOWN ON THE PLANS. REFER TO ENVIRONMENTAL REPORTS AND DOCUMENTS FOR LOCATIONS AND DISPOSAL PROCEDURES.
- 1. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL BE REQUIRED TO CALL THE BOARD OF PUBLIC UTILITIES ONE CALL DAMAGE PROTECTION SYSTEM OR UTILITY MARK OUT IN ADVANCE OF ANY EXCAVATION.
- 2. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE
- 3. ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE DISCONNECTED AND CAPPED AT THE MAIN FOR WATER, AT THE CLEAN-OUT FOR SEWER AND THE SHUT-OFF VALVE OR MAIN FOR GAS IN ACCORDANCE WITH MUNICIPAL AND LOCAL UTILITY REQUIREMENTS.
- 4. ALL EXISTING DEBRIS SHALL BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH MUNICIPAL AND LOCAL UTILITY COMPANY REQUIREMENTS.

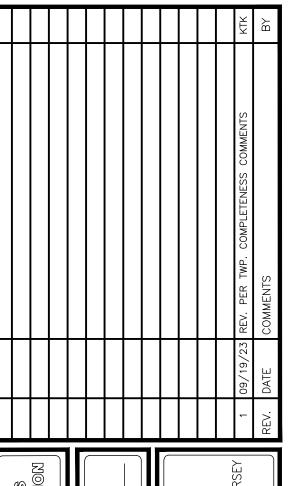
DEMOLITION PLAN LEGEND



TREE REMOVAL CHART

TREE SIZE (CALIPER) – TBR	QUANTITY
6"	8
8"	3
9"	2
10"	4
11"	2
12"	15
13"	3
14"	1
15"	11
16"	
	2 2
17" 18"	11
20"	6
20	
22"	1
23"	2
24"	8
25"	1
26"	2
28"	2
30"	5
36"	2
38"	2
40"	2
42"	1
TOTAL	98





PROJECT: MALVERN SCHOOL PROPERTIES, LP PROPOSED DAY SCHOOL BLOCK 28010, LOTS 57 & 58 982 GEORGETOWN-FRANKLIN TURNPIKE TOWNSHIP OF MONTGOMERY, SOMERSET COUNTY, NEW JER	THIS PLA ONLY AND (THIS PLAIN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION	BNIITLIMBE 1812 FOB 60 	PURPOSES NSTRUCTI
PROJECT: MALVERN SCHOOL PROPERTIES, LP PROPOSED DAY SCHOOL BLOCK 28010, LOTS 57 & 58 982 GEORGETOWN-FRANKLIN TURNPIKE TOWNSHIP OF MONTGOMERY, SOMERSET COUNTY, NEW JE	DRAWN BY: KTK	DESIGNED BY: AF	ОНЕСКЕВ ВУ: JSH	СНЕСКЕВ ВУ:
	PROJECT: MA <i>PRO</i> BLO 982 10WN	LVERN SCHOC Posed DAY SCHOO CK 28010, LOTS E GEORGETOWN-FRA	OL PROPERTI 0. 57 & 58 ANKLIN TURNPIKE RY, SOMERSET COL	ES, LP



LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING

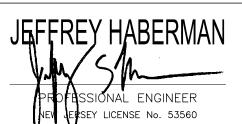
1904 Main Street, Lake Como, NJ 07719 T: 732.974.0198 | F: 732.974.3521

PROTECT YOURSELF

Offices conveniently located at:

Lake Comp., New Jersey • 1: 732.974.0198 Toms River, New Jersey • T: 732.678.0000

> Philadelphia, Pennsylvania • T: 215.253.4888 Delray Beach, Florida • T: 561.921.8570

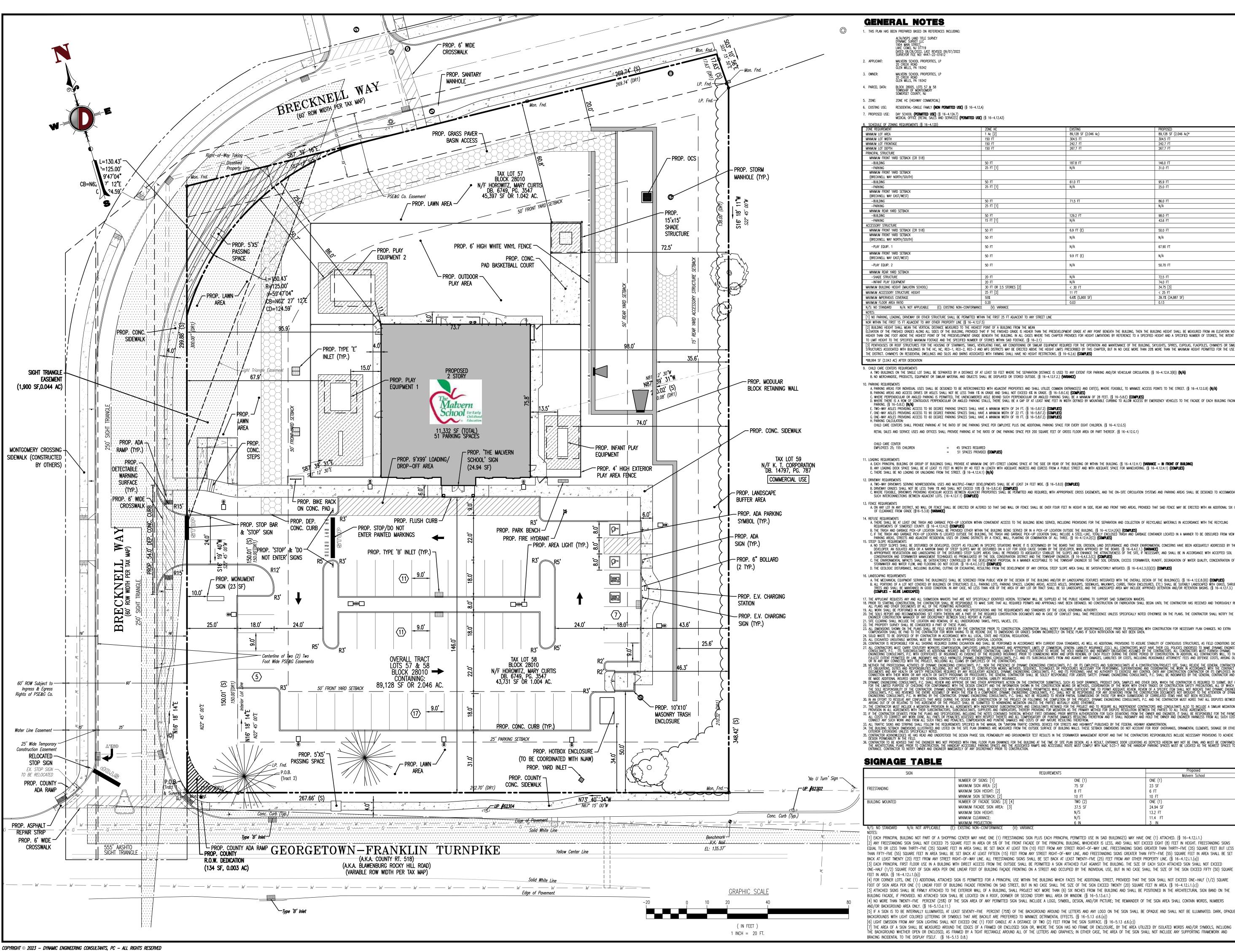


JACQUELYN GIORDANC

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 53558

DEMOLITION AND TREE REMOVAL PLAN

08/17/2023 PROJECT No: 4447-22-01334



GENERAL NOTES

1. THIS PLAN HAS BEEN PREPARED BASED ON REFERENCES INCLUDING:

MALVERN SCHOOL PROPERTIES, LP 20 CREEK ROAD GLEN MILLS, PA 19342 MALVERN SCHOOL PROPERTIES, LP GLEN MILLS, PA 19342

ZONE HC (HIGHWAY COMMERCIAL) 6. EXISTING USE: RESIDENTIAL—SINGLE FAMILY (NON PERMITTED USE) (§ 16-4.12.A)

DAY SCHOOL **(PERMITTED USE)** (§ 16-4.12A.7) MEDICAL OFFICE (RETAIL SALES AND SERVICES) **(PERMITTED USE)** (§ 16-4.12.A3)

ZONE REQUIREMENT	ZONE HC	EXISTING	PROPOSED
MINIMUM LOT AREA	1 Ac [2]	89,128 SF (2.046 Ac)	89,128 SF (2.046 Ac)*
MINIMUM LOT WIDTH	150 FT	304.5 FT	304.5 FT
MINIMUM LOT FRONTAGE	150 FT	242.7 FT	242.7 FT
MINIMUM LOT DEPTH	150 FT	267.7 FT	267.7 FT
PRINCIPAL STRUCTURE			
MINIMUM FRONT YARD SETBACK (CR 518)			
-BUILDING	50 FT	187.8 FT	146.0 FT
-PARKING	25 FT [1]	N/A	31.0 FT
MINIMUM FRONT YARD SETBACK			
(BRECKNELL WAY NORTH/SOUTH)			
-BUILDING	50 FT	61.0 FT	95.9 FT
-PARKING	25 FT [1]	N/A	25.0 FT
MINIMUM FRONT YARD SETBACK (BRECKNELL WAY EAST/WEST)			
-BUILDING	50 FT	71.5 FT	86.0 FT
-PARKING	25 FT [1]		N/A
MINIMUM REAR YARD SETBACK			
-BUILDING	50 FT	129.2 FT	98.0 FT
-PARKING	15 FT [1]	N/A	43.6 FT
ACCESSORY STRUCTURE			
MINIMUM FRONT YARD SETBACK (CR 518)	50 FT	6.9 FT (E)	50.0 FT
MINIMUM FRONT YARD SETBACK (BRECKNELL WAY NORTH/SOUTH)	50 FT	N/A	N/A
-PLAY EQUIP. 1	50 FT	N/A	67.90 FT
MINIMUM FRONT YARD SETBACK (BRECKNELL WAY EAST/WEST)	50 FT	9.9 FT (E)	N/A
-PLAY EQUIP. 2	50 FT	N/A	50.70 FT
MINIMUM REAR YARD SETBACK			
-SHADE STRUCTURE	20 FT	N/A	72.5 FT
-INFANT PLAY EQUIPMENT	20 FT	N/A	74.0 FT
MAXIMUM BUILDING HEIGHT (MALVERN SCHOOL)	30 FT OR 2.5 STORIES [2]	< 30 FT	34.75 [3]
MAXIMUM ACCESSORY STRUCTURE HEIGHT	25 FT [2]	11 FT	< 25 FT
MAXIMUM IMPERVIOUS COVERAGE	55%	6.6% (5,900 SF)	39.1% (34,887 SF)
MAXIMLIM FLOOR AREA RATIO	0.20	0.03	0.13

NO PARKING. LOADING, DRIVEWAY OR OTHER STRUCTURE SHALL BE PERMITTED WITHIN THE FIRST 25 FT ADJACENT TO ANY STREET LINI

BUILDING HEIGHT SHALL MEAN THE VERTICAL DISTANCE MEASURED TO THE HIGHEST POINT OF A BUILDING FROM THE MEAN 2] BOILDING FILEDING THE PRINCIPLE STRUCK DISTANCE DISTANCE DEPOSAGE OF THE BUILDING, PROVIDED THAT IT THE FINISHED GRADE IS HIGHER THAN THE PREDEVELOPMENT GRADE AT ANY POINT BENEATH THE BUILDING, THEN THE BUILDING, PROVIDED THAT IT THE FINISHED GRADE IS HIGHER THAN THE PREDEVELOPMENT GRADE AT ANY POINT BENEATH THE BUILDING, THEN THE BUILDING HEIGHT SHALL BE MEASURED FROM AN ELEVATION NO IGHER THAN ONE FOOT ABOVE THE HIGHEST POINT OF THE PREDEVELOPMENT GRADE BENEATH THE BUILDING, IN ALL CASES WHERE THIS CHAPTER PROVIDES FOR HEIGHT LIMITATIONS BY REFERENCE TO A SPECIFIED HEIGHT AND A SPECIFIED NUMBER OF STORIES, THE INTENT LIMIT HEIGHT TO THE SPECIFIED MAXIMUM FOOTAGE AND THE SPECIFIED NUMBER OF STORIES WITHIN SAID FOOTAGE. (§ 16–2.1) [3] PENTHOUSES OR ROOF STRUCTURES FOR THE HOUSING OF STAIRWAYS, TANKS, VENTILATING FANS, AIR CONDITIONING OR SIMILAR EQUIPMENT REQUIRED FOR THE OPERATION AND MAINTENANCE OF THE BUILDING, SKYLIGHTS, SPIRES, CUPOLAS, FLAGPOLES, CHIMNEYS OR SIMILAR EQUIPMENT REQUIRED FOR THE OPERATION AND MAINTENANCE OF THE BUILDING, SKYLIGHTS, SPIRES, CUPOLAS, FLAGPOLES, CHIMNEYS OR SIMILAR EQUIPMENT REQUIRED FOR THE OPERATION AND MAINTENANCE OF THE BUILDING, SKYLIGHTS, SPIRES, CUPOLAS, FLAGPOLES, CHIMNEYS OR SIMILAR EQUIPMENT REQUIRED FOR THE USE IN THE OPERATION AND MAINTENANCE OF THE HOUSING OF STAIRWAYS, TANKS, VENTILATING FANS, AIR CONDITIONING OR SIMILAR EQUIPMENT REQUIRED FOR THE OPERATION AND MAINTENANCE OF THE BUILDING, SKYLIGHTS, SPIRES, CUPOLAS, FLAGPOLES, CHIMNEYS OR SIMILAR EQUIPMENT FOR THE HEIGHT LIMITS PRESCRIBED BY THIS CHAPTER, BUT IN NO CASE MORE THAN 20% MORE THAN THE MAXIMUM HEIGHT PERMITTED FOR THE USE IN THE DISTRICT. CHIMNEYS ON RESIDENTIAL DWELLINGS AND SILOS AND BARNS ASSOCIATED WITH FARMING SHALL HAVE NO HEIGHT RESTRICTIONS. (§ 16-6.2.b.) (COMPLES)

A. TWO BUILDINGS ON THE SINGLE LOT SHALL BE SEPARATED BY A DISTANCE OF AT LEAST 50 FEET WHERE THE SEPARATION DISTANCE IS USED TO ANY EXTENT FOR PARKING AND/OR VEHICULAR CIRCULATION. (§ 16-4.12.K.3(B)) (N/A)

U. PARKING AREAS FOR INDIVIDUAL USES SHALL BE DESIGNED TO BE INTERCONNECTED WITH ADJACENT PROPERTIES AND SHALL UTILIZE COMMON ENTRANCE(S) AND EXIT(S), WHERE FEASIBLE, TO MINIMIZE ACCESS POINTS TO THE STREET. (§ 16-4.12.G.8) (N/A)

B. PARKING AREAS AND ACCESS DRIVES OR AISLES SHALL NOT BE LESS THAN 1% IN GRADE AND SHALL NOT EXCEED 6% IN GRADE. (§ 16-5.8.C.6) (COMPLES)

C. WHERE PERPENDICULAR OR ANGLED PARKING IS PERMITTED, THE UNENCUMBERED AISLE BEHIND SUCH PERPENDICULAR OR ANGLED PARKING SHALL BE A MINIMUM OF 28 FEET. (§ 16-5.8.E) (COMPLES)

D. WHERE THERE IS A ROW OF CONTIGUOUS PERPENDICULAR OR ANGLED PARKING STALLS, THERE SHALL BE A GAP OF AT LEAST NINE FEET IN WIDTH DEFINED BY MOUNTABLE CURBING TO ALLOW ACCESS BY EMERGENCY VEHICLES TO THE FACADE OF EACH BUILDING FACING SUCH PARKING. (§ 16-5.8.E) (N/A)

FARKING. (§ 10-3.6.E) (NYA)

E. TWO-WAY AISLES PROVIDING ACCESS TO 90 DEGREE PARKING SPACES SHALL HAVE A MINIMUM WIDTH OF 24 FT. (§ 16-5.8.F.2) (COMPULE
F. ONE-WAY AISLES PROVIDING ACCESS TO 90 DEGREE PARKING SPACES SHALL HAVE A MINIMUM WIDTH OF 22 FT. (§ 16-5.8.F.2) (COMPULE)

G. ONE-WAY AISLES PROVIDING ACCESS TO 60 DEGREE PARKING SPACES SHALL HAVE A MINIMUM WIDTH OF 18 FT. (§ 16-5.8.F.2) (COMPLES H. PARKING CALCULATION: CHILD CARE CENTERS SHALL PROVIDE PARKING AT THE RATIO OF ONE PARKING SPACE PER EMPLOYEE PLUS ONE ADDITIONAL PARKING SPACE FOR EVERY EIGHT CHILDREN. (§ 16-4.12.G.5)

= 45 SPACES REQUIRED = 51 SPACES PROVIDED (COMPLIES)

A. EACH PRINCIPAL BUILDING OR GROUP OF BUILDINGS SHALL PROVIDE AT MINIMUM ONE OFF-STREET LOADING SPACE AT THE SIDE OR REAR OF THE BUILDING OR WITHIN THE BUILDING. (§ 16-4.12.H.1) (VARIANCE — IN FRONT OF BUILDING)

B. ANY LOADING DOCK SPACE SHALL BE AT LEAST 15 FEET IN WIDTH BY 40 FEET IN LENGTH WITH ADEQUATE INGRESS AND EGRESS FROM A PUBLIC STREET AND WITH ADEQUATE SPACE FOR MANEUVERING. (§ 16-4.12.H.1) (COMPLES)

C. THERE SHALL BE NO LOADING OR UNLOADING FROM THE STREET. (§ 16-4.12.H.1) (N/A)

A. TWO-WAY DRIVEWAYS SERVING NONRESIDENTIAL USES AND MULTIPLE-FAMILY DEVELOPMENTS SHALL BE AT LEAST 24 FEET WIDE. (§ 16-5.8.D.) (COMPLES)

B. DRIVEWAY GRADES SHALL NOT BE LESS THAN 1% AND SHALL NOT EXCEED 10% (§ 16-5.8.C.6) (COMPLES)

C. WHERE FEASIBLE, DRIVEWAYS PROVIDING VEHICULAR ACCESS BETWEEN ADJACENT PROPERTIES SHALL BE PERMITTED AND REQUIRED, WITH APPROPRIATE CROSS EASEMENTS, AND THE ON-SITE CIRCULATION SYSTEMS AND PARKING AREAS SHALL BE DESIGNED TO ACCOMMODATE SUCH INTERCONNECTIONS BETWEEN ADJACENT LOTS. (16-4.12.F.1) (COMPLIES)

13. FENCE REQUIREMENTS
A. ON ANY LOT IN ANY DISTRICT, NO WALL OR FENCE SHALL BE ERECTED OR ALTERED SO THAT SAID WALL OR FENCE SHALL BE OVER FOUR FEET IN HEIGHT IN SIDE, REAR AND FRONT YARD AREAS, PROVIDED THAT SAID FENCE MAY BE ERECTED WITH AN ADDITIONAL SIX INCHES OF CLEARANCE FROM GRADE (§16-5.3.B) (VARIANCE)

A. THERE SHALL BE AT LEAST ONE TRASH AND GARBAGE PICK-UP LOCATION WITHIN CONVENIENT ACCESS TO THE BUILDING BEING SERVED, INCLUDING PROVISIONS FOR THE SEPARATION AND COLLECTION OF RECYCLABLE MATERIALS IN ACCORDANCE WITH THE RECYCLING REQUIREMENTS OF SOMERSET COUNTY. (§ 16-4.12.H.2) (COMPLES)

B. THE TRASH AND GARBAGE PICK-UP LOCATION SHALL BE PROVIDED EITHER WITHIN THE BUILDING BEING SERVED OR IN A PICK-UP LOCATION OUTSIDE THE BUILDING. (§ 16-4.12.H.2(A)) (COMPLES)

C. IF THE TRASH AND GARBAGE PICK-UP LOCATION IS LOCATED OUTSIDE THE BUILDING, THE TRASH AND GARBAGE PICK-UP LOCATION SHALL INCLUDE A STEEL-LIKE, TOTALLY ENCLOSED TRASH AND GARBAGE CONTAINER LOCATED IN A MANNER TO BE OBSCURED FROM VIEW FROM PARKING AREAS, STREETS AND ADJACENT RESIDENTIAL USES OR ZONING DISTRICTS BY A FENCE, WALL, PLANTING OR COMBINATION OF ALL THREE. (§ 16-4.12.H.2(C)) (COMPLES)

PARKING AREAS, STREETS AND ADJACENT RESIDENTIAL USES OR ZONING DISTRICTS BY A FENCE, WALL, PLANTING OR COMBINATION OF ALL THREE. (§ 16-4.12.H.2(C)) (COMPLES)

15. STEEP SLOPE REQUIREMENTS

A. NO STEEP SLOPES SHALL BE DISTURBED OR DEVELOPED, EXCEPT AS FOLLOWS IN SPECIFIC SITUATIONS WHERE IT IS DETERMINED BY THE BOARD THAT SOIL EROSION, LAND DISTURBANCE AND OTHER ENVIRONMENTAL CONCERNS HAVE BEEN ADEQUATELY ADDRESSED BY THE DEVELOPER. AN ISOLATED AREA OR A NARROW BAND OF STEEP SLOPES MAY BE DISTURBED ON A LOT FOR GOOD CAUSE SHOWN BY THE DEVELOPER, WHEN APPROVED BY THE BOARD. (§ 16-6.4.E.1.) (VARIANCE)

B. APPROPRIATE REVEGETATION AND LANDSCAPING OF THE DISTURBED SIEEP SLOPE AREAS SHALL BE ROVIDED TO ADEQUATELY STABILIZE THE SLOPES AND ENHANCE THE SITE, IF NECESSARY, AND SHALL BE IN ACCORDANCE WITH ACCEPTED SOIL CONSERVATION AND STORMWATER MANAGEMENT TECHNIQUES AS PROMULGATED BY THE SOIL CONSERVATION DISTRICT AND THE TOWNSHIP ENGINEER. (§ 16-6.4.E.3.(G)() (COMPLES)

C. THE ENVIRONMENTAL IMPACTS SHALL BE SATISFACTORILY CONTROLLED BY THE DEVELOPMENT PROPOSAL IN A MANNER ACCEPTABLE TO THE TOWNSHIP ENGINEER SO THAT SOIL EROSION, EXCESS STORMWATER, RUNOFF, DEGRADATION OF WATER QUALITY, CONCENTRATION OF STORMWATER AND WATER FLOW, AND FLOODING DO NOT OCCUR. (§ 16-6.4.E.3.(F)) (COMPLES)

D. THE GEOLOGIC DISTURBANCE, INCLUDING BLASTING, CUTTING OR EXCAVATING, RESULTING FROM THE DEVELOPMENT OF ANY CRITICAL STEEP SLOPE AREA SHALL BE SATISFACTORILY MITIGATED. (§ 16-6.4.E.3.(G)(2)) (COMPLES)

A. THE MECHANICAL EQUIPMENT SERVING THE BUILDING(S). SHALL BE SCREENED FROM PUBLIC VIEW BY THE DESIGN OF THE BUILDING AND/OR BY LANDSCAPING FEATURES INTEGRATED WITH THE OVERALL DESIGN OF THE BUILDING(S). (§ 16-4.12.E.8.(B)) (COMPLES)

B. ALL PORTIONS OF A LOT NOT COVERED BY BUILDINGS OR STRUCTURES (E.G., PARKING LOTS, PARKING SPACES, LOADING AREAS, ACCESS AISLES, DRIVEWAYS, SIDEWALKS, WALKWAYS, CURBS, TRASH ENCLOSURES, ETC.) SHALL BE SUITABLY LANDSCAPED WITH GRASS, SHRUBS, A TREES AND SHALL BE MAINTAINED IN GOOD CONDITION. IN ANY CASE, NO LESS THAN 45% OF THE AREA OF ANY LOT OR TRACT SHALL BE SO LANDSCAPED, AND THE LANDSCAPED AREA MAY INCLUDE APPROVED DETENTION AND/OR RETENTION BASINS. (§ 16-4.12.F.3.)

(COMPLES - 60.9% LANDSCAPED)

17. THE APPLICANT REQUESTS ANY AND ALL SUBMISSION WAVERS THAT ARE NOT SPECIFICALLY IDENTIFIED HEREIN. TESTIMONY WILL BE SUPPLIED AT THE PUBLIC HEARING TO SUPPORT SAID SUBMISSION WAVERS.

18. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES.

19. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.

20. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER CONSTRUCTION MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT & PLANS. STEE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.
THE PROPERTY SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.

. THE PROPERTY SURVEY SPALL BE CONSIDERED A PART OF THESE PLANS.
. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

24. SOLID WASTE TO BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
25. ALL EXCAVATED UNSUITABLE MATERIAL MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.
26. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION AND SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS, AS WELL AS ADDITIONAL PROVISIONS TO ASSURE STABILITY OF CONTIGUOUS STRUCTURES, AS FIELD CONDITIONS DICTATE. 27. ALL CONTRACTORS MUST CARRY STATUTORY WORKERS COMPENSATION, EMPLOYERS LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMENCIAL GENERAL LABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO MAJE DYNAMIC CONSULTANTS, P.C. ITS SUBCONSULTANTS AS ADDITIONAL INSURED AND TO PROVIDE CONTRACTOR MUST FURNISH DYNAMIC ENGINEERING. CONSULTANTS, P.C. WITH CENTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLES EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS OF THE CONTRACTORS. WILL, TO THE FULLES EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS OF CONSULTANTS, P.C. AND ITS SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEYS FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS.

CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JUBSILE SAFELY. DYNAMIC ENGINEERING CONSULTANTS, P.C. STALL BE INDUMINATE, P.C. STALL BE INDUMINATE, P.C. STALL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN IN THE CONSTRUCTION MEANS OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DYNAMIC ENGINEERING'S REVIEW SHALL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUIRE FOR EXPONSIBLE FOR ANY DEVARITIONS FOR THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE ATTENTION OF DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL NOT BE RESPONSIBLE FOR ANY DEVARITIONS FOR WHICH STATE ATTENTION OF DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.

30. IN AN EFFORT TO RESOLVE ANY CONFILICITS THAT ARISE DURING THE DESIGN AND CONSTRUCTION OF THE PROJECT OR FOLLOWING THE CONTRACTOR MUST AGREE THAT ALL DISPUTES BETWEEN THEM ARISING OUT OF OR RELATING TO THIS ENGINEERING PROJECT ON THE PROJECT SHALL BE SUBMITED TO NORMALING MUSTES. THE PARTIES MUTUALLY AGREE OTHERWISE.

31. THE CONTRACTOR MUST INCLUDE A MEDIATION PROVISION IN ALL ACREPMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS RETAINED FOR THE PROJECT AND TO INCLUDE A SIMILAR MEDIATION. 31. THE CONTRACTOR MUST INCLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS ALSO TO INCLUDE A SIMILAR MEDIATION PROVISION IN ALL AGREEMENTS WITH THEIR SUBCONTRACTORS, SUBCONSULTANTS, SUPPLIERS AND FABRICATORS, THEREBY PROVIDING FOR MEDIATION AS THE PRIMARY METHOD FOR DISPUTE RESOLUTION BETWEEN THE PARTIES TO ALL THOSE AGREEMENTS. ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES AND EPICLIFICATIONS, INCLUDING THE NOTES CONTAINED THEREOF PROVIDING FOR MEDIATION AS THE PRIMARY METHOU FOR DISPUTE RESOLUTION BETWEEN THE PASS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREOF AND ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND IT SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CONNECT ANY SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.

33. ALL TRAFFIC SIGNS AND STRIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.

34. THE BUILDING SETBACK DIMENSIONS ILLUSTRATED AND USTED ON THE SITE PLAN DRAWINGS ARE MEASURED FROM THE OUTSIDE SURFACE OF BUILDING WALLS. THESE SETBACK DIMENSIONS DO NOT ACCOUNT FOR ROOF OVERHANGS, ORNAMENTAL ELEMENTS, SIGNAGE OR OTHER EXTERIOR EXT

35. CONTRACTOR ACKNOWLEDGES HE HAS READ AND UNDERSTOOD THE DESIGN PHASE SOIL PERMEABILITY AND GROUNDWATER TEST RESULTS IN THE STORMWATER MANAGEMENT REPORT AND THAT THE CONTRACTORS RESPONSIBILITIES INCLUDE NECESSARY PROVISIONS TO ACHIEVE THE DESIGN PERMEABILITY IN THE FIELD. 36. CONTRACTOR TO BE ADVISED THAT THE ENGINEER WAS NOT PROVIDED WITH FINAL FLOOR PLAN DRAWINGS FOR THE BUILDING AT THE TIME OF SITE PLAN DESIGN. AS A RESULT, ENTRANCE DOOR LOCATIONS AS DEPICTED HEREON MAY NOT BE FINAL AND MUST BE CONFIRMED WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. THE HANDICAP ACCESSIBLE PARKING SPACES AND THE ASSOCIATED RAMPS AND ACCESSIBLE ROUTE MUST COMPLY WITH NUAC 5:23-7 AND THE HANDICAP PARKING SPACES MUST BE LOCATED AS THE NEAREST SPACES TO THE ENTRANCE. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

SIGNAGE TABLE

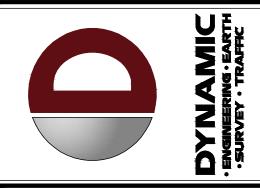
SIGN	DE.	QUIREMENTS	Proposed
Sidit	INE	QUINLIMIENTS	Malvern School
	NUMBER OF SIGNS: [1]	ONE (1)	ONE (1)
FDEECTANDING.	MAXIMUM SIGN AREA: [2]	75 SF	23 SF
FREESTANDING	MAXIMUM SIGN HEIGHT: [2]	8 FT	6 FT
	MINIMUM SIGN SETBACK: [2]	10 FT	10 FT
BUILDING MOUNTED	NUMBER OF FACADE SIGNS: [3] [4]	TWO (2)	ONE (1)
	MAXIMUM FACADE SIGN AREA: [3]	37.5 SF	24.94 SF
	MAXIMUM SIGN HEIGHT:	N/S	13.2 FT
	MINIMUM CLEARANCE:	N/S	11.4 FT
	MAYIMIM DDO ITOTION.	C IN	7 111

[1] EACH PRINCIPAL BUILDING NOT PART OF A SHOPPING CENTER MAY HAVE ONE (1) FREESTANDING SIGN PLUS EACH PRINCIPAL PERMITTED USE IN SAID BUILDING(S) MAY HAVE ONE (1) ATTACHED. (§ 16-4.12.i.1.) 2 ANY FREESTANDING SIGN SHALL NOT EXCEED 75 SQUARE FEET IN AREA OR 5% OF THE FRONT FACADE OF THE PRINCIPAL BUILDING, WHICHEVER IS LESS, AND SHALL NOT EXCEED EIGHT (8) FEET IN HEIGHT. FREESTANDING SIGNS EQUAL TO OR LESS THAN THIRTY-FIVE (35) SQUARE FEET IN AREA SHALL BE SET BACK AT LEAST TEN (10) FEET FROM ANY STREET RIGHT-OF-WAY LINE. FREESTANDING SIGNS GREATER THAN THIRTY-FIVE (35) SQUARE FEET BUT LESS THAN FIFTY-FIVE (55) SQUARE FEET IN AREA SHALL BE SET BACK AT LEAST FIFTEEN (15) FEET FROM ANY STREET RIGHT-OF-WAY LINE, AND FREESTANDING SIGNS GREATER THAN FIFTY-FIVE (55) SQUARE FEET IN AREA SHALL BE SET BACK AT LEAST TWENTY (20) FEET FROM ANY STREET RIGHT-OF-WAY LINE. ALL FREESTANDING SIGNS SHALL BE SET BACK AT LEAST TWENTY-FIVE (25) FEET FROM ANY OTHER PROPERTY LINE. (§ 16-4.12.i.1.(a)) [3] EACH PRINCIPAL FIRST FLOOR USE IN A BUILDING WITH DIRECT ACCESS FROM THE OUTSIDE SHALL BE PERMITTED A SIGN ATTACHED FLAT AGAINST THE BUILDING. THE SIZE OF EACH SUCH ATTACHED SIGN SHALL NOT EXCEED

[4] FOR CORNER LOTS, ONE (1) ADDITIONAL ATTACHED SIGN IS PERMITTED FOR A PRINCIPAL USE WITHIN THE BUILDING WHICH FACES THE ADDITIONAL STREET, PROVIDED THAT THE SIGN SHALL NOT EXCEED ONE-HALF (1/2) SQUARE FOOT OF SIGN AREA PER ONE (1) LINEAR FOOT OF BUILDING FACADE FRONTING ON SAID STREET, BUT IN NO CASE SHALL THE SIZE OF THE SIGN EXCEED TWENTY (20) SQUARE FEET IN AREA (§ 16-4.12.i.1.(c)) [3] ATTACHED SIGNS SHALL BE FIRMLY ATTACHED TO THE EXTERIOR WALL OF A BUILDING, SHALL PROJECT NOT MORE THAN (6) SIX INCHES FROM THE BUILDING AND SHALL BE POSITIONED IN THE ARCHITECTURAL SIGN BAND ON THE BUILDING FACADE, IF PROVIDED. NO ATTACHED SIGN SHALL BE LOCATED ON A ROOF, DORMER OR SECOND STORY WALL AREA OR WINDOW. (§ 16-5.13.d.1.)

[4] NO MORE THAN TWENTY-FIVE PERCENT (25%) OF THE SIGN AREA OF ANY PERMITTED SIGN SHALL INCLUDE A LOGO, SYMBOL, DESIGN, AND/OR PICTURE; THE REMAINDER OF THE SIGN AREA SHALL CONTAIN WORDS, NUMBERS AND/OR BACKGROUND AREA ONLY. (§ 16-5.13.d.11.) [5] IF A SIGN IS TO BE INTERNALLY ILLUMINATED, AT LEAST SEVENTY-FIVE PERCENT (75%) OF THE BACKGROUND AROUND THE LETTERS AND ANY LOGO ON THE SIGN SHALL BE OPAQUE AND SHALL NOT BE ILLUMINATED. DARK, OPAQUE BACKGROUNDS WITH LIGHT COLORED LETTERING OR SYMBOLS THAT ARE BACKLIT ARE PREFERRED TO MINIMIZE DETRIMENTAL EFFECTS. (§ 16-5.13 d.6.(a))

[6] LIGHT EMISSION FROM ANY SIGN LIGHTING SHALL NOT EXCEED ONE (1) FOOT CANDLE AT A DISTANCE OF TWO (2) FEET FROM THE SIGN SURFACE. (§ 16-5.13 d.6.(c)) THE AREA OF A SIGN SHALL BE MEASURED AROUND THE EDGES OF A FRAMED OR ENCLOSED SIGN OR. WHERE THE SIGN HAS NO FRAME OR ENCLOSURE, BY THE AREA UTILIZED BY ISOLATED WORDS AND/OR SYMBOLS, INCLUDING THE BACKGROUND WHETHER OPEN OR ENCLOSED, AS FRAMED BY A TIGHT RECTANGLE AROUND ALL OF THE LETTERS AND GRAPHICS; IN EITHER CASE, THE AREA OF THE SIGN SHALL NOT INCLUDE ANY SUPPORTING FRAMEWORK AND BRACING INCIDENTAL TO THE DISPLAY ITSELF. (§ 16-5.13 D.8.)





ENGINEERING LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL

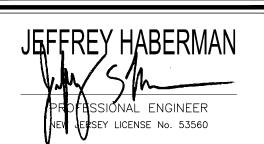
TRAFFIC • SURVEY • PLANNING & ZONING

1904 Main Street, Lake Como, NJ 07719

T: 732.974.0198 | F: 732.974.3521 Offices conveniently located at:

Chester, New Jersey • T: 908.879.9229 Newark, New Jersey • T: 973.755.7200 Toms River, New Jersey • T: 732.678.0000 Newtown, Pennsylvania • T: 267.685,0276 Philadelphia, Pennsylvania • T: 215.253.4888 Allen, Texas • T: 972.534.2100 Houston, Texas • T: 281.789.6400 Austin, Jexas • T: 512.646.2646 Delray Beach, Florida • T: 561.921.8570

www.dynamicec.com

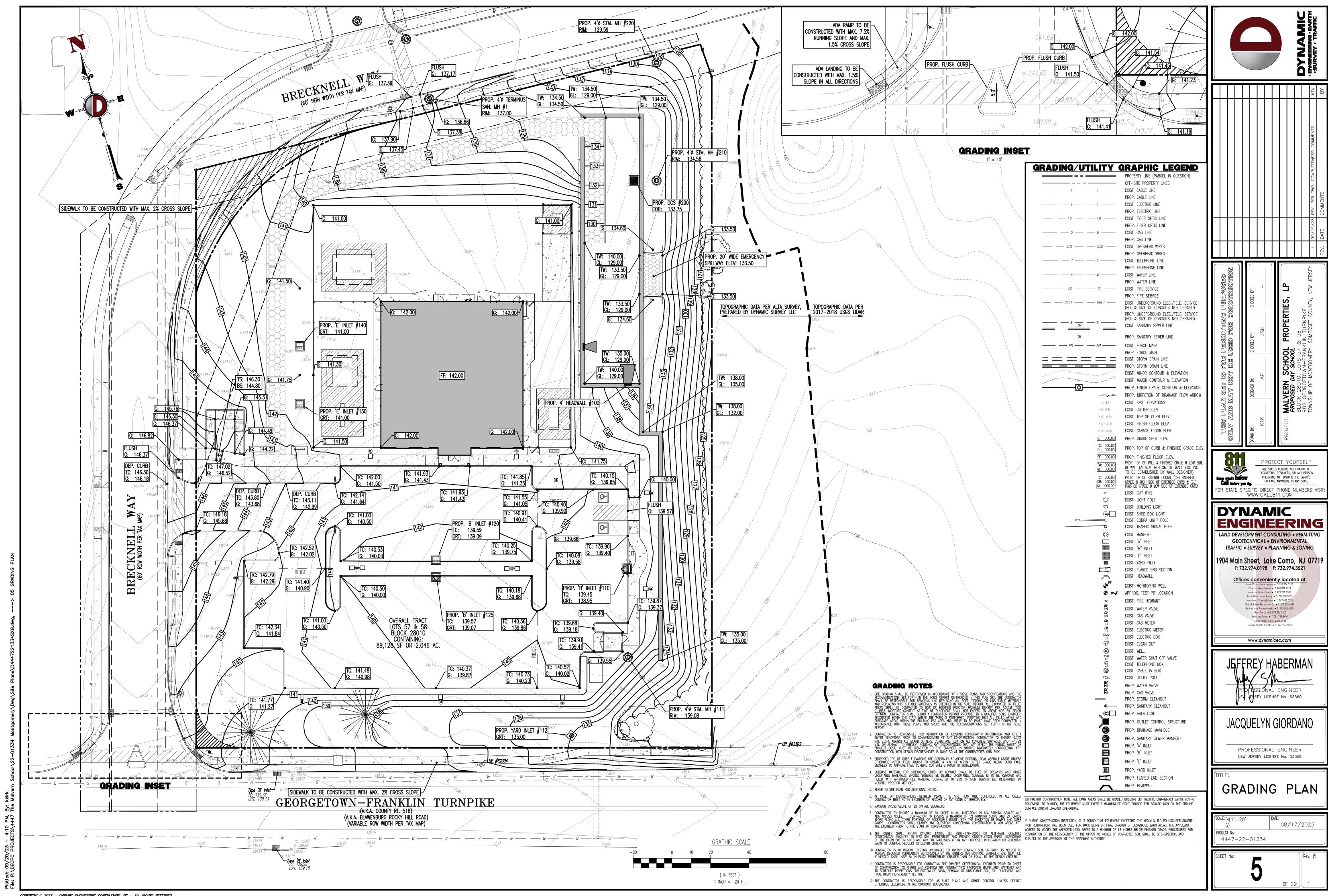


JACQUELYN GIORDANO

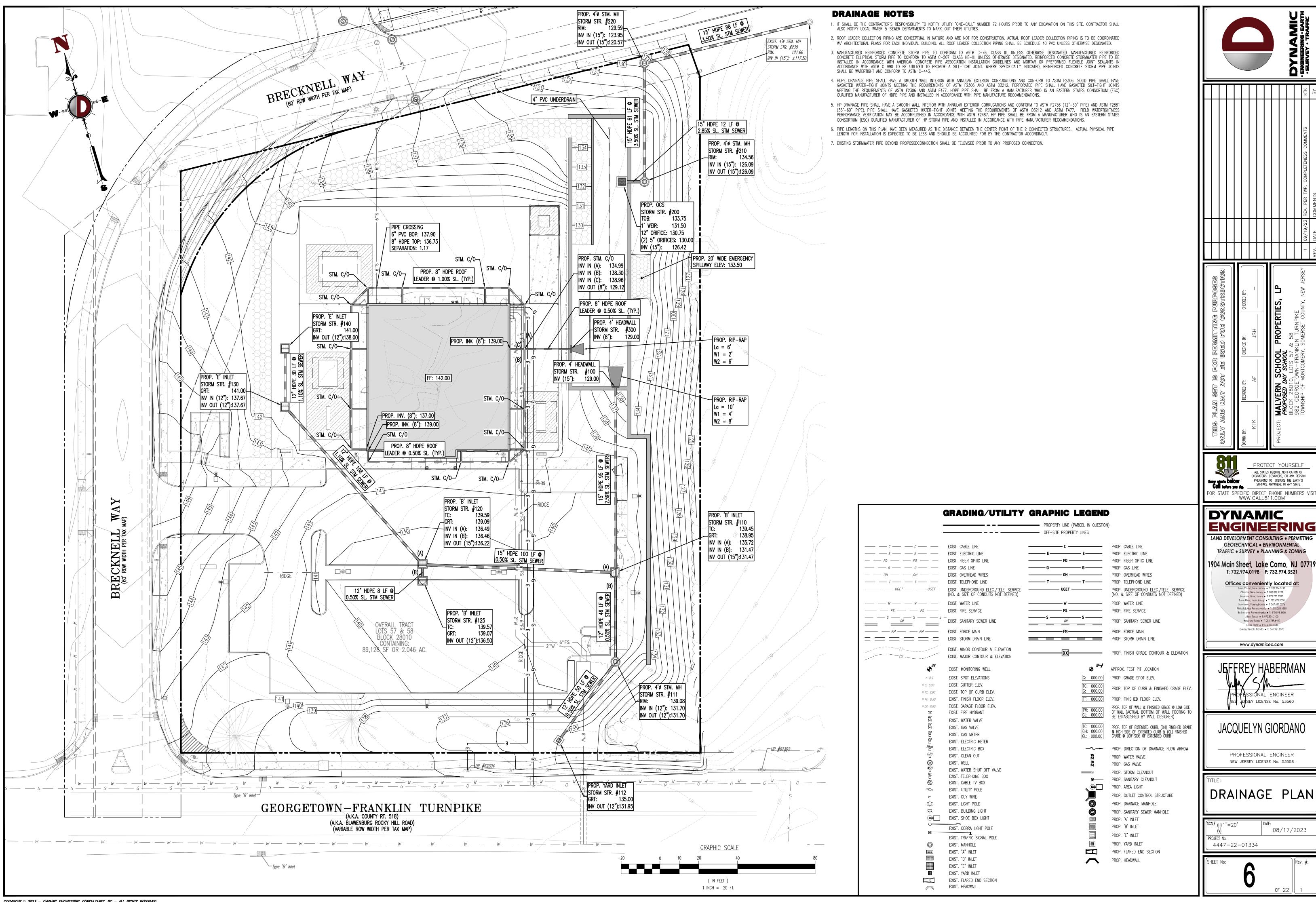
PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 53558

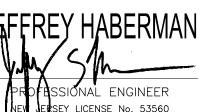
SITE PLAN

08/17/2023 PROJECT No: 4447-22-01334



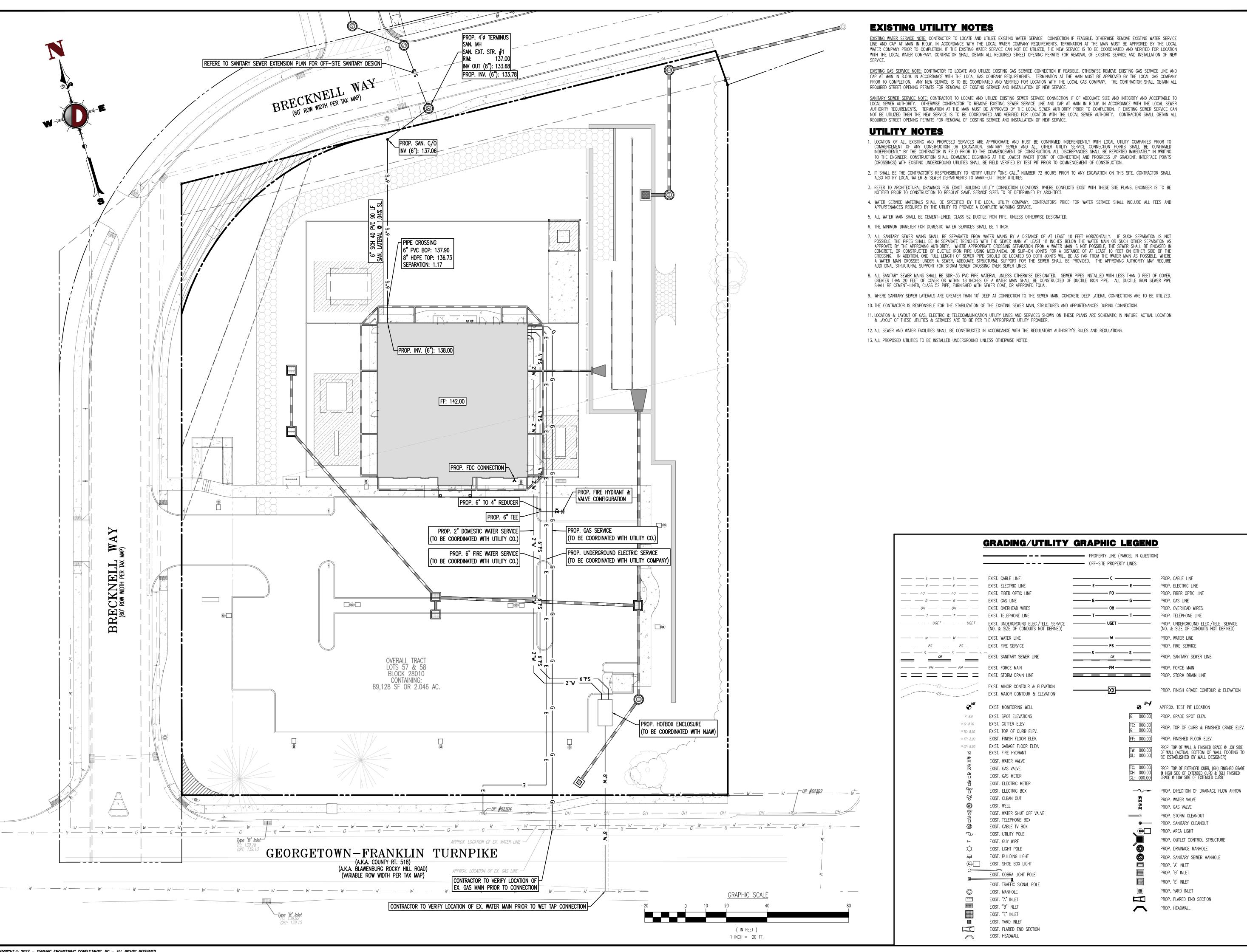
COPYRIGHT © 2023 - DYNAMIC ENGINEERING CONSULTANTS, PC - ALL RIGHTS RESERVED

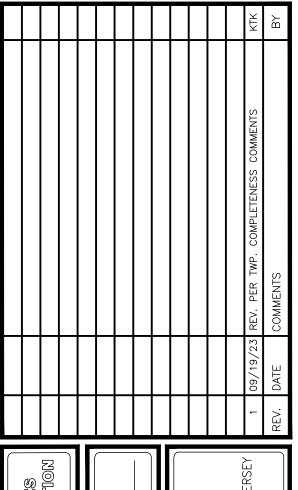




DRAINAGE PLAN

08/17/2023





Know what's DOIOW Call before you do. _ SURFACE ANYWHERE IN ANY STATE FOR STATE SPECIFIC DIRECT PHONE NUMBERS VI WWW.CALL811.COM **DYNAMIC**

ENGINEERING LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING

1904 Main Street, Lake Como, NJ 07719

ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON

PREPARING TO DISTURB THE EARTH'S

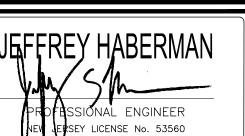
T: 732.974.0198 | F: 732.974.3521

Offices conveniently located at: Lake Como, New Jersey • T: 732.974.0198 Chester, New Jersey • T: 908.879.9229 Toms River, New Jersey • T: 732.678.0000 Philadelphia, Pennsylvania • T: 215.253.4888 Bethlehem, Pennsylvania • T: 610.598.4400

Allen, Texas • T: 972.534.2100

Austin, Jexas • T: 512.646.2646 Delray Beach, Florida • T: 561.921.8570

www.dynamicec.com



JACQUELYN GIORDANC

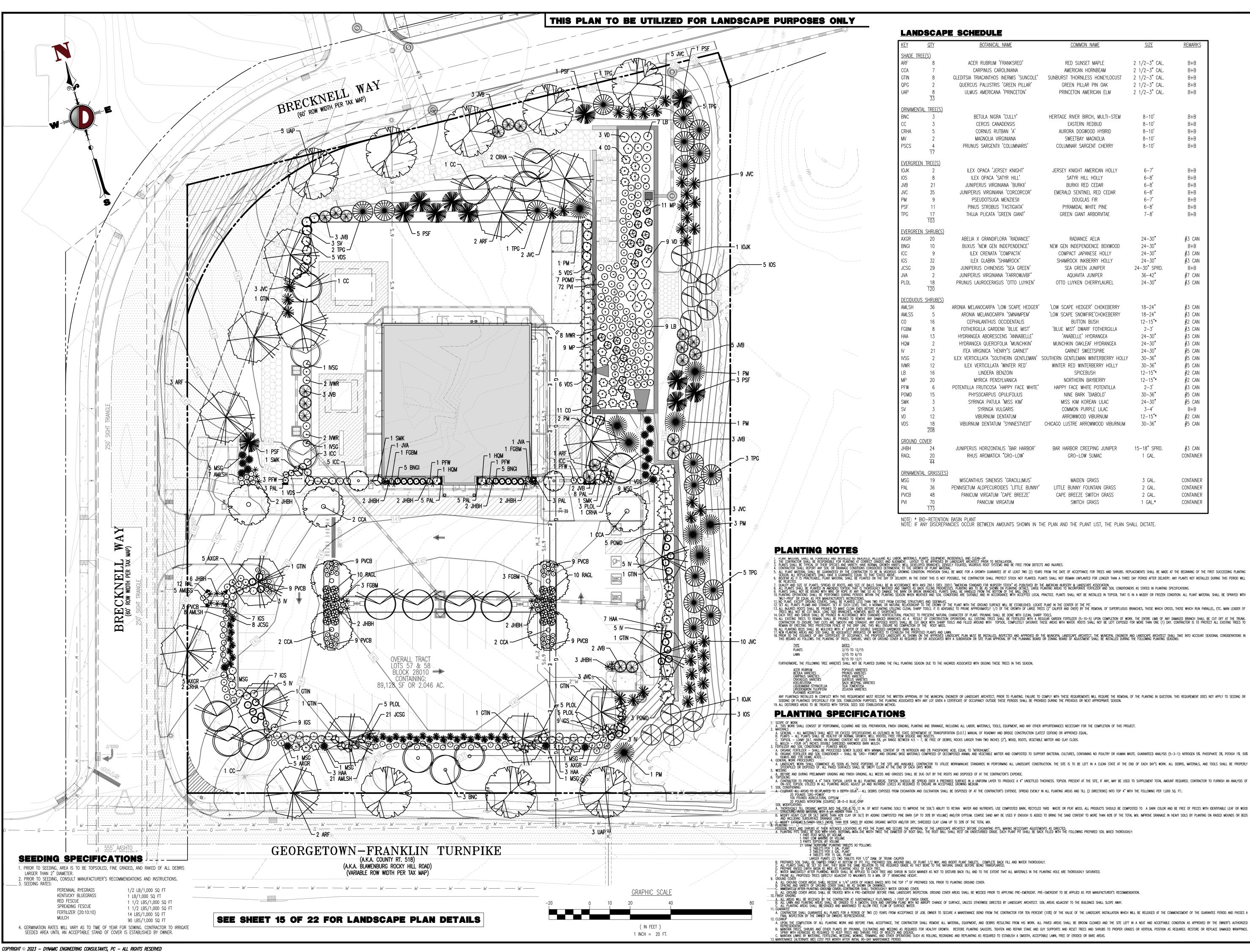
PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 53558

UTILITY PLAN

	SCALE: (H) 1"=20' (V)	DAIL: 08/17/2023
	PROJECT No: 4447-22-01334	
	4447-22-01334	

0F 22



 $2 \frac{1}{2} - 3$ CAL. $2 \frac{1}{2} - 3$ CAL.

2 1/2-3" CAL.

2 1/2-3" CAL.

2 1/2-3" CAL.

8-10'

8-10'

8-10'

8-10'

8-10'

6-8'

6-8'

6-8'

6-8'

7-8'

24-30"

24-30**"**

24-30"

24-30"

24-30" SPRD.

36-42"

24-30**"**

18-24"

12-15"*

2-3'

24-30"

24-30**"**

24-30**"**

30-36"

30-36"

12-15"*

12-15"*

2-3' 30-36"

24-30**"**

3-4' 12-15"*

15-18" SPRD.

1 GAL.

3 GAL.

2 GAL.

1 GAL.*

B+B

B+B

B+B

B+B

#3 CAN

#3 CAN

B+B

#7 CAN

#3 CAN

#3 CAN

#2 CAN

#3 CAN

#3 CAN

#3 CAN

#5 CAN

#5 CAN

#2 CAN

#2 CAN

#3 CAN

#5 CAN

#5 CAN

#2 CAN

CONTAINER

CONTAINER

CONTAINER **CONTAINER**

CONTAINER

220				
ì				
SEY	1	09/19/23	REV. PER TWP. COMPLETENESS COMMENTS	KTK
	REV.	DATE	COMMENTS	ВҮ

PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE WWW.CALL811.COM DYNAMIC

EXCAVATORS, DESIGNERS, OR ANY PERSON

ENGINEERING

8

LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING

1904 Main Street, Lake Como, NJ 07719

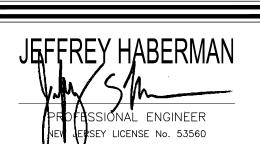
T: 732.974.0198 | F: 732.974.3521

Offices conveniently located at:

Lake Como, New Jersey • T: 732.974.0198 Chester, New Jersey • T: 908.879.9229 Toms River, New Jersey • T: 732.678.0000 Philadelphia, Pennsylvania • T: 215.253.4888 Bethlehem, Pennsylvania • T: 610.598.4400

Austin, Jexas • T: 512.646.2646

Delray Beach, Florida • T: 561.921.8570



JACQUELYN GIORDANC

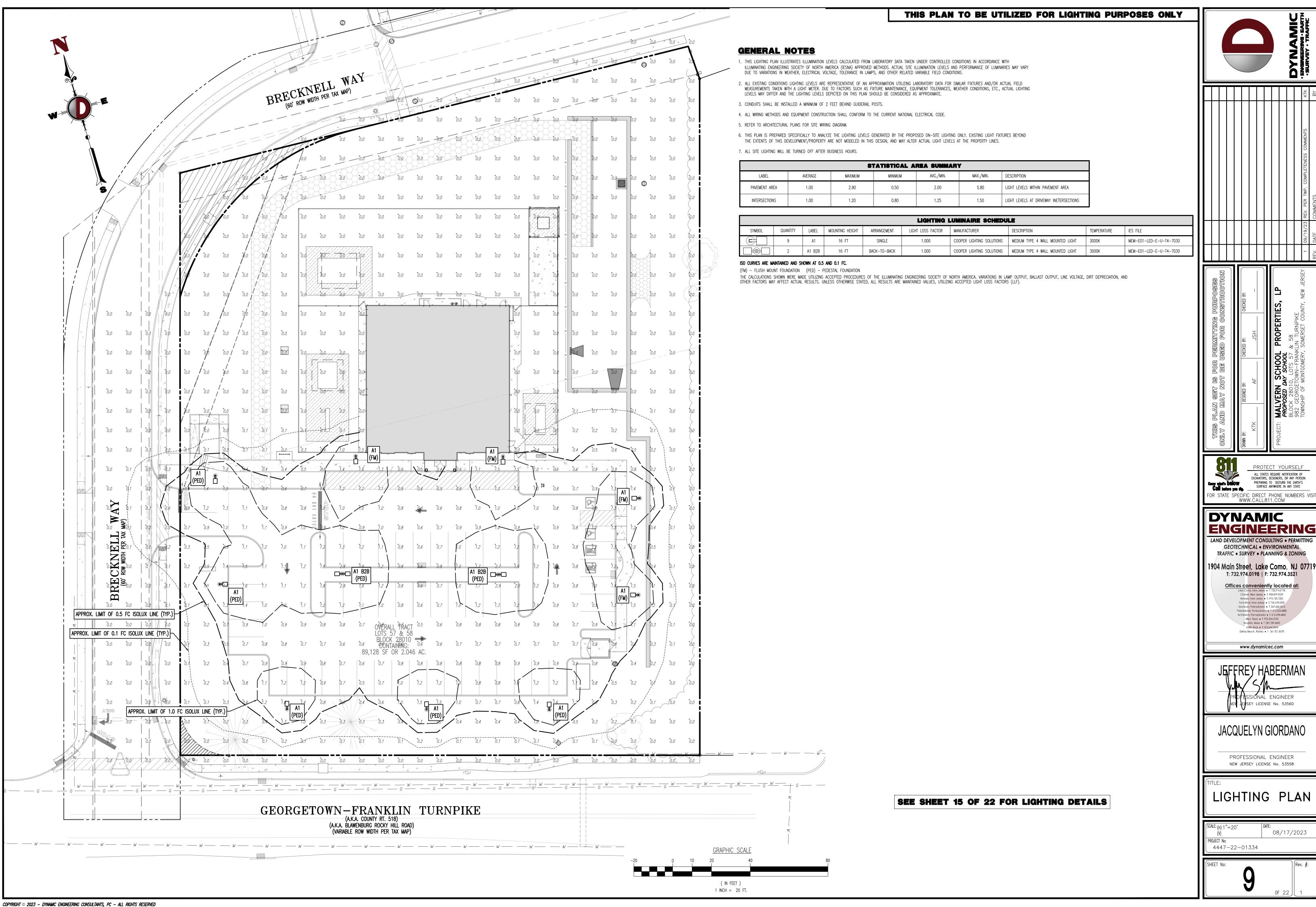
PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 53558 LANDSCAPE

PLAN

$(V)_{1}^{SCALE}$	08/17/2023
PROJECT No:	
4447-22-01334	

OF 22



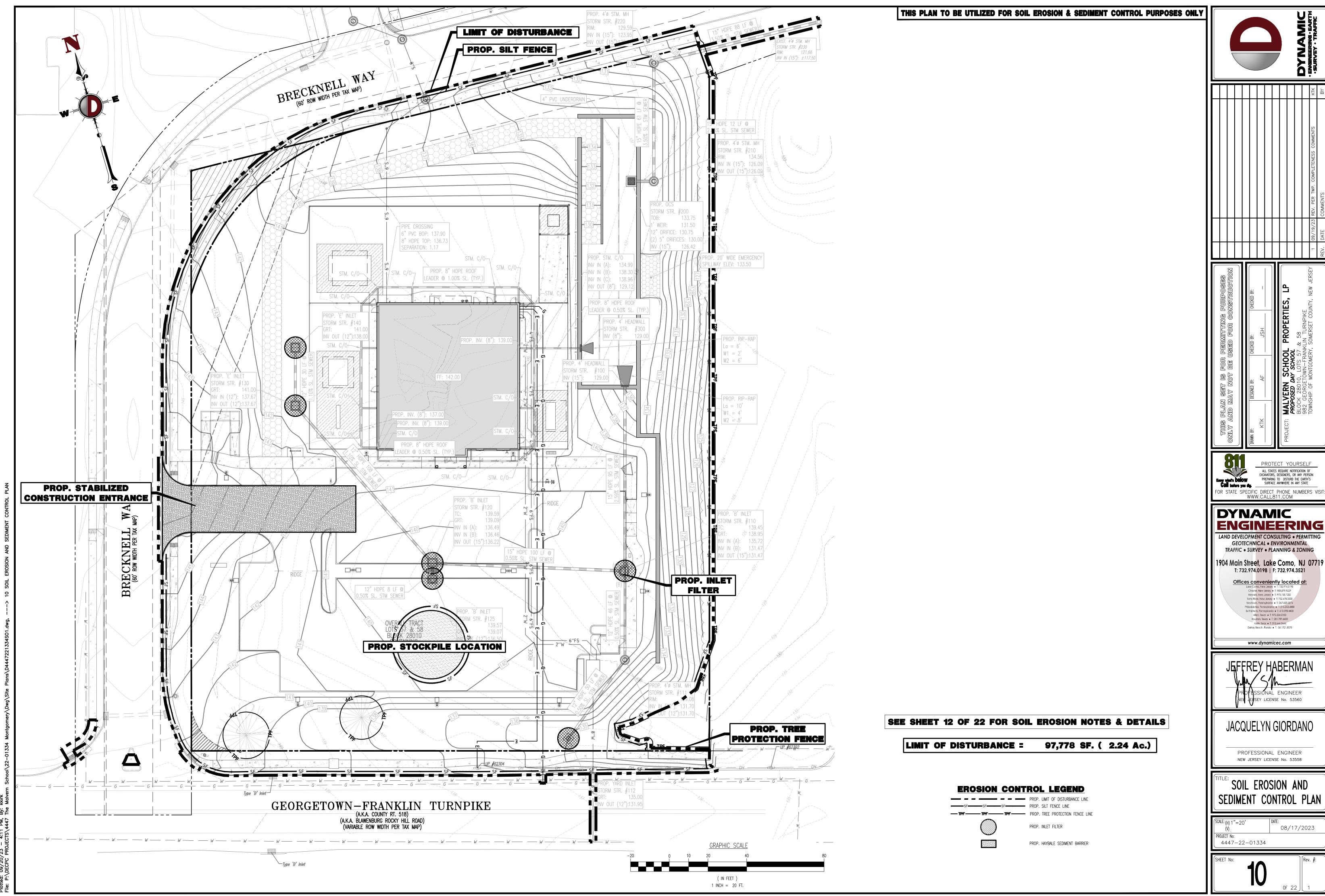
LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING

1904 Main Street, Lake Como, NJ 07719 T: 732.974.0198 | F: 732.974.3521

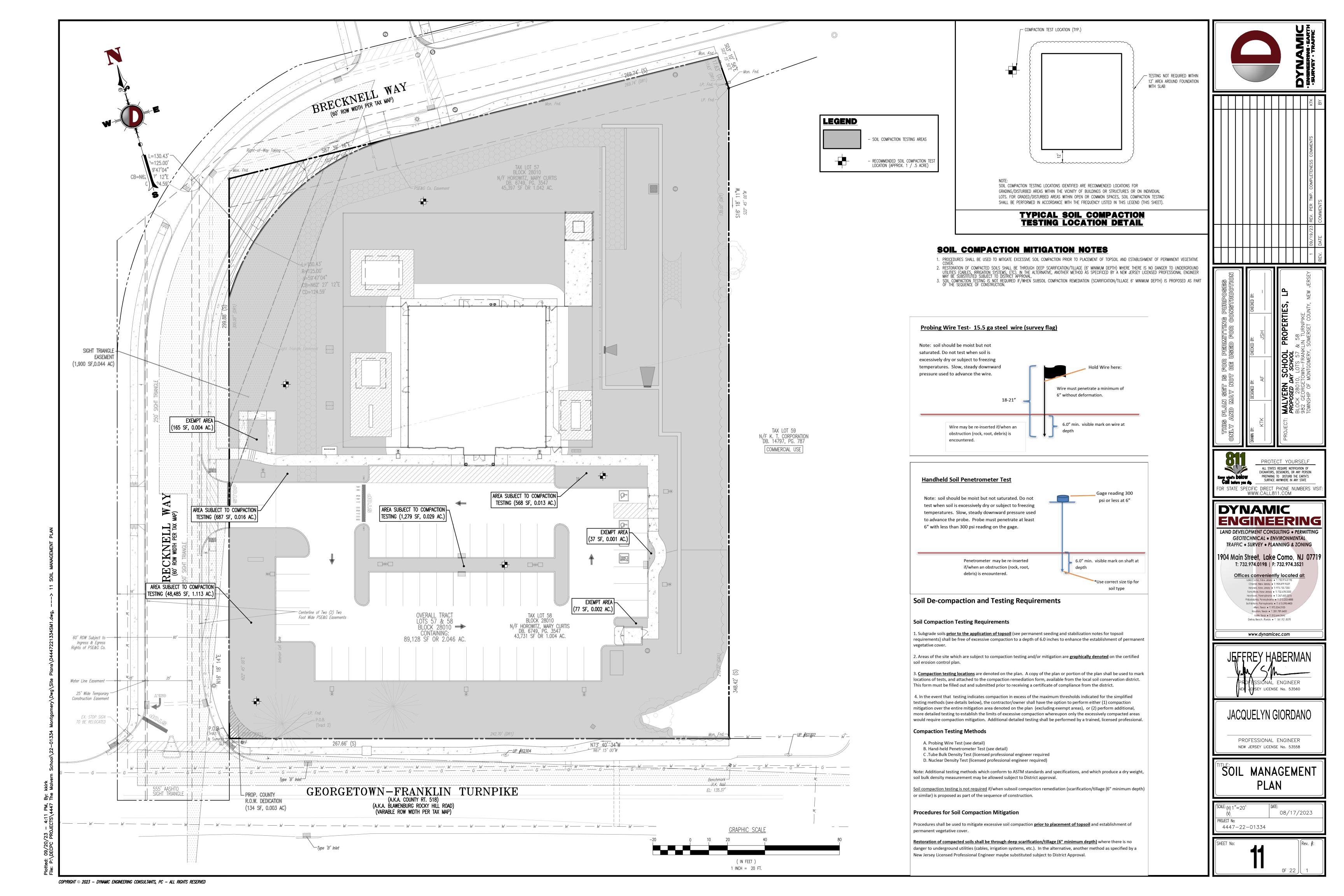
JACQUELYN GIORDANO

LIGHTING PLAN

08/17/2023



COPYRIGHT © 2023 — DYNAMIC ENGINEERING CONSULTANTS, PC — ALL RIGHTS RESERVED



- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO NJ STATE STANDARDS.
- PERMANENT VEGETATION SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE USED FOR PROTECTION UNTIL SEEDING IS ESTABLISHED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NJ STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, 7TH FDITION LAST REVISED JANUARY 2014
- A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE

 MULCHES SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15

 VEGETATIVE COVER, PERMANENT VEGETATIVE COVER, AND PERMANENT STABILIZATION
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING ALL CRITICAL AREAS SUBJECT TO EROSION (I.E.: STEEP SLOPES, ROADWAY SPRAY-ON ADHESIVES ON MINERAL SOILS (NO EFFECTIVE ON MOCK SOILS). KEEP TRAFFIC OFF THESE AREAS. EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE. ACCORDING TO THE NJ STATE STANDARDS.
- ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E.: SLOPES GREATER THAT 3:1) TRAFFIC CONTROL STANDARDS REQUIRE THE INSTALLATION OF A 50'X30'X6'PAD OF 1 $\frac{1}{2}$ " OR 2" STONE, AT ALL CONSTRUCTION DRIVEWAYS IMMEDIATELY AFTER INITIAL SITE DISTURBANCE
- THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING 48 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT AND SPRING TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT. OF THE SOIL WILL NOT PROVIDESUITABLE CONDITIONS. NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET. APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES.
- FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES, ALL SITE WORK FOR SITE PLANS AND ALL CONTROL AIR CURRENTS AND SOIL BLOWING. WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS, WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND

 USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS. SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT NJ STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
- THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP. MULCHING TO THE NJ STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONALS ARE ONLY ISSUED WHEN STANDARD FOR TEMPORARY VEGETATIVE THE SEASON PROHIBITS SEEDING. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF CONSTRUCTION PROJECT.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION AT THE REQUEST OF THE SOMERSET-UNION SOIL CONSERVATION DISTRICT. HYDRO SEEDING IS A TWO- STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROMOTE CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF SEEDING OPERATION, HYDRO-MULCH SHOULD BE APPLIED AT A RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE NJ STANDARDS.

STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

- A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING, ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING. B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE . TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO
- A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

SEEDBED PREPARATION

- A. UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST 3. SEEDING RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS

 A. TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTHS COOPERATIVE EXTENSION OFFICES (HTTP://NJAES.RUTGERS.EDU/COUNTY/) FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4
- INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY ONE—HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING. . WORK LIME AND FERTILIZER INTO THE TOPSOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING-TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED. . HIGH ACID PRODUCING SOIL. SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE BEFORE INITIATING SEEDBED REPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH

A. PERMANENT VEGETATIVE MIXTURES & PLANTING RATES

ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

GENERAL LAWN AREAS (SCD MIX 13 FROM TABLE 4)

(1) HARD FESCUE AND/OR CHEWING FESCUE AND/OR

STRONG CREEPING RED FESCUE - 175 LBS/ACRE PERENNIAL RYEGRASS -45 LBS/ACRE 1 LBS/1000 SQ.F KENTUCKY BLUEGRASS (BLEND) – 45 LBS/ACRE 1 LBS/1000 SQ.FT

BASIN AREAS (SCD MIX 9 FROM TABLE 4) (1) DEER TONGUE -

WILD RYE (ELYMUS) -15 LBS/ACRE 0.35 LBS/1000 SQ.FT SWITCHGRASS -25 LBS/ACRE 0.60 LBS/1000 SQ.FT

CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 4 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 NCH DEEPER ON COARSE-TEXTURED SOIL. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY

IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET ERÓSION WILL BE MINIMIZED AND NATER CONSERVATION ON SITE WILL BE MAXIMIZED. . HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORTFIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING BELOW). HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. WHEN POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS

A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1.5 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH—BINDER (TACKIFYING OR ADHESIVE AGENT) THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER—BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 85% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.

ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF IHE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND . PEG AND TWINE

2. MULCH NETTINGS . CRIMPER MULCH ANCHORING COULTER TOOL

LIQUID MULCH-BINDERS

B. WOOD-FIBER OR PAPER-FIBER MULCH - SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION SEQUENCE OF CONSTRUCTION: INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DÚRING OPTIMUM PHASE 1: INSTALL STONE ANTI-TRACKING PAD AND OTHER SOIL EROSION SEEDING PERIODS IN SPRING AND FALL.

PELLETIZED MULCH - COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FENCING.
FERTILIZERS, AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA AND WATERED, FORM A MULCH MAT. PELLETIZED

PHASE 2: CLEAR AND ROUGH GRADE FOR NEW BUILDING SITE AND OTHER MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS/1,000 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS, SEEDED AREAS WHERE WEEDSEED FREE MULCH IS DESIRED, OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE. APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER

PHASE 3: EXCAVATION, CONSTRUCTION, AND STABILIZATION OF DETENTION BASIN(S), EXCAVATE AND INSTALL UNDERGROUND PIPING AND DRAINAGE STRUCTURES. SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO

STANDARD FOR STABILIZATION WITH MULCH ONLY

- A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING. B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.
- A. UNROTTED SMALL-GRAIN STRAW, AT 2.0 TO 2.5 TONS PER ACRE, IS SPREAD UNIFORMLY AT 90 TO 115 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. THE APPROVED RATES ABOVE HAVE BEEN MET WHEN THE MULCH COVERS THE GROUND COMPLETELY UPON VISUAL INSPECTION, I.E. THE SOIL CANNOT BE SEEN BELOW THE MULCH.
- B. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE
- . WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE (OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS) D. MULCH NETTING, SUCH AS PAPER JUTE, EXCELSIOR, COTTON, OR PLASTIC, MAY BE USED. WOODCHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED. WOODCHIPS WILL NOT BE USED ON AREAS WHERE
- FLOWING WATER COULD WASH THEM INTO AN INLET AND PLUG IT. F. GRAVEL, CRUSHED STONE, OR SLAG AT THE RATE OF 9 CUBIC YARDS PER 1,000 SQ. FT. APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 3 INCHES MAY BE USED. SIZE 2 OR 3 (ASTM C-33) IS RECOMMENDED.
- MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT OF HAY OR STRAW MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA AND STEEPNESS OF SLOPES. A. PEG AND TWINE
- B. MULCH NETTINGS . CRIMPER MULCH ANCHORING COULTER TOOL

. LIQUID MULCH-BINDERS

STANDARD FOR DUST CONTROL

THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.

TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-AND OFF- SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY

THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:

	WATER DILLUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
ANIONIC ASPHALT	7:1	COARSE SPRAY	1,200
EMULSION			
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
TILLAGE - TO ROUGHEN SURFACE A	ND BRING CLODS TO THE SURFACE	THIS IS A TEMPORARY EMERGENCY M	FASURE WHICH SHOULD BE

IN THAT NJSA 4:24-39 ET SEQ., REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN

BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO

CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN

STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

COVER FOR SOIL STABILIZATION

 SITE PREPARATION APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING, PG. 19-. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION

MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42. C. IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).

A. APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE. CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM AND MAGNESIUM TO GRASSES AND LEGUMES. B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED. C. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILED IN ACCORDANCE WITH THE D. SOILS HIGH IN SULFIDES OR HAVING A PH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, PG. 1-1.

- COOL SEASON GRASSES: (1) PERENNIAL RYEGRASS - 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF (2) SPRING OATS - 86 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 1.0 3) WINTER BARLEY — 96 LBS / ACRE; PLANT BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 1.0 INCHES.
- (4) ANNUAL RYEGRASS 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND JUNE 15 BETWEEN AUGUST 1 AND SEPTEMBER 15; AT A DEPTH OF 0.5 INCHES (5) WINTER CEREAL RYE - 112 LBS / ACRE; PLANT BETWEEN AUGUST 1 AND NOVEMBER 15; AT A DEPTH OF 1.0 INCHES.

(1) PEARL MILLET - 20 LBS / ACRE; PLANT BETWEEN MAY 15 AND AUGUST 15; AT A DEPTH OF 1.0 INCHES

- (2) MILLET (GERMAN OR HUNGARIAN) 30 LBS / ACRE: PLANT BETWEEN MAY 15 AND AUGUST 15: AT A DEPTH OF 1.0 INCHES. B. CONVENTIONAL SEEDING. APPLY SEED UNIFORMLY BY HAND. CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER, EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL, TO A DEPTH OF 1/4 TO 1/2
- INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE TEXTURED SOIL. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED. WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT B INCLUDED IN THE TANK WITH SEED. SHORT FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION IV MULCHING) HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. POOR SEED TO SOIL CONTACT OCCURS REDUCING SEED GERMINATION AND GROWTH. HYDROSEEDING MAY BE USED FOR AREAS TOO STEEP FOR CONVENTIONAL EQUIPMENT TO TRAVERSE OR TOO OBSTRUCTED WITH ROCKS, STUMPS, ETC.). AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED—TO—SOIL CONTACT, RESTORE CAPILLARITY, SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS

A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MÜLCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO

ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COST. 2. MULCH NETTINGS

3. CRIMPER MULCH ANCHORING COULTER TOOL 4. LIQUID MULCH-BINDERS

B. WOOD-FIBER OR PAPER-FIBER MULCH. SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PROJECT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. THIS MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

C. PELLETIZED MULCH. COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS FERTILIZERS AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA AND WATERED, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS./1,000 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS, SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE.

APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE.

- AND SEDIMENT CONTROL MEASURES INCLUDING DOWN SLOPE PERIMETER HAYBALES, SILT FENCING AND TREE PROTECTION
- STRUCTURES REQUIRING EXCAVATION.
- DRAINAGE STRUCTURES. PHASE 4: EXCAVATE FOR BUILDING FOUNDATION.
- PHASE 5: COMPLETE BUILDING CONSTRUCTION. PHASE 6: EXCAVATE AND INSTALL ON-SITE IMPROVEMENTS INCLUDING CURBING, UNDERGROUND PIPING, AND DRAINAGE STRUCTURES. PHASE 7: FINAL GRADING ON SITE
- PHASE 8: INSTALL PAVING, CONCRETE, AND FINAL VEGETATION INCLUDING SEEDING AND LANDSCAPING. PHASE 9: REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING DOWN SLOPE PERIMETER HAYBALES, SILT FENCING AND TREE PROTECTION FENCING.

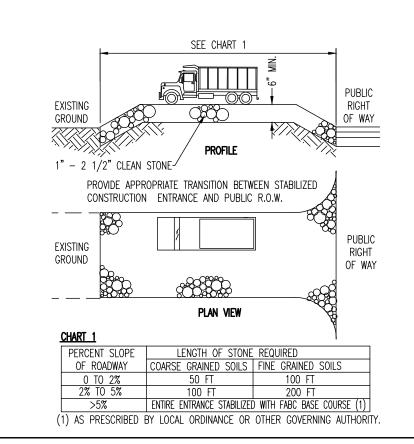
PROTECTED ROOT ZONE (PRZ) — CRITICAL ROOT RADIUS (CRR) - TREE PROTECTION FENCE SHALL BE INSTALLED WITHIN THE LIMIT OF THE PROTECTED ROOT ZONE — 4' WOOD & WIRE SNOW FENCE W/STEEL STAKES 6'-10" O.C. TREE PROTECTION FENCE SHALL BE INSTALLED WITHIN THE LIMIT OF THE PROTECTED ROOT ZONE - AREA WITHIN PROTECTED ROOT ZONE TO REMAIN UNDISTURBED DURING CONSTRUCTION W/STEEL STAKES 6'-10" O.C.

ESTIMATE A TREE'S PROTECTED ROOT ZONE (PRZ) BY CALCULATING THE CRITICAL ROOT RADIUS (CRR) 1. MEASURE THE DBH (DIAMETER OF TREE AT BREAST HEIGHT, 4.5' ABOVE GROUND ON THE UPHILL SIDE OF TREE) IN INCHES. 2. MULTIPLY MEASURED DBH BY 1.5 OR 1.0. EXPRESS THE RESULT IN FEET

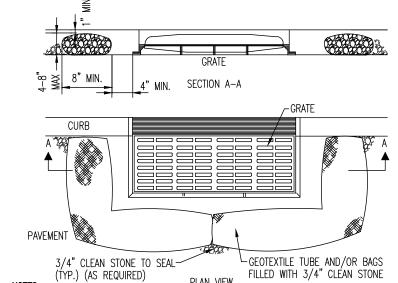
DBH x 1.5: CRITICAL ROOT RADIUS FOR OLDER, UNHEALTHY, OR SENSITIVE SPECIES. DBH x 1.0: CRITICAL ROOT RADIUS FOR YOUNGER, HEALTHY OR TOLERANT SPECIES.

> TREE PROTECTION DURING SITE CONSTRUCTION DETAIL

MUNICIPAL, COUNTY, STATE AND MUA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE



STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE

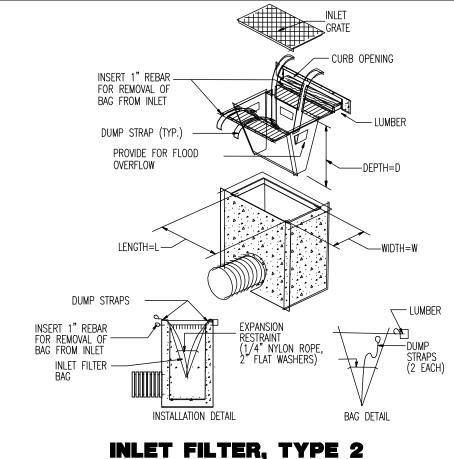


PLAN VIEW 1. GEOTEXTILE TO BE WOVEN POLYPROPYLENE PRODUCT 117F, BY SYNTHETIC INDUSTRIES INC., OR TERRATEX SC, BY WFBTFC INC., OR APPROVED FOUAL. 2. 3/4" CLEAN STONE CORE SHALL BE COMPLETELY CONTAINED WITHIN GEOTEXTILE. SEAMS SHALL BE SEWN OR CLOSED BY SUITABLE MECHANICAL MEANS TO PREVENT LEAKAGE OF STONE.

WHERE NO CURB IS PRESENT, BARRIER SHALL COMPLETELY ENCIRCLE THE DRAIN INLET.

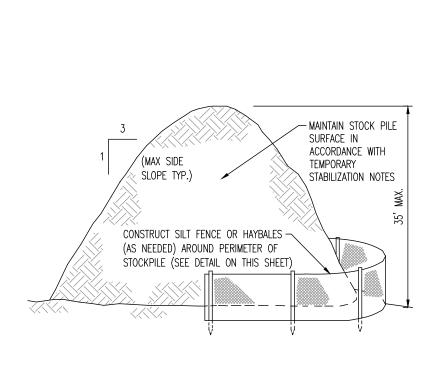
INLET GRATE OPENING IS TO BE KEPT CLEAR OF OBSTRUCTIONS AT ALL TIMES. 5. THE PROTECTION DEVICE WILL BE DESIGNED TO CAPTURE OR FILTER RUNOFF FROM THE 1 YEAR, 24 HOUR STORM OTHER METHODS THAT ACCOMPLISH THE PURPOSE OF STORM SEWER INLET PROTECTION MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT. INSPECTIONS SHALL BE FREQUENT. MAINTENANCE, REPAIR, AND REPLACEMENT SHALL BE MADE PROMPTLY, A NEEDED. THE BARRIER SHALL BE REMOVED WHEN THE ARÉA DRAINING TOWARDS THE INLET HAS BEEN STABILIZED

> INLET FILTER, TYPE 1 NOT FOR USE WITHIN NJDOT RIGHT-OF-WAY



ACCEPTABLE FOR USE WITHIN NJDOT RIGHT-OF-WAY

INLET FILTER COMBINED DETAIL



TEMPORARY STOCKPILE DETAIL

ANCHOR STAKES ~

(AS NEEDED)

1. GEOTEXTILE TO BE WOVEN POLYPROPYLENE PRODUCT 117F, BY SYNTHETIC INDUSTRIES INC., OR TERRATEX SC, BY WEBTEC INC., OR APPROVED EQUAL.

6. THE PROTECTION DEVICE WILL BE DESIGNED TO CAPTURE OR FILTER RUNOFF FROM THE 1 YEAR, 24 HOUR STORM EVENT AND SHALL SAFELY CONVEY

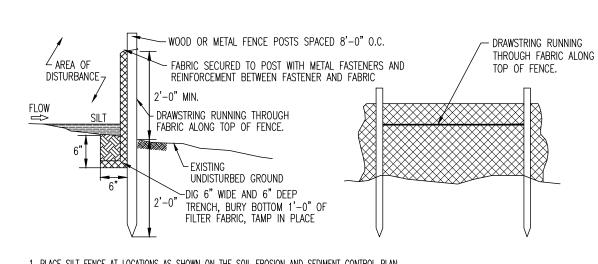
3. ANCHOR STAKES OF WOOD OR METAL SHALL BE INSTALLED WHERE REQUIRED BY FIELD CONDITIONS TO PREVENT MOVEMENT OF BARRIER.

PREVENT LEAKAGE OF STONE.

4. BARRIER SHALL COMPLETELY ENCIRCLE THE DRAIN INLET.

5. GRATE OPENING IS TO BE KEPT CLEAR OF OBSTRUCTIONS AT ALL TIMES.

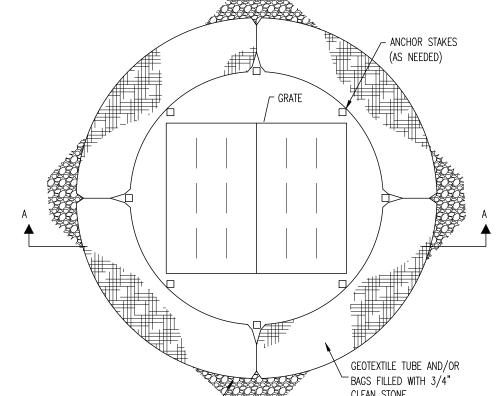
WHEN THE AREA DRAINING TOWARDS THE INLET HAS BEEN STABILIZED.



1. PLACE SILT FENCE AT LOCATIONS AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN. 2. THE SLOPE OF THE LAND FOR AT LEAST 30 FEET ADJACENT TO ANY SILT FENCE SHALL NOT EXCEED 5 PERCENT 3. SILT FENCE SHALL BE INSTALLED SO WATER CANNOT BYPASS THE FENCE AROUND THE SIDES. 4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS POSSIBLE 5. SILT FENCE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE INSTRUCTED BY THE TOWNSHIP ENGINEER OR SOIL 6. THE BARRIER SHALL BE REMOVED WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM 7. FENCE POSTS SHALL BE SPACED 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD A MIN. DIAMETER THICKNESS OF 1 1/2 INCHES. 8. A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO

PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED. 9. A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE GROUND. FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

SILT FENCE DETAIL



<u>Plan view</u>

(AS REQUIRED)

2. 3/4" CLEAN STONE CORE SHALL BE COMPLETELY CONTAINED WITHIN GEOTEXTILE. SEAMS SHALL BE SEWN OR CLOSED BY SUITABLE MECHANICAL MEANS TO

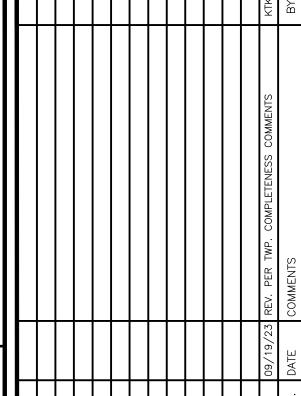
HIGHER FLOWS DIRECTLY INTO THE STORM SEWER SYSTEM. WHERE SLOPE REQUIRES, AN EARTHEN BERM SHALL BE INSTALLED TO DIRECT STORM FLOW 7. OTHER METHODS THAT ACCOMPLISH THE PURPOSE OF STORM SEWER INLET PROTECTION MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT 8. INSPECTIONS SHALL BE FREQUENT. MAINTENANCE, REPAIR, AND REPLACEMENT SHALL BE MADE PROMPTLY, AS NEEDED. THE BARRIER SHALL BE REMOVED

TYPE 'E' AND YARD INLET FILTER DETAIL

CLEAN STONE 3/4" CLEAN STONE TO SEAL (TYP.) -

CALE: (H) NOT TO 08/17/2023 (V) SCALE

COPYRIGHT © 2023 - DYNAMIC ENGINEERING CONSULTANTS, PC - ALL RIGHTS RESERVED



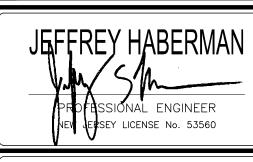
EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE FOR STATE SPECIFIC DIRECT PHONE NUMBERS VI: WWW.CALL811.COM

DYNAMIC **ENGINEERING** LAND DEVELOPMENT CONSULTING • PERMITTING

GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING 1904 Main Street, Lake Como, NJ 07719

T: 732.974.0198 | F: 732.974.3521 Offices conveniently located at: Chester, New Jersey • T: 908.879.922 Toms River, New Jersey • T: 732.678.0000 Philadelphia, Pennsylvania • T: 215.253.4888

Delray Beach, Florida • T: 561.921.8570

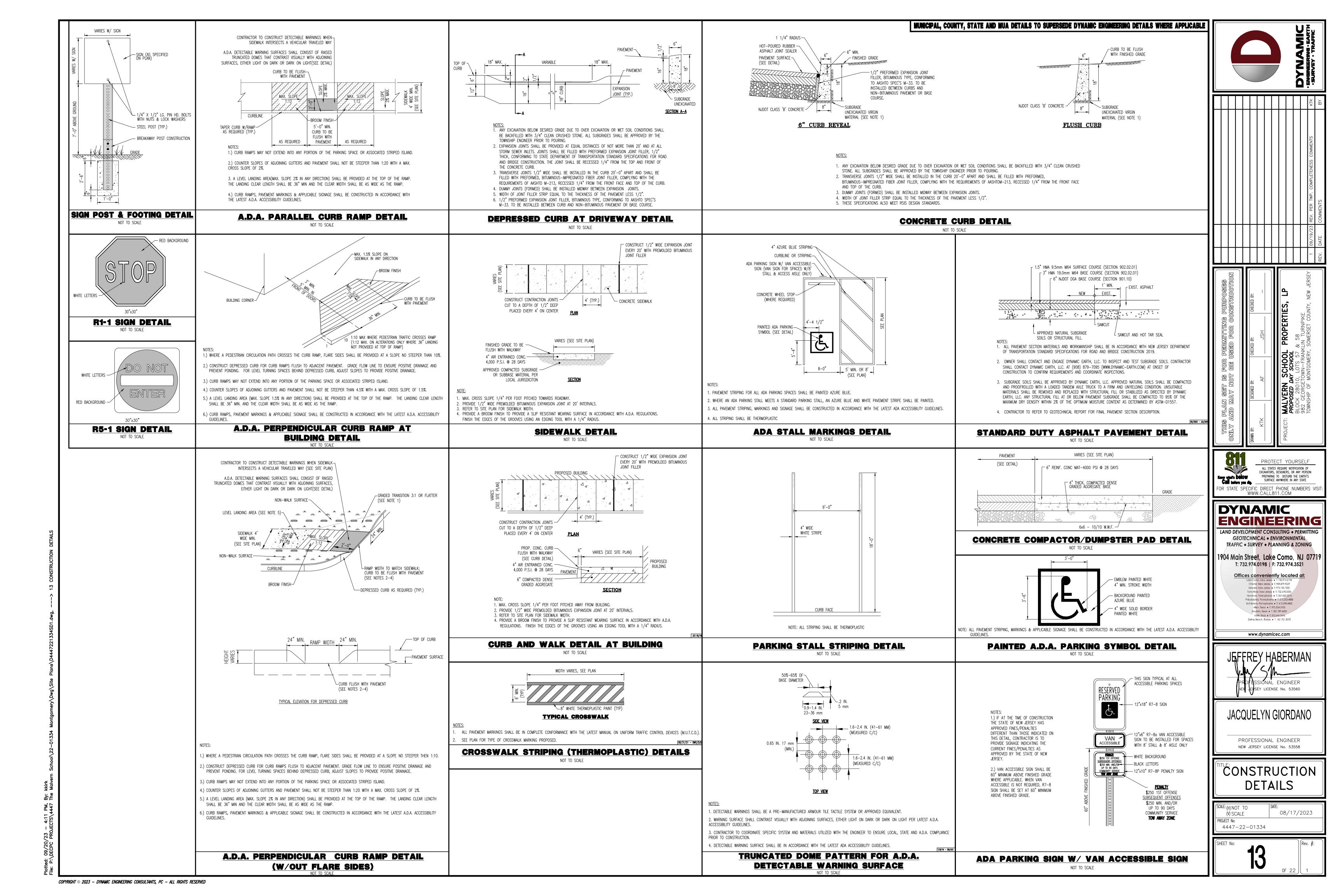


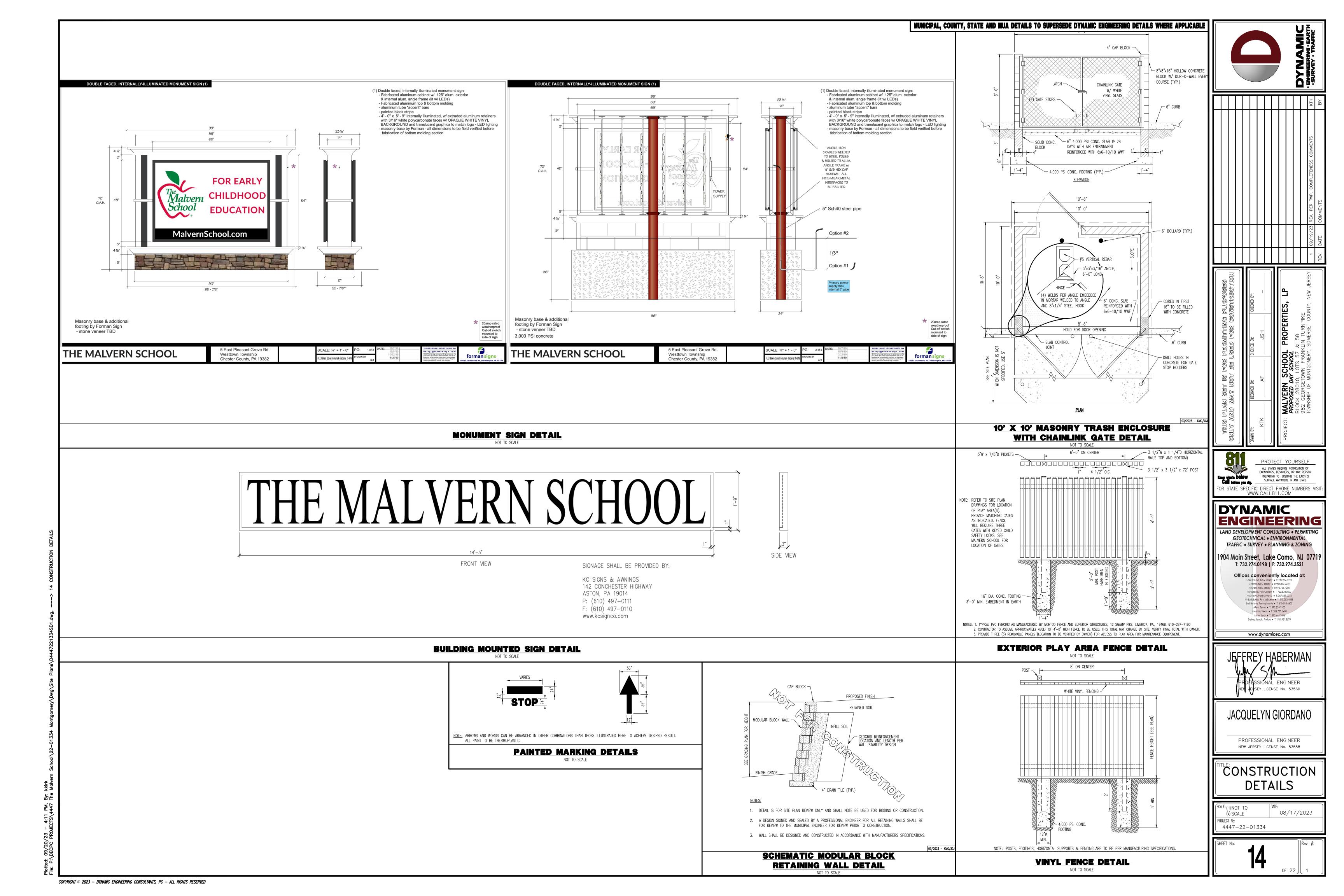
JACQUELYN GIORDAN(PROFESSIONAL ENGINEER

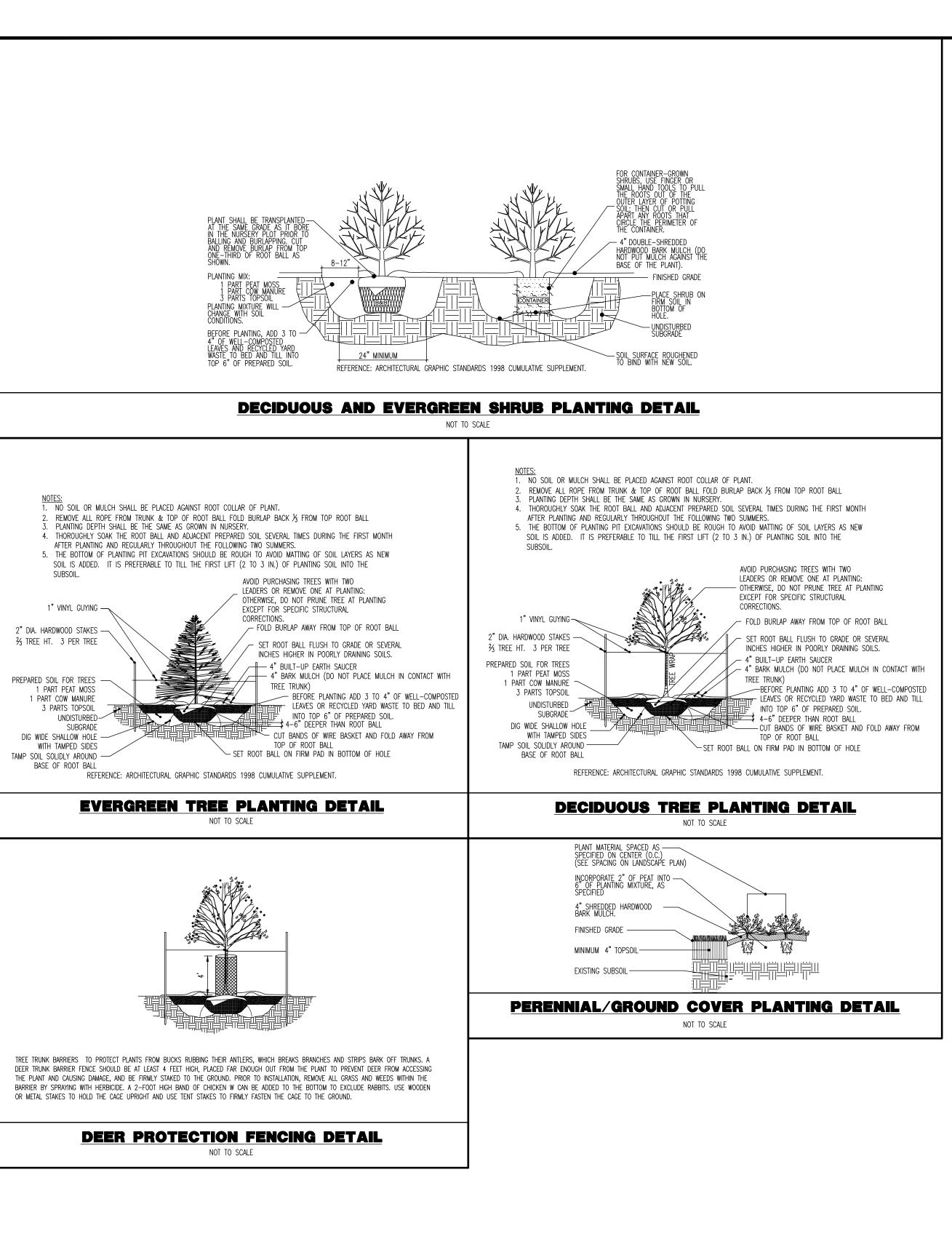
NEW JERSEY LICENSE No. 53558

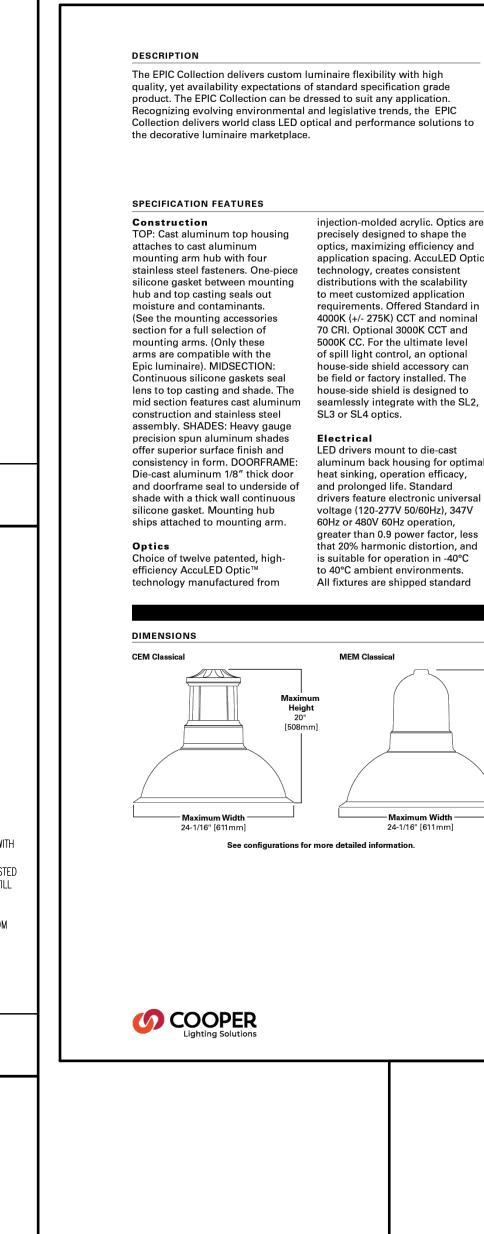
SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAIL

4447-22-01334









precisely designed to shape the

technology, creates consistent

distributions with the scalability

to meet customized application

requirements, Offered Standard in

4000K (+/- 275K) CCT and nominal

70 CRI, Optional 3000K CCT and

5000K CC. For the ultimate level

of spill light control, an optional

house-side shield accessory can

be field or factory installed. The

LED drivers mount to die-cast

voltage (120-277V 50/60Hz), 347V

greater than 0.9 power factor, less

that 20% harmonic distortion, and

Maximum Width

24-1/16" [611mm

is suitable for operation in -40°C

to 40°C ambient environments.

All fixtures are shipped standard

requirements.

Five-year warranty.

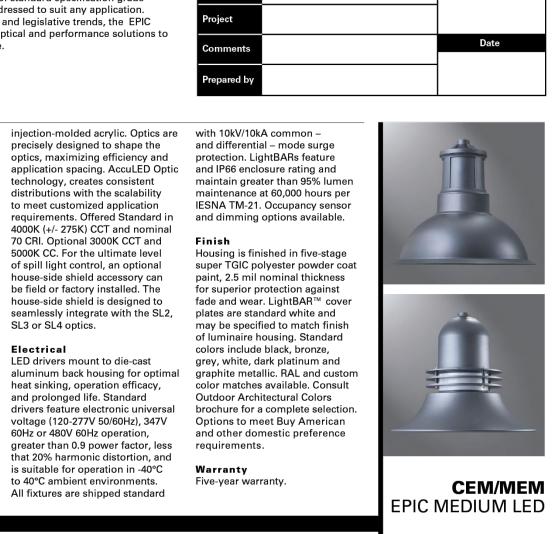
Warranty

Maximum Height

60Hz or 480V 60Hz operation,

Electrical

optics, maximizing efficiency and



1 - 4 LightBARs

DECORATIVE AREA LUMINAIRE

1141

IP66 LlahtBARs

SO 9001

LM79 / LM80 Compliant

G Vibration Tested

ENERGY DATA

Electronic LED Driver

<20% Total Harmonic Distortion

120-277V 50/60Hz, 347V/60Hz,

40°C Minimum Temperature

SHIPPING DATA

Approximate Net Weight: 5 lbs. [20 kgs.]

0°C Ambient Temperature Ratin

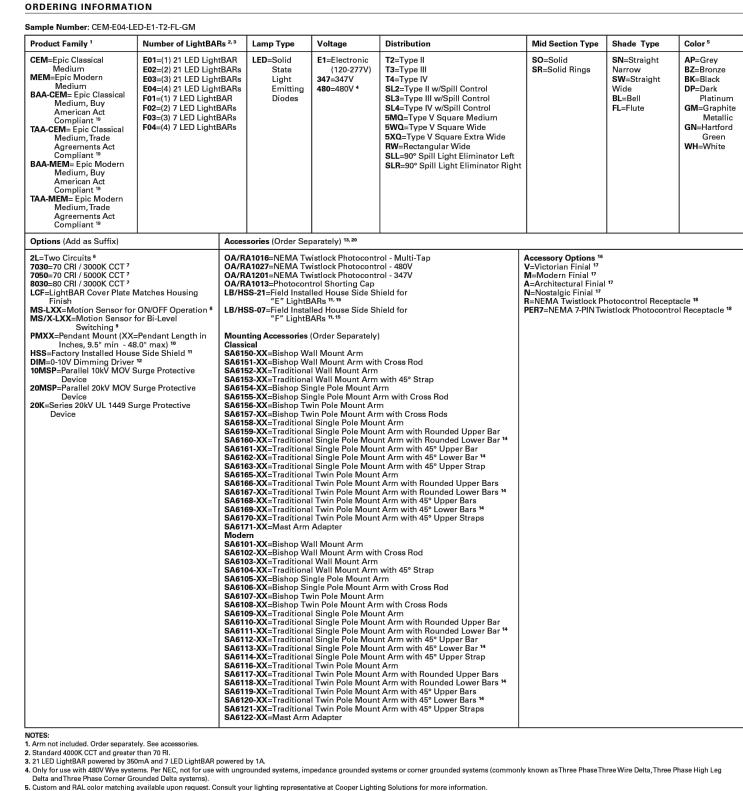
Effective Projected Area: (Sq. Ft.) 0.94

November 19, 2021 2:19 PM

CERTIFICATION DATA

Solid State LED

Streetworks

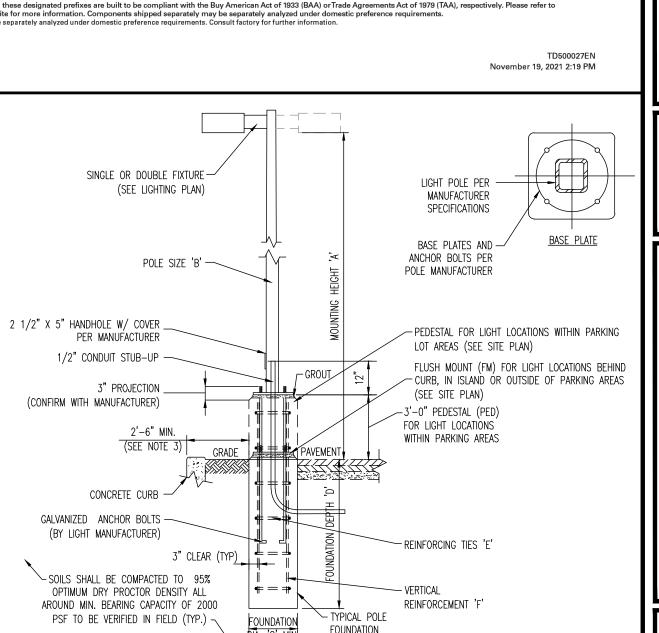


MUNICIPAL, COUNTY, STATE AND MUA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE

CEM/MEM EPIC MEDIUM LED

5. Custom and RAL color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information. Consult customer service for lead times and multiplier.
 Sensor mounted to the luminaire. Available in E01-E04 and F01-F04 configurations. Replace "XX" with mounting height in feet for proper lens selection, (e.g., MS-L25). Consult factory for additional information. 9. Sensor mounted to the luminaire. Available in E02-E04 and F02-F04 configurations. Replace "X" with number of LightBARs operating in low output mode and replace XX with mounting height in feet for proper lens selection, (e.g., MS/3-L25). Maximum four bars in low output mode. Consult factory for additional information. 10. Pendant mount option "PMXX" must be used with Invue Pendant mount kit only. Includes pendant pipe, swivel hangar and canopy cover. Other pendant lengths can be specified in inches (XX). Minimum pendant length is 9-1/2: For lengths above 48°, consult your lighting representative at Cooper Lighting Solutions for more information
11. Only for use with SL2, SL3 and SL4 distributions.
12. Dimming leads provide for external 0-10V control system (by others).
13. Replace XX with color suffix. 14. Only available with traditional arms. 15. One required for each LightBAR.
16. Add as suffix to mounting accessory. Example: VA6106-BK-R.
17. Not available with finials, pendant mount "PM48" or bishop wall mounts.
18. Requires use of 4" O.D. round straight pole. 19. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <u>DOMESTIC PREFERENCES</u> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

20. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. **O** COOPER



NOTE: 1. CONTRACTOR TO CONFIRM ALL LIGHT POLE & FIXTURE DIMENSIONS PRIOR TO CONSTRUCTION. 2. CONTRACTOR TO PROVIDE ADJUSTED POLE HEIGHT RESULTING IN MOUNTING HEIGHT 'A', TAKING INTO CONSIDERATION PEDESTAL (PED) OR FLUSH MOUNT (FM) FOUNDATION DESIGNATION AT EACH POLE LOCATION. . PROPOSED CONCRETE FOUNDATION AND POLE TO BE CONSTRUCTED WITHIN SUBJECT PROPERTY UNLESS OTHERWISE NOTED. SETBACK FROM CURB IS PREFERRED BUT TO BE ADJUSTED AS NEEDED TO PREVENT ENCROACHMENT OVER PROPERTY LINE. 4. BASE PLATE & ANCHOR BOLTS PER POLE MANUFACTURER. LARGER FOOTING DIAMETER AND/OR ALTERNATE ARRANGEMENT OF REINFORCING STEEL MAY BE REQUIRED TO ACCOMMODATE ANCHOR BOLT CONFIGURATION. CONTRACTOR RESPONSIBLE TO COORDINATE DIMENSIONAL REQUIREMENTS FOR BASE PLATE, ANCHOR BOLTS & REINFORCING STEEL PRIOR TO CONSTRUCTION.

LIGHT POLE FOUNDATION SCHEDULE	
MOUNTING HEIGHT ABOVE GRADE 'A'	15'-17'
POLE DIA. 'B'	6" SQUARE (OR PER MANUFACTURER)
# OF FIXTURES	SINGLE OR DOUBLE
FOUNDATION DIAMETER 'C'	18" DIA. ROUND
FOUNDATION DEPTH 'D'	5.0'
REINFORCING TIES 'E'	#4 @ 16" O.C.
VERTICAL REINFORCEMENT 'F'	(6) #5 BARS EQUALLY SPACED

1. FOOTING DESIGN BASED ON ASSUMED MAXIMUM ALLOWABLE SOILS BEARING CAPACITY OF 2,000 PSF. CONTRACTOR RESPONSIBLE TO VERIFY ADEQUACY OF ASSUMED BEARING CAPACITY PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED IF INCONSISTENCIES EXIST. 2. SUBGRADE TO BE FREE OF ORGANICS AND BE SUITABLE, COMPACTED MATERIAL.

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS P CUBIC YARD FOR ALL FOOTINGS. 2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1". 3. ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.

AREA LIGHT FOUNDATION DETAIL

NOT TO SCALE

4. REINFORCING FRAMEWORK AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE ACI AND UNIFORM BUILDING CODE.

0 EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S Know what's DelOW
Call before you de. SURFACE ANYWHERE IN ANY STATE FOR STATE SPECIFIC DIRECT PHONE NUMBERS VI: WWW.CALL811.COM

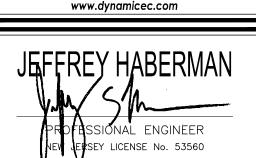
DYNAMIC ENGINEERING

LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING 1904 Main Street, Lake Como, NJ 07719

T: 732.974.0198 | F: 732.974.3521 Offices conveniently located at: Chester, New Jersey • T: 908.879.9229 Toms River, New Jersey • T: 732.678.0000 Philadelphia, Pennsylvania • T: 215.253.4888 Allen, Texas • T: 972.534.2100

Austin, Jexas • T: 512.646.2646

Delray Beach, Florida • T: 561.921.8570



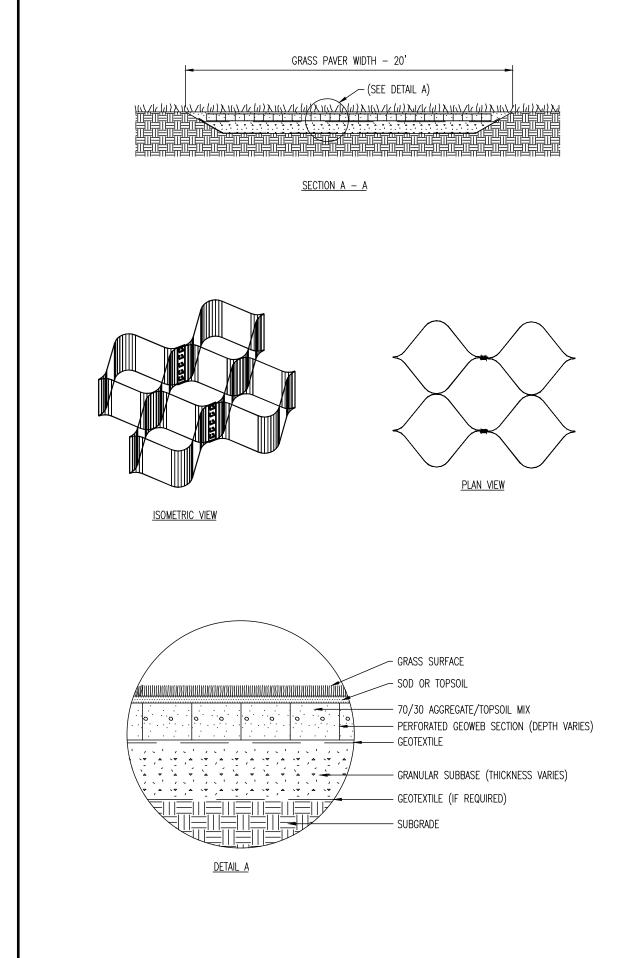
JACQUELYN GIORDANC

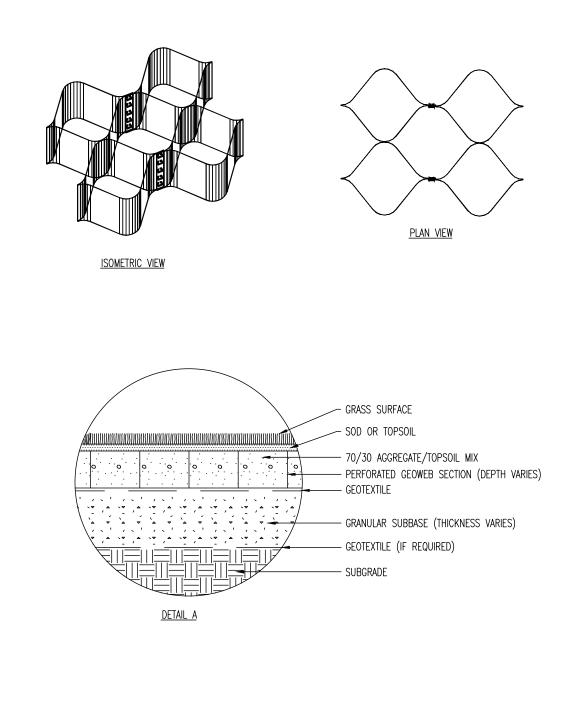
PROFESSIONAL ENGINEER

CONSTRUCTION **DETAILS**

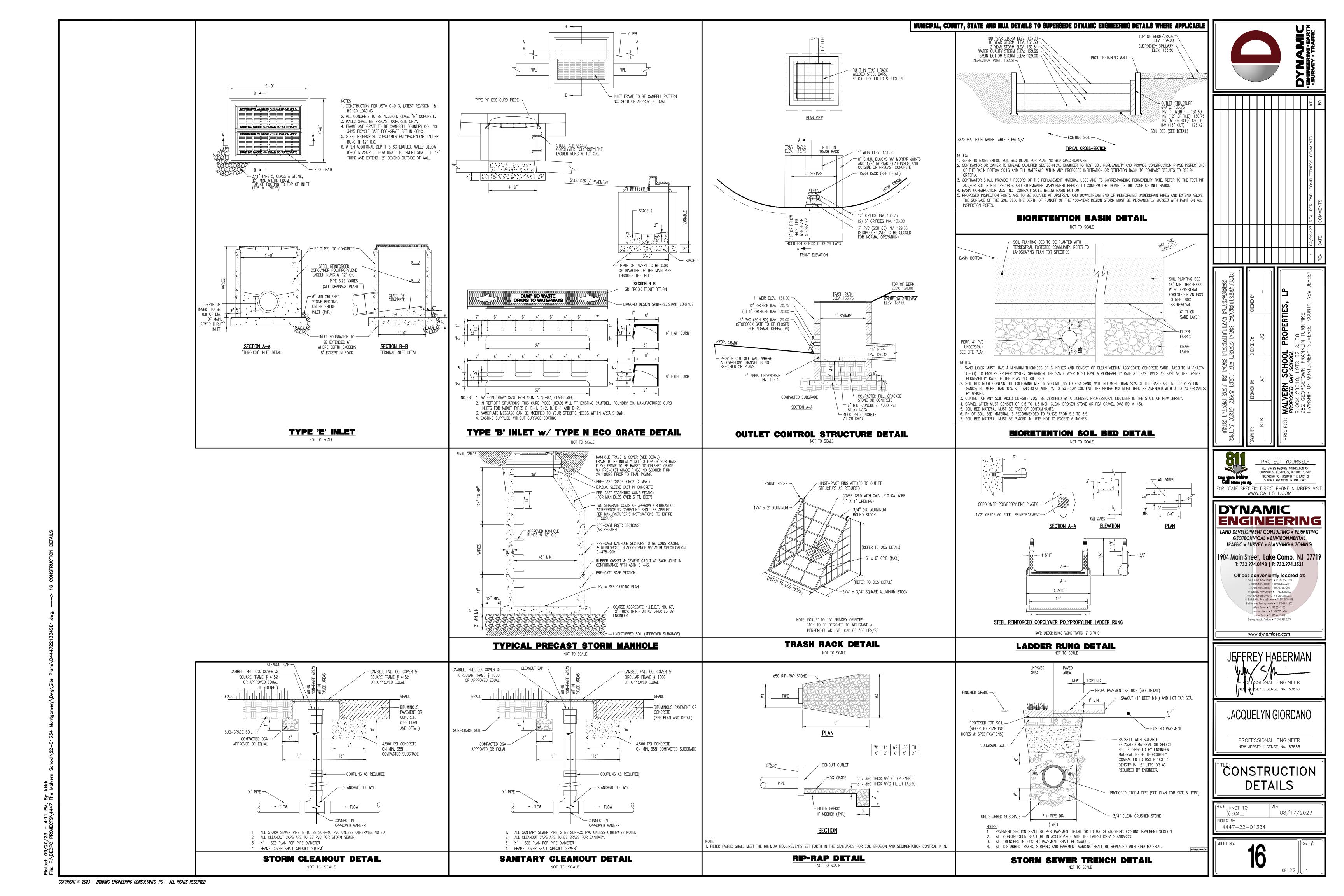
NEW JERSEY LICENSE No. 53558

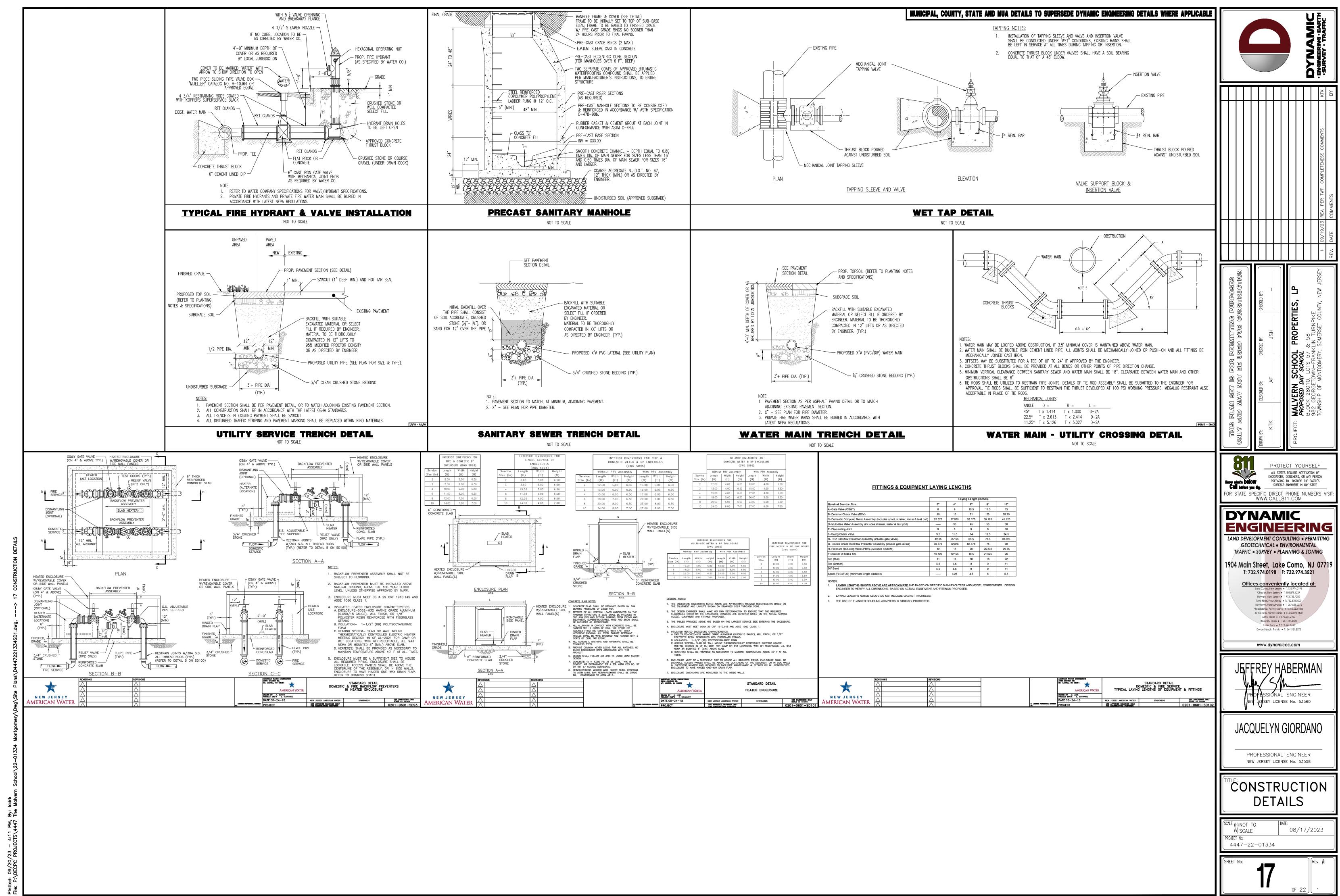
08/17/2023 (V) SCALE 4447-22-01334

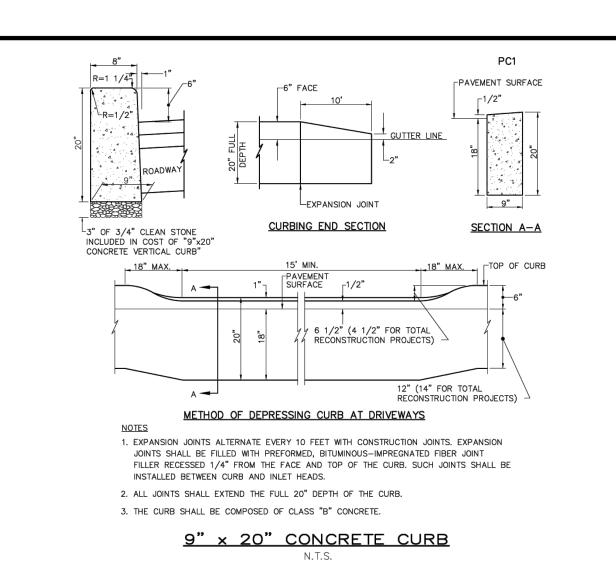




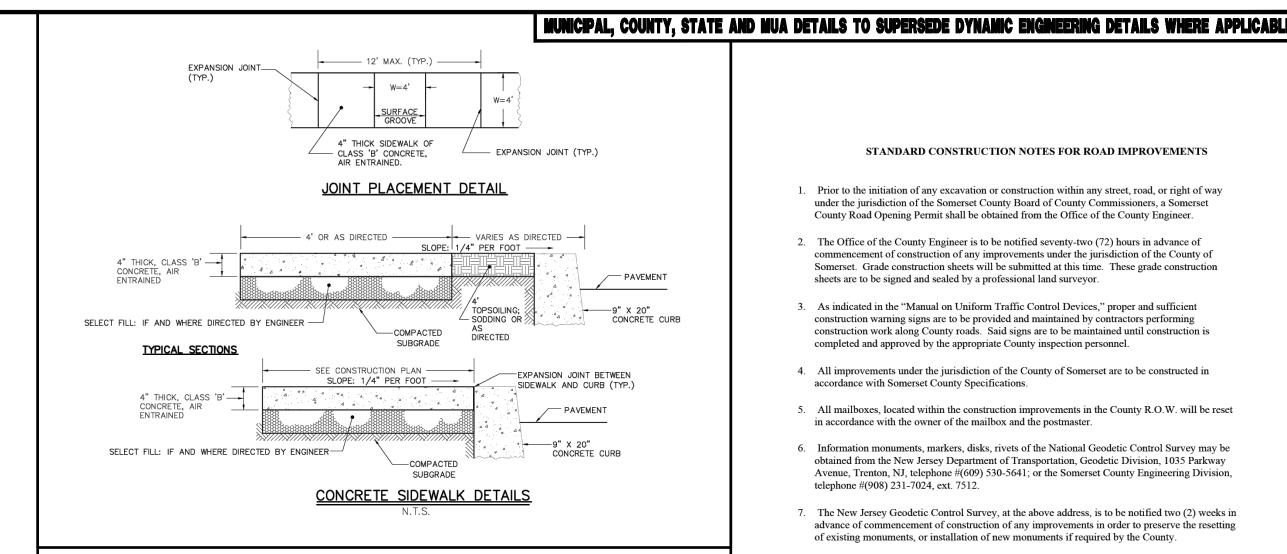
TYPICAL GRASS PAVER DETAILS







CR-1



STANDARD CONSTRUCTION NOTES FOR ROAD IMPROVEMENTS

- 1. Prior to the initiation of any excavation or construction within any street, road, or right of way under the jurisdiction of the Somerset County Board of County Commissioners, a Somerset County Road Opening Permit shall be obtained from the Office of the County Engineer.
- 2. The Office of the County Engineer is to be notified seventy-two (72) hours in advance of commencement of construction of any improvements under the jurisdiction of the County of Somerset. Grade construction sheets will be submitted at this time. These grade construction sheets are to be signed and sealed by a professional land surveyor.
- 3. As indicated in the "Manual on Uniform Traffic Control Devices," proper and sufficient construction warning signs are to be provided and maintained by contractors performing construction work along County roads. Said signs are to be maintained until construction is completed and approved by the appropriate County inspection personnel.
- 4. All improvements under the jurisdiction of the County of Somerset are to be constructed in accordance with Somerset County Specifications.
- in accordance with the owner of the mailbox and the postmaster. 6. Information monuments, markers, disks, rivets of the National Geodetic Control Survey may be obtained from the New Jersey Department of Transportation, Geodetic Division, 1035 Parkway

5. All mailboxes, located within the construction improvements in the County R.O.W. will be reset

Avenue, Trenton, NJ, telephone #(609) 530-5641; or the Somerset County Engineering Division,

CR-2

BOTTOM OF RAMP GREATER THAN 5' (60') FROM BACK

BOTTOM OF RAMP

FROM BACK OF CURB

- GRADE BREAK

<u>ALTERNATE 2</u> <u>CUT TILES</u>

7. The New Jersey Geodetic Control Survey, at the above address, is to be notified two (2) weeks in advance of commencement of construction of any improvements in order to preserve the resetting of existing monuments, or installation of new monuments if required by the County.

1. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL ACROSS THE FULL WIDTH OF THE CURB RAMP; ROADWAY EDGE OF DWS TO BE AT THE BACK OF CURB OR UPTO 5" MAXIMUM FROM THE GUTTER LINE OF THE ROADWAY.

2. PROVIDE DWS COLOR AS INDICATED ON PLANS, THAT CONTRASTS WITH THE PAVED SURFACE.

SLOPE OF DWS TO MATCH THE SLOPE OF CURB RAMP

-DWS THICKNESS

SEE NOTE BELOW

12"

DISTANCE LESS THAN 5' (60") PERPENDICULAR DWS PERMITTED

NOTE:
CONSTRUCT EXTENDED DEPTH TO PROVIDE FULL THICKNESS

SIDEWALK UNDER DETECTABLE WARNING SURFACE, ALSO SEE CURB DETAIL FOR ADA CURB RAMPS.

DWS EMBEDDING DETAIL

ROADWAY SURFACE

CONCRETE __/

CURB RAMP-

ONE CORNER OF DWS -LOCATED AT BACK OF CURB

DETECTABLE WARNING

SURFACE

CONCRETE SIDEWALK

GRASS

CURBLINE

SURFACE

FLUSH CURB (FC)

COLOR, LIGHT ON DARK OR DARK ON LIGHT.

DWS ON CURVED ALIGNMENT CAN USE PREFABRICATED CURVED TILES OR TILES CAN BE CUT.
WEDGES TO BE CUT FROM SIDES OF TILES SO THAT THEY CAN SMOOTHLY BE JOINED TO FORM A

CURVE WHERE THE FACE OF TILE DOES NOT EXCEED 2" FROM THE BACK OF CURB. SURFACE APPLIED TILES CANNOT BE CUT AND MUST BE ORDERED FOR FULL WIDTH COVERAGE OF RAMPS AND RADIUS OF CURVE.

[∠]6" AGGREGATE

-LEADING EDGE OF DWS AT BOTTOM

-LEADING EDGE OF DWS AT BACK OF

CURB RAMP

DETECTABLE WARNING SURFACE (DWS)

TYPICAL

DWS PERPENDICULAR TO SIDEWALK

CURVED DWS PLACED AT

SEE NOTES 3 & 4.

CURB RAMP-

CURBLINE

OF FLUSH CURB (FC)

GRADE BREAK -

CURB RAMP——GRASS

, CONCRETE SIDEWALK

CURBLINE

WEDGE CUT DWS TILES, -SEE NOTES 3 & 4.

CURB RAMP——GRASS

CONCRETE SIDEWALK

GRASS

SEE NOTES 3 & 4.

DWS FOR CURVED ALIGNMENT

BACK DWS LOCATED AT

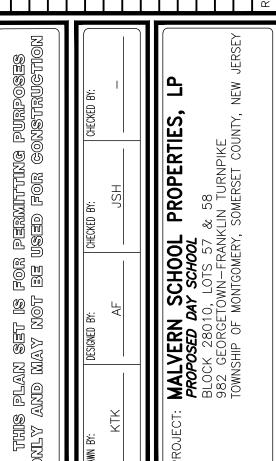
TRIANGULAR WEDGE

7 м<u>АХ.SLO</u>РЕ

CONCRETE SIDEWALK

Prepared by: Somerset County Department of Public Works

telephone #(908) 231-7024, ext. 7512.





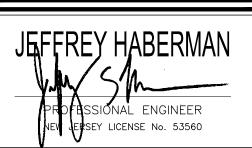
DYNAMIC ENGINEERING LAND DEVELOPMENT CONSULTING • PERMITTING

GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING

1904 Main Street, Lake Como, NJ 07719 T: 732.974.0198 | F: 732.974.3521 Offices conveniently located at:

Chester, New Jersey • T: 908.879.9229 ewark, New Jersey • T: 973.755.7200 Toms River, New Jersey • T: 732.678.0000 Philadelphia, Pennsylvania • T: 215.253.4888 Allen, Texas • T: 972.534.2100 Austin, Texas • T: 512.646.2646 Delray Beach, Florida • T: 561.921.8570

www.dynamicec.com



JACQUELYN GIORDANC

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 53558

SOMERSET COUNTY CONSTRUCTION DETAILS

^{CALE}: (H) NOT TO 08/17/2023 (V) SCALE PROJECT No: 4447-22-01334

CR-1A

- 1. PROVIDE EXPANSION JOINT MATERIAL 1/2" THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK, OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
- 2. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.

CONSTRUCTION NOTES

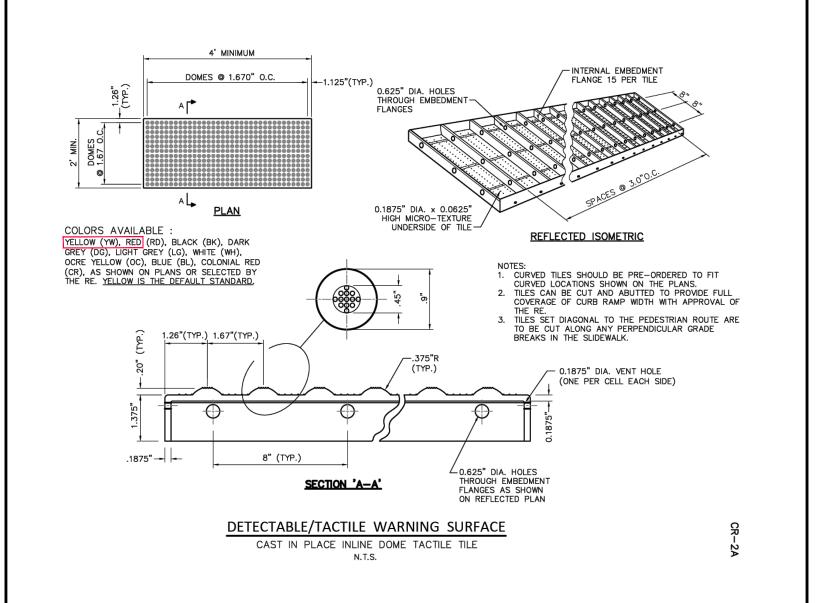
- PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL ACROSS THE FULL WIDTH OF THE CURB RAMP; ROADWAY EDGE OF DWS TO BE 8" MINIMUM TO 5' MAXIMUM FROM THE GUTTER LINE OF
- PROVIDE DWS COLOR THAT CONTRASTS WITH THE PAVED SURFACE COLOR, LIGHT ON DARK OR DARK ON LIGHT. ALIGN DWS TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB.
- 4. CURB AT CURB RAMP TO BE CONSTRUCTED AS CONCRETE ACROSS THE RAMP OPENING AND A CONCRETE CRADLE, 4" WIDE AND 4" DOWN POURED MONOLITHICALLY WITH THE CURB TO SUPPORT THE CONCRETE SIDEWALK CURB RAMP, SEE NJDOT DETAIL SHEET CD-606-1. CONSTRUCT TOP OF DEPRESSED CURB TO BE FLUSH WITH ADJACENT SURFACES (ROADWAY AND RAMPS). GRADE ROADWAY GUTTER TO INSURE POSITIVE DRAINAGE AND PREVENT PONDING.
- 5. TRAVERSIBLE FLARES ON RAMPS, WITH SLOPES LESS THAN 10%, WILL BE CONSTRUCTED WITH A DEFINED CONSTRUCTION JOINT BETWEEN THE FLARE GRADE AND THE ACTUAL CURB RAMP. DWS WILL EXEND FROM CONSTRUCTION JOINT TO
- 6. FLARES FOR RAMPS THAT ARE ADJACENT TO GRASS BERM AREAS (CURB FLARE OF 18") WILL HAVE GRASS FLARES. THE EDGE OF THE CURB RAMP WILL BE THE EDGE OF THE CONCRETE. DWS WILL EXTEND THE FULL WIDTH OF THE CURB

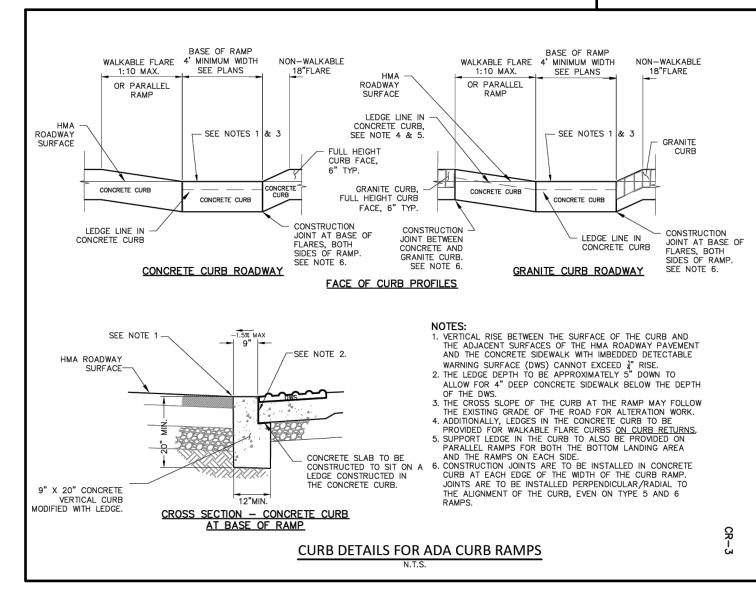
CURB RAMP NOTES - SOMERSET COUNTY

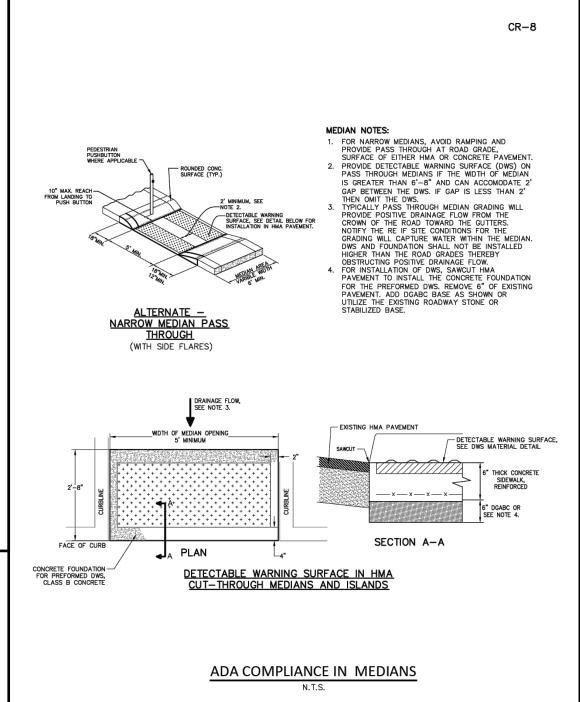
- 1. IN THE LAYOUT OF CURB RAMP ALTERATIONS, IT IS THE INTENSION THAT:
 A. THE NOTES AND DETAILS HEREIN ARE TO SUPPLEMENT THE NJDOT STANDARD DETAILS AND
- NOTES.
 B. HORIZONTAL LOCATION OF CURB RETURN TO REMAIN AS CLOSE TO EXISTING LOCATION AS C. THE MAXIMUM CURB HEIGHT AROUND THE CURB RETURN IS 4" HIGH UNLESS OTHERWISE
- CURB REPLACEMENT TO EXTEND TO NEAREST JOINT.
 SIDEWALK IMPROVEMENTS TO EXTEND TO NEAREST JOINT. IF IT IS A CONSTRUCTION JOINT,
 THEN THE SIDEWALK SHOULD BE SAWCUT ALONG THE JOINT LINE. 2. FOR NEW CONSTRUCTION AND ALTERATIONS, DO NOT EXCEED 1:50 (2%) CROSS SLOPE ON THE CURB RAMP, LANDING, OR PEDESTRIAN ACCESSIBLE ROUTE. RUNNING SLOPE IS NOT TO EXCEED 1:12 (8.3%) ANY WHERE ALONG THE

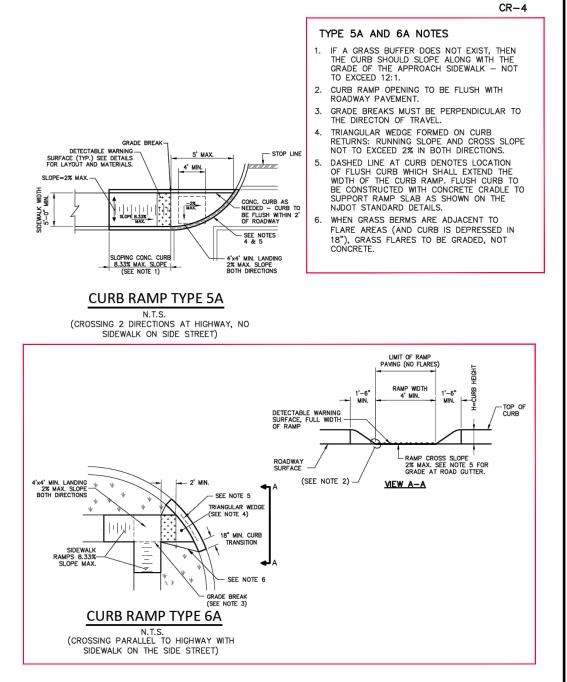
ACCESSIBLE ROUTE, EXCEPT AS APPROVED BY THE RE.

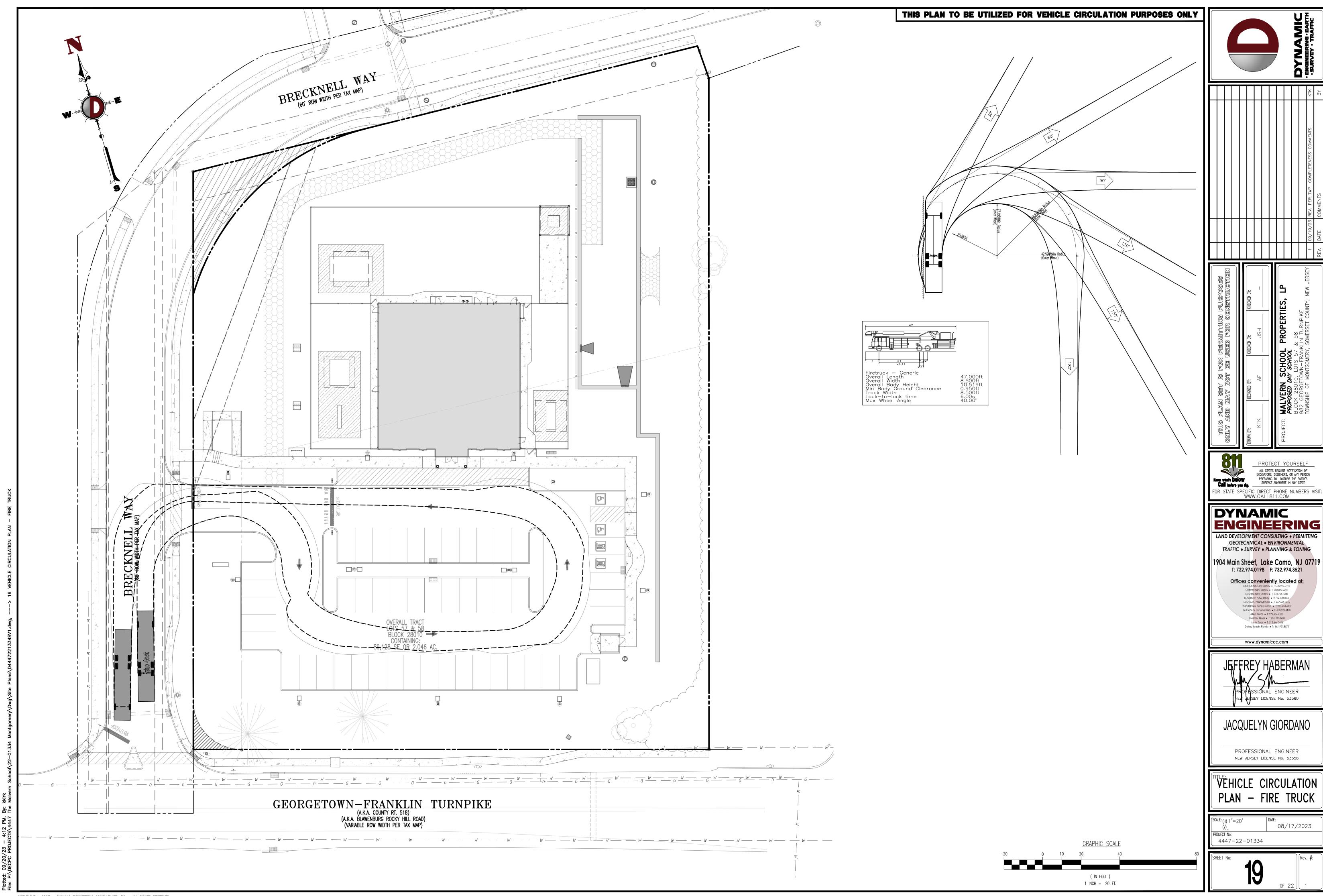
- 3. 4'x4' LEVEL LANDINGS (AKA TURNING SPACE) ARE TO BE PROVIDED WHEREEVER TURNING MOVEMENTS WOULD BE MADE BY WHEELCHAIR USERS: LANDINGS CANNOT EXCEED 1:50 (2%) IN BOTH DIRECTIONS. IF THE LANDING IS CONSTRAINED BY CURB OR WALLS ON MORE THAN 2 SIDES, THEN THE WIDTH THE LANDING IN THE DIRECTION OF THE CROSSWALK WILL BE 5 FEET.
- 4. FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE. THE SLOPES INDICATED ON THE PLANS SHOW THE MAXIMUM SLOPE ALLOWABLE. SLOPES THAT EXCEED THOSE INDICATED ON THE PLANS WILL NOT BE ACCEPTED AND WILL BE RECONSTRUCTED. TO AVOID CHASING GRADE INDEFINITELY ON ALTERATION WORK, A MAXIMUM REPLACEMENT LENGTH OF 15' FROM THE CURB FACE MAY BE AN OPTION PERMITTED BY THE RE. THE RE TO ADJUST RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT FEASIBLE AND MUST DOCUMENT THE RAMP BEING TECHNICALLY INFEASIBLE ON THE PROPER FORMS.
- 5. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC DIFFERENCE OF 11%.
 COUNTER SLOPE OF THE GUTTER OF THE ROAD IS NOT TO EXCEED 5%.
- 6. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSS WALK, THE RAMP (EXCLUDING THE FLARES) IS TO ALIGN FULLY INSIDE OF THE CROSSWALK MARKINGS. CURB RAMPS SHALL HAVE A MINIMUM 4' X 4' CLEAR SPACE AT THE BOTTOM OF THE RAMP THAT IS WITHIN THE CROSS WALK AREA AND WHOLLY OUTSIDE OF THE TRAVEL LANES OF THE ROADWAYS.
- 7. THE RE WILL BE MADE AWARE OF ANY CASES WHERE THESE REQUIREMENTS CANNOT BE MET PRIOR TO PAVING OF THE CURB RAMPS. IF THE WORK PROCEEDS WITHOUT NOTICE TO THE RE, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF RECONSTRUCTING THE RAMP.
- 8. RAMPS AT THE MIDDLE OF CURB RETURNS ARE NOT PREFERED AS THEY DIRECT PEDESTRIANS INTO THE INTERSECTION. THIS TYPE TO ONLY BE REPLACED IN-KIND IF FIRST APPROVED BY THE RE.



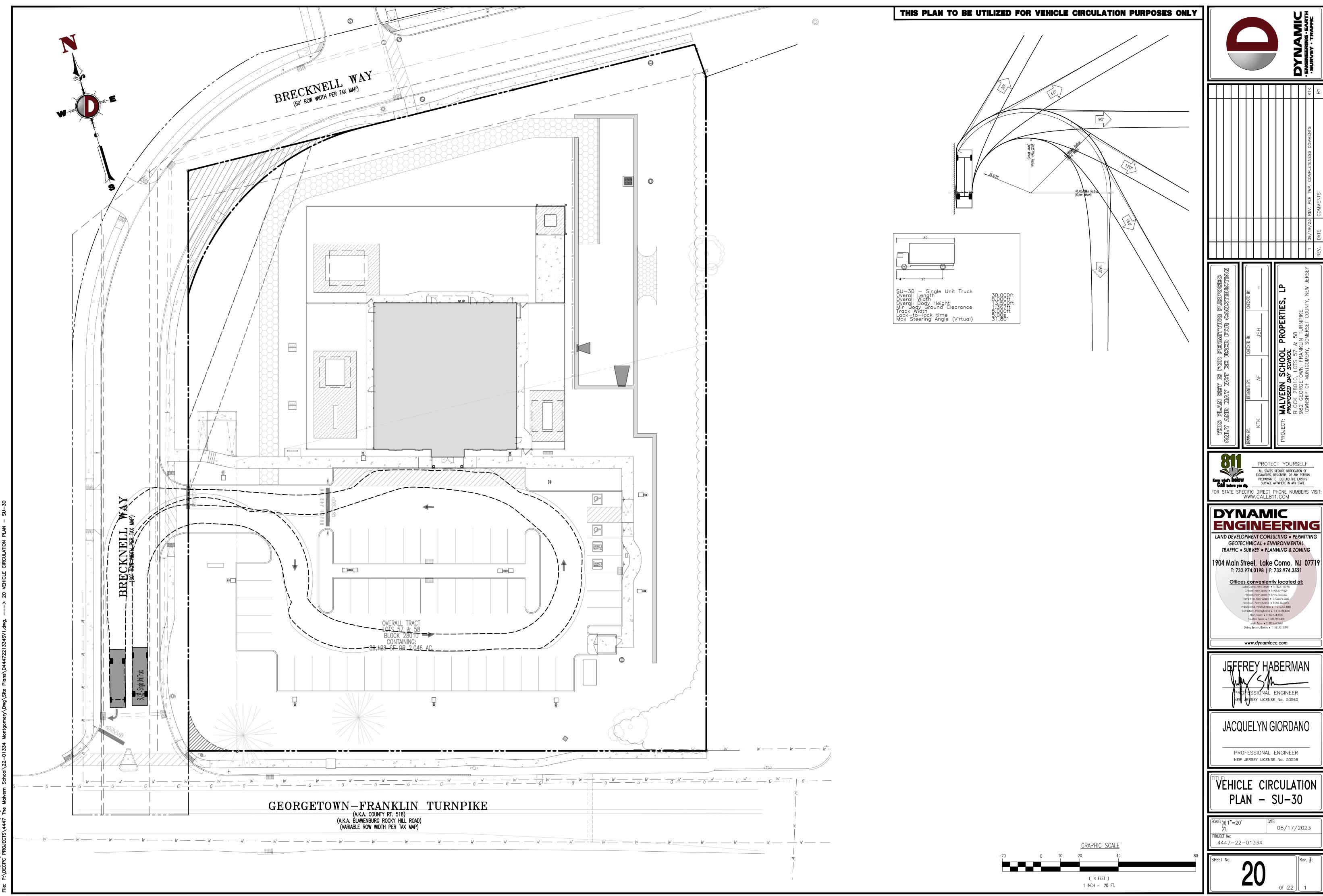




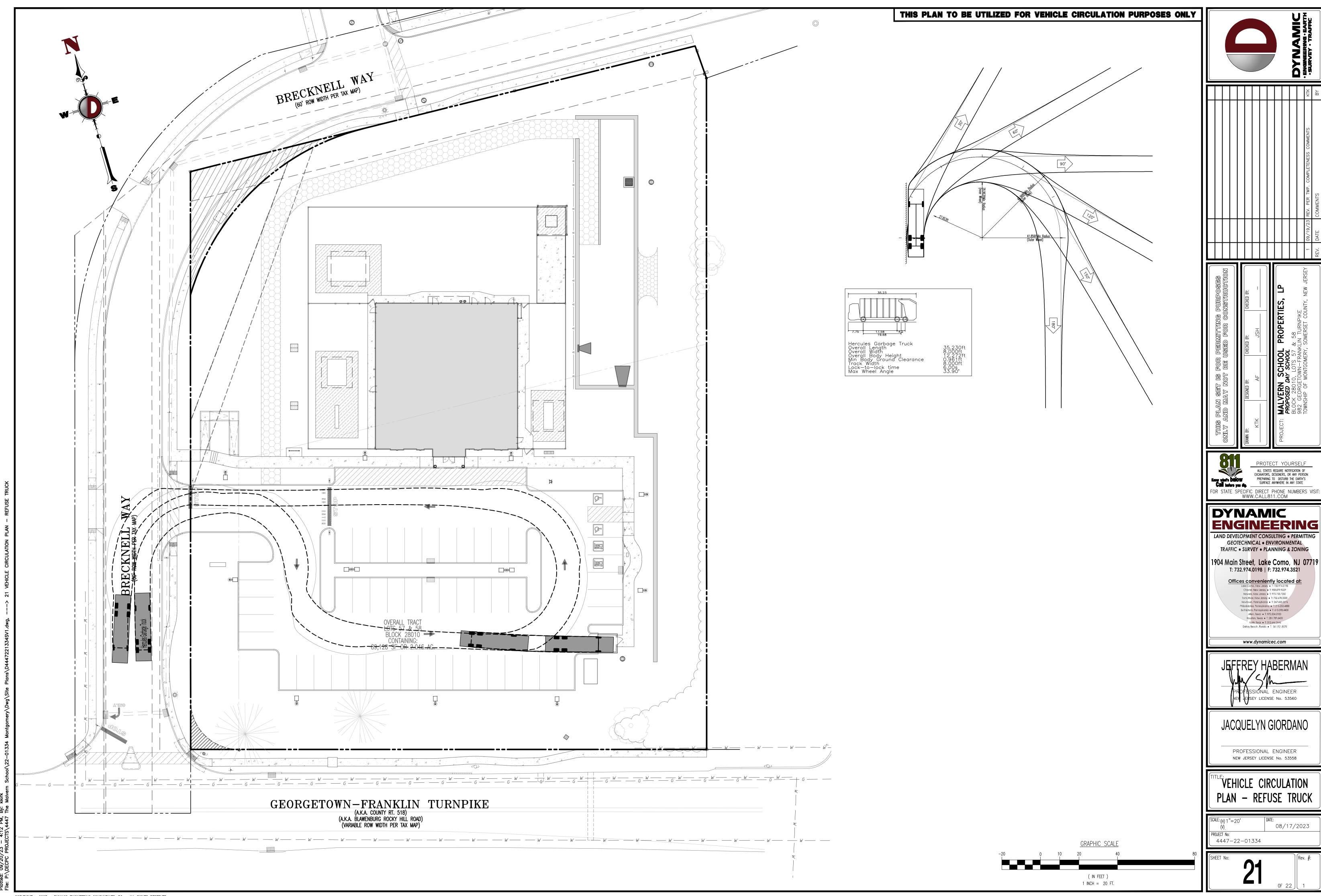




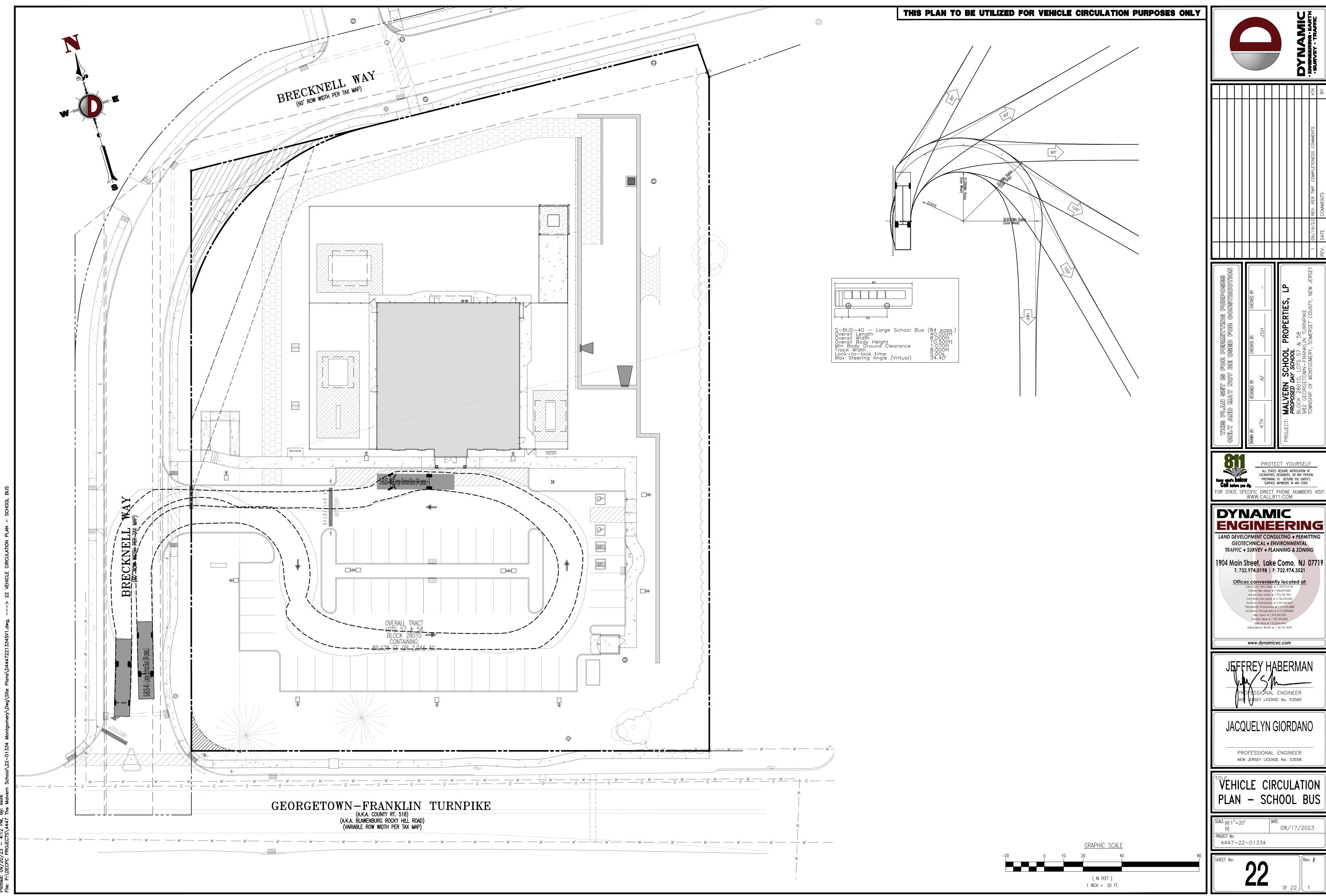
COPYRIGHT © 2023 - DYNAMIC ENGINEERING CONSULTANTS, PC - ALL RIGHTS RESERVED



COPYRIGHT © 2023 — DYNAMIC ENGINEERING CONSULTANTS, PC — ALL RIGHTS RESERVED



COPYRIGHT © 2023 - DYNAMIC ENGINEERING CONSULTANTS, PC - ALL RIGHTS RESERVED



COPYRIGHT © 2023 — DYNAMIC ENGINEERING CONSULTANTS, PC — ALL RIGHTS RESERVED

