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GENERAL NOTES

- BOUNDARY INFORMATION SHOWN HEREON ON SHEET 2 TAKEN FROM PLAN ENTITLED "LA/ACSM LAND TITLE SURVEY, MAP OF PROPERTY SITUATED AT 34 LINN DRIVE, TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY, BLOCK 128/125 LOTS 26, 27, 27/1" PREPARED BY GEORGE J. ANDERSON, LLC, "ALFACSM LAND SURVEYORS DATED APRIL 10, 2008. TOPOGRAPHIC INFORMATION SHOWN HEREON ON PLAN SHEETS 3 - 7 TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN, PART OF TAX LOT 1 - BLOCK 2303 TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY" PREPARED BY LAKELAND SURVEYING DATED APRIL 20, 2021.
2. REFER TO PLANS PREPARED BY FOX ARCHITECTURAL DESIGN PC FOR INFORMATION ON THE PROPOSED APARTMENT BUILDING AND NEW JERSEY PREPARED BY BOWMAN CONSULTING GROUP - LANDSCAPE ARCHITECTS FOR INFORMATION ON THE PROPOSED ANEED AREA.
3. THE SUBJECT PROPERTY IS IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL FLOOD FLOODPLAIN) BASED ON THE FLOOD INSURANCE RATE MAP WITH AN EFFECTIVE DATE OF JUNE 4, 2007.
4. ENGINEER SIGNING THIS PLAN IS NOT QUALIFIED TO MAKE A DETERMINATION AS TO THE PRESENCE OR ABSENCE OF WETLANDS. THEREFORE, NO STATEMENT IS BEING MADE OR IMPLIED BY THE FACT THAT NO EVIDENCE OF WETLANDS OR WETLAND TRANSITION AREAS (BUFFERS) ARE SHOWN ON THIS PLAN.
5. CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS REGARDING SUBSURFACE CONDITIONS, INCLUDING BUT NOT LIMITED TO SOIL CHARACTERISTICS, AS WELL AS DEPTH TO ROCK AND GROUNDWATER. THE DESIGN ENGINEER WAS NOT CONTRACTED TO MAKE ANY SUCH DETERMINATIONS.
6. THE ENGINEER SIGNING THIS PLAN IS NOT QUALIFIED TO MAKE A DETERMINATION AS TO THE PRESENCE OR ABSENCE OF CONTAMINATION OR OTHER ENVIRONMENTAL CONDITIONS ON THE SITE. THEREFORE, NO STATEMENT IS BEING MADE OR IMPLIED BY THE FACT THAT NO EVIDENCE OF CONTAMINATION OR OTHER ENVIRONMENTAL CONDITIONS IS SHOWN ON THIS PLAN.
7. UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND BASED SOLELY UPON ABOVE GROUND OBSERVATIONS, MARK-OUTS AND/OR PLANS PROVIDED BY UTILITY COMPANIES. THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN REGARDING UNDERGROUND UTILITIES IS NOT GUARANTEED BY THE ENGINEER. CONNECTIONS BETWEEN STRUCTURES, IF AND WHERE SHOWN, MAY NOT REPRESENT ACTUAL BELOW GROUND CONDITIONS. CONTRACTOR AND SUBCONTRACTORS ARE RESPONSIBLE FOR ORDERING MARK-OUTS, COORDINATION WITH THE VARIOUS UTILITY COMPANIES AND FOR MAKING THEIR OWN DETERMINATION AS TO THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION TO ASSURE DISBURSANCE AND/OR DISRUPTION OF EXISTING UTILITIES IS AVOIDED WHERE POSSIBLE AND MINIMIZED IN ALL CASES. AS THE EXTENSION OF EXISTING UTILITIES MAY BE UNKNOWN TO ENGINEER, CONTRACTOR IS ADVISED THAT THE POTENTIAL FOR CONFLICTS WITH PROPOSED WORK MAY EXIST. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND COORDINATE ANY SCHEDULING REQUIREMENTS WITH ALL UTILITIES PRIOR TO CONSTRUCTION. IN THE EVENT THE CONTRACTOR IDENTIFIES A CONFLICT BETWEEN THE PROPOSED WORK AND EXISTING UTILITIES, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER AND THE OWNER PRIOR TO ANY WORK BEING PERFORMED.
- a. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF THE EXISTING UTILITY TO WHICH CONNECTION IS BEING MADE BEFORE LAYING ANY PIPE, CONDUIT, ETC. DISCREPANCIES SHALL BE REPORTED TO THE DESIGN ENGINEER.
- b. ANY TEMPORARY INTERRUPTION OF SERVICE TO THE SITE AND/OR ADJACENT PROPERTIES SHALL BE PRE-APPROVED IN WRITING (EMAIL) BY THE RESPECTIVE UTILITY.
- c. ELECTRIC, TELEPHONE, CABLE TELEVISION AND ALL OTHER UTILITY SERVICES SHALL BE INSTALLED UNDERGROUND AT LOCATIONS DETERMINED BY EACH RESPECTIVE UTILITY ENTITY, SUBJECT TO ANY REQUIRED MUNICIPAL APPROVAL, REGARDLESS OF WHETHER OR NOT THE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF ALL UTILITY MAINS AND SERVICES WITH EACH UTILITY ENTITY AND PROVIDE WHATEVER CONSTRUCTION SUPPORT IS REQUIRED FOR ACHIEVING UTILITY SERVICE. THE CONTRACTOR IS ADVISED TO CONTACT EACH RESPECTIVE UTILITY COMPANY PRIOR TO CONSTRUCTION TO DETERMINE AND COORDINATE ANY SCHEDULING REQUIREMENTS.
- d. SHOULD IT BE REQUIRED TO EXCAVATE ONE OR MORE TRENCHES IN EXISTING ROADWAYS, BACKFILLING AND PAVEMENT REPLACEMENT/REPAIR SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE MUNICIPALITY OR COUNTY, AS APPLICABLE. VERIFICATION OF BACKFILL REQUIREMENTS SHALL BE MADE PRIOR TO BID.
8. THE OWNER SHALL PROVIDE A COPY OF ALL PERMITS AND APPROVALS ISSUED FOR THE PROJECT TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR READING AND COMPLYING WITH THE TERMS AND CONDITIONS OF ALL PERMITS, APPROVALS AND AUTHORIZATIONS ISSUED BY THE VARIOUS REGULATORY AUTHORITIES FOR THE PROJECT. THE CONTRACTOR IS ALSO RESPONSIBLE FOR CONFIRMING WITH THE ENGINEER THAT THE PERMITS AND APPROVALS PROVIDED BY THE OWNER IS COMPLETE. RESPONSIBILITY FOR ANY ADDITIONAL PERMITS REQUIRED AS CONSTRUCTION PROGRESSES, SUCH AS BUILDING PERMITS (INCLUDING BUILDING PERMITS FOR RETAINING WALLS) AND ROAD OPENING PERMITS SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND OWNER.
9. PRIOR TO ANY CONSTRUCTION OR SITE PREPARATION ACTIVITY, THE CONTRACTOR SHALL COMPLETE THE FOLLOWING:
- VERIFY THE PLANS CONTAIN THE RAISED SEAL OF THE ENGINEER AND DISPLAY THE LATEST REVISION AS "ISSUED FOR CONSTRUCTION." THE USE OF ANY OTHER PLANS IS AT THE CONTRACTOR'S RISK.
 - VERIFY THE INFORMATION SHOWN ON THESE PLANS IS CONSISTENT WITH THE INFORMATION SHOWN ON ALL OTHER PLANS (ARCHITECTURAL, LANDSCAPING, ETC.) BEING USED FOR CONSTRUCTION OF THE PROJECT. ALSO, VERIFY THE PLANS ARE CONSISTENT WITH ALL CONDITIONS AND REQUIREMENTS SET FORTH IN THE PERMITS. REPORT ANY DISCREPANCIES/INCONSISTENCIES TO THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY CONSTRUCTION.
 - DETERMINE ALL APPLICABLE SPECIFICATIONS, AS WELL AS ALL REQUIREMENTS FOR SHOP DRAWINGS, INSPECTIONS AND TESTING APPLICABLE TO PROJECT BY CONTACTING THE LOCAL BUILDING OFFICIAL, MUNICIPAL ENGINEER AND EACH AFFECTED UTILITY COMPANY (OR AGENCY). IN THE EVENT OF A CONFLICT BETWEEN ANY SPECIFICATIONS AND THE INFORMATION SHOWN ON THESE PLANS, THE DESIGN ENGINEER AND THE OWNER SHALL BE NOTIFIED IN ORDER TO RESOLVE THE CONFLICT PRIOR TO ANY CONSTRUCTION.
 - CONTACT THE LOCAL POLICE DEPARTMENT RELEVANT TO ANY WORK TO BE PERFORMED IN OR NEAR PUBLIC STREETS, AS WELL AS INGRESS AND EGRESS REQUIREMENTS DURING CONSTRUCTION. TRAFFIC CONTROL REQUIREMENTS SHALL BE ESTABLISHED BETWEEN THE CONTRACTOR AND POLICE DEPARTMENT AT THIS TIME.
10. RELEVANT DOCUMENTATION PERTAINING TO ANY PRODUCT PROPOSED BY THE CONTRACTOR ON THE BASIS OF AN "APPROVED EQUAL" SHALL BE SUBMITTED TO THE MUNICIPAL ENGINEER AND THE DESIGN ENGINEER AT LEAST TWO WEEKS IN ADVANCE OF ORDERING PRODUCT. THE PRODUCT MUST BE APPROVED FOR INCORPORATION INTO THE PROJECT BY BOTH THE MUNICIPAL ENGINEER AND THE DESIGN ENGINEER.
11. ALL CONFIRMATIONS/VERIFICATIONS BETWEEN THE CONTRACTOR, OWNER AND/OR UTILITY ENGINEER SHALL BE VIA EMAIL (OR OTHER WRITTEN FORMS) OF COMMUNICATION.
12. CONTRACTOR TO CALL THE NEW JERSEY ONE CALL SYSTEM (800-272-1000) TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO ANY SITE DISTURBANCE.
13. THE CONTRACTOR SHALL PROVIDE THE OWNER AND THE DESIGN ENGINEER WITH A LIST OF ALL SHOP DRAWINGS, INSPECTIONS, TESTING, CERTIFICATIONS, AS-BUILT PLANS AND SIMILAR POST-CONSTRUCTION APPROVAL REQUIREMENTS PERTAINING TO THE PROJECT. THE LIST SHALL ALSO IDENTIFY THE SPECIFIC INDIVIDUAL RESPONSIBLE FOR PERFORMING EACH TEST AND/OR PROVIDING EACH CERTIFICATION AND/OR APPROVAL. IN PARTICULAR, SHOULD NIDEP PERMITS APPLY TO ANY UTILITY CONSTRUCTION AND SHOULD THE PERMIT REQUIRE A CERTIFICATION OF THE WORK UPON COMPLETION, THE CONTRACTOR SHALL DETERMINE THE INDIVIDUAL RESPONSIBLE FOR PROVIDING THE CERTIFICATION. THE CONTRACTOR SHALL THEN BE RESPONSIBLE FOR COORDINATING WITH EACH INDIVIDUAL IDENTIFIED ON THE LIST AND SCHEDULING HIS WORK TO ASSURE EACH INDIVIDUAL HAS SUFFICIENT OPPORTUNITY TO CONDUCT THE REQUIRED TESTS, OBTAIN REQUIRED MEASUREMENTS AND/OR PERFORM ANY SERVICES OR WORK REQUIRED TO PREPARE THE REQUIRED POST-CONSTRUCTION APPROVAL DOCUMENTS.
14. THE CONTRACTOR TO COORDINATE ALL WORK WITH ALL UTILITY COMPANIES AND/OR PUBLIC AGENCIES PROVIDING UTILITY SERVICE, AS APPLICABLE, AND ABIDE BY ALL OF THEIR REQUIREMENTS RELEVANT TO THE PROJECT. IN THE EVENT OF A CONFLICT BETWEEN ANY SPECIFICATIONS AND THE INFORMATION SHOWN ON THESE PLANS, THE DESIGN ENGINEER AND THE OWNER SHALL BE NOTIFIED IN ORDER TO RESOLVE THE CONFLICT PRIOR TO ANY CONSTRUCTION.
15. PRIOR TO ANY CONSTRUCTION, THE HORIZONTAL LIMITS OF THE WORK (LIMITS OF DISTURBANCE - LOD) SHALL BE ESTABLISHED AND SILT FENCE IS TO BE INSTALLED. DISTURBANCE BEYOND THESE PERMITTED LIMITS EXPOSES THE CONTRACTOR TO FINES AND PENALTIES BY REGULATORY AGENCIES.
16. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE LOCAL SOIL CONSERVATION DISTRICT'S REQUIREMENTS. AS NOTED ON THE PLAN, THE LIMIT OF DISTURBANCE IS OVER 5,000 SQUARE FEET THEREFORE SESC CERTIFICATION IS REQUIRED. CONTRACTOR TO NOTIFY THE APPLICABLE SOIL CONSERVATION DISTRICT IN WRITING AT LEAST 10 BUSINESS DAYS PRIOR TO ANY SITE PREPARATION OR CONSTRUCTION ACTIVITIES.
17. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION, SHOULD THERE BE ANY SUSPECTED DISCREPANCIES WITH THE TOPOGRAPHY DEPICTED ON THE PLANS AND ACTUAL PHYSICAL CONDITIONS. ANY UNCONFIRMED DISCREPANCY IDENTIFIED BY THE CONTRACTOR'S VERIFICATION SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION PRIOR TO ANY SITE DISTURBANCE. ONCE ANY SITE DISTURBANCE OCCURS, THE CONTRACTOR SHALL HAVE NO CLAIM FOR EXTRA WORK BASED UPON SUSPECTED OR UNCONFIRMED TOPOGRAPHIC DISCREPANCIES.
18. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AND FOR DETERMINING THE MEANS AND METHODS FOR ALL CONSTRUCTION ACTIVITIES. ALL SAFETY PRECAUTIONS MUST BE UNDERTAKEN AND MAINTAINED AS REQUIRED BY LOCAL, STATE AND FEDERAL CODES.
19. CONTRACTOR TO COMPLY WITH THE TRAFFIC CONTROL PLAN, IF PROVIDED. IF A TRAFFIC CONTROL PLAN IS NOT PROVIDED, THE CONTRACTOR SHALL DETERMINE AND COMPLY WITH ANY AND ALL TRAFFIC CONTROL REQUIREMENTS OF THE LOCAL POLICE DEPARTMENT AND ANY PUBLIC AGENCY HAVING JURISDICTION RELEVANT TO ANY CONSTRUCTION IN OR NEAR PUBLIC STREETS AS WELL AS FOR INGRESS AND EGRESS DURING CONSTRUCTION.
20. THE CONTRACTOR SHALL PROVIDE NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL MEASURES AS MAY BE NECESSARY WITHIN THE PROJECT FOR THE PROTECTION AND SAFETY OF THE PUBLIC. ALL SUCH TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED IN SATISFACTORY CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
21. ALL HOPE TO BE N-12 DOUBLE WALL, [SOIL TIGHT, WATER TIGHT] CORRUGATED PIPE AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, OR APPROVED EQUAL. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE TO APPLICABLE MANUFACTURERS' SPECIFICATIONS.
22. THE PROPOSED IMPROVEMENTS HAVE BEEN DESIGNED WITH THE INTENT TO COMPLY WITH ALL APPLICABLE REQUIREMENTS FOR BARRIER FREE ACCESS, INCLUDING THE SATISFying OF ALL REQUIREMENTS OF THE NEW JERSEY INTERNATIONAL BUILDING CODE, CHAPTER 11, AS WELL AS THE AMERICANS WITH DISABILITIES ACT (ADA). IN GENERAL, BARRIER FREE ACCESS FOR SITE CONSTRUCTION IS TO BE PROVIDED BETWEEN ALL PAVED AREAS FOR THE CONTRACTOR (OR OWNER) AND PREPARED BY AN ENGINEER LICENSED IN NEW JERSEY.
23. THE CONTRACTOR SHALL VERIFY THE ROUTES REQUIRED TO BE BARRIER FREE WITH THE LOCAL BUILDING CODE OFFICIAL. SHOULD ANY IDENTIFIED ROUTES CONFLICT WITH THE GRADING SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER FOR RESOLUTION PRIOR TO ANY CONSTRUCTION.
24. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETED CONSTRUCTION ALONG BARRIER FREE ROUTES COMPLYING WITH ALL APPLICABLE REQUIREMENTS OF NJBC CHAP 11, WHETHER SPECIFICALLY STATED ON THE PLANS OR NOT. IN PARTICULAR, THE FOLLOWING REQUIREMENTS ARE NOTED:
- a. SLOPES WITH ACCESSIBLE PARKING SPACES AND ADJACENT ACCESS AREAS SHALL NOT EXCEED TWO PERCENT (2%) IN ANY DIRECTION.
 - b. SLOPES FOR CURB RAMPS SHALL NOT EXCEED 1:12 (8.3%).
 - c. THE EXTERIOR SIDE OF ALL BUILDINGS AND/OR ACCESSIBLE GRADING SHALL HAVE A LANDINGS SLOPED FOR POSITIVE DRAINAGE AT TWO PERCENT (2.0%) MAX. FOR DOORS & GATES WITH A STRAIGHT APPROACH SIDEWALK, THE LANDING SHALL BE A MINIMUM OF 5' LONG BEFORE BREAKING GRADE TO A SLOPED SIDEWALK. THE WIDTH SHALL BE AS SHOWN ON THE PLANS. IF THERE IS A DISCREPANCY BETWEEN ARCHITECTURAL PLANS AND SITE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER FOR RESOLUTION OF THE DISCREPANCY PRIOR TO ANY CONSTRUCTION FOR THE LANDING OR ASSOCIATED WALKWAY. NOTE THAT THE WIDTH IS NOT NECESSARILY CENTERED ON THE DOOR OR GATE. AS MINIMUM CLEARANCES ARE REQUIRED ON THE HANDLE SIDE (OPPOSITE THE HINGE SIDE), EACH BARRIER FREE ROUTE SHALL BE MAINTAINED FOR A MINIMUM OF 3' CLEARANCE FROM THE CURB. CURB RAMP SLOPES SHALL BE CONSIDERED WITH A LONGITUDINAL DIRECTION OF ROUTE SLOPE NO GREATER THAN 1:20 (5%). CROSS SLOPE SHALL NOT EXCEED TWO PERCENT (2.0%). IN TURNING AREAS, CROSS SLOPE MUST BE LESS THAN 2.0 % IN ALL DIRECTIONS. WHERE SHOWN ON THE PLANS AND WHERE THE GRADING ALONG THE PATH OF TRAVEL EXCEEDS 5%, A RAMP WITH A MAXIMUM SLOPE OF 1:12 (8.3%) SHALL BE CONSTRUCTED, HAVING A MAXIMUM RISE OF 30 INCHES. HAND RAILS COMPLYING WITH NJBC CHAP 11 REQUIREMENTS SHALL BE INSTALLED FOR ALL SUCH RAMPS, EXCEPT CURB RAMPS AT PAVEMENT EDGES.
 - d. REFER TO THE DETAIL SHEETS FOR LANDINGS AT CURB RAMPS. ALL OTHER RAMPS SHALL BE PROVIDED WITH LANDINGS AT EACH END AND EACH LANDING SHALL BE AT LEAST FIVE FEET LONG WITH A WIDTH MATCHING THE WIDTH OF THE RAMP. LANDINGS SHALL SLOPE NO MORE THAN TWO PERCENT (2%) IN ANY DIRECTION.
25. THE CONTRACTOR IS RESPONSIBLE FOR ASSURING ALL CONSTRUCTION ALONG BARRIER FREE ROUTES COMPLIES WITH ALL REQUIREMENTS PRIOR TO THE ACTUAL POURING OF CONCRETE ALONG BARRIER FREE ROUTES. THE CONTRACTOR SHALL CHECK ALL FORMWORK TO VERIFY COMPLIANCE WITH THE APPLICABLE BARRIER FREE REQUIREMENTS AND REQUEST CONFIRMATION OF SAME BY THE INSPECTING AUTHORITY.
26. THE DETAILS SHOWN ON THESE PLANS FOR RETAINING WALLS AND HAVE BEEN PREPARED FOR THE PURPOSE OF SITE PLAN REVIEW AND APPROVAL AND ARE NOT FOR CONSTRUCTION. STRUCTURAL DESIGNS FOR ALL WALLS SHALL BE PROVIDED BY THE CONTRACTOR (OR OWNER) AND PREPARED BY AN ENGINEER LICENSED IN NEW JERSEY.
27. A BUILDING PERMIT IS REQUIRED FOR ALL WALLS FOUR OR MORE FEET IN HEIGHT. CONTRACTOR (OR OWNER) IS RESPONSIBLE FOR SECURING SAID PERMIT(S).
28. BOTTOM OF WALL ELEVATIONS (BW) SHOWN ON THE PLANS INDICATE GROUND ELEVATION AT TIME OF WALL UPON COMPLETION OF CONSTRUCTION. FINISH ELEVATIONS TO BE

PRELIMINARY AND FINAL SITE PLANS FOR
IMPROVEMENTS TO RUNNYMEDE GARDENS
BLOCK 2303, LOT 1 (REMAINING PORTIONS OF PROPERTY INCLUDE
BLOCK 2301, LOT 20; BLOCK 2302, LOT 1; & BLOCK 2304, LOT 11)
ZONE: A-1 (MULTI-FAMILY LOW RISE)
TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY

OWNER/APPLICANT:

CAM GAR AT VERONA, LLC
16 MICROLAB ROAD
LIVINGSTON, NJ 07039

APPROVALS:

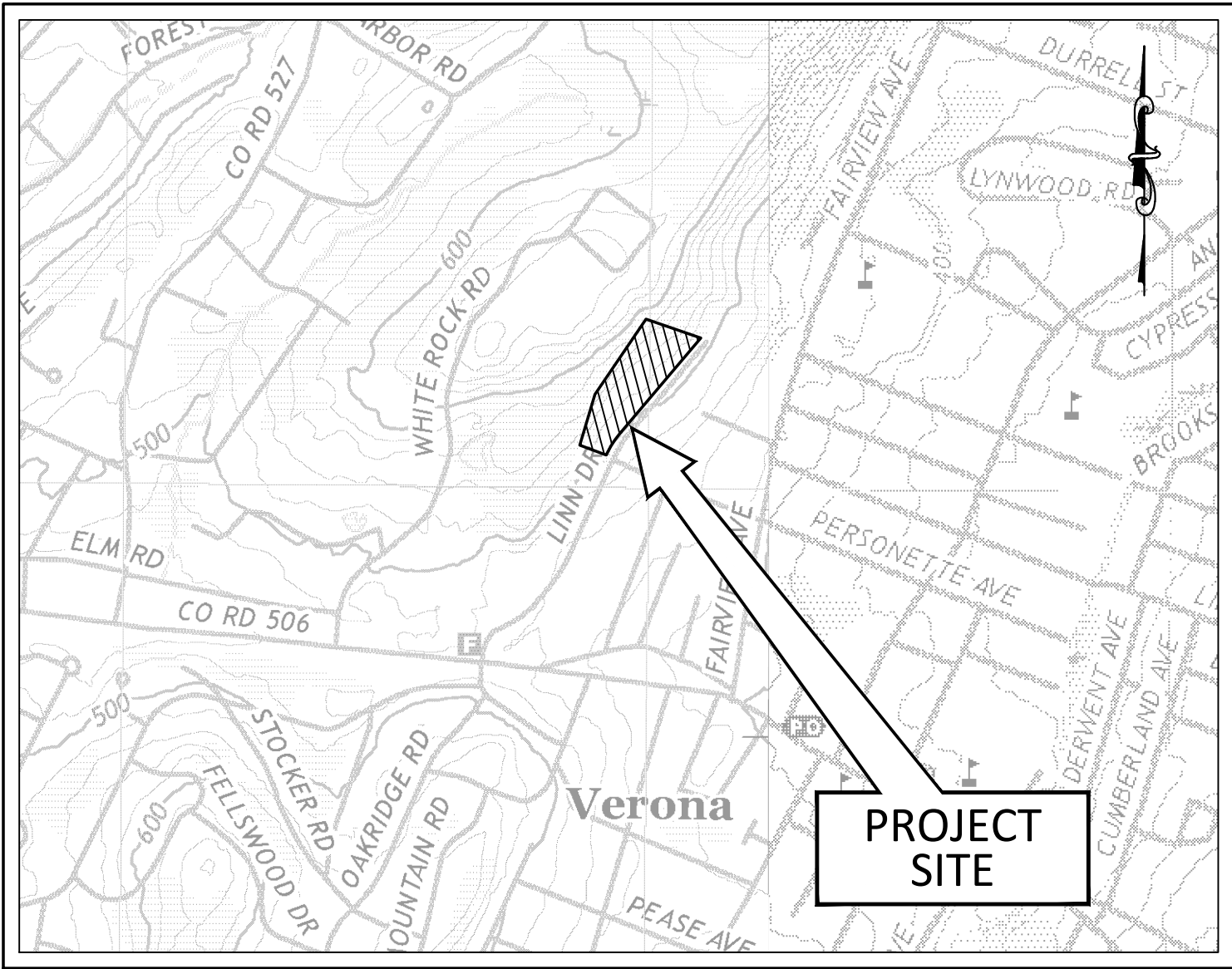
I HAVE REVIEWED THIS SITE PLAN AND CERTIFY THAT IT COMPLIES WITH ALL APPROVALS GRANTED BY THE APPROVING AUTHORITY.

TOWNSHIP ENGINEER	DATE
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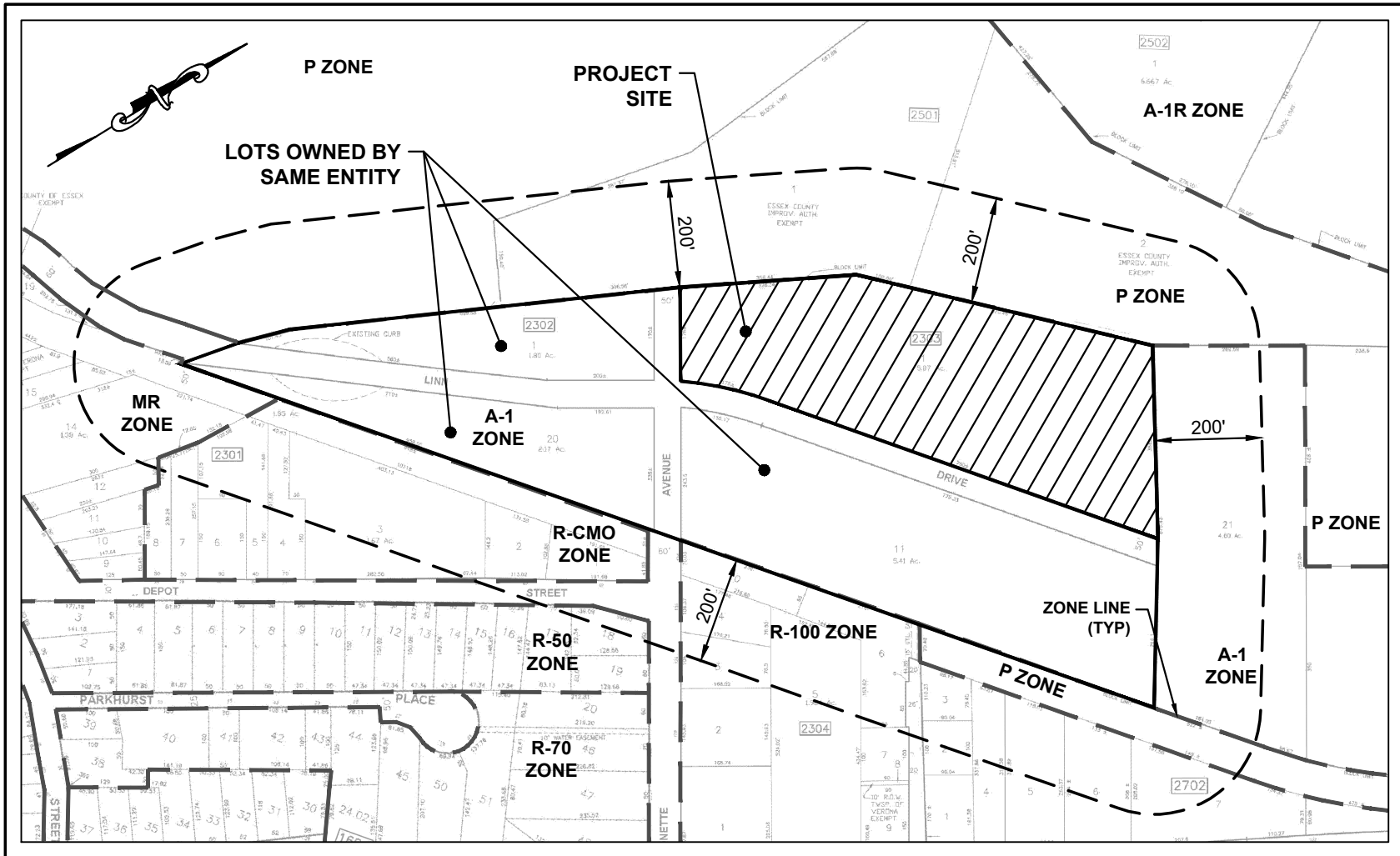
APPROVED BY THE TOWNSHIP OF VERONA BOARD OF ADJUSTMENT.

CHAIRMAN	DATE
----------	------

SECRETARY	DATE
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(REFERENCE: CALDWELL & ORANGE, NJ USGS MAP)
LOCATION MAP
SCALE: 1"= 1,000'



(REFERENCE: TOWNSHIP OF VERONA TAX MAP SHEETS 23, 25 & 27)

ZONING MAP
SCALE: 1" = 300'

THESE PLANS ARE NOT TO BE USED
FOR BID OR CONSTRUCTION

SEE SHEET 1 OF THIS SET FOR
GENERAL NOTES AND REFERENCES

PRELIMINARY AND FINAL SITE PLANS FOR
IMPROVEMENTS TO RUNNYMEDE GARDENS
COVER SHEET / LOCATION MAP / KEY MAP
BLOCK 2303, LOT 1 (REMAINING PORTIONS OF PROPERTY INCLUDE
BLOCK 2301, LOT 20; BLOCK 2302, LOT 1; & BLOCK 2304, LOT 11)
TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY

DATE: 04/28/21

PROJECT NO.: 201006

SHEET NO.:

1 OF 10

MICHAEL J. ROTH

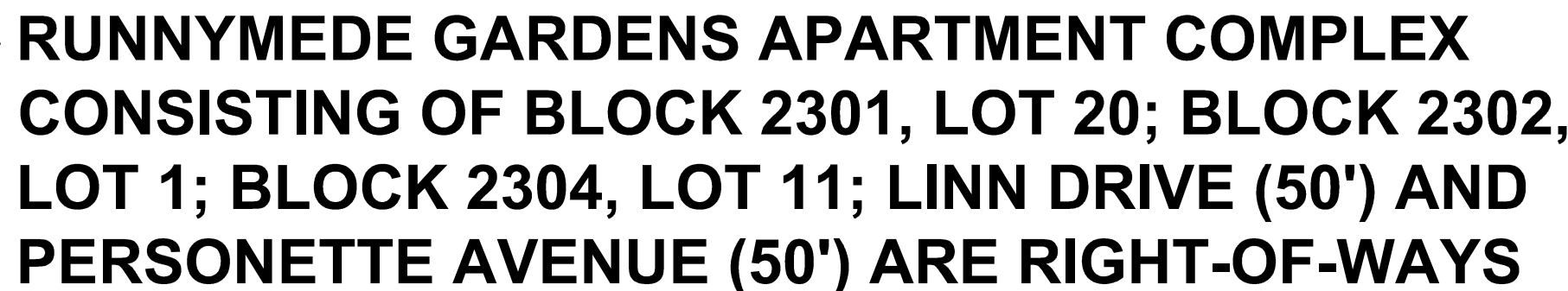


ROTH
ENGINEERING

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE05262600

NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28309800
ROTH ENGINEERING, LLC
52 QUAIL RUN, LONG VALLEY, NJ 07853
PHONE: 973-715-7427
EMAIL: MIKE@ROTHENGINEERS.COM

PHONE: 973-715-7427
EMAIL: MIKE@BOTHENGINEERS.COM



SUBJECT PROPERTY
BLOCK 2303, LOT 1

**AREA OF PROPOSED
IMPROVEMENTS, LIMIT OF
DISTURBANCE = 0.42 ACRES**

**PERSONETTE AVENUE
(50') RIGHT-OF-WAY
(SEE NOTE BELOW)**

**LINN DRIVE
(50') RIGHT-OF-WAY
(SEE NOTE BELOW)**

MAP REFERENCE & NOTE: BOUNDARY SURVEY SHOWN HEREON TAKEN FROM PLAN ENTITLED "ALTA/ACSM LAND TITLE SURVEY, MAP OF PROPERTY SITUATED AT 34 LINN DRIVE, TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY, BLOCK 128/125 LOTS 25, 26, 27/1" PREPARED BY GEORGE J. ANDERSON, LLC. PROFESSIONAL LAND SURVEYORS DATED APRIL 10, 2008. THIS MAP IS SHOWN TO ILLUSTRATE THE ENTIRE RUNNYMEDE GARDENS APARTMENT COMPLEX AND DOES NOT REFLECT THE CURRENT LOT CONFIGURATION. THE LINN DRIVE AND PERSONETTE AVENUE RIGHT-OF-WAYS ARE REFLECTED IN THE BOUNDARY DEED AND WAS SEPARATE FROM WHEN THIS SURVEY WAS PREPARED. THE SUBJECT PROPERTY IS BLOCK 2303, LOT 1 AS SHOWN ON CURRENT TOWNSHIP TAX MAP #23.

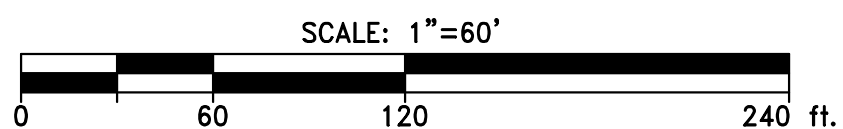
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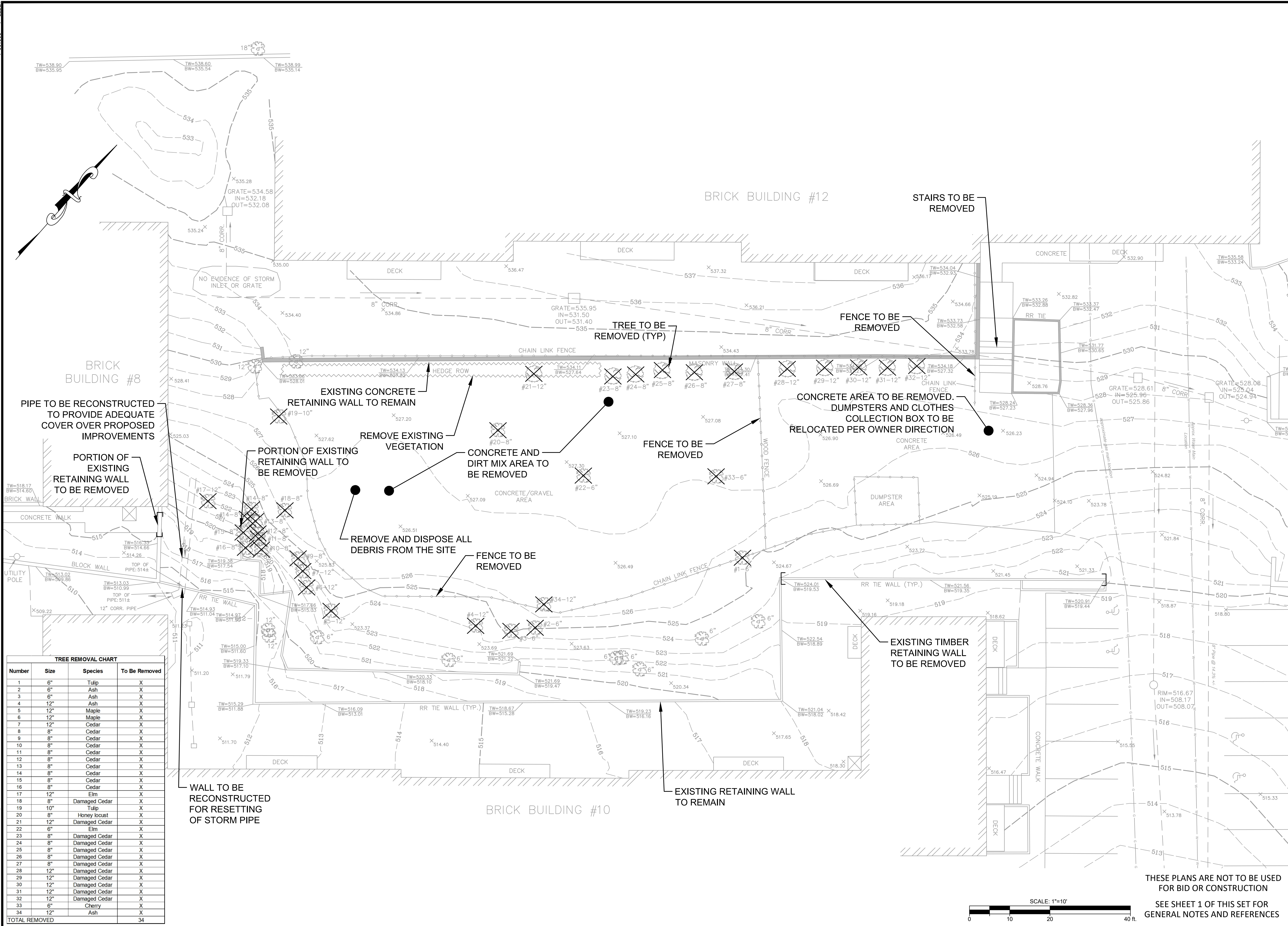
ZONING TABLE			
BLOCK 2303, LOT 1			
TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY			
LOT AREA = 5.87 ACRES			
ZONE: A-1 (MULTIFAMILY - LOW RISE) ZONE DISTRICT			
EXISTING/PROPOSED USE: APARTMENTS			
PROPOSED IMPROVEMENTS: APARTMENT BUILDING CONTAINING TWO UNITS, OUTDOOR GRILL AREA, SURFACE PARKING AREA, AND DUMPSTER ENCLOSURE ADJACENT TO BUILDINGS 8, 10 & 12			
BULK REQUIREMENTS	PERMITTED	EXISTING	PROPOSED
Minimum Lot Size	4.0 Acres	5.87 Acres	NO CHANGE
Minimum Lot Width	150 Ft.	188 Ft.	NO CHANGE
Minimum Front Yard Setback	40 Ft.	41.5 Ft.	NO CHANGE
Minimum Side Yard Setback	22.5 Ft. (The minimum side yard setback on a corner lot shall be at least 1.5 times the minimum yard requirement of 15 feet.)	27.32 Ft.	NO CHANGE
Minimum Rear Yard Setback	25 Ft.	45.97 Ft.	NO CHANGE
Maximum Building Height	2.5 Stories / 35 Feet	2.5 Stories / 29.5 Feet	NO CHANGE Proposed Apartment Building Height Calculation Finished floor to highest point of building is 25.6 feet (refer to architectural plans). Average ground elevation of the existing natural grade to finished floor is 2.1 feet. Building height = 25.6' + 2.1' = 27.7'
Maximum Lot (Building) Coverage	60%	16.1%	16.6%
Maximum Improved Lot (Impervious) Coverage	75%	45.3%	45.2%
Maximum Density	10 Units / Acre	86 Units / 5.87 Acres = 14.65 Units / Acre (Pre-existing nonconforming condition)	88 Units / 5.87 Acres = 14.99 Units / Acre (PREVIOUSLY APPROVED VARIANCE, SEE BELOW)
Minimum Parking Required	Per Residential Site Improvement Standards (RSIS) for Garden Apartments 1 Bedroom: 1.8 Spaces/Unit 2 Bedroom: 2.0 Spaces/Unit 3 Bedroom: 2.1 Spaces/Unit	252 Units Totals 202 1-Bedroom Units: 202 x 1.8 = 364 Spaces 50 2-Bedroom Units: 50 x 2.0 = 100 Spaces Total Parking Required = 464 Spaces 100 Garage Spaces 321 Surface Parking (Approximated from survey) 421 Total Spaces (Parking was conforming to prior zoning approval and predates RSIS)	Project Requires 4 Spaces based on Two 2-Bedroom Units: 2 x 2.0 = 4 Spaces Total Parking: 100 Garage Spaces 327 Surface Parking 427 Total Spaces
PREVIOUSLY APPROVED VARIANCE			
Maximum Density - Apartment House (Township Ordinance Chapter 150 - 17.709) D(5) VARIANCE (DENSITY) N.J.S.A. 40:55D-70D(5)		The maximum density for apartments houses is 10 dwelling units/acre where 14.65 units/acre is a pre-existing nonconforming condition and 14.99 units/acre is proposed and was previously approved per Resolution memorialized on January 8, 2015.	

EXISTING AND PROPOSED COVERAGES					
TOTAL LOT AREA (SF)	5.87 Acres				
Existing Coverages			Proposed Coverages		
Description	Area (SF)	Percentage	Description	Area (SF)	Percentage
Existing Apartment Buildings	41,281		Existing Apartment Buildings	41,281	
			Proposed Apartment Building	1,279	
Total Lot (Building) Coverage	41,281	16.1%	Total Lot (Building) Coverage	42,560	16.6%
			Increase in Lot (Building) Coverage	1,279	
Driveways and Parking Lots	41,492		Driveways and Parking Lots	41,492	
Walkways, Stairs & Landings	24,959		Walkway, Stairs & Landings	24,959	
Concrete Area (Refuse and Former Pool)	8,175		New Patio, Sidewalk & Pavement (Grill Area, Parking & Dumpster)	6,492	
Total Improved Lot (Impervious) Coverage	115,907	45.3%	Total Improved Lot (Impervious) Coverage	115,503	45.2%
			Decrease in Improved Lot (Impervious) Coverage	404	

Building Height	
FF to Highest Point (Refer to Arch. Plans)	25.6
Existing natural grade at corners (Refer to Grading Plan)	
1	527.6
2	527.3
3	526.5
4	526.5
5	526.5
Average Grade	526.9
FF	529.0
FF - Average Grade	2.1
Proposed Height	27.7



Z:\P\JETER\201006 - BNE Verona\DWG\201006-SITE.dwg 05/10/21 11:48:22AM, miker, LAYOUT SHEET 3

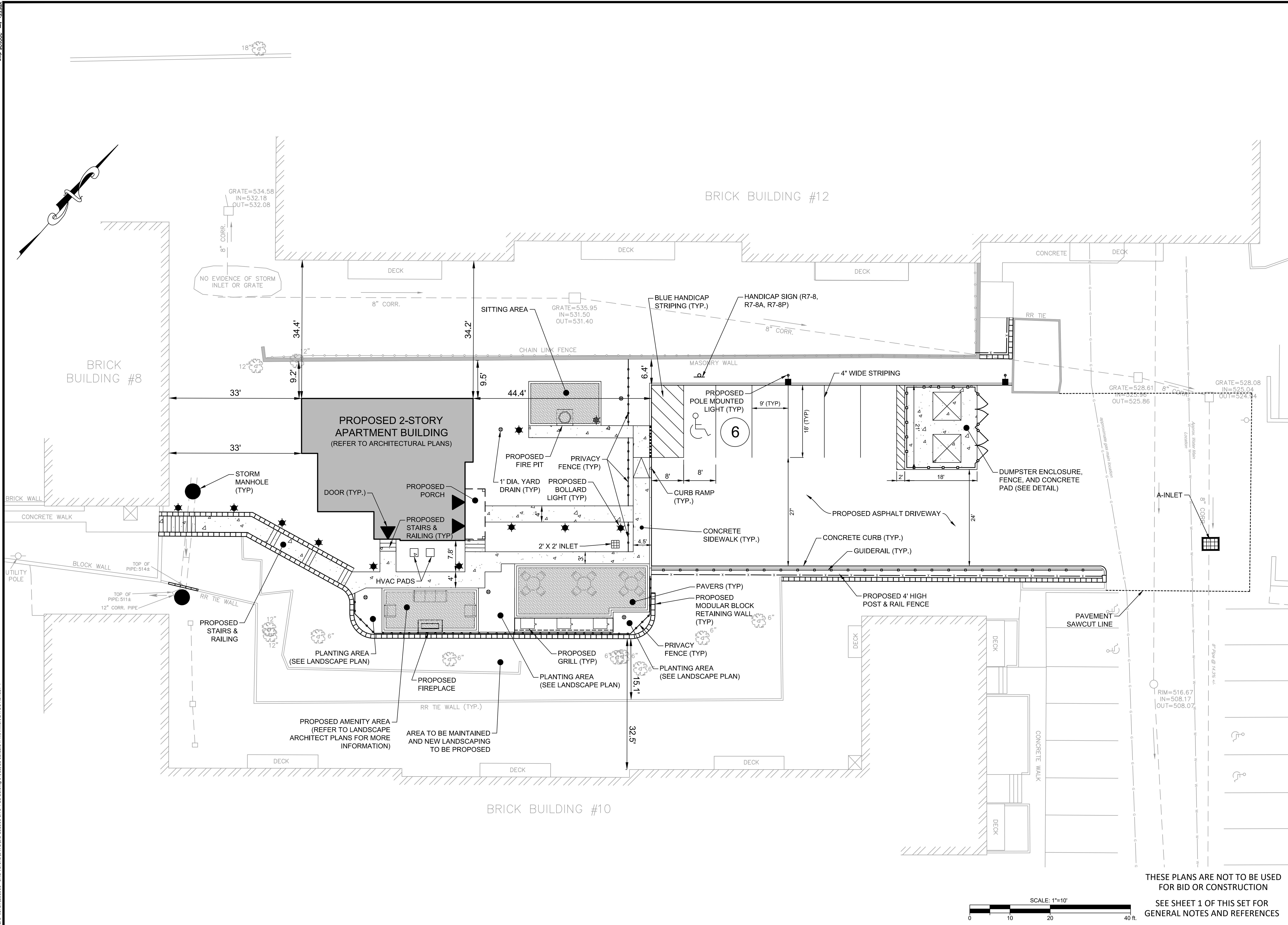


MICHAEL J. ROTH		PROFESSIONAL ENGINEER	
NEW JERSEY LICENSE NO. 24605262600		ALL RIGHTS RESERVED. COPY, REPRODUCTION OR DISTRIBUTION OF THIS PLAN OR ANY PORTION IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ROTH ENGINEERING, LLC.	
ROTH ENGINEERING		NJ CERTIFICATE OF AUTHORIZATION NO. 24604309800	
52 QUAL RUN, LONG VALLEY, NJ 07853		ROTH ENGINEERING, LLC	
EMAIL: MJE@ROTHENGINEERS.COM			
PRELIMINARY AND FINAL SITE PLANS FOR IMPROVEMENTS TO RUNNYMEDE GARDENS			
SITE PREPARATION PLAN			
BLOCK 2303, LOT 1 (REMAINING PORTIONS OF PROPERTY INCLUDE BLOCK 2301, LOT 20; BLOCK 2302, LOT 1; & BLOCK 2304, LOT 11)			
TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY			
DATE: 04/28/21		PROJECT NO.: 201006	
SHEET NO.:		3 OF 10	

THESE PLANS ARE NOT TO BE USED FOR BID OR CONSTRUCTION

SEE SHEET 1 OF THIS SET FOR GENERAL NOTES AND REFERENCES



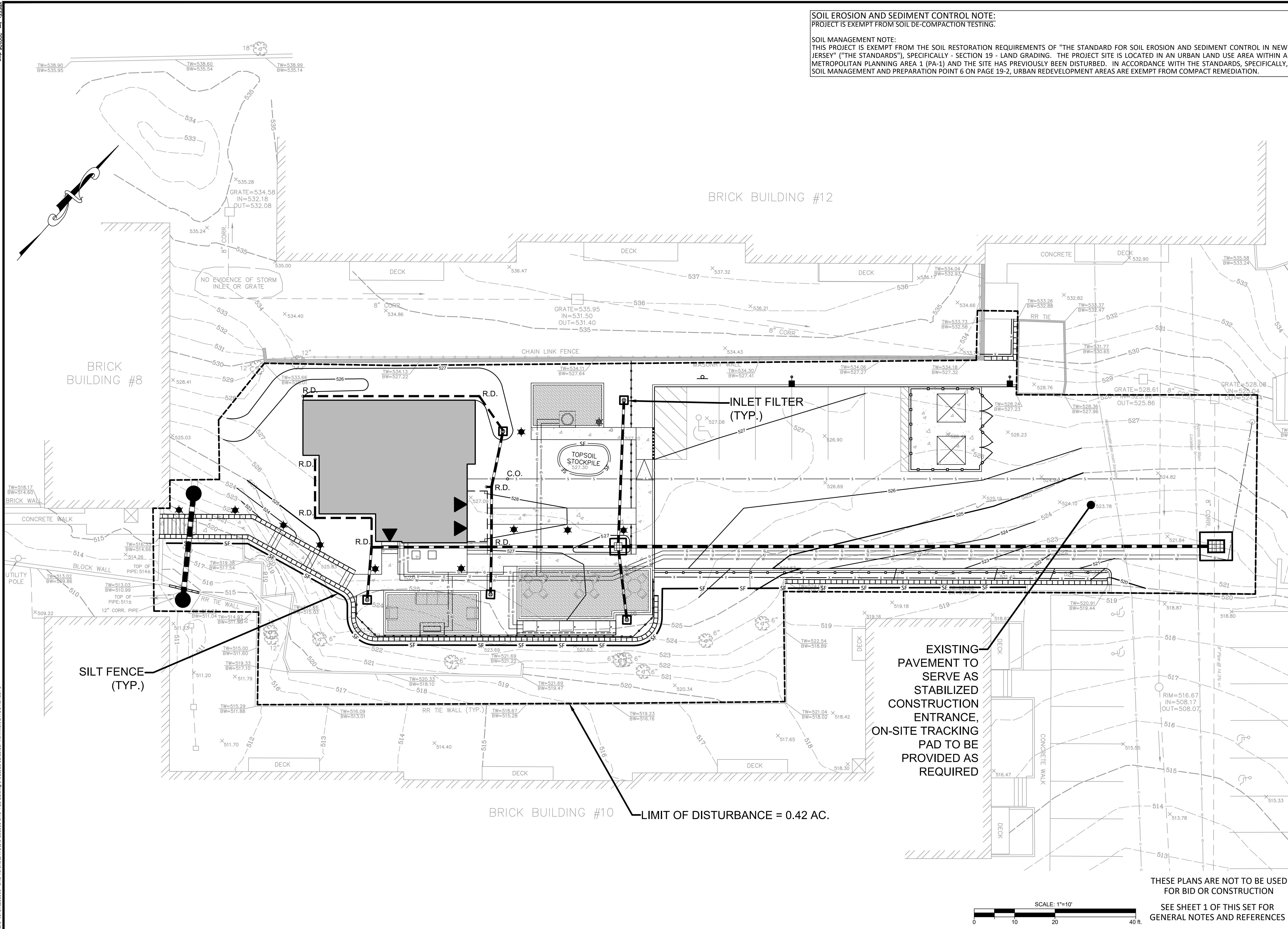




THESE PLANS ARE NOT TO BE USED
FOR BID OR CONSTRUCTION

SEE SHEET 1 OF THIS SET FOR
GENERAL NOTES AND REFERENCES

SOIL EROSION AND SEDIMENT CONTROL NOTE:
PROJECT IS EXEMPT FROM SOIL DE-COMPACTION TESTING.

SOIL MANAGEMENT NOTE:
THIS PROJECT IS EXEMPT FROM THE SOIL RESTORATION REQUIREMENTS OF "THE STANDARD FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY" ("THE STANDARDS"), SPECIFICALLY - SECTION 19 - LAND GRADING. THE PROJECT SITE IS LOCATED IN AN URBAN LAND USE AREA WITHIN A METROPOLITAN PLANNING AREA 1 (PA-1) AND THE SITE HAS PREVIOUSLY BEEN DISTURBED. IN ACCORDANCE WITH THE STANDARDS, SPECIFICALLY, SOIL MANAGEMENT AND PREPARATION POINT 6 ON PAGE 19-2, URBAN REDEVELOPMENT AREAS ARE EXEMPT FROM COMPACT REMEDIATION.

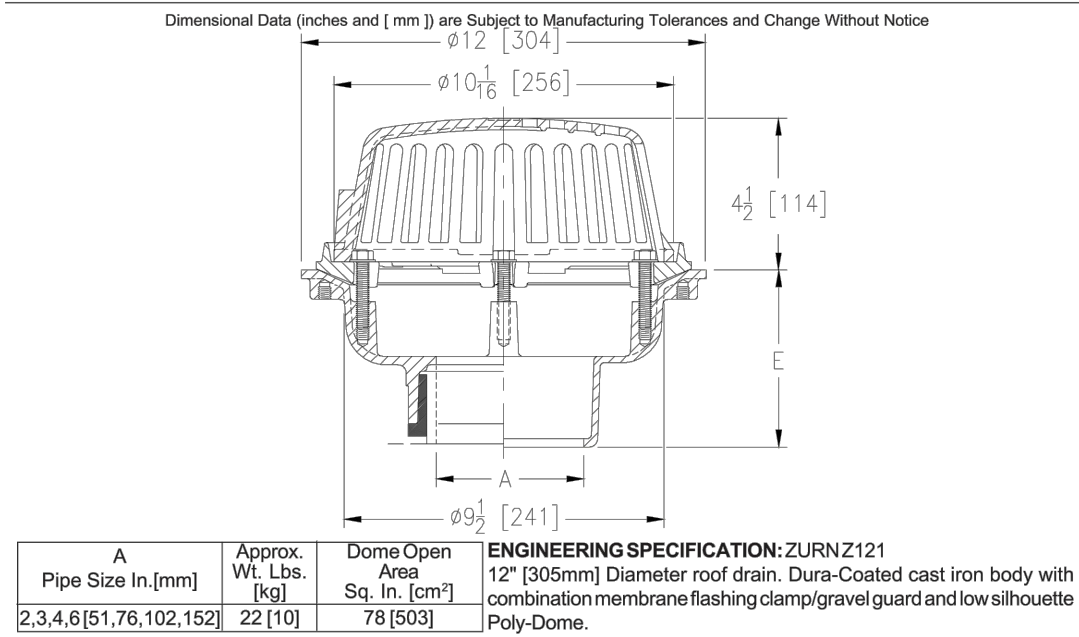


PRELIMINARY AND FINAL SITE PLANS FOR IMPROVEMENTS TO RUNNYMEDE GARDENS SOIL EROSION & SEDIMENT CONTROL PLAN BLOCK 2303, LOT 1 (REMAINING PORTIONS OF PROPERTY INCLUDE BLOCK 2301, LOT 20; BLOCK 2302, LOT 1; & BLOCK 2304, LOT 11) TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY	DATE: 04/28/21		
	PROJECT NO.: 201006		
	SHEET NO.:		
	<div style="display: flex; align-items: center; justify-content: center;"> 6 OF 10 </div>		
	ROTH ENGINEERING  NJ CERTIFICATE OF AUTHORIZATION NO. 24G4243039800 ROTH ENGINEERING, LLC 52 QUAIL RUN LONG VALLEY, NJ 07853 PHONE: 973-715-7427 EMAIL: MIKE@ROTHEENGINEERS.COM		
MICHAEL J. ROTH  PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 24GE05262600 ALL WORKS HEREON DONE IN ACCORDANCE WITH THE PROVISIONS OF THE N.J. ENGINEERING ACT AND THE RULES OF THE BOARD OF ENGINEERING EXAMINERS AND THE N.J. BOARD OF PROFESSIONAL ENGINEERING WRITTEN PERMISSION OF ROTH ENGINEERING, LLC			
REV #		DATE	REVISION

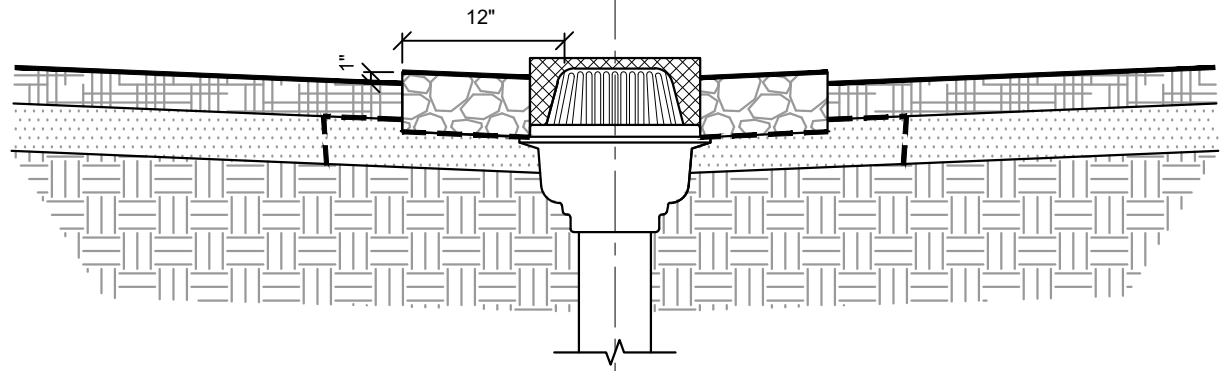
Z:\P\ETER\201006 - BNE\Verona\DWG\201006-DETAILS.dwg 04/28/21 02:02:28PM, miker, LAYOUT SHEET 9

Z121
12 [305] DIAMETER ROOF DRAIN
LOW SILHOUETTE DOME

SPECIFICATION SHEET
TAG _____

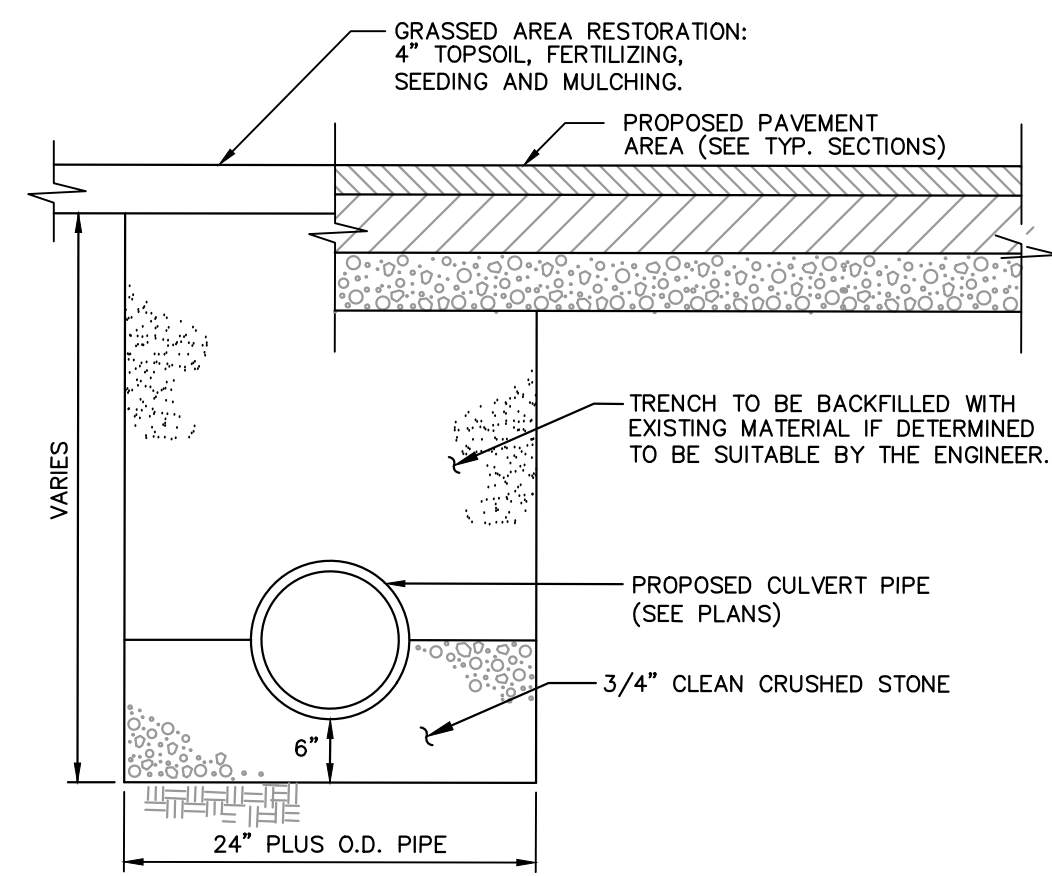


AREA DRAIN CUTSHEET DETAIL



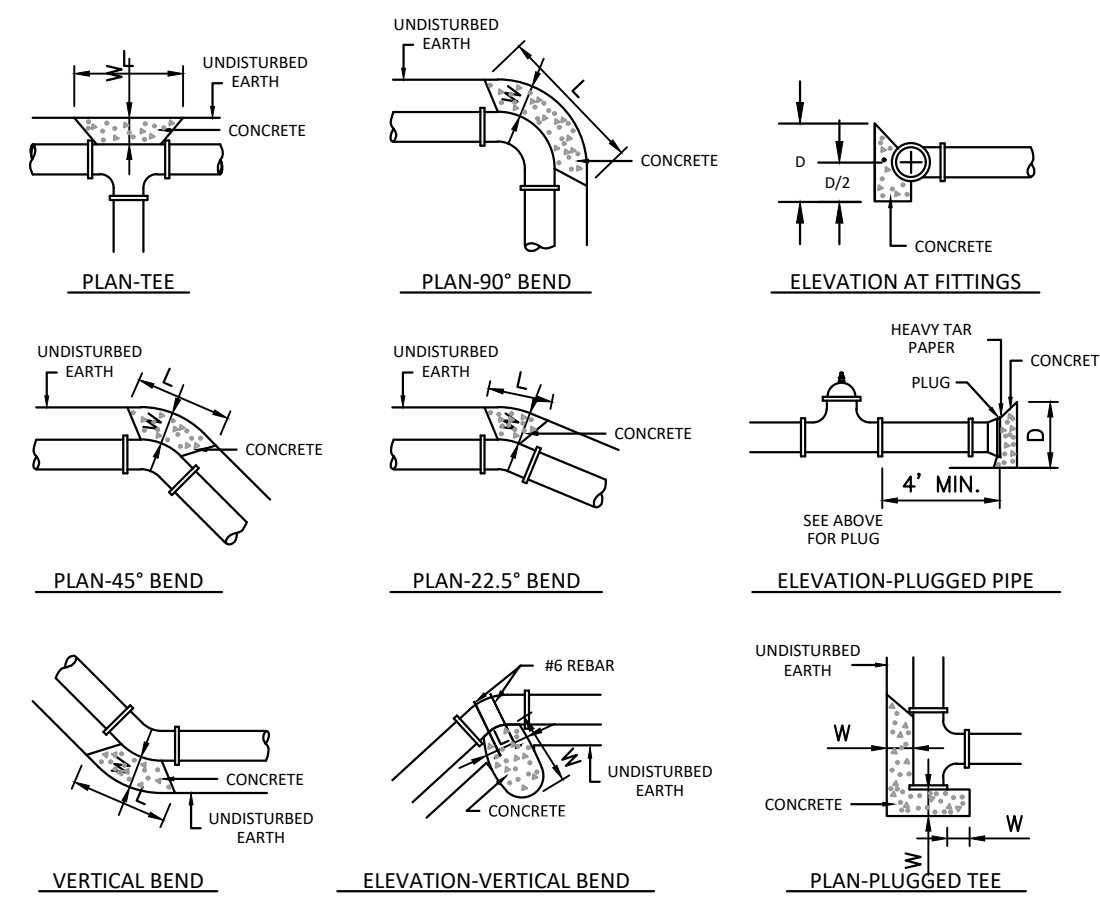
- NOTES:**
- CONTRACTOR SHALL SUPPLY AND INSTALL: AREA DRAIN MODEL NO. Z121-SS 12" DIAMETER DRAIN w/ STAINLESS STEEL MESH SCREEN OVER DOME. AS MANUFACTURED BY ZURN® www.ZURN.com 1-855-663-9876 (OR APPROVED EQUAL).
 - FOR DRAINS WITH INVERT ELEVATIONS SHOWN 12" DEEP OR GREATER, CONTRACTOR SHALL ORDER DRAIN w/ THE "NO HUB" OPTION AND INSTALL WITH FERNOC COUPLERS AND STANDARD SCH 40 PVC FITTINGS.
 - FOR TERMINAL DRAINS INVERTS WITH SHALLOW DEPTH INVERTS, (LESS THAN 12" DEEP AS INDICATED), CONTRACTOR SHALL PURCHASE THE "THREADED" VERSION AND ALSO A 6" 90° CAST IRON THREADED ELBOW MODEL NO. Z1042 ALSO AS MANUFACTURED BY ZURN (OR APPROVED EQUAL). ELBOW SHALL THEN CONNECT TO 6" SCH PVC PIPE WITH A FERNOC COUPLER.

AREA DRAIN WITH STONE COLLAR DETAIL



TYPICAL TRENCH DETAIL

N.T.S.



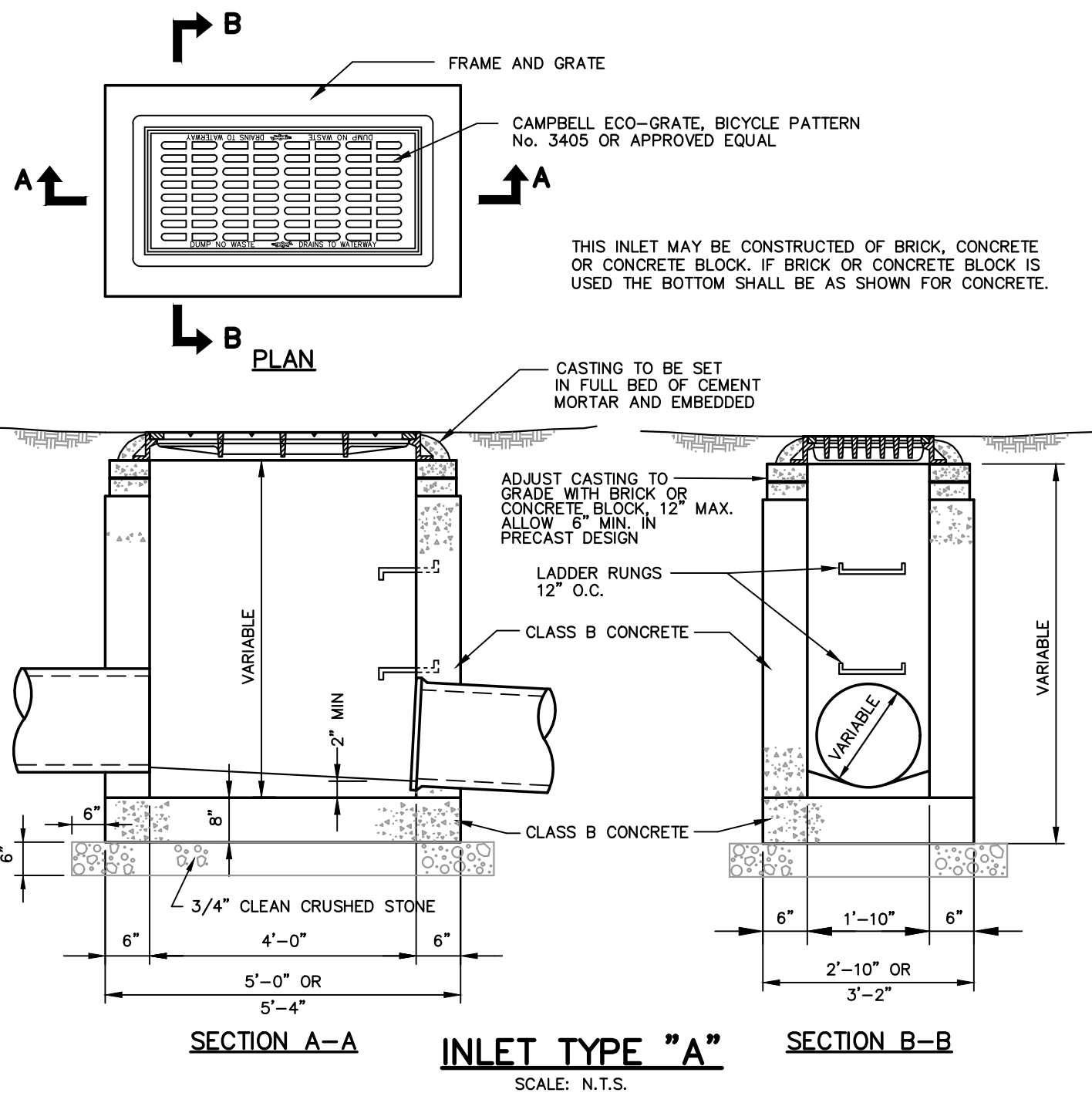
THRUST BLOCK SCHEDULE												
PIPE SIZE	TEE	22.5° BEND	45° BEND	90° BEND	L	D	L	D	L	D	L	W
6"	1'-3"	1'-3"	1'-6"	1'-0"	1'-6"	1'-0"	1'-6"	1'-4"	1'-3"	1'-9"		
8"	2'-0"	1'-6"	1'-6"	1'-0"	1'-6"	1'-0"	2'-0"	1'-6"	1'-6"	2'-0"		
10"	2'-6"	1'-9"	1'-9"	1'-0"	1'-9"	1'-0"	2'-6"	1'-9"	1'-9"	2'-3"		
12"	3'-0"	2'-0"	2'-0"	1'-0"	2'-0"	1'-0"	3'-0"	2'-0"	2'-4"			
16"	4'-0"	2'-6"	2'-0"	1'-6"	4'-0"	1'-6"	4'-0"	2'-6"	2'-7"			
20"	5'-3"	3'-0"	2'-0"	1'-6"	3'-0"	2'-0"	5'-3"	3'-0"	2'-9"			

BASIS:
2,000 LBS./SQ. FT. SOIL RESISTANCE
250 PSI WATER PRESSURE
CORRECTION FACTORS FOR OTHER SOILS:
SOFT CLAY 4
SAND 2
SAND & GRAVEL 1.33
SHALE 0.4

NOTE:
IF SOFT MATERIALS ARE ENCOUNTERED, THE THRUST BLOCK SIZES SHALL BE ADJUSTED ACCORDINGLY.
ALL THRUST BLOCK SHALL BE POURED IN FULL CONTACT WITH UNDISTURBED SOIL.

THRUST BLOCK DETAIL

N.T.S.

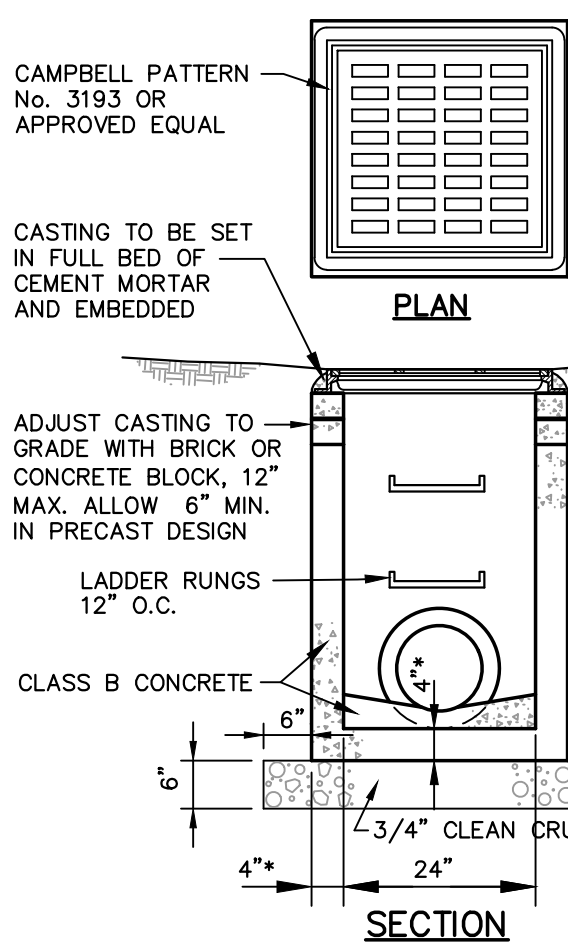


INLET TYPE "A"

SCALE: N.T.S.

INLET TYPE "B"

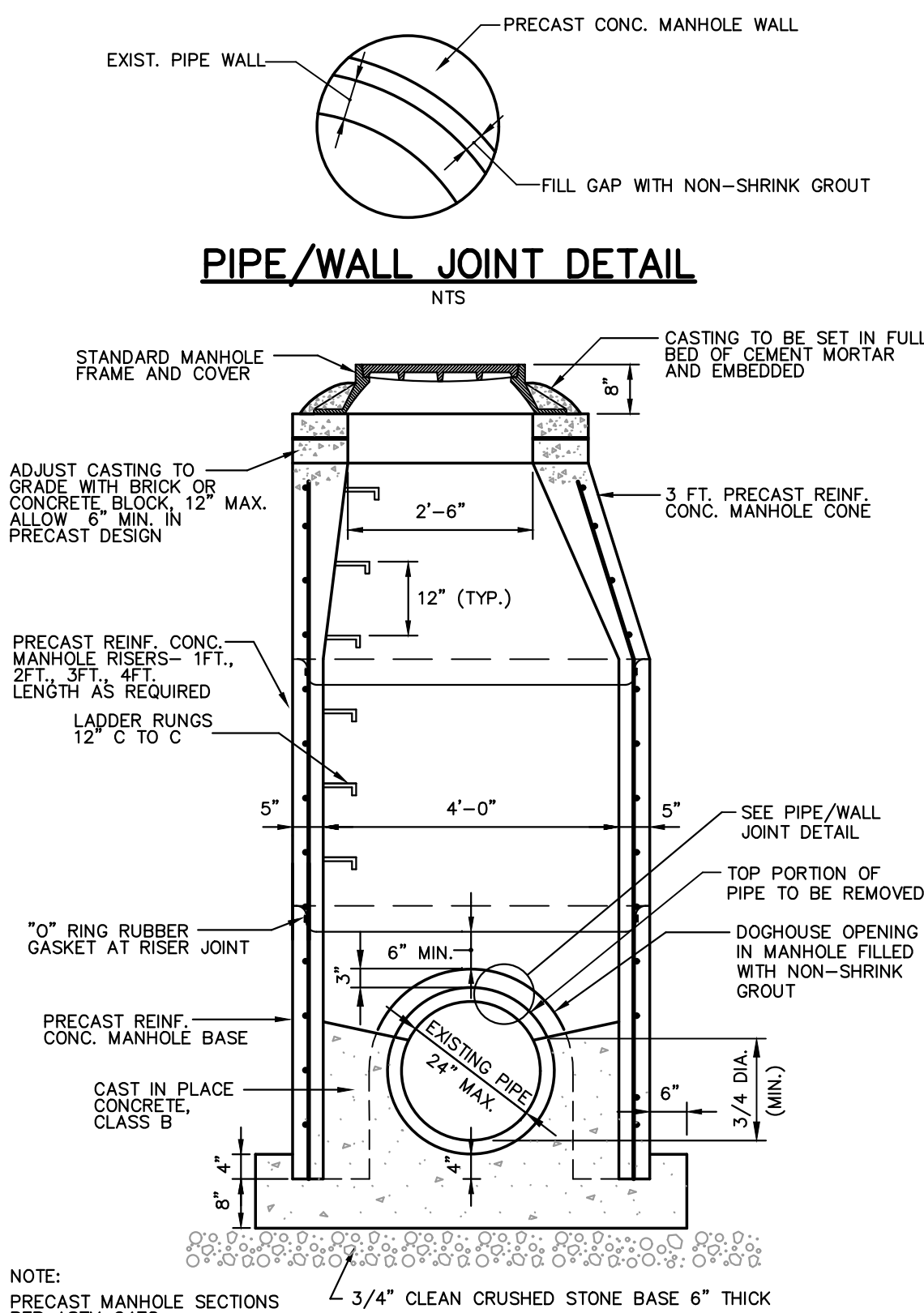
SCALE: N.T.S.



- NOTES:**
- THIS INLET MAY BE CONSTRUCTED OF BRICK, CONCRETE OR CONCRETE BLOCK. IF BRICK OR CONCRETE BLOCK IS USED THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE.
 - *WALLS SHALL BE 4" MIN. IF PRECAST AND 6" MIN. IF BLOCK.

2' X 2' CONCRETE YARD INLET

N.T.S.



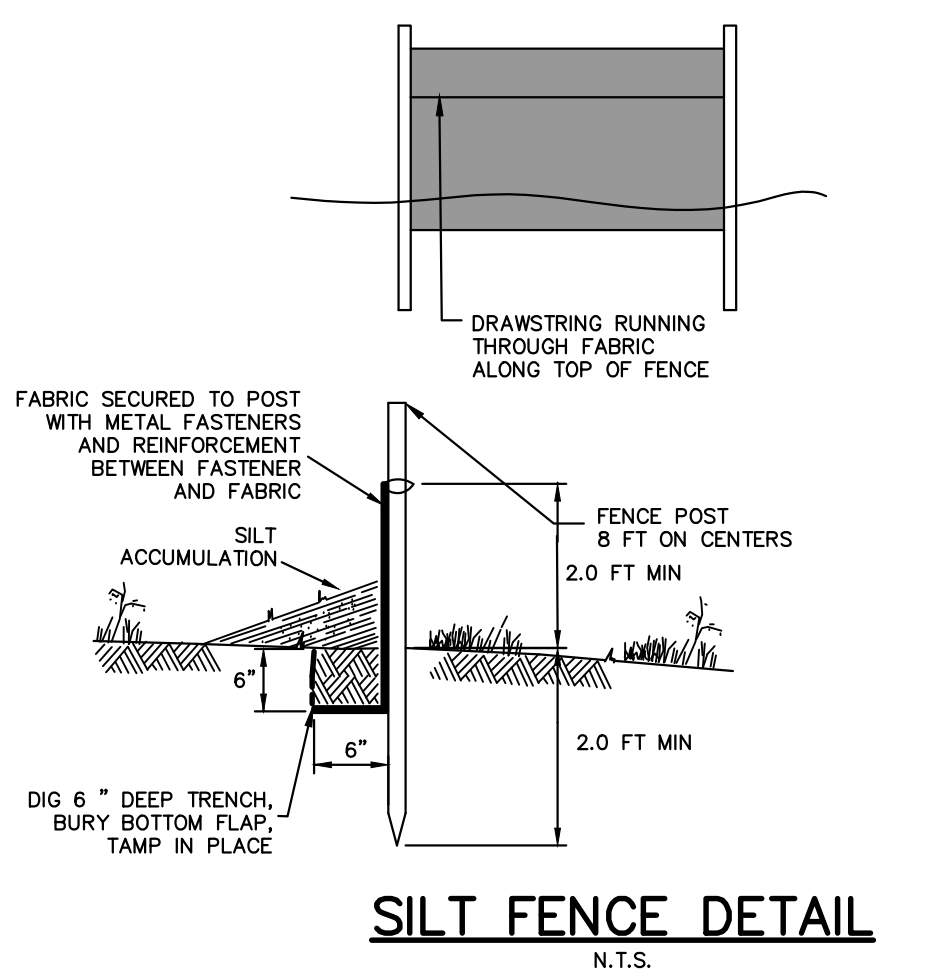
STORM MANHOLE, PRECAST (DOGHOUSE)
(STORM MANHOLE ON EXIST. PIPE)

SCALE: N.T.S.

NOTE:
PRECAST MANHOLE SECTIONS PER ASTM C478

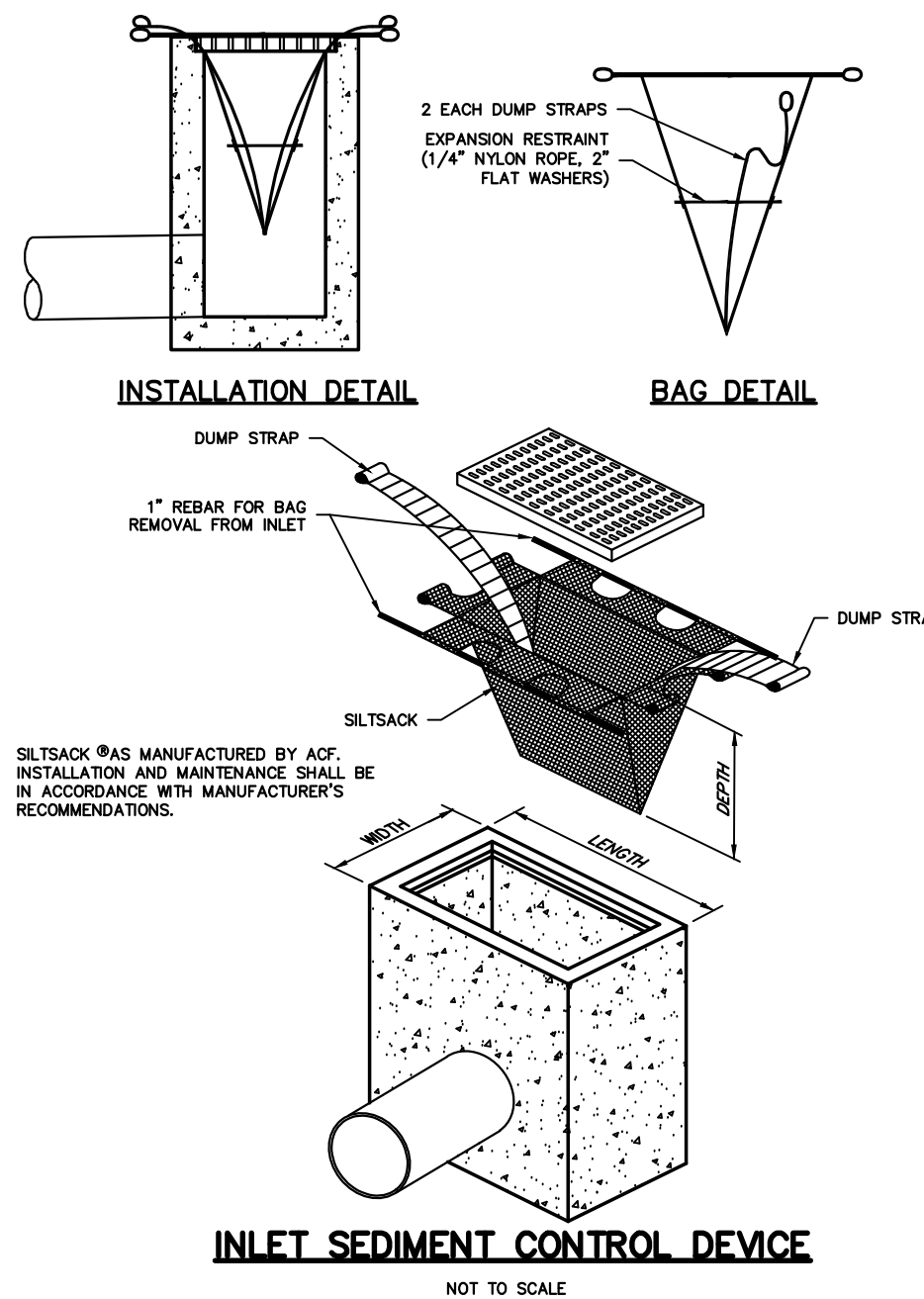
STORM MANHOLE, PRECAST (DOGHOUSE)
(STORM MANHOLE ON EXIST. PIPE)

SCALE: N.T.S.



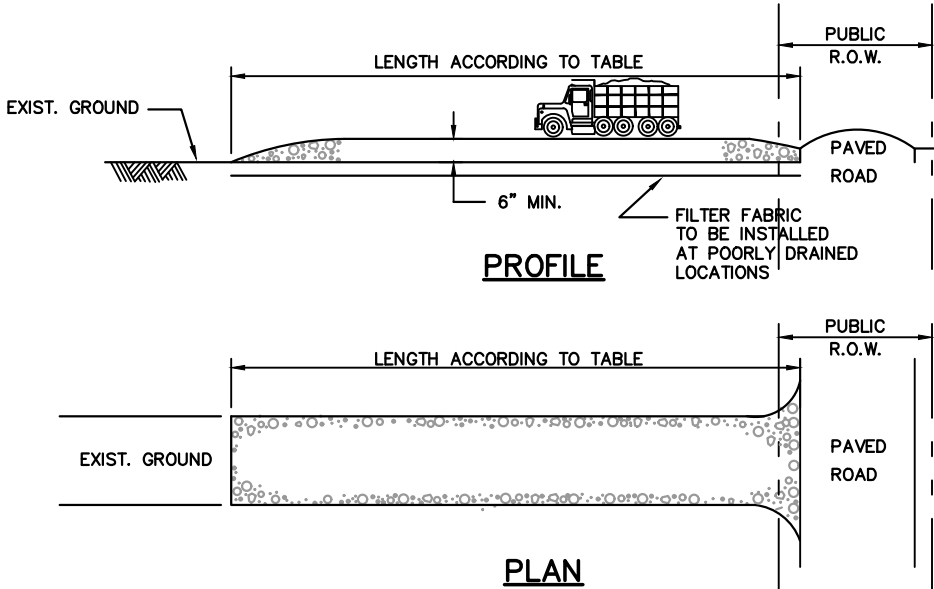
SILT FENCE DETAIL

N.T.S.



INLET SEDIMENT CONTROL DEVICE

NOT TO SCALE



NOTES:

STONE SIZE 1 1/2" - 2 1/2" CRUSHED STONE

WIDTH NOT LESS THAN FULL WIDTH AT POINTS OF EGRESS AND INGRESS.

WASHING: WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC R.O.W. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.

MAINTENANCE: - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R.O.W. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRAPPED ONTO PUBLIC R.O.W. MUST BE REMOVED IMMEDIATELY.

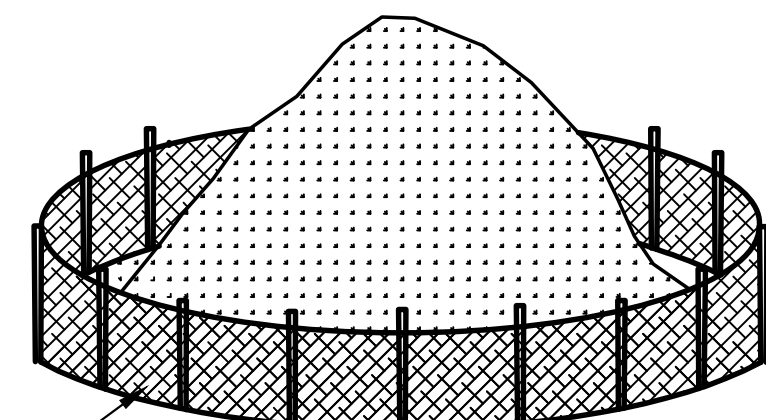
WHEN THE CONSTRUCTION ACCESS EXITS ONTO A MAJOR ROADWAY, A PAVED TRANSITION AREA MAY BE INSTALLED BETWEEN THE MAJOR ROADWAY AND THE STONED ENTRANCE TO PREVENT LOOSE STONES FROM BEING TRANSPORTED OUT ONTO THE ROADWAY BY HEAVY EQUIPMENT ENTERING OR LEAVING THE SITE.

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FL.	100FL.
2 TO 5%	100FL.	200FL.
>5%	ENTIRE SURFACE STABILIZED WITH HMA BASE COURSE MIX 1-2"	

1. AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY

STABILIZED CONSTRUCTION ENTRANCE (AS REQUIRED)

N.T.S.



TOPSOIL STOCK PILE DETAIL

REFER TO STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY - 6-1

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

- All soil erosion and sediment control practices on this plan will be constructed in accordance with the **"New Jersey Standards for Soil Erosion and Sediment Control"** 7th Edition **last revised July 2017, effective December 2017**. These measures will be installed prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
- Soil to be exposed or stockpiled for a period of greater than 14 days, and not under active construction, may be required to be temporarily mulched, and seeded or otherwise provided with vegetative cover as per Appendix A3. This temporary cover shall be maintained until such time whereby permanent revegetation is established.
- Seeding Dates:** The following seeding dates are recommended to best establish permanent vegetative cover within most locations in the HEPSCD: **Spring - 3/15-5/15** and **Fall - 8/15 - 10/1**
- Sediment fences are to be properly trenched and maintained until permanent vegetative cover is established
- All storm drainage inlets shall be protected by one of the practices accepted in the Standards, and protection shall remain until permanent stabilization has been established. Storm drainage outlet points shall be protected as required before they become functional.
- Mulch materials shall be un-rotted small grain straw applied at the rate of 70 to 90 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District.
- All erosion control devices shall be periodically inspected, maintained and corrected by the contractor. Any damage incurred by erosion shall be rectified immediately.
- The Hudson-Exeter-Passaic Soil Conservation District will be notified **in writing** at least 48 hours prior to any soil disturbing activities. **Fax - (862) 333-4507** OR email - **INFORMATION@HEPSCD.ORG**
- The applicant must obtain a District issued Report-of-Compliance prior to applying for the Certificate of Occupancy or Temporary Certificate of Occupancy from the respective municipality, NJ, DCA or any other controlling agency.** Contact the District at 862-333-4505 to request a Final Inspection, giving advanced notice upon completion of the revegetation measures. A performance deposit may be posted with the District when winter weather or snow cover prohibits the proper application of seed, mulch, fertilizer or hydro-seed.
- Paved roadways must be kept clean at all times. Do not utilize a fire or garden hose to clean roads unless the runoff is directed to a properly designed and functioning sediment basin. Water pumped out of the excavated areas contains sediments that must be removed prior to discharging to receiving bodies of water using removable pumping stations, sump pits, portable sedimentation tanks and/or silt control bags.
- All surfaces having lawn or landscaping as final cover are to be provided topsoil prior to re-seeding, sodding or planting. A depth of 5.0 inches, firm in place, is **required**, as per the Standards for Topsoiling and Land Grading, effective December 2017.
- All plan revisions must be submitted to the District for proper review and approval.

- A crushed stone wheel cleaning tracking-pad is to be installed at all site exits using 2 1/2"-1" crushed angular stone (ASTM 2 or 3) to a minimum length of 50 feet and minimum depth of 6". All driveways must be provided with crushed stone until paving is complete.
- Steep slopes incurring disturbance may require additional stabilization measures. These "special" measures shall be designed by the applicant's engineer and be approved by the Soil Conservation District.

- The Hudson-Exeter-Passaic Soil Conservation District shall be notified, in writing, for the sale of any portion of the project or for the sale of individual lots. New owners' information shall be provided. Additional measures deemed necessary by District officials shall be implemented as conditions warrant.**

<http://hepscdnj.org>
HEPSCD251SESCNOTES_7THEDREV2017.DOC

STANDARD FOR DUST CONTROL (Per Standards... Dust Control 16-1, May 2012)

DEFINITION:—The control of dust on construction sites and roads.

PURPOSE:— To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage and health hazards, and improve traffic safety.

CONDITION WHERE PRACTICE APPLIES:— This practice is applicable to areas subject to dust blowing and movement where on- and off-site damage is likely without treatment. Consult with local municipal ordinances on any restrictions.

WATER QUALITY ENHANCEMENT:—Sediments deposited as "dust" are often fine colloidal material which is extremely difficult to remove from water once it becomes suspended. Use of this standard will help to control the generation of dust from construction sites and subsequent blowing and deposition into local surface water resources.

PLANNING CRITERIA:— The following methods should be considered for controlling dust:

Mulches:—See Standards for Stabilization with Mulches Only (p. 5-1)

Vegetative Cover:—See Standards for Temporary Vegetative Cover (p. 7-1), Permanent Vegetative Cover for Soil Stabilization (p. 4-1) and Permanent Stabilization with Sod (p. 6-1)

Spray-on Adhesives:—On mineral soils (not effective on muck soils). Keep traffic off these areas.

Table 16-1: Dust Control Materials:

	Water Dilution	Type of Nozzle	Gal./Acre
Anionic asphalt emulsion	7:1	Coarse Spray	1,200
Latex Emulsion	12.5:1	Fine Spray	235
Resin in Water	4:1	Fine Spray	300
Polyacrylamide (PAM) — spray on	Apply according to manufacturer's instructions. May also be used as an additive to sediment basins to flocculate and precipitate suspended colloids. See Sediment Basin standard (pg 26-1).		
Polyacrylamide (PAM) — dry spray			
Acidulated Soy Bean Soap Stick	None	Coarse Spray	1,200

Tillage: To roughen surface and bring clods to the surface. This is a temporary emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, and spring-toothed harrows are examples of equipment which may produce the desired effect.

Sprikling: Site is sprinkled until the surface is wet.

Barriers: Solid board fences, snow fences, burlap fences, crate walls, bales of hay, and similar material can be used to control air currents and soil blowing.

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 use other practices to prevent washing into streams or accumulation around plants.

Stone: Cover surface with crushed stone or coarse gravel.

CONSTRUCTION SEQUENCE

- INSTALL SOIL EROSION AND SEDIMENT CONTROL DEVICES 1 DAY
- DEMOLISH EXISTING SITE FEATURES FOR NEW IMPROVEMENTS 1 MONTH
- ROUGH GRADE SITE 1 WEEK
- BEGIN BUILDING CONSTRUCTION 8 MONTHS
- INSTALL STORM SEWER SYSTEM AND UTILITIES 1 MONTH
- CONSTRUCT DRIVEWAY AND OTHER SITE FEATURES 1 MONTH
- FINE GRADE ALL AREAS TO SPECIFIED GRADES 1 WEEK
- PERMANENT SEED AND STABILIZED ALL AREAS 1 DAY
- REMOVE SOIL EROSION CONTROL DEVICES WHEN SITE IS STABILIZED 1 DAY
- APPROX. PROJECT DURATION 12 MONTHS

THESE PLANS ARE NOT TO BE USED
FOR BID OR CONSTRUCTION

SEE SHEET 1 OF THIS SET FOR
GENERAL NOTES AND REFERENCES

MICHAEL J. ROTH

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE NO. 24GE00262600

ALL WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THIS PLAN OR ANY PORTION IS PROHIBITED WITHOUT WRITTEN PERMISSION OF ROTH ENGINEERING, LLC.

ROTH ENGINEERING

ROTH ENGINEERING, LLC
52 QUAIL RUN, LONG VALLEY, NJ 07863
PHONE: 973-715-7427
EMAIL: MKE@ROTHENGINEERS.COM

PRELIMINARY AND FINAL SITE PLANS FOR
IMPROVEMENTS TO RUNNMEDE GARDENS
CONSTRUCTION DETAILS
BLOCK 2303, LOT 1 (REMAINING PORTIONS OF PROPERTY INCLUDE
BLOCK 2301, LOT 20; BLOCK 2302, LOT 1; & BLOCK 2304, LOT 11)
TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY

DATE: 04/28/21

PROJECT NO.: 201006

SHEET NO.:

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