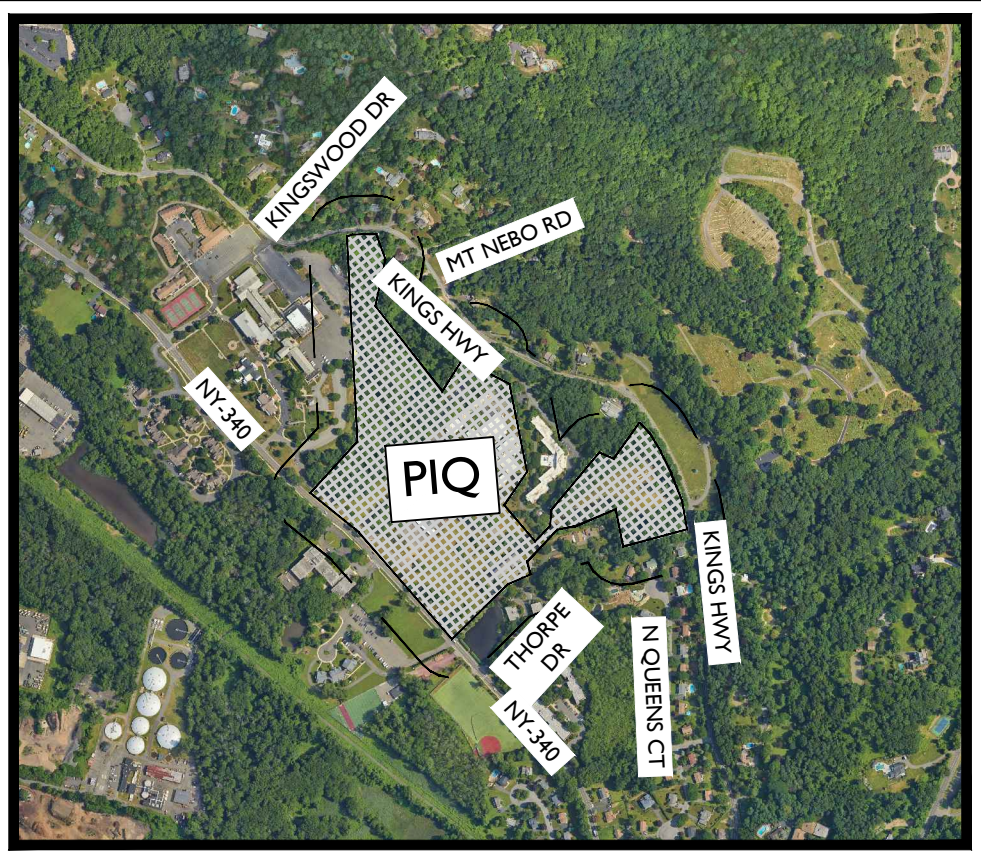
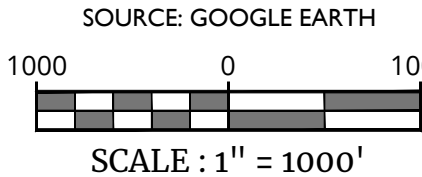


PRELIMINARY SITE PLAN
FOR
ST. THOMAS AQUINAS COLLEGE
PROPOSED TRACK & FIELD
SECTION 74.16, BLOCK 1, LOT 2.1
175 ROUTE 340
TOWN OF ORANGETOWN,
ROCKLAND COUNTY, NEW YORK

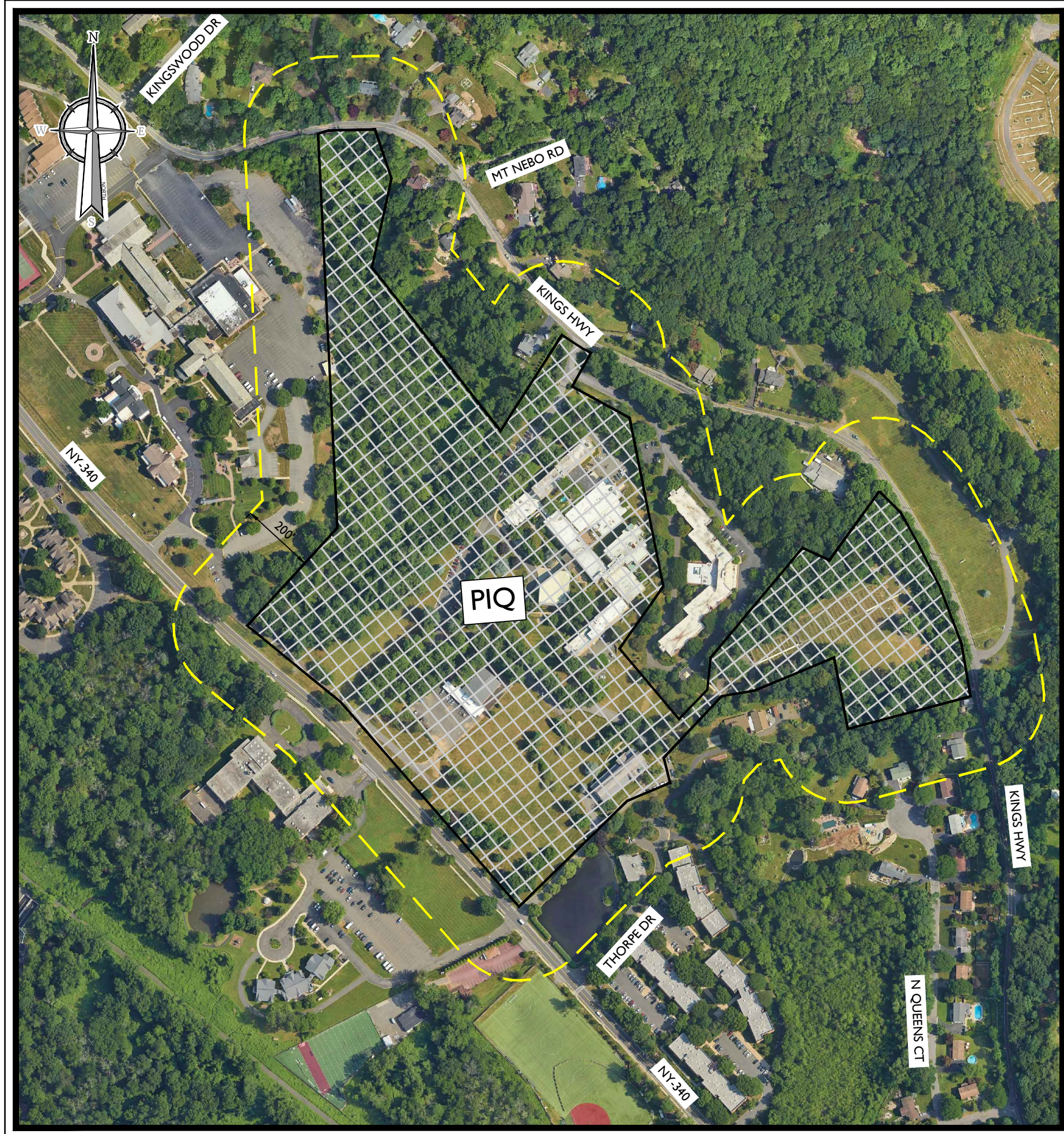


VICINITY MAP

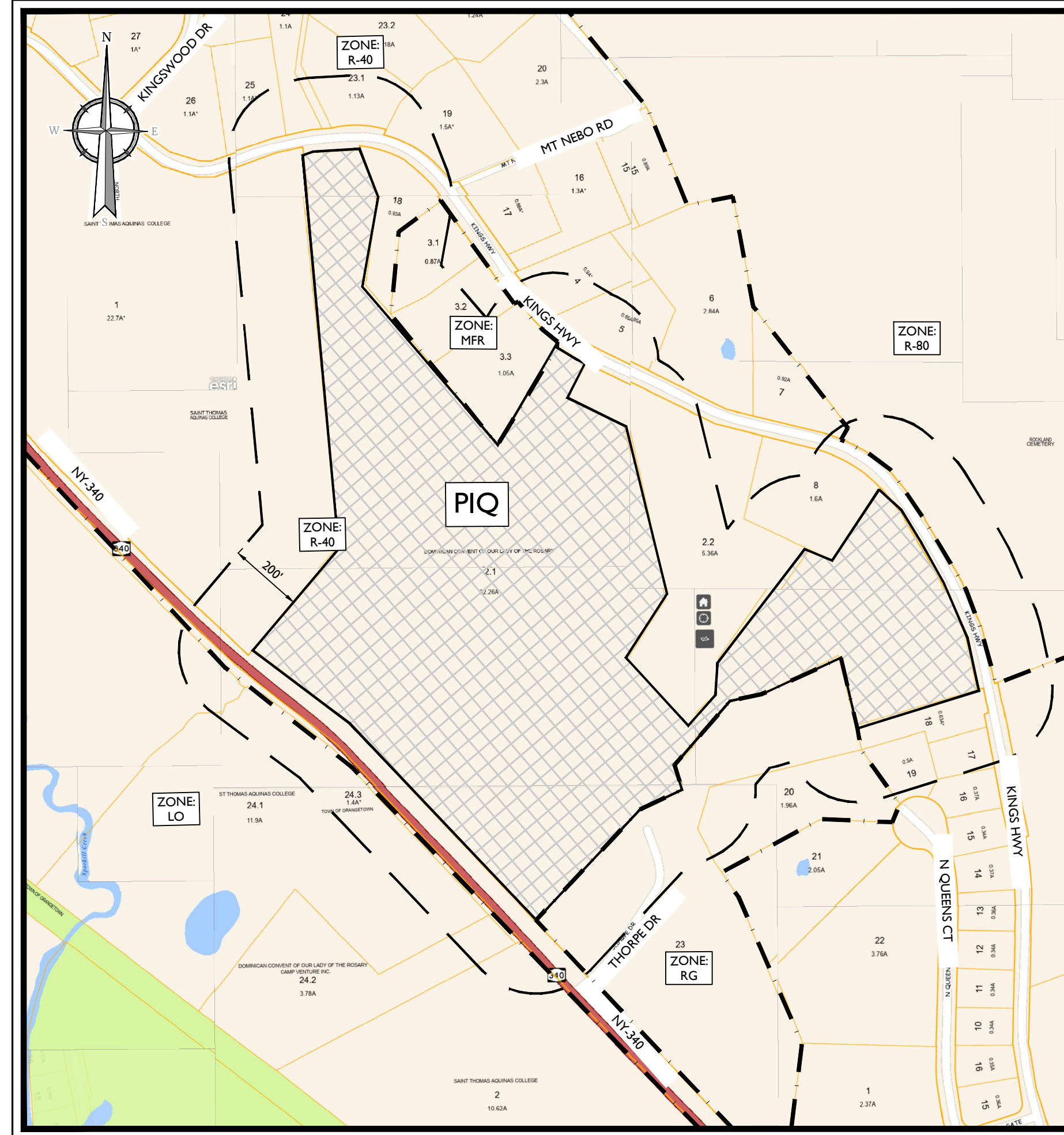
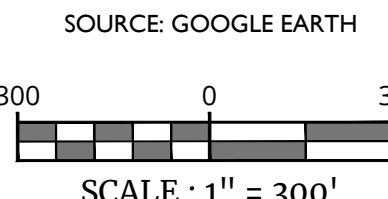


200' PROPERTY OWNER LIST

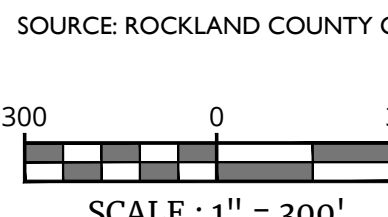
PARCEL ID NO.	OWNER'S NAME/ADDRESS
74.12-1-15	James R Jones 30 Mt Nebo Rd, Orangeburg NY 10962
74.12-1-16	Richard A McQuade 157A Kings Highway, Orangeburg NY 10962
74.12-1-17	Susan R Ferguson 157 Kings Highway, Orangeburg NY 10962
74.12-1-18	John P Bartolotta 148 Kings Highway, Orangeburg NY 10962
74.12-1-19	Mia C Pagnozzi 147 Kings Highway, Orangeburg NY 10962
74.12-1-20	Peter Gordon 141 Kings Highway, Orangeburg NY 10962
74.12-1-21.1	Lori Destefano 135 Kngs Highway, Orangeburg NY 10962
74.12-1-23.1	Michael Wouffe 129 Kings Highway, Orangeburg NY 10962
74.12-1-23.2	Michael Wouffe 131 Kings Highway, Orangeburg NY 10962
74.12-1-25	Felberto Germosen 117 Kings Highway, Orangeburg NY 10962
74.12-1-26	Denis Doyle 1 Kingswood Dr, Orangeburg NY 10962
74.15-1-17	St. Thomas Aquinas College 125 Route 340, Sparkill NY 10976
74.16-1-1	St. Thomas Aquinas College 125 Route 340, Sparkill NY 10976
74.16-1-2.1	Dominican Convent 175 Route 340, Sparkill NY 10976
74.16-1-2.2	Dowling Housing Corp 9 Thorpe Dr, Sparkill NY 10976
74.16-1-4	Victor S Alemay 159 Kings Highway, Orangeburg NY 10962
74.16-1-5	Joel J Rhodes 165 Kings Highway, Orangeburg NY 10962
74.16-1-6	Walter Aurell 171 Kings Highway, Orangeburg NY 10962
74.16-1-7	Regina Fogarty 175 Kings Highway, Orangeburg NY 10962
74.16-1-8	Camp Venture Inc. 25 Smith St, Suite 512, Nanuet NY 10962
74.16-1-14	Joey Poblete 7 N Queens Ct, Orangeburg NY 10962
74.16-1-15	Merna Binns 8 N Queens Ct, Orangeburg NY 10962
74.16-1-16	Fauzia Abdul-Quader 9 N Queens Ct, Orangeburg NY 10962
74.16-1-17	NY Oratory of St. Philip Neri 175 Route 340, Sparkill NY 10976
74.16-1-18	Thomas Artn PO Box 206, Sparkill NY 10976
74.16-1-19	Anthony Scorzello 10 N Queens Ct, Orangeburg NY 10962
74.16-1-20	Fernando O Dy 11 N Queens Ct, Orangeburg NY 10962
74.16-1-21	Mary F Contreras 12 N Queens Ct, Orangeburg NY 10962
74.16-1-22	Khris M Arvanites 13 N Queens Ct, Orangeburg NY 10962
74.16-1-23	Thorpe Housing PO Box 254, Sparkill NY 10976
74.16-1-24.1	St. Thomas Aquinas College 125 Route 340, Sparkill NY 10976
74.16-1-24.2	Camp Venture Inc. 25 Smith St, Suite 512, Nanuet NY 10962
74.20-1-2	St. Thomas Aquinas College 125 Route 340, Sparkill NY 10976
74.16-1-3.1	Mary Kate Dillon 150 Kings Highway, Orangeburg NY 10962
74.16-1-3.2	Gianna Moyles 152 Kings Highway, Orangeburg NY 10962
74.16-1-3.3	Shawn Looman 154 Kings Highway, Orangeburg NY 10962



AERIAL MAP



TAX & ZONING MAP



PREPARED BY

COLLIERS ENGINEERING & DESIGN, CT, P.C
300 TICE BOULEVARD, SUITE 101
WOODCLIFF LAKE, NJ 07677

INDEX OF SHEETS		
SHT. No.	DRAWING TITLE	LATEST REVISION
1	COVER SHEET	
2	DEMOLITION PLAN	
3	OVERALL LAYOUT PLAN	
4	LAYOUT PLAN	
5	GRADING, DRAINAGE, & UTILITIES PLAN	
6	GRADING, DRAINAGE, & UTILITIES BLOW-UP PLAN	
7	LANDSCAPE PLAN	
8	SOIL EROSION & SEDIMENT CONTROL PLAN	
9	CONSTRUCTION DETAILS	
10	CONSTRUCTION DETAILS	
11	CONSTRUCTION DETAILS	



The logo for 811, featuring the number 811 in a bold, black font with a registered trademark symbol. Below the number is a stylized black and white illustration of a shovel. To the right of the logo, the text "PROTECT YOURSELF" is written in a bold, sans-serif font. Below this, a list of states is provided: AL, AK, AR, AZ, CA, CO, CT, DE, FL, GA, HI, IL, IN, IA, KS, KY, LA, ME, MI, MN, MO, NE, NH, NJ, NY, NC, ND, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VT, WA, WI, WY. Below the list, the text "ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE" is written in a smaller, sans-serif font. At the bottom, the text "Know what's below. Call before you dig." is written in a bold, sans-serif font, followed by "FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM" in a smaller, sans-serif font.

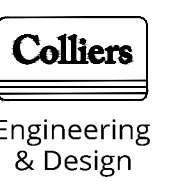
[illegible]

Jesse Barrett Cokeley
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 090987-01
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A. #: 0017609

PRELIMINARY
SITE PLAN
FOR
ST. THOMAS AQUINAS
COLLEGE

SECTION 74.16
BLOCK 1
LOT 2.1
125 ROUTE 340

TOWN OF ORANGETOWN
ROCKLAND COUNTY
NEW YORK



Colliers

Engineering
& Design

WOODCLIFF LAKE
300 Tice Boulevard
Suite 101
Woodcliff Lake, NJ 07677
Phone: 845.352.0411

COLLIERS ENGINEERING & DESIGN,
ARCHITECTURE, LANDSCAPE ARCHITECTURE,
SURVEYING, CT, P.C.

SCALE: AS SHOWN	DATE: 8/21/24	DRAWN BY: JAG	CHECKED BY: JF
PROJECT NUMBER: 18001787B		DRAWING NAME: C-CVER	

SHEET TITLE:

COVER SHEET

SHEET NUMBER:
1 of 11

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

20.00.0001.7878.EngineeringSitePlan.DWG.dwg C:\00.00.0001.7878.EngineeringSitePlan.DWG.dwg
By: MICHAELA NCORUO



DEMOLITION NOTES:

- THIS PLAN REFERENCES THE FOLLOWING DOCUMENTS AND INFORMATION:
 - "LEASE AREA EXHIBIT", SHEET 1 OF 1, DATED FEBRUARY 8TH, 2023, PREPARED BY COLLIERS ENGINEERING & DESIGN, P.L.S. LIC. NO. 050820 OF NEW YORK
 - GEO TECHNICAL EXPLORATION REPORT FOR ST. THOMAS AQUINAS COLLEGE TRACK AND FIELD, PREPARED BY COLLIERS ENGINEERING AND DESIGN, CT,PC, DATED 7/1/24.
- CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (29 U.S.C. 651 et seq.).
- THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR SHALL ALSO REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVEMENTS.
- ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS, CONCERNS REGARDING THE APPLICABLE SAFETY STANDARDS OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK OF THIS PROJECT SHALL BE RAISED WITH ENGINEER, IN WRITING AND RESPONDED TO BY ENGINEER, IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY.
- PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:
 - OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES HAVING JURISDICTION.
 - NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL DEPARTMENT OF PUBLIC WORKS, 72 HOURS PRIOR TO START OF WORK.
 - INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
 - IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL BE REQUIRED TO CALL THE BOARD OF PUBLIC UTILITIES ONE CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARK OUT IN ADVANCE OF ANY EXCAVATION.
 - LOCATING AND PROTECTING ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN AND ADJACENT TO THE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CALL BEFORE YOU DIG NUMBER FOR NEW JERSEY IS 811 AND SHOULD BE NOTIFIED TO MARKOUT UTILITIES PRIOR TO CONSTRUCTION
 - PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
 - ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE REQUIRED BY THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS.
 - COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES. WORK REQUIRED TO BE DONE "OFF-PEAK" SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL, THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL WORK AND NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS.
- THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
- THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION. SUCH REPAIRS SHALL BE PERFORMED AT THE CONTRACTOR'S SOLE EXPENSE.
- THE CONTRACTOR SHALL NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE UNLESS IT IS IN STRICT ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER THE WRITTEN DIRECTION OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
- CONTRACTOR SHALL BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL SHALL BE ACCOMPLISHED WITH APPROVED BACKFILL MATERIALS, AND SHALL BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND IN COMPLIANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT. BACKFILLING SHALL OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND SHALL BE DONE SO AS TO PREVENT WATER ENTERING THE EXCAVATION. FINISHED SURFACES SHALL BE GRADED TO PROMOTE POSITIVE DRAINAGE.
- EXPLOSIVES SHALL BE PROHIBITED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING TO MONITOR THE EFFECTS ON ALL ADJACENT STRUCTURES.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FHWA "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), AS WELL AS FEDERAL, STATE AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHT-OF-WAY.
- CONTRACTOR SHALL CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.
- DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNER AND ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
- CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
- CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH SHALL INCLUDE BUT NOT LIMITED TO THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
- THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION AS TO THE MEANS AND METHODS TO BE USED TO ACCOMPLISH THAT WORK. ALL MEANS AND METHODS UTILIZED ARE TO BE IN STRICT ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR SHALL MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE PROVIDED TO THE OWNER UPON REQUEST.
- CONTRACTOR SHALL MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN PLACE, OR RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT SHALL BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OVER TO THE OWNER/DEVELOPER UPON COMPLETION OF THE WORK.
- GC IS RESPONSIBLE FOR TAKING THE APPROPRIATE MEASURES TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS, PAVEMENT, DRAINAGE STRUCTURES, ETC. WHICH ARE TO REMAIN. GC WILL BE RESPONSIBLE FOR REPAIRING DAMAGE DONE TO THE AFOREMENTIONED ITEMS. THE REPAIR SHALL RESTORE SUCH TO A CONDITION EQUIVALENT TO OR BETTER THAN THE EXISTING CONDITIONS AND IN ACCORDANCE WITH ALL APPLICABLE CODES.

INFILTRATION TEST RESULTS

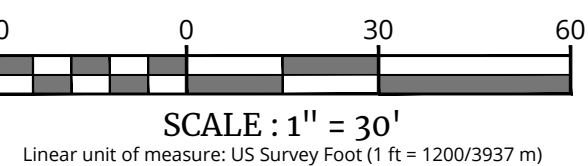
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IT-01	23 / 24
IT-02	13 / 19
IT-03	24 / 24
IT-04	10 / 15
IT-05	24 / 24
IT-06	24 / 24

ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.

THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239.8(b) OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.

LEGEND

- TP-XX = TEST PIT LOCATION (JUNE, 2024); (SEE GEOTECHNICAL DATA REPORT DATED JULY 1, 2024)
- TB-1-XX = TEST BORING LOCATION (JUNE, 2024); (SEE GEOTECHNICAL DATA REPORT DATED JULY 1, 2024)
- TB-2-XX = TEST BORING LOCATION (JANUARY, 2024); (SEE GEOTECHNICAL DATA REPORT DATED JULY 1, 2024)
- TP-XX = TEST PIT LOCATION (OCTOBER, 2023); (SEE GEOTECHNICAL DATA REPORT DATED NOVEMBER 14, 2023)
- IT-XX = INFILTRATION TEST LOCATION (OCTOBER, 2023); (SEE GEOTECHNICAL DATA REPORT DATED NOVEMBER 14, 2023)
- T.B.R. = TO BE REMOVED
- = ITEMS TO BE REMOVED
- = ITEMS TO REMAIN
- = ABANDONED FOUNDATIONS TO BE REMOVED



NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS
VISIT: WWW.CALL811.COM

REVISIONS
REV. DATE DRAWN BY DESCRIPTION
1 1/1/24 CHA REVISED PER TOWN OF ORANGETOWN PLANNING BOARD REVIEW LETTER
2 2/5/25 MIN REVISED PER TOWN OF ORANGETOWN PLANNING BOARD REVIEW LETTER



Jesse Barrett Cokerley
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 090987-01
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y.C.O.A.#: 0077609

PRELIMINARY
SITE PLAN

FOR
ST. THOMAS AQUINAS
COLLEGE

SECTION 74.16
BLOCK 1
LOT 2.1
125 ROUTE 340

TOWN OF ORANGETOWN
ROCKLAND COUNTY
NEW YORK

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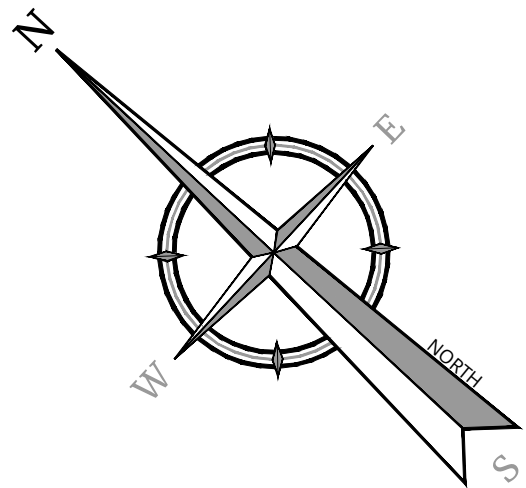
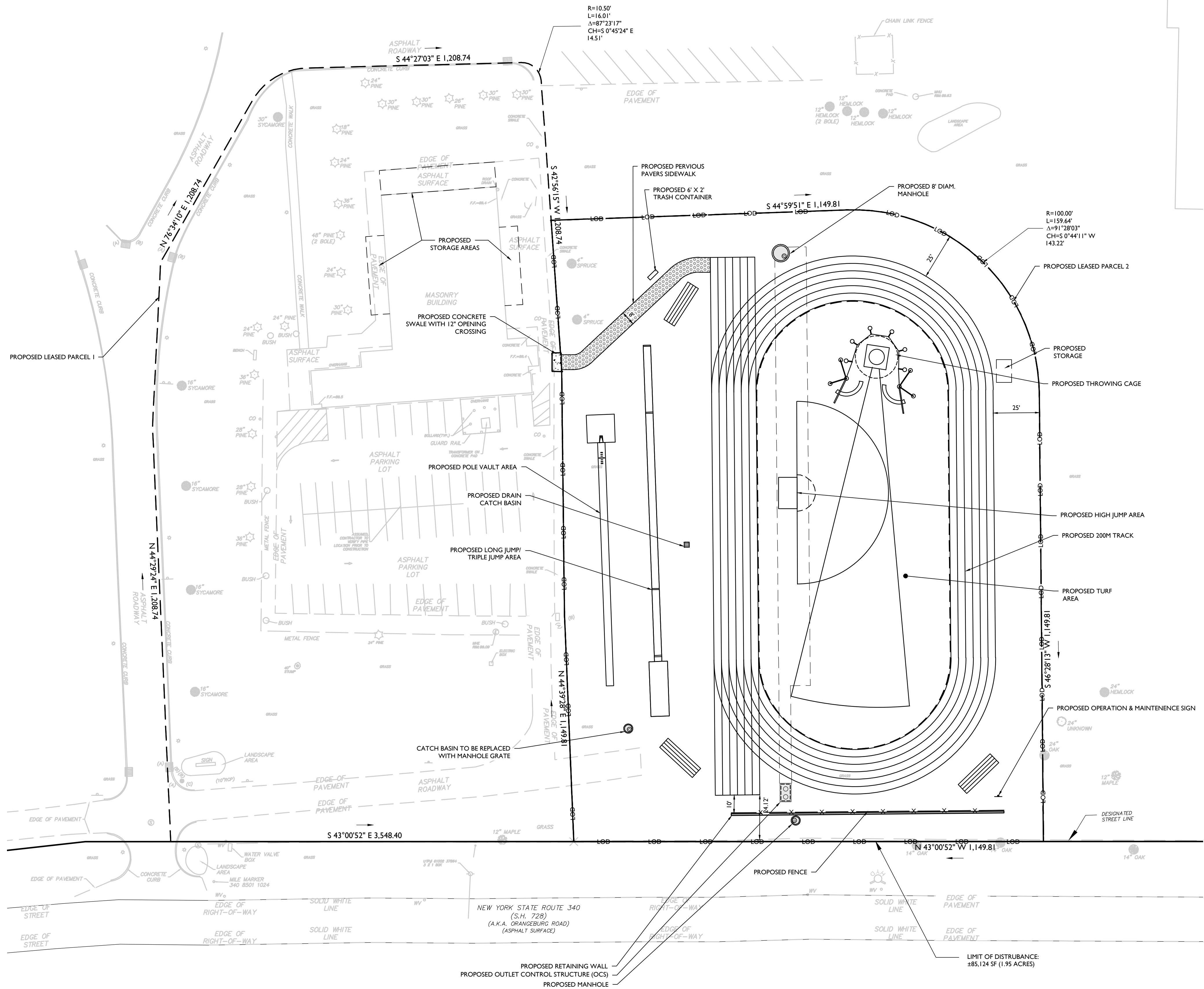
SCALE: AS SHOWN
PROJECT NUMBER: 18001787B
DATE: 8/21/24
DRAWN BY: JAG
CHECKED BY: JF
DRAWING NAME: C-DEMO

DEMOLITION PLAN

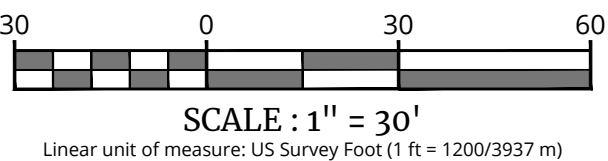
SHEET NUMBER:
2 of 11

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

2018001787B Engineering Site Plan.dwg 344 LAYOUT Bg: MICHAEL NICOSIMO



EXISTING	LEGEND	PROPOSED
	LEASE LINE	
	PROPERTY LINE	
	EDGE OF PAVEMENT	
	CURB	
	DEPRESSED CURB	
	SIDEWALK	
	FENCES	
	TREELINE	
	ROADWAY SIGNS	
	WETLAND LINE	
	MUNICIPAL BOUNDARY LINE	
	STALL COUNT	
	ADA ACCESSIBLE STALL	
	DEPRESSED CURB AND ADA RAMP	
	DIRECTION OF TRAFFIC FLOW	



UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

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SIDEWALKS AND CURBS SHALL BE INSTALLED IN ACCORDANCE WITH THE HIGHWAY DEPARTMENT'S SPECIFICATIONS FOR SIDEWALKS AND CURBS.

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DRAWN BY	DESCRIPTION
1	1/1/2024	CHB	REVISED PER TOWN OF ORANGETOWN PLANNING BOARD REVIEW LETTER
2	2/5/25	MMN	REVISED PER TOWN OF ORANGETOWN PLANNING BOARD REVIEW LETTER



Jesse Barrett Cokeley
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 090987-01
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0077609

PRELIMINARY
SITE PLAN

FOR
ST. THOMAS AQUINAS
COLLEGE

SECTION 74.16
BLOCK 1
LOT 2.1
125 ROUTE 340

TOWN OF ORANGETOWN
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NEW YORK

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Phone: 845.352.0411
COLLIERS ENGINEERING & DESIGN
ARCHITECTURE, LANDSCAPE ARCHITECTURE,
SURVEYING CT, P.C.

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	8/21/24	JAG	JF
PROJECT NUMBER:	18001787B	DRAWING NAME:	C-LAY1

SHEET TITLE:
LAYOUT PLAN

SHEET NUMBER:
4 of 11

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



NOTES:

1. CONTRACTOR MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (HANDICAPPED) ACCESSIBLE COMPONENTS FOR THE SITE/PROJECT. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH THE LATEST FEDERAL ADA STANDARDS FOR ACCESSIBLE DESIGN, AND CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY MUST COMPLY WITH THE LATEST FEDERAL PROPOSED "ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY" (PROWAG).
2. FINISHED SURFACES ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC INFORMATION, PEDESTRIAN ASSESS, INTER-BUILDING AND TO/ FROM POINTS OF CONTRAVENTANCE, MUST COMPLY WITH THESE ADA CODE REQUIREMENTS AND ANY SUPPLEMENTAL STATE REQUIREMENTS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

(NOTE: THIS LIST IS NOT INTENDED TO CAPTURE EVERY APPLICABLE FEDERAL, STATE AND LOCAL RULE AND REGULATION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE LAW, WHETHER OR NOT STATED SPECIFICALLY HEREIN):

- A. PARKING SPACES AND PARKING AISLES - SLOPE MUST NOT EXCEED 1:48 (L/4" PER FOOT OR NORMALLY 2.0%) IN ANY DIRECTION
- B. CURB RAMPS- SLOPES MUST NOT EXCEED 1:12 (8.3%).

C. LANDINGS

- i. LANDINGS AT CURB RAMPS - MUST BE 4 FT. MIN. X 4 FT. MIN. AND ARE TO BE INCREASED TO 5 FEET WHERE THE LANDING SPACE (TURNING SPACE) IS CONSTRAINED AT THE BACK OF THE SIDEWALK.
- ii. LANDINGS AT RAMPS - MUST BE 5 FT. MIN. IN THE DIRECTION OF TRAVEL AND BE PROVIDED AT EACH END OF THE RAMP. MUST PROVIDE POSITIVE DRAINAGE (1 1/2 MIN.) AND MUST NOT EXCEED 1/48 (1/4" PER FOOT OR NORMALLY 2.0%) IN ANY DIRECTION. WHEN LANDING IS ALSO A TURNING SPACE IT MUST BE A MINIMUM 5 FT X 5 FT.
- iii. LANDINGS AT DOORWAYS - SEE NOTE F BELOW.

- D. PATH OF TRAVEL ALONG ON-SITE ACCESSIBLE ROUTE - MUST PROVIDE A 36 INCH (EXCLUDING THE CURB) OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS MUST NOT REDUCE THIS MINIMUM WIDTH). IN A PUBLIC RIGHT-OF-WAY, THE MINIMUM WIDTH EXCLUDING THE CURB IS 4 FT. THE SLOPE MUST BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL AND MUST NOT EXCEED 1:48 (1/4" PER FOOT OR NORMALLY 2.0%) IN CROSS SLOPE.

- E. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), AN ADA RAMP, WITH A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF 30 INCHES MUST BE PROVIDED. THE RAMP MUST HAVE A MINIMUM CLEAR WIDTH OF 36 INCHES, HAVE ADA HAND RAILS AND LANDINGS (MIN. 5 FT. LONG IN THE DIRECTION OF TRAVEL) ON EACH END THAT ARE SLOPED A MIN. 1% AND NO MORE THAN 1:48 (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE.

- F. EXTERIOR DOORWAYS - MUST HAVE A "LEVEL" LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED NO MORE THAN 1/48 (1/4" PER FOOT OR NORMALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA IS GENERALLY 5 FT X 5 FT, EXCEPT WHERE OTHERWISE PERMITTED BY ADA STANDARDS (SEE APPLICABLE CODE SECTIONS).
3. IT IS RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE OFFICIAL, INCLUDING WHETHER OR NOT FALL PROTECTION IS REQUIRED.

4. IT IS RECOMMENDED THAT THE CONTRACTOR CHECK THE SLOPE OF FORMWORK FOR COMPLIANCE WITH ADA STANDARDS PRIOR TO POURING CONCRETE.

1. LOCATION OF ALL EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. ALL CONNECTION POINTS SHALL BE VERIFIED IN FIELD BY GC AND ENGINEER SHALL BE NOTIFIED IMMEDIATELY REGARDING ANY DISCREPANCIES. CONSTRUCTION SHALL COMMENCE BEGINNING AT LOWEST INVERT AND PROGRESS UP GRADIENT. PROPOSED CROSSING OF EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR SHALL DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY AND/OR SERVICES THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE SYSTEMS THAT ARE TO REMAIN DURING SITE CONSTRUCTION.
3. THE CONTRACTOR TO INSTALL ALL STORM/SANITARY SEWERS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.
4. ALL NEW UTILITIES/SERVICES TO BE INSTALLED UNDERGROUND. ALL TO BE INSTALLED IN ACCORDANCE WITH THE LOCAL UTILITY/SERVICE PROVIDER SPECIFICATIONS AND STANDARDS.
5. UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATION. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANY(AUTHORITIES).
6. STORM SEWERS SHALL BE CLASS III (OR HIGHER IF NOTED) REINFORCED CONCRETE PIPE (RCP) WITH "O" RING GASKETS OR INTERNALLY PRELUBRICATED GASKET (TYLOX SUPERSEAL OR EQUIVALENT), ASD N-12 HIGH DENSITY POLYETHYLENE PIPE (HDPE), HANCOR SURE-LOK HIGH DENSITY POLYETHYLENE PIPE (HDPE) OR APPROVED EQUAL AS NOTED. PROPER PIPE COVERAGE SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

30 0 30 60

SCALE: 1" = 30'

Linear unit of measure: US Survey Foot (1 ft = 1200/3937 m)

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

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ARCHITECTURE, LANDSCAPE ARCHITECTURE

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PROJECT NUMBER: 18001787R		DRAWING NAME: C-GRAD	

GRADING, DRAINAGE AND UTILITY PLAN

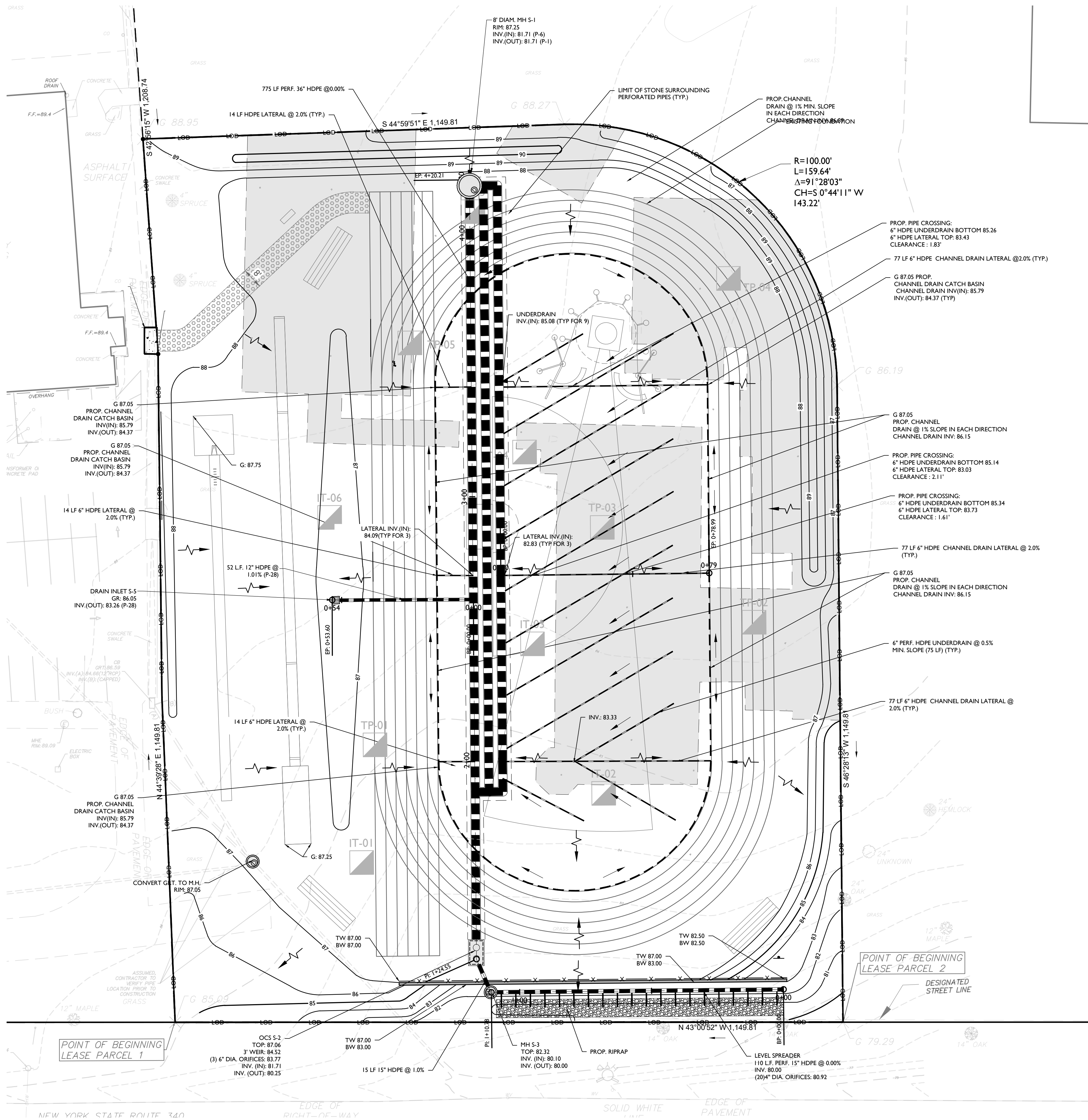
5 of 11

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ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.

LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.

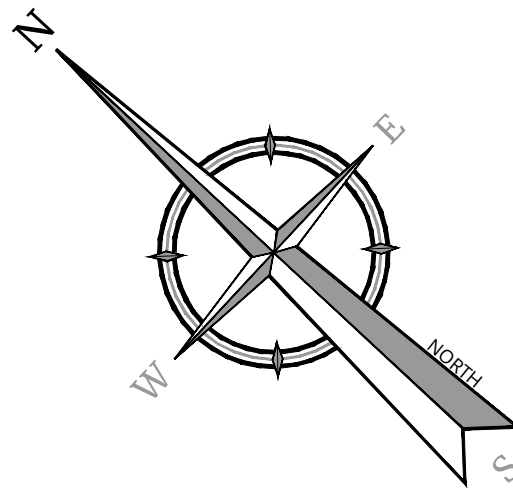
2018/000178185 Engineering Site Plan, G&D, JAG, C, de Blaw Up Plan, By: MICHAELA MCGONNAGH



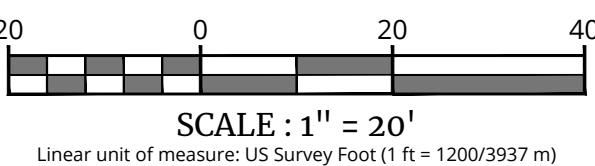
THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.

ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.

LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS'S RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED.



EXISTING		LEGEND		PROPOSED	
12+00	13+00	TRaverse LINE, CENTER LINE OR BASELINE (LABEL AS SUCH)		12+00	13+00
---	---	RIGHT OF WAY LINE	---	---	---
---	---	PROPERTY LINE	---	---	---
FACE	BACK	EDGE OF PAVEMENT	FACE	BACK	---
---	---	CURB	---	---	---
---	---	DEPRESSED CURB	---	---	---
---	---	SIDEWALK	---	---	---
---	---	FENCES	---	---	---
---	---	TREELINE	---	---	---
---	---	ROADWAY SIGNS	---	---	---
---	---	WETLAND LINE	---	---	---
---	---	MUNICIPAL BOUNDARY LINE	---	---	---
---	---	'B' INLET	---	---	---
---	---	'E' INLET	---	---	---
---	---	STORM MANHOLE	---	---	---
---	---	SANITARY MANHOLE	---	---	---
---	---	FLARED END SECTION	---	---	---
---	---	HEADWALL	---	---	---
---	---	HYDRANT	---	---	---
---	---	POLE MOUNTED LIGHT	---	---	---
---	---	CONTOURS	---	---	---
x G 29.0		SPOT ELEVATION	x G 29.0		
x TC 29.0		DIRECTION OF OVERLAND FLOW	x TC 29.0		
x BC 29.0		TOP OF CURB ELEVATION	x BC 29.0		
		BOTTOM OF CURB ELEVATION	x BC 29.0		
		TOP OF DEPRESSED CURB ELEVATION	x TDC 29.0		



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REV	DATE	DRAWN BY	DESCRIPTION
1	11/15/24	CHA	REVISED PER TOWN OF ORANGETOWN PLANNING BOARD REVIEW LETTER
2	2/5/25	MMN	REVISED PER TOWN OF ORANGETOWN PLANNING BOARD REVIEW LETTER

Jesse Barrett Cokeley
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 090987-01
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0017609

PRELIMINARY SITE PLAN

FOR
ST. THOMAS AQUINAS COLLEGE

SECTION 74.16
BLOCK 1
LOT 2.1
125 ROUTE 340

TOWN OF ORANGETOWN
ROCKLAND COUNTY
NEW YORK

Engineering & Design

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AS SHOWN	8/21/24	JAG	JF
PROJECT NUMBER:		DRAWING NAME:	
180017878		C-GRAD	

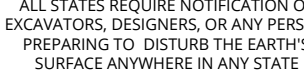
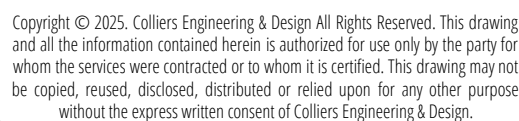
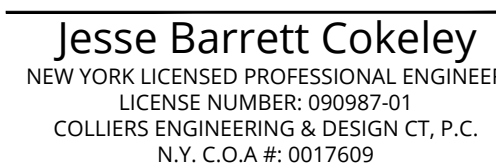
GRADING, DRAINAGE AND UTILITY PLAN BLOW-UP PLAN

SHEET NUMBER:

6 of 11

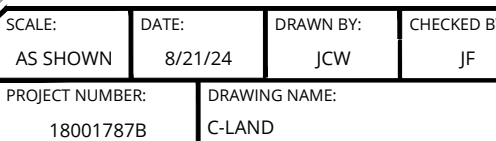
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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FOR
ST. THOMAS AQUINAS
COLLEGE

TOWN OF ORANGETOWN
ROCKLAND COUNTY
NEW YORK

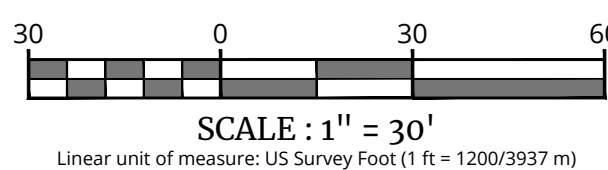


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7 of 11

5. VEGETATION THAT DIES DURING ANY SEASON SHALL BE REPLACED AT THE START OF THE NEXT GROWING SEASON.

PLANTING SCHEDULE					
<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>COND.</u>	<u>NOTES</u>	<u>QTY</u>
<u>EVERGREEN TREES</u>					
PIPU	PICEA PUNGENS GLAUCA	COLORADO BLUE SPRUCE	6'	B & B	22
THXG	THUJA X 'GREEN GIANT'	GREEN GIANT ARBORVITAE	6'	B & B	18



ASPHALT ROADWAY

S 44°27'03" E 1,208.74

N 76°34'10" E 1,208.74

G 89.30'

G 88.26'

G 84.85'

S 43°00'52" E 3,548.40

N 44°39'28" E 1,149.81

N 44°29'24" E 1,208.74

MASONRY BUILDING

EDGE OF ASPHALT SURFACE

ASPHERAL PARKING LOT

EDGE OF PAVEMENT

CONCRETE WALK

CONCRETE CURB

METAL FENCE

LANDSCAPE AREA

WATER VALVE BOX

MANHOLE

POINT OF BEGINNING LEASE PARCEL 1

NEW YORK STATE ROUTE 340 (S.R. 728) (A.K.A. GRANGERBURG ROAD) (ASPHALT SURFACE)

EDGE OF RIGHT-OF-WAY

SOLID WHITE LINE

EDGE OF STREET

R=100.00'
L=159.64'
A=91°28'03"
CH+S 0°44'11" W 143.22'

(18) THXG

(22) PIPU

S 44°59'51" E 1,149.81

G 88.27'

G 88.95'

G 88.19'

G 79.29'

N 43°00'52" W 1,149.81

POINT OF BEGINNING LEASE PARCEL 2

DESIGNATED STREET LINE

LIMIT OF DISTURBANCE ±85,124 SF (1.95 ACRES)

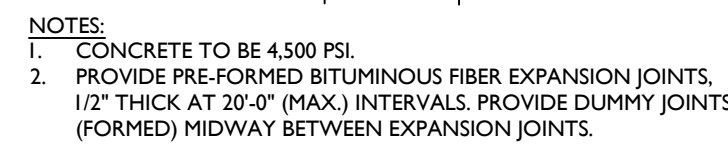
4. PRUNE DAMAGED AND CONFLICTING BRANCHES MAINTAINING NORMAL TREE SHAPE, NEVER CUT CENTRAL TRUNK OR LEADER.

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

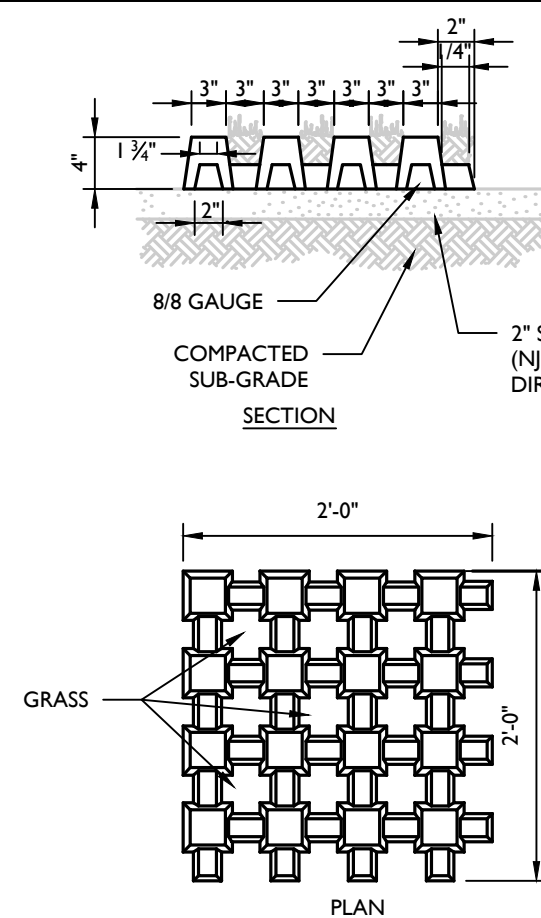
WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SOIL SHALL NOT BE EXPOSED MORE THAN SEVEN (7) DAYS. CONTRACTOR SHALL INITIATE STABILIZATION MEASURES IN ACCORDANCE WITH THE SOIL EROSION & SEDIMENT CONTROL PLAN.

TREES TO BE PLANTED IN ACCORDANCE WITH THE TOWN CODE REGULATION 21-25,
SHADE TREE ORDINANCE

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CONCRETE TRACK FOOTING AROUND TRACK PERIMETER



NOTES:

1. PAVERS SHALL BE MANUFACTURED BY **HASTINGS PAVEMENT CO., INC.**, FABRICATED WITH 6"x6" X 8/8 GAUGE STEEL MECH. AND 5,000 PSI CONCRETE OR APPROVED EQUAL.
2. SETTING BED FOR PAVERS SHALL BE EITHER UNDISTURBED EARTH OR FILT COMPACTED TO 95% MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST ASTM D-1557-64 + (PLUS 4% OR MINUS 2% OPTIMUM MOISTURE), REMOVE FROM THE SETTING BED, ROCK OR OTHER MATERIALS THAT WOULD CREATE UNEVENNESS OR BEARING. PLACE TOPSOIL, SAND, OR STONE DUST IN A 2" COMPACTED LAYER TO PRESENT A TRUE AND EVEN SURFACE TO THE ENTIRE LOT TO RECEIVE PAVES. SET PAVERS AND LINE UP TO ABUT.
3. REFER TO THE GENERAL SEEDING NOTES IN DETAIL 5 OF THIS SHEET FOR SPECIFIC REQUIREMENTS.

1. TEMPORARY SEEDING SHALL CONSIST OF PERENNIAL RYEGRASS APPLIED AT A RATE OF 1.0 LBS. PER 1000 SF OR SPRING OATS APPLIED AT A RATE OF 2.0 LBS. PER 1000 SF. TEMPORARY SEEDING SHALL BE MULCHED AND MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH PERMANENT SEEDING.
2. PERMANENT SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUAL - OPTIMUM SEEDING DATES ARE BETWEEN APRIL 1 AND MAY 31 AND AUGUST 16 AND OCTOBER 15.

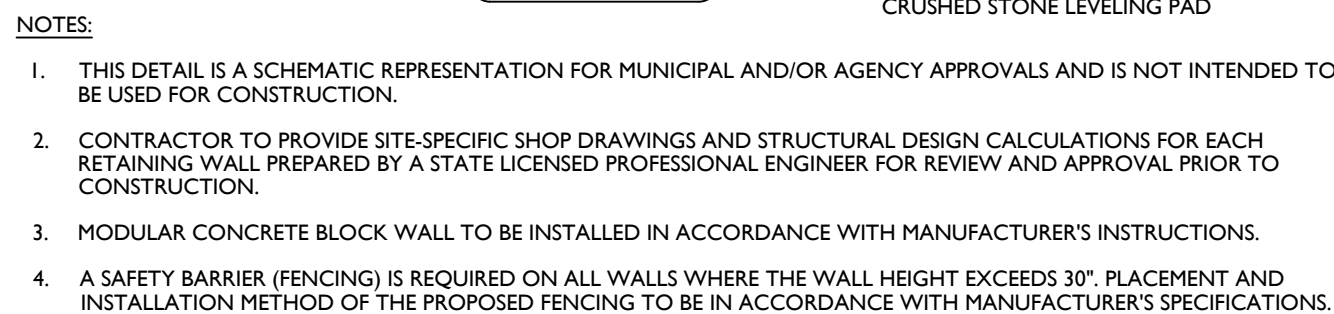
MIXTURE - HARD FESCUE	120 LBS/ACRE
PERENNIAL RYE GRASS	30 LBS/ACRE
KENTUCKY BLUE GRASS (BLENDED)	40 LBS/ACRE
3. PERMANENT SEEDING TO BE APPLIED BY RAKING OR DRILLING INTO THE SOILS AT A RATE OF 1500# PER ACRE, SLOPED AREA TO BE COVERED WITH MULCH AS INDICATED IN NOTE 3.
4. FERTILIZER FOR THE ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE IN COMPLIANCE WITH THE LATEST NUTRIENT REGULATIONS. A SOIL TEST PRIOR TO FERTILIZER APPLICATION IS RECOMMENDED.
5. IF SEASON PERPENDS THE ESTABLISHMENT OF TEMPORARY OR PERMANENT SEEDING, EXPOSED AREA TO BE STABILIZED WITH MULCH AS INDICATED IN NOTE 4.
6. MULCH TO CONSIST OF SMALL GRAIN STRAW OR SALT HAY ANCHORED WITH A WOOD AND FIBER MULCH BINDER OR ANK ANCHOR. MULCH TO BE SPREAD AT RATES OF 90 TO 115 LBS. PER 1000 SF AND ANCHORED WITH A MULCH ANCHORING TOOL OR LIQUID MULCH BINDER, AND SHALL BE PROVIDED ON ALL SEEDINGS. HYDROMULCH SHALL ONLY BE USED DURING OPTIMUM GROWING SEASONS.
7. WORK LINE AND FERTILIZER UNTIL SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOL, HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON AND CLAY OR SILTY SANDS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.
8. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLOUDS, LUMPS, OR OTHER UNSUITABLE MATERIAL.
9. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.

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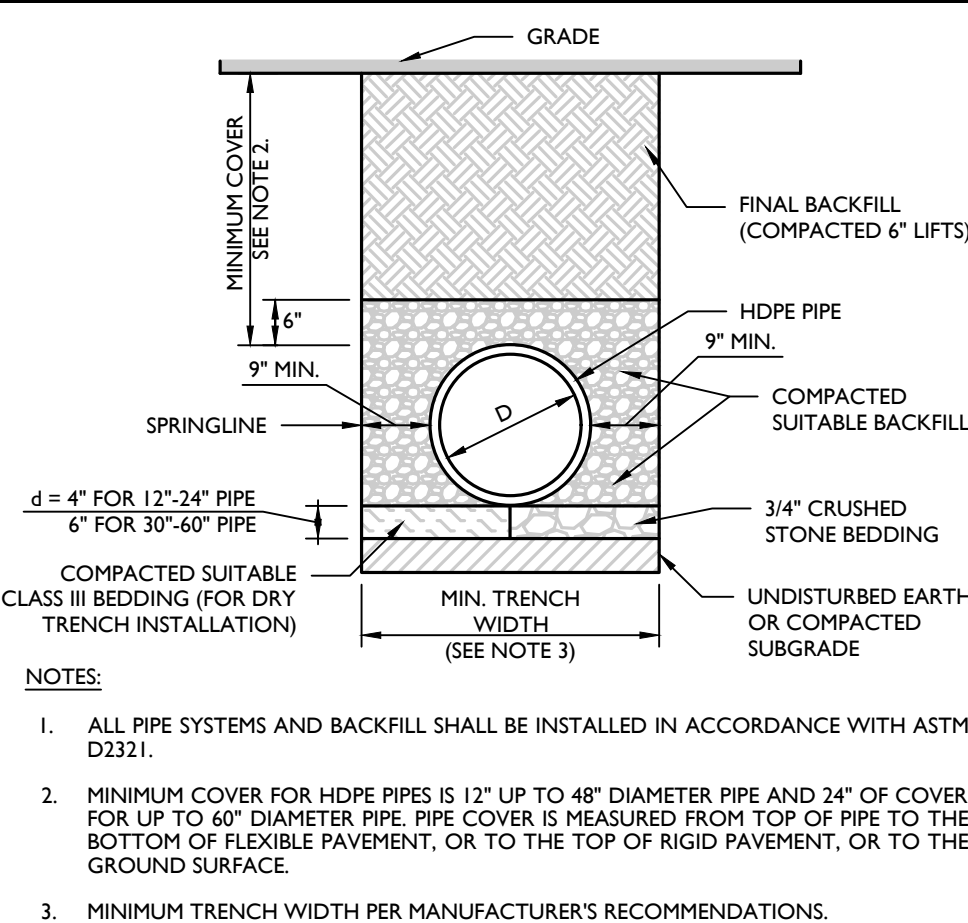
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GENERAL SEEDING NOTES



TYPICAL GRAVITY WALL SECTION
(MAXIMUM 4FT. DESIGN HEIGHT) DETAIL



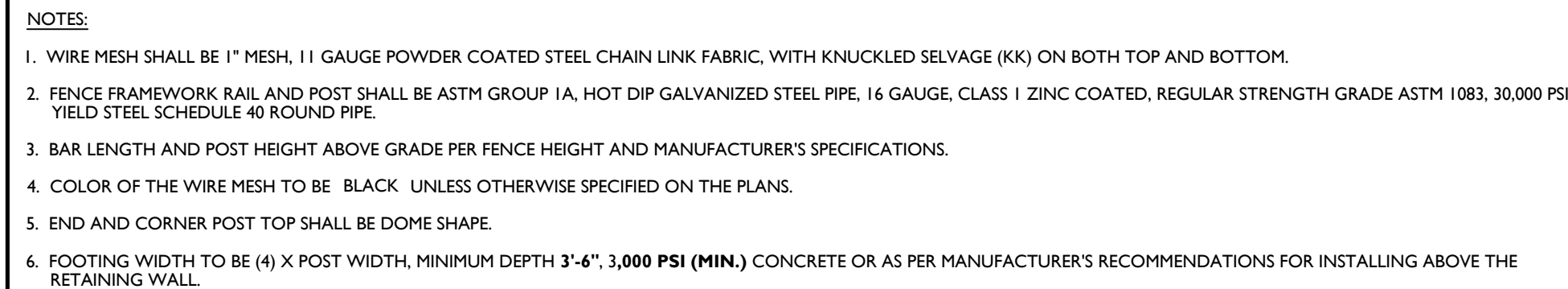
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MOD: 12/21/22
07/01/19



7

MOD: 03/13/24
10/01/19



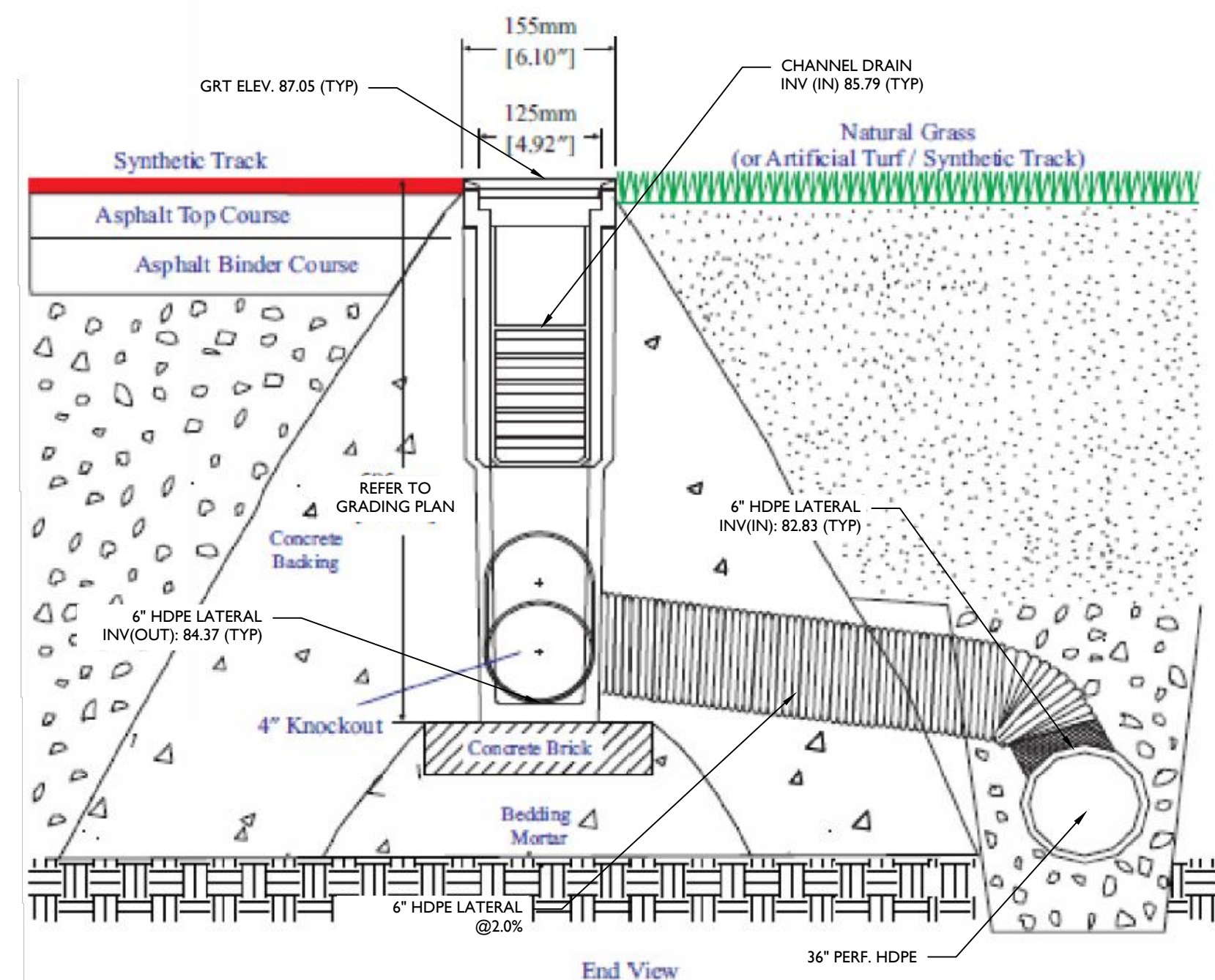
4' HIGH CHAIN LINK FENCE DETAIL

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07/01/19



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LICENSE NUMBER: 090987-01
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N.Y. C.O.A #: 0017609

PRELIMINARY
SITE PLAN
FOR
ST. THOMAS AQUINAS
COLLEGE

SECTION 74.16
BLOCK 1
LOT 2.1
125 ROUTE 340

TOWN OF ORANGETOWN
ROCKLAND COUNTY
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Engineering
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SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

9 of 11

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