

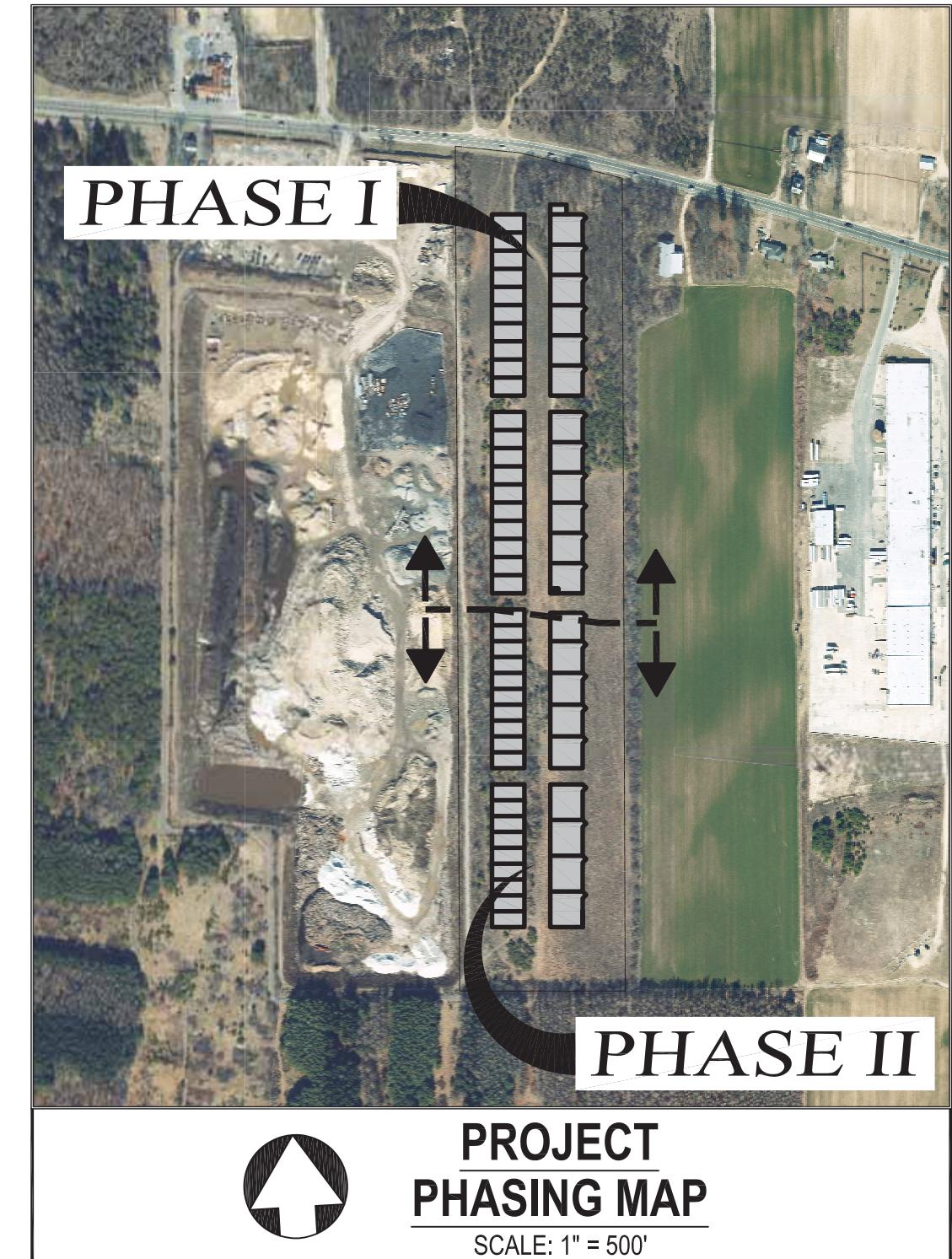
SITE DEVELOPMENT PLANS

FOR
HK VENTURES, LLC
INDUSTRIAL PARK

LOCATED AT

4285 MIDDLE COUNTRY ROAD
CALVERTON, NY 11933

SCTM# 0600-116.00-01.00-002.000



SITUATED IN
TOWN OF RIVERHEAD
SUFFOLK COUNTY, NEW YORK

REFERENCES

THIS PLAN REFERENCES:

BOUNDARY & TOPOGRAPHICAL SURVEY PREPARED BY:
GALLAS SURVEYING GROUP
2865 US ROUTE 1
NORTH BRUNSWICK, NY 08902
DATED: 11/08/2019

ARCHITECTURAL PLANS & RENDERINGS
PREPARED BY:
BLD ARCHITECTURE, DPC
31 WEST MAIN STREET, SUITE 205
PATCHOGUE, NY 11772
DATED: 12/02/2021

SEWAGE TREATMENT PLANT (STP) PLANS
PREPARED BY:
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
630 JOHNSON AVENUE, SUITE 7
BOHEMIA, NY 11716
DATED: 05/12/2020

ROADWAY MODIFICATION PLANS
PREPARED BY:
STONEFIELD ENGINEERING & DESIGN
92 PARK AVENUE
RUTHERFORD, NJ 07070
DATED: 06/19/2020

GEOTECHNICAL EVALUATION REPORT
PREPARED BY:
J.R. HOLZMACHER P.E., LLC
3555 VETERANS MEMORIAL HIGHWAY, SUITE A
RONKONKOMA, NY 11779
DATED: 03/19/2021

SOIL BORING LOGS & PERCOLATION RATE INFORMATION
PREPARED BY:
SLACKE TEST BORING CO.
P.O. BOX 64
KINGS PARK, NY 11754
BORINGS 1 - 4
DATED: 11/08/2019
BORINGS 5 - 8
DATED: 02/12/2021
PERCOLATION TEST
DATED: 02/12/2021

VICINITY MAP BACKGROUND DATA PROVIDED BY
MAPS.GOOGLE.COM

PROJECT DATA	
SITE ADDRESS	4285 MIDDLE COUNTRY ROAD CALVERTON, NY 11933
OWNER / APPLICANT	HK VENTURES, LLC 147 STEAMBOAT ROAD GREAT NECK, NY 11024 c/o SCOTT JOHNS
TAX MAP NUMBER	DISTRICT: 600, SECTION: 116, BLOCK: 1, LOT: 2
SITE AREA	1,317,884 SF (30.2545 Ac)
CURRENT ZONING	INDUSTRIAL C
EXISTING USE	VACANT
PROPOSED USE	PRIMARY USES: WAREHOUSE & MANUFACTURING (INDOOR)
PROPOSED BUILDING AREA (GFA)	<p>PHASE I BUILDING 1 = 56,000 SF BUILDING 2 = 56,672 SF BUILDING 3 = 56,000 SF BUILDING 4 = 56,297 SF COMMISSARY = 1,500 SF TOTAL = 226,469 SF</p> <p>PHASE II (TO BE CONSTRUCTED ONCE PHASE I IS COMPLETED AND OPERATING)</p> <p>BUILDING 5 = 49,000 SF BUILDING 6 = 48,510 SF BUILDING 7 = 44,100 SF BUILDING 8 = 44,550 SF TOTAL = 186,160 SF</p> <p>PHASE I + PHASE II = 412,629 SF (31.31%)</p> <p>PERVIOUS PAVERS / LANDSCAPE AREA PERVIOUS PAVER AREA = 118,687 SF LANDSCAPE AREA = 335,909 SF TOTAL PAVER / LANDSCAPE AREA = 454,596 SF (34.49%)</p> <p>IMPERVIOUS / PAVEMENT / CONCRETE AREA (EXCLUDES BUILDING AREAS) 450,659 SF (34.20%)</p>

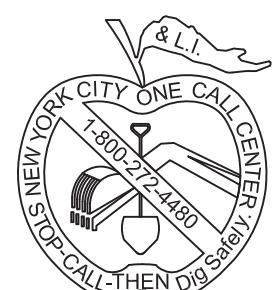
DRAWING LIST	
C-1	COVER SHEET
C-2	NOTES SHEET
C-3	OVERALL SITE PLAN
C-4	PARTIAL SITE PLAN (SECTION A - PHASE I)
C-5	PARTIAL SITE PLAN (SECTION B - PHASE I)
C-6	PARTIAL SITE PLAN (SECTION C - PHASE II)
C-7	PARTIAL SITE PLAN (SECTION D - PHASE II)
C-8	OVERALL GRADING & DRAINAGE PLAN
C-9	PARTIAL GRADING & DRAINAGE PLAN (SECTION A - PHASE I)
C-10	PARTIAL GRADING & DRAINAGE PLAN (SECTION B - PHASE I)
C-11	PARTIAL GRADING & DRAINAGE PLAN (SECTION C - PHASE II)
C-12	PARTIAL GRADING & DRAINAGE PLAN (SECTION D - PHASE II)
C-13	OVERALL SANITARY & UTILITY PLAN
C-14	PARTIAL SANITARY & UTILITY PLAN (SECTION A - PHASE I)
C-15	PARTIAL SANITARY & UTILITY PLAN (SECTION B - PHASE I)
C-16	PARTIAL SANITARY & UTILITY PLAN (SECTION C - PHASE II)
C-17	PARTIAL SANITARY & UTILITY PLAN (SECTION D - PHASE II)
C-18	SANITARY NOTES, DETAILS & BORINGS
C-19	OVERALL LANDSCAPE PLAN
C-20	PARTIAL LANDSCAPE PLAN (SECTION A - PHASE I)
C-21	PARTIAL LANDSCAPE PLAN (SECTION B - PHASE I)
C-22	PARTIAL LANDSCAPE PLAN (SECTION C - PHASE II)
C-23	PARTIAL LANDSCAPE PLAN (SECTION D - PHASE II)
C-24	OVERALL LIGHTING PLAN
C-25	PARTIAL LIGHTING PLAN (SECTION A - PHASE I)
C-26	PARTIAL LIGHTING PLAN (SECTION B - PHASE I)
C-27	PARTIAL LIGHTING PLAN (SECTION C - PHASE II)
C-28	PARTIAL LIGHTING PLAN (SECTION D - PHASE II)
C-29	OVERALL CONSTRUCTION PHASING PLAN
C-30	OVERALL SOIL EROSION & SEDIMENT CONTROL PLAN
C-31	SITE DETAILS I
C-32	SITE DETAILS II
C-33	SITE DETAILS III
C-34	SITE DETAILS IV
C-35	FIRE MARSHAL PLAN

CERTIFICATION BOX

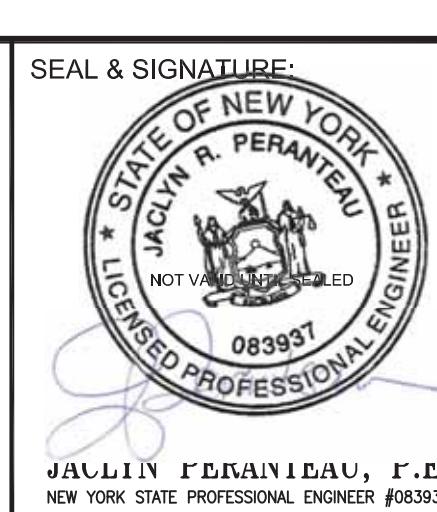
THIS IS TO CERTIFY THIS SITE PLAN HAS BEEN APPROVED BY THE PLANNING BOARD OF THE TOWN OF RIVERHEAD BY PLANNING BOARD RESOLUTION NUMBER _____, DATED _____.

SIGNATURE OF PLANNING BOARD CHAIRPERSON _____

DATE OF SIGNATURE _____



No.	DATE	BY	DESCRIPTION	REVISIONS
6	01/24/2022	LC	MISCELLANEOUS COORDINATION	
5	12/15/2021	LC	FEIS SUBMISSION	
4	04/02/2021	LC	RESUBMISSION TO TOWN	
3	06/22/2020	LC	MISCELLANEOUS COORDINATION	
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION	
1	05/15/2020	LC	ISSUED FOR REVIEW	
No.	DATE	BY	DESCRIPTION	



SEAL & SIGNATURE:
JACQUIN R. PERANTEAU
LICENSED PROFESSIONAL ENGINEER
#083937
NEW YORK STATE PROFESSIONAL ENGINEER #083937

DATE: 01/24/2020
SCALE: N.T.S.
PROJECT No.: 19026
DRAWING BY: LC
CHECKED BY: YT
APPROVED BY: JP



PROJECT NAME:
HK VENTURES, LLC
INDUSTRIAL PARK
4285 MIDDLE COUNTRY ROAD
CALVERTON, NY 11933
TOWN OF RIVERHEAD, COUNTY OF SUFFOLK
DIST: 600, SECT: 116, BLOCK: 1, LOT: 2
ZONE: INDUSTRIAL C

DRAWING TITLE:
COVER SHEET
DRAWING No.:
C-1
PAGE No.:
1 OF 35

SITE REMOVAL NOTES

- EXCAVATION SHALL BE PROPERLY BACKFILLED WITH CLEAN, SUITABLE MATERIAL. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT OR CONSULT WITH THE GEOTECHNICAL ENGINEER FOR INSPECTION AND CERTIFICATION.
- THE CONTRACTOR SHALL INSTALL A TEMPORARY PROTECTIVE FENCE IN ACCORDANCE WITH FEDERAL, STATE, COUNTY AND LOCAL CODES AND REGULATIONS AT LOCATIONS WHERE HAZARDOUS CONDITIONS EXIST AS A RESULT OF REMOVAL ACTIVITIES.
- THE UTILITY INFORMATION SHOWN ON THE PLAN IS A COMPLIANCE OF FIELD LOCATIONS. ABOVEGROUND STRUCTURES THAT WERE VISIBLE AND ACCESSIBLE IN THE FIELD, AND RECORD DRAWINGS AVAILABLE AT THE TIME OF THE SURVEY. THE FEASIBILITY OF ALL UTILITIES (DRAINAGE, SEWER, WATER, GAS, ELECTRIC, POWER, CABLE, ETC.) OR UNDERGROUND STRUCTURES TO BE REMOVED OR RELOCATED HAS NOT BEEN CONFIRMED WITH THE GOVERNING AGENTS AND MUST BE REVIEWED FURTHER PRIOR TO PREPARATION OF CONSTRUCTION DOCUMENTS.
- PRIOR TO STARTING ANY DEMOLITION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - ENSURE COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
 - INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
 - MAINTAINING THE EROSION CONTROL OPERATION. ALL ACTIVE SYSTEMS THAT WERE REMOVED DURING ALL DEMOLITION ACTIVITIES.
 - COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
- A COMPLETE INSPECTION OF CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY, OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED. SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ANY CONTAMINANTS SHALL BE RECOGNIZED AND DISPOSED OF IN ACCORDANCE WITH THE APPLICABLE LICENSED CONTRACTOR IN CONFORMITY WITH ALL LOCAL, STATE, AND FEDERAL LAWS. ALL ENVIRONMENTAL MATERIAL, INCLUDING HAZARDOUS MATERIAL, SOILS, ASBESTOS, OR OTHER REFERENCED OR IMPLIED HEREIN IS THE SOLE RESPONSIBILITY OF THE ENVIRONMENTAL CONSULTANT.
- IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY THE STRUCTURAL OR GEOTECHNICAL ENGINEER.
- CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES.
- DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
- 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.
- THE 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.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.
- IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL BE REQUIRED TO CALL THE BOARD OF PUBLIC UTILITIES OR CALL DAMAGE PROTECTION SYSTEMS FOR UTILITY MARK OUT IN ADVANCE OF ANY EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING.
- ALL DEMOLITION DEBRIS TO BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

GENERAL SITE NOTES

- LOCATION OF EXISTING AND PROPOSED UTILITY SERVICES SHOWN ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR, AND THE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF DISCREPANCIES EXIST, NOTIFY THE ENGINEER IMMEDIATELY IN WRITING.
- UNSUITABLE MATERIAL, CONSTRUCTION DEBRIS, EXCESS SOILS, ETC. SHALL BE PROPERLY REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND LAWS.
- THE CONTRACTOR IS RESPONSIBLE TO TAKE EROSION CONTROL MEASURES NECESSARY IN ACCORDANCE WITH NYS STANDARDS AND SPECIFICATIONS FOR EROSION & SEDIMENT CONTROL TO PREVENT SEDIMENT AND/OR LOOSE DEBRIS FROM WASHING ONTO ADJACENT ROADWAYS AND PROPERTIES.
- ALL ON-SITE CONCRETE SHALL BE IN CONFORMANCE WITH ACI PROVISIONS. ALL CURBING SHALL BE CONCRETE UNLESS OTHERWISE NOTED.
- RELOCATION AND/OR REMOVAL OF EXISTING UTILITY POLES, TRAFFIC SIGNS, ETC. SHALL BE COORDINATED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR FIELD-VERIFYING THEIR PRESENCE.
- ALL TRAFFIC CONTROL DEVICES, I.E. SIGNALS, SIGNS, AND PAVEMENT MARKINGS SHALL BE INSTALLED IN CONFORMANCE WITH THE GUIDELINES OF THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND AS DIRECTED BY THE TOWN OF RIVERHEAD. ALL PAVEMENT MARKINGS REQUIRED IN THE R.O.W. SHALL BE THERMALPLASTIC (NYSDOT SPECIFICATIONS). ON SITE MARKING SHALL BE PAINT (AASHTO M24B TYPE F).
- SIGNAGE PERMITS WILL BE PROCURED BY OTHERS.
- CONTRACTOR SHALL SAW CUT TO THE FULL DEPTH OF EXISTING PAVEMENT WITH A STRAIGHT VERTICAL EDGE FREE FROM IRRREGULARITIES WHEREVER NECESSARY. CONTRACTOR SHALL DETERMINE EXACT LOCATION AND EXTENT OF THE REQUIRED SAWCUTTING IN ORDER TO PERFORM THE WORKSCAPE DEPICTED ON THE PLANS. TWO FT MINIMUM FROM CURBS, PADS, WALKS, AND WALLS TO PERMIT PROPER COMPACTATION OF THE REPLACED SURFACE.
- REMOVAL INCLUDES, BUT IS NOT LIMITED TO, CURBING, PAVEMENT, UNSUITABLE MATERIALS, AND UNDERGROUND PIPING. QUESTIONABLE ITEMS ENCOUNTERED (ABOVE AND/OR BELOW GRADE) SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER OF RECORD IMMEDIATELY IN WRITING BEFORE REMOVAL OR DISTURBANCE.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO EXISTING FOUNDATIONS AND OTHER STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE MEASURES AS NECESSARY TO ENSURE THE STRUCTURAL STABILITY OF EXPOSED AND/OR BELOW GRADE FOUNDATIONS/ WALLS/ SIDEWALKS AND PAVEMENT TO REMAIN, AND SHALL PROVIDE A SAFE WORK AREA. ANY DAMAGE OR DISTURBANCE DUE TO SUBJECT WORKSCAPE SHALL BE REPAIRED TO LIKE-NEXT CONDITIONS AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PROTECT PEDESTRIANS AND VEHICULAR TRAFFIC DURING REMOVAL ACTIVITIES. ANY TRAFFIC CONTROL, ACTIVATION, AND/OR VEHICULAR CONTROL SYSTEMS WITHIN THE R.O.W. AND ACCESS ROUTES (E.G. ACCESSIBLE RAMPS, PEDESTRIAN CROSSWALKS, SIDEWALKS, PAVERS, STRIPS, ETC.) SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL DETERMINE APPROPRIATENESS OF REMOVAL ACTIVITIES AND PROVIDE TEMPORARY MEASURES FOR THE PROTECTION AND SAFETY OF THE PUBLIC UNTIL PERMANENT COMPONENTS/REPLACEMENTS CAN BE INSTALLED.
- THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF ITS EMPLOYEES. THE GENERAL PUBLIC, STRUCTURES TO REMAIN, AND EXISTING UTILITY POLES, ETC. DURING ALL CONSTRUCTION AND REMOVAL ACTIVITIES IN ACCORDANCE WITH FEDERAL, STATE, COUNTY AND LOCAL CODES AND REGULATIONS. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE CONTRACTOR'S SAFETY PROGRAMS & PROCEDURES IN CONNECTION WITH THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION, SIZE, TYPE, AND DEPTH OF UTILITIES, PIPING, DRENWLLS, ETC. PRIOR TO THE START OF ANY WORK. THE CONTRACTOR MUST CONTACT THE APPROPRIATE LOCAL "ONE CALL" SYSTEM TO ENSURE THAT ALL UTILITIES ARE PROPERLY AND COMPLETELY MARKED OUT IN THE FIELD PRIOR TO ANY WORK AT THE SITE. ANY DISCREPANCIES BETWEEN THE FIELD LOCATIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IN WRITING IMMEDIATELY. THE CONTRACTOR IS ADVISED THAT UTILITY INFORMATION SHOWN ON THE PLANS IS A COMPLIANCE OF FIELD LOCATIONS. ABOVEGROUND STRUCTURES THAT WERE VISIBLE AND ACCESSIBLE IN THE FIELD, AND RECORD DRAWINGS AVAILABLE AT THE TIME OF THE SURVEY AND MUST BE CONFIRMED ACCORDINGLY. THE CONTRACTOR SHALL COORDINATE UTILITY DISCONNECTION WITH THE APPLICABLE UTILITY COMPANIES PRIOR TO REMOVAL ACTIVITIES. THE CONTRACTOR IS ALSO ADVISED THAT ALL SUCH FACILITIES DISRUPTED DURING CONSTRUCTION MUST BE REPAIRED OR RELOCATED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COMPLETELY FILL BELOW GRADE AREAS AND Voids RESULTING FROM THE REMOVAL OF STRUCTURES AND FOUNDATIONS WITH SOIL CONSISTING OF MATERIALS FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. STONES USED SHALL NOT EXCEED 6 INCHES IN LENGTH AND 3 INCHES IN THICKNESS. ALL SOILS USED FOR FILL SHALL BE FREE OF ALL DEBRIS AND MATERIALS. THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, AND OTHER MATERIAL TRASH AND DEBRIS. PLACE FILL MATERIAL IN HORIZONTAL LAYERS NOT EXCEDING 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. REFER TO GEOTECHNICAL REPORT (IF PROVIDED) FOR FURTHER RECOMMENDATIONS. REFER TO GRADING PLAN FOR PROPOSED SURFACE ELEVATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES REGARDING MATERIALS AND INSTALLATION OF PROPOSED WORK, FOR OBTAINING THE REQUIRED PERMITS, SIGN OFFS, AND CONSTRUCTION INSPECTIONS, ACCORDING TO GOVERNING BUILDING CODES AND DISPOSAL OF ALL MATERIAL IN ACCORDANCE WITH STATE AND LOCAL LAW.
- SIDEWALKS, CURBS, OR OTHER EXISTING SITE APPURTENANCES DAMAGED BY CONSTRUCTION SHALL BE REPAIRED OR REPLACED IN KIND OR UNLESS NOTED OTHERWISE (UNO), WHETHER SPECIFIED ON THIS PLAN OR NOT, AT THE SOLE COST OF THE CONTRACTOR.
- THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS.
- SEQUENCE AND COORDINATION OF CONSTRUCTION IS SOLELY THE CONTRACTOR'S RESPONSIBILITY.
- ANY UTILITIES INCLUDING POLES REQUIRED TO BE RELOCATED DUE TO THE INSTALLATION OF THE REQUIRED IMPROVEMENTS SHALL BE RELOCATED AT THE EXPENSE OF THE APPLICANT/OWNER/DEVELOPER/CONTRACTOR.
- ALL TRAFFIC ROAD MARKINGS, ROAD SIGNS, AND LIGHT SIGNALS THAT MAY HAVE BEEN MOVED OR DAMAGED IN THE PROCESS OF CONSTRUCTION SHALL BE RESTORED AT THE APPLICANT'S EXPENSE TO AT LEAST THE SAME QUALITY AND CHARACTERISTICS THAT EXISTED BEFORE CONSTRUCTION BEGAN. THE APPLICANT SHALL BE FURTHER RESPONSIBLE TO INSURE THAT, IN THE ROADWAYS ADJACENT TO THE CONSTRUCTION SITE, THESE MARKINGS, SIGNS AND SIGNALS, ARE MAINTAINED DURING THE ENTIRE PERIOD OF CONSTRUCTION. IF REPLACEMENT OR UPGRADE IS REQUIRED, SAME MUST BE APPROVED BY THE TOWN OF RIVERHEAD.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORKSCAPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATED TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODE.
- THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST O.S.H.A. STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF O.S.H.A., AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 1.0% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 0.5% MINIMUM ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE IDENTIFIED TO THE PROJECT ENGINEER IN WRITING IMMEDIATELY/ PROCEEDING WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.
- IN CASE OF DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS, IMMEDIATELY NOTIFY THE PROJECT ENGINEER IN WRITING OF ANY CONFLICTS.
- CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO PROJECT ENGINEER AND OWNER PRIOR TO INITIATING WORK.
- THE CONTRACTOR MUST NOTIFY THE TOWN OF RIVERHEAD ENGINEERING DIVISION AND SCDS#48 HOURS IN ADVANCE OF THE COMMENCEMENT OF ANY ON-SITE DRAINAGE, SANITARY, CURB, OR PAVING WORK.
- THE OWNER SHALL PROVIDE WAYFINDING SIGNAGE ON-SITE.
- THE OWNER SHALL PROVIDE THE SEPARATE DUMPSTERS FOR THE APPROPRIATE REFUSE SUCH AS TRASH, RECYCLING, ETC.

GRADING & DRAINAGE NOTES

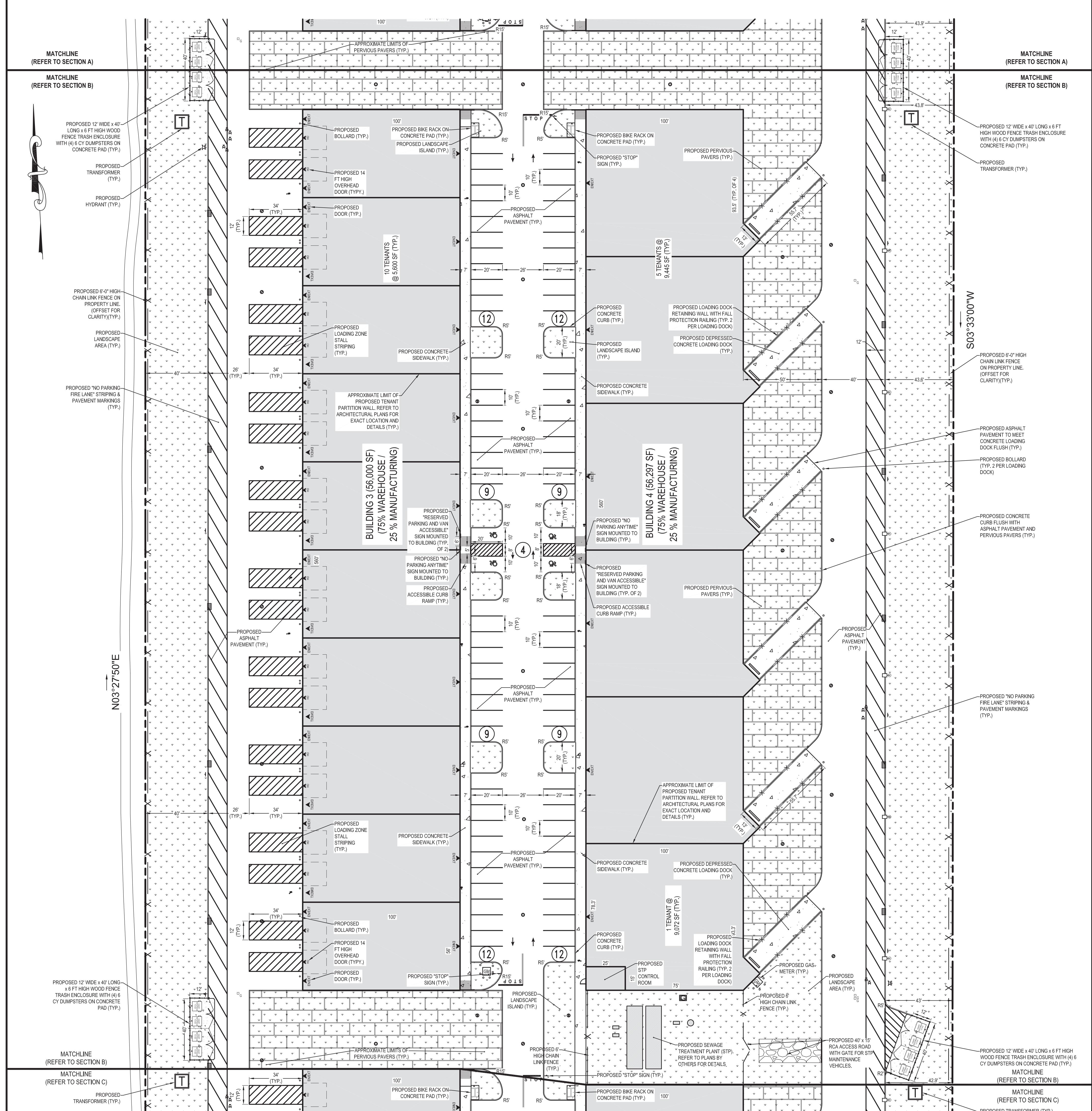
- STORMWATER RUNOFF COEFFICIENTS PER TOWN OF RIVERHEAD:
 - ROOF = 1.00
 - PAVEMENT/IMPERVIOUS = 1.00
 - LANDSCAPE/PERVIOUS = 0.20
- PROVIDE STORMWATER RUNOFF STORAGE FOR 2" RAINFALL PER TOWN OF RIVERHEAD REQUIREMENTS
- DRYWELL DESIGN CAPACITY:
 - 10 DIAMETER = 68.42 CF/WF
 - 12 DIAMETER = 100.88 CF/WF
- ALL PROPOSED DRAINAGE INTERCONNECTING PIPING SHALL BE SMOOTH WALL HDPE WITH A MINIMUM DIAMETER OF 18 INCHES.
- TOP OF EFFECTIVE DEPTH IN LEACHING STRUCTURES SHALL BE NO HIGHER THAN THE GRATE ELEVATION OF THE LOWEST INLET IN THE IMMEDIATE SYSTEM.
- ALL LANDINGS AND WALKWAYS SHALL HAVE A MINIMUM OF 1.0% CROSS SLOPE AWAY FROM THE BUILDING OR SLOPE TOWARDS AN INLET / LOW SPOT.
- CONTRACTOR SHALL CLEAN ALL EXISTING/PROPOSED DRAINAGE STRUCTURES AND INTERCONNECTING PIPES AT THE END OF CONSTRUCTION.
- ALL ACCESSIBLE PARKING, CURB RAMPS, AND OTHER APPURTENANCES OF ACCESSIBLE ROUTES ARE TO MEET THE REQUIREMENTS OF THE 2020 NYS BUILDING CODE CHAPTER 11-ACCESSIBILITY AND ICBCANS A11.17 - 2017. ACCESSIBLE STALLS SHALL HAVE NO SLOPE GREATER THAN 2.0% IN ANY DIRECTION AND THE PROPOSED SIDEWALK SHALL NOT EXCEED A 5.0% RUNNING SLOPE AND 2.0% CROSS SLOPE.
- LOCATION OF EXISTING UTILITY SERVICES ARE UNKNOWN AND SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR WITH THE UTILITY COMPANIES AND/OR PRIVATE MARK OUT COMPANIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- IF WET CONDITION IS ENCOUNTERED, CONTRACTOR SHALL USE 3/4" CLEAN WASHED STONE IN LIEU OF SAND BACKFILL.
- THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEAN-OUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.

SOIL EROSION & SEDIMENT CONTROL NOTES

- THE STORMWATER POLLUTION PREVENTION PRACTICES PROPOSED HEREON HAVE BEEN IDENTIFIED AS THE MINIMUM RECOMMENDED PRACTICES. ADDITIONAL STORMWATER MANAGEMENT FACILITIES OR PRACTICES SHALL BE INSTALLED TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AND PREVENT THE INCIDENTAL DISCHARGE OF SILT/LADEN RUNOFF FROM EXITING THE SITE. CONTRACTOR TO NOTIFY IN WRITING AND CONSULT WITH THE ENGINEER OF RECORD IF ADDITIONAL MEASURES ARE REQUIRED OR IF THERE IS EVIDENCE INDICATING POTENTIAL OR REALIZED IMPACTS ON WATER QUALITY DUE TO ANY STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- NOTHING IN THIS STORMWATER POLLUTION PREVENTION PLANS DRAWING OR REPORTS RELIEVES THE CONTRACTOR OR OWNER/OPERATOR FROM OBTAINING ANY OTHER PERMITS REQUIRED BY LAW OR COMPLIANCE WITH TAKING ALL REASONABLE STEPS TO MINIMIZE OR PREVENT ANY DISCHARGE IN VIOLATION OF NYS DEC PERMIT NO. GP-0-20-001 OR WHICH HAS A REASONABLE LIKELIHOOD OF ADVERSELY AFFECTING HUMAN HEALTH OR THE ENVIRONMENT.
- ALL STORMWATER MANAGEMENT PRACTICES SHALL BE INSPECTED BY THE ENGINEER OF RECORD AS THEY ARE CONSTRUCTED. NOTIFY ENGINEER OF THE START OF CONSTRUCTION AND DURATION A MINIMUM OF 2 WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. WITHOUT PROPER INSPECTION, CONTRACTOR MAY BE REQUIRED TO REMOVE AND REINSTALL STORMWATER MANAGEMENT PRACTICES AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL BE FAMILIAR WITH THE NEW YORK STATE STANDARDS AND SPECIFICATION FOR EROSION AND SEDIMENT CONTROL ("BLUE BOOK") DATED NOVEMBER 2016 AND THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, DATED JANUARY 2015.
- EROSION CONTROL MEASURES TO PREVENT THE INCIDENTAL DISCHARGE OF SILT/LADEN RUNOFF FROM EXITING THE SITE SHALL, AT A MINIMUM, CONFORM TO THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL UNLESS ADDITIONAL MEASURES ARE NOTED OR REQUIRED BY THE ENGINEER OF RECORD.
- IT SHALL NOT BE A DEFENSE FOR A CONTRACTOR OR AN OWNER/OPERATOR IN AN ENFORCEMENT ACTION THAT IT WOULD HAVE BEEN NECESSARY TO HALT OR REDUCE THE CONSTRUCTION ACTIVITY IN ORDER TO MAINTAIN COMPLIANCE WITH OR IMPLEMENT EROSION AND SEDIMENT CONTROL PRACTICES. SOIL EROSION CONTROL MEASURES SHALL BE ADJUSTED/ RELOCATED BY CONTRACTOR AS IDENTIFIED DURING SITE INSPECTIONS IN ORDER TO MAINTAIN EFFECTIVENESS OF CONTROL MEASURES.
- THE COSTS OF INSTALLING AND MAINTAINING THE EROSION CONTROL MEASURES SHALL BE DEEMED INCLUDED IN THE PRICE BID FOR THE SITE WORK.
- INSTALLATION OF EROSION CONTROL, CLEARING, AND SITE WORK SHALL BE DONE AS INDICATED IN THE CONSTRUCTION SEQUENCE.
- INSTALLATION OF EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROL PRACTICES AND POLLUTION PREVENTION MEASURES BEING IMPLEMENTED AFTER EACH RAINFALL EVENT AND DAILY WITHIN THE ACTIVE WORK AREA TO ENSURE THAT THEY ARE BEING MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES. INSPECTION OF ALL IMPLEMENTED PRACTICES SHALL OCCUR WEEKLY AT A MINIMUM. IF DEFICIENCIES ARE IDENTIFIED, THE CONTRACTOR SHALL BEGIN IMPLEMENTING CORRECTIVE ACTIONS WITHIN ONE BUSINESS DAY AND SHALL COMPLETE THE CORRECTIVE ACTIONS IN A REASONABLE TIME FRAME.
- CONTRACTOR SHALL REMOVE ANY SILT FROM SOIL EROSION AND SEDIMENT CONTROL MEASURES WHEN IT REACHES (1/2) ONE-HALF ACCUMULATION UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER. THE MATERIAL SHOULD BE INCORPORATED INTO THE SITE IN A STABILIZED MANNER.
- TEMPORARY SEED AND MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINISHED GRADE AND VEGETATED WITHIN 15 DAYS. WHEN AREAS ARE DISTURBED AFTER THE GROWING SEASON, THEY SHALL BE STABILIZED WITH GEOTEXTILE FABRIC AND MAINTAINED ACCORDING TO BEST PRACTICES.
- CONTINUE INSPECTION AND REPAIR OF STORMWATER POLLUTION PREVENTION MEASURES UNTIL THE COMPLETION OF CONSTRUCTION AND PERMANENT STABILIZATION IS ACHIEVED.
- REMOVE EROSION CONTROL MEASURES, SILT, AND DEBRIS UPON ESTABLISHMENT OF PERMANENT STABILIZED COVER OF ALL UPSTREAM / TRIBUTARY AREAS.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL CITY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.
- THESE PLANS ARE BASED ON INFORMATION AVAILABLE TO OUR OFFICE AT THE TIME OF PLAN PREPARATION. CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS AND NOTIFY OUR OFFICE IF ACTUAL SITE CONDITIONS DIFFER FROM THAT SHOWN ON THE PLAN, OR IF THE PROPOSED WORK WOULD BE IMPACTED BY ANY OTHER SITE FEATURES.
- CONTRACTOR SHALL CLEAN ALL ON-SITE EXISTING & PROPOSED DRAINAGE STRUCTURES AND INTERCONNECTING PIPE AT END OF PROJECT AS WELL AS ANY OFF-SITE DRAINAGE STRUCTURES THAT MAY HAVE RECEIVED RUNOFF FROM THE SITE.
- CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION BEYOND THE LIMITS OF DISTURBED AREA AS NECESSARY TO PREVENT SILT AND DEBRIS FROM CONSTRUCTION ACTIVITIES GETTING INTO ANY DRAINAGE SYSTEM FOR WHICH THE PROJECT IMPACTS.
- CONTRACTOR SHALL LOCATE CONCRETE WASHOUT AREA, STOCKPILE AREA, AND CONSTRUCTION WASTE MATERIAL STORAGE AREAS SO AS TO MINIMIZE EXPOSURE TO STORMWATER. CONSTRUCTION WASTE SHALL BE IMMEDIATELY PLACED IN ON-SITE STORAGE CONTAINERS UNTIL READY FOR OFF-SITE DISPOSAL. CONTRACTOR SHALL MAINTAIN SPILL PREVENTION & RESPONSE EQUIPMENT AND MAKE AVAILABLE ON-SITE FOR USE BY CONTRACTOR'S EMPLOYEES TRAINED IN THE APPLICATION OF SPILL PREVENTION & RESPONSE PROCEDURES.
- CONTRACTOR SHALL IDENTIFY LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE WASHOUT AREAS AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED ON THE PLAN.
- DEWATERING (IF REQUIRED) SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL & STATE REGULATIONS, AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY NECESSARY ASSOCIATED DISCHARGE PERMITS.
- THE FOLLOWING EROSION CONTROL MEASURES ARE PROPOSED FOR THIS SITE:
 - STABILIZED CONSTRUCTION ENTRANCE EXIT - A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/ EXIT SHALL BE INSTALLED AT THE DRIVEWAY ON LANDER ROAD; THIS AREA SHALL BE GRADED SO THAT RUNOFF WATER MAY BE RETAINED ON-SITE.
 - INLET PROTECTION - IMMEDIATELY UPSTREAM FOR EACH INLET AT A MINIMUM, THE INLET PROTECTION ARE INSTALLED.
 - DISCHARGE STOCKPILES OF SOIL SHALL BE LIMITED TO 15' MAXIMUM HEIGHT AND REMOVED OR UTILIZED FOR SITE CONSTRUCTION AS SOON AS PRACTICABLE. SHOULD EXCESSIVE DUST BE GENERATED, THE CONTRACTOR SHALL APPLY WATER TO BARE SOIL SURFACES TO MINIMIZE BLOWING DUST.
- THE RIGHT-OF-WAY IS NOT TO BE USED FOR STORAGE OR STAGING OF EQUIPMENT OR MATERIALS DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE RIGHT-OF-WAY DURING CONSTRUCTION AND SHOULD INSTALL FENCING ALONG THE PROPERTY'S FRONTEAGE TO LIMIT ACCESS FOR CONSTRUCTION VEHICLES TO DEFINED POINTS OF INGRESS/EGRESS.
- IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS PERMANENTLY OR TEMPORARILY (EXISTING DISTURBED AREA WILL NOT BE DISTURBED AGAINST WITHIN 14 CALENDAR DAYS OF THE PREVIOUS SOIL DISTURBANCE) CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN SEVEN (7) DAYS FROM THE DATE THE CURRENT SOIL DISTURBANCE ACTIVITY CEASED.
- CONTRACTOR SHALL SCHEDULE ON-SITE PRE-CONSTRUCTION MEETING A MINIMUM 5 DAYS PRIOR TO ANY GROUND DISTURBANCE WITH THEIR TRAINED CONTRACTOR, OWNER, AND ENGINEER OF RECORD.

LANDSCAPE

- THE CONTRACTOR SHALL INSPECT SITE PRIOR TO START OF PLANTING OPERATIONS AND NOTIFY THE ENGINEER OF RECORD OF ANY CONDITIONS THAT ARE NOT SUITABLE FOR PERFORMING PLANTING OPERATIONS, AND OF ANY CONDITIONS THAT WOULD PREVENT HEALTHY GROWTH OF PLANT MATERIAL.
- THE CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING AND NEW UTILITY LINE LOCATIONS PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS IN WRITING TO THE ENGINEER OF RECORD.
- NO HEAVY EQUIPMENT, MACHINERY, OR STOCKPILING OF MATERIAL IS PERMITTED WITHIN THE DRIPLINE OF ANY EXISTING TREES THROUGHOUT THE COURSE OF THE CONTRACT.
- GROUNDCOVER AND HERBACEOUS BEDS SHALL HAVE COMPOST ADDED TO THE TOPSOIL MIX AT THE RATIO OF 2 PARTS COMPOST TO 7 PARTS TOPSOIL.
- BEFORE COMMENCING WORK, ALL EXISTING VEGETATION WHICH COULD BE IMPACTED AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES MUST BE PROTECTED FROM DAMAGE BY THE INSTALLATION OF TREE PROTECTION FENCING APPROVED BY THE ENGINEER OF RECORD. FENCING SHALL BE LOCATED AT THE DRIP-LINE OR LIMIT OF DISTURBANCE AS DEPICTED WITHIN THE APPROVED OR FINAL PLAN SET, ESTABLISHING THE TREE PROTECTION ZONE. NO WORK MAY BEGIN UNTIL THIS REQUIREMENT IS FULFILLED. THE FENCING SHALL BE INSPECTED REGULARLY BY THE LANDSCAPE CONTRACTOR AFTER PARTIALLY BACKFILLING AND LEVELING THE TRENCHES TO A HEIGHT OF 18"-24" ABOVE THE CROWN OF PIPE/CONDUIT, THE ROLL TAPE SHALL BE MOUNTED ON A WHEEL AND SPREAD ABOVE THE PREPARED SURFACE AS STRAIGHT AS POSSIBLE. THE TAPE SHALL BE HELD IN POSITION BY ADDING BACKFILL AND HAND SHOVELS BEFORE USING MECHANICAL EQUIPMENT TO FINISH THE BACKFILL.
- LANDSCAPE CONTRACTOR SHALL OBTAIN A SOIL TEST BY A CERTIFIED SOIL LABORATORY PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL ALLOW FOR A TWO WEEK TURNAROUND TIME FROM SUBMITTAL OF SAMPLE TO NOTIFICATION OF RESULTS. BASED ON SOIL TEST RESULTS, ADJUST THE RATES OF UME AND FERTILIZER THAT SHALL BE MIXED INTO THE TOP SIX INCHES (6") OF TOPSOIL. THE LINE AND FERTILIZER RATES PROVIDED WITHIN THE "SEED SPECIFICATION" IS APPROXIMATE AND FOR BIDDING PURPOSES ONLY. IF ADDITIONAL AMENDMENTS ARE NECESSARY, ADJUST THE TOPSOIL AS FOLLOWS: MODIFY HEAVY CLAY OR SILT SOLS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE (UP TO 30% BY VOLUME) OR GYPSUM. MODIFY EXTREMELY SANDY SOLS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY (UP TO 30% OF THE TOTAL MIX).
- TOPSOIL SHALL BE FERTILE, FRIMBLE, NATURAL TOPSOIL OF LOAMING CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL OBTAINED FROM A WELL-DRAINED SOIL. FREE FROM ALL CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIAL GREATER THAN ONE INCH (1"). TOPSOIL SHALL HAVE A PH RANGE OF 5.0-7.0 AND SHALL NOT CONTAIN LESS THAN 6% ORGANIC MATTER BY WEIGHT. OBTAIN TOPSOIL ONLY FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT THE PROJECT SITE.
- ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THE APPROVED OR FINAL CONSTRUCTION SET UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD. ALL PLANTING AND LAWN AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE WATER.
- LA



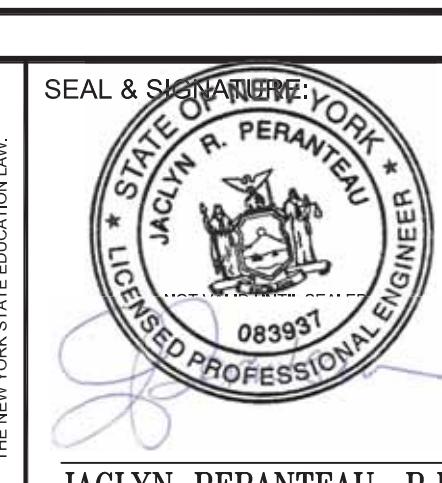
GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

**REFER TO OVERALL SITE PLAN
(SHEET C-3) FOR BULK ZONING
TABLE & PARKING REQUIREMENTS**

No.	DATE	BY	DESCRIPTION
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW



DATE:	01/24/2020
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PROJECT No.:	19026
DRAWING BY:	LC
CHECKED BY:	YT
APPROVED BY:	IP

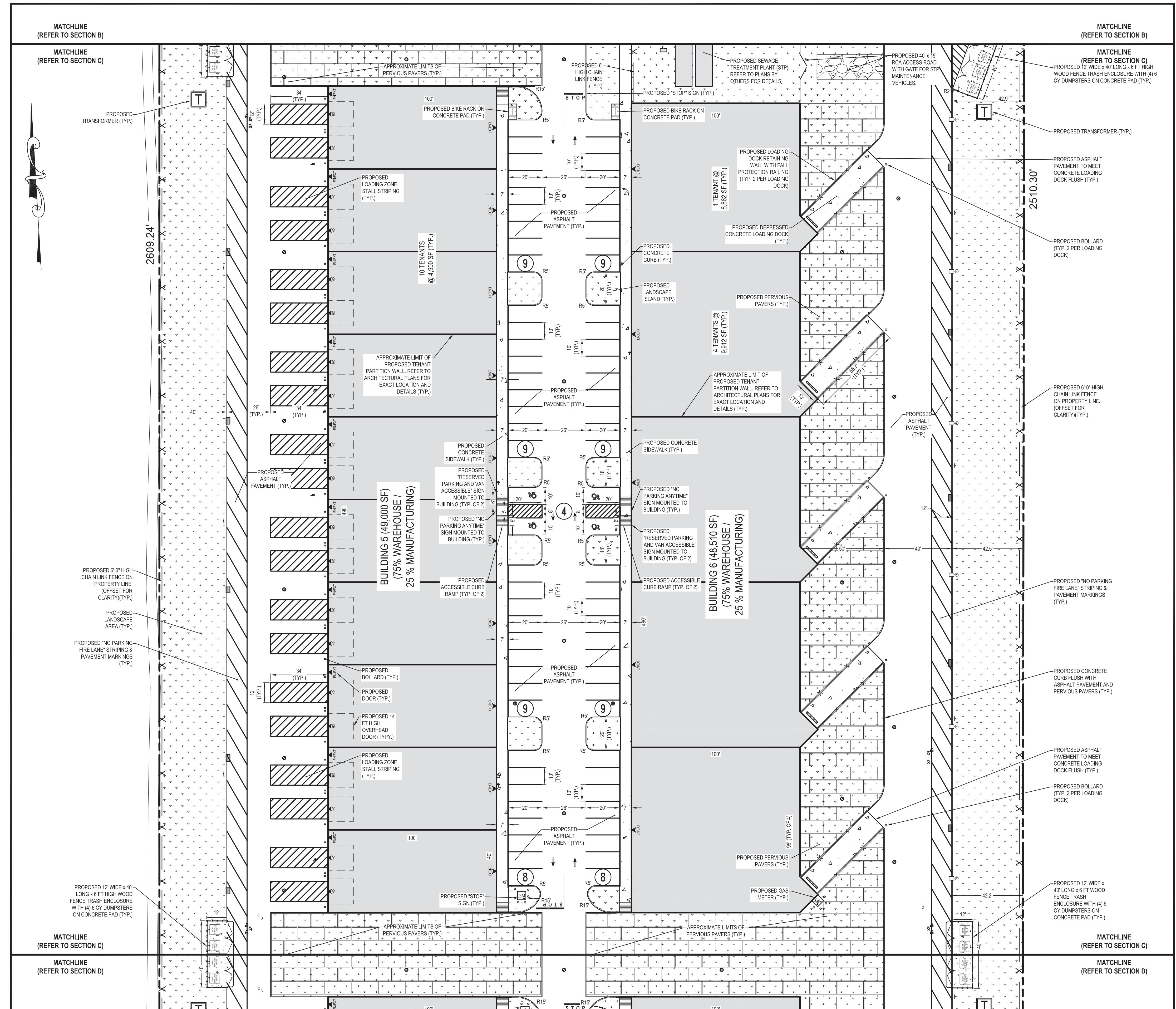
The logo for KEY Civil Engineering. It features a large, stylized blue 'K' and 'E' that are interconnected, with a smaller 'Y' to the right. A dark grey horizontal bar is positioned in the center of the 'K' and 'E'. Below the graphic, the words 'CIVIL ENGINEERING' are written in a bold, dark grey, sans-serif font.

PROJECT NAME:

HK VENTURES, LLC INDUSTRIAL PARK

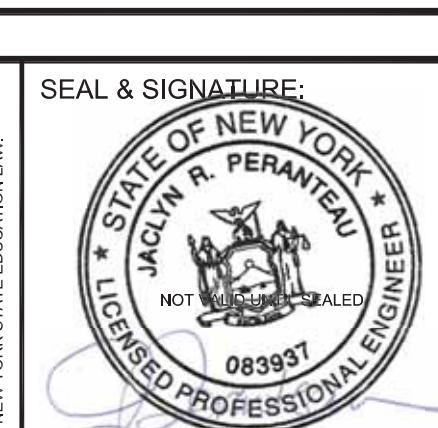
DRAWING TITLE:

PARTIAL SITE PLAN (SECTION B - PHASE I)



**REFER TO OVERALL SITE PLAN
(SHEET C-3) FOR BULK ZONING
TABLE & PARKING REQUIREMENTS**

No.	DATE	BY	DESCRIPTION
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW



DATE:
SCALE:
PROJECT No.:
DRAWING BY:
CHECKED BY:
APPROVED BY:

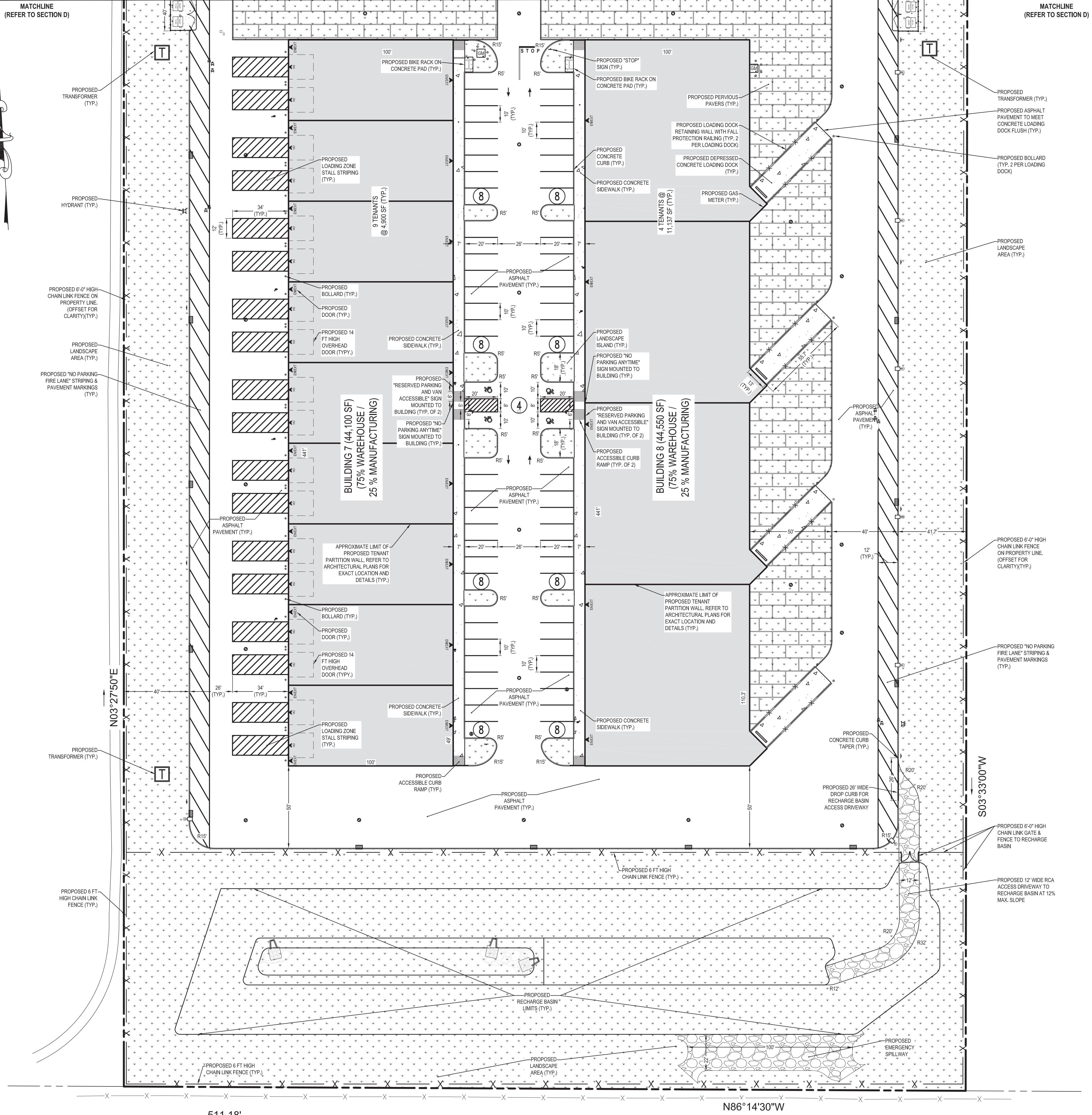


PROJECT NAME:

HK VENTURES, LLC INDUSTRIAL PARK

DRAWING TITLE:

PARTIAL SITE PLAN (SECTION C - PHASE II)



REFER TO OVERALL SITE PLAN
(SHEET C-3) FOR BULK ZONING
TABLE & PARKING REQUIREMENTS

No.	Date	By	Description
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW
REVISIONS			

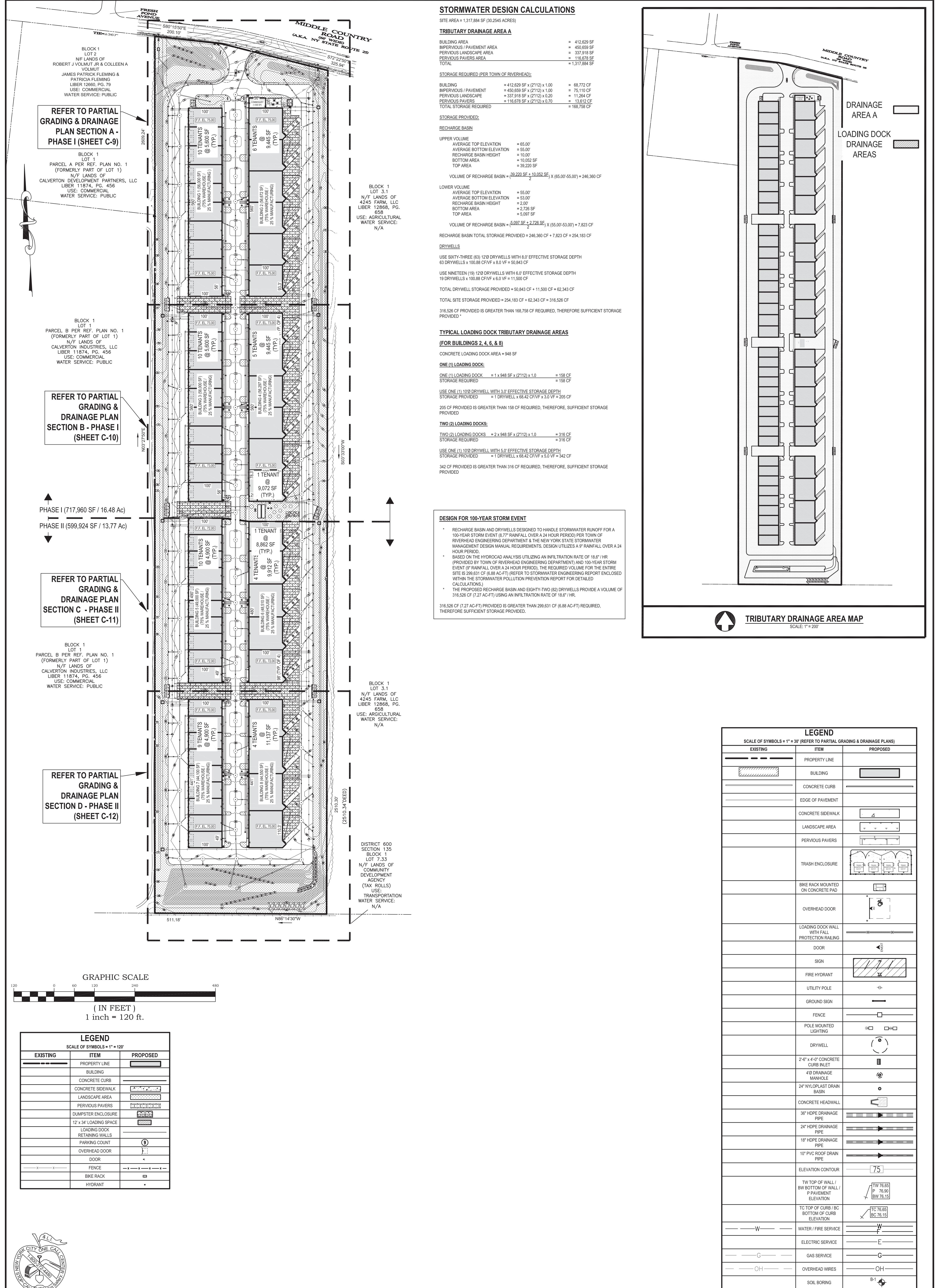


DATE: 01/24/2020
SCALE: 1" = 30'
PROJECT No.: 19026
DRAWING BY: LC
CHECKED BY: YT
APPROVED BY: JP

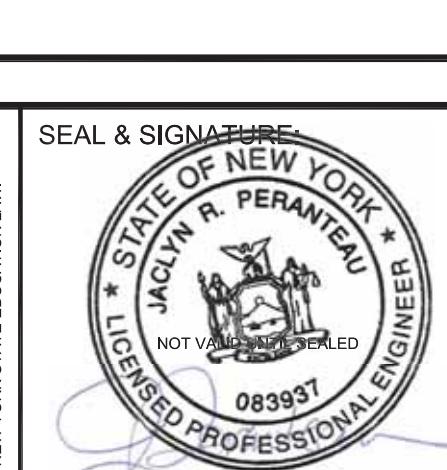
KEY
CIVIL ENGINEERING
664 BLUE POINT ROAD, UNIT B
HOLTSVILLE, NEW YORK 11742
(631) 961-0506
www.KeyCivilEngineering.com

PROJECT NAME:
HK VENTURES, LLC
INDUSTRIAL PARK
4285 MIDDLE COUNTRY ROAD
CALVERTON, NY 11933
TOWN OF RIVERHEAD, COUNTY OF SUFFOLK
DIST.: 600, SECT.: 116, BLOCK: 1, LOT: 2
ZONE: INDUSTRIAL C

DRAWING TITLE: **PARTIAL SITE PLAN
(SECTION D - PHASE II)**
DRAWING No.: C-7
PAGE No.: 7 OF 35



No.	DATE	BY	DESCRIPTION
REVISIONS			
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW



The logo is circular with a stylized apple at the top. The text "NEW YORK CITY ONE CALL CENTER" is curved along the top inner edge. In the center is a keyhole with a key inserted, and a telephone receiver is shown at the bottom. The text "1-800-272-24480" is written through the center of the logo. The letters "N.Y.C." are partially visible at the bottom.

DATE:	01/24/2020
SCALE:	1" = 120'
PROJECT No.:	19026
DRAWING BY:	LC
CHECKED BY:	YT
APPROVED BY:	JF

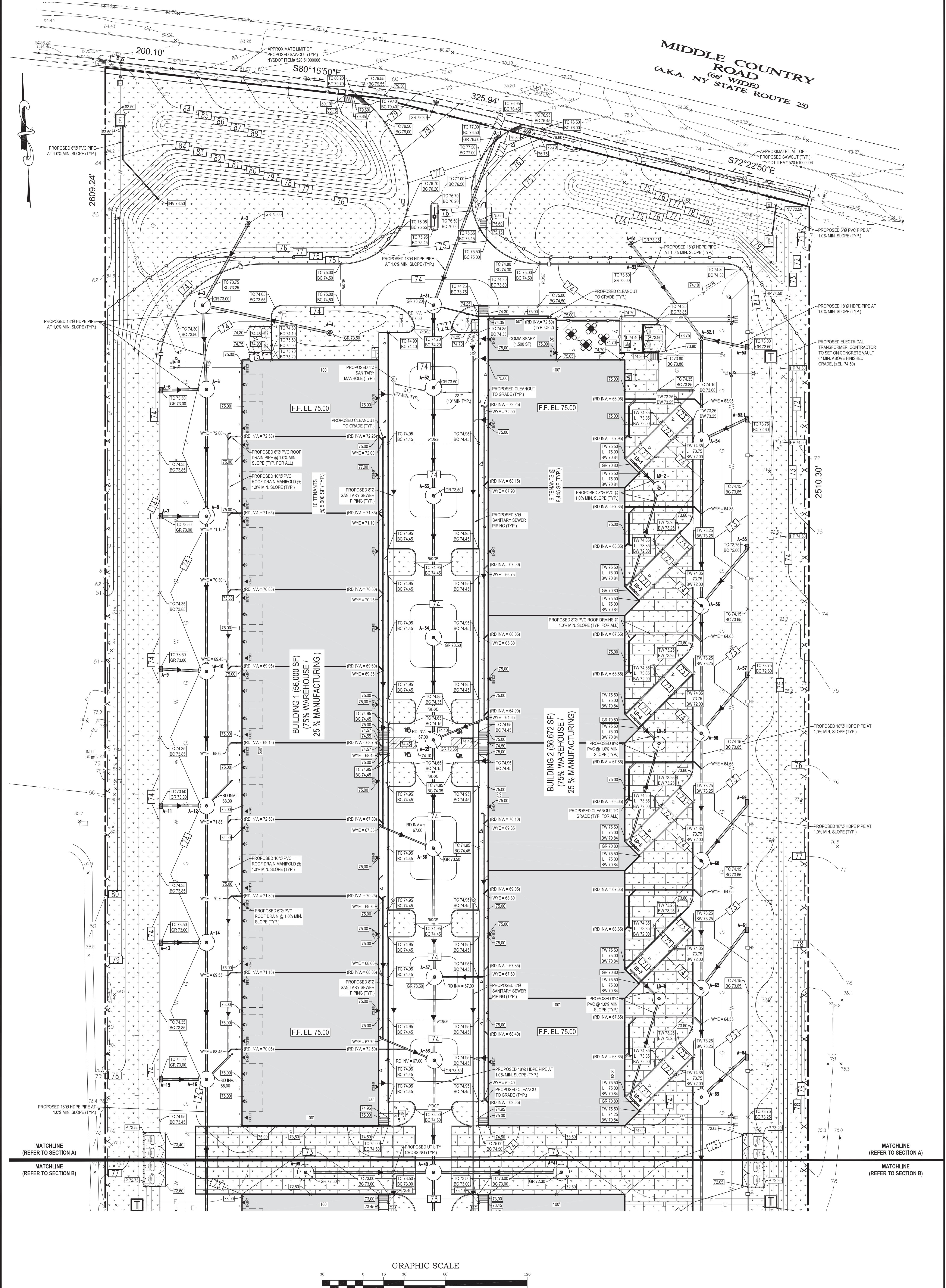


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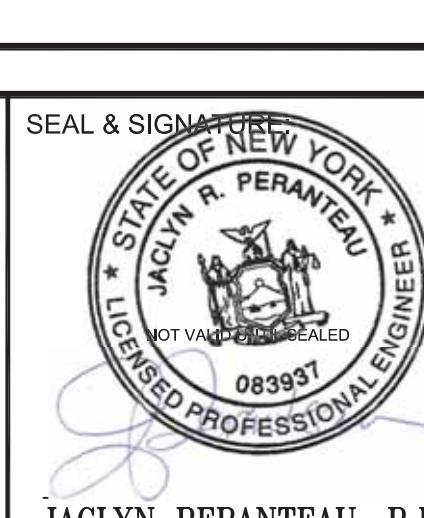
HK VENTURES, LLC INDUSTRIAL PARK

DIST.. 000, SECT.. 110, BLOCK. 1, LOT. 2
ZONE: INDUSTRIAL C

DRAWING TITLE:	OVERALL GRADING & DRAINAGE PLAN	
DRAWING No.:	C-8	
PAGE No.:	8	OF 35



No.	DATE	BY	DESCRIPTION
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.	
DATE:	01/24/2020
SCALE:	1" = 30'
PROJECT No.:	19026
DRAWING BY:	LC
CHECKED BY:	YT



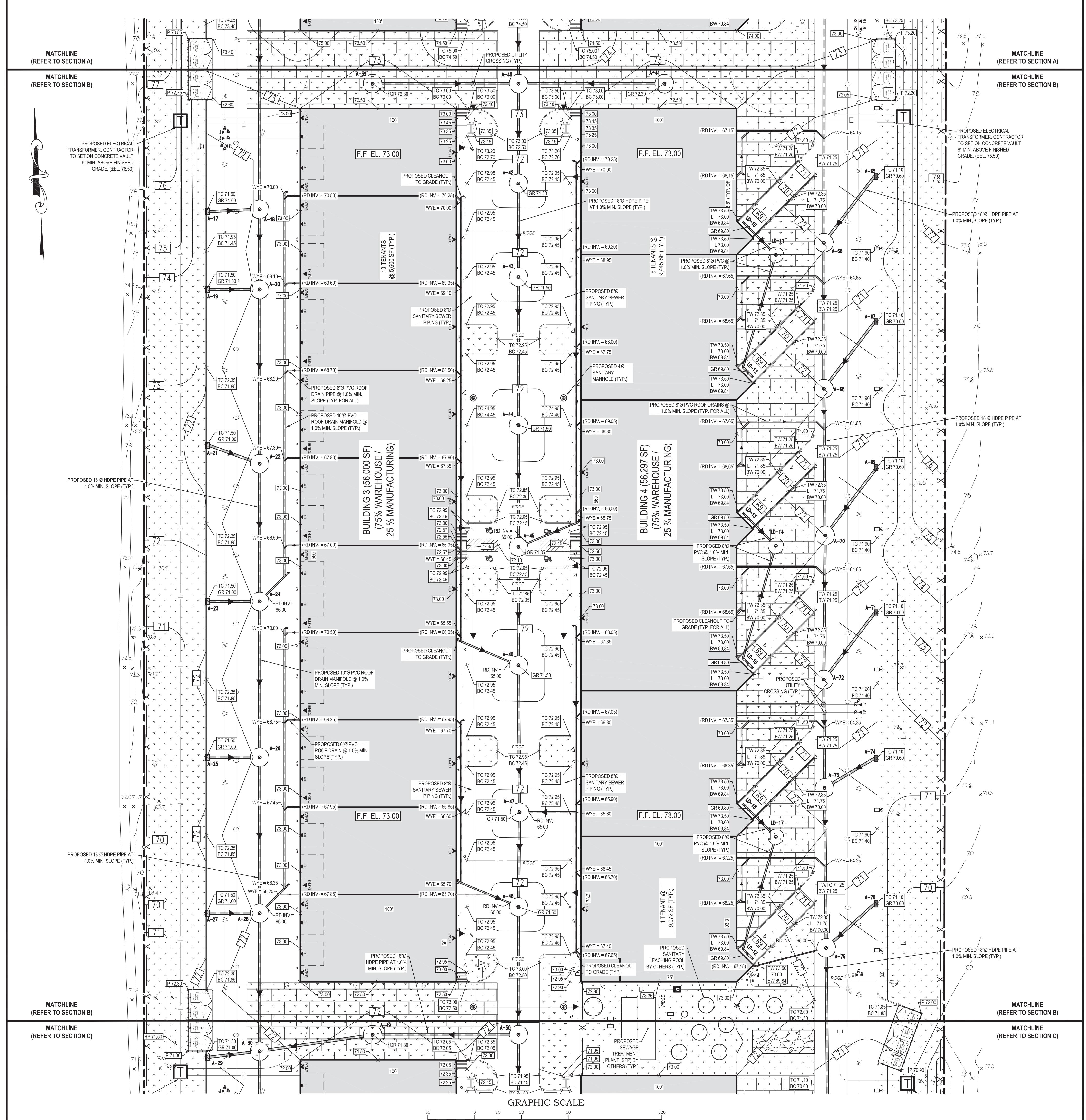
KAY
CIVIL ENGINEERS
664 BLUE POINT ROAD, UNIT 1
HOLTSVILLE, NEW YORK 11743
(631) 961-0506

PROJECT NAME:

HK VENTURES, LLC INDUSTRIAL PARK

DRAWING TITLE:

PARTIAL GRADING & DRAINAGE PLAN (SECTION A - PHASE I)



DRAINAGE STRUCTURE SCHEDULE

DRAINAGE STRUCTURE SCHEDULE								
STRUCTURE NUMBER	STRUCTURE TYPE	EFFECTIVE DEPTH	RIM/GRATE	TOP OF RINGS / STRUCTURE	BOTTOM OF RINGS / STRUCTURE	INVERT IN	INVERT OUT	SUMP
A-1	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	76.50	---	---	—	73.25	72.25
A-2	PROPOSED 4'Ø PRECAST CATCH BASIN WITH FRAME AND GRATE	—	75.00	---	---	—	71.00	70.00
A-3	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.00	68.00	59.00	63.50	65.00	---
A-4	PROPOSED 4'Ø PRECAST CATCH BASIN WITH FRAME AND GRATE	—	73.50	---	---	—	69.80	68.80
A-5	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	73.00	---	---	—	69.50	68.50
A-6	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	74.20	69.00	59.00	63.50	65.00	---
A-7	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	73.00	---	---	—	69.50	68.50
A-8	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.95	69.00	59.00	63.50	65.00	---
A-9	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	73.00	---	---	—	69.50	68.50
A-10	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	74.20	69.00	59.00	63.50	65.00	---
A-11	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	73.00	---	---	—	69.50	68.50
A-12	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	74.20	69.00	59.00	63.50	65.00	---
A-13	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	73.00	---	---	—	69.50	68.50
A-14	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	74.20	69.00	59.00	63.50	65.00	---
A-15	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	73.00	---	---	—	69.50	68.50
A-16	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	74.20	69.00	59.00	63.50	65.00	---
A-17	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	71.00	---	---	—	67.50	66.50
A-18	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	72.20	67.00	57.00	63.50	65.00	---
A-19	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	71.00	---	---	—	67.50	66.50
A-20	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	72.20	67.00	57.00	63.50	65.00	---
A-21	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	71.00	---	---	—	67.50	66.50
A-22	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	72.20	67.00	57.00	63.50	65.00	---
A-23	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	71.00	---	---	—	67.50	66.50
A-24	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	72.20	67.00	57.00	63.50	65.00	---
A-25	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	71.00	---	---	—	67.50	66.50
A-26	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	72.20	67.00	57.00	63.50	65.00	---
A-27	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	71.00	---	---	—	67.50	66.50
A-28	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	72.20	67.00	57.00	63.50	65.00	---
A-29	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	—	71.00	---	---	—	67.50	66.50
A-30	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	71.75	67.00	57.00	63.50	65.00	---
A-31	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.20	68.00	59.00	63.50	65.00	---
A-32	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.50	68.00	59.00	63.50	65.00	---
A-33	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.50	68.00	59.00	63.50	65.00	---
A-34	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.50	68.00	59.00	63.50	65.00	---
A-35	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND ADA GRATE	6'-0"	73.85	68.00	59.00	63.50	65.00	---
A-36	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.50	68.00	59.00	63.50	65.00	---
A-37	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.50	68.00	59.00	63.50	65.00	---
A-38	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	6'-0"	73.50	68.00	59.00	63.50	65.00	---

DRAINAGE STRUCTURE SCHEDULE

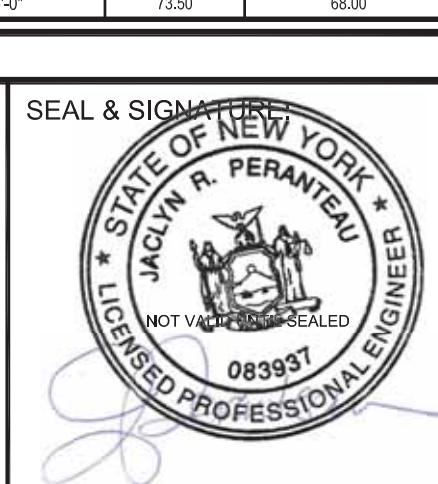
DRAINAGE STRUCTURE SCHEDULE								
STRUCTURE NUMBER	STRUCTURE TYPE	EFFECTIVE DEPTH	RIM/GRATE	TOP OF RINGS / STRUCTURE	BOTTOM OF RINGS / STRUCTURE	INVERT IN	INVERT OUT	SUMP
A-39	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	72.30	68.00	57.00	63.50	65.00	---
A-40	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	73.75	68.00	57.00	63.50	65.00	---
A-41	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	72.30	67.00	57.00	63.50	65.00	---
A-42	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	71.50	66.00	57.00	63.50	63.50	---
A-43	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	71.50	66.00	57.00	63.50	63.50	---
A-44	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	71.50	66.00	57.00	63.50	63.50	---
A-45	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND ADA GRATE	8'-0"	71.85	66.00	57.00	63.50	63.50	---
A-46	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	71.50	66.00	57.00	63.50	63.50	---
A-47	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	71.50	66.00	57.00	63.50	63.50	---
A-48	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	71.50	66.00	57.00	63.50	63.50	---
A-49	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND GRATE	8'-0"	71.30	66.00	57.00	63.50	63.50	---
A-50	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	71.90	66.00	57.00	63.50	63.50	---
A-51	PROPOSED 4'Ø PRECAST CATCH BASIN WITH FRAME AND GRATE	---	73.05	---	---	---	68.85	67.85
A-52	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	73.00	---	---	---	69.50	68.50
A-52.1	PROPOSED 4'Ø PRECAST CATCH BASIN WITH FRAME AND GRATE	---	73.15	---	---	68.00	65.00	67.00
A-53	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	72.50	---	---	---	69.00	68.00
A-53.1	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	72.60	---	---	---	69.10	68.10
A-54	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	6'-0"	73.40	69.00	59.00	63.50	65.00	---
A-55	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	72.60	---	---	---	69.10	68.10
A-56	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	6'-0"	73.75	69.00	59.00	63.50	65.00	---
A-57	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	72.60	---	---	---	69.10	68.10
A-58	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	6'-0"	73.75	69.00	59.00	63.50	65.00	---
A-59	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	72.60	---	---	---	69.10	68.10
A-60	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	6'-0"	73.75	69.00	59.00	63.50	65.00	---
A-61	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	72.60	---	---	---	69.10	68.10
A-62	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	73.75	69.00	57.00	63.50	65.00	---
A-63	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	73.50	69.00	57.00	63.50	65.00	---
A-64	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	72.60	---	---	---	69.10	68.10
A-65	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	70.60	---	---	---	67.10	66.10
A-66	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	71.75	66.00	57.00	63.50	65.00	---
A-67	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	70.60	---	---	---	67.10	66.10
A-68	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	71.75	66.00	57.00	63.50	65.00	---
A-69	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	70.60	---	---	---	67.10	66.10
A-70	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	71.75	66.00	57.00	63.50	65.00	---
A-71	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	70.60	---	---	---	67.10	66.10
A-72	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	71.75	66.00	57.00	63.50	65.00	---
A-73	PROPOSED 12'Ø PRECAST DRYWELL WITH HIGH DOME, FRAME, AND SOLID COVER	8'-0"	71.50	66.00	57.00	63.50	65.00	---
A-74	PROPOSED 2'-6" x 4' PRECAST CATCH BASIN WITH FRAME AND CURB INLET	---	70.60	---	---	---	67.10	66.10

No.	DATE	BY	DESCRIPTION
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW

ALTERATION OR ADDITION TO THIS DOCUMENT
ACCEPT BY A LICENSED PROFESSIONAL ENGINEER IS
A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF
THE NEW YORK STATE EDUCATION LAW

SEAL & SIGNATURE:

JACLYN R. PERANTEAU
NOT VALID UNTIL SEALED
083937
JACLYN PERANTEAU, P.E.



DATE: 01/24/2020

SCALE: 1" = 30'

PROJECT No.: 19026

DRAWING BY: LC

CHECKED BY: **YT**



PROJECT NAME:

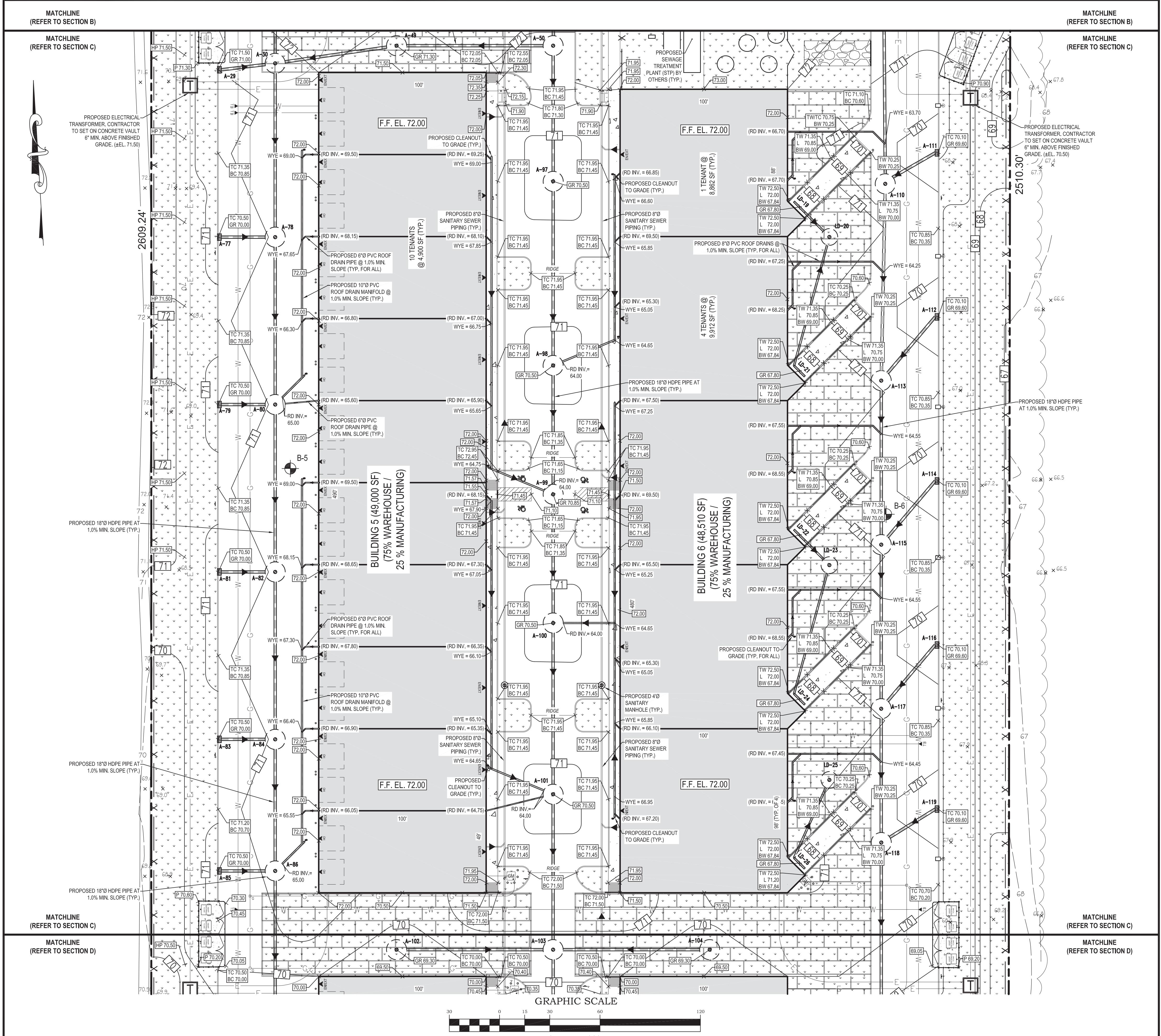
HK VENTURES, LLC INDUSTRIAL PARK

4285 MIDDLE COUNTRY ROAD
CALVERTON, NY 11933
OWN OF RIVERHEAD, COUNTY OF SUFFOLK
DIST.: 600, SECT.: 116, BLOCK: 1, LOT: 2
ZONE: INDUSTRIAL C

DRAWING TITLE:
PARTIAL GRADING & DRAINAGE PLAN
(SECTION B - PHASE 1)

1

c 10



DRAINAGE STRUCTURE SCHEDULE

DRAINAGE STRUCTURE SCHEDULE								
STRUCTURE NUMBER	STRUCTURE TYPE	EFFECTIVE DEPTH	RIM/GRATE	TOP OF RINGS / STRUCTURE	BOTTOM OF RINGS / STRUCTURE	INVERT IN	INVERT OUT	SUMP
LD-1	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	70.80	---	---	---	69.45	68.45
LD-2	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	5'-0"	74.45	70.75	65.75	68.85	---	---
LD-3	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	70.80	---	---	---	69.45	68.45
LD-4	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	70.80	---	---	---	69.45	68.45
LD-5	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	7'-0"	74.45	70.75	63.75	68.25	---	---
LD-6	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	70.80	---	---	---	69.45	68.45
LD-7	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	70.80	---	---	---	69.45	68.45
LD-8	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	3'-0"	74.45	70.75	67.75	68.95	---	---
LD-9	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	70.80	---	---	---	69.45	68.45
LD-10	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	69.80	---	---	---	68.45	67.45
LD-11	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	5'-0"	72.45	69.75	64.75	67.85	---	---
LD-12	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	69.80	---	---	---	68.45	67.45
LD-13	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	69.80	---	---	---	68.45	67.45
LD-14	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	7'-0"	72.45	69.75	62.75	67.25	---	---
LD-15	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	69.80	---	---	---	68.45	67.45
LD-16	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	69.80	---	---	---	68.45	67.45
LD-17	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	69.80	---	---	---	68.45	67.45
LD-18	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	3'-0"	72.45	69.75	66.75	67.95	---	---
LD-19	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	67.80	---	---	---	66.45	65.45
LD-20	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	5'-0"	71.45	67.75	62.75	65.85	---	---
LD-21	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	67.80	---	---	---	66.45	65.45
LD-22	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	67.80	---	---	---	66.45	65.45
LD-23	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	5'-0"	71.45	67.75	62.75	65.85	---	---
LD-24	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	67.80	---	---	---	66.45	65.45
LD-25	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	67.80	---	---	---	66.45	65.45
LD-26	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	3'-0"	71.45	67.75	64.75	65.95	---	---
LD-27	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	65.80	---	---	---	64.45	63.45
LD-28	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	5'-0"	69.45	65.75	60.75	63.85	---	---
LD-29	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	65.80	---	---	---	64.45	63.45
LD-30	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	65.80	---	---	---	64.45	63.45
LD-31	PROPOSED 10'Ø PRECAST DRYWELL WITH SHALLOW DOME, FRAME, AND SOLID COVER	5'-0"	69.45	65.75	60.75	63.85	---	---
LD-32	PROPOSED 8" WIDE TRENCH DRAIN WITH FRAME AND GRATE	---	65.80	---	---	---	64.45	63.45

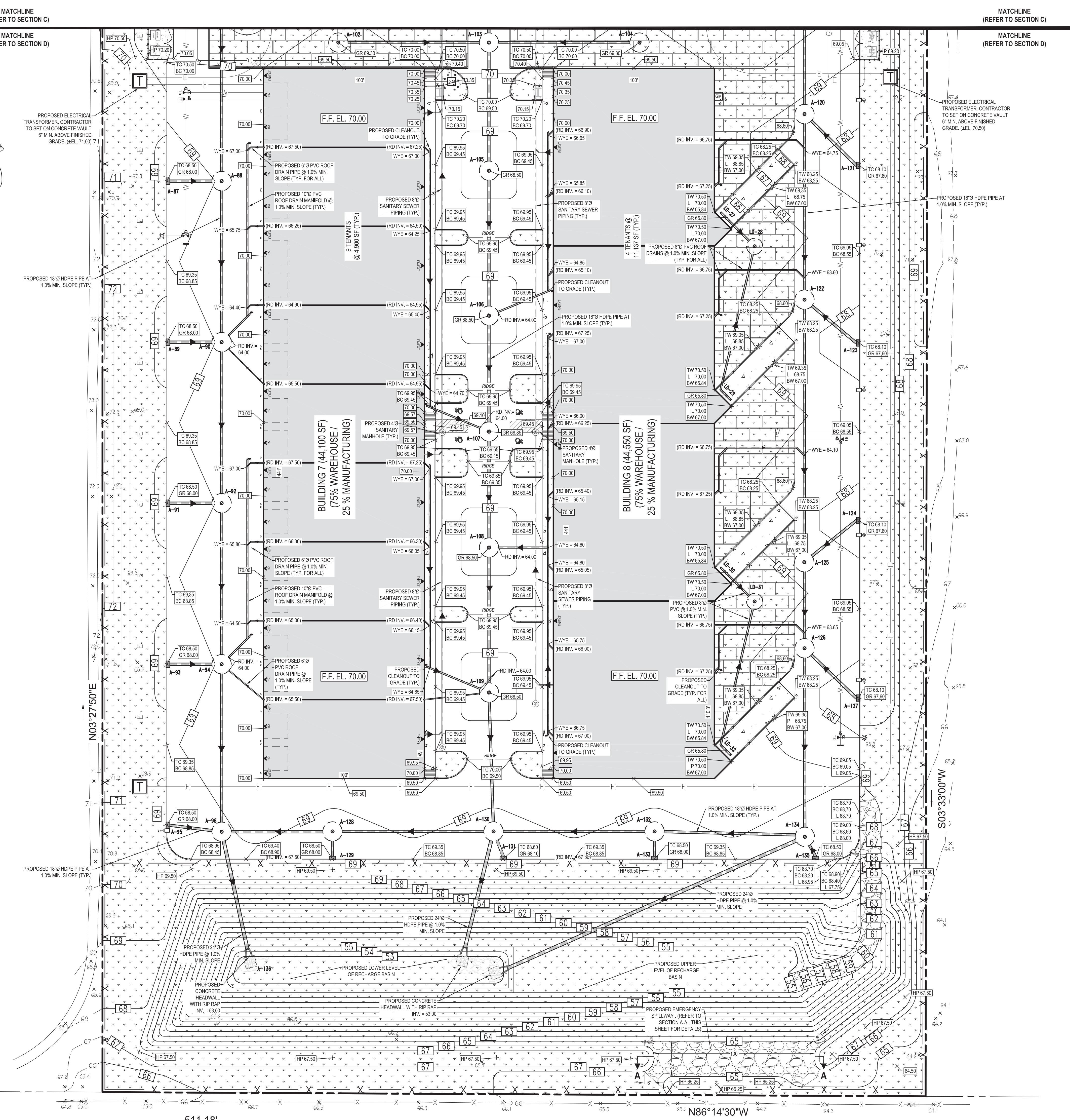
No.	DATE	BY	DESCRIPTION
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW

DATE:	01/24/2020
SCALE:	1" = 30'
PROJECT No.:	19026
DRAWING BY:	LC
CHECKED BY:	YT
APPROVED BY:	IP



PROJECT NAME:
**HK VENTURES, LLC
INDUSTRIAL PARK**

DRAWING TITLE:
**PARTIAL GRADING & DRAINAGE PLAN
(SECTION C - PHASE II)**



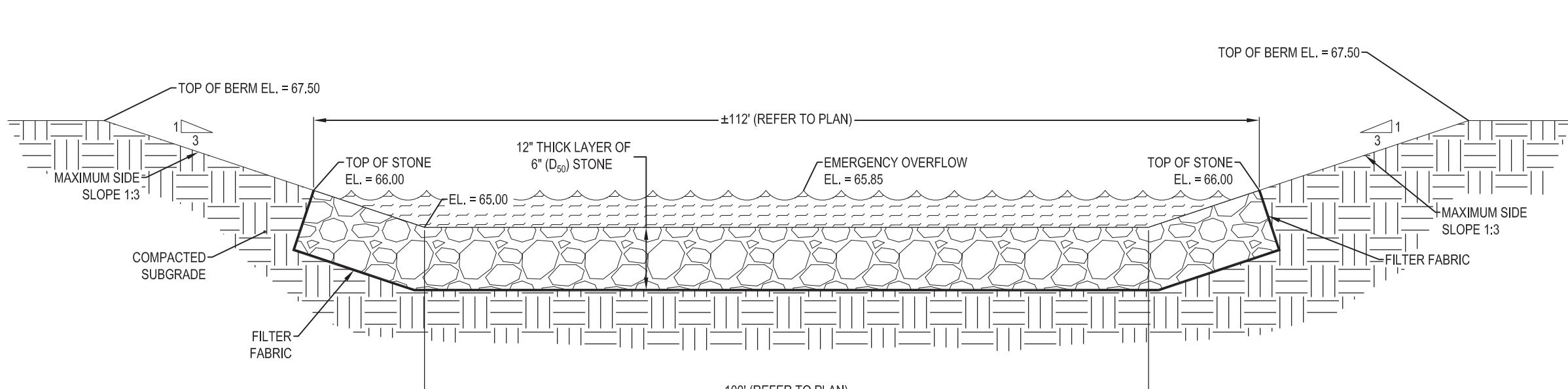
EMERGENCY SPILLWAY CALCULATIONS

DESIGN CRITERIA

DESIGN CRITERIA

1. RECHARGE BASIN IS FULL. ELEVATION OF EMERGENCY SPILLWAY TO BE TOP OF WATER IN RECHARGE BASIN (EL. = 65.00).
2. UTILIZE A 9" RAINFALL OVER A 24 HOUR PERIOD (100-YEAR STORM).
3. USING HYDROCAD ANALYSIS, THE 100-YEAR STORM FOR THE ENTIRE

6. USING HYDROCAD ANALYSIS, THE 100 YEAR STORM FOR THE ENTIRE SITE WILL GENERATE A FLOW OF 219.5 CFS.



2. SPILLWAY TO BE STABILIZED WITH RIP RAP.

NOTES

NOTES

PROJECT NAME:
**HK VENTURES, LLC
INDUSTRIAL PARK**

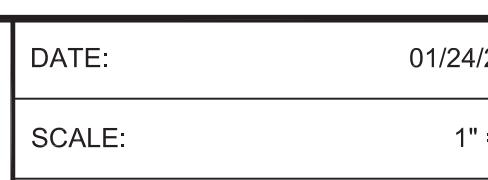
4285 MIDDLE COUNTRY ROAD
CALVERTON, NY 11933
TOWN OF RIVERHEAD, COUNTY OF SUFFOLK
DIST: 600 SECT: 116 BLOCK: 1 LOT: 2

DRAWING TITLE:

PARTIAL GRADING & DRAINAGE PLAN (SECTION D - PHASE II)

6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW
No.	DATE	BY	DESCRIPTION

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A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF
THE NEW YORK STATE EDUCATION LAW.

SEAL & SIGNATURE: 

JACLYN R. PERANTEAU, P.E.

DATE:	01/24/2020
SCALE:	1" = 30'
PROJECT No.:	19026
DRAWING BY:	LC
CHECKED BY:	YT
APPROVED BY:	JP

**HK VENTURES, LLC
INDUSTRIAL PARK**
4285 MIDDLE COUNTRY ROAD
CALVERTON, NY 11933
TOWN OF RIVERHEAD, COUNTY OF SUFFOLK
DIST.: 600, SECT.: 116, BLOCK: 1, LOT: 2
ZONE: INDUSTRIAL C

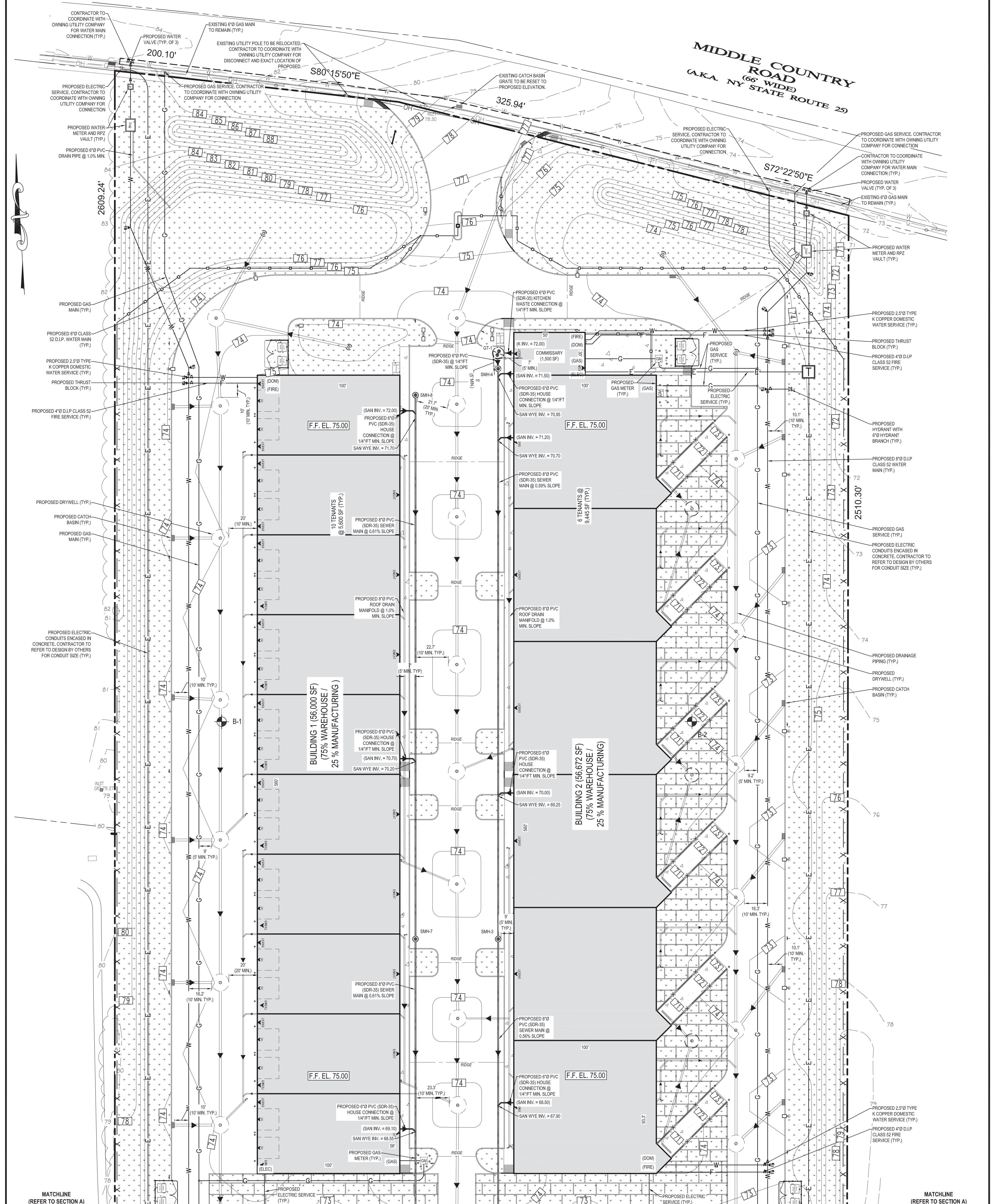
KCY
CIVIL ENGINEERING
**664 BLUE POINT ROAD, UNIT B
HOLTSVILLE, NEW YORK 11742**
(631) 961-0506
www.KevCivilEngineering.com

PROJECT NAME:
**HK VENTURES, LLC
INDUSTRIAL PARK**

DRAWING TITLE:
**PARTIAL GRADING & DRAINAGE
PLAN (SECTION D- PHASE I)**

DRAWING No.:

PAGE No.:



**REFER TO SHEET C-15 FOR SANITARY
STRUCTURE SCHEDULE AND SHEET C-18
FOR SANITARY DETAILS & BORING**

The logo for KEY Civil Engineering. It features the letters 'KEY' in a large, bold, blue sans-serif font. The 'E' is stylized with a white 'O' shape and a dark grey horizontal bar. Below 'KEY', the words 'CIVIL ENGINEERING' are written in a smaller, bold, dark grey sans-serif font.

PROJECT NAME:

HK VENTURES, LLC INDUSTRIAL PARK

4285 MIDDLE COUNTRY ROAD
CALVERTON, NY 11933
TOWN OF RIVERHEAD, COUNTY OF SUFFOLK
DIST: 600, SECT: 116, BLOCK: 1, LOT: 2

RAWING TITLE:

PARTIAL SANITARY & UTILITY PLAN (SECTION A - PHASE I)

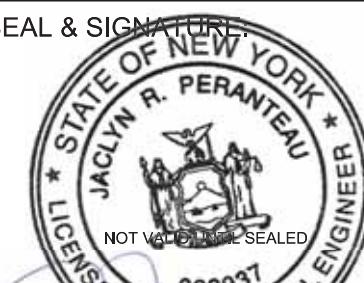
RAWING No.:

C-14

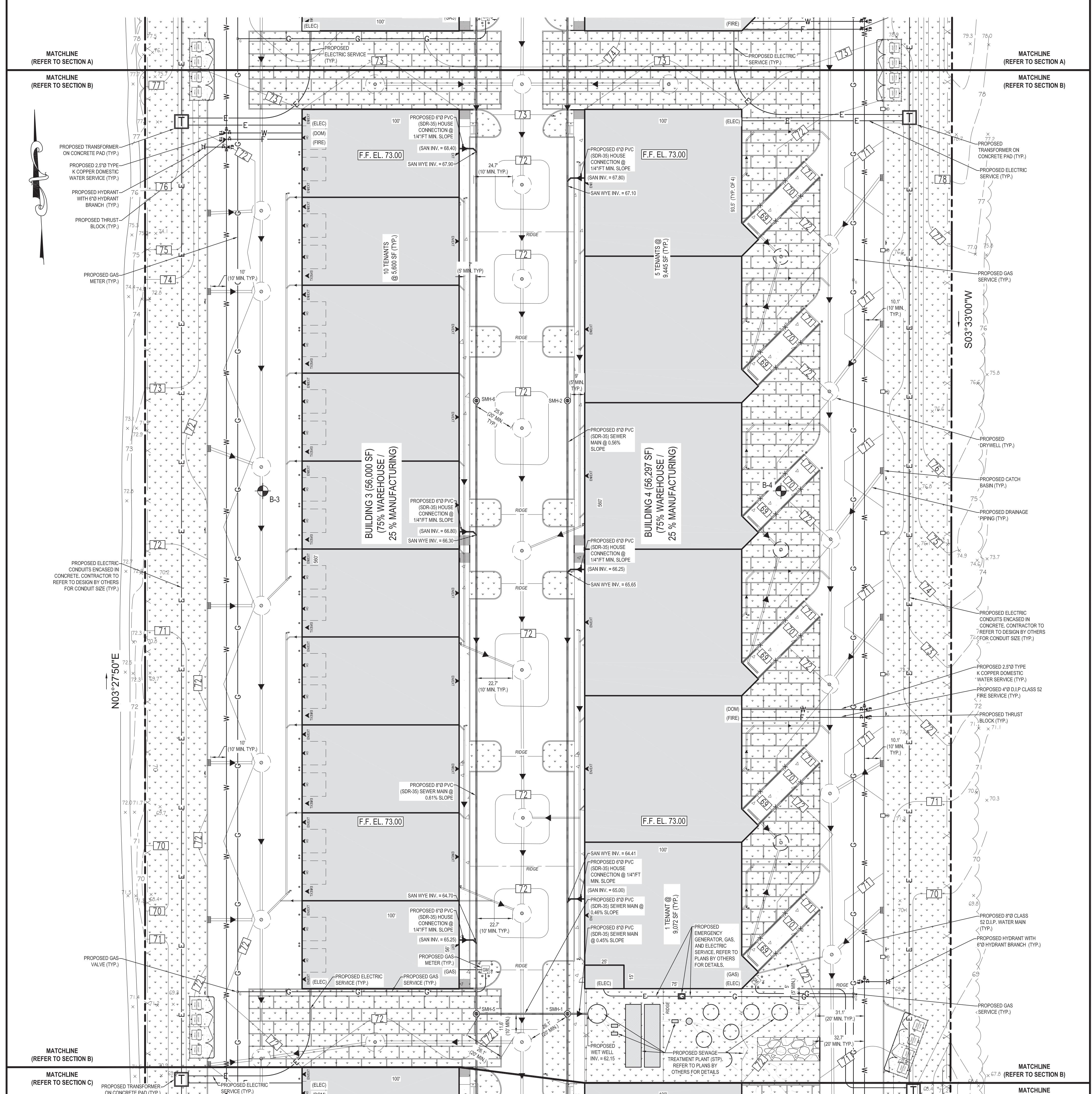
REVISIONS			
No.	DATE	BY	DESCRIPTION
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW

ALTERATION OR ADDITION TO THIS DOCUMENT
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THE NEW YORK STATE EDUCATION LAW

SEAL & SIGNATURE:



JACLYN PERANTEAU, P.E.
NEW YORK STATE PROFESSIONAL ENGINEER #083937



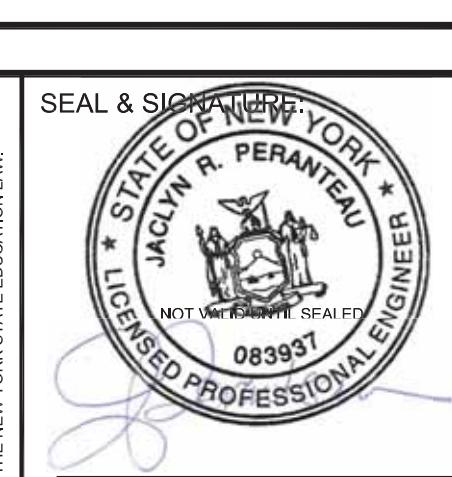
SANITARY STRUCTURE SCHEDULE							
STRUCTURE NUMBER	STRUCTURE TYPE	EFFECTIVE DEPTH	RIM/GRATE	TOP OF RINGS	BOTTOM OF RINGS	INVERT IN	INVERT OUT
GT-1	PROPOSED 10'Ø PRECAST SEPTIC TANK WITH TWO FRAMES AND SOLID COVERS	5'-0"	A. 74.40 B. 74.35	72.40	66.40	71.70	71.20
SMH-1	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	72.70	—	—	N. = 64.00 S. = 62.30 W. = 62.30	E. = 62.20
SMH-2	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	72.40	—	—	66.36	66.26
SMH-3	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	74.40	—	—	68.68	68.58
SMH-4	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	74.40	—	—	71.10	71.00
SMH-5	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	72.25	—	—	N. = 64.45 S. = 62.65	E. = 62.55
SMH-6	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	72.40	—	—	66.95	66.85
SMH-7	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	74.40	—	—	69.50	69.40
SMH-8	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	74.40	—	—	—	71.80
SMH-9	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	71.40	—	—	64.37	64.27
SMH-10	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	69.40	—	—	66.05	65.95
SMH-11	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	69.40	—	—	—	66.85
SMH-12	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	71.40	—	—	64.20	64.10
SMH-13	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	69.40	—	—	66.10	66.00
SMH-14	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	—	69.40	—	—	—	66.84

SCTM #: 600-116-1-2
SCLDS REF #: 1

A graphic scale diagram with three vertical tick marks labeled 15, 30, and 60. The first tick mark is at the left end of a horizontal line. The second tick mark is in the middle of the line, with a vertical line segment connecting it to the top of the scale. The third tick mark is at the right end of the horizontal line, with a vertical line segment connecting it to the top of the scale. The distance between the first and second tick marks is labeled 30. The distance between the second and third tick marks is labeled 60. The entire scale is labeled "GRAPHIC SCALE" at the top. Below the scale, the text "(IN FEET)" is enclosed in parentheses.

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

No.	DATE	BY	DESCRIPTION
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW



DATE:	01/24/20
SCALE:	1" = 3'
PROJECT No.:	190
DRAWING BY:	L
CHECKED BY:	Y
APPROVED BY:	

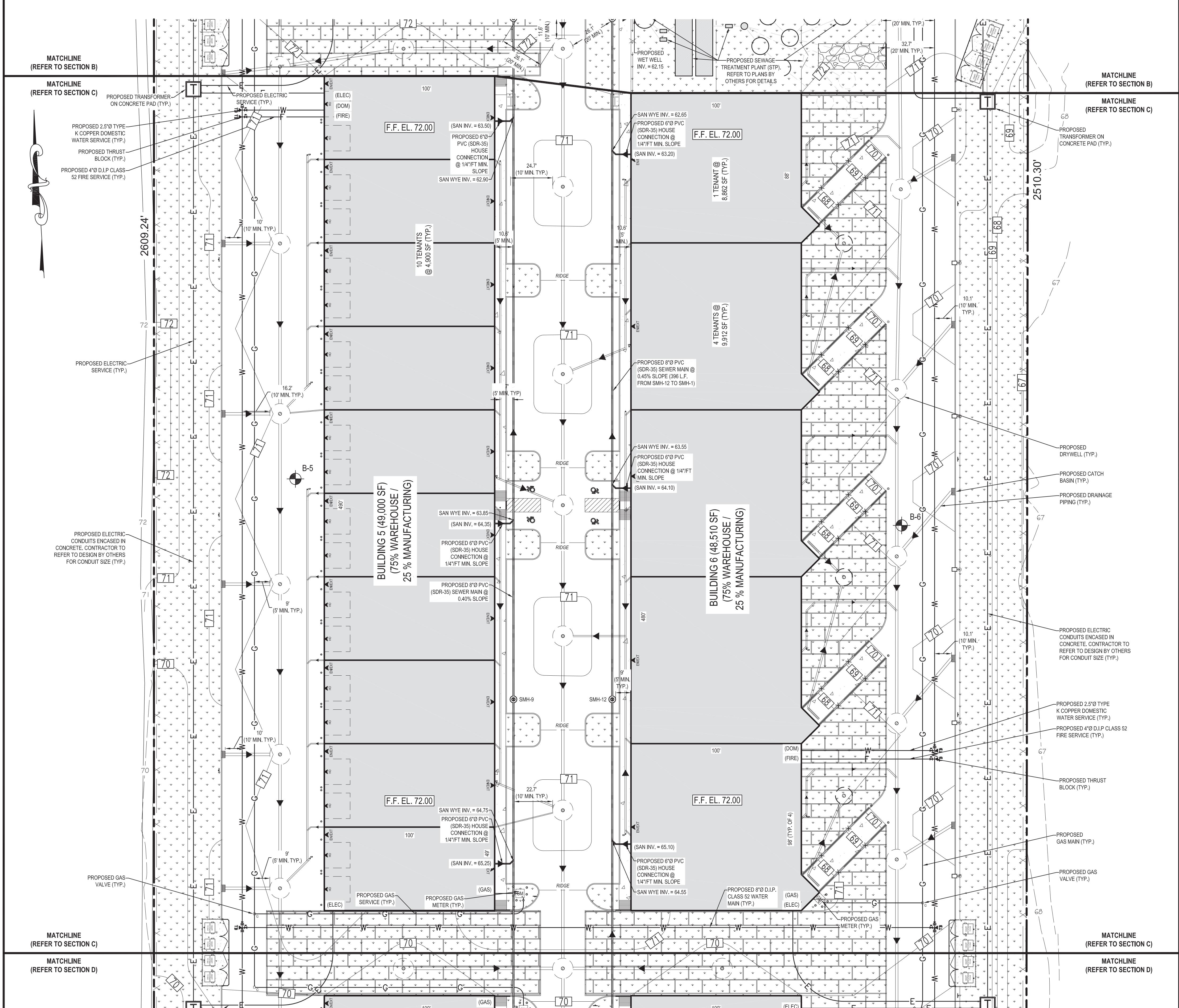


PROJECT NAME:

HK VENTURES, LLC INDUSTRIAL PARK

4285 MIDDLE COUNTRY ROAD
CALVERTON, NY 11933
TOWN OF RIVERHEAD, COUNTY OF SUFFOLK
DIST.: 600, SECT.: 116, BLOCK: 1, LOT: 2
ZONE: INDUSTRIAL C

DRAWING TITLE:	PARTIAL SANITARY & UTILITY PLAN (SECTION B - PHASE I)
DRAWING No.:	C-15



**REFER TO SHEET C-15 FOR SANITARY
STRUCTURE SCHEDULE AND SHEET C-18
FOR SANITARY DETAILS & BORING
INFORMATION**

GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.



CIVIL ENGINEERING

**664 BLUE POINT ROAD, UNIT B
HOLTSVILLE, NEW YORK 11742**

No.	DATE	BY	DESCRIPTION
6	01/24/2022	LC	MISCELLANEOUS COORDINATION
5	12/15/2021	LC	FEIS SUBMISSION
4	04/02/2021	LC	RESUBMISSION TO TOWN
3	06/22/2020	LC	MISCELLANEOUS COORDINATION
2	06/03/2020	LC	ISSUED FOR TOWN SUBMISSION
1	05/15/2020	LC	ISSUED FOR REVIEW

OPTION

DATE:	01/24/20
SCALE:	1" =
PROJECT No.:	190
DRAWING BY:	
CHECKED BY:	
APPROVED BY:	

PROJECT NAME:

HK VENTURES, LLC INDUSTRIAL PARK

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

ARK

C-16

