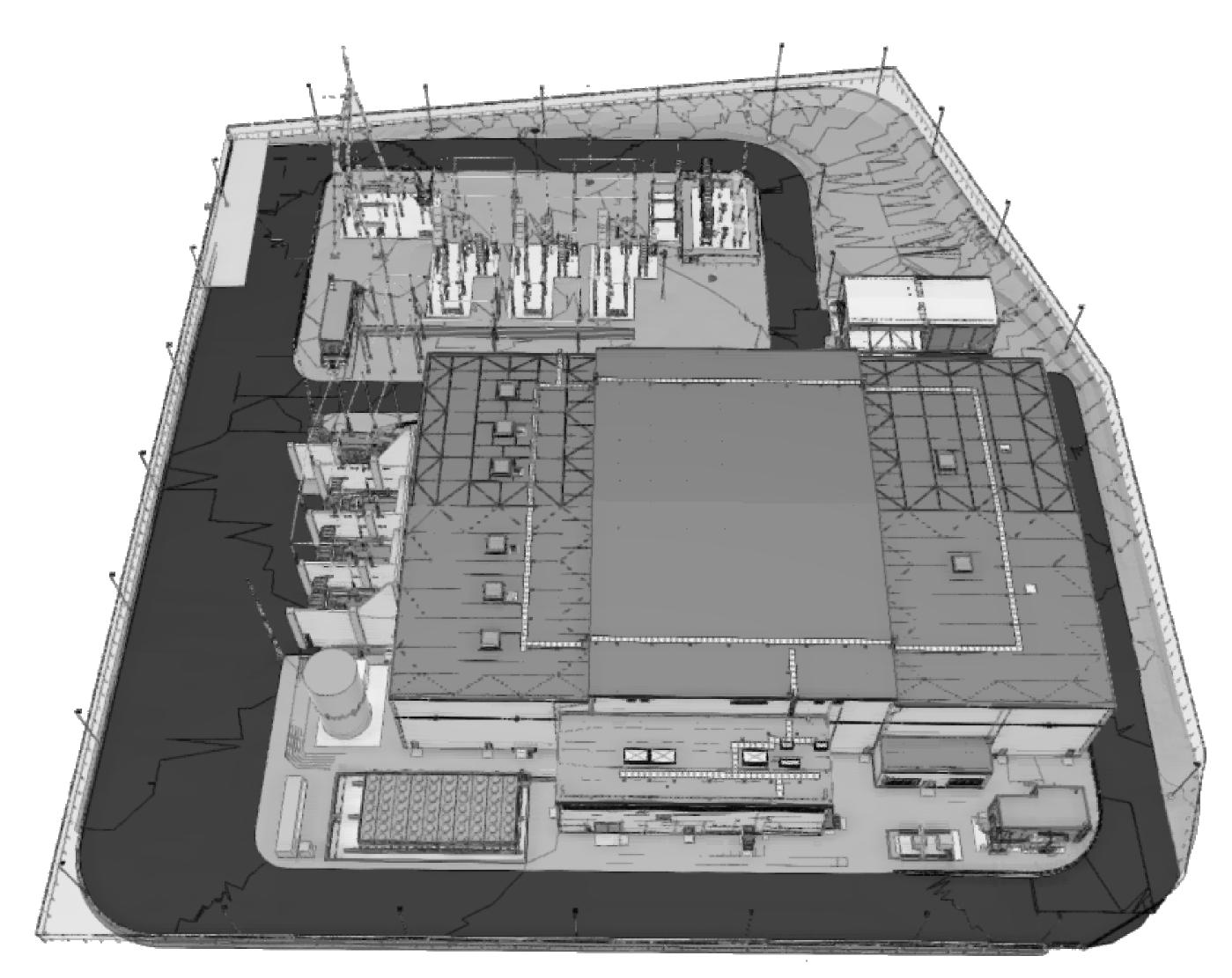
APPENDIX C.4 CASE 10-T-0139 ITE PLANS AND CONSTRUCTION DRAWINGS SITE PLAN RETAINING WALL PACKAGE ASTORIA HVDC CONVERTER STATION

ASTORIA HVDC CONVERTER STATION SITE RETAINING WALL PACKAGE

SCOPE OF WORK

THE SITE RETAINING SCOPE OF WORK INCLUDES THE FOLLOWING: 1. RETAINING WALLS



1 OVERALL SITE VIEW T-001.00 N.T.S.

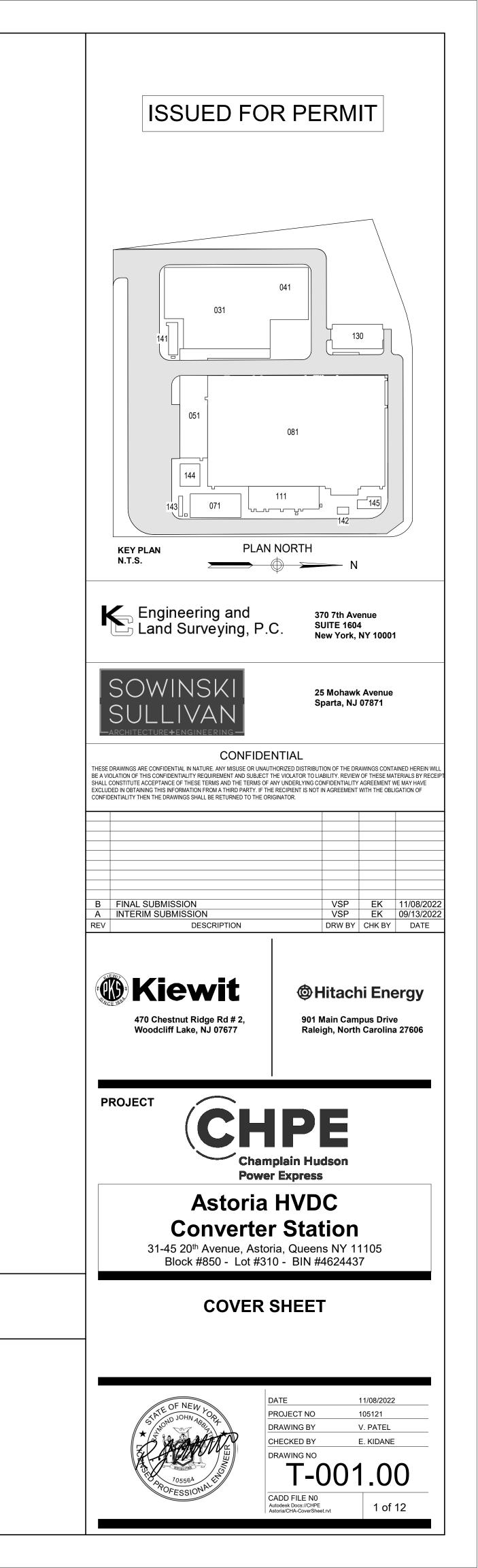


FLOOD ZONE DESIGN CERTIFICATION:

THE EXISTING PROPERTY IS IN THE SPECIAL FLOOD HAZARD AREA (SFHA), ZONE AE PER EFFECTIVE 2015 FLOOD INSURANCE RATE MAP(FIRM). THIS IS TO CONFIRM THAT THE PROPOSED INSTALLATION IS IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN APPENDIX Q OF THE NYC BUILDING CODE.

NYC ENERGY CODE COMPLIANCE:

STATEMENT: TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE. PROPOSED WORK MEETS THE GUIDELINES AND INSTRUCTIONS OUTLINED IN THE 2020 NYC ECC CHAPTER 4.



GENERAL NOTES:

- 1. THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES, AND/OR UTILITIES FROM FIELD LOCATION AND RECORD MAPPING, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES, AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL, OR BLAST, CALL UNDERGROUND FACILITIES PROTECTION ORGANIZATION (UFPO) 1-(800)-962-7962 TOLL FREE.
- 2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
- 3. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PUBLIC AND PRIVATE PROPERTY, INCLUDING ALL EXISTING VEGETATION, EXISTING LANDSCAPE FEATURES, AND MONUMENTS WITHIN, ALONG, AND ADJACENT TO THE PROPERTY. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO A PLEASING AND ACCEPTABLE CONDITION.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC. AND SHALL COMPLY WITH ALL REQUIRED PERMITS.
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.
- 6. ALL PROPOSED UTILITIES AND APPURTENANCES SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE LOCAL MUNICIPALITIES' CODES AND REGULATIONS GOVERNING THE INSTALLATION OF SUCH UTILITIES.
- THE ENGINEER RESERVES THE RIGHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT.
- 8. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
- 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND COORDINATE WORK WITH ALL OTHER CONTRACTS FOR THE SITE.
- 10. THE CONTRACTOR SHALL:
 - 10.A. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 - 10.B. EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
 - 10.C. PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH GOOD STANDARD PRACTICE.
- 11. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK CITY BUILDING CODE CHAPTER 33 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTINE DEWATERING RELATED TO THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK. CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS. DEWATERING FOR MAJOR CONSTRUCTION ITEMS IS NOT THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY TDI.
- 13. CONTRACTOR SHALL NOT DISRUPT SERVICE TO ANY UTILITIES WITHOUT PRIOR COORDINATION WITH UTILITY OWNER.
- 14. ALL FRAMES/COVERS WITHIN PAVED AREAS SHALL HAVE THE TOPS SET FLUSH WITH THE FINAL PAVEMENT GRADE. IN LANDSCAPED AREAS, ALL FRAMES SHALL BE 0.1' ABOVE GRADE.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING TIE-IN AND CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES, AND INVERTS. AS-BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, AND INVERTS. AS-BUILT PLANS SHOWING ALL UNDERGROUND UTILITIES INSTALLED OR ENCOUNTERED SHALL BE SUBMITTED TO THE OWNER AND HIS REPRESENTATIVES.
- 16. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS (INCLUDING THE ADJACENT ROADWAYS TO THE SITE AND CONSTRUCTION VEHICLE ENTRANCE AND EXIT TO THE SITE) AS PER COORDINATION WITH ADJACENT PROPERTY OWNERS.
- 17. ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY.
- 18. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING UTILITIES. DAMAGED UTILITIES SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF DURING EXCAVATION PREVIOUSLY DAMAGED UTILITIES ARE UNCOVERED, CONTRACTOR SHALL DOCUMENT THE DAMAGE AND REPORT DAMAGE TO THE APPROPRIATE OWNER.
- 19. THE CONTRACTOR MUST COORDINATE HIS SCHEDULE OF OPERATIONS WITH THE VARIOUS UTILITY OWNERS INVOLVED WITH THE PROJECT AND SHALL VERIFY UTILITY INFORMATION FOUND IN THE CONTRACT DOCUMENTS.
- 20. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, TDI SHALL COORDINATE WITH ALL THE KNOWN PUBLIC AND PRIVATE UTILITY COMPANIES THAT MAY HAVE POTENTIAL IMPACT TO OVERHEAD AND UNDERGROUND UTILITIES FROM THE CONTRACTORS WORK. THE CONTRACTOR SHALL, AT THIS MEETING, INFORM THE UTILITY COMPANIES OF HIS SCHEDULE OF OPERATIONS SO THAT UTILITY COMPANIES PLAN AND SCHEDULE THEIR ACTIVITIES ACCORDINGLY.
- 21. THE CONTRACTOR IS GOVERNED BY AND MUST ADHERE TO THE PROVISIONS OF THE 16 NYCRR PART 753, "PROTECTION OF UNDERGROUND FACILITIES." AND ALL ITS AMENDMENTS; I.E. CALL 811 DIG SAFE PRIOR TO BREAKING GROUND.
- 22. THE CONTRACTOR SHALL CONDUCT ALL OPERATIONS IN ACCORDANCE WITH ALL OSHA RULES AND REGULATIONS AND IN ACCORDANCE WITH NEW YORK STATE LABOR LAW, SECTION 202-H, "THE HIGH VOLTAGE PROXIMITY ACT."
- 23. REFER TO FLOOD INSURANCE RATE MAP (FIRM) NUMBER 3604970092G FOR THE PROJECT SITE. THE SPECIAL FLOOD HAZARD AREA TYPE IS ZONE AE AND X. BASE FLOOD ELEVATION IS 13' AND DESIGN FLOOD ELEVATION IS 15'.
- 24. EXISTING IMPERVIOUS SURFACE AREA WITHIN THE PROPERTY LIMITS TOTALS 4.36 ACRES, WHILE PROPOSED IMPERVIOUS SURFACE AREA TOTALS 7.77 ACRES.

LIST OF SPECIFICATIONS:

03 - CONCRETE 31 - EARTHWORK 34 - TRANSPORTATION 030001 GENERAL PROVISIONS 310001 GENERAL PROVISIONS 340001 GENERAL PROVISIONS

LIST OF SPECIAL INSPECTIONS:

INSPECTION AND TEST	CODE/SECTION
CONCRETE CAST-IN-PLACE AND PRECAST	BC 1704.4
SUBGRADE INSPECTION	BC 1704.7.1
EXCAVATIONS - SHEETING, SHORING AND BRACING	BC 1704.20.2 & 3304.4.1
CONCRETE DESIGN MIX	BC 1905.3 & 1913.5
CONCRETE SAMPLING AND TESTING	BC 1905.6 & 1913.10

FL FLOOD

- FL-1. THE SITE IS DEFINED AS A ZONE (NON-COASTAL).
- FL-2. BASE FLOOD ELEVATION, BFE, = 13 FEET NAVD 88.
- FL-3. RECOMMENDED FREE BOARD BY THE 2022 NYCBC-APPENDIX G IS 2.0 FEET.
- FL-4. RECOMMENDED DESIGN FLOOD ELEVATION, DFE = 15 FEET NAVD 88.
- FL-5. THE STRUCTURE IS NOT SUBJECTED TO HYDRODYNAMIC LOADS.

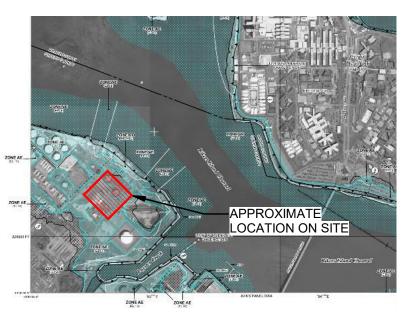
DESIGN ELEVATION / DEPTH	FEET IN NAVD 88
DESIGN BASE FLOOD ELEVATION	13.0
FINISH FLOOR ELEVATION	15.0
SEA LEVEL RISE	NOT CONSIDERED

FEMA FIRM PANEL 3604970092:

FLOOD INSURANCE RATE MAP 2007 ELEVATIONS IN NAVD 88



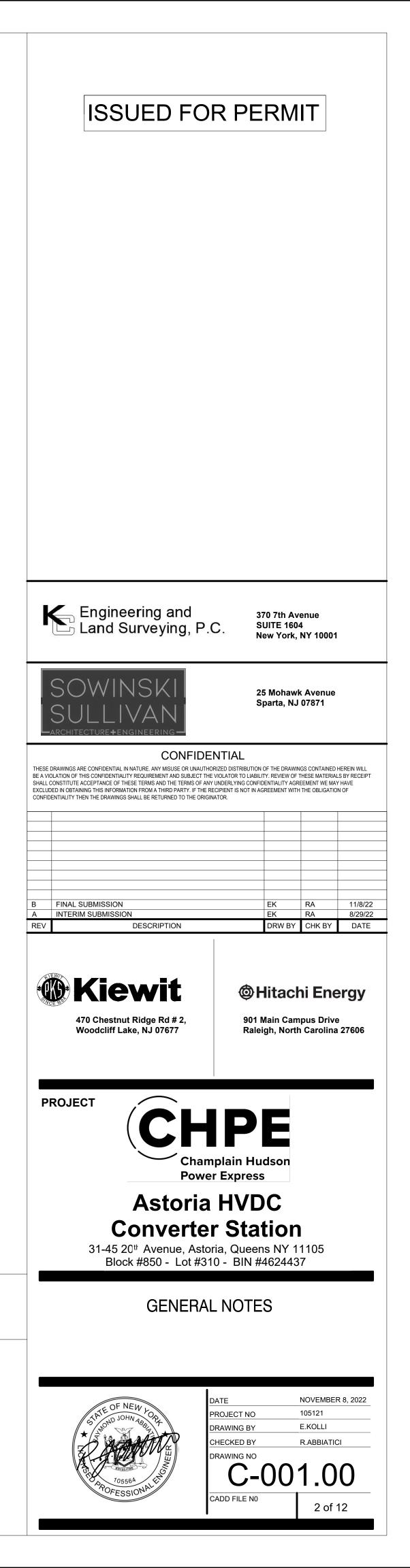
FLOOD INSURANCE RATE MAP 2015 ELEVATIONS IN NAVD 88 FIRM IS PRELIMINARY



SITE RETAINING WALLS SHEET INDEX DRAWING TITLE GENERAL NOTES LEGEND AND ABBREVIATIONS OVERALL RETAINING WALL PLAN RETAINING WALL 1 PLAN AND PROFILE RETAINING WALL 2 WEST PLAN AND PROFILE RETAINING WALL 2 SOUTH PLAN AND PROFILE RETAINING WALL 3 PLAN AND PROFILE RETAINING WALL 3 PLAN AND PROFILE RETAINING WALL TYPICAL SECTION RETAINING WALL TYPICAL SECTION RETAINING WALL TYPICAL SECTION

BASE PLATE, SHEAR KEY AND UTILITY OPENING REINFORCEMENT D

	Dwg. No.
	C-001.00
	C-002.00
	C-500.00
	C-501.00
	C-502.00
	C-503.00
	C-504.00
	C-505.00
	C-506.00
	C-507.00
DETAILS	C-508.00



LEGENDS & SYMBOLS

	EXISTING PROPERTY LINE		
	PROPOSED ALIGNMENT CENTERLINE		
X XX+XX	PROPOSED ALIGNMENT STATIONING		
× × ×	PROPOSED FENCE		
	PROPOSED GUIDE RAIL		
	PROPOSED RETAINING WALL		
	PROPOSED RETAINING WALL FOOTING		
— — — — — — — — — — — — — — — — — — — —	PROPOSED SECURITY GATE		
GD	PROPOSED LIGHT POLE		

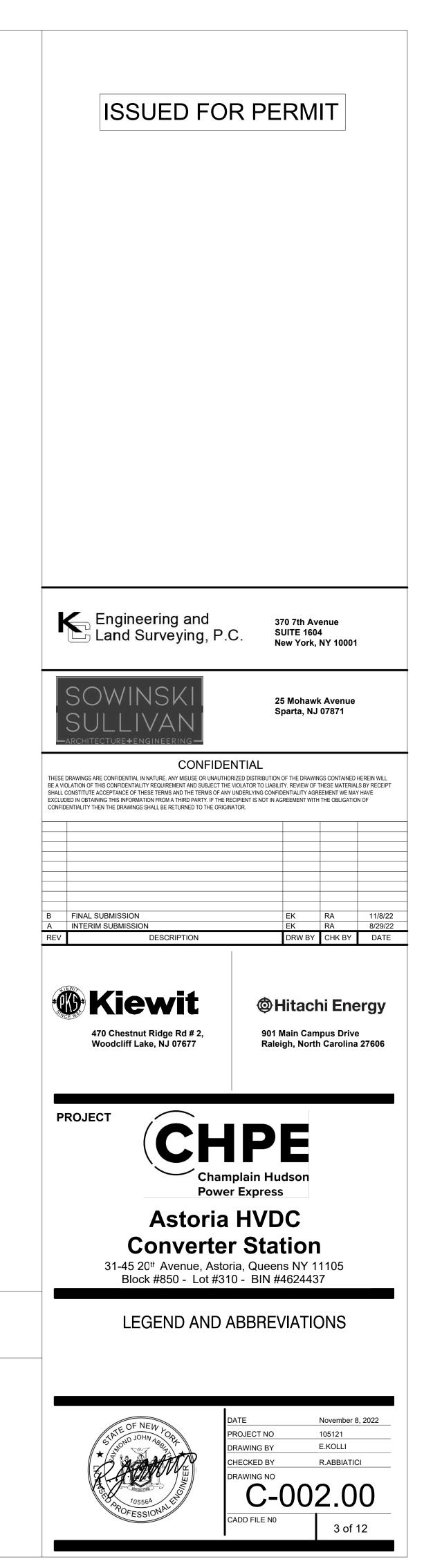
ABBREVIATIONS

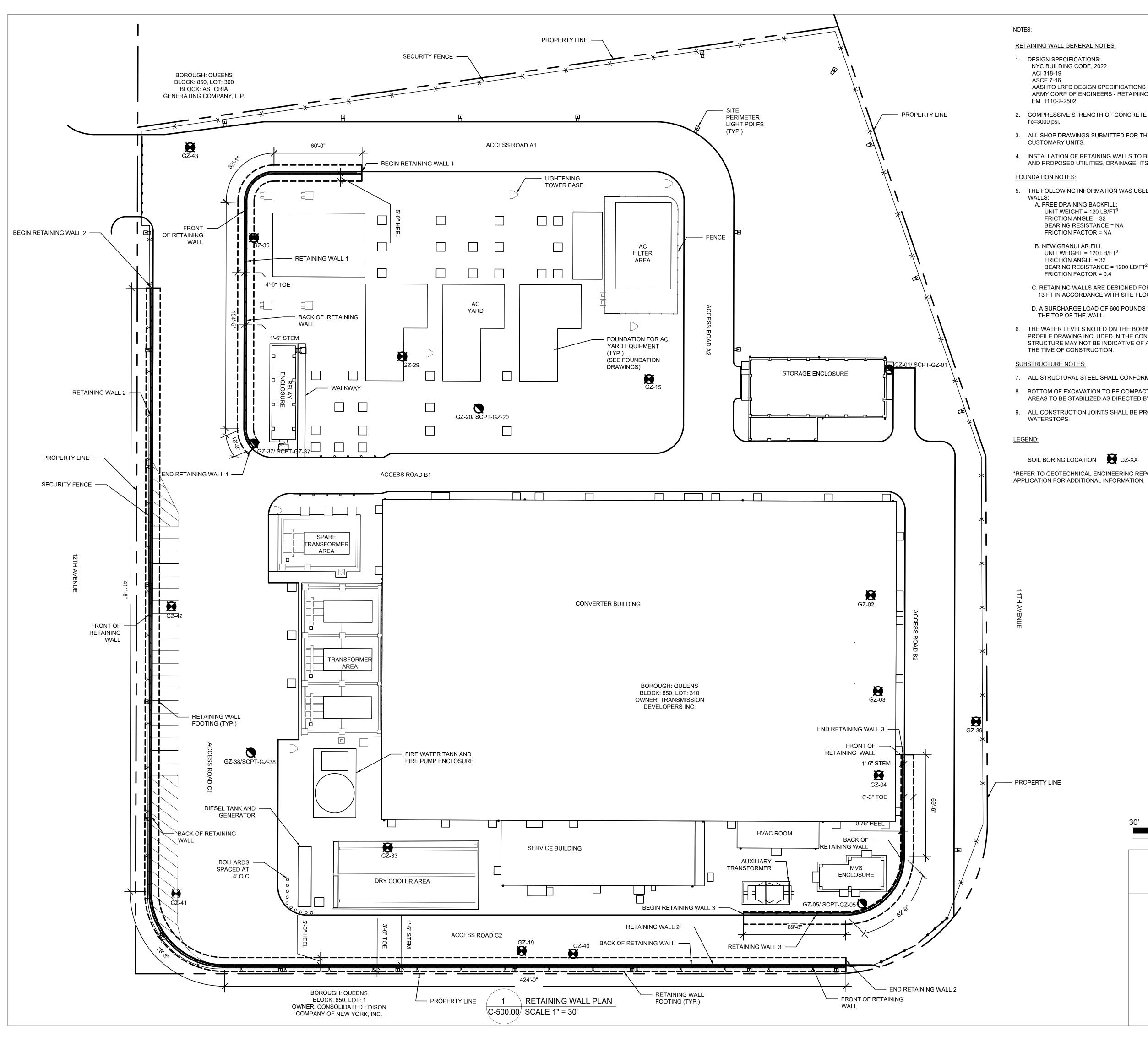
AASHTO = AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AC = ALTERNATING CURRENT
AD = TANGENT OFFSET AT PVI
APPROX = APPROXIMATE
ASCE = AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM = AMERICAN SOCIETY OF TESTING AND MATERIALS
BVCE = BEGINING OF VERTICAL CURVE ELEVATION
BVCS = BEGINING OF VERTICAL CURVE STATION
CB = CATCH BASIN
CIP = CAST IN PLACE
CONC = CONCRETE
DIA = DIAMETER
DIP = DUCTILE IRON PIPE
DGA = DENSE GRADED AGGREGATE
E = EPOXY COATED REBAR
ELEV = ELEVATION
EVCE = END OF VERTICAL CURVE ELEVATION
EVCS = END OF VERTICAL CURVE STATION
EXIST = EXISTING
FF = FRONT FACE
FDNY = NEW YORK CITY FIRE DEPARTMENT
FFE = FINISHED FLOOR ELEVATION
HDPE = HIGH DENSITY POLYETHYLENE
HPBO = HEAVY POST BLOCK OUT
HVAC = HEATING, VENTILATION AND AIR CONDITIONING
HVE = HIGH VOLTAGE ELECTRIC
ID = INNER DIAMETER
IPS = IRON PIPE SIZE
LBS = POUNDS
LF = LINEAR FEET
LVC = LENGTH OF VERTICAL CURVE
MAX = MAXIMUM
MH = MANHOLE
MIN = MINIMUM
MPT = MAINTENANCE AND PROTECTION OF TRAFFIC
MTS = MANUAL TRANSFER SWITCH
MVS = MEDIUM VOLTAGE SWITCHGEAR
N/A = NOT APPLICABLE
NTS = NOT TO SCALE
NYC = NEW YORK CITY
NYCDOT = NEW YORK CITY DEPARTMENT OF TRANSPORTATION
NYCDEP = NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
NYCRR = NEW YORK CITY CODES, RULES AND REGULATIONS
NYSDOT = NEW YORK STATE DEPARTMENT OF TRANSPORTATION

OD = OUTER DIAMETER OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION PCC = PORTLAND CEMENT CONCRETE PCD = PRECAST CONCRETE DUCTS PVI = POINT OF VERTICAL INTERSECTION PVMT = PAVEMENT STA = STATIONTYP = TYPICALRCP = REINFORCED CONCRETE PIPE RD = ROADREQ'D = REQUIREDREV = REVISION RF = REAR FACE WM = WATER MAIN WT = WEIGHTWWF = WELDED WIRE FABRIC WZTC = WORK ZONE TRAFFIC CONTROL

OC = ON CENTER

YR = YEAR





RETAINING WALL GENERAL NOTES

AASHTO LRFD DESIGN SPECIFICATIONS FOR HIGHWAY BRIDGES, 2021 ARMY CORP OF ENGINEERS - RETAINING AND FLOOD WALLS MANUAL

2. COMPRESSIVE STRENGTH OF CONCRETE FOR RETAINING WALL AT 28 DAYS

3. ALL SHOP DRAWINGS SUBMITTED FOR THE PROJECT SHALL BE IN U.S.

4. INSTALLATION OF RETAINING WALLS TO BE COORDINATED WITH EXISTING AND PROPOSED UTILITIES, DRAINAGE, ITS UTILITIES, AND WZTC.

5. THE FOLLOWING INFORMATION WAS USED IN THE DESIGN OF THE RETAINING

A. FREE DRAINING BACKFILL: UNIT WEIGHT = 120 LB/FT³ FRICTION ANGLE = 32 BEARING RESISTANCE = NA FRICTION FACTOR = NA

> UNIT WEIGHT = 120 LB/FT³ FRICTION ANGLE = 32 BEARING RESISTANCE = 1200 LB/FT²

FRICTION FACTOR = 0.4

C. RETAINING WALLS ARE DESIGNED FOR A GROUNDWATER ELEVATION OF 13 FT IN ACCORDANCE WITH SITE FLOOD ZONE CLASSIFICATION FEMA AE.

D. A SURCHARGE LOAD OF 600 POUNDS PER SQUARE FOOT IS ASSUMED AT THE TOP OF THE WALL.

6. THE WATER LEVELS NOTED ON THE BORING LOGS AND ON THE SUBSURFACE PROFILE DRAWING INCLUDED IN THE CONTRACT PLANS FOR THIS STRUCTURE MAY NOT BE INDICATIVE OF ACTUAL WATER CONDITIONS AT THE TIME OF CONSTRUCTION.

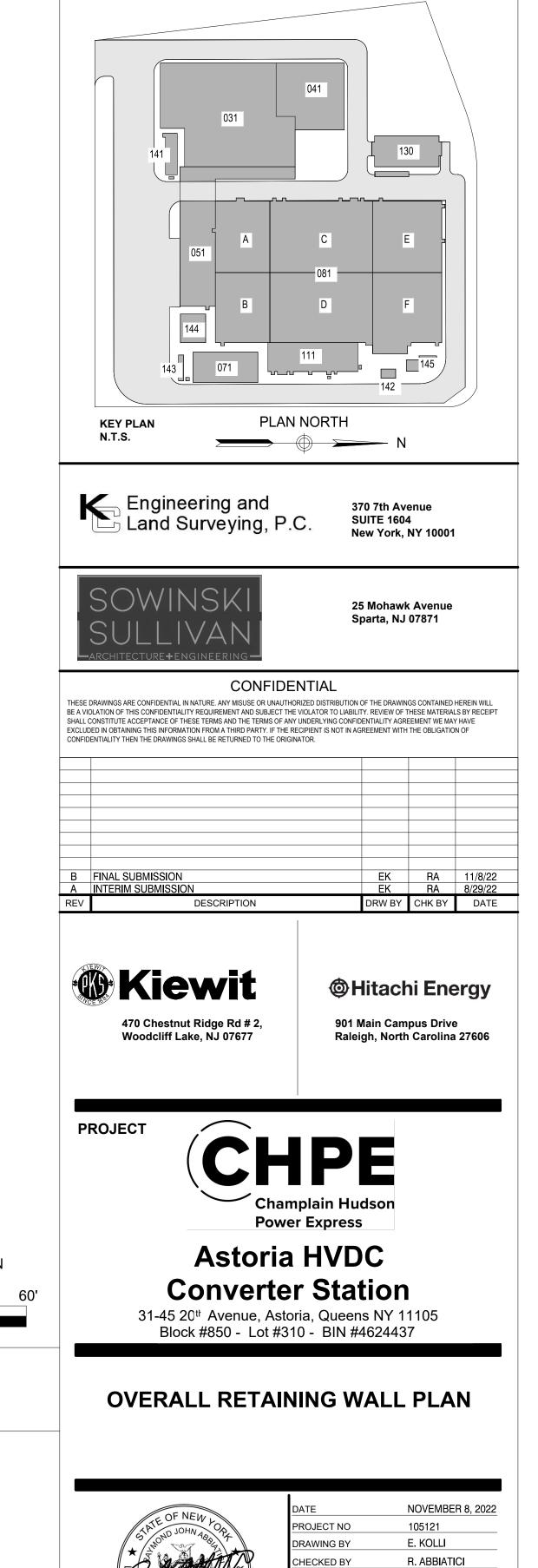
7. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A709 GRADE 60.

8. BOTTOM OF EXCAVATION TO BE COMPACTED. ANY LOCALIZED UNSTABLE AREAS TO BE STABILIZED AS DIRECTED BY SITE ENGINEER.

9. ALL CONSTRUCTION JOINTS SHALL BE PROVIDED WITH SHEAR KEYS AND



PLAN NORTH



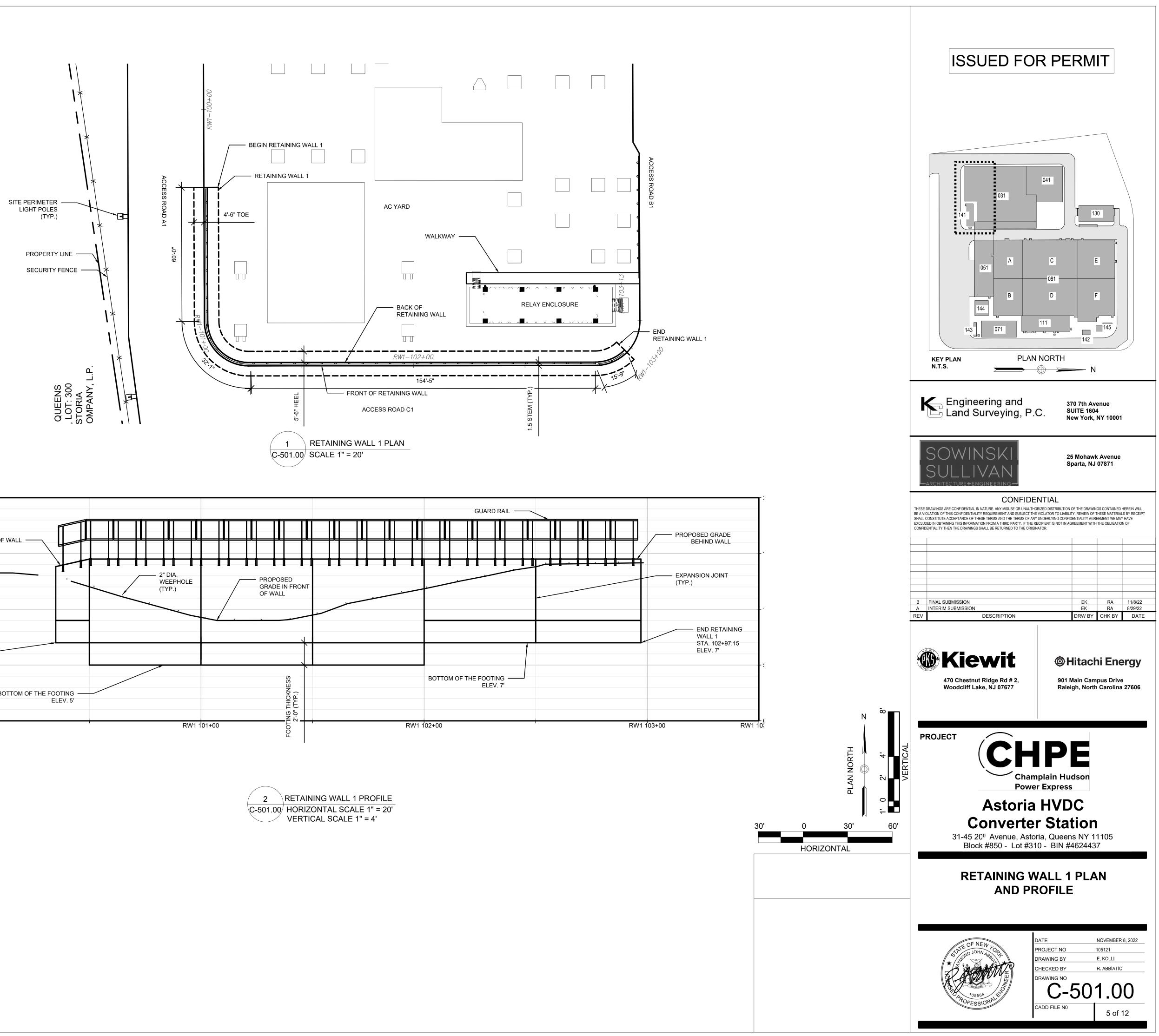
DRAWING NO

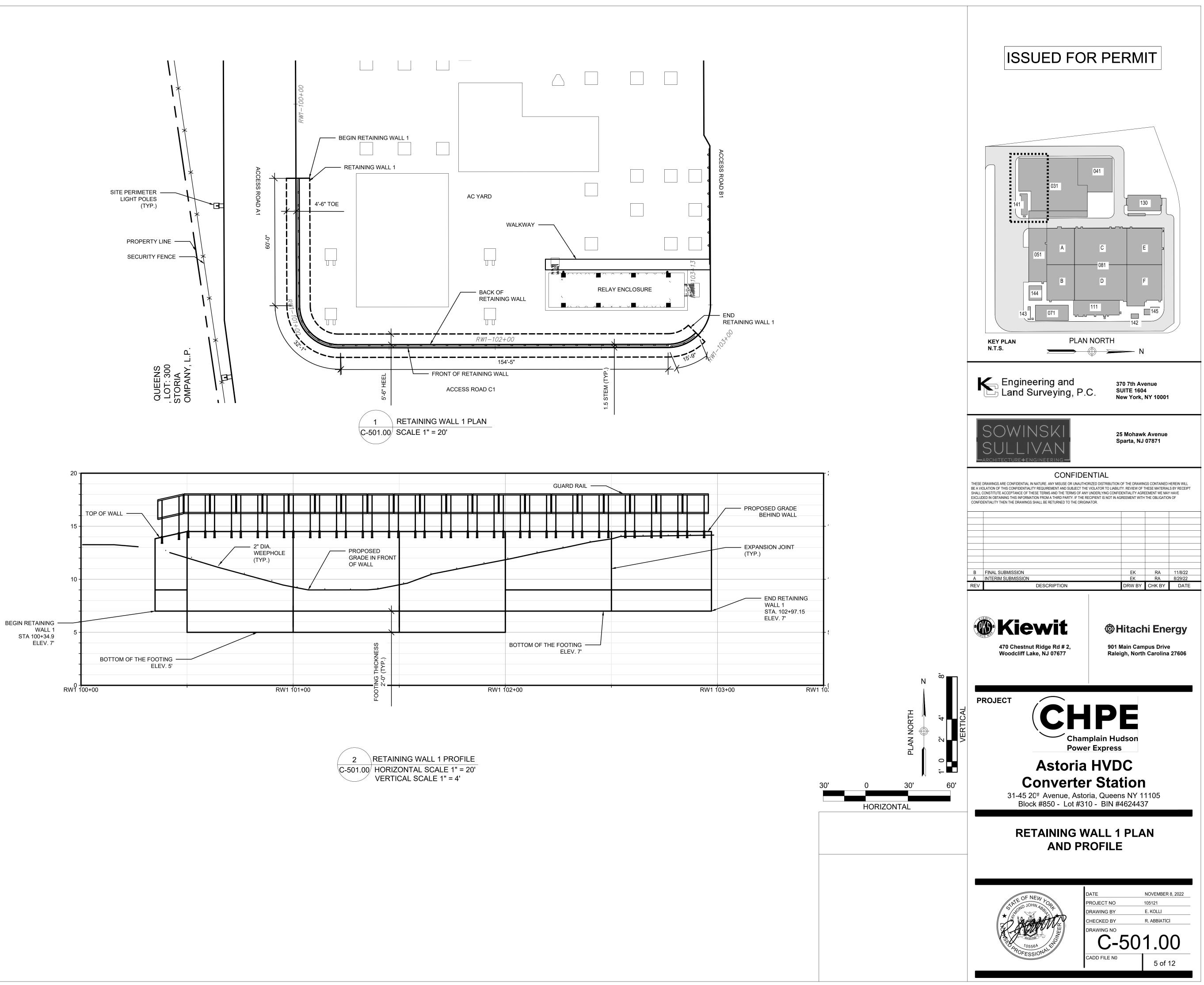
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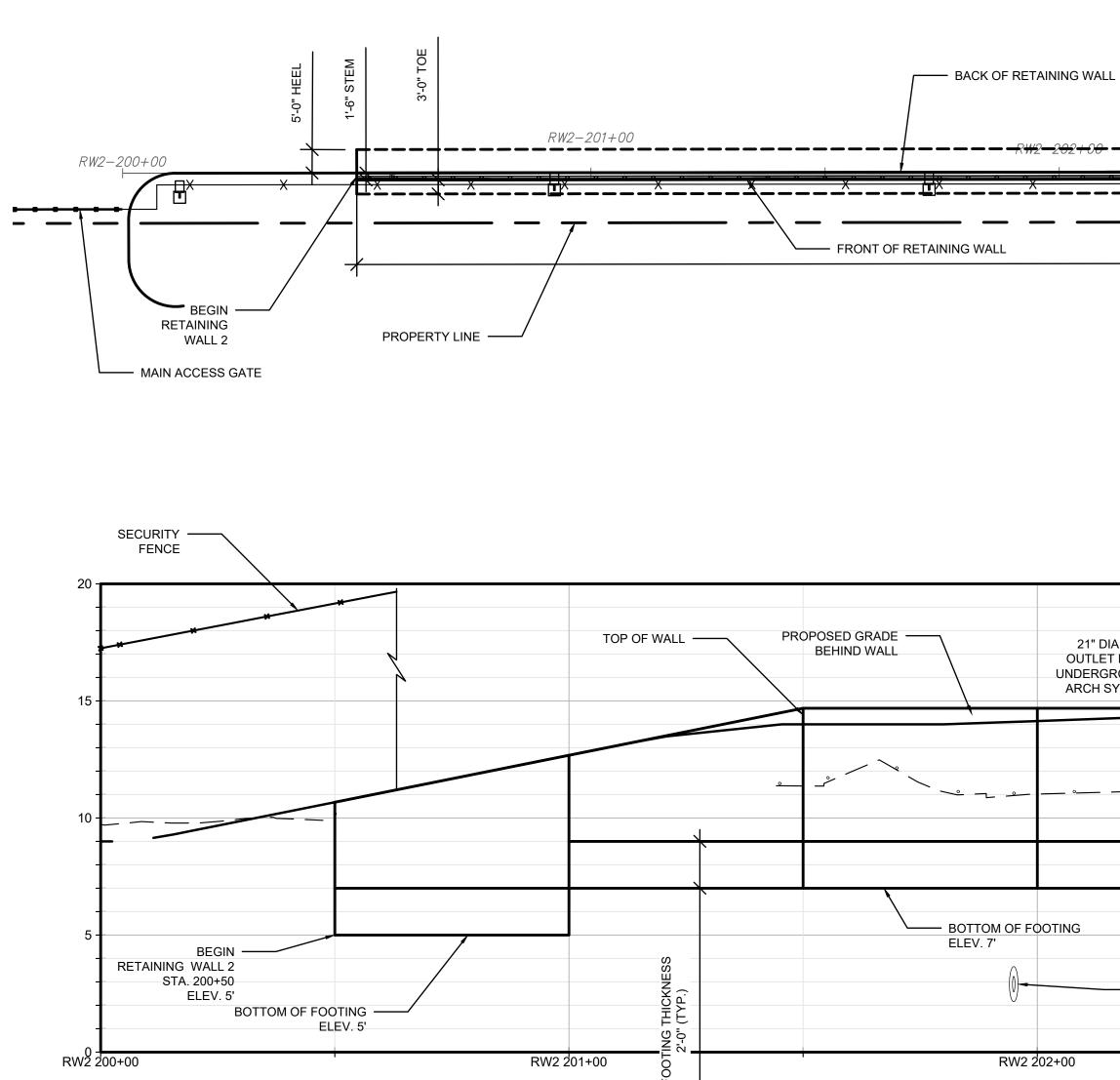
C-500.00

4 of 12

ISSUED FOR PERMIT







RETAINING WALL 2 SOUTH PROFILE 2 C-502.00 HORIZONTAL SCALE 1" = 20' VERTICAL SCALE 1" = 4'

— APPROX. EXISTING GRADE IN FRONT OF WALL TO BE VERIFIED WITH SURVEY 2" DIA. — WEEPHOLE (TYP.) EXPANSION JOINT (TYP.) UNDERGROUND ARCH SYSTEM V - APPROX. LOCATION OF PRELIMINARY CROSSING FOR PROPOSED SANITARY SEWER RW2 203+00 RW2 204+00

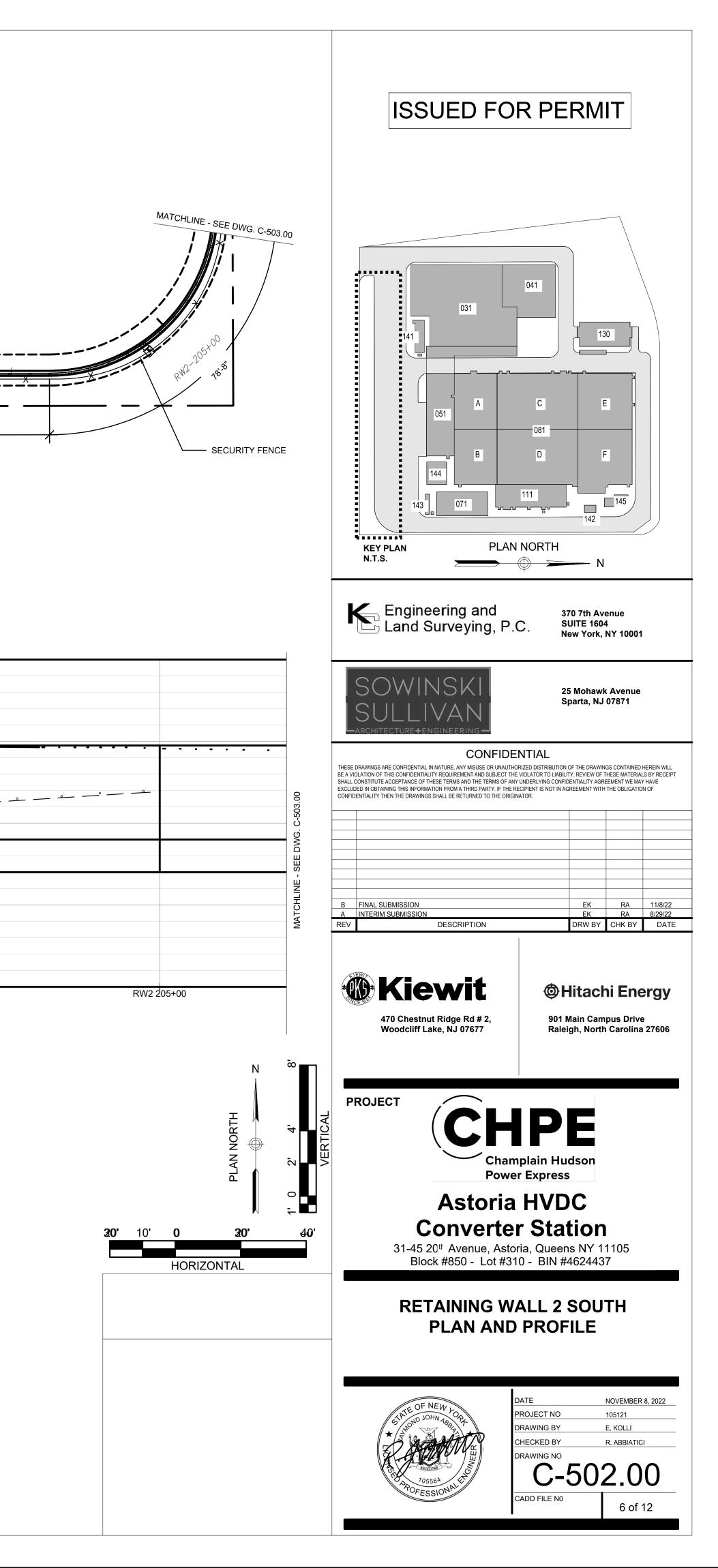
	X	X	×	TX	X	×	×		×
 411'-8"		SITE PERIMETER LIGHT POLE (TYP.)							

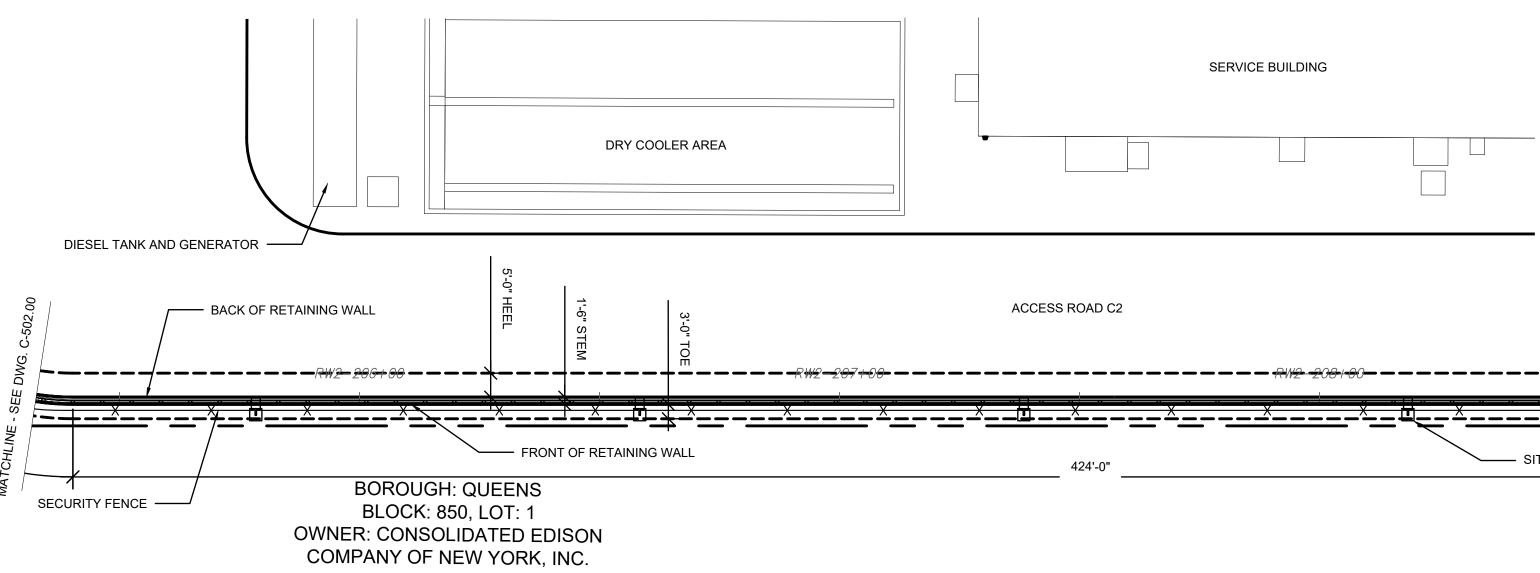
RETAINING WALL 2 SOUTH PLAN

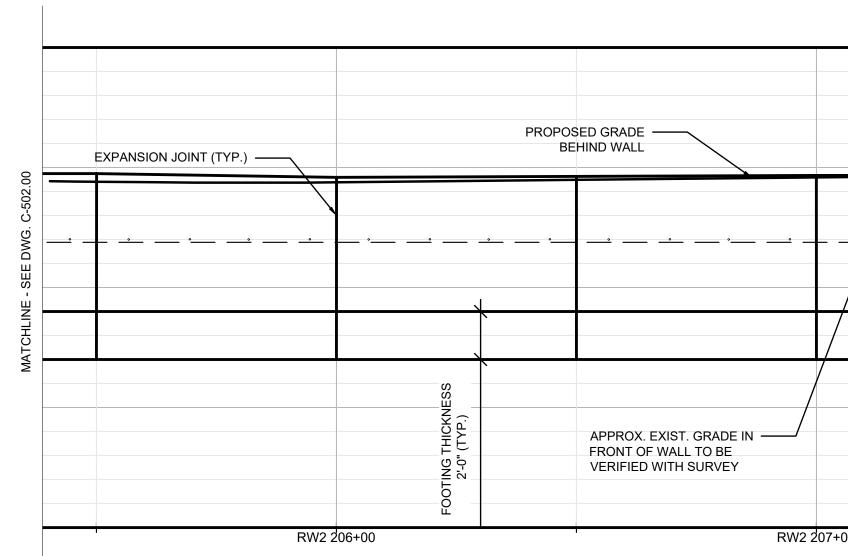
ACCESS ROAD C1

1

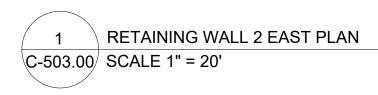
C-502.00/ SCALE 1" = 20'







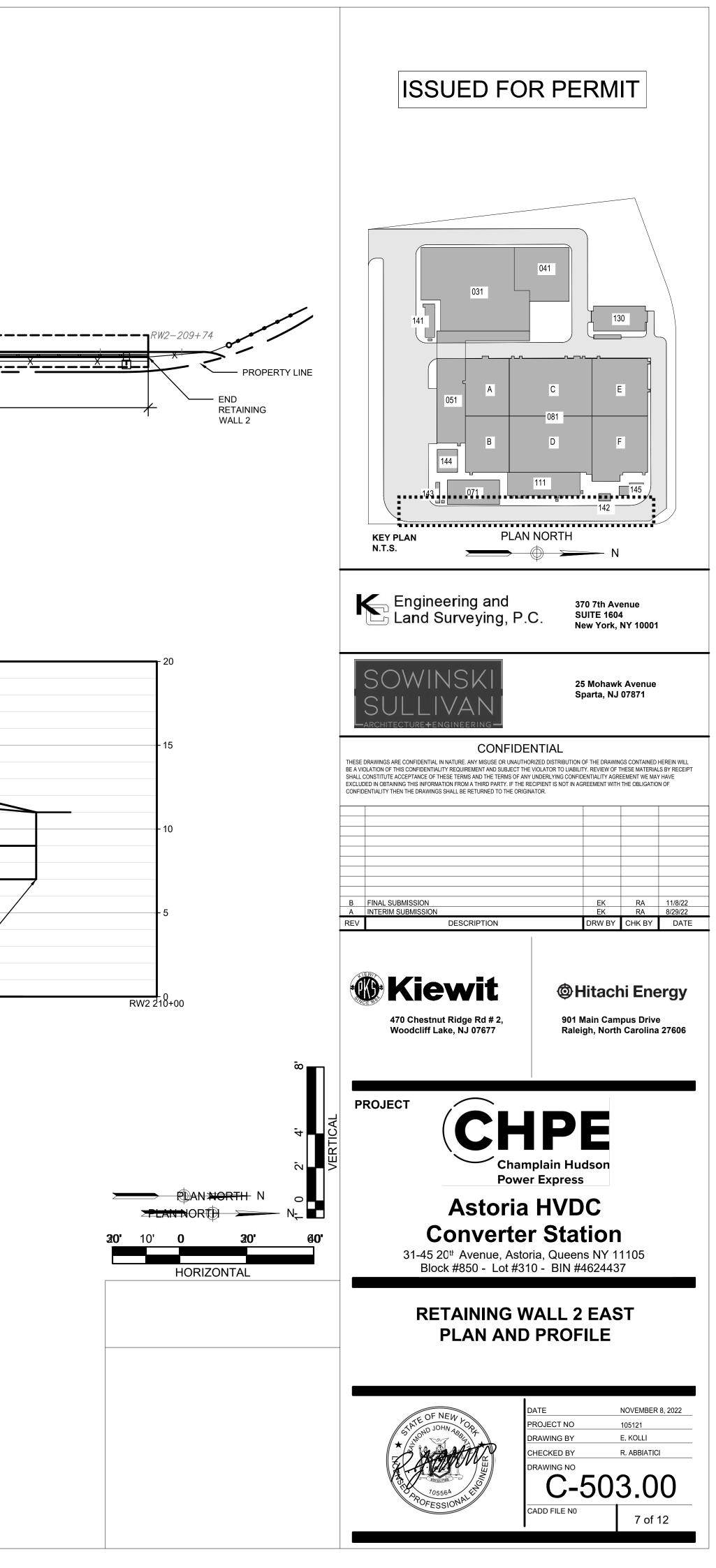
━━━━━₩2≠ź	2 07+00				0 8+80			— — — RW 2— 289+00 — — ·	
X			×	×	×d×		X	×0×	
		42	4'-0"			— SITE PERIME	TER LIGHT POLE	E (TYP.)	
		42·	4 -0**					· · · ·	



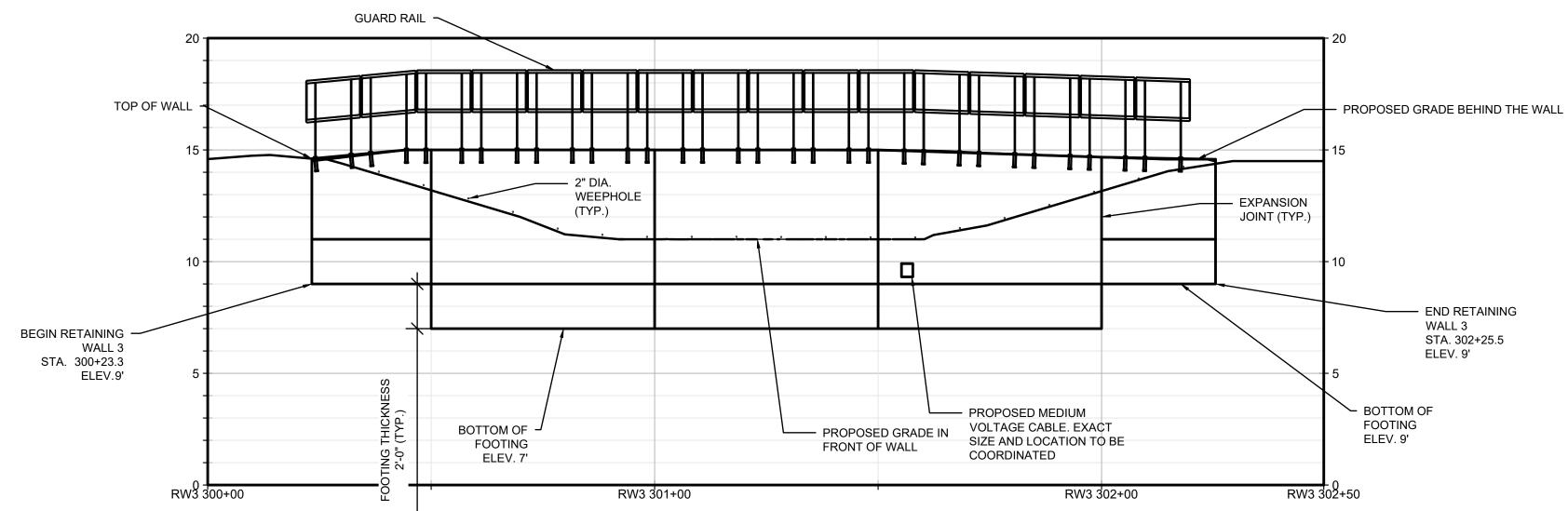
	- 2" DIA. WEEPHOLE (TYP.)	OP OF WALL	
			END RETAINING WALL 2 STA. 209+64.33 ELEV. 7'
	BOTTOM OF FOOTING ELEV. 7'		
+00	RW2 208+00	RW22	209+00

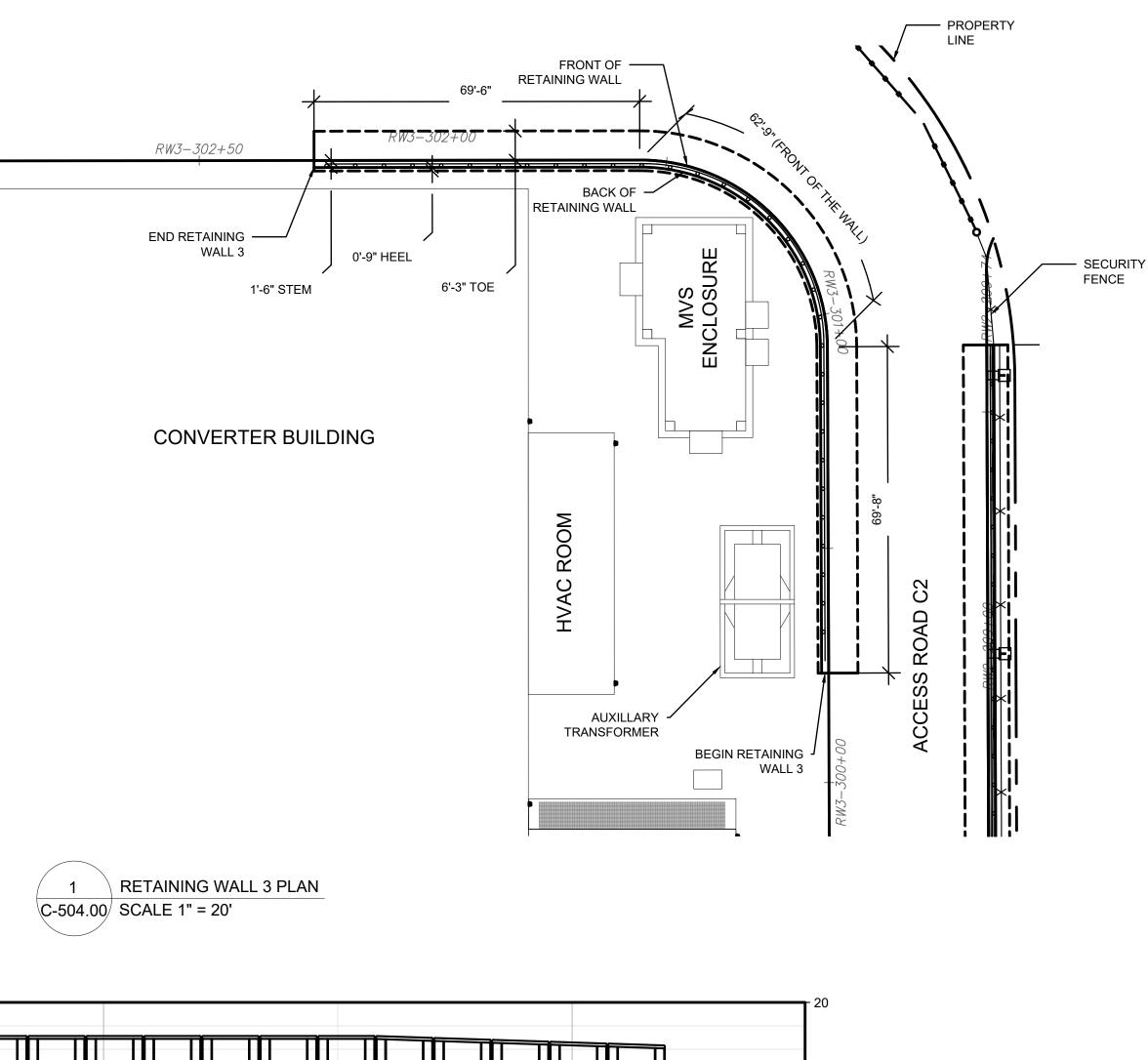


2 RETAINING WALL 2 EAST PROFILE C-503.00 HORIZONTAL SCALE 1" = 20' VERTICAL SCALE 1" = 4'



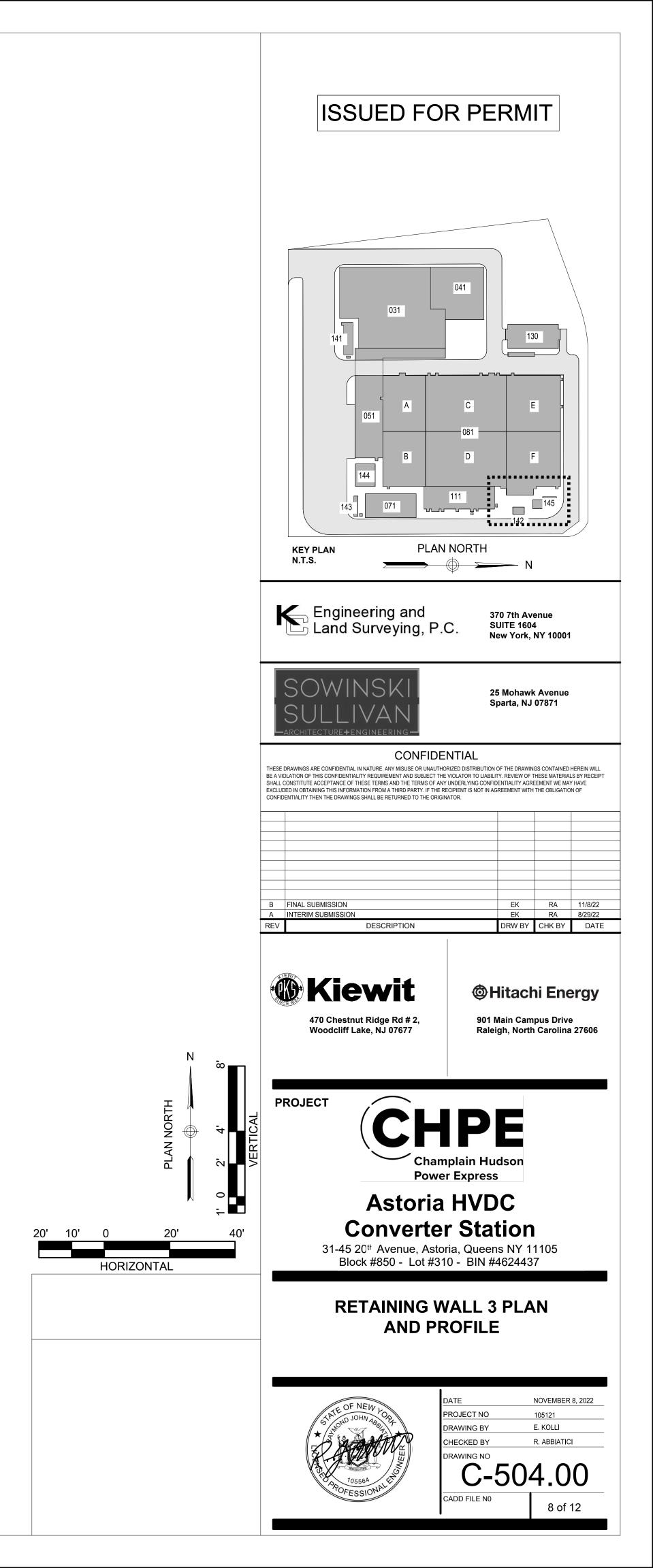
ACCESS ROAD B2

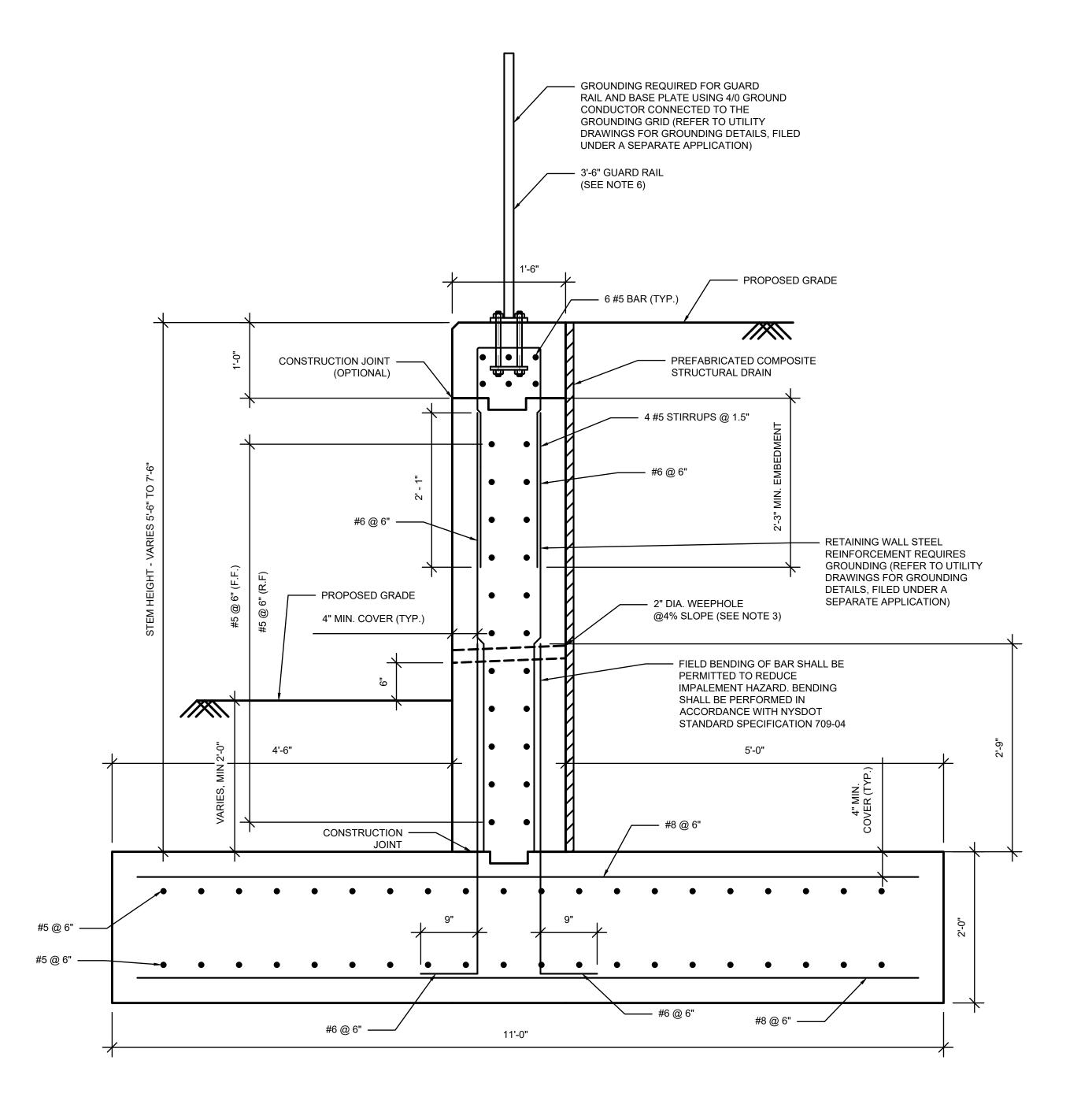






RETAINING WALL 3 PROFILE C-504.00/ HORIZONTAL SCALE 1" = 20' VERTICAL SCALE 1" = 4'

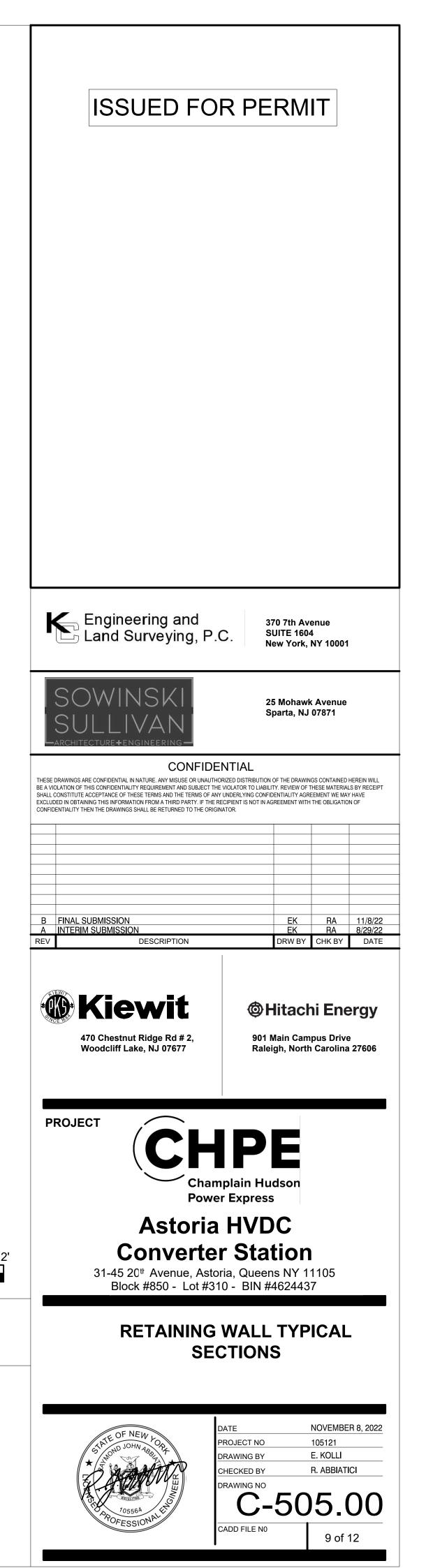


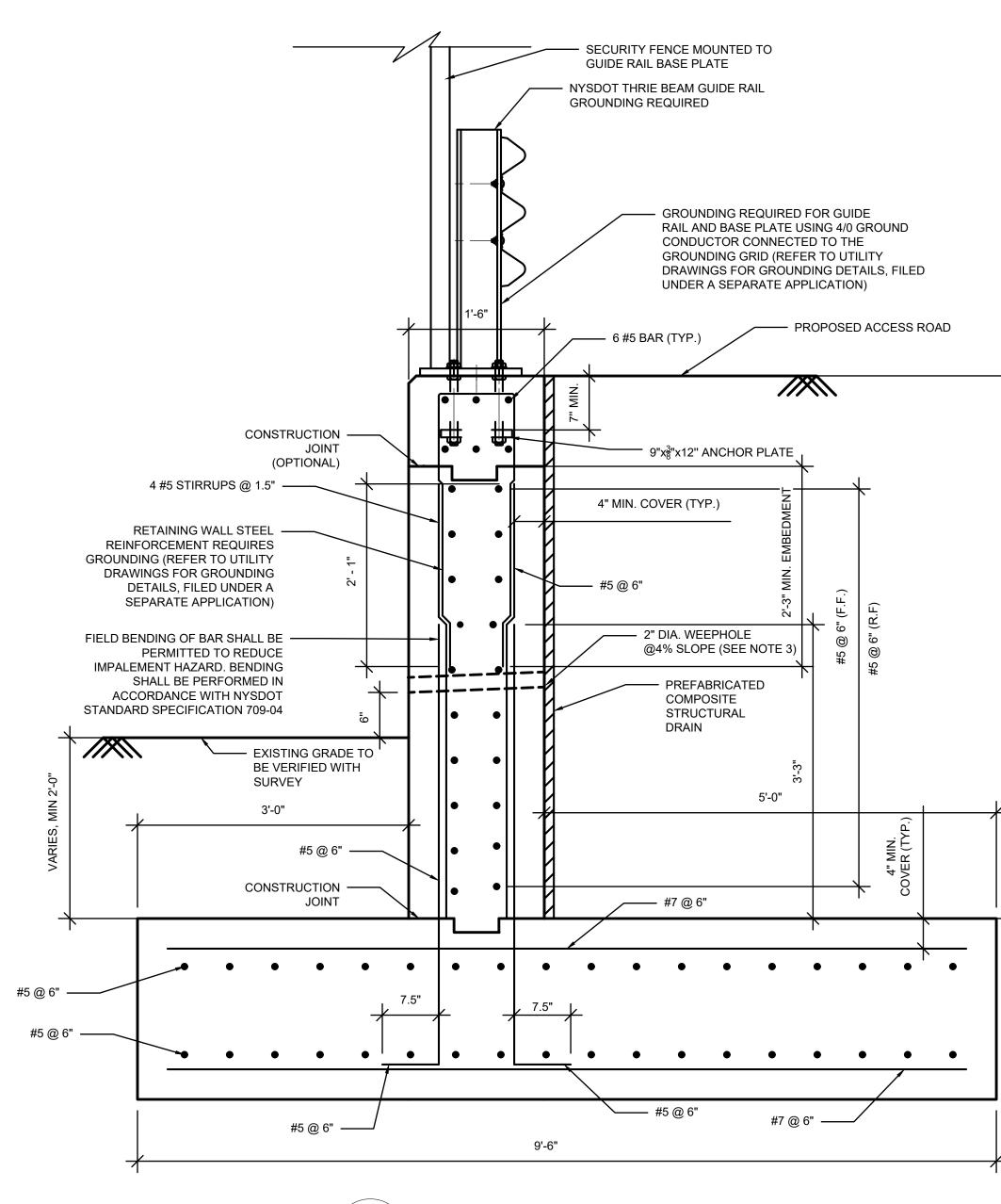


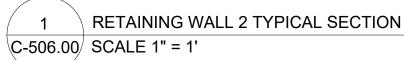
1 RETAINING WALL 1 TYPICAL SECTION C-505.00 SCALE 1" = 1'

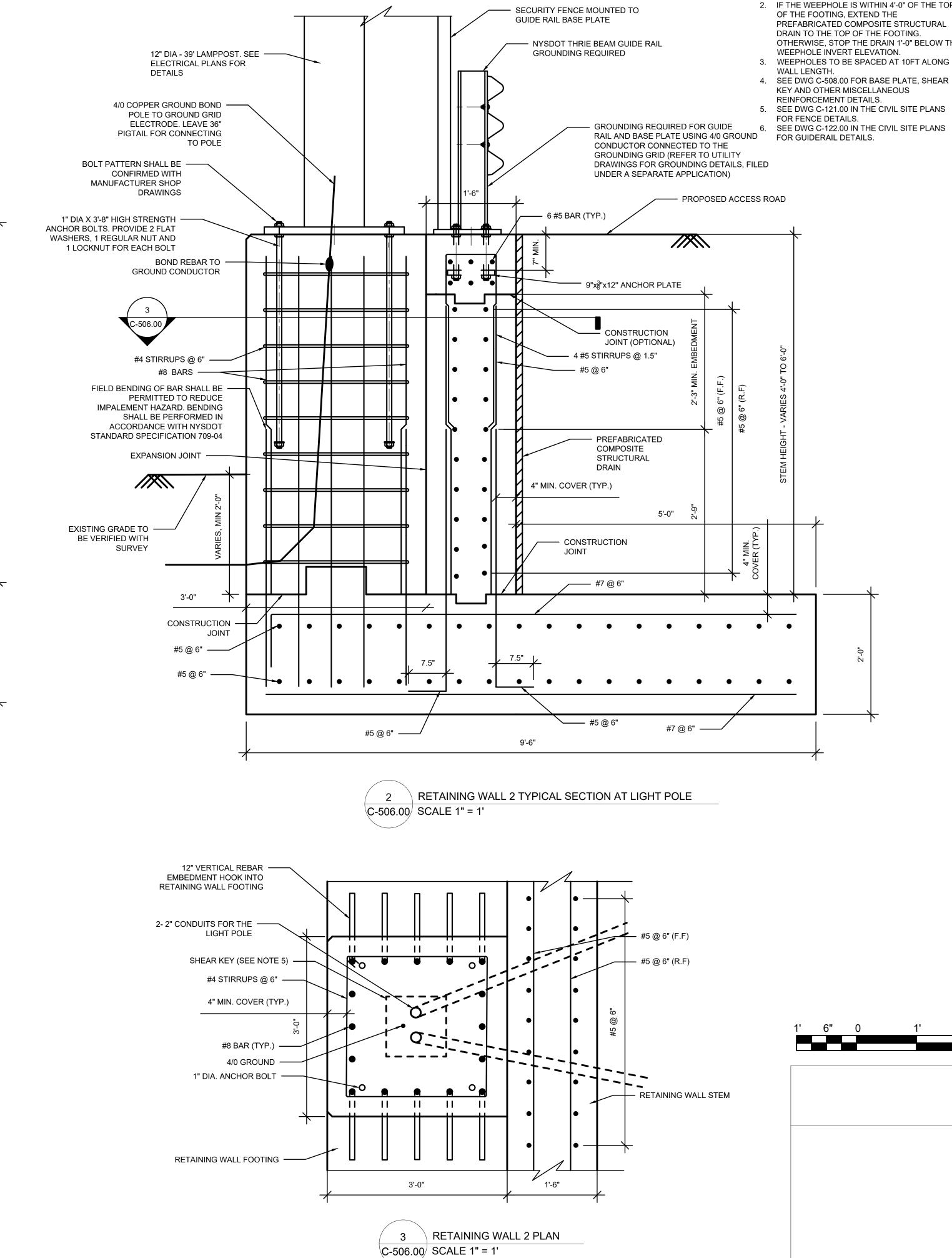
NOTES:

- 1. FOR WEEPHOLE LOCATIONS ON WALL 1 SEE
- DWG C-501.00
 2. IF THE WEEPHOLE IS WITHIN 4'-0" OF THE TOP OF THE FOOTING, EXTEND THE PREFABRICATED COMPOSITE STRUCTURAL DRAIN TO THE TOP OF THE FOOTING. OTHERWISE, STOP THE DRAIN 1'-0" BELOW THE WEEPHOLE INVERT ELEVATION.
- WEEPHOLES TO BE SPACED AT 10FT ALONG WALL LENGTH.
 SEE DWG C-508.00 FOR SHEAR KEY DETAILS.
- SEE DWG C-300.00 FOR SHEAR RET DETAILS.
 SEE DWG C-121.00 IN THE CIVIL SITE PLANS FOR GUARD RAIL DETAILS.



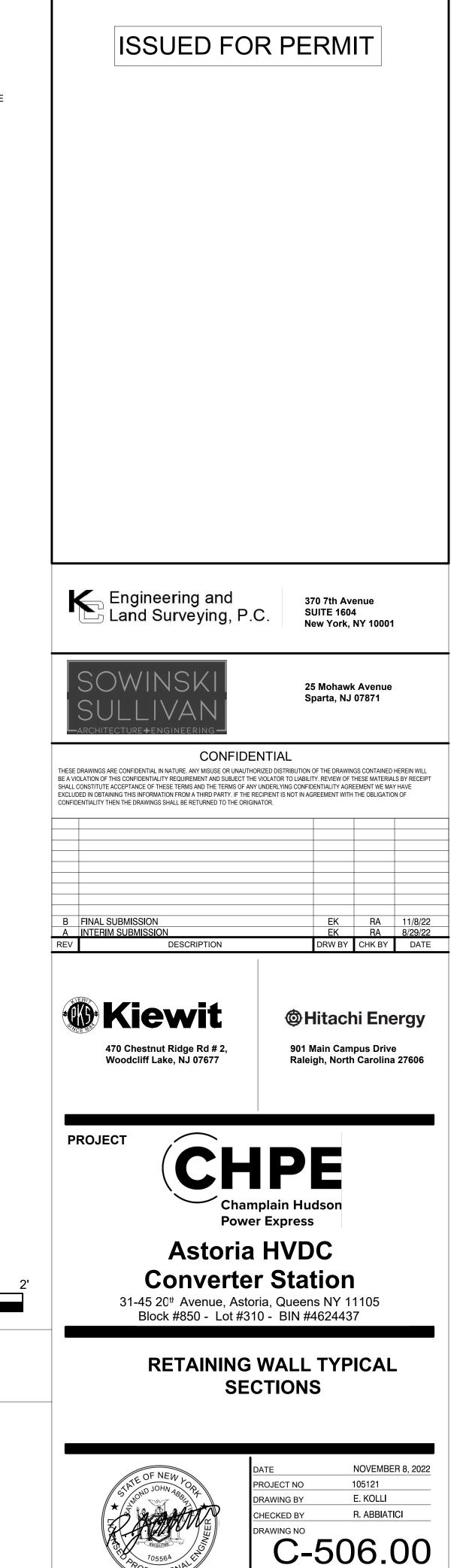






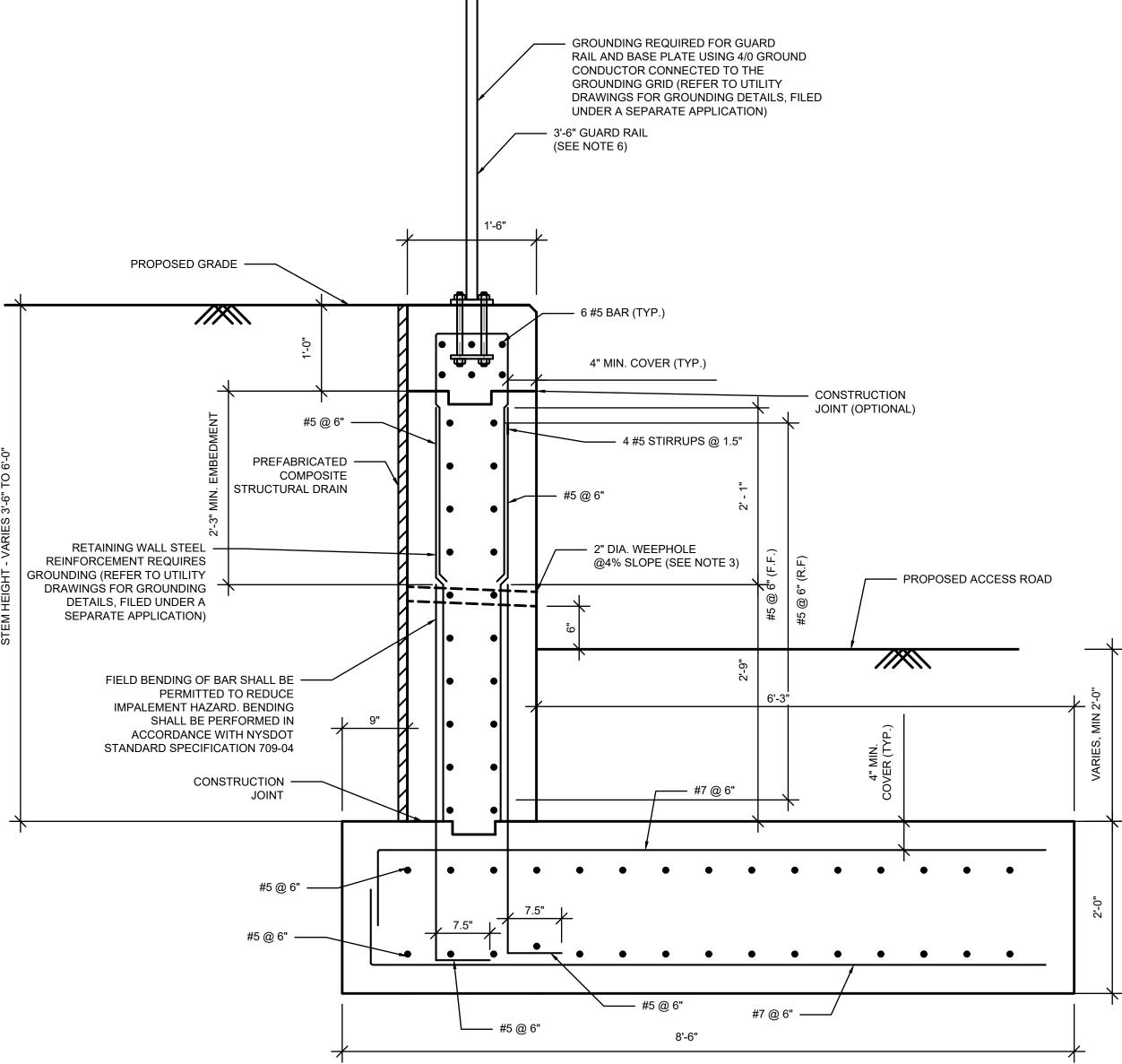
NOTES:

- 1. FOR WEEPHOLE LOCATIONS ON WALL 2 SEE
- DWG. C-502.00 AND C-503.00 2. IF THE WEEPHOLE IS WITHIN 4'-0" OF THE TOP
- OF THE FOOTING, EXTEND THE PREFABRICATED COMPOSITE STRUCTURAL DRAIN TO THE TOP OF THE FOOTING. OTHERWISE, STOP THE DRAIN 1'-0" BELOW THE
- 3. WEEPHOLES TO BE SPACED AT 10FT ALONG
- 4. SEE DWG C-508.00 FOR BASE PLATE, SHEAR KEY AND OTHER MISCELLANEOUS
- 5. SEE DWG C-121.00 IN THE CIVIL SITE PLANS



CADD FILE NO

10 of 12

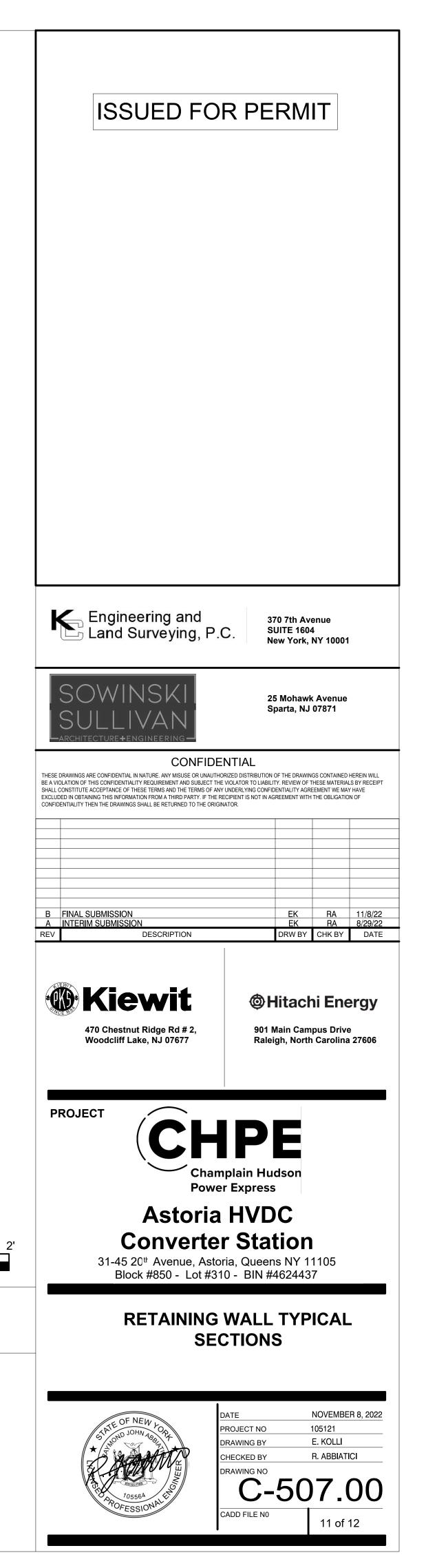


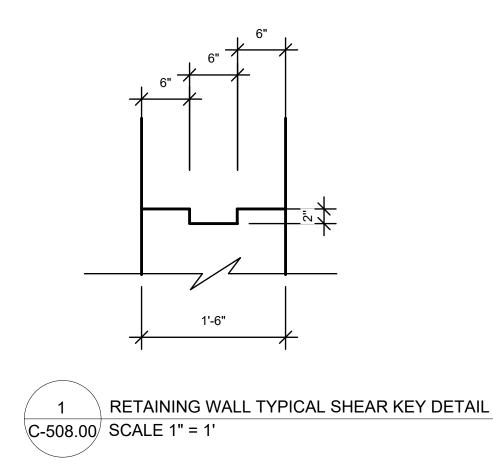
1 RETAINING WALL 3 TYPICAL SECTION C-507.00 SCALE 1" = 1'

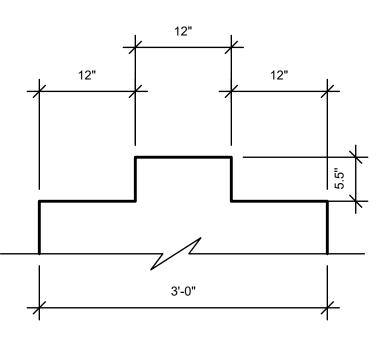
NOTES:

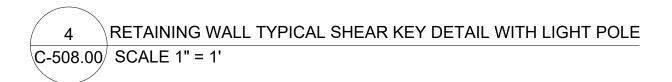
1. FOR WEEPHOLE LOCATIONS ON WALL 3 SEE

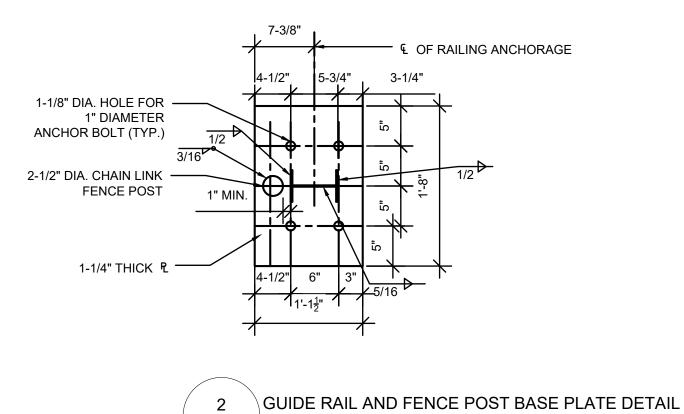
- DWG C-504.00 2. IF THE WEEPHOLE IS WITHIN 4'-0" OF THE TOP OF THE FOOTING, EXTEND THE PREFABRICATED COMPOSITE STRUCTURAL DRAIN TO THE TOP OF THE FOOTING. OTHERWISE, STOP THE DRAIN 1'-0" BELOW THE WEEPHOLE INVERT ELEVATION.
- 3. WEEPHOLES TO BE SPACED AT 10FT ALONG WALL LENGTH.
- SEE DWG C-508.00 FOR SHEAR KEY DETAILS.
 SEE DWG C-121.00 IN THE SITE CIVIL PLANS FOR GUARD RAIL DETAILS.



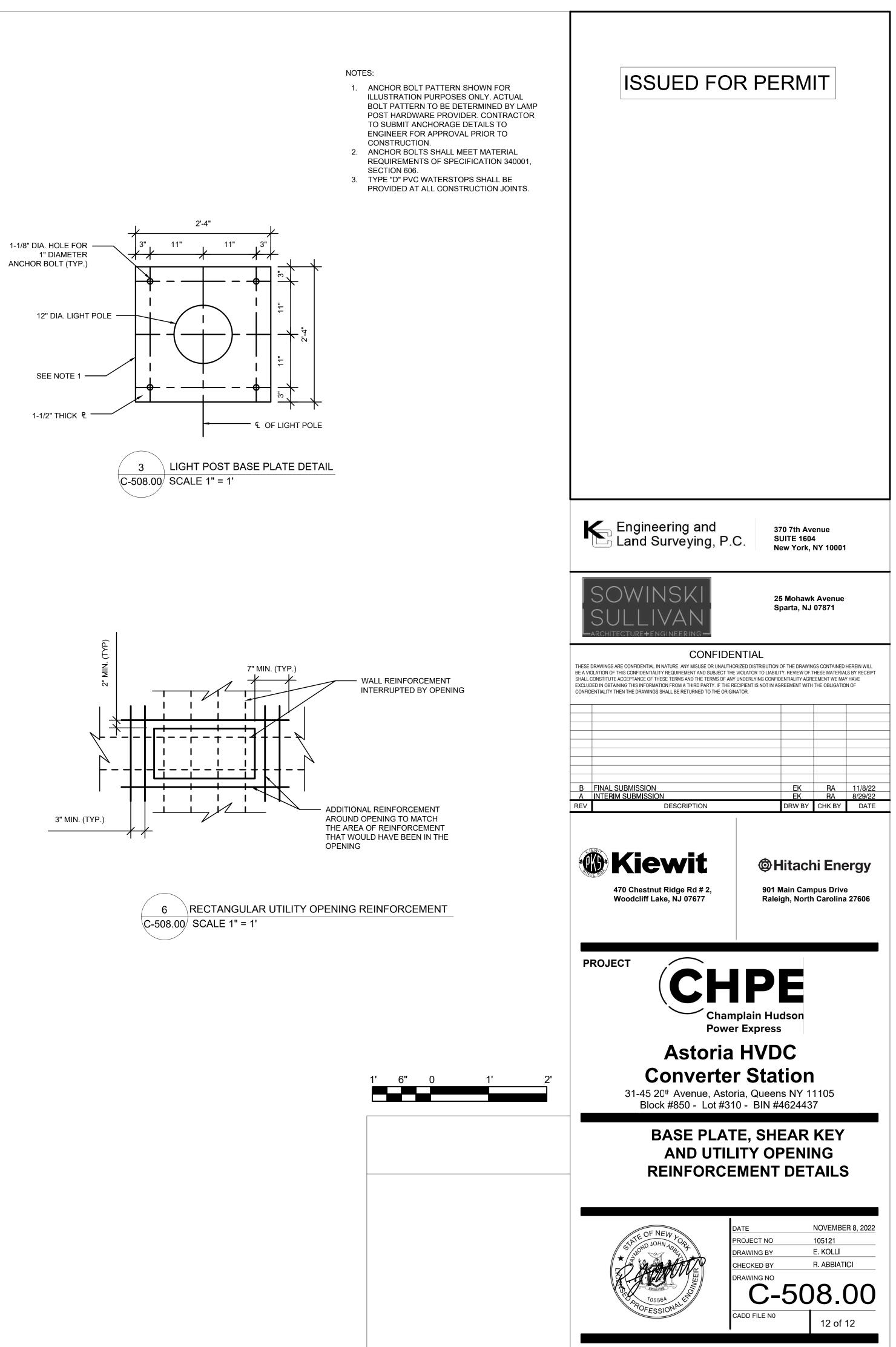


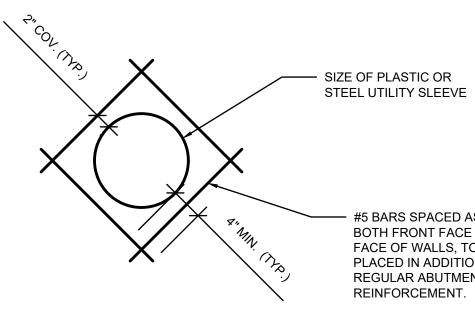






C-508.00/ SCALE 1" = 1'





· #5 BARS SPACED AS SHOWN BOTH FRONT FACE AND BACK FACE OF WALLS, TO BE PLACED IN ADDITION TO REGULAR ABUTMENT REINFORCEMENT.



