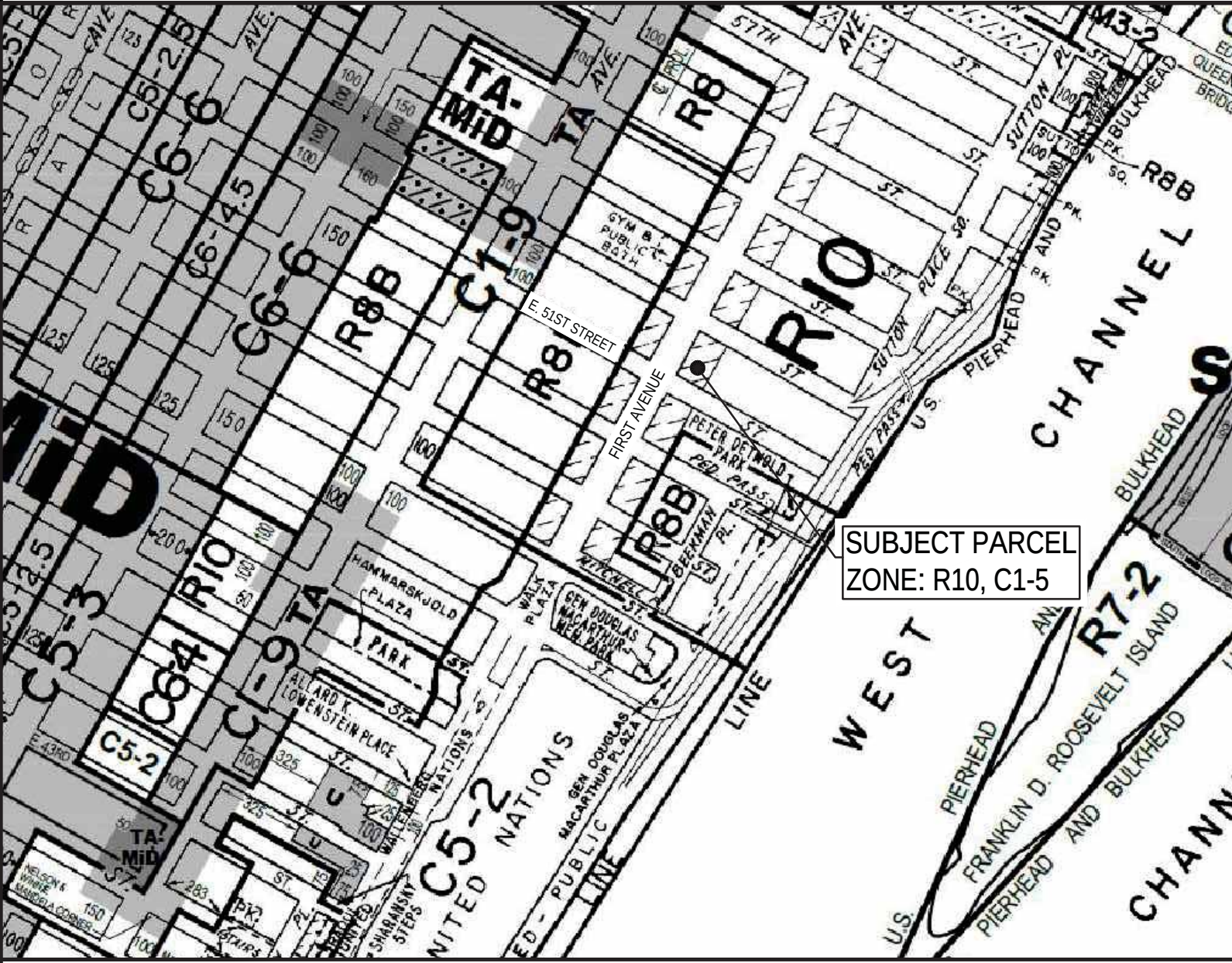


DOT APPROVAL OF DESIGN ELEMENTS
For self-certified projects only

Item requiring DOT approval	Approved by	Date
-----------------------------	-------------	------

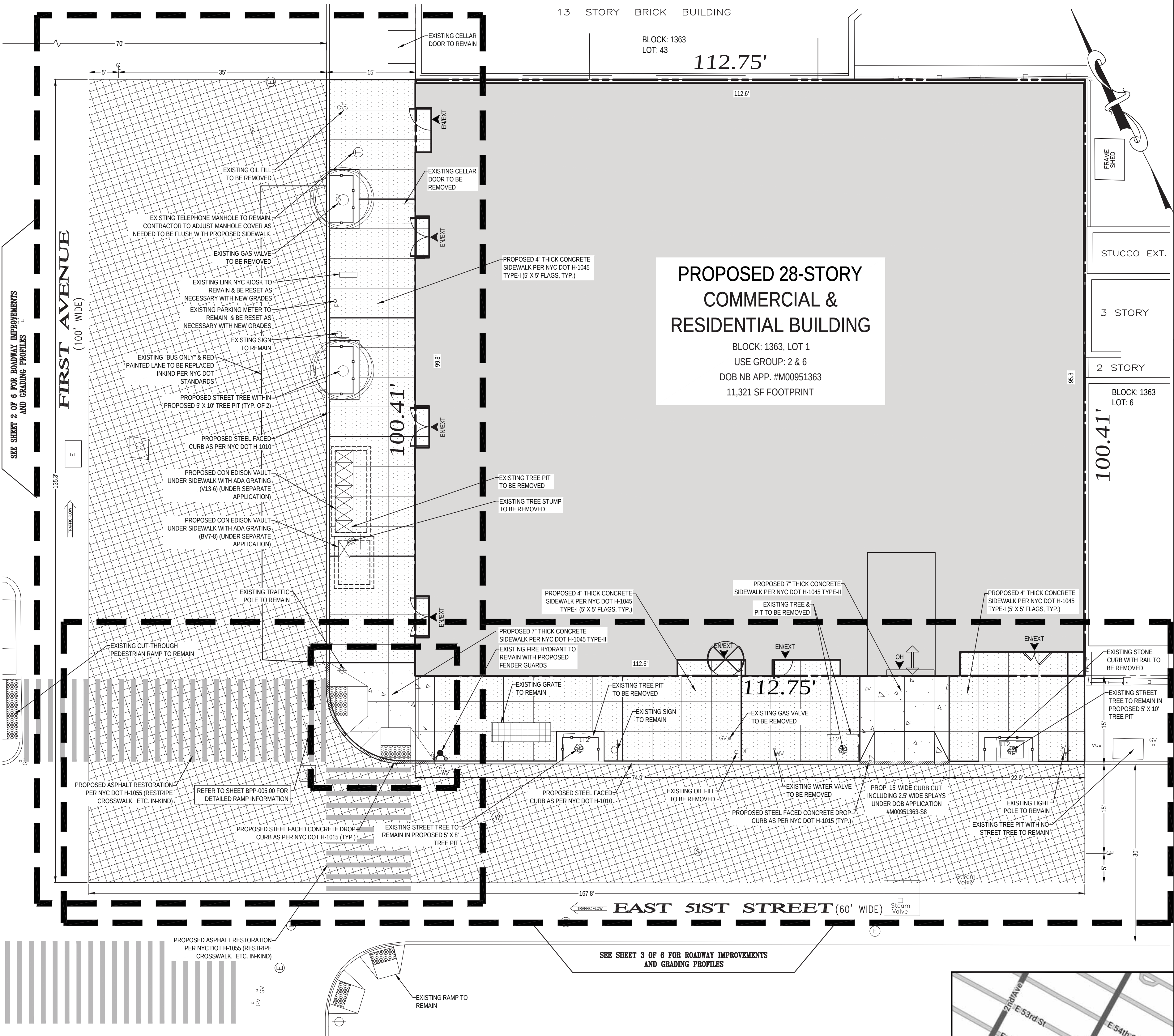


TAX MAP
N.T.S.

REQUIRED SPECIAL INSPECTIONS	
NO SPECIAL INSPECTION REQUIRED FOR THIS APPLICATION.	
ITEMS UNDER SEPARATE APPLICATION	
1. NEW BUILDING.....DOB NB APP. #M00951363	
2. CURB CUT.....DOB APP. #M00951363-S8	
WORK SCOPE	
FILING FOR REPLACEMENT OF 213 LINEAR FEET OF CONCRETE SIDEWALK, STEEL FACED CURB AND ASPHALT PAVEMENT REPLACEMENT ALONG FIRST AVENUE AND EAST 51ST STREET PROPERTY FRONTAGES. WORK FILED UNDER THE LATEST NYC DOT STANDARDS AND 2022 NYC BUILDING CODE.	

LIST OF ESTIMATED QUANTITIES			
New Concrete Curb	—	Lin ft.	
New Steel Face Curb	213	Lin ft.	
New Sidewalk	3,255	Sq.ft	
New Roadway	889	Sq.yds	
New Trees	2	Each	
New CBs	—	Each	
New DIP	—	Lin ft.	
New Manholes	—	Each	

ROADWAY / SIDEWALK REPAIR LEGEND	
	PROPOSED 4" THICK CONCRETE SIDEWALK PER NYC DOT H-1045 TYPE-I
	PROPOSED 7" THICK CONCRETE SIDEWALK PER NYC DOT H-1045 TYPE-II
	PROPOSED ASPHALT P.V.M.T. IN R.O.W.-3" A.C. WEARING SURFACE AND 6"-9" THICK CONC. BASE (IF DAMAGED DURING CURB INSTALLATION) TO BE EXTENDED AS DIRECTED BY EXAMINER IF REQUIRED.



BUILDERS PAVEMENT PLAN

SCALE: 1" = 10'

REFERENCES

THESE PLANS REFERENCE:

SURVEY PREPARED BY:
MONTROSE SURVEYING CO., LLP
116-26 METROPOLITAN AVE
RICHMOND HILL, NY 11418-1090
DATED: 05/24/2023

ARCHITECTURAL PLANS PREPARED BY:
SLICE ARCHITECTS
1359 BROADWAY
NEW YORK, NY 10018
DATED: 06/12/2024

VICINITY MAP BACKGROUND DATA PROVIDED BY MAPS.GOOGLE.COM

GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.

STREET TREE CALCULATIONS

REQUIREMENTS	CALCULATIONS (REQ./PROP.)	COMPLIANCE
NYC PARKS:		
STREET TREES: ONE STREET TREE FOR EVERY 25 FT. OF ROAD FRONTAGE	FRONTAGE: 213.16' 213.16' / 25' = 8.53 = 9 TREES REQ.	EX. TREES TO PROTECT..... 2 PR. TREES TO REMOVE/RELOCATED..... 1 PR. TREES TO PLANT..... 2 TREES TO PLANT OFF-SITE..... 0 TREES TO PAY INTO TREE FUND..... 5

NYC OFF-SITE STREET TREE PLANTING NOTES:

THE EXACT LOCATION AND NUMBER OF OFF-SITE STREET TREE PLANTINGS WILL BE DETERMINED BY NYC DEPARTMENT OF PARKS FOLLOWING FIELD INSPECTION OF THE FINISHED ON-SITE SIDEWALK WORK. THE CONTRACTORS BID PRICE SHOULD REFLECT THE ADDITIONAL TREE PLANTING AND/OR A FEE PAID TO THE NYC DEPARTMENT OF PARKS IN LIEU OF TREE PLANTINGS AS WELL AS THE POSSIBILITY OF CHANGES IN PLANT SPECIES.

NYC DEPARTMENT OF PARKS RESTRICTS STREET TREE PLANTING TO THE FOLLOW SEASONS:
FALL PLANTING - OCTOBER 1 TO DECEMBER 31
SPRING PLANTING - MARCH 1 TO MAY 31

SITE

VICINITY MAP

N.T.S.

DATUM NOTE:
ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO NAVD 1988 WHICH IS 1.85 FEET HIGHER THAN MANHATTAN SEWER DATUM.

Block: 1363 Lot(s): 1
Zoning: R10, C1-5 Zoning Map No.: 8d
Street Address: 405 EAST 51ST STREET
MANHATTEN, NY 10022

Owner: 51ST STREET FEE OWNER LLC
Address: 270 LAFAYETTE STREET, SUITE 506
NEW YORK, NY 10012

DOB Ref. No.: M00951363
DOB BPP No.: 141026066
SHEET No.: 1 OF 6

BUILDERS PAVEMENT PLAN

PROJECT DATA

WAIVERS

DOT requirement waived As per/Date

1) _____
2) _____
3) _____
4) _____

NOTES

GENERAL REQUIREMENTS

- ALL DESIGNS, MATERIALS, CONSTRUCTION METHODS AND WORKMANSHIP SHALL COMPLY WITH THE FOLLOWING PUBLICATIONS OF THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION (NYCDOT): STANDARD SPECIFICATIONS, STANDARD DETAILS OF CONSTRUCTION; RULES OF THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION (NYCDOT); GUIDELINES FOR THE DESIGN OF INFRASTRUCTURE COMPONENTS.
- ALL NON STANDARD MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE DOT.
- ANY WORK NOT COMPLYING WITH THE REQUIREMENTS OF THE DOT SHALL BE REMOVED AND REPLACED.
- THIS PLAN SHALL BE VALID FOR THE ISSUANCE OF CONSTRUCTION PERMITS FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL OR SELF-CERTIFICATION, AS APPLICABLE.
- ALL SIDEWALK AND STREET AREAS CONSTRUCTED UNDER THIS PLAN SHALL REMAIN OPEN TO THE PUBLIC AT ALL TIMES.
- ALL PROPOSED CURB TO BE STEEL FACED CURB.
- TRANSVERSE EXPANSION JOINTS SHALL BE ONE-QUARTER (1/4) INCH IN WIDTH MIN TO (1/2) INCH MAX, AND SHALL BE FILLED WITH PREFORMED JOINT FILLER TO WITHIN ONE (1) INCH OF THE SIDEWALK SURFACE. THE TOP ONE (1) INCH SHALL BE SEALED WITH POURED JOINT FILLER.
- CONCRETE SHOULD BE CONSTRUCTED OF 5"x5" FLAGS. FLAG LINES SHOULD BE STRAIGHT. ROUGH SURFACED, CRACKED, DEPRESSED AND OTHER TYPES OF DEFLECTED FLAGS, MUST BE CORRECTED TO CONFORM TO DOT STANDARDS (HWY RULE, SECTION 4, GENERAL SIDEWALK REQUIREMENTS viii).
- SEE NYC R.O.W. DETAILS SHEET FOR REQUIRED CURB AND RAMP DETAILS.

ISSUANCE OF PERMITS

- NO SIDEWALK, CURB OR ROADWAY WORK SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH HIGHWAY SUPERINTENDENT. APPLICATION SHALL BE MADE THREE DAYS BEFORE STARTING CONSTRUCTION. THE CONTRACTOR SHALL HAVE ALL REQUIRED INSURANCE COVERAGE ON FILE.
- NO WORK ON DRAINAGE STRUCTURES SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH OFFICE OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- ANY VAULT WORK AT THE SITE SHALL BE DONE AS PER THE APPLICABLE RULES OF THE DOT AND THE DEPT. OF BUILDINGS.

CONSTRUCTION ACTIVITY

- A CONSTRUCTION PLAN SHOWING MAINTENANCE AND PROTECTION OF TRAFFIC, INCLUDING PLACEMENT OF SIDEWALK BRIDGES, BARRIERS AND SIGNAGE, SHALL BE SUBMITTED TO THE BOROUGH HIGHWAY OFFICE BEFORE CONSTRUCTION BEGINS.
- NO SIDEWALK SHALL BE CLOSED WITHOUT A PERMIT. PEDESTRIAN AND TRAFFIC SAFETY SHALL BE PROTECTED AT ALL TIMES. ROADWAY CLOSINGS SHALL BE AS DIRECTED.
- THE SITE SHALL BE MAINTAINED IN A CLEAN AND SAFE CONDITION.

FINAL SIGN-OFF

- PERMITS SHALL BE PRESENTED FROM ALL PUBLIC AGENCIES AND UTILITIES HAVING OWNERSHIP OF STRUCTURES RELOCATED OR REMOVED DURING CONSTRUCTION.
- ALL PAVEMENT MARKINGS INCLUDING THERMOPLASTIC LANE DIVIDERS, REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN KIND TO THE BUREAU OF TRAFFIC STDS.
- ALL EXISTING CATCH BASINS ON SITE SHALL BE CLEANED AND MADE OPERABLE.
- ALL DAMAGE CAUSED BY CONSTRUCTION ON THIS PROJECT OUTSIDE THE PROJECT LIMITS SHALL BE REPAIRED AS DIRECTED.
- THE ROADWAY SHALL BE PAVED TO THE REQUIREMENTS OF THE DOT AND AS DIRECTED.
- CONTRACTOR SHALL HAVE ALL CATCH BASINS IN RIGHT OF WAY CLEANED BY NYCDOT AND OBTAIN LETTER FROM NYCDOT AS CONFIRMATION.
- CONTRACTOR SHALL OBTAIN CONCRETE CORE REPORTS PER NYCDOT SPECIFICATIONS AND AS REQUIRED FOR SIGN OFF.
- CONTRACTOR SHALL OBTAIN FINAL SURVEY PER NYCDOT SPECIFICATIONS AND AS REQUIRED FOR SIGN OFF. (REBUSH ALL PAVEMENT MARKINGS THAT HAVE BEEN REMOVED/DAMAGED DURING CONSTRUCTION. FURNISH BUT NOT LIMITED TO EDGE LINES, HATCHING, ETC.) ACCORDING TO APPLICABLE STANDARDS AND SPECIFICATIONS.

PROFESSIONAL CERTIFICATION

I am submitting this plan under professional certification in compliance with all applicable requirements.

Signature _____ Date _____

DOT APPROVAL NOT REQUIRED

DOT ACCEPTANCE

Proposed and existing work shown here reviewed for compliance with all applicable rules and requirements by:

Plan Examiner
Acceptance for issuance of work permits granted by:

Chief/BUILDERS Pavement Section _____ Date _____

5	06/12/24	DOB SUBMISSION
4	06/12/24	75% CD ISSUANCE
3	03/22/24	50% CD ISSUANCE
2	01/15/24	50% DESIGN DEVELOPMENT
1	11/21/23	SCHEMATIC DESIGN ISSUANCE
No.	DATE	REVISION

PROPOSED 28-STORY COMMERCIAL & RESIDENTIAL BUILDING

405 E. 51ST STREET
MANHATTAN, NY 10022
BOROUGH OF MANHATTAN COUNTY OF NEW YORK
BLOCK: 1363, LOT: 1 MAP: 8d ZONE: R10, C1-5
USE GROUP 2 & 6

BUILDERS PAVEMENT PLAN COVER SHEET

SEAL & SIGNATURE
JACLYN PERANTRAU, P.E.
NEW YORK STATE PROFESSIONAL ENGINEER 083997

DATE: 10/09/23
PROJECT No: 23159
DRAWING BY: JR
CHK BY: YT
DWG No: BPP-001.00

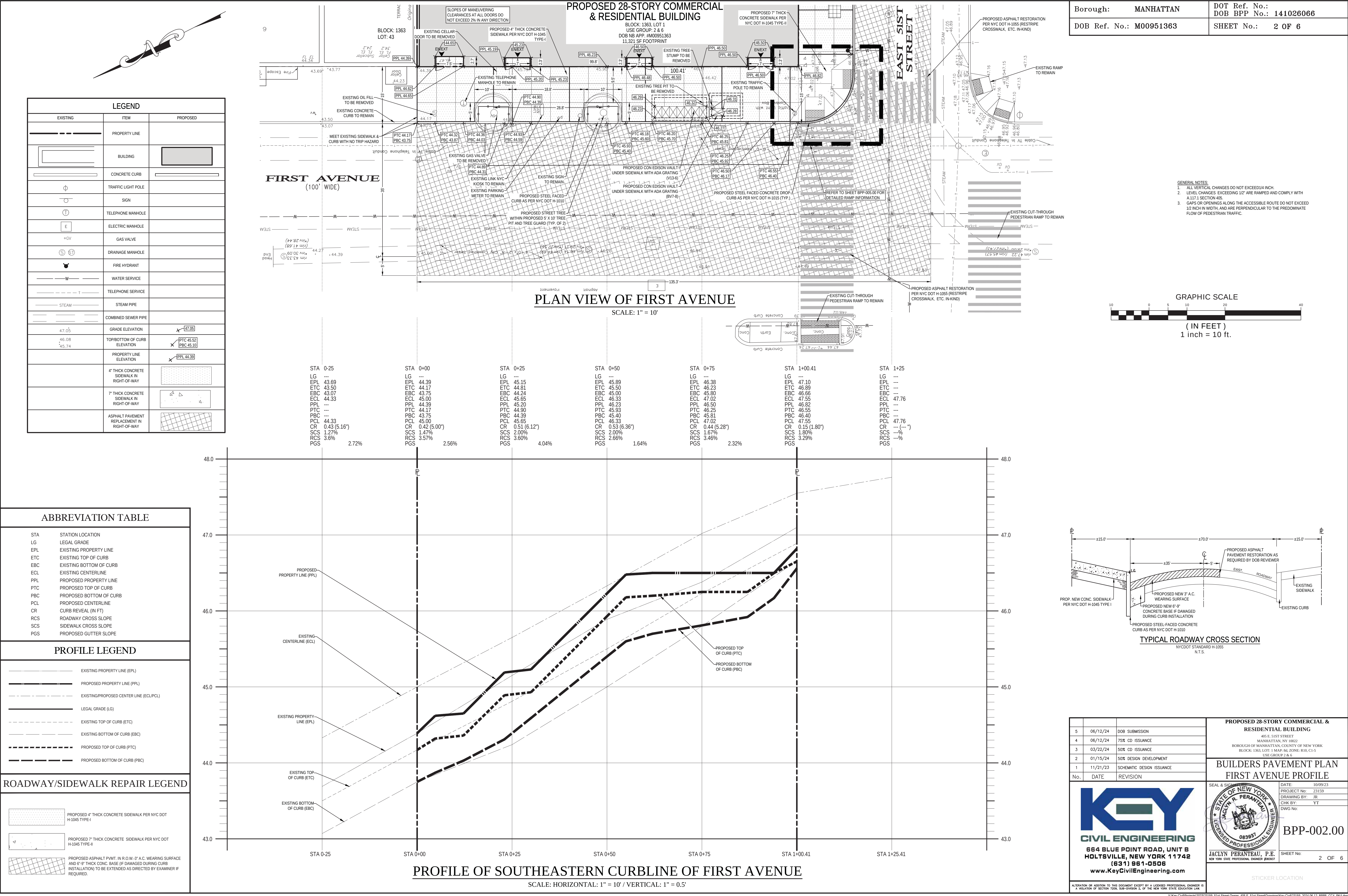
SHEET No: 1 OF 6

KEY CIVIL ENGINEERING

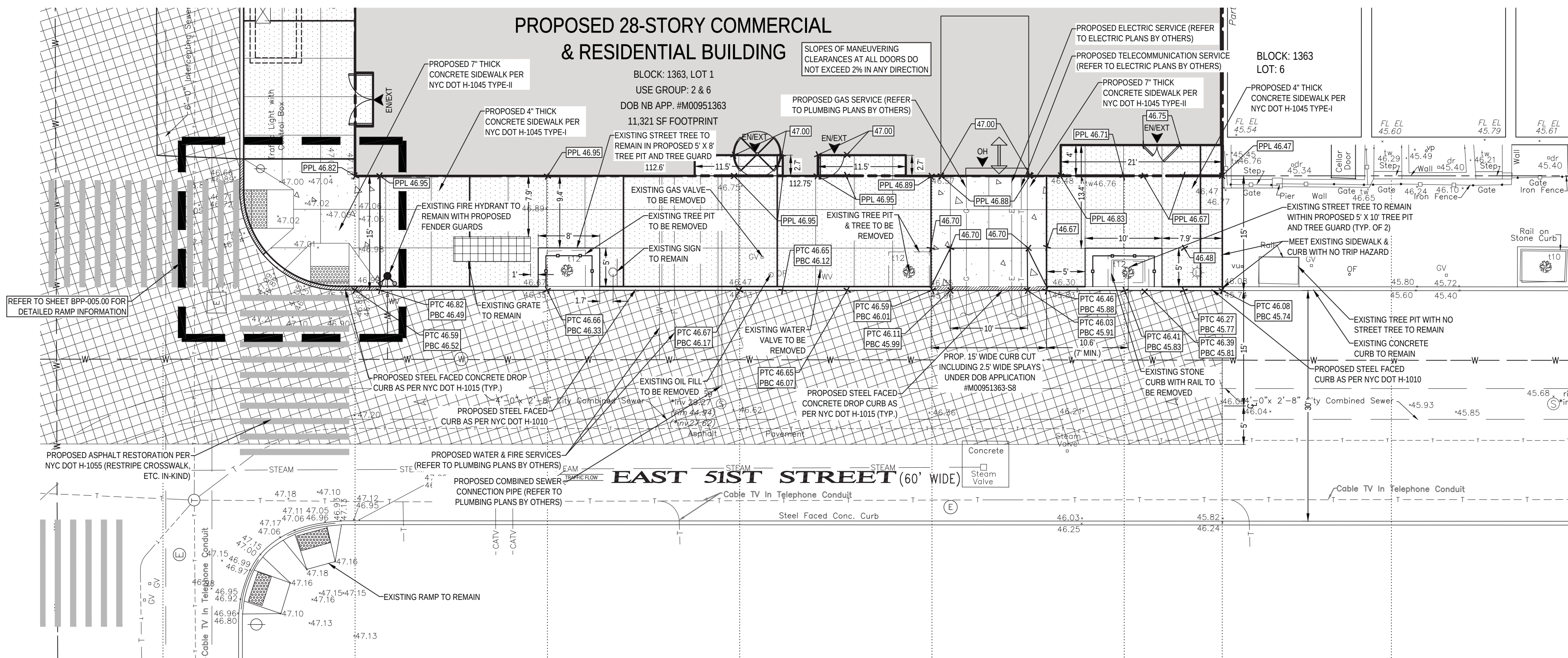
664 BLUE POINT ROAD, UNIT B
HOLTSVILLE, NEW YORK 11742
(631) 961-0506
www.KeyCivilEngineering.com

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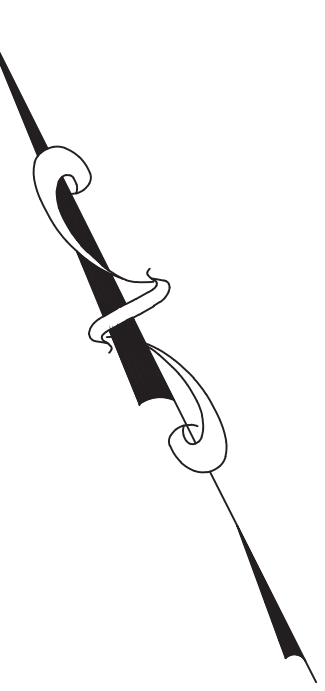
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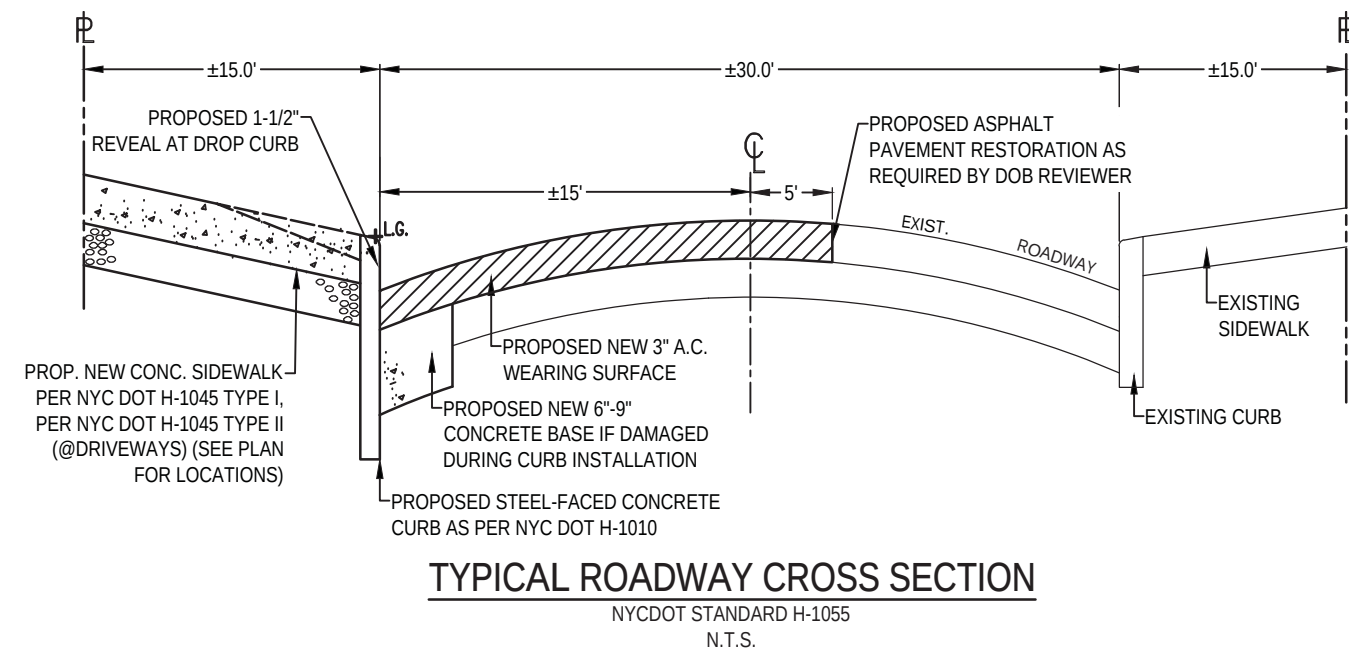
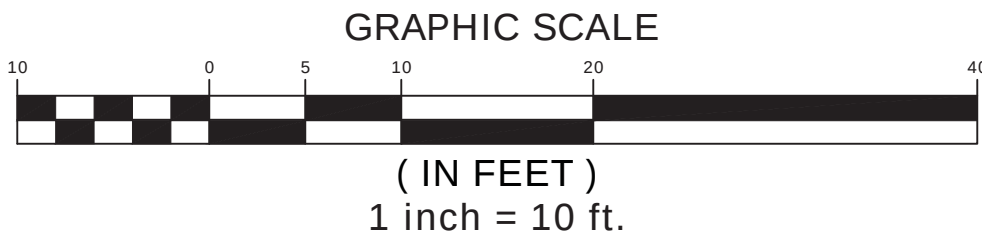
LEGEND		
EXISTING	ITEM	PROPOSED
	PROPERTY LINE	
	BUILDING	
	CONCRETE CURB	
	TRAFFIC LIGHT POLE	
	SIGN	
	TELEPHONE MANHOLE	
	ELECTRIC MANHOLE	
	GAS VALVE	
	DRAINAGE MANHOLE	
	FIRE HYDRANT	
	WATER SERVICE	
	TELEPHONE SERVICE	
	ELECTRIC SERVICE	
	GAS SERVICE	
	STEAM PIPE	
	COMBINED SEWER PIPE	
	GRADE ELEVATION	
	TOR/BOTTOM OF CURB ELEVATION	
	PROPERTY LINE ELEVATION	
	4" THICK CONCRETE SIDEWALK IN RIGHT-OF-WAY	
	7" THICK CONCRETE SIDEWALK IN RIGHT-OF-WAY	
	ASPHALT PAVEMENT REPLACEMENT IN RIGHT-OF-WAY	



Borough: MANHATTAN	DOT Ref. No.: DOB BPP No.: 141026066
DOB Ref. No.: M00951363	SHEET No.: 3 OF 6



- GENERAL NOTES:**
1. ALL VERTICAL CHANGES DO NOT EXCEED 1/4 INCH.
 2. LEVEL CHANGES EXCEEDING 1/2" ARE RAMPED AND COMPLY WITH A.117.1 SECTION 405.
 3. GAPS OR OPENINGS ALONG THE ACCESSIBLE ROUTE DO NOT EXCEED 1/2 INCH IN WIDTH, AND ARE PERPENDICULAR TO THE PREDOMINATE FLOW OF PEDESTRIAN TRAFFIC.



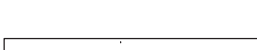
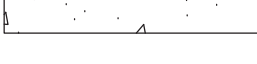
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LG	---	LG	---	LG	---	LG	---	LG	---	LG	---	LG	---	LG	---
EPL	---	EPL	47.10	EPL	46.93	EPL	46.76	EPL	46.57	EPL	46.48	EPL	46.47	EPL	46.30
ETC	---	ETC	46.86	ETC	46.67	ETC	46.47	ETC	46.35	ETC	46.29	ETC	46.08	ETC	45.82
EBC	---	EBC	46.75	EBC	46.35	EBC	46.13	EBC	46.13	EBC	45.82	EBC	45.74	EBC	45.62
ECL	47.49	ECL	47.20	ECL	46.83	ECL	46.62	ECL	46.36	ECL	46.19	ECL	46.08	ECL	45.94
PPL	---	PPL	46.62	PPL	46.95	PPL	46.95	PPL	46.89	PPL	46.71	PPL	46.47	PPL	---
PTC	---	PTC	46.59	PTC	46.66	PTC	46.67	PTC	46.51	PTC	46.41	PTC	46.08	PTC	---
PBC	---	PBC	46.52	PBC	46.33	PBC	46.17	PBC	46.01	PBC	45.83	PBC	45.74	PBC	---
PCl	47.49	PCL	47.20	PCL	46.83	PCL	46.36	PCL	46.36	PCL	46.19	PCL	46.08	PCl	45.94
CR	---	CR	0.07 (0.84")	CR	0.33 (4.00")	CR	0.50 (6.00")	CR	0.58 (7.00")	CR	0.58 (7.00")	CR	0.34 (4.08")	CR	0.20 (2.40")
SCS	---	SCS	0.60%	SCS	1.83%	SCS	1.87%	SCS	2.00%	SCS	2.00%	SCS	2.60%	SCS	3.22%
RCS	---	RCS	4.53%	RCS	3.33%	RCS	3.00%	RCS	2.33%	RCS	2.40%	RCS	2.23%	RCS	2.13%
PGS	---	PGS	0.76%	PGS	0.64%	PGS	0.64%	PGS	0.72%	PGS	0.71%	PGS	0.48%	PGS	---

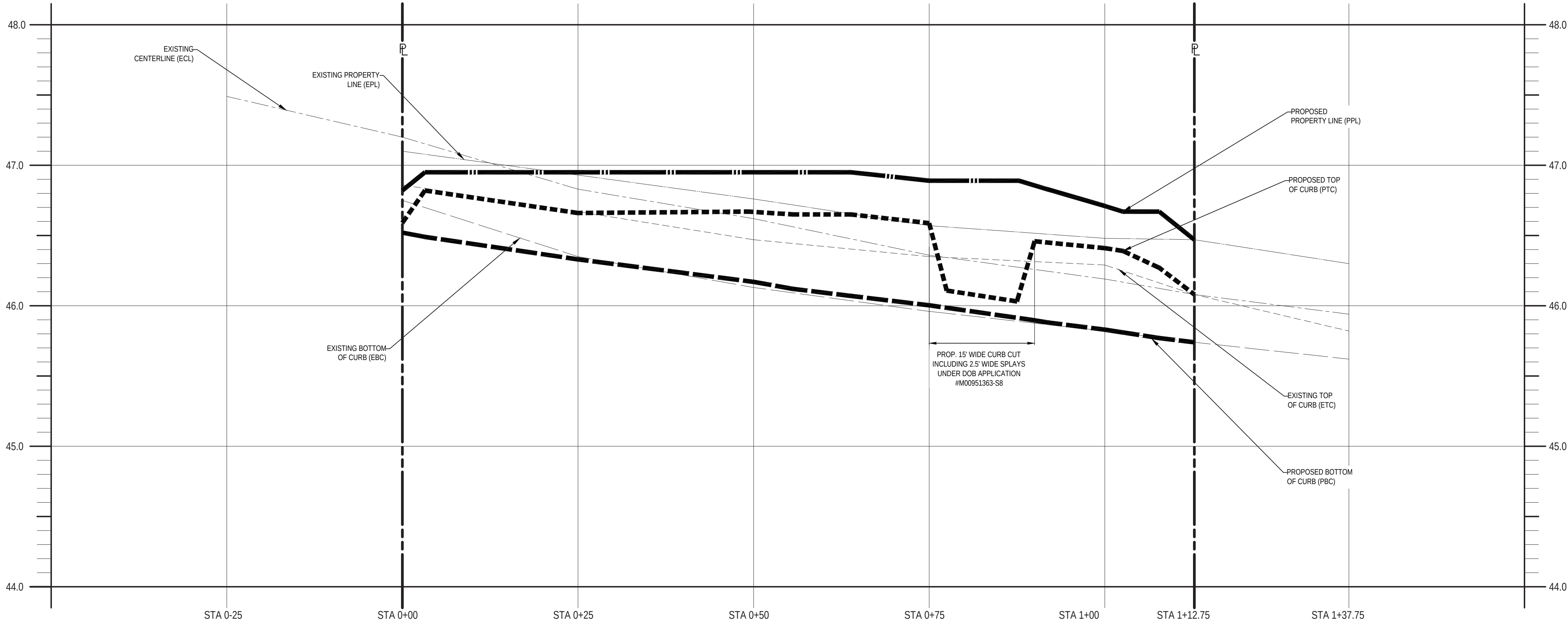
ABBREVIATION TABLE	
STA	STATION LOCATION
LG	LEGAL GRADE
EPL	EXISTING PROPERTY LINE
ETC	EXISTING TOP OF CURB
EBC	EXISTING BOTTOM OF CURB
ECL	EXISTING CENTERLINE
PPL	PROPOSED PROPERTY LINE
PTC	PROPOSED TOP OF CURB
PBC	PROPOSED BOTTOM OF CURB
PCL	PROPOSED CENTERLINE
CR	CURB REVEAL (IN FT)
RCS	ROADWAY CROSS SLOPE
SCS	SIDEWALK CROSS SLOPE
PGS	PROPOSED GUTTER SLOPE

PROFILE LEGEND

	EXISTING PROPERTY LINE (EPL)
	PROPOSED PROPERTY LINE (PPL)
	EXISTING/PROPOSED CENTER LINE (ECL/PCL)
	LEGAL GRADE (LG)
	EXISTING TOP OF CURB (ETC)
	EXISTING BOTTOM OF CURB (EBC)
	PROPOSED TOP OF CURB (PTC)
	PROPOSED BOTTOM OF CURB (PBC)

ROADWAY/SIDEWALK REPAIR LEGEND

	PROPOSED 4" THICK CONCRETE SIDEWALK PER NYC DOT H-1045 TYPE-I
	PROPOSED 7" THICK CONCRETE SIDEWALK PER NYC DOT H-1045 TYPE-II
	PROPOSED ASPHALT P.V.M.T. IN R.O.W.-3' A.C. WEARING SURFACE AND 6'-9" THICK CONC. BASE (IF DAMAGED DURING CURB INSTALLATION) TO BE EXTENDED AS DIRECTED BY EXAMINER IF REQUIRED



PROFILE OF NORTHEASTERN CURBLINE OF EAST 51ST STREET

5	06/12/24	DOB SUBMISSION	PROPOSED 28-STORY COMMERCIAL & RESIDENTIAL BUILDING 405 E. 51ST STREET MANHATTAN, NY 10022 BOROUGH OF MANHATTAN, COUNTY OF NEW YORK BLOCK: 1363, LOT: 1 MAP: BA, ZONE: R10, C1-5 USE GROUP 2 & 6
4	06/12/24	75% CD ISSUANCE	
3	03/22/24	50% CD ISSUANCE	
2	01/15/24	50% DESIGN DEVELOPMENT	
1	11/21/23	SCHEMATIC DESIGN ISSUANCE	
No.	DATE	REVISION	



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SEAL & SIGNATURE OF

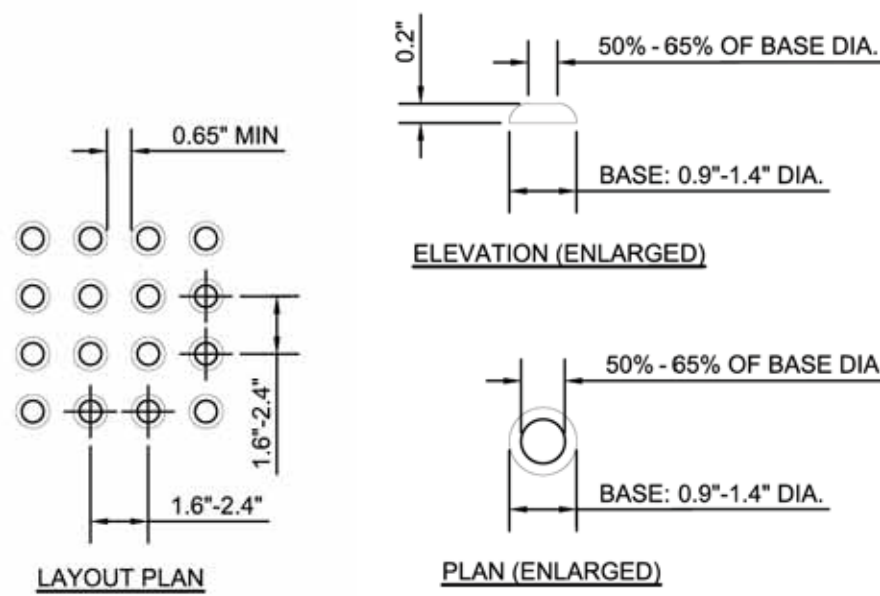
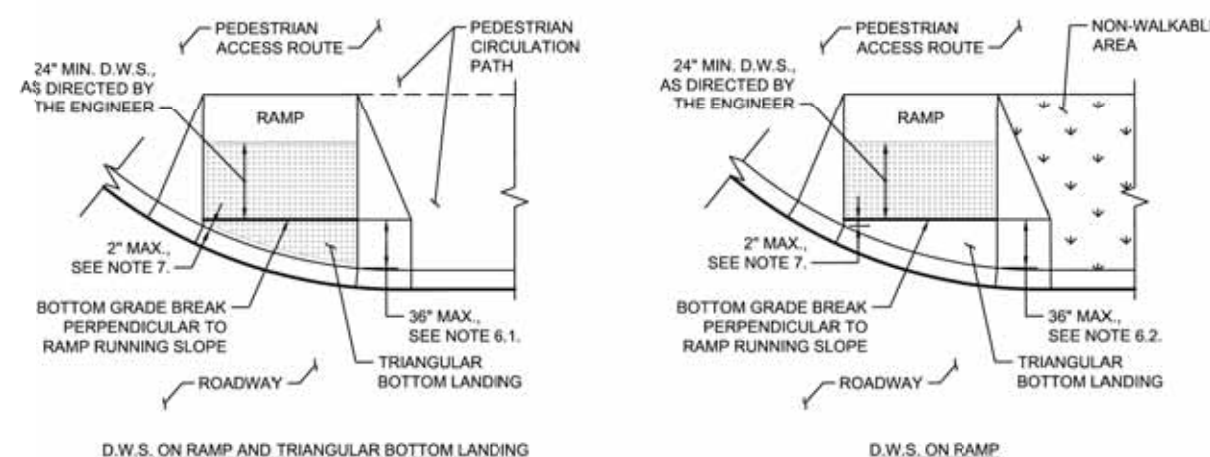
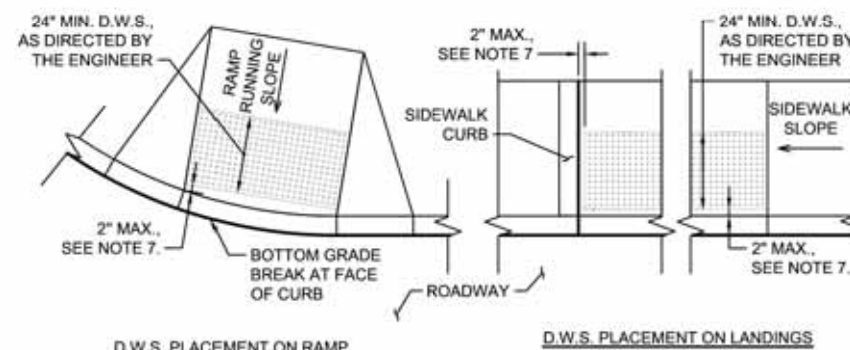
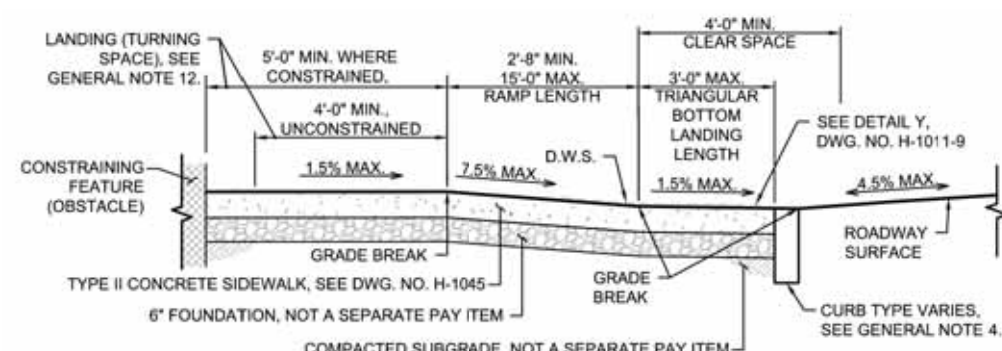
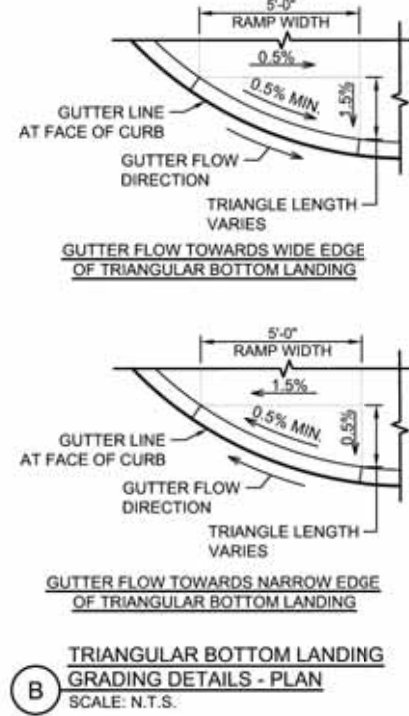
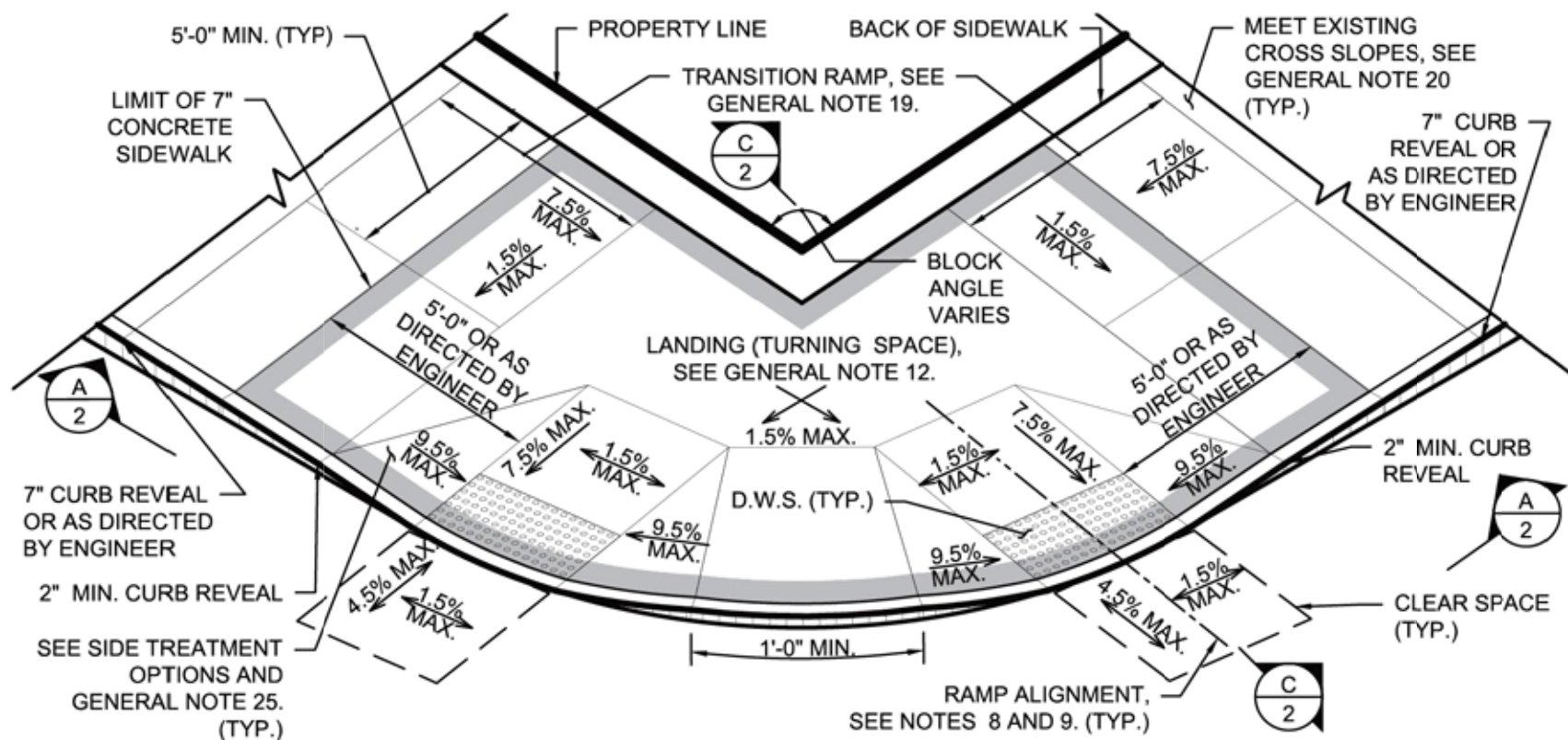
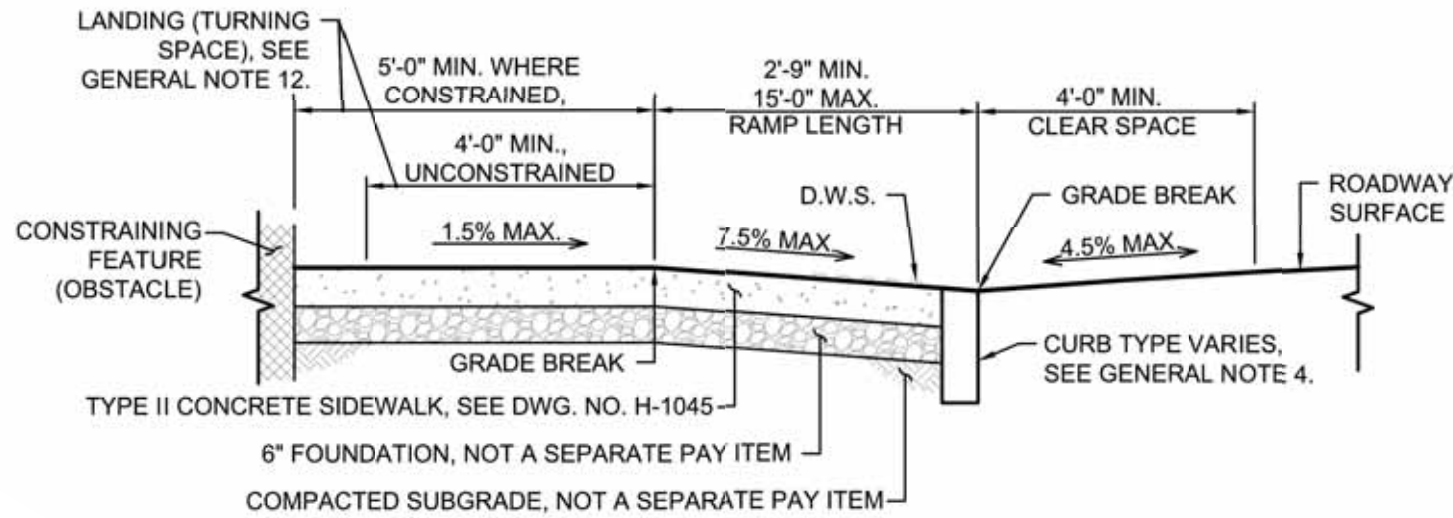
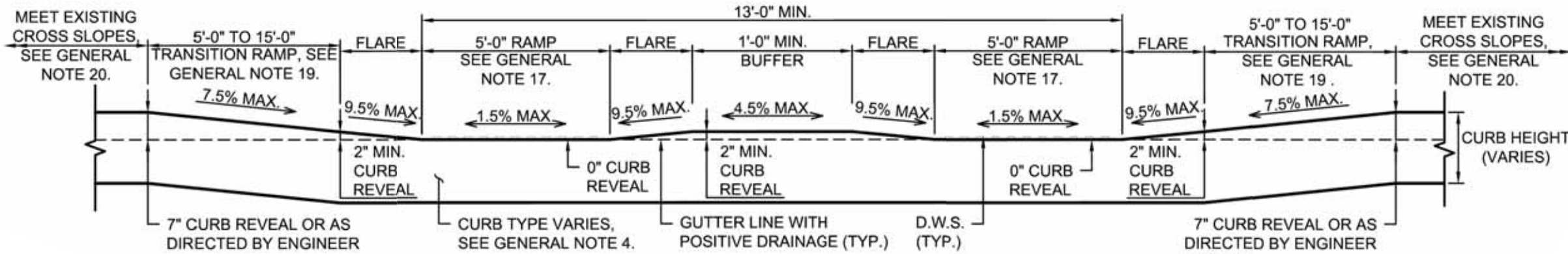
JACLYN PERANTEAU, P.E.
NEW YORK STATE PROFESSIONAL ENGINEER #083937

DATE: 10/09/23
PROJECT No.: 23159
DRAWING BY: JR
CHK BY: YT
DWG No.: BPP-003.00

SHEET No.: 3 OF 6

STICKER LOCATION

ALTERNATE: IN ADDITION TO THIS DOCUMENT REFER TO A LICENSED PROFESSIONAL ENGINEER AS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.



- NOTES:**
- FOR INDEX OF DRAWINGS, SLOPE LIMITS, LEGEND, GLOSSARY, GENERAL NOTES, SEE DWG. NO. H-1011-1.
 - DETECTABLE WARNING SURFACE (D.W.S.) NOTES:**
 - D.W.S. MUST BE INSTALLED AT ALL FLUSH CURB LOCATIONS, WHERE THE PEDESTRIAN CIRCULATION PATH CROSSES A ROADWAY, RAILWAY, OR TRAFFIC CONTROLLED DRIVEWAY.
 - D.W.S. MUST BE INSTALLED ACROSS THE FULL WIDTH OF FLUSH CURB, INCLUDING FULL RAMP WIDTH, FULL BOTTOM LANDING WIDTH, FULL BLENDED TRANSITION WIDTH, AND FULL CUT-THROUGH WIDTH (WHERE APPLICABLE).
 - D.W.S. MUST BE INSTALLED ACROSS THE FULL WIDTH OF THE PEDESTRIAN CIRCULATION PATH, AT ANY STOP, YIELD CONTROLLED, OR SIGNALIZED DRIVEWAY. D.W.S. MUST NOT BE INSTALLED AT UNCONTROLLED DRIVEWAYS.
 - D.W.S. MUST BE INSTALLED FOR A MINIMUM LENGTH OF 24 INCHES IN THE DIRECTION OF PEDESTRIAN TRAVEL. D.W.S. MUST BE INSTALLED OR OMITTED AT ISLAND AND MEDIAN CUT THROUGHS IN ACCORDANCE WITH NOTE 12 ON DWG. NO. H-1011-6, AS DIRECTED BY THE ENGINEER.
 - TO PROVIDE A CONTINUOUS DETECTABLE EDGE BETWEEN THE PEDESTRIAN CIRCULATION PATH AND THE ROADWAY AT THE FLUSH CURB OF A DIRECTIONAL RAMP, THE D.W.S. MUST BE INSTALLED AS FOLLOWS, AS DIRECTED BY THE ENGINEER.
 - WHEN THE TRIANGULAR BOTTOM LANDING OF A DIRECTIONAL RAMP ADJOINS A PEDESTRIAN CIRCULATION PATH ON THE SIDEWALK, THE D.W.S. MUST BE INSTALLED ON THE RAMP AND THE TRIANGULAR BOTTOM LANDING WITH THE FOLLOWING EXCEPTION: D.W.S. MAY BE OMITTED FROM THE TRIANGULAR BOTTOM LANDING AT LOCATIONS WHERE VERTICAL OBSTRUCTIONS TO PEDESTRIAN TRAVEL ARE LOCATED NO MORE THAN 18 INCHES (18") FROM THE WIDE EDGE OF THE TRIANGULAR BOTTOM LANDING.
 - WHEN THE TRIANGULAR BOTTOM LANDING OF A DIRECTIONAL RAMP ADJOINS A NON-WALKABLE AREA ON THE SIDEWALK, THE D.W.S. MAY BE OMITTED FROM THE TRIANGULAR BOTTOM LANDING.
 - WHERE PROPOSED AT THE BACK OF CURB, D.W.S. MUST BE INSTALLED WITH A TWO INCH (2") MAXIMUM OFFSET FROM THE EXPANSION JOINT OR TOOLED RADIUS.
 - D.W.S. MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES AS DIRECTED BY THE ENGINEER. D.W.S. MAY BE CUT OR TRIMMED TO MEET THE REQUIREMENTS OF THIS DETAIL, AS DIRECTED AND APPROVED BY THE ENGINEER.
 - THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF TRUNCATED DOMES DEPICTED ON THE D.W.S. IS FOR ILLUSTRATION ONLY.
 - D.W.S. MUST PROVIDE COLOR CONTRAST WITH THE ADJOINING SIDEWALK. FOR D.W.S. REQUIREMENTS INCLUDING COLOR CONTRAST, SEE NYC DOT STANDARD HIGHWAY SPECIFICATION ITEM NO. 4.13 DE.
 - ON SLOPES OF FIVE PERCENT (5%) OR GREATER, TRUNCATED DOMES MUST BE ALIGNED WITH THE LOWER GRADE BREAK OF THE RAMP. ON SLOPES LESS THAN FIVE PERCENT (5%), TRUNCATED DOMES DO NOT NEED TO BE ALIGNED WITH THE LOWER GRADE BREAK OF THE RAMP.
 - D.W.S. MUST BE PROVIDED AT RAILROAD CROSSING IN ACCORDANCE WITH NEW YORK STATE AND FEDERAL RAILROAD ADMINISTRATION REQUIREMENTS. D.W.S. LAYOUT AT RAILROAD CROSSINGS MUST BE SUBMITTED TO NYSDOT FOR REVIEW AND APPROVAL PRIOR TO ITS CONSTRUCTION.
 - EMBEDDED D.W.S. MUST BE INSTALLED ON A PLANAR SURFACE TO PREVENT WARNING ANY CROSS SLOPE TRANSITIONS (WARNING) WITHIN A RAMP OR TURNING SPACE MUST BE EXCLUSIVE OF THE D.W.S., AT A MAXIMUM RATE OF ONE PERCENT (1.0%) PER LINEAR FOOT.
 - PRE-FABRICATED RADIAL D.W.S. MAY BE USED FOR RADIAL D.W.S. PLACEMENT, WHERE PROCUREMENT OF PRE-FABRICATED RADIAL D.W.S. IS NOT FEASIBLE. RECTANGULAR TILE ARRAYS MAY BE USED TO PROVIDE RADIAL D.W.S. PLACEMENT, AS DIRECTED BY THE ENGINEER, WHERE USED, RADIAL D.W.S. OF ANY TYPE MUST MEET ALL APPLICABLE REQUIREMENTS ON THIS SHEET, INCLUDING DOME SPACING.
 - DETECTABLE WARNING DOMES (TRUNCATED DOMES) MUST MEET THE REQUIREMENTS OF DETAIL Z.
 - WHERE AN EXISTING UTILITY CASTING IS LOCATED WITHIN THE PROPOSED LOCATION OF A D.W.S., THE CONTRACTOR MAY CUT THE D.W.S. TO ACCOMMODATE THE UTILITY CASTING. SEE NOTE 5.

- NOTES:**
- FOR INDEX OF DRAWINGS, SLOPE LIMITS, LEGEND, GLOSSARY, GENERAL NOTES, SEE DWG. NO. H-1011-1.
 - FOR DETECTABLE WARNING SURFACES (D.W.S.), SEE DWG. NO. H-1011-9.
 - FOR OBJECTS IN THE FLARE, EXAMPLE SCORING PATTERNS, EXAMPLE SIDEWALK CURBS AT RAMP, AND MEETING NON-COMPLIANT SLOPES SEE DWG. NO. H-1011-8.
 - CASE C1 AND C2 MAY BE USED WHERE ARC LENGTH BETWEEN EDGE OF OUTSIDE RAMPS, EXCLUDING FLARES, IS 13 FEET OR GREATER.
 - FOR LOCATIONS WHERE PEDESTRIAN CIRCULATION PATH IS EIGHT FEET (8') OR GREATER BUT SITE CONSTRAINTS PROHIBIT CONSTRUCTION OF CASE C1 OR CASE C2, CASE C5 MAY BE USED.
 - FOR CASE C1 AND C2, IF ONE SIDE OF A CORNER DOES NOT LEAD TO A MARKED OR UNMARKED CROSSWALK, THE RAMP AT THAT SIDE MAY BE OMITTED AS DIRECTED BY THE ENGINEER.
 - CASE C1 - PERPENDICULAR NOTES:**
 - CASE C1 MAY BE USED WHERE THE PEDESTRIAN CIRCULATION PATH WIDTH IS EQUAL TO OR GREATER THAN EIGHT FEET (8').
 - CASE C1 SHOULD BE ALIGNED PARALLEL TO THE CROSSWALK DIRECTION TO THE MAXIMUM EXTENT FEASIBLE. TO ACHIEVE THIS, CASE C1 MAY BE PLACED OUTSIDE OF THE CURB RETURN RADIUS.
 - CASE C1 SHOULD NOT BE USED WHERE PLACEMENT WOULD RESULT IN RAMP ALIGNMENT GREATER THAN 45 DEGREES (45°) FROM THE DIRECTION OF THE CROSSWALK.
 - CASE C2 - DIRECTIONAL NOTES:**
 - CASE C2 RAMPS SHOULD BE ALIGNED PARALLEL WITH THEIR RESPECTIVE CROSSWALKS.
 - CASE C2 SHOULD BE CONSIDERED FOR DESIGN AND LAYOUT IF THE SELECTION CRITERIA IN TABLE 2 BELOW ARE APPLICABLE. FOR A FIVE FOOT (5') WIDE RAMP AT A CORNER WITH A TWELVE FOOT (12') CURB RETURN RADIUS.
 - TRIANGULAR BOTTOM LANDING GRADING SHOWN IN DETAIL B, SHOULD BE USED WITH CASE C2.
 - DETECTABLE WARNING SURFACES ON CASE C2 MUST BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS FOR DIRECTIONAL RAMPS SHOWN IN DETAIL Y, SHEET H-1011-9.

			PROPOSED 28-STORY COMMERCIAL & RESIDENTIAL BUILDING		
			405 E. 51ST STREET MANHATTAN, NY 10022 BOROUGH OF MANHATTAN, COUNTY OF NEW YORK BLOCK: 1363, LOT: 1 MAP: 84, ZONE: R10, C1-5 USE GROUP 2 & 6		
			PEDESTRIAN RAMP DETAILS		
5	06/12/24	DOB SUBMISSION			
4	06/12/24	75% CD ISSUANCE			
3	03/22/24	50% CD ISSUANCE			
2	01/15/24	50% DESIGN DEVELOPMENT			
1	11/21/23	SCHEMATIC DESIGN ISSUANCE			
No.	DATE	REVISION			
			SEAL & SIGNATURE  DATE: 10/09/23 PROJECT No.: 23159 DRAWING BY: JR CHK BY: YT DWG No.: BPP-006.00 SHEET No.: 6 OF 6		
			 664 BLUE POINT ROAD, UNIT 8 HOLTSVILLE, NEW YORK 11742 (631) 961-0506 www.KeyCivilEngineering.com		
			STICKER LOCATION		