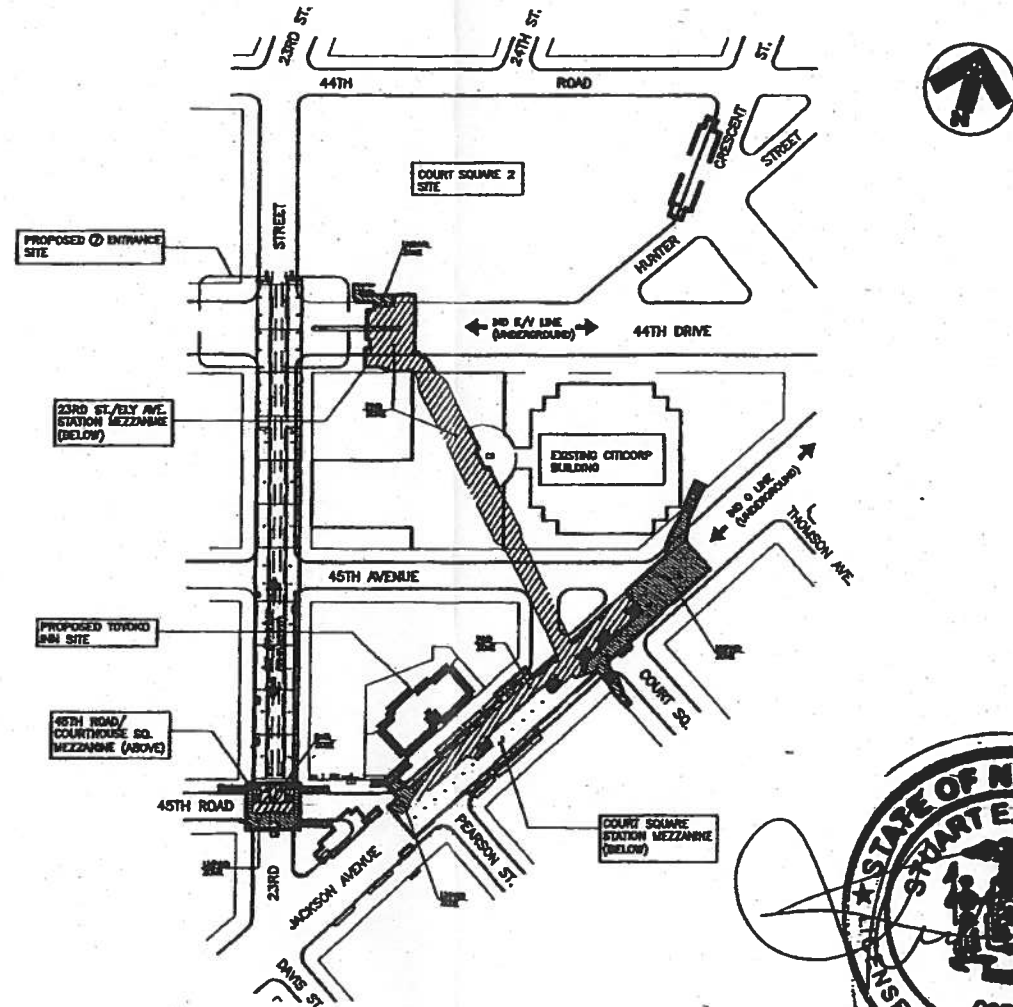


# TOYOKO INN SUBWAY IMPROVEMENTS ROUTE 50 NEW STAIRS AT 45TH ROAD – COURT HOUSE SQUARE STATION FLUSHING LINE BOROUGH OF QUEENS

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LOCATION PLAN

APRIL 20, 2009  
CONCEPT PLANS

PREPARED BY: STANTEC  
CONSULTING SERVICES, INC.  
20 WEST 23rd STREET, NEW YORK, NY 10011 212-348-6800

Stuart Lerner 8/6/09  
PRINCIPAL DATE



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**TRANSIT AUTHORITY GENERAL NOTES:**

1. THE NYC TRANSIT (NYCT) RESERVES THE RIGHT TO PLACE INSPECTORS, FLAGMEN OR OTHER PERSONNEL IN THE SUBWAY STRUCTURES DURING CONSTRUCTION OF THE PROJECT LINKED BY A TELEPHONE SYSTEM, IF DEEMED NECESSARY, TO OBSERVE THE EFFECTS OF THE CONSTRUCTION ON THE TRANSIT FACILITIES. IT IS EXPECTED THAT SUCH PERSONNEL WILL BE NECESSARY WHEN THE CONSTRUCTION COMES WITHIN TWENTY-FIVE FEET OF THE SUBWAY STRUCTURE. HOWEVER, NYCT FURTHER RESERVES THE RIGHT TO PLACE SUCH PERSONNEL, WHENEVER, IN ITS OPINION, THE PROJECT CONDITIONS WARRANT SUCH PLACEMENT, REGARDLESS OF DISTANCE. THE COST OF SUCH PERSONNEL, TELEPHONE INSTALLATION AND ANY RE-ROUTES, DIVERSIONS OF SERVICE, WORK TRAINS, ETC., MADE NECESSARY BY THE PROJECT, MUST BE BORNE BY THE PROJECT OR THE RESPONSIBLE NEW YORK CITY/STATE AGENCY.
2. ALL ROCK EXCAVATION ADJACENT TO THE TRANSIT STRUCTURE IS TO BE CHANNEL DRILLED TWO FEET BELOW SUBGRADE.
3. IF TOP OF ROCK IS FOUND BELOW SUBWAY STRUCTURE, THE SUBWAY STRUCTURE MUST BE UNDERPINNED IN ACCORDANCE WITH DRAWINGS TO BE SUBMITTED TO NYCT FOR APPROVAL.
4. IF ROCK IS SOFT OR SEAMY, LATERAL SUPPORTS MUST BE PROVIDED BELOW THE SUBWAY STRUCTURE IN ACCORDANCE WITH DRAWINGS TO BE SUBMITTED TO NYCT FOR APPROVAL.
5. BLASTING WILL BE PERMITTED ONLY WITH LIGHT CHARGES SUBJECT TO THE APPROVAL OF NYCT'S ENGINEER AND IN ACCORDANCE WITH THE REGULATIONS OF THE FIRE DEPARTMENT. THE CONTRACTOR SHALL PROVIDE A DETAILED MONITORING PLAN, PROVIDING FOR MEASUREMENTS OF BOTH PARTICLE VELOCITY AND DISPLACEMENTS AT CRITICAL LOCATIONS OF BOTH PARTY STRUCTURE. THE MONITORING PLAN SHALL INCLUDE THRESHOLD AND UPSET LEVELS OF BOTH PARTICLE VELOCITY AND SETTLEMENT TOGETHER WITH AN ACTION PLAN FOR THEIR IMPLEMENTATION. THE CONTRACTOR SHALL SECURE AN APPROVED SEISMOLOGIST TO INSTALL AND OPERATE SUITABLE VELOCITY GAUGES TO CONTINUOUSLY MONITOR PARTICLE VELOCITY AND AN INDEPENDENT LICENSED SURVEYOR TO MONITOR THE DISPLACEMENTS. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE AMBIENT CAUSED BY THE BLASTING WILL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL WILL BE REVIEWED AND EVALUATED BY NYCT'S ENGINEER. IN NO CASE WILL PARTICLE VELOCITIES EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND.
6. BEFORE PLACING CONCRETE, THE SUBGRADE OF THE FOUNDATIONS IN THE VICINITY OF THE SUBWAY STRUCTURE IS TO BE INSPECTED AND APPROVED BY NYCT'S ENGINEER.
7. IF ANY PORTION OF THE SUBWAY STRUCTURE OR FINISH IS DAMAGED, IT SHALL BE REPAIRED OR REPLACED WITH THE SAME MATERIALS IN PLACE, SUBJECT TO THE APPROVAL OF NYCT'S ENGINEER AND AT THE EXPENSE OF THE PROJECT.
8. EXCAVATION EMBANKMENTS ARE TO BE SHORED AND BRACED. DRAWINGS INDICATING A SUGGESTED METHOD OF CONSTRUCTION ARE TO BE SUBMITTED TO NYCT FOR APPROVAL IN CONJUNCTION WITH THE PROJECT'S CONTRACT DRAWINGS. IN CASE OF EXCAVATION UNDERMINING THE SUBWAY STRUCTURE, UNDERPINNING MAY BE REQUIRED. DRAWINGS FOR UNDERPINNING ARE TO BE SUBMITTED TO NYCT FOR APPROVAL.
9. TEMPORARY SHORING MAY BE PLACED IN DIRECT CONTACT WITH NYCT STRUCTURES ONLY IF THE NYCT STRUCTURE IS SHOWN TO BE ABLE TO SUPPORT ALL ANTICIPATED LOADS THAT CAN BE TRANSFERRED THROUGH THE TEMPORARY STRUCTURES WITHOUT DAMAGING THE EXISTING STRUCTURE. AT THE COMPLETION OF THE PROJECT, THESE TEMPORARY SHORING AND BRACING SYSTEMS ARE TO BE REMOVED OR CUT-OFF AS APPROVED BY NYCT.
10. WHEN PILES ARE TO BE DRIVEN ADJACENT TO THE SUBWAY STRUCTURE, BORING DATA, FILE LAYOUTS, SPECIFICATIONS AND INSTALLATION PROCEDURES ARE TO BE SUBMITTED TO NYCT FOR APPROVAL. VELOCITY METERS ARE TO BE INSTALLED IN THE SUBWAY TUNNEL AT CRITICAL LOCATIONS TO MONITOR INDUCED VIBRATIONS. INDUCED DISPLACEMENTS ALONG THE TUNNEL STRUCTURE AND TRACK INVERT ARE TO BE MONITORED DURING DRIVING. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE AMBIENT CAUSED BY THE DRIVING WILL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL WILL BE REVIEWED AND EVALUATED BY NYCT'S ENGINEER. IN NO CASE WILL PARTICLE VELOCITIES EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND.
11. NO PILES ARE PERMITTED TO BE INSTALLED BY ANY METHOD WITHIN THREE FEET OF SUBWAY STRUCTURE, MEASURED FROM THE EDGE OF THE PILE OR CASING TO THE WALL CLOSED-END PILES WILL NOT BE PERMITTED TO BE DRIVEN WITHIN TEN FEET OF THE SUBWAY STRUCTURE.
12. ALL PILES ARE TO BE PLACED WITHIN A PREAUGERED CASING HOLE TO THE INFLUENCE LINE. THE CASING SHALL BE CLEANED WITHOUT DISTURBING THE SOIL OUTSIDE THE CASING AND THE PILE TO BE PLACED WITHIN THE CASING FOR INSTALLATION. THE PILES MAY THEN BE DRIVEN BEYOND THE INFLUENCE LINE WITHIN THE CASING.
13. THE INFLUENCE LINE SHALL START AT THE BOTTOM OF THE SUBWAY STRUCTURE AND EXTEND AT A 1:1 SLOPE. FOR PILES INSTALLED WITHIN TEN FEET OF THE SUBWAY STRUCTURE, THE CASING SHALL BE EXTENDED UP TO THE BOTTOM OF THE SUBWAY STRUCTURE.
14. AT THE COMPLETION OF PILE INSTALLATION, THE SPACE BETWEEN THE PILE AND THE CASING IS TO BE FILLED WITH EITHER CLEAN SAND OR GROUT. IF THE CASING IS TO BE REMOVED, THE FILLING MUST BE COMPLETED PRIOR TO REMOVAL OF THE CASING.
15. ALL PILES ARE TO BE DRIVEN A MINIMUM OF TEN FEET BELOW THE INTERSECTION OF THE PILE CENTER LINE AND THE INFLUENCE LINE OF THE SUBWAY STRUCTURE.
16. THE USE OF "DOWN-THE-HOLE-HAMMERS" FOR INSTALLATION OF PILES THROUGH OVERBURDEN AND FILL WILL BE PERMITTED ONLY TO REMOVE BOULDERS. IT WILL NOT BE PERMITTED AS A MATTER OF COURSE TO ADVANCE THE HOLE. THEIR USE TO CONSTRUCT ROCK SOCKETS WILL NOT BE ALLOWED WITHIN 5 FEET OF THE NYCT STRUCTURE.
17. VIBRATORY HAMMERS WILL NOT BE PERMITTED WITHIN 75 FEET OF SUBWAY STRUCTURES. HOERANS WILL NOT BE PERMITTED WITHIN 25 FEET OF SUBWAY STRUCTURES.
18. DYNAMIC COMPACTION METHODS USING DROPPED HEAVY WEIGHTS CANNOT BE CONDUCTED WITHIN 1000 FEET OF ANY NYCT STRUCTURE UNLESS IT IS SHOWN THAT INDUCED SETTLEMENTS AND VIBRATIONS WILL NOT DAMAGE THESE STRUCTURES. A SUITABLE MONITORING PLAN INCLUDING SETTLEMENT AND VIBRATION MEASUREMENTS MUST BE APPROVED BY NYCT'S ENGINEER FOR ALL SUCH OPERATIONS WITHIN THESE DISTANCES.
19. THERE SHALL BE NO MACHINE EXCAVATION WITHIN 3 FEET OF NYCT STRUCTURES, POWER DUCT LINES, OR ANY OTHER FACILITIES UNTIL THEY HAVE BEEN CAREFULLY EXPOSED BY HAND EXCAVATION.
20. ALL DEWATERING OPERATIONS CONDUCTED WITHIN 500 FEET OF THE NYCT STRUCTURE MUST BE PERFORMED IN ACCORDANCE WITH DRAWINGS AND PROCEDURES SUBMITTED TO NYCT FOR APPROVAL. THE DISTANCE FROM THE STRUCTURE TO THE DEWATERING OPERATION CAN BE REDUCED PROVIDED THAT SOIL CONDITIONS AT THE SITE INDICATE THAT THE RADIUS OF INFLUENCE OF THE DEWATERING IS LESS THAN 500 FEET. FOR DEWATERING WITHIN THE RADIUS OF INFLUENCE, THE DEWATERING PROGRAM MUST BE SHOWN TO HAVE NEGLIGIBLE INFLUENCE ON SETTLEMENTS OF THE NYCT STRUCTURE.
21. SUBWAY ENTRANCES (VENTILATORS, ETC.) ARE TO BE UNDERPINNED OR SHORED AND BRACED IF DIRECTED BY NYCT'S ENGINEER.
22. NYCT, AT ITS DISCRETION, RESERVES THE RIGHT TO REQUIRE THE PROJECT TO CLOSE OR MAINTAIN AND PROTECT EXISTING SUBWAY ENTRANCES, VENTILATORS, ETC. ADJACENT TO THE PROJECT DURING CONSTRUCTION. SUCH CONSTRUCTION MAY INCLUDE UNDERPINNING, SHORING, BRACING AND ERECTION OF SUITABLE BARRICADES AND/OR CANOPIES AND SHIELDS. SUCH PROTECTION SHALL BE IN ACCORDANCE WITH DRAWINGS SUBMITTED TO NYCT FOR APPROVAL.
23. IF SHIELDS ARE TO BE INSTALLED TO PROTECT NYCT FACILITIES AND/OR THE PUBLIC, PLANS SHOWING THE LOCATION, TYPE AND METHOD OF ATTACHMENT TO THE TRANSIT STRUCTURE MUST BE SUBMITTED TO NYCT FOR APPROVAL.
24. ALL LUMBER AND PLYWOOD USED FOR PROTECTION OF SUBWAY FACILITIES MUST BE FIRE RETARDANT.
25. SUBWAY EMERGENCY EXITS MUST BE KEPT CLEAN AT ALL TIMES.
26. IN EXCAVATING OVER OR NEAR THE SUBWAY ROOF, SPECIAL CARE SHALL BE EXERCISED SO THAT THE THIN CONCRETE PROTECTION OF THE SUBWAY WATERPROOFING IS NOT DAMAGED.
27. BURNING OF, WELDING TO OR DRILLING THROUGH EXISTING STEEL STRUCTURES WILL NOT BE PERMITTED EXCEPT AS SHOWN ON DRAWINGS APPROVED BY NYCT.
28. HORIZONTAL AND VERTICAL CONTROL SURVEY DATA OF THE EXISTING NYCT STRUCTURE IS TO BE TAKEN BY A LICENSED LAND SURVEYOR TO MONITOR ANY MOVEMENTS THAT OCCUR DURING CONSTRUCTION AND TO SHOW THAT THE INDUCED MOVEMENTS ARE WITHIN ALLOWABLES PROVIDED AND APPROVED BY NYCT'S ENGINEER. IF ANY MOVEMENTS EXCEED ALLOWABLES, REMEDIATION AS APPROVED BY NYCT SHALL BE PERFORMED.
29. BUS ROUTES AFFECTED BY THE PROJECT WILL OR MAY REQUIRE BUS DIVERSIONS. THESE ARRANGEMENTS SHALL BE MADE THROUGH:
 

MR. KARL STRICKER  
 GENERAL SUPERINTENDENT, SPECIAL OPERATIONS  
 NEW YORK CITY TRANSIT  
 2 BROADWAY, ROOM B17.123  
 NEW YORK, NEW YORK 10004  
 TELEPHONE NUMBER (646) 252-5526
30. DUCT LINES MUST BE MAINTAINED AND PROTECTED DURING CONSTRUCTION. ANY INTERFERENCE WITH DUCT LINES SHOULD BE REPORTED TO NYCT INSPECTOR. WHEN A DUCT LINE CONTAINING CABLES IS TO BE REMOVED, OR WHEN MASONRY ADJACENT THERETO IS TO BE REMOVED, PENETRATED, OR DRILLED, THE WORK SHALL BE DONE WITH HAND LABOR ENTIRELY, USING HAMMER AND CHISEL, JACKHAMMERS, BULL POINTS OR OTHER POWER EQUIPMENT SHALL NOT BE USED.
31. WHERE MANHOLES ARE ENCOUNTERED:
  - a) THEY SHALL BE PROTECTED AND RAISED OR LOWERED AS REQUIRED, TO MATCH THE NEW STREET GRADE.
  - b) IF MANHOLE COVERS ARE RAISED OR LOWERED, PROTECT CABLES IN MANHOLE BY WOOD SHEETING OF 2" NOMINAL THICKNESS.
  - c) PRIOR TO THE START OF CONSTRUCTION OPERATIONS AFFECTING MANHOLES AND DUCT LINES, SEVEN DAYS NOTICE MUST BE GIVEN TO MR. J. MALVASIO, P.E. MANAGER, DEPARTMENT OF MAINTENANCE OF WAY, AT (718) 694-1358.
32. CONSTRUCTION WORK DONE NEAR VENT GRATINGS AND HATCHES SHALL BE AS FOLLOWS:
  - a) UNLESS APPROVED BY NYCT'S ENGINEER, ALL VENT GRATINGS AND HATCHES SHOULD REMAIN OUTSIDE THE CONSTRUCTION SITE, SEPARATED BY A CONSTRUCTION FENCE. PROTECTIVE SHIELDS MUST BE PROVIDED OVER VENT GRATINGS AS REQUIRED BY NYCT'S ENGINEER.
  - b) NO BUILDING MATERIAL, VEHICLES OR CONSTRUCTION EQUIPMENT IS TO BE STORED OR RUN OVER VENT, GRATINGS, HATCHES OR EMERGENCY EXITS.
  - c) DETAILS OF SIDEWALK RECONSTRUCTION AROUND VENT GRATINGS, HATCHES AND EMERGENCY EXITS ARE TO BE SUBMITTED TO THE NYCT FOR APPROVAL.
33. TRACTORS, CRANES, EXCAVATORS, ETC., USED IN THE VICINITY OF THE ELEVATED STRUCTURES SHALL BE ISOLATED FROM THE GROUND. SINCE THE ELEVATED STRUCTURE IS USED AS A NEGATIVE RETURN PATH, WITH A CONSEQUENT POTENTIAL BETWEEN IT AND THE GROUND, ANY CONTACT BETWEEN THE STRUCTURE AND GROUNDED EQUIPMENT COULD RESULT IN BURNING OF THE STEEL.
34. TEMPORARY CONSTRUCTION SHEDS, BARRICADES OR PLYWOOD PARTITIONS MUST BE A MINIMUM OF 5'-0" FROM EDGE OF FINISHED PLATFORM.
35. STAIRWAY/ENTRANCE CLOSINGS: THE GENERAL REQUIREMENTS FOR STAIRWAY/ENTRANCE CLOSINGS ARE AS FOLLOWS:
  - a) ONLY ONE STAIRWAY AT EACH STATION WILL BE PERMITTED TO BE CLOSED AT THE SAME TIME. APPROVALS FOR CLOSING ANY STAIRWAY MUST BE OBTAINED FROM THE DIVISION OF STATION OPERATIONS AT LEAST THREE WEEKS IN ADVANCE.
  - b) MR. ASHOK PATEL, DIRECTOR, OFFICE OF STATION PROGRAMS; TELEPHONE (718) 694-1695 OF THE DIVISION OF STATIONS MUST BE NOTIFIED ONE WEEK PRIOR TO THE ACTUAL CLOSING AND REOPENING OF THE ENTRANCE.
  - c) AMPLE SIGNAGE MUST BE SUPPLIED AND POSTED AT LEAST ONE WEEK IN ADVANCE, ADVISING THE PUBLIC OF THE PROPOSED SUBWAY STAIR CLOSING.
  - d) THE STREET ENTRANCE STAIRWAY SHOULD NOT BE CLOSED UNLESS MANPOWER AND MATERIALS ARE AVAILABLE TO COMMENCE WORK ON DATES PERMITTED.
36. IF NEW CONCRETE CONSTRUCTION IS JOINED TO EXISTING CONCRETE, DOWELS AND KEYWAYS ARE TO BE USED IN ACCORDANCE WITH NYCT STANDARDS.
37. IF THE PROJECT INVOLVES CONSTRUCTION OR ALTERATION OF A SUBWAY FACILITY ON PRIVATE PROPERTY, THE PROPERTY OWNERS WILL BE REQUIRED TO ENTER INTO AN AGREEMENT WITH NYCT PERTAINING TO ALL WORK AFFECTING THE TRANSIT FACILITIES AND CLEARLY DEFINING LIMITS AND RESPONSIBILITY FOR MAINTENANCE AND LIABILITY.
38. WHEREVER A NEW SIDEWALK IS BEING PLACED ADJACENT TO NYCT STRUCTURES THE FOLLOWING WILL BE REQUIRED:
  - a) THE TOP OF THE NEW SIDEWALK WILL BE FLUSH WITH THE SUBWAY VENT GRATINGS, HATCHES AND EMERGENCY EXITS.
  - b) THE SLOPE OF THE NEW SIDEWALK SHALL BE SUCH THAT THE DRAINAGE BE AWAY FROM THESE STRUCTURES.
  - c) A 1/2" PREMOLDED FILLER SHALL BE INSTALLED BETWEEN THE NEW SIDEWALK AND NYCT STRUCTURE.
  - d) WHERE SIDEWALK ELEVATIONS ARE BEING CHANGED DETAILS OF PROPOSED WORK AROUND NYCT STRUCTURES ARE TO BE SUBMITTED FOR APPROVAL.
39. BEFORE THE START OF ANY WORK, THE CONTRACTOR SHALL MAKE AN EXAMINATION, IN THE PRESENCE OF NYCT'S ENGINEER, OF THE INTERIOR AND EXTERIOR OF NYCT SUBWAY OR OTHER STRUCTURE ADJACENT TO THE PROPOSED WORK. THE PERSON OR PERSONS AUTHORIZED BY THE CONTRACTOR TO MAKE THESE EXAMINATIONS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL PHOTOGRAPHS AS MAY BE NECESSARY OR ORDERED TO INDICATE THE EXISTING CONDITION OF NYCT STRUCTURE. ONE COPY OF EACH PHOTOGRAPH, EIGHT INCHES BY TEN INCHES IN SIZE, AND THE NEGATIVE IS TO BE SUBMITTED TO MR. J. MALVASIO, P.E., MANAGER, DEPARTMENT OF MAINTENANCE OF WAY, 130 LIVINGSTON STREET, 8TH FLOOR, BROOKLYN, NEW YORK 11201, TELEPHONE (718) 694-1358 BEFORE THE START OF CONSTRUCTION.
40. ALL ARCHITECTURAL DETAILS (SERVICE BOOTHS, RAILINGS, DOORS, ETC.) ARE TO CONFORM TO THE LATEST NYCT STANDARDS. THESE STANDARDS ARE AVAILABLE AT NYCT.
41. STANDARD NYCT INSURANCE CLAUSES ARE TO BE MADE PART OF THE PROJECT'S CONTRACT DRAWINGS. PROOF THAT THE NECESSARY INSURANCE IS IN EFFECT WILL BE REQUIRED BEFORE WORK CAN COMMENCE.
42. AT THE CLOSE OF ANY PROJECT INVOLVING CONSTRUCTION OR ALTERATIONS TO TRANSIT FACILITIES, ONE SET OF VELLUMS OR MYLARS, FIVE SETS OF 35MM MICROFILM AND ELECTRONIC COPIES COMPLYING TO MICROSTATION/DGN FORMAT OF "APPROVED AS BUILTS" MUST BE PROVIDED TO NYCT FOR ITS RECORDS. FOR DETAILS OF SPECIFIC REQUIREMENTS CONTACT NYCT OUTSIDE PROJECTS.
43. AT LEAST SEVEN DAYS PRIOR TO THE START OF CONSTRUCTION OPERATIONS, NOTIFICATION MUST BE GIVEN TO MR. J. MALVASIO, P.E., MANAGER, DEPARTMENT OF MAINTENANCE OF WAY, AT (718) 694-1358. THE CONTRACTOR TO PROVIDE TEMPORARY QUARTERS NEAR THE JOB SITE FOR NYCT INSPECTORS CONTAINING A DESK AND TELEPHONE.
44. ONCE THE CLOSING IS EFFECTED, CONSTRUCTION SIGNS MUST BE PLACED AT APPROPRIATE LOCATIONS ON THE BARRICADES AT THE STREET AND MEZZANINE LEVELS, STATING THE CONTRACTOR'S NAME, 24 HOUR EMERGENCY TELEPHONE NUMBER, CONTRACT NUMBER, THE DURATION OF CLOSING, DIRECTION TO AN ALTERNATE ENTRANCE/EXIT AND AN APOLOGY FOR THE INCONVENIENCE TO OUR CUSTOMERS.
45. EXISTING STATION SIGNAGE MUST BE ADJUSTED TO REFLECT ANY CHANGES IN ACCESS/EGRESS.
46. BARRICADES ARE TO BE PAINTED AND KEPT GRAFFITI FREE AT ALL TIMES. THE CONTRACTOR MUST MAINTAIN THE BARRICADED AREA CLEAN OF ALL DEBRIS.
47. ALL MATERIALS ARE TO BE PROPERLY STORED AND SECURED AWAY FROM PASSENGER TRAFFIC.
48. THE CONTRACTOR MUST REMOVE ALL WASTE MATERIAL AND BARRICADES FROM ALL STATION AREAS WHEN CONSTRUCTION IS COMPLETED.
49. INSPECTION OF THE AREA UNDER CONSTRUCTION BY AUTHORIZED STATION DEPARTMENT EMPLOYEES SHALL NOT BE INHIBITED.
50. IF STREET LIGHTS ON THE SIDEWALKS ARE AFFECTED, TEMPORARY LIGHTS SHALL BE PROVIDED.



REVISION	DESCRIPTION	DATE	APPROVED
<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER/ARCHITECT. THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND DATE OF ALTERATION.</p>			
<p>30 WEST 24th STREET        NEW YORK, NY 10011        212-368-5600</p>		<p><b>TOYOKO INN SUBWAY IMPROVEMENTS</b>        ROUTE 50        NEW STAIRS AT 45TH ROAD -        COURT HOUSE SQUARE STATION, FLUSHING LINE        BOROUGH OF QUEENS</p>	
<p><b>TRANSIT AUTHORITY GENERAL NOTES</b></p>			
<p>DRAWN BY</p>	<p>COORDINATED BY</p>	<p>DATE</p> <p>4/20/2009</p>	
<p>DESIGNED BY</p>	<p>RECOMMENDED BY</p>	<p>DRAWING NO.</p> <p>G-001</p>	
<p>CHECKED BY</p>	<p>APPROVED BY</p>		<p>REVISION</p>

# LIST OF ABBREVIATIONS

ADDITIONAL ABBREVIATIONS ARE INCLUDED IN DRAWINGS FOR EACH DISCIPLINE

A/C	AIR CONDITIONING	ECS	EMPIRE CITY SUBWAY	LP.	LOW POINT	S	SOUTH
AC	ALTERNATING CURRENT	EDR	ELECTRICAL DISTRIBUTION ROOM	LT	LIGHT, LEUTENANT	SA	SPEAKER
ACOUS	ACOUSTICAL	EHC1	ELECTRICAL HEAVY CAST IRON	MANT	MAINTENANCE	SCH	SANITARY SEWER
ACT	ACOUSTICAL TILE	EL	ELEVATION	MACH	MACHINE	SCH	SCHEDULE
AD	AREA DRAWING	ELECT	ELECTRICAL	MAN	MANUAL	SECT	SECTION
ADA	AMERICANS WITH DISABILITIES ACT	ELEV	ELEVATOR	MANUF	MANUFACTURER, MANUFACTURED	SF	SQUARE FOOT, SQUARE FEET
A.E.S.S.	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	EMR	ELEVATOR MACHINE ROOM	MAS	MASONRY	SGFT	STRUCTURAL GLAZED FACING TILE
AFAS	ADA FARECARD ACCESS SYSTEM	EPDM	ETHYLENE PROPYLENE DIENE MONOMER	MATL	MATERIAL	SGT	SERGEANT
AFC	AUTOMATED FARE CONTROL	EQ	EQUAL	MAX	MAXIMUM	SHT	SHEET
AFT	ABOVE FINISH FLOOR (LEVEL)	EQUIP	EQUIPMENT	MCC	MOTOR CONTROL CENTER	SN	SNAIL
AMA	AMERICAN INSTITUTE OF ARCHITECTS	ESC.	ESCALATOR	MECH	MECHANICAL	SK	SKETCH
ASC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	ETC	EXISTING TOP OF CURB	MEMB	MEMBRANE	SPEC	SPECIFICATION, SPECIFIED
ALTR	ALTERNATE	EWIC	ELECTRIC WATER COOLER	MEZZ	MEZZANINE	SP CTG	SPECIAL COATING
ALUM	ALUMINUM	EWH	EXHAUST	MGR	MECHANICAL EQUIPMENT ROOM	SQ	SQUARE
AM	AMBIENT	EXIST.	EXISTING	MGR	MANAGER	SR	SENIOR
AMP	AMPERE	EXP	EXPANSION, EXPANDED, EXPOSED	MH	MANHOLE	ST	STREET, STREAM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	EXT	EXTERIOR	MM	MILLIMETER	STA	STATION
AOG	AGENT OPERATED GATE	F	FAHRENHEIT	MM	MILIMUM	SS	STAINLESS STEEL
AP	ACCESS PANEL OR APARTMENT PANEL	F/A	FRESH AIR	MISC	MISCELLANEOUS	STC	SOUND TRANSMISSION CLASS
APPD	APPROVED	FA	FIRE ALARM	MNTG	MOUNTING	STD	STANDARD
APPROX	APPROXIMATE	FIBGL	FIBERGLASS	NO	MASONRY OPENING	STL	STEEL
ARCH	ARCHITECTURE, ARCHITECTURAL	FD	FLOOR DRAIN	NTD	MOUNTED	ST	STORM SEWER
ASSY	ASSEMBLY	FDPJ	FIRE DEPT. PHONE JACK	MTL	METAL	STOR	STORAGE
ASPH	ASPHALT	FOUND	FOUNDATION	N	NORTH	STR	STAIR
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	FE	FIRE EXTINGUISHER, FREIGHT ELEVATOR	NAT	NATURAL	STRUCT.	STRUCTURE, STRUCTURAL
AVE	AVENUE	FE CAB	FIRE EXTINGUISHER CABINET	NEG	NEGATIVE	SUP	SUPPLY
B	AVERAGE	FF	FINISH FLOOR	NIC	NOT IN CONTRACT	SUPT	SUPERINTENDENT
B.	BOARD	FFL	FINISH FLOOR LINE	NO	NUMBER	SUSP	SUSPENDED, SUSPENSION
B.	BALLAST	FACP	FIRE ALARM CONTROL PANEL	NOM	NOMINAL	SYM	SYMMETRICAL
BET	BETWEEN	FHS	FIRE HOSE STATION	NRFB	NON REGISTERING FARE BOX	SYN	SYNTHETIC
BLDG	BUILDING	FIG	FIGURE	NWP	NETWORK PROTECTOR	SURF.	SURFACE
BIT	BITUMINOUS, BITUMEN	FIN	FINISH, FINISHED	NTS	NOT TO SCALE	SYS	SYSTEM
BL	BLANK	FLR	FLOOR	NYCT	NEW YORK CITY TRANSIT	T	TREAD
BLK	BLOCK	FLG	FLOORING	O.C.	ON CENTER(S)	T&G	TONGUE AND GROOVE
BLKG	BLOCKING	FLUOR	FLUORESCENT	OD	OUTSIDE DIAMETER	TAN	TANGENT
BM	BEAM	F.O.	FACE OF	OFF	OFFICE	T.B.V.	TO BE VERIFIED
BO	BOTTOM OF	FPSC	FIRE PROOF SELF CLOSING	OH	OVERHEAD	TB	TALK BACK INTERCOM
BOF	BOTTOM OF FOOTING	FRTP	FIRE RETARDANT TREATED PLYWOOD	OPNG	OPENING	TECH	TECHNICAL
BOT	BOTTOM	FT	FEET, FOOT	OPP.	OPPOSITE	TEL	TELEPHONE
C. OF D	CERTIFICATE OF OCCUPANCY	FTG	FOOTING	PA	PUBLIC ADDRESS	TEMP.	TEMPORARY
CAB	CABINET	FS	FEDERAL SPECIFICATION	PAR	PARALLEL	TER	TERRAZZO
CAP	CAPACITY	G	GAS	PE	PASSENGER ELEVATOR	TFV	TRANSFORMER VAULT
CB	CATCH BASIN, CEMENT BOARD	CA	GAUGE	PERF	PERFORATED	THK	THICK
CCTV	CLOSE CIRCUIT TELEVISION	CAL	GALLON	PERM	PERMANENT	T.O.	TOP OF
CD	CASTER DECK	GALV	GALVANIZED	PERP	PERPENDICULAR	T.O.G.	TOP OF GRATING
CEM	CEMENT	GB	GLAZED BRICK	PIC	PASSENGER INFORMATION CENTER	TOS	TOP OF SLAB
CER	CERAMIC	GC	GENERAL CONTRACTOR	PL	PROPERTY LINE, PLATE	TOT	TOTAL
CFM	CUBIC FEET PER MINUTE	GFI	GROUND FAULT INTERRUPTER OUTLET	PLAM	PLASTIC LAMINATE	TRAV	TRAVEL
CI	CAST IRON	GL	GLASS, GLAZING	PLAT	PLATFORM	TT	TERRAZZO TILE
CC	CUSTOMER INFORMATION CENTER	GOVT	GOVERNMENT	PLAS	PLASTIC	TV	TELEVISION
CP	CAST IRON PIPE	GPM	GALLONS PER MINUTE	POL	POLISHED	TYP	TYPICAL
CJ	CONSTRUCTION JOINT	GR	GRADE	PM	POST MERIDIAN	UL	UNDERWRITERS LABORATORIES INC
CL	CLOSET, CENTER LINE	GWB	GYPSUM (WALL) BOARD	PREFAB	PREFABRICATED	UN	UNLESS OTHERWISE NOTED
CLG	CEILING	GRTG	GRATING	PROJ	PROJECT	UR	URINAL
CLL	CONTRACT LIMIT LINE	GYP	GYPSUM	PSF	POUNDS PER SQUARE FOOT	V	VALVE, VOLT
CLR	CLEAR OR CLEARANCE	HB	HOSE BIB	PSI	POUNDS PER SQUARE INCH	VAC	VACUUM
CM	CONSTRUCTION MANAGER	HC	HOLLOW CORE, HORIZ. CLEARANCE(SURVEY)	PT	POINT	VC	VERTICAL CLEARANCE (SURVEY)
CMU	CONCRETE MASONRY UNIT	DW	HARDWARE	PTD.	PAINT, PAINTED	VCT	VINYL COMPOSITION TILE
CO	CLEAN OUT	HEX	HEXAGON	PTN	PARTITION	VCP	VITRIFIED CLAY PIPE
COL	COLUMN	H.M.	HOLLOW METAL	PU	POWER UNIT	VEH	VEHICLE
COMM.	COMMUNICATION	HORIZ	HORIZONTAL	PVC	POLYVINYL CHLORIDE	VENT	VENTILATE, VENTILATION
COMP	COMPARTMENT	H.P.	HIGH POINT	PWR	POWER	VERT	VERTICAL
CONC.	CONCRETE	HT	HEIGHT	QCS	QUEENS COORDINATE SYSTEM	VEST	VESTIBULE
COND	CONDUIT	HR	HOUR	QT	QUARRY TILE	V.J.F.	VERIFY IN FIELD
CON ED	CONSOLIDATED EDISON	HTG	HEATING	R	RADIUS, RISER	VT	VITREOUS
CONT.	CONTINUOUS OR CONTINUE(D)	HVAC	HEATING, VENTILATING, AIR CONDITIONING HOSE	R/A	RETURN AIR	VLT	VAULT
CONV	CONVEYOR	HVC	VALVE CABINET	RAD	RADIUS, RADIATOR	VNL	VINYL
CORR	CORRIDOR	HW	HOT WATER	RC	REINFORCED CONCRETE	VOL	VOLUME
CT	CERAMIC TILE	HWH	HOT WATER HEATER	RCP	REINFORCED CONCRETE PIPE, REFLECTED CEILING PLAN	VS	VERSUS
CTR	CENTER	ID	INSIDE DIAMETER	RD	ROOF DRAIN	VT	VENT DRAIN
CU YD	CUBIC YARD(S)	IE	THAT IS	REC'D	RECEIVED	VWC	VINYL WALL COVERING
CU FT	CUBIC FEET	IN	INCH	REF	REFERENCE	W	WEST, WIDTH, WIDE, WATT
CW	COLD WATER, CHILL WATER	INS	INSULATED, INSULATION	REG	REGISTER	W/	WITHOUT
DEC	DEGREE	INT	INTERIOR	REIN	REINFORCING	W/D	WATER CLOSET
DEPT	DEPARTMENT	INV	INVERT	REQ'D	REQUIRED	WC	WOOD
DET	DETAIL	IPS	IRON PIPE SIZE	RES	RESILIENT	WH	WATER HEATER, WALL HYDRANT
DIA	DIAMETER	J BOX	JUNCTION BOX	RET	RETURN	WI	WROUGHT IRON
DIAG	DIAGONAL, DIAGRAM	JC	JANITOR'S CLOSET	REV	REVISED, REVISION	WK	WEEK
DM	DIMENSION	JT	JOINT	RH	RIGHT HAND	WP	WATERPROOF, WATERPROOFING
DF	DRINKING FOUNTAIN	KD	KNOCK DOWN	R/L	ROOM	WRHS	WAREHOUSE
DIST	DISTANCE	KIT	KITCHEN	R.O.	ROUGH OPENING	WT	WEIGHT
DIV	DIVISION	KITC	KITCHENETTE	RTM	RESILIENT TERRAZZO TILE	WV	WELDED WIRE FABRIC
DN	DOWN	KVA	KILO VOLT AMPERE			WM	WELDED WIRE MESH
DOC	DOCUMENT	LAM	LAMINATE			YD	YARD
DR	DOOR	LB	POUND			YR	YEAR
DWG	DRAWING	LH	LEFT HAND				
E	EMERGENCY	LIC	LICENSE(D)				
EA	EACH	LN	LINEAR				

## SYMBOLS (NTS)

### DRAWING SYMBOLS

	PARTITION TYPE	
	DETAIL NUMBER	
	DRAWING NUMBER	DETAIL DWG TITLE SYMBOL
	SECTION NUMBER	SECTION SYMBOL
	ELEVATION NUMBER	EXTERIOR ELEVATION SYMBOL
	ELEVATION NUMBER	INTERIOR ELEVATION SYMBOL
	DETAIL NUMBERS	DETAIL
	ELEVATION MARK AT TOP OF SLAB UNLESS OTHERWISE NOTED	
	ROOM NAME	
	ROOM NUMBER	
	STEEL COLUMN	

### EQUIP SYMBOLS

	LT COMPT FOR B OR S
	VENT DRAIN
	FLOOR DRAIN
	FIRE DEPT PHONE JACK
	DUPLEX OUTLET
	DUPLEX RFT OUTLET
	SMOKE DETECTOR
	FLOOR CLEAN OUT
	SUPPLY AIR DIFFUSER
	RETURN AIR REGISTER
	CCTV

### AFC EQUIPMENT ABBREVIATIONS

MEM	METROCARD EXPRESS MACHINE
HEET	HIGH ENTRANCE/EXIT TURNSTILE
MMV	METROCARD VENDING MACHINE
MCR	METROCARD READER
HXT	HIGH EXIT TURNSTILE

### ELEVATOR/ESCALATOR EQUIPMENT ABBREVIATIONS

DB	DISTRIBUTION BOARD
F	FEATHER
J	MAINLINE DISCONNECT SWITCH
K	FIRE ALARM CAB TIE-IN
L	ELECTRICAL LIGHTING PANEL
N	VENT OPENING
MTS	MAIN TRANSFER SWITCH
P	SOUND POWERED TELEPHONE CABINET
R	LIGHT SWITCH
S	FIRE EXTINGUISHER
T	FEATURE PHONE
U	STORAGE CABINET
V	DIGITAL CLOCK
W	SOUND POWERED TELEPHONE JACK

### MATERIALS SYMBOLS

	GRANITE (ELEVATION)
	GRANITE (SECTION)
	CONCRETE MASONRY UNIT (SECTION)
	CONCRETE (SECTION)
	STONE (SECTION)

### REFLECTED CEILING SYMBOLS

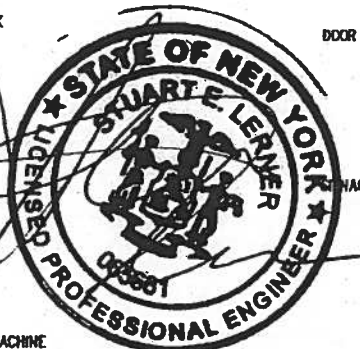
	SPEAKER, EMERGENCY FIXTURE, BALLAST OR BLANK BOX
	FLUORESCENT LIGHTING FIXTURE (ARROW INDICATES OPEN SIDE OF REFLECTOR FOR WALL WASH FIXTURES)
	DEMOTES LIGHTING FIXTURE ON EMERGENCY CIRCUIT
	REFER TO DRAWING L-002 FOR EXPLANATION OF FIXTURE DESIGNATIONS
	REFER TO DRAWING L-002 FOR EXPLANATION OF DESIGNATIONS FOR SPEAKERS, EMERGENCY FIXTURES, BALLASTS OR BLANK BOXES

### LINE TYPE LEGEND

	DEMO
	EXIST. TO REMAIN
	LOT LINE
	ABOVE OR BELOW

### DOOR SYMBOLS

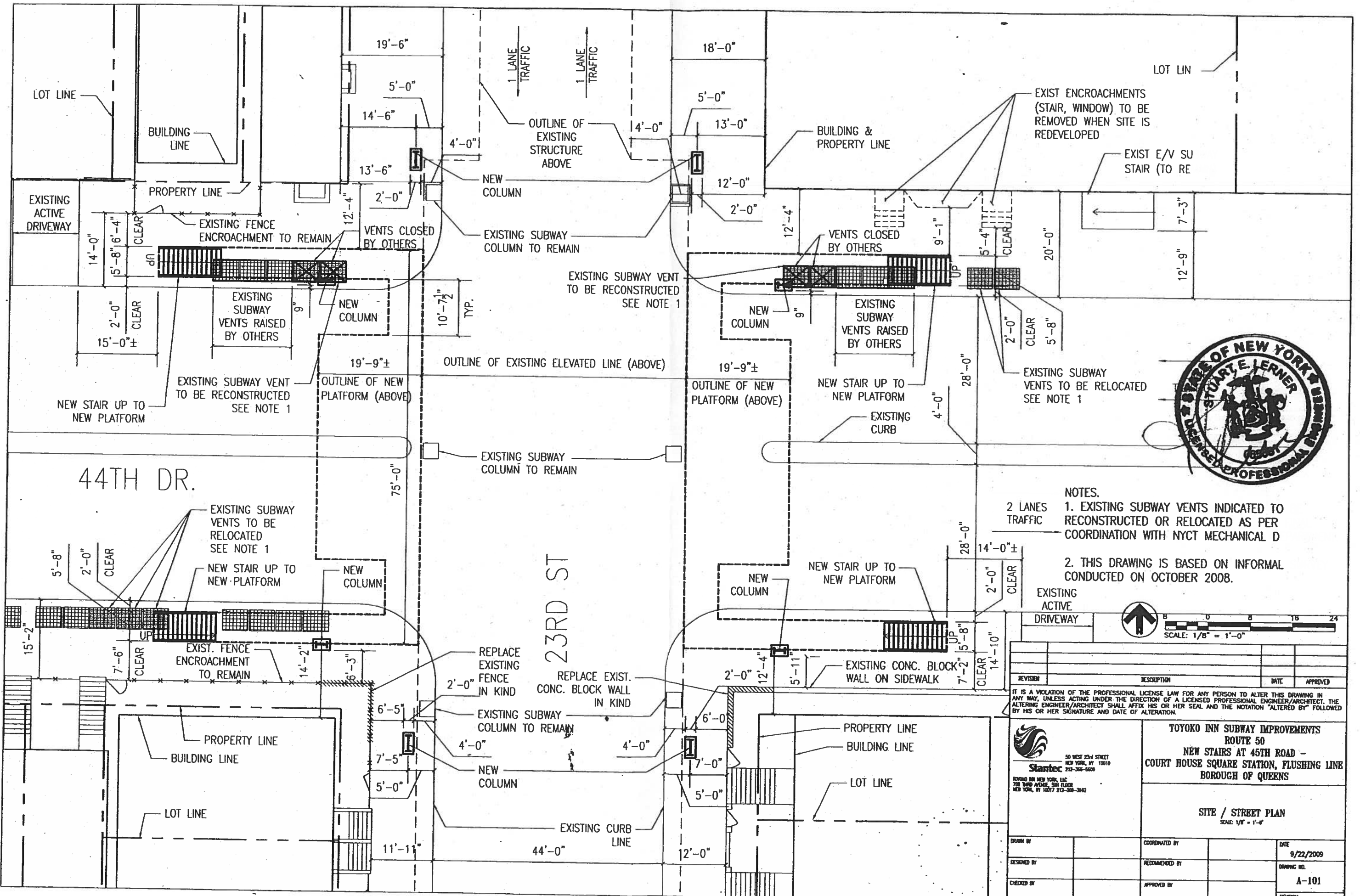
	DOOR
	DOOR TAG
	WALL OR PARTITION
	SIGN NUMBER



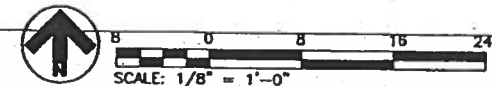
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30 WEST 23RD STREET NEW YORK, NY 10011 212-368-3820		<b>TOYOKO INN SUBWAY IMPROVEMENTS</b> ROUTE 50 NEW STAIRS AT 45TH ROAD - COURT HOUSE SQUARE STATION, FLUSHING LINE BOROUGH OF QUEENS	
<b>ARCHITECTURAL ABBREVIATIONS &amp; SYMBOLS</b>			
DRAWN BY	COORDINATED BY	DATE 4/20/2009	
DESIGNED BY	RECOMMENDED BY	DRAWING NO. A-001	
CHECKED BY	APPROVED BY	REVISION	

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 DATE/TIME = Apr 20, 2009 - 1:53pm  
 Plotting Scale: 1:1

FILE NAME = U:\193210216\shared\drawing\plot sheets\arh\0-101.dwg  
 DATE/TIME = Sep 23, 2009 - 5:24pm  
 Plotting Scale: 1"=1'



**NOTES.**  
 1. EXISTING SUBWAY VENTS INDICATED TO RECONSTRUCTED OR RELOCATED AS PER COORDINATION WITH NYCT MECHANICAL D  
 2. THIS DRAWING IS BASED ON INFORMAL CONDUCTED ON OCTOBER 2008.



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50 WEST 23rd STREET  
 NEW YORK, NY 10010  
 212-352-5200

TOYOKO INN NEW YORK, LLC  
 701 THIRD AVENUE, 20th FLOOR  
 NEW YORK, NY 10017 212-208-3942

**TOYOKO INN SUBWAY IMPROVEMENTS**  
 ROUTE 50  
 NEW STAIRS AT 45TH ROAD -  
 COURT HOUSE SQUARE STATION, FLUSHING LINE  
 BOROUGH OF QUEENS

**SITE / STREET PLAN**  
 SCALE: 1/8" = 1'-0"

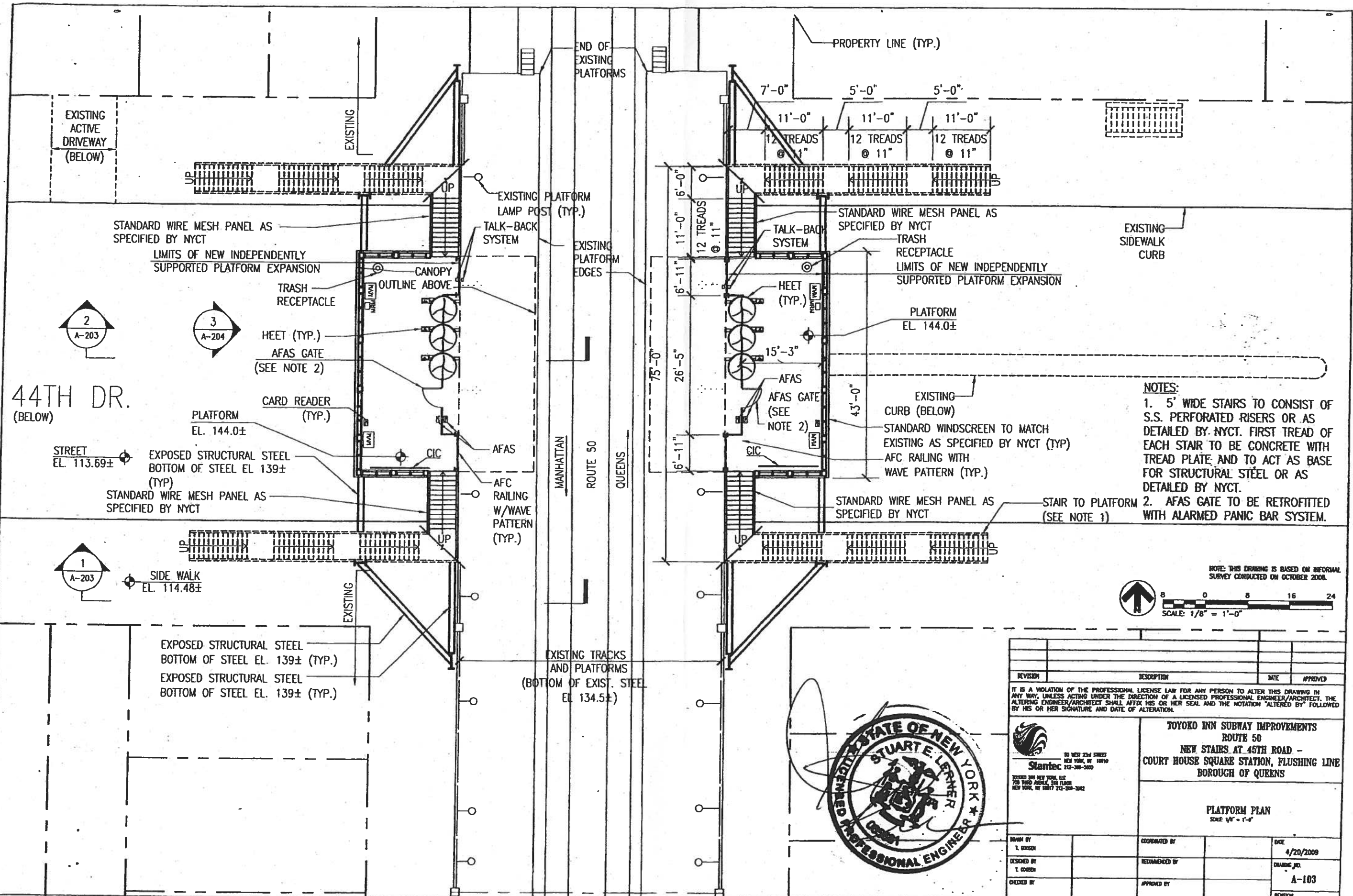
DATE  
9/22/2009

DRAWING NO.  
A-101

REVISION

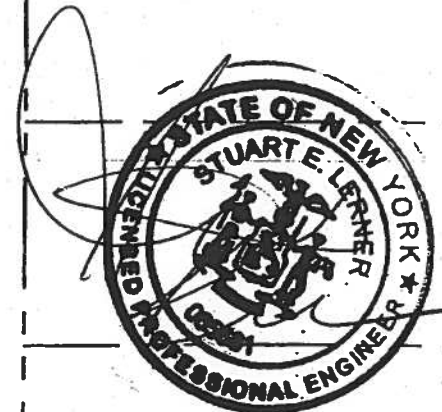
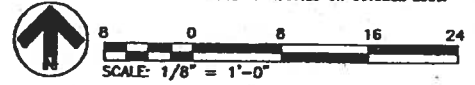
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CHECKED BY	APPROVED BY	REVISION	

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- NOTES:**
- 5' WIDE STAIRS TO CONSIST OF S.S. PERFORATED RISERS OR AS DETAILED BY NYCT. FIRST TREAD OF EACH STAIR TO BE CONCRETE WITH TREAD PLATE AND TO ACT AS BASE FOR STRUCTURAL STEEL OR AS DETAILED BY NYCT.
  - AFAS GATE TO BE RETROFITTED WITH ALARMED PANIC BAR SYSTEM.

NOTE: THIS DRAWING IS BASED ON INFORMAL SURVEY CONDUCTED ON OCTOBER 2008.

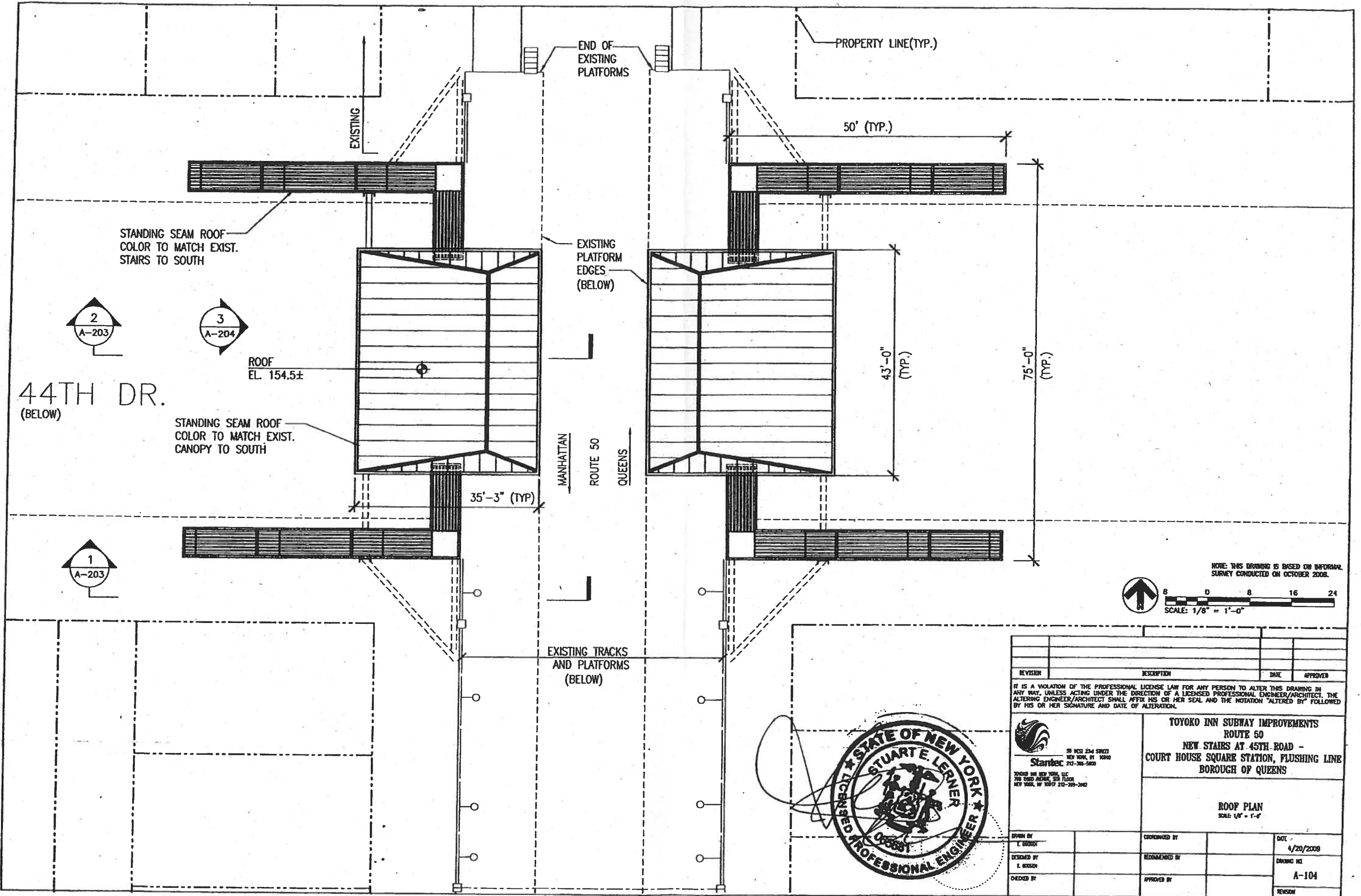


REVISION	DESCRIPTION	DATE	APPROVED

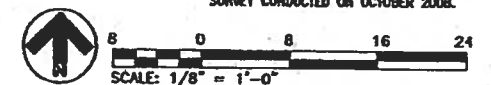
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		<b>TOYOKO INN SUBWAY IMPROVEMENTS</b> <b>ROUTE 50</b> <b>NEW STAIRS AT 45TH ROAD -</b> <b>COURT HOUSE SQUARE STATION, FLUSHING LINE</b> <b>BOROUGH OF QUEENS</b>	
<b>PLATFORM PLAN</b> SCALE 1/8" = 1'-0"		DATE 4/20/2009	
DRAWN BY T. GORDON	COORDINATED BY	CHECKED BY T. GORDON	APPROVED BY A-103
REVISION		REVISION	

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 Plotting Scale: 1=1




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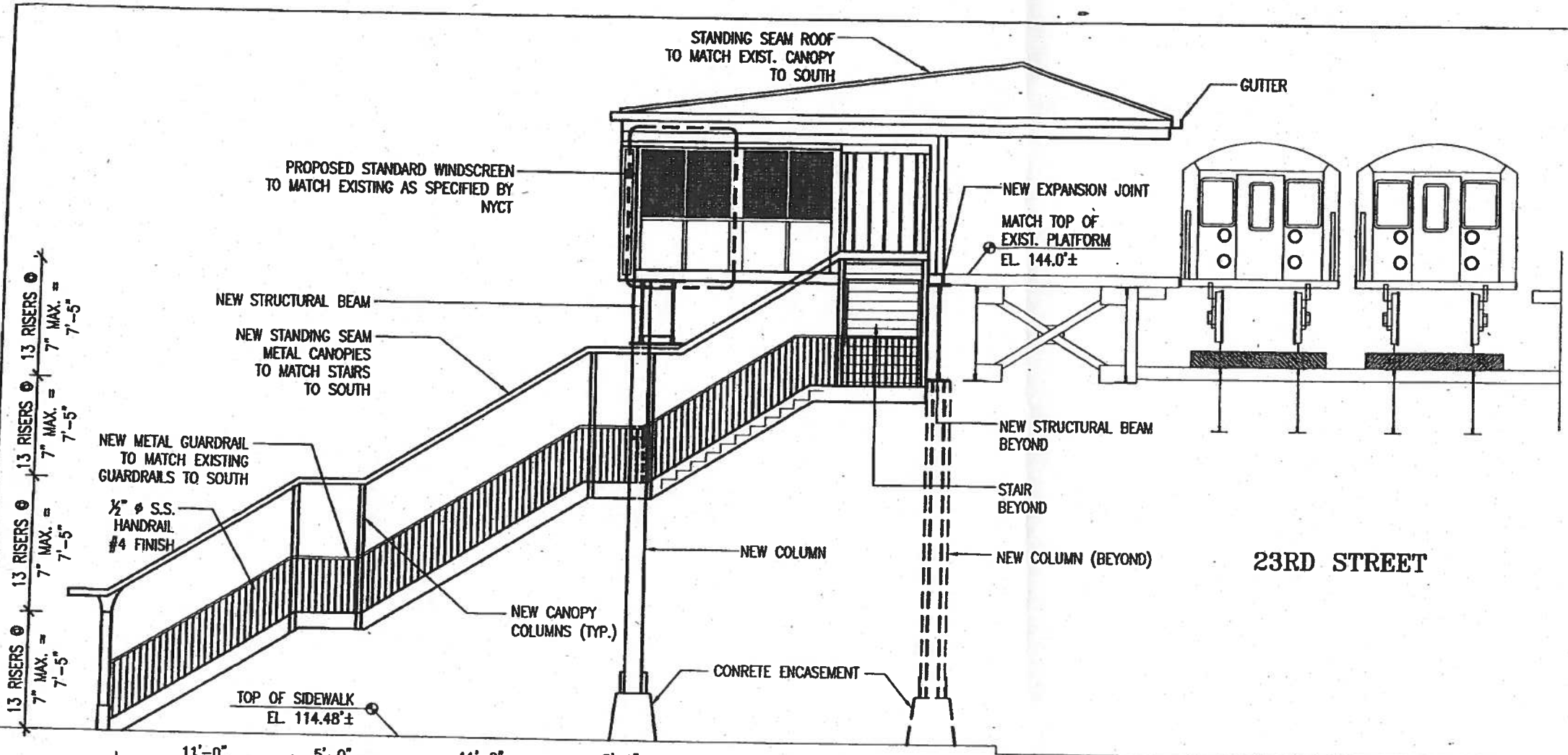


REVISION	DESCRIPTION	DATE	APPROVED

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 30 WEST 23RD STREET NEW YORK, NY 10011 212-269-2420		<b>TOYOKO INN SUBWAY IMPROVEMENTS</b> <b>ROUTE 50</b> <b>NEW STAIRS AT 45TH ROAD -</b> <b>COURT HOUSE SQUARE STATION, FLUSHING LINE</b> <b>BOROUGH OF QUEENS</b>	
TOYOKO INN NEW YORK, LLC 700 THIRD AVENUE, 508 FLOOR NEW YORK, NY 10017 212-269-3342		<b>ROOF PLAN</b> SCALE 1/8" = 1'-0"	
DRAWN BY L. BOGOSH	CHECKED BY L. BOGOSH	COORDINATED BY L. BOGOSH	DATE 4/20/2009 DRAWING NO. A-104 REVISION

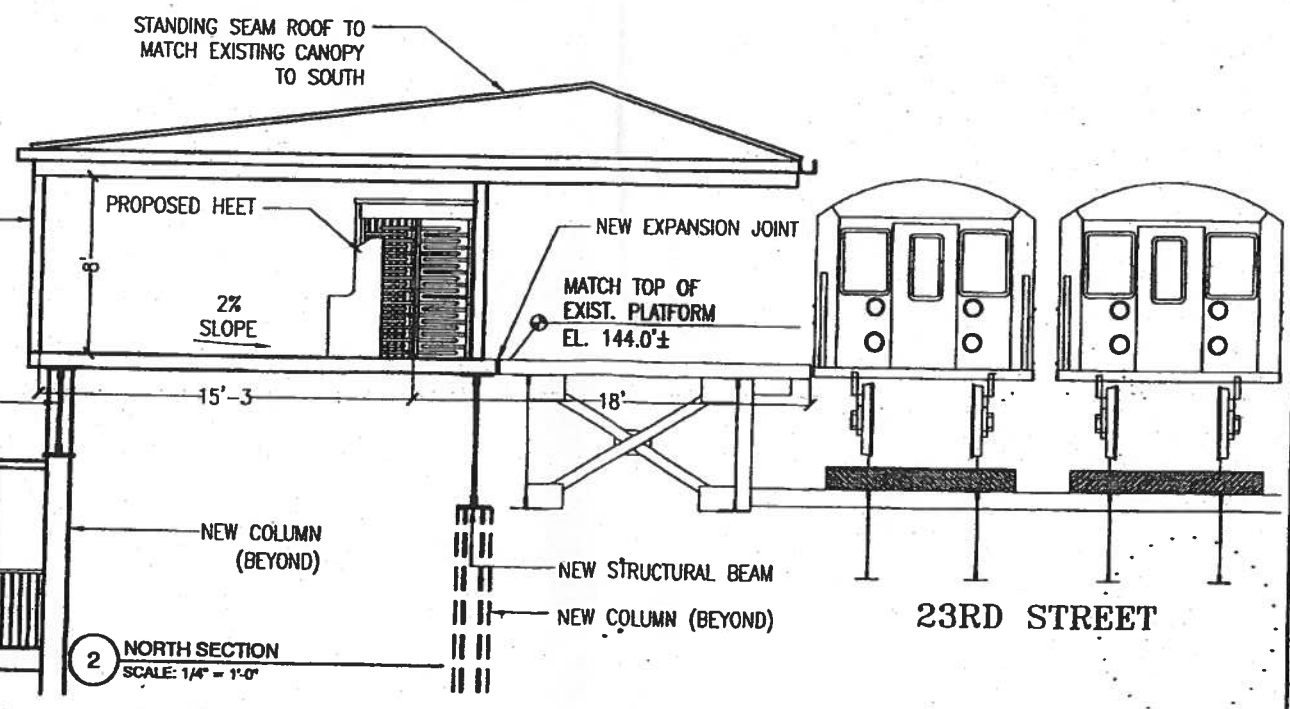
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13 RISERS @ 7" MAX. = 7'-5"  
 13 RISERS @ 7" MAX. = 7'-5"  
 13 RISERS @ 7" MAX. = 7'-5"

11'-0" 5'-0" 11'-0" 5'-0" 11'-0" 7'-0"  
 12 TREADS @ 11" LANDING 12 TREADS @ 11" LANDING 12 TREADS @ 11" LANDING

1 NORTH ELEVATION  
 SCALE: 1/4" = 1'-0"



PROPOSED MEZZANINE FACADE TO MATCH EXISTING

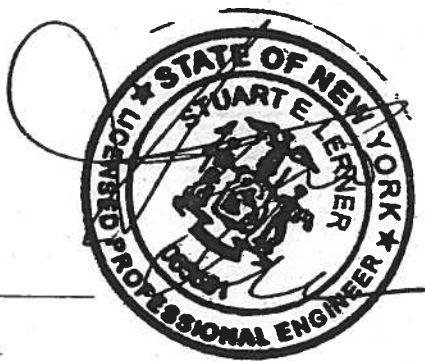
NEW STRUCTURAL BEAM

PROPOSED STAIR (BEYOND)

2 NORTH SECTION  
 SCALE: 1/4" = 1'-0"

23RD STREET

23RD STREET

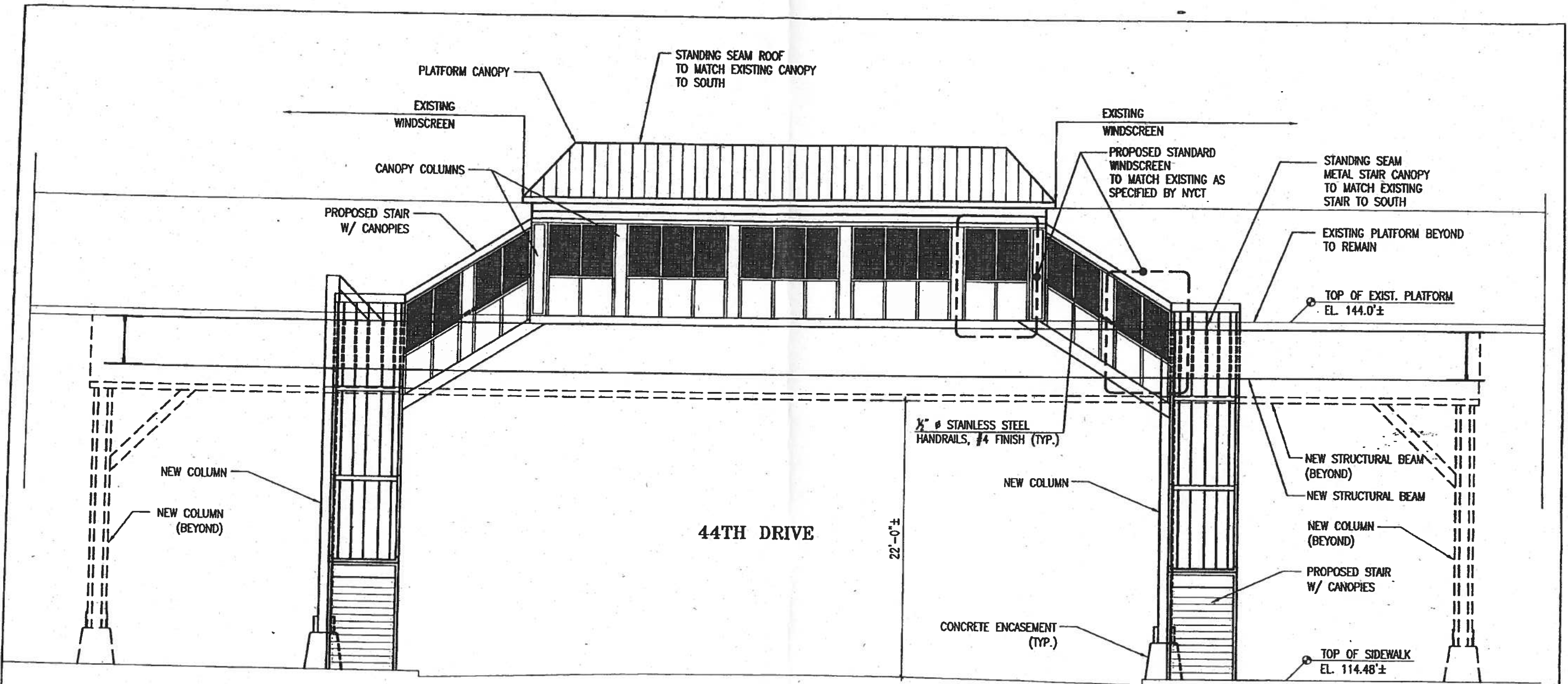


NOTE: THIS DRAWING IS BASED ON INFORMAL SURVEY CONDUCTED ON OCTOBER 2008.



REVISION	DESCRIPTION	DATE	APPROVED
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<p>30 WEST 23rd STREET          NEW YORK, NY 10011          212-368-3000</p>		<p>TOYOKO INN SUBWAY IMPROVEMENTS          ROUTE 50          NEW STAIRS AT 45TH ROAD -          COURT HOUSE SQUARE STATION, FLUSHING LINE          BOROUGH OF QUEENS</p>	
<p>TOYOKO INN NEW YORK, LLC          700 THIRD AVENUE, 5TH FLOOR          NEW YORK, NY 10017 212-255-3022</p>		<p>NORTH ELEVATION          SCALE: 1/4" = 1'-0"</p>	
<p>DRAWN BY T. COHEN</p>	<p>COORDINATED BY</p>	<p>DATE 4/20/2009</p>	<p>REVISION</p>
<p>CHECKED BY</p>	<p>RECOMMENDED BY</p>	<p>DRAWING NO. A-203</p>	<p>REASON</p>

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3 WEST ELEVATION  
 SCALE: 1/4" = 1'-0"



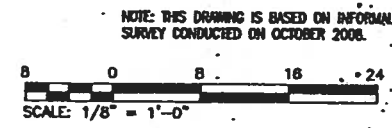
REVISION	DESCRIPTION	DATE	APPROVED

IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER/ARCHITECT. THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND DATE OF ALTERATION.

**Stantec**  
 20 WEST 23RD STREET  
 NEW YORK, NY 10011  
 212-362-2800  
 TOYOKO INN NEW YORK, LLC  
 700 THIRD AVENUE, 5TH FLOOR  
 NEW YORK, NY 10157 212-209-3822

**TOYOKO INN SUBWAY IMPROVEMENTS  
 ROUTE 50  
 NEW STAIRS AT 45TH ROAD -  
 COURT HOUSE SQUARE STATION, FLUSHING LINE  
 BOROUGH OF QUEENS**

**WEST ELEVATION**  
 SCALE: 1/8" = 1'-0"



DESIGNED BY T. BOESCH	COORDINATED BY	DATE 4/20/2009
DRAWN BY T. BOESCH	REWORKED BY	DRAWING NO. A-204
CHECKED BY	APPROVED BY	REVISION



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**FOUNDATIONS**

1. ALL FOUNDATIONS SHALL BEAR ON PROPERLY PREPARED SUBGRADE. ALL UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH LEAN CONCRETE AS DIRECTED BY THE ENGINEER PRIOR TO PLACEMENT OF FOUNDATIONS.
2. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
3. BACKFILL AGAINST TUNNEL WALLS SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
4. ROOF SLAB SHALL BE IN PLACE OR WALLS SHALL BE BRACED PRIOR TO BACKFILLING.

**MATERIAL**

1. CEMENT SHALL BE PORTLAND CEMENT IN ACCORDANCE WITH ASTM C-150.
2. ALL CONCRETE SHALL BE READY MIXED IN ACCORDANCE WITH ASTM C-94 OR ASTM C-885, THE COMPRESSIVE STRENGTH SHALL NOT BE LESS THAN 4000 PSI WHEN TESTED AT TWENTY-EIGHT (28) DAYS UNLESS OTHERWISE NOTED.
3. STEEL REINFORCEMENT RODS SHALL CONFORM TO ASTM A-615 GRADE 60 AND EPOXY COATED AS PER ASTM A-775.
4. WELDED STEEL WIRE FABRIC (WVF) FOR CONCRETE REINFORCEMENT SHALL CONFORM TO ASTM A-185. UNLESS SHOWN OTHERWISE, ALL WVF SHALL BE G10-W2.5X2.0.
5. ALL STRUCTURAL STEEL WIDE FLANGE SECTIONS SHALL CONFORM TO ASTM A992 GRADE 50, U.O.N. ALL OTHER STRUCTURAL STEEL SECTIONS SHALL CONFORM TO ASTM A572 GRADE 50, U.O.N.
6. ALL STRUCTURAL CONNECTION BOLTS SHALL BE A325 HIGH STRENGTH BOLTS, U.O.N.
7. ALL CONCRETE SHALL BE AIR ENTRAINED.
8. SHOP WELDING SHALL USE E70XX ELECTRODES.
9. ALL GROUT FOR STEEL BEARING PLATES SHALL BE "FIVE STAR" NON-SHRINK GROUT OR APPROVED EQUAL.

**PAINTING**

1. REFER TO SPECIFICATIONS FOR PAINTING REQUIREMENTS.
2. THE FOLLOWING STEEL SURFACES SHALL NOT BE PAINTED.
  - a. STEEL MEMBERS ENCASED IN CONCRETE OR STEEL SURFACES TO BE IN CONTACT WITH CONCRETE.
  - b. CONTACT SURFACES OF MILLED ENDS OF COMPRESSION MEMBERS.
  - c. CONTACT SURFACES FOR FRICTION TYPE CONNECTIONS.
  - d. CONTACT SURFACES FOR FIELD WELDING.
3. ALL EXPOSED STEEL WHICH IS TO BE ENCLOSED AND REMAIN INACCESSIBLE AFTER THE COMPLETION OF THE WORK SHALL BE PAINTED WITH BIRUINOUS PAINT.

**UNIT STRESSES FOR CONCRETE**

	PSI
WATERPROOFING PROTECTION CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS	2500
COMPRESSIVE STRENGTH AT 28 DAYS BEARING ON FULL CONCRETE AREA	4000
SHEAR AS A MEASURE OF DIAGONAL TENSION (NON-REINFORCED MEMBERS)	750
BOND BETWEEN CONCRETE AND ROLLED SHAPES	55
ALLOWABLE TENSILE STRENGTH OF DEFORMED REINFORCED BARS, ASTM A615 (GRADE 60)	30
THE ABOVE STRESSES ARE FOR NEW WORK ONLY. DESIGN SHALL CONFORM TO NYCT STRUCTURAL DESIGN GUIDELINES.	24 ksi

**UNIT STRESSES FOR STEEL**

DESIGN SHALL CONFORM TO NYCT STRUCTURAL DESIGN GUIDELINES.

**WORKING AND SHOP DRAWINGS**

**1. SUBMITTAL REQUIREMENTS**

- REFER TO SPECIFICATIONS FOR WORKING AND SHOP DRAWING REQUIREMENTS.
- a. SHOP DRAWINGS SHALL INCLUDE ALL SHOP AND ERECTION DETAILS INCLUDING CUTS, COPIES, CONNECTIONS, HOLES, BOLTS AND WELDS IN THE STRUCTURAL STEEL.
  - b. SHOP DRAWINGS FOR REINFORCED CONCRETE SHALL INCLUDE SPLICE LENGTHS AND LOCATION, EMBEDMENT AT SUPPORTS AND CONCRETE COVER.
  - c. SHOP DRAWINGS SHALL BE THOROUGHLY CHECKED, SIGNED AND DATED WITH PROPER SIZE AND TITLE BOX, LIST REFERENCE OF THE CONTRACT DRAWINGS PRIOR TO SUBMISSION TO STANTEC OR ENGINEER OF RECORD FOR REVIEW.
  - d. THE CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING LOCATIONS OF ALL CONSTRUCTION AND DETAILS OF SHEAR KEYS FOR REVIEW AND APPROVAL OF THE ENGINEER.

**2. TEMPORARY SHEETING AND BRACING**

CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY OF DEMOLITION/ EXCAVATION METHODS AND SHEETING AND BRACING. THE FIELD INSPECTOR/ ENGINEER REVIEWING EXCAVATION OPERATIONS RESERVES THE RIGHT TO DIRECT THE CONTRACTOR TO STOP WORK IF DEEMED UNACCEPTABLE AND REVISE METHODS OF CONSTRUCTION AT THE CONTRACTOR'S EXPENSE. SHOP DRAWINGS MUST BE DESIGNED BY A LICENSED ENGINEER AND SUBMITTED IN ADVANCE FOR APPROVAL. TEMPORARY SHEETING AND BRACING DESIGN SHALL BE SUBMITTED TO NYCT FOR APPROVAL BEFORE CONSTRUCTION COMMENCES.

**3. WELDING**

- a. ALL WELDS, BOTH SHOP AND FIELD, SHALL BE SHOWN IN SHOP DRAWINGS BY STANDARD WELDING SYMBOLS IN ACCORDANCE WITH AWS, 2-D. SHOP AND ERECTION DRAWINGS SHALL SHOW LOCATION, TYPE, SIZE AND EXTENT OF THE WELD.
- b. ALL SHOP WELDING SHALL USE E70XX ELECTRODES.
- c. FOR FIELD WELDING OF NEW STEEL TO EXISTING STEEL, TAKE COUPONS OF EXISTING STEEL TO DETERMINE ELECTRODE TYPE.

**4. BOLTING**

- a. AREAS OF SHOP AND FIELD BOLTING MUST BE CLEARLY IDENTIFIED.
- b. ALL BOLTS EXPOSED TO WEATHER SHALL BE PAINTED OR GALVANIZED. ANCHOR BOLTS IN CONCRETE TO BE ASTM DESIGNATION F1554 GRADE 50.

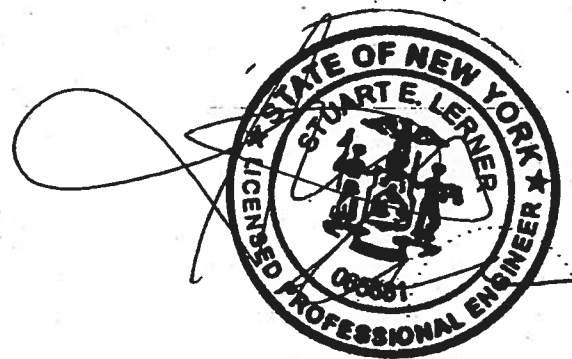
**5. GALVANIZING**

- a. ALL GALVANIZING SHALL MEET THE REQUIREMENTS OF ASTM A123 STANDARD SPECIFICATION FOR ZINC HOT GALVANIZED COATINGS.
- b. TOUCH UP GALVANIZING: GALVANIZED AREAS REQUIRING TOUCH UP AT FIELD WELDS MADE DURING THE INSTALLATION OPERATIONS OR ON GALVANIZED STEEL MEMBERS THAT HAVE BEEN DAMAGED IN TRANSPORT OR IN HANDLING SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A760, ANNEX 2.

6. FOR DETAILS OF WORKMANSHIP NOT SHOWN ON DRAWING, SEE CONTRACT SPECIFICATION.

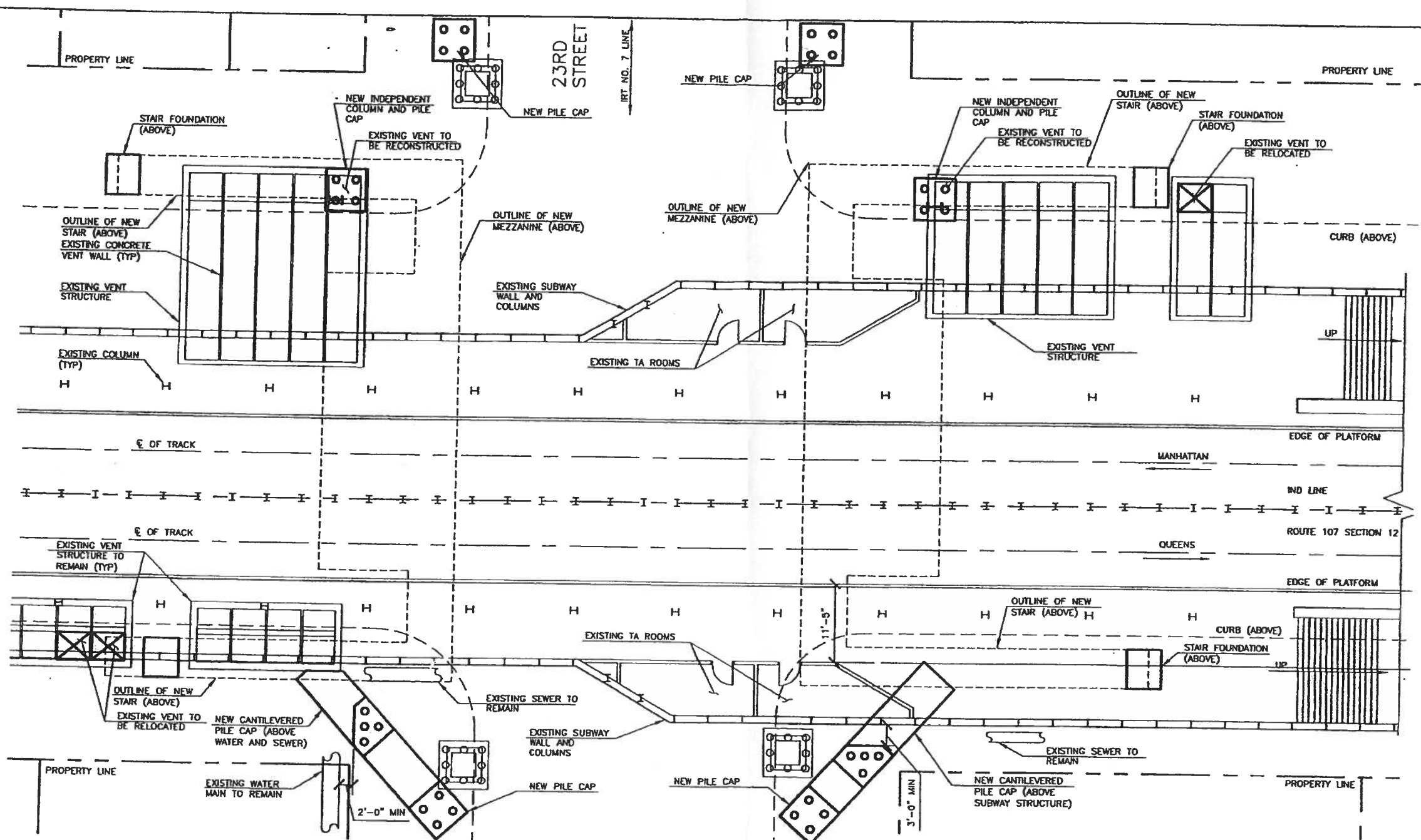
**ABBREVIATIONS:**

- |                                 |   |
|---------------------------------|---|
| A.B. - ANCHOR BOLT              | MAX. - MAXIMUM                                |
| AFF - ABOVE FINISHED FLOOR      | MEZZ - MEZZANINE                              |
| ALUM - ALUMINUM                 | MH - MANHOLE                                  |
| APPVL - APPROVAL                | MN. - MINIMUM                                 |
| BLDG - BUILDING                 | MTL - METAL                                   |
| B.L. - BUILDING LINE            | NF - NEAR FACE                                |
| BM. - BEAM                      | N.I.C. - NOT IN CONTRACT                      |
| B.O.S. - BOTTOM OF STEEL        | NTS - NOT TO SCALE                            |
| BOT - BOTTOM                    | NYCT - MTA NEW YORK CITY TRANSIT              |
| BRG - BEARING                   | NYSP.E - NEW YORK STATE PROFESSIONAL ENGINEER |
| C.I. - CAST IRON                | O.C. - ON CENTER                              |
| C.L. - CENTER LINE              | O.D. - OUTSIDE DIAMETER                       |
| CL. - CLEAR                     | P.G. - PLATE GIRDER                           |
| CLR. - CLEAR                    | PL. - PLATE                                   |
| CMU - CONCRETE MASONRY UNIT     | P.L. - PROPERTY LINE                          |
| COL. - COLUMN                   | PORCL. - PORCELAIN                            |
| CONC. - CONCRETE                | PROT. - PROTECTION                            |
| COV. - COVER                    | PSF - POUNDS PER SQUARE FOOT                  |
| CONN. - CONNECTION              | PSI - POUNDS PER SQUARE INCH                  |
| CONT. - CONTINUOUS              | PTD - PAINTED                                 |
| DET. - DETAIL                   | R/C - REINFORCED CONCRETE                     |
| DIA. - DIAMETER                 | REF. - REFERENCE                              |
| DM. - DIMENSION                 | SPA. - SPACING                                |
| DN - DOWN                       | SS - STAINLESS STEEL                          |
| D.O.T. - DEPT OF TRANSPORTATION | ST. - STAINLESS                               |
| DTL. - DETAIL                   | STFT. - STIFFENER                             |
| DWG. - DRAWING                  | STL. - STEEL                                  |
| EA - EACH                       | STND. - STANDARD                              |
| EF - EACH FACE                  | SUSP. - SUSPEND                               |
| EL. - ELEVATION                 | SW. - SWITCH                                  |
| EM. - EMBED                     | SWR. - SEWER                                  |
| EQ. - EQUAL                     | T&B - TOP & BOTTOM                            |
| E.S. - EACH SIDE                | T/C - TOP OF CONCRETE                         |
| EW - EACH WAY                   | TH. - THICK                                   |
| EXIST. - EXISTING               | T.O.S. - TOP OF STEEL                         |
| EXP. - EXPANSION                | TR. - TREAD                                   |
| FD - FLOOR DRAIN                | T/SLAB - TOP OF SLAB                          |
| FDN. - FOUNDATION               | TYP. - TYPICAL                                |
| FF - FAR FACE                   | U.O.N. - UNLESS OTHERWISE NOTED               |
| FF - FINISHED FLOOR             | V.L.F. - VERIFY IN FIELD (CONTRACTOR)         |
| FL.MTD. - FLUSH MOUNTED         | W.P. - WATERPROOFING                          |
| FR. - FRAMING                   | WP - WORKING POINT                            |
| GA. - GALVANIZED                | W.S. - WEARING SURFACE                        |
| GWB - GYPSUM WALLBOARD          |   |
| HDRAL. - HANDRAIL               |   |
| H.S. - HIGH STRENGTH            |   |
| JT. - JOINT                     |   |
| KSI - KIIPS PER SQUARE INCH     |   |



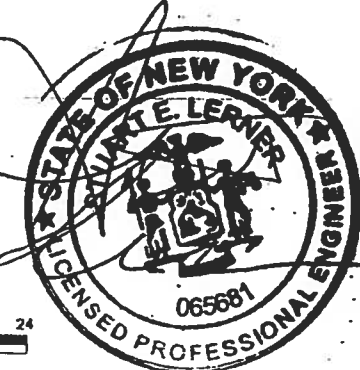
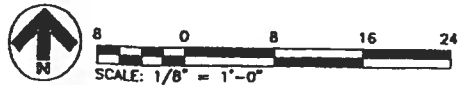
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<p>30 WEST 23rd STREET NEW YORK, NY 10011 212-346-5000</p> <p>TOYOKO INN NEW YORK, LLC 700 THIRD AVENUE, 23rd FLOOR NEW YORK, NY 10017 212-209-3002</p>		<p><b>TOYOKO INN SUBWAY IMPROVEMENTS</b>  <b>ROUTE 50</b>  <b>NEW STAIRS AT 45TH ROAD -</b>  <b>COURT HOUSE SQUARE STATION, FLUSHING LINE</b>  <b>BOROUGH OF QUEENS</b></p>	
<p><b>STRUCTURAL GENERAL NOTES &amp; ABBREVIATIONS</b></p>			
DRAWN BY	COORDINATED BY	DATE	
		4/20/2009	
DESIGNED BY	REVIEWED BY	DRAWING NO.	
		S-001	
CHECKED BY	APPROVED BY	REVISION	

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- NOTES:
1. PILES TO BE 12" ACIP (AUGERED CAST-IN-PLACE) WITH 40 TON VERTICAL CAPACITY AND 10KIP LATERAL CAPACITY.

NOTE: THIS DRAWING IS BASED ON INFORMAL SURVEY CONDUCTED ON OCTOBER 2008.



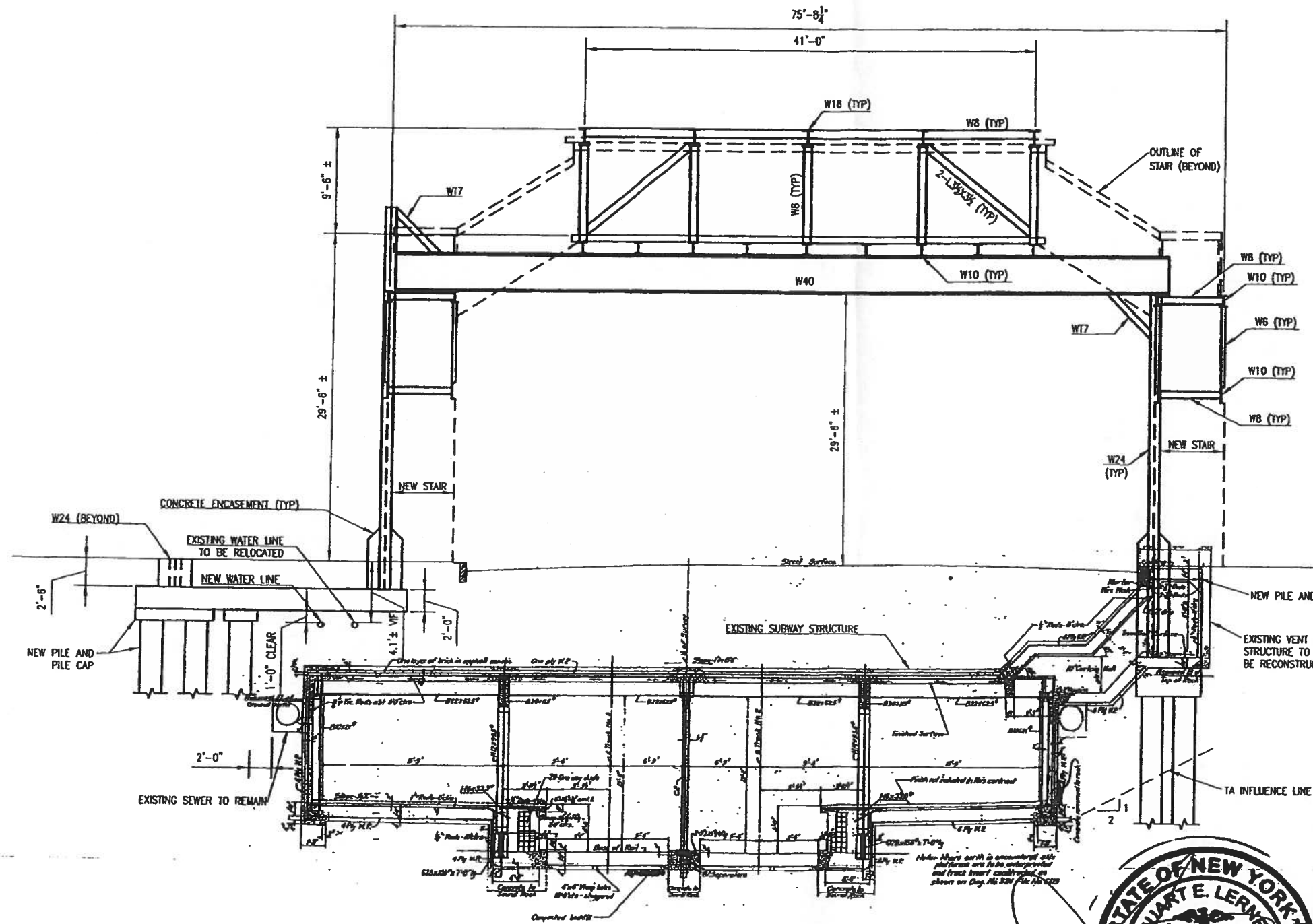
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 50 WEST 23rd STREET NEW YORK, NY 10011 212-368-5800		<b>TOYOKO INN SUBWAY IMPROVEMENTS</b> <b>ROUTE 50</b> <b>NEW STAIRS AT 45TH ROAD -</b> <b>COURT HOUSE SQUARE STATION, FLUSHING LINE</b> <b>BOROUGH OF QUEENS</b>
DRAWN BY DESIGNED BY CHECKED BY		COORDINATED BY RECOMMENDED BY APPROVED BY
DATE 4/20/2009		DRAWING NO. S-100
SCALE: 1/8" = 1'-0"		REVISION



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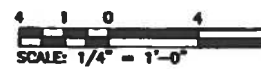
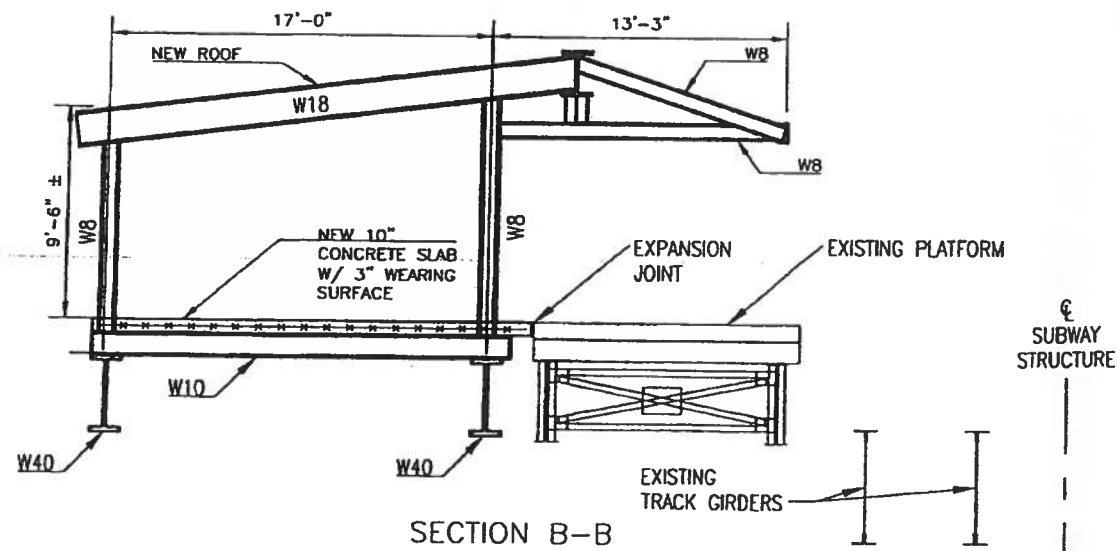
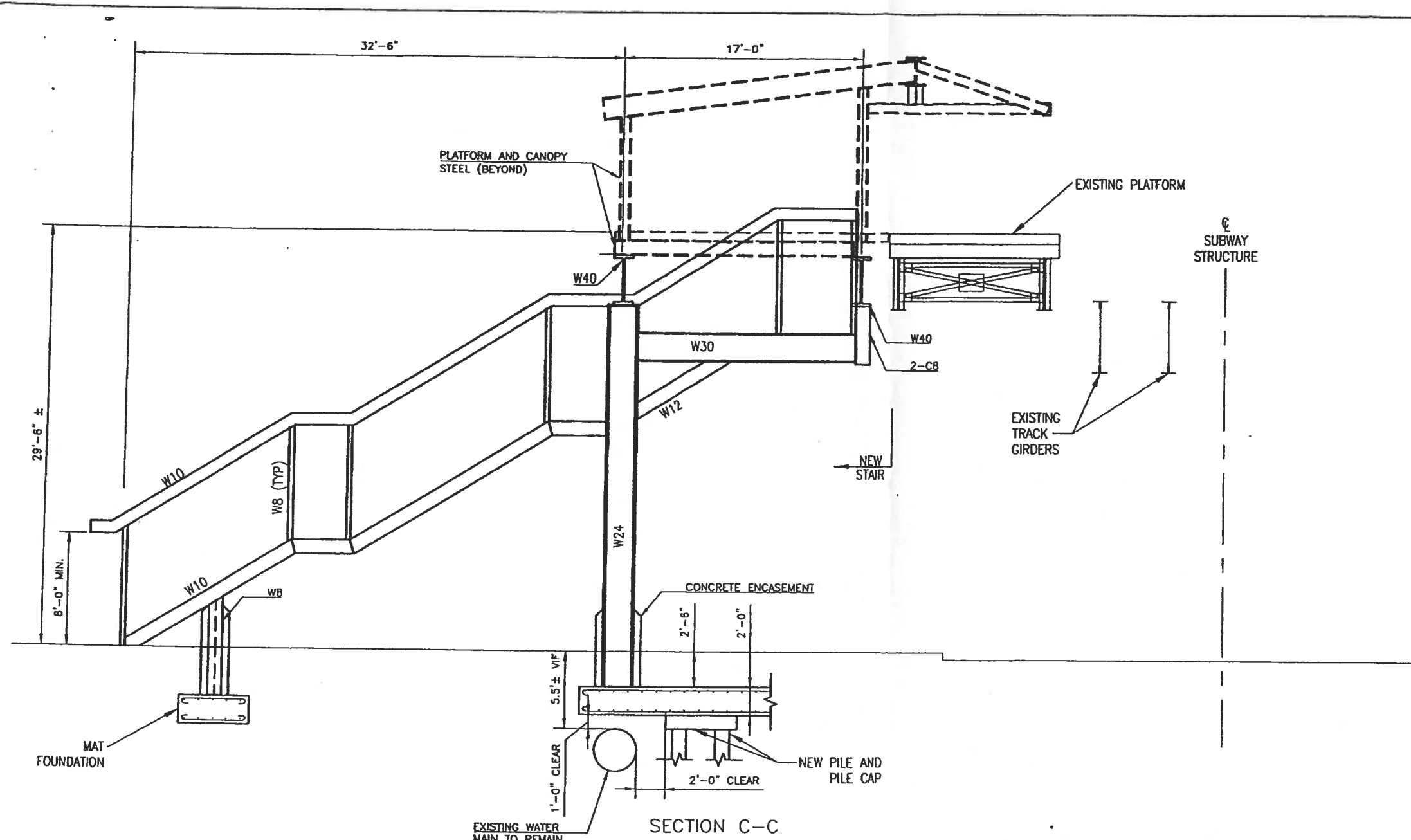
SECTION A-A


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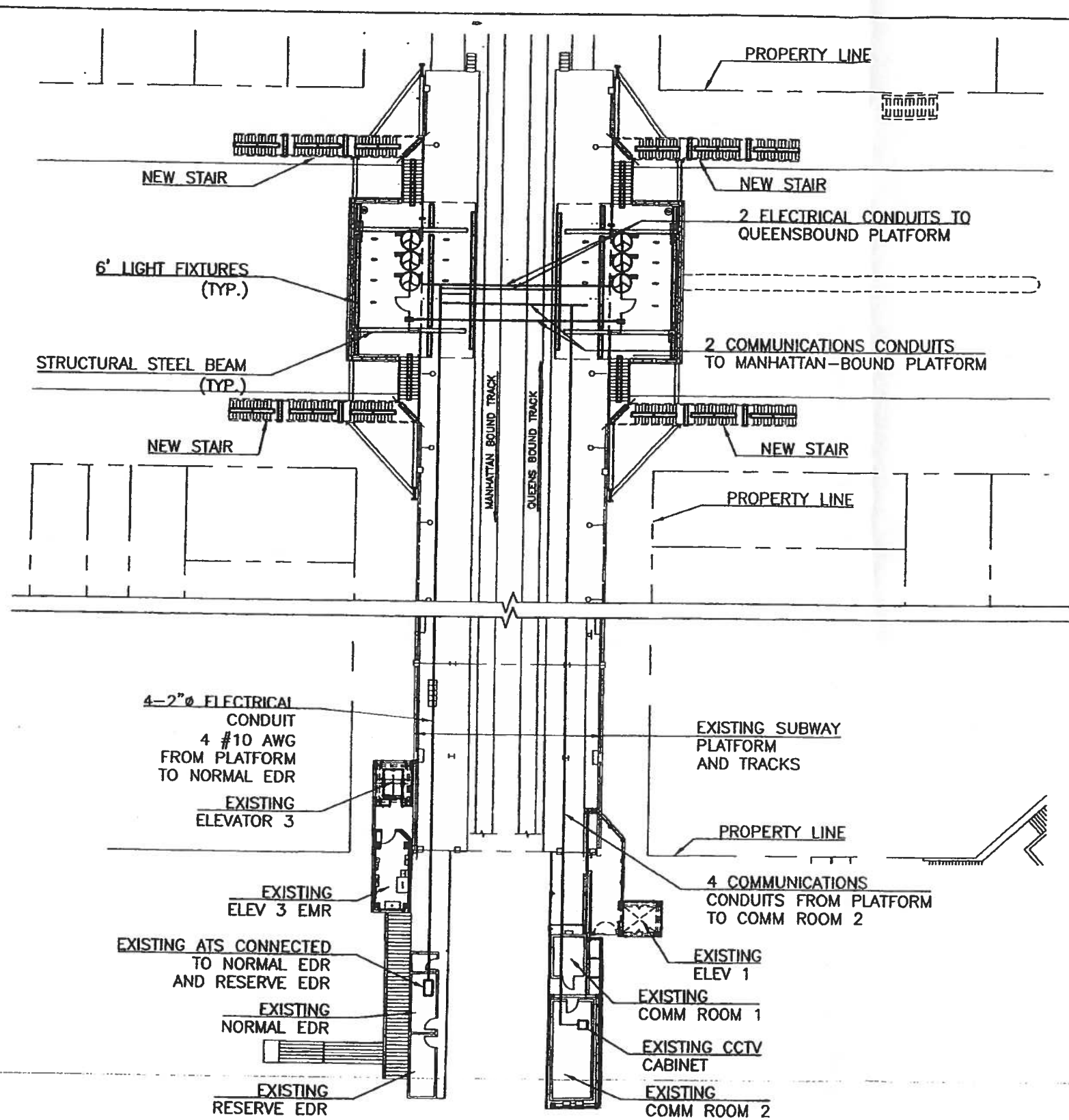
REVISION	DESCRIPTION	DATE	APPROVED
<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER/ARCHITECT. THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND DATE OF ALTERATION.</p>			
<p>30 WEST 21st STREET        NEW YORK, NY 10011        212-368-5800</p> <p>TOYOKO INN NEW YORK, LLC        710 THIRD AVENUE, 8TH FLOOR        NEW YORK, NY 10017 212-269-3932</p>		<p>TOYOKO INN SUBWAY IMPROVEMENTS        ROUTE 50        NEW STAIRS AT 45TH ROAD -        COURT HOUSE SQUARE STATION, FLUSHING LINE        BOROUGH OF QUEENS</p>	
<p>CONCEPTUAL        SECTION THROUGH E/V SUBWAY        SCALE: 3/16" = 1'-0"</p>		<p>DATE: 4/20/2009        DRAWING NO.: S-201</p>	
DRAWN BY	DESIGNED BY	CHECKED BY	DATE

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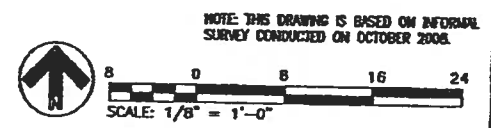


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 50 WEST 23rd STREET NEW YORK, NY 10011 212-368-2800		<b>TOYOKO INN SUBWAY IMPROVEMENTS</b> <b>ROUTE 50</b> <b>NEW STAIRS AT 45TH ROAD -</b> <b>COURT HOUSE SQUARE STATION, FLUSHING LINE</b> <b>BOROUGH OF QUEENS</b>	
SECTIONS			
DRAWN BY DESIGNED BY CHECKED BY	COORDINATED BY RECOMMENDED BY APPROVED BY	DATE 4/20/2009	DRAWING NO. S-203

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NOTES:  
 1. FINAL CONDUIT LAYOUT TO BE COORDINATED WITH NYCT.

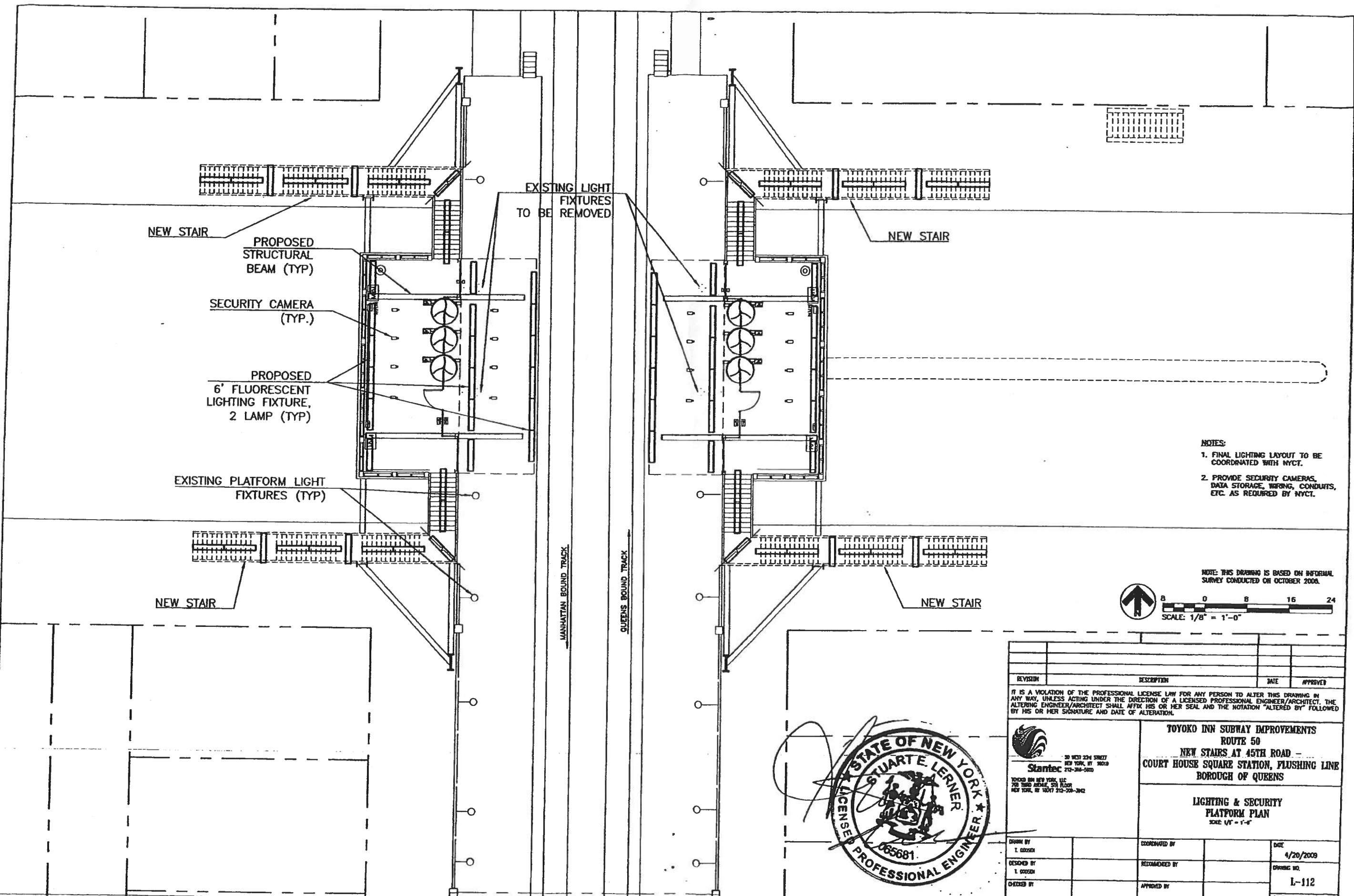


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 50 WEST 25th STREET NEW YORK, NY 10010 212-310-3200		<b>TOYOKO INN SUBWAY IMPROVEMENTS</b> <b>ROUTE 50</b> <b>NEW STAIRS AT 45TH ROAD -</b> <b>COURT HOUSE SQUARE STATION, FLUSHING LINE</b> <b>BOROUGH OF QUEENS</b>
STUART B. LERNER REGISTERED PROFESSIONAL ENGINEER STATE OF NEW YORK 008981		<b>CONDUIT FEEDER PLAN</b> SCALE 1/8" = 1'-0"
DRAWN BY L. COOSEN	COORDINATED BY	DATE 4/20/2009
DESIGNED BY L. COOSEN	RECOMMENDED BY	DRAWING NO. L-102
CHECKED BY	APPROVED BY	REVISION

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- NOTES:**
1. FINAL LIGHTING LAYOUT TO BE COORDINATED WITH NYCT.
  2. PROVIDE SECURITY CAMERAS, DATA STORAGE, WIRING, CONDUITS, ETC. AS REQUIRED BY NYCT.

NOTE: THIS DRAWING IS BASED ON INFERRIAL SURVEY CONDUCTED ON OCTOBER 2008.

SCALE: 1/8" = 1'-0"

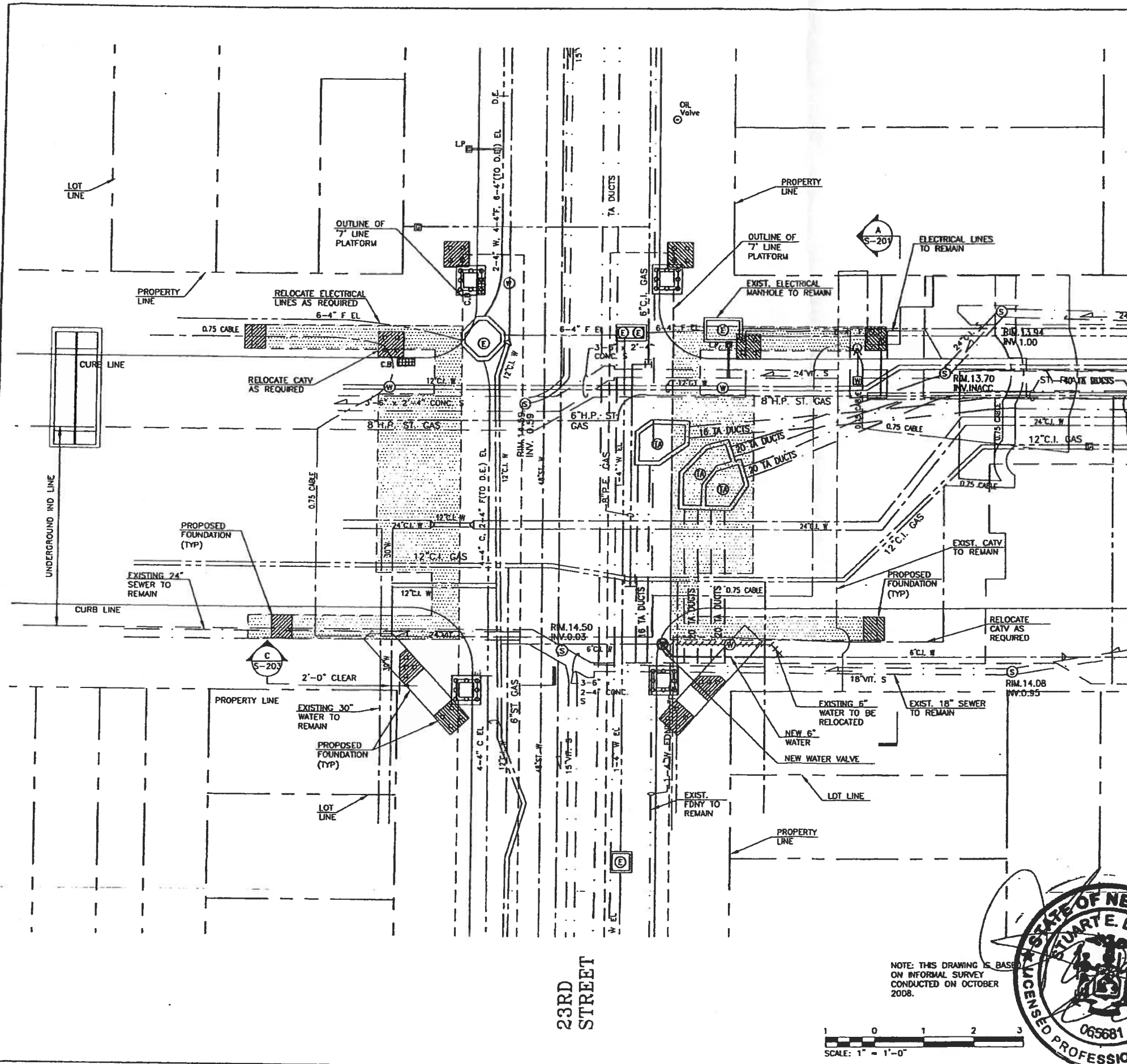
REVISION	DESCRIPTION	DATE	APPROVED

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 30 WEST 23rd STREET NEW YORK, NY 10011 212-269-2800 TOYOKO INN NEW YORK, LLC 700 THIRD AVENUE, 5TH FLOOR NEW YORK, NY 10017 212-512-3942	<b>TOYOKO INN SUBWAY IMPROVEMENTS</b> <b>ROUTE 50</b> <b>NEW STAIRS AT 45TH ROAD -</b> <b>COURT HOUSE SQUARE STATION, FLUSHING LINE</b> <b>BOROUGH OF QUEENS</b>	
	<b>LIGHTING &amp; SECURITY</b> <b>PLATFORM PLAN</b> SCALE 1/8" = 1'-0"	
DRAWN BY L. GOODEN	COORDINATED BY	DATE 4/20/2009
DESIGNED BY L. GOODEN	REMOVED BY	DRAWING NO. L-112
CHECKED BY	APPROVED BY	REVISION



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44TH DRIVE

23RD STREET

NOTE: THIS DRAWING IS BASED ON INFORMAL SURVEY CONDUCTED ON OCTOBER 2008.



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 <p>50 WEST 23RD STREET          NEW YORK, NY 10011          212-362-5600</p> <p>TOYOKO INN NEW YORK, LLC          700 THIRD AVENUE, 5TH FLOOR          NEW YORK, NY 10017 212-209-3982</p>		<p>TOYOKO INN SUBWAY IMPROVEMENTS          ROUTE 50          NEW STAIRS AT 45TH ROAD -          COURT HOUSE SQUARE STATION, FLUSHING LINE          BOROUGH OF QUEENS</p>	
<p>COMPOSITE          UTILITY PLAN          SCALE 1" = 1'-0"</p>			
<p>DRAWN BY</p>	<p>COORD BY</p>	<p>DATE</p>	<p>4/20/2009</p>
<p>DESIGN BY</p>	<p>RECOMMEND BY</p>	<p>DRAWING NO.</p>	<p>U-100</p>
<p>CHECK BY</p>	<p>APP BY</p>	<p>REVISION</p>	