



**CITY OF NEW YORK
PARKS & RECREATION**
THE ARSENAL
CENTRAL PARK
NEW YORK, NEW YORK 10065

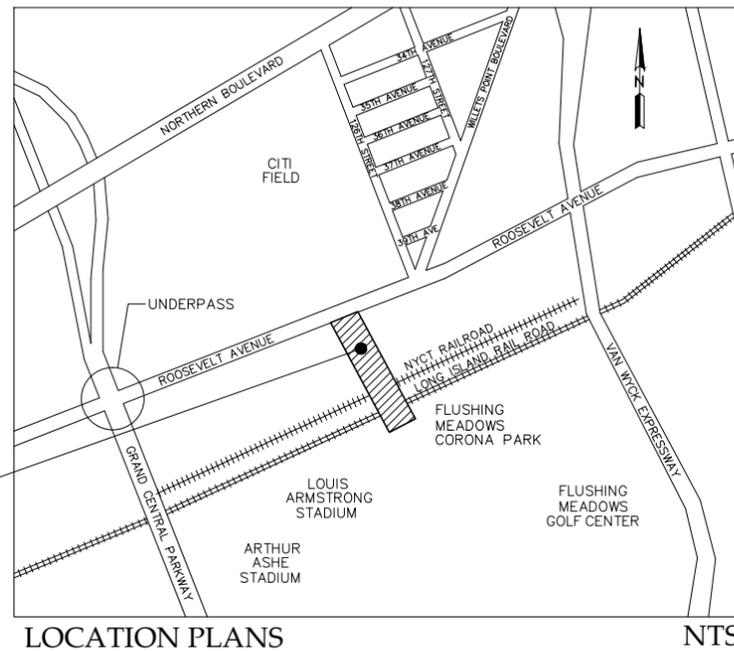
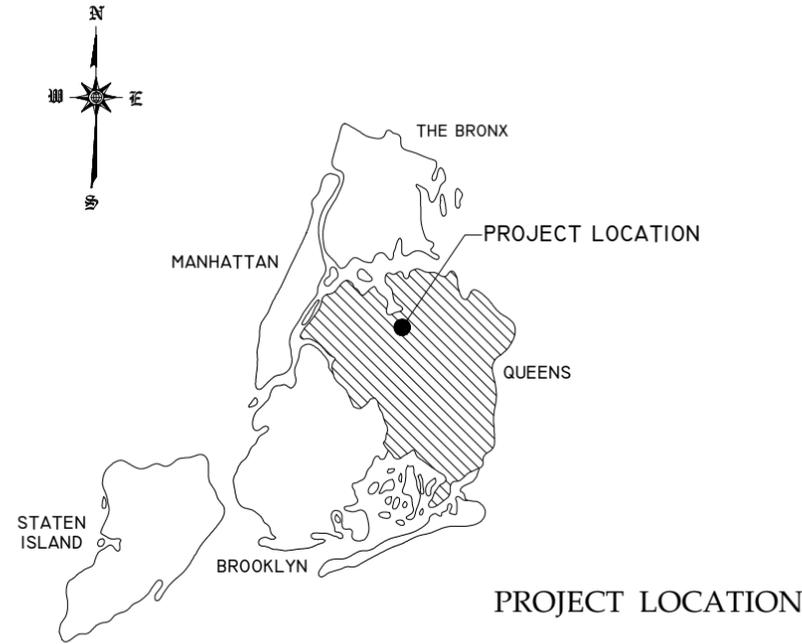


**NEW YORK CITY DEPARTMENT OF
DESIGN & CONSTRUCTION**
30-30 THOMSON AVENUE
LONG ISLAND CITY, NEW YORK, 11101

FEDERAL ROAD REGISTRATION No.	STATE	FEDERAL AID PROJECT NO.
	NEW YORK	

PROJECT ID: HBPED700Q
PRE-SCOPING PHASE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

**BOROUGH OF QUEENS
CITY OF NEW YORK**



COMMUNITY BOARDS 3, 4 AND 7 - QUEENS

COUNCIL DISTRICT 21 - QUEENS

**PRELIMINARY DESIGN
NOT FOR CONSTRUCTION**

12-18-2014

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		2	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS		B.I.N.	

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 <p>New York City Department of Design & Construction</p> <p>30-30 Thomson Avenue Long Island City, New York, 11101</p>		
 <p>City of New York Parks & Recreation</p> <p>The Arsenal Central Park New York, New York 10065</p>		
PROJECT TITLE		
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE		
DRAWING TITLE		
LIST OF DRAWINGS		
DESIGNED BY	DRAWN BY	CHECKED BY
	L. GRINBERG	Q. HASHMI
SCALE	DRAWING NO.	CONTRACT NO.
NTS	G-1	HBPED700Q
DATE		SHEET NO. 2 OF 58 SHEETS
12/18/14		

PREPARED BY:   <p style="text-align: center;">Joint Venture</p>	DATE: Q. HASHMI NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX
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FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		3	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

1. GENERAL

- 1.01A ALL ELEVATIONS SHOWN REFER TO THE BOROUGH OF QUEENS DATUM WHICH IS 2.725 FEET ABOVE THE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY AS ESTABLISHED BY THE U.S.C.&G. SURVEY, AND 1.625 FEET BELOW THE QUEENS HIGHWAY DATUM.
- 1.01B ELEVATION 0.0 IS 2.725 FEET ABOVE THE MEAN SEA LEVEL AS ESTABLISHED BY THE U.S.C.&G SURVEY AT SANDY HOOK, NEW JERSEY.
- 1.02 BLOCK INTERIOR ANGLES, BLOCK LENGTHS AND LEGAL GRADES WERE OBTAINED FROM THE FINAL MAPS OF THE BOROUGH OF QUEENS.
- 1.03 EXISTING UNDERGROUND AND OVERHEAD UTILITIES AS SHOWN HERE HAVE BEEN DETERMINED BY STANDARD SURVEYING METHODS AND AVAILABLE RECORDS. NEITHER THE EXACT LOCATION NOR THE INFORMATION OF THESE EXISTING UTILITIES IS GUARANTEED TO BE COMPLETE OR CORRECT.
- 1.04 NO TEXT
- 1.05 ALL COMMUNICATIONS AND COORDINATION MEETINGS RELATIVE TO THIS PROJECT BETWEEN THE CONTRACTOR AND ANY AGENCY, UTILITY COMPANY OR ORGANIZATION WILL BE CONDUCTED AND/OR APPROVED BY THE ENGINEER.
- 1.06 NO TEXT
- 1.07 NO TEXT
- 1.08 ALL SHEETING PLACED UNDER THIS CONTRACT, NO MATTER UNDER WHICH ITEMS, SHALL BE REMOVED, AND THE COST SHALL BE DEEMED INCLUDED IN THE PRICES BID FOR ALL SCHEDULED ITEMS.
- 1.09 THE FOLLOWING SHALL PERTAIN TO ALL ITEMS HAVING BACKFILL AS PART OF THE WORK. THE BACKFILLING SHALL COMPLY WITH SUBSECTION 4.11.3 OF THE STANDARD SPECIFICATIONS, AND THE COST THEREOF SHALL BE DEEMED INCLUDED IN THE PRICES BID FOR ALL RELATED ITEMS UNLESS OTHERWISE SPECIFICALLY NOTED ON DRAWINGS.
- 1.10 ALL HYDRANTS, LIGHT POLES, TREES OR OTHER FIXED OBJECTS THAT ARE TO BE CONSTRUCTED, PLANTED, RESET, OR RELOCATED AS A RESULT OF THE PROJECT SHALL BE CONSTRUCTED OR PLANTED SO AS TO PROVIDE AT LEAST ONE AND ONE HALF (1 1/2) FOOT CLEAR DISTANCE FROM THE FACE OF THE CURB TO THE FACE OF THE OBJECT.
- 1.11 AS A RESULT OF CURB RELOCATION WITHIN THE CONTRACT LIMITS, EXISTING STREET APPURTENANCES PROJECTING ABOVE PAVED SURFACES, SUCH AS HYDRANTS, LAMPPOSTS AND TRAFFIC SIGNAL POLES, BUS SHELTERS, ETC., WILL HAVE TO BE RELOCATED. NOT WITHSTANDING ANY CONSTRUCTION SEQUENCE AS DEFINED BY THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PLAN HIS CONSTRUCTION OPERATIONS TO INSURE THAT THESE APPURTENANCES ARE CONSTRUCTED OR RELOCATED IN CONJUNCTION WITH THE INSTALLATION OF THE NEW CURB.

IN PARTICULAR, IN THE EVENT THE SIDEWALK IS WIDENED, THE STREET APPURTENANCES SHALL BE MAINTAINED AT THEIR EXISTING LOCATION BEHIND THE EXISTING CURB UNTIL THE NEW SIDEWALK IS CONSTRUCTED. IF THE SIDEWALK IS NARROWED, THE STREET APPURTENANCES MUST BE MOVED TO THEIR NEW LOCATIONS BEHIND THE PROPOSED NEW CURB PRIOR TO REMOVAL OF THE EXISTING CURB.

2. GRADING WORK

- 2.01 REMOVAL OF ALL SHRUBBERY, DEBRIS, FENCES, AND OTHER ENCROACHMENTS FOUND ON AND WITHIN THE CITY'S RIGHT OF WAY WHICH INTERFERE WITH THE NEW WORK ARE DEEMED INCLUDED IN THE PRICES BID FOR ALL SCHEDULED ITEMS, UNLESS OTHERWISE NOTED ON THE PLANS.

3. CURB WORK

- 3.01 CURBS AND DEPRESSED CURBS IN DRIVEWAYS ARE TO BE CONSTRUCTED WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 3.02 ALL NEW STEEL FACED CONCRETE CURB WITH RADIUS GREATER THAN 100 FEET WILL BE PAID FOR AS STRAIGHT CURB. ALL NEW STEEL FACED CONCRETE CURB WITH RADIUS LESS THAN OR EQUAL TO 100 FEET WILL BE PAID FOR AS CORNER CURB.
- 3.03 NO TEXT
- 3.04 NO TEXT
- 3.05 WHERE NEW CURBING IS REQUIRED ADJACENT TO EXISTING CONCRETE SIDEWALK, WHICH IS NOT TO BE REPLACED, A CONCRETE SAW-CUT SHALL BE MADE ALONG A LINE PARALLEL TO AND TWO (2) FEET BACK FROM THE NEW CURB. THE COST OF THE SAW-CUT IS INCLUDED IN THE PRICES BID FOR THE CURB ITEMS.
- 3.06 NO TEXT
- 3.07 NO TEXT

4. SIDEWALK WORK

- 4.01 NO TEXT
- 4.02 THE LOCATION AND THE EXTENT OF NEW SIDEWALK TO BE CONSTRUCTED IS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 4.03 NO TEXT
- 4.04 NO TEXT
- 4.05 NO TEXT
- 4.06 NO TEXT
- 4.07 THE CONTRACTOR SHALL RESET/ADJUST ANCHORAGE FOR SECURITY GATES WITHIN SIDEWALK AREAS, AS NECESSARY OR AS DIRECTED BY THE ENGINEER. COST OF THIS WORK SHALL BE DEEMED INCLUDED IN PRICES BID FOR SIDEWALK WORK.
- 4.08 NO TEXT

5. DRAINAGE WORK

- 5.01 ALL PROPOSED DRAINAGE WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST STANDARDS OF THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION (N.Y.C.D.E.P.) BUREAU OF SEWERS.

- 5.02 ALL EXISTING SEWER MANHOLES WITHIN THE CONTRACT LIMITS SHALL BE ADJUSTED, AS NECESSARY, SO THAT THEY WILL BE FLUSH WITH THE FINISHED GRADES AFTER COMPLETION OF THE WORK. ANY MANHOLES WHICH HAVE DAMAGED, WORN OR NON-STANDARD FRAMES AND COVERS SHALL BE PROVIDED WITH NEW TWENTY-SEVEN (27) INCH CASTINGS IN ACCORDANCE WITH THE LATEST STANDARDS OF N.Y.C.D.E.P. BUREAU OF SEWERS.
- 5.03 ANY DAMAGE TO EXISTING SEWERS, MANHOLES, BASINS AND CONNECTIONS CAUSED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE CITY.
- 5.04 WHERE THE HEIGHT OF AN EXISTING MANHOLE PERMITS MORE THAN ONE BASIN CONNECTION TO BE MADE ON THE SAME WALL, SPECIAL PRECAUTION SHALL BE TAKEN TO PROTECT THE STRUCTURAL INTEGRITY OF THE MANHOLE. THE MINIMUM CLEARANCE BETWEEN THE OUTSIDE WALLS OF ANY TWO BASIN CONNECTIONS OR BETWEEN A BASIN CONNECTION AND SEWER, VERTICALLY OR HORIZONTALLY, SHALL BE 12 INCHES.
- 5.05 THE COST OF RAISING OR LOWERING CITY OWNED MANHOLE, BASIN, AND INLET HEADS TO PROPOSED GRADES WILL BE DEEMED INCLUDED IN THE PRICES BID FOR ALL THE SCHEDULED ITEMS WHEN THE VERTICAL UPWARD MOVEMENT OF ALL HEADS IS TWENTY FOUR (24) INCHES OR LESS, WHEN THE VERTICAL DOWNWARD MOVEMENT OF MANHOLE HEADS IS SIX (6) INCHES OR LESS, AND WHEN THE VERTICAL DOWNWARD MOVEMENT OF BASIN HEADS IS THREE (3) INCHES OR LESS, UNLESS OTHERWISE PROVIDED OR DIRECTED, AND WHERE THE ADJUSTMENT IS WITHIN THE BRICK WORK LIMIT. WHEN THE EXISTING STRUCTURE CONSISTS OF A BRICK CHIMNEY OR A CONCRETE ROOF SLAB OR BRICK ON CONCRETE WALLS, THE MAXIMUM ALLOWABLE HEIGHT OF BRICK, AFTER ADJUSTMENT, SHALL BE TWENTY-FOUR (24) INCHES. ALL OTHER ADJUSTMENTS WILL BE PAID FOR UNDER THE APPROPRIATE MANHOLE, BASIN, OR INLET MODIFICATION ITEMS.
- 5.06 ALL EXISTING SEWERS, MANHOLES, BASINS, AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT AND CONTIGUOUS THERETO ARE TO BE REPAIRED, IF DAMAGED.
- 5.07 ALL EXISTING BASINS AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT AND CONTIGUOUS THERETO ARE TO BE CLEANED, FLUSHED AND OTHERWISE MADE OPERABLE TO THE SATISFACTION OF THE ENGINEER, ITEM NO. 6.50. WHERE THE EXISTING BASIN CONNECTIONS ARE FOUND TO BE DAMAGED OR IN DETERIORATING CONDITION THEY SHOULD BE REPLACED WITH NEW 12" DIAMETER DUCTILE IRON PIPE IN ACCORDANCE WITH THE N.Y.C.D.E.P. BUREAU OF SEWERS STANDARDS (ITEM NO. 52.11D12).
- 5.08 CATCH BASINS SHALL NOT, UNDER ANY CIRCUMSTANCES, BE CONNECTED TO A SANITARY SEWER. CATCH BASINS SHALL NOT BE LOCATED WITHIN PEDESTRIAN CROSSWALKS.
- 5.09 ALL NEW CATCH BASIN CONNECTIONS SHALL BE MADE TO EXISTING SEWERS AT MANHOLES, WITH 12" DIAMETER DUCTILE IRON PIPE, CLASS 56, WITH INTERNALLY LOCKED "PUSH-ON" JOINTS LAID ON 6" OF BROKEN STONE FOR THE ENTIRE WIDTH OF THE TRENCH AND FOR ONE-HALF THE PIPE DIAMETER. THE BROKEN STONE SHALL BE HARD, UN-WEATHERED STONE, UNIFORMLY GRADED FROM 1/4" TO 3/4" IN DIAMETER. IT SHALL CONFORM TO COMMERCIAL 1/4" TO 3/4" STONE. ALL NEW CATCH BASINS SHALL HAVE A HOOD ON THE OUTLET PIPE.
- 5.10 ALL CATCH BASINS SHALL BE TYPE 1 UNLESS OTHERWISE INDICATED ON THE DRAWINGS. ALL CATCH BASIN SHALL BE INSTALLED 8" BELOW TOP OF CURB.
- 5.11 SLOPE ON ALL NEW CATCH BASIN CONNECTIONS SHALL BE A MINIMUM OF 1/2% AND A MAXIMUM OF 4%, PROVIDED THE TOTAL DROP BETWEEN BASIN AND BASIN/ MANHOLE SHALL BE AT LEAST SIX (6) INCHES.
- 5.12 WHERE THE CONTRACT DRAWINGS SPECIFY A NEW CATCH BASIN IN THE SAME LOCATION AS THE EXISTING CATCH BASIN AND THE CONTRACTOR ELECTS, FOR HIS OWN CONVENIENCE, TO RELOCATE THE NEW CATCH BASIN ADJACENT TO THE PRE-EXISTING LOCATION WHILE MAINTAINING BASIN AND PIPE CONNECTION, THE CONTRACTOR SHALL PERFORM ALL WORK ASSOCIATED WITH ABANDONING THE EXISTING BASIN, AS PER SECTION 5.21 OF THE STANDARD SEWER SPECIFICATIONS, AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST BID FOR NEW BASINS, AND MANHOLES UNLESS OTHERWISE NOTED ON THE PLANS.
- 5.13 ALL EXISTING SEWER HOUSE CONNECTIONS SHOULD BE CONTINUOUSLY MAINTAINED DURING ALL STAGES OF CONSTRUCTION. IF ANY HOUSE CONNECTION MUST BE DISCONNECTED FOR CONSTRUCTION PURPOSES, FLOW MUST BE MAINTAINED BY FLOWING OR OTHER SUITABLE MEANS AS DIRECTED BY THE ENGINEER AND IN SUCH A MANNER THAT NO BACK-UPS OCCUR. ANY AND ALL EXISTING SEWERS, HOUSE CONNECTIONS OR OTHER SEWER APPURTENANCES WHICH ARE TO REMAIN, AND WHICH MUST BE DISTURBED FOR CONSTRUCTION PURPOSES, SHALL BE RESTORED TO THEIR PRESENT CONDITION AFTER COMPLETION OF THE WORK, AND ANY DAMAGE DONE AS A RESULT OF THE WORK SHALL BE REPAIRED AT NO COST TO THE CITY.
- 5.14 CATCH BASINS IN THE PROJECT AREA SHALL BE MAINTAINED OPERABLE AT ALL TIMES. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID CLOGGING CATCH BASINS WITH DEBRIS DURING THE CONTRACTOR'S OPERATIONS. IF, AS A RESULT OF CONSTRUCTION, A FLOODING CONDITION OCCURS OR IN THE EVENT THE CONTRACTOR'S OPERATIONS DAMAGE OR BLOCK THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE IMMEDIATELY REPAIR OR RESTORE THE DRAINAGE SYSTEM AS DIRECTED BY THE ENGINEER AT NO EXTRA COST TO THE CITY.
- 5.15 ALL SOIL DENSITY TESTING, CONSISTING OF BOTH PROCTOR ANALYSIS OF SOIL SAMPLES AND IN-PLACE SOIL DENSITY TESTS, TO BE PERFORMED DURING THE BACKFILLING OF SEWER TRENCHES SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 40.06.3 AND 40.06.4 OF THE STANDARD SEWER SPECIFICATIONS. THE COST OF THIS WORK SHALL BE DEEMED INCLUDED IN THE UNIT PRICES BID FOR LAYING THE VARIOUS SEWER PIPES. NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- 5.16 NO TEXT
- 6. WATER MAIN WORK**
- 6.01 THE CONTRACTOR SHALL LOCATE ALL EXISTING WATER MAINS VALVE BOX HEADS, AND SHALL INDICATE THEM IN THE FIELD TO THE SATISFACTION OF THE ENGINEER. FURTHERMORE, THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE/SHE WILL BE RESPONSIBLE FOR THE REPLACEMENT AND RESETTING OF ALL VALVE BOXES WHICH ARE DAMAGED OR DISTURBED AS A RESULT OF HIS/HER OPERATIONS.
- 6.02 EXISTING WATER HYDRANTS ARE TO BE RELOCATED AS SHOWN ON THE PLANS, AS DIRECTED BY THE ENGINEER, AND IN ACCORDANCE WITH THE SPECIFICATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER SUPPLY.
- 6.03 ALL NEW WATER MAIN WORK IS TO BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE N.Y.C.D.E.P. BUREAU OF WATER & SEWER OPERATIONS.

- 6.04 EXCEPT WHERE NOTED OTHERWISE, NEW WATER MAINS ARE BEING REPLACED IN THE SAME LOCATION AS THE EXISTING ONES.
- 6.05 NO TEXT
- 6.06 NO TEXT
- 6.07 NO TEXT
- 6.08 NO TEXT
- 6.09 NO TEXT
- 6.10 NO TEXT
- 6.11 NO TEXT
- 6.12 NO TEXT
- 6.13 NO TEXT
- 6.14 NO TEXT
- 7. TRAFFIC WORK**
- 7.01 NO TEXT
- 7.02 NO TEXT
- 7.03 NO TEXT
- 7.04 NO TEXT
- 7.05 NO TEXT
- 7.06 NO TEXT
- 8. BIKE RACKS/ BIKE CORRALS / CITI BIKE STATIONS**
- 8.01 NO TEXT
- 8.02 NO TEXT
- 8.03 NO TEXT
- 8.04 NO TEXT
- 9. FIRE ALARM WORK**
- 9.01 NO TEXT
- 9.02 NO TEXT
- 9.03 NO TEXT
- 9.04 NO TEXT
- 9.05 NO TEXT
- 9.06 NO TEXT
- 9.07 NO TEXT
- 9.08 NO TEXT
- 9.09 NO TEXT
- 9.10 NO TEXT
- 10. OTHER UTILITIES WORK**
- 10.01 THE CONTRACTOR IS ALERTED TO THE RULES AND REGULATIONS OF INDUSTRIAL CODE RULE 53 AND IS DIRECTED TO COMPLY. THE CITY SHALL NOT BE LIABLE FOR ANY COSTS INCURRED BY THE CONTRACTOR AS A RESULT OF THE COMPLIANCE, NON-COMPLIANCE, OR IMPROPER COMPLIANCE BY THE FRANCHISED OPERATORS OF UNDERGROUND FACILITIES, WITH SUB- PART 53-3 OF RULE 53 OF THE INDUSTRIAL CODE.
- 10.02 CON EDISON, NATIONAL GRID, CABLEVISION, TIME WARNER, AT&T, RCN, EMPIRE CITY SUBWAY, AND VERIZON FACILITIES ARE LOCATED WITHIN THE PROJECT LIMITS. AS A RESULT OF THIS PROJECT, THESE PRIVATE UTILITIES WILL REQUIRE PROTECTION DURING REMOVAL, REPLACEMENT, OR RELOCATION OF SOME OR ALL OF THEIR FACILITIES. THIS WORK WILL BE PERFORMED BY THEM OR THEIR AGENTS AT THEIR EXPENSE. CONTRACTOR TO COORDINATE ACTIVITIES WITH THEM.
- 10.03 ALL UTILITY POLES WILL BE REMOVED AND/OR RELOCATED BY OTHERS.
- 10.04 THE ENGINEER WILL CONTACT THE SPECIAL PROJECT UNIT COMMUNICATIONS DIVISION OF THE POLICE DEPARTMENT (212-374-5900) IF ANY RELOCATION OR DISCONNECTION OF POLICE DEPARTMENT FACILITIES IS REQUIRED.
- 11. PAVEMENT WORK**
- 11.01 ALL HEADERS ABUTTING NEW PAVEMENT SHALL BE REMOVED WHERE DIRECTED BY THE ENGINEER, THE PRICE OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR EXCAVATION.
- 11.02 ASPHALTIC CONCRETE MIXTURE IS TO BE USED IN THE AREAS OF ADJUSTMENT, AND AS DIRECTED BY THE ENGINEER (SEE ITEM NO. 4.02 CB).
- 11.03 FINISHED ROADWAY PAVEMENT AT THE APEX OF ALL CORNERS SHALL BE CONSTRUCTED TO ELEVATIONS SO AS TO PROVIDE POSITIVE SURFACE DRAINAGE FROM THE APEX TOWARDS THE CATCH BASINS, WHERE APPLICABLE.
- 12. LANDSCAPING WORK**
- 12.01 NO TEXT
- 12.02 NO TEXT.

13. BUS STOP SHELTER WORK

14. STREET LIGHTING WORK

- 14.01 THE CONTRACTOR SHALL FURNISH, INSTALL, AND REMOVE ALL NECESSARY STREET LIGHTING EQUIPMENT PRIOR TO NEW PAVING.
- 14.02 NEW INSTALLATION SHALL BE ENERGIZED BEFORE THE REMOVAL OF EXISTING POLES.
- 14.03 THE CONTRACTOR SHALL NOTIFY NYC DEPARTMENT OF TRANSPORTATION THE BUREAU OF TRAFFIC OPERATIONS, AT LEAST 72 HOURS PRIOR TO THE START OF WORK.
- 14.04 ANY DAMAGE TO THE EXISTING STREET LIGHTING EQUIPMENT, AS A RESULT OF THE CONTRACTORS WORK AND/OR WORK FORCE, SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT NO COST TO THE CITY.

NOTES

- 1. FOR STRUCTURAL NOTES AND SCOPE OF WORK SEE DWG- G-4
- 2. FOR RAILROAD NOTES, SEE DWGS. G-5 AND G-6

PREPARED BY:




Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:
12/18/14

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
GENERAL NOTES

DESIGNED BY	DRAWN BY K. WALKER	CHECKED BY Q. HASHMI
SCALE NTS	DRAWING NO. G-2	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 3 OF 58 SHEETS	

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		4	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS		B.I.N.	

15. LIST OF APPLICABLE SPECIFICATIONS

15.01 DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014, AND THE LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009.

LIVE LOADS:
SUPERSTRUCTURE HS-10 VEHICULAR LOAD, OR 100 PSF PEDESTRIAN LOAD (PL)
SUBSTRUCTURE 85 PSF

DEAD LOADS:
SLABS 150 PSF
SUPERIMPOSED 50 PSF

15.02 BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE SHALL BE DESIGNED FOR SEISMIC EFFECTS PER AASHTO LRFD AND AS MODIFIED BY THE NYS DOT BLUE PAGES.

15.03 ALL WELDING SHALL BE IN ACCORDANCE WITH THE AASHTO/AWS D1.5: 2010 BRIDGE WELDING CODE, 6TH EDITION.

15.04 DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

15.05 THE PROPOSED STRUCTURE CONTAINS FRACTURE-CRITICAL MEMBERS. THE CONTRACTOR SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTION 9 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM), 3RD EDITION.

15.06 THIS BRIDGE, INCLUDING EXISTING ELEMENTS AND THOSE REPAIRED OR REPLACED UNDER THIS CONTRACT, SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT 2ND EDITION OF THE AASHTO MANUAL FOR BRIDGE EVALUATION.

15.07 EXISTING STRUCTURE CONTAINS ASBESTOS MATERIALS. THESE MATERIALS SHALL BE REMOVED. HIGH VOLTAGE ELECTRICAL LINES MAY BE IN PROXIMITY TO THIS BRIDGE. REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATIONS FOR CONTRACTOR SAFETY REQUIREMENTS.

15.08 RECORD PLANS FOR THE EXISTING STRUCTURE ARE AVAILABLE AT THE NYC PARKS DEPARTMENT UPON REQUEST.

16. MATERIAL NOTES

16.01 CONSTRUCTION AND MATERIALS SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED MAY 1, 2008, WITH CURRENT ADDITIONS AND MODIFICATIONS.

16.02 ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A709 - GRADE 50, AND SHALL BE GALVANIZED AS PER ASTM A123.

16.03 CONCRETE SHALL BE AS PER THE FOLLOWING:
A. FOOTINGS AND PEDESTALS - CLASS A, MIN. F'C = 4000 PSI
B. DECK SLAB - CLASS HP, MIN. F'C = 4000 PSI
C. BARRIER/PARAPET - CLASS A, MIN. F'C = 4000 PSI

16.04 ALL CONCRETE REINFORCEMENT STEEL SHALL CONFORM TO ASTM A615 - GRADE 60, AND SHALL BE EPOXY COATED.

16.05 ALL FASTENERS SHALL BE 7/8" DIAMETER HIGH STRENGTH BOLTS CONFORMING TO ASTM A325.

16.06 ALL NUTS SHALL BE CONFORMING TO ASTM A563 GRADE DH OR ASTM A194 GRADE 2H.

17. SUPERSTRUCTURE NOTES

17.01 THE STRUCTURE TYPE SHOWN IN THESE DRAWINGS IS UTILIZING ASTM A709 GRADE 50 STEEL AND CONCRETE DECK WITH A 28 DAY STRENGTH OF 4000 PSI. ALTERNATE STRUCTURES MAY BE CONSIDERED, PROVIDED THAT THE ALTERNATE DESIGN MEETS THE CONSTRAINTS ON THE BRIDGE DECK PROFILE AND DOES NOT REDUCE THE PROPOSED HORIZONTAL AND VERTICAL TRACK CLEARANCE OF THE STRUCTURE AS SHOWN ON THE PLANS.

THE MINIMUM VERTICAL AND HORIZONTAL CLEARANCES SHALL BE MAINTAINED.

ALL STEEL REINFORCEMENT IN THE SUPERSTRUCTURE SHALL BE EPOXY COATED GRADE 60 STEEL. WELDING OF STEEL IS NOT PERMITTED.

RAILING DESIGN SERVICE LEVEL: TL-2

PEDESTRIAN FENCING SHALL BE VERTICAL, WITH ARCHITECTURAL TREATMENT SUBJECT TO PUBLIC DESIGN COMMISSION APPROVAL. DETAILS ARE TO BE DEVELOPED DURING THE FINAL DESIGN.

THE CONTRACTOR, WITH THE PERMISSION OF THE ENGINEER, MAY ELECT TO INTRODUCE CONSTRUCTION JOINTS IN THE BRIDGE DECK. THESE CONSTRUCTION JOINTS SHALL BE PROVIDED WITH SHEAR KEYS.

17.02 THE FOLLOWING STRUCTURAL STEEL MEMBERS SHALL BE FURNISHED TO MINIMUM CHARPY V-NOTCH TOUGHNESS REQUIREMENTS AS PER SUBSECTION 715-01 OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND SECTION 8 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM):

- A. FLOORBEAM WEBS AND FLANGES
- B. STRINGER WEBS AND FLANGES
- C. TIE PLATES BETWEEN FLOORBEAMS AND COLUMNS

17.03 THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PROVISIONS OF THE CURRENT SPECIFICATIONS FOR SUPERSTRUCTURE SLABS, WHICH ALLOW THE OPTION OF 3 FORMING SYSTEMS FOR THE UNDERSIDE OF THE SLABS. HOWEVER, ON THIS BRIDGE ONLY THE FOLLOWING OPTION WILL BE PERMITTED: STAY-IN-PLACE (S.I.P.) FORMS. FOR CANTILEVER SECTIONS REMOVABLE FORMS SHALL BE USED.

17.04 NO DEVIATIONS FROM THE HAUNCH DETAILS SHOWN ON THESE PLANS MAY BE MADE WITHOUT THE PERMISSION OF THE ENGINEER.

17.05 TOP SURFACES OF NEW BRIDGE DECK SHALL BE SEALED ACCORDING TO ITEM 559.1896 18 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS.

17.06 DIAPHRAGMS FOR ALL NONSKEWED STRAIGHT GIRDER SUPERSTRUCTURES SHALL BE FABRICATED TO FIT GIRDERS ERECTED WITH THEIR WEBS VERTICAL UNDER STEEL AND FULL DEAD LOAD CONDITIONS.

18. SUBSTRUCTURE NOTES

18.01 MINIMUM CLEAR COVER TO REINFORCING STEEL IN SUBSTRUCTURES SHALL BE AS FOLLOWS: FOOTINGS 3 IN; ALL OTHER LOCATIONS 2 IN.

18.02 ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1 INCH UNLESS OTHERWISE NOTED ON THE DRAWINGS.

18.03 GEOTECHNICAL INVESTIGATION AND FOUNDATION DESIGN REPORT ARE REQUIRED FOR PILE FOUNDATION DESIGN FOR NEW DESIGN LOADS

18.04 ALL PLACEMENTS OF SELECT STRUCTURAL FILL, ITEM 203.21, SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY.

18.05 ALL CONCRETE SURFACES RECEIVING NEW CONCRETE SHALL BE SANDBLASTED. THE SURFACES SHALL BE AIR CLEANED THEN PRE-WET FOR 12 HOURS PRIOR TO THE APPLICATION OF NEW CONCRETE.

19. FOUNDATION NOTES

19.01 SEE DWG. S-37

20. STEEL ERECTION NOTES

20.01 THE CONTRACTOR SHALL PROVIDE FOR THE STABILITY OF STRUCTURAL STEEL DURING ALL PHASES OF ERECTION AND CONSTRUCTION, AS PROVIDED IN PARAGRAPH 204.2 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM).

20.02 THE DESIGN OF THIS STRUCTURE ASSUMES THAT THE STRUCTURAL STEEL IS COMPLETELY ERECTED BEFORE IT IS ALLOWED TO DEFLECT UNDER ITS OWN DEAD LOAD. DEFLECTIONS INCURRED DURING THE VARIOUS STAGES OF THE ERECTION METHOD ARE NOT CONSIDERED. THEREFORE, THE ACTUAL ERECTION METHODS AND SEQUENCES EMPLOYED BY THE CONTRACTOR MAY HAVE A SUBSTANTIAL EFFECT ON THE FINAL STEEL PROFILE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY COMPENSATORY ACTION TO ENSURE THAT THE FINAL ALIGNMENT AND PROFILE OF THE ERECTED STEEL CONFORMS TO SUBSECTION 1213, 1214, AND 1215 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). ANY CORRECTIVE WORK NECESSARY TO RE-POSITION PREVIOUSLY ERECTED STEEL TO ACHIEVE ACCEPTABLE ALIGNMENT AND PROFILE MUST BE APPROVED BY THE ENGINEER AND SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE CITY.

21. MEASUREMENTS AND UNITS

21.01 THIS CONTRACT USES ENGLISH UNITS. ALL CORRESPONDENCE AND SUBMITTALS REQUIRED BY THIS CONTRACT SHALL BE IN THE ENGLISH LANGUAGE AND UNITS. ALL UNITS OF MEASURE AND DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS SHALL BE IN THE U.S. NATIONAL BUREAU OF STANDARDS INCH-POUND-SECOND SYSTEM AND ITS COMMONLY DERIVED UNITS.

21.02 ALL PLAN DIMENSIONS SHALL BE MEASURED IN A TRUE HORIZONTAL PLANE, UNLESS OTHERWISE NOTED.

21.03 ALL VERTICAL DIMENSIONS SHALL BE MEASURED IN A TRUE VERTICAL PLANE, UNLESS OTHERWISE NOTED.

22. TRACK OUTAGES

22.01 CONSTRUCTION ON THIS CONTRACT SHALL MINIMIZE IMPACTS TO RAILROAD OPERATIONS. THE CONTRACTOR SHALL COORDINATE TRACK OUTAGES WITH THE ENGINEER.

23. CONSTRUCTION STAGING AREAS

23.01 THE CONTRACTOR SHALL PROVIDE SECURITY MEASURES FOR THE STAGING AREAS AND WORK SITES AS SHOWN ON THE CONSTRUCTION PHASING PLANS.

23.02 THE CONTRACTOR SHALL SECURE CONSTRUCTION MATERIALS AND EQUIPMENT SUSCEPTIBLE TO VANDALS IN A VANDAL-PROOF ENCLOSURE. HE/SHE SHALL PROTECT THE WORK SITE WITH FENCES, BARRICADES, BARRIERS, ETC. TO BAR ACCESS TO OPERATING AREAS VIA THE WORK SITE.

23.03 PROVIDE FENCE WHERE SHOWN AND AS REQUIRED TO SECURE CONSTRUCTION SITE AND RAILROAD ROW DURING ALL STAGES OF CONSTRUCTION. THE FENCE SHALL BE 8' HIGH CHAIN LINK FENCE.

SCOPE OF WORK (SUMMARY)

A. REMOVE AND STORE EXISTING STEEL CANOPY STRUCTURES TO BE REINSTALLED ON NEW BRIDGE STRUCTURE.

B. DEMOLISH EXISTING SUPERSTRUCTURE AND SUBSTRUCTURE TO FOOTING PEDESTAL, INCLUDING RAILING AND FENCE AS SHOWN ON THE CONSTRUCTION STAGING PLANS, DWGS. S-13 THRU S-17.

C. REMOVE PILE CAPS AND PEDESTALS AS SHOWN ON FOUNDATION PLANS, DWGS. S-37 AND S-38.

D. INSTALL ADDITIONAL PILES AT SELECTED PILE FOUNDATIONS AS PER FOUNDATION PLANS DETAILS, DWGS. S-37 THRU S-40.

E. INSTALL NEW STEEL COLUMNS AND BENT CAP BEAMS/FLOORBEAMS.

F. INSTALL STEEL SUPERSTRUCTURE AS PER PROPOSED FRAMING PLANS SHOWN ON DWGS. S-25 THRU S-27.

G. INSTALL CONCRETE DECK, RAILING, SCUPPERS, DOWNSPOUTS, AND UNDERDECK AND ABOVE DECK LIGHTING.

H. REINSTALL STEEL CANOPY STRUCTURES.

NOTES

1. FOR RAILROAD NOTES, SEE DWGS. G-5 AND G-6

 <p>New York City Department of Design & Construction 30-30 Thomson Avenue Long Island City, New York, 11101</p>	
 <p>City of New York Parks & Recreation The Arsenal Central Park New York, New York 10065</p>	
PROJECT TITLE	
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE	
DRAWING TITLE	
STRUCTURAL NOTES AND SCOPE OF WORK	
DESIGNED BY	CHECKED BY
	Q. HASHMI
DRAWN BY	CONTRACT NO.
K. WALKER	HBPED700Q
SCALE	DRAWING NO.
NTS	G-3
DATE	SHEET NO. 4 OF 58 SHEETS
12/18/14	

PREPARED BY:

	
Joint Venture	
Q. HASHMI	DATE:
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX	

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		5	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

NOTES

- FOR STRUCTURAL NOTES AND SCOPE OF WORK SEE DWG. G-3
- FOR RAILROAD NOTES, SEE DWGS. G-5 AND G-6

24. SPECIAL NOTES

- 24.01 ALL COMMUNICATIONS AND COORDINATION MEETINGS RELATIVE TO THIS PROJECT BETWEEN THE CONTRACTOR AND ANY AGENCY, UTILITY COMPANY OR ORGANIZATION WILL BE CONDUCTED AND/OR APPROVED BY THE ENGINEER.
- 24.02 NEW YORK CITY MAINTENANCE NOTE:
ALL WORK DONE UNDER THIS CONTRACT WHEN COMPLETED WILL BE MAINTAINED BY THE CITY OF NEW YORK IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION AGREEMENT WITH THE CITY OF NEW YORK FOR MAINTENANCE OF IMPROVEMENTS OF THE STATE ARTERIAL HIGHWAYS SYSTEM FUNDED UNDER THE NEW YORK FAUS. TOPICS, TITLE II PROGRAMS DATED FEBRUARY 3, 1977, OR ANY OTHER FEDERAL AID MADE AVAILABLE BY TITLE 23, U.S.C.
- 24.03 IT IS SUGGESTED THAT THE CONTRACTOR INSPECT THE SITE BEFORE BIDDING TO ASSESS AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND THE EXTENT AND NATURE OF THE WORK TO BE DONE UNDER THIS CONTRACT AND THE EQUIPMENT AND METHODS HE/SHE WILL NEED TO EMPLOY.
- 24.04 THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT A PART OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT IS OVER PROPERTIES OWNED AND CONTROLLED BY OTHER NEW YORK CITY AGENCIES AND THE LONG ISLAND RAILROAD. IT IS THEREFORE MANDATORY THAT THEIR STRUCTURES SHALL BE PROTECTED AND SHALL BE KEPT IN SERVICE AT ALL TIMES, AND ALL PRECAUTIONARY RULES AND REGULATIONS SHALL BE STRICTLY MAINTAINED TO PROVIDE ACCESS TO THEIR PROPERTIES. PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL SUBMIT TO NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION HIS/HER PROPOSED METHOD OF REMOVAL AND PROTECTIVE MEASURES, AND THE CONTRACTOR SHALL OBTAIN FROM THE NEW YORK CITY BUILDING DEPARTMENT, NEW YORK CITY DEPARTMENT OF PARKS AND RECREATION, LONG ISLAND RAILROAD AND METRO TRANSIT AUTHORITY ALL NECESSARY PERMITS OF THESE METHODS AND MEASURES.
- 24.05 IN ORDER TO COMPLETE THE WORK WITHIN THE PRESCRIBED SCHEDULE AND TO MINIMIZE ANY INCONVENIENCE TO MOTORISTS, PEDESTRIANS AND THE PUBLIC, THE CONTRACTOR MUST ADHERE TO THE PROCEDURES AS SPECIFIED ON THE PLANS.
- 24.06 ALL MATERIALS REMOVED AND NOT DESIGNATED TO BE REUSED SHALL BE DISPOSED OF AWAY FROM THE SITE BY THE CONTRACTOR AT HIS/HER OWN EXPENSE UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE ENGINEER.
- 24.07 THE WORK SHALL INCLUDE THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, INSURANCE AND INCIDENTALS REQUIRED FOR SATISFACTORY COMPLETION OF THE PROJECT WITHIN THE PRESCRIBED SCHEDULE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND DIRECTIONS OF THE ENGINEER.

25. DRAINAGE WORK

- 25.01 CATCH BASINS IN THE PROJECT AREA SHALL BE MAINTAINED OPERABLE AT ALL TIMES. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID SLOGGING CATCH BASINS WITH DEBRIS DURING THE CONTRACTOR'S OPERATIONS. EROSION CONTROLS SUCH AS SILT SACKS OR OTHER METHODS/DEVICES OUTLINED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT IF, AS A RESULT OF CONSTRUCTION, A FLOODING CONDITION OCCURS OR IN THE EVENT THE CONTRACTOR'S OPERATIONS DAMAGE OR BLOCK THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE IMMEDIATELY REPAIR OR RESTORE THE DRAINAGE SYSTEM AS DIRECTED BY THE ENGINEER.

26. OTHER UTILITIES WORK

- 26.01 THE CONTRACTOR IS ALERTED TO THE RULES AND REGULATIONS OF THE NEW YORK STATE INDUSTRIAL CODE RULE 53 AND IS DIRECTED TO COMPLY. THE CITY SHALL NOT BE LIABLE FOR ANY COSTS INCURRED BY THE CONTRACTOR AS A RESULT OF THE COMPLIANCE, NON-COMPLIANCE, OR IMPROPER COMPLIANCE BY THE FRANCHISED OPERATORS OF UNDERGROUND FACILITIES, WITH SUB-PART 53-3 OF RULE 53 OF THE INDUSTRIAL CODE.

27. DUST CONTROL

- 27.01 DURING THE PROGRESS OF WORK UNDER THIS CONTRACT, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH AND APPLY WATER AND/OR CALCIUM CHLORIDE FOR THE PURPOSE OF ALLAYING DUST CONDITIONS. MATERIALS TO BE USED, AREA TO BE COVERED, AND TIME AND RATE OF APPLICATION SHALL BE AS DIRECTED BY THE ENGINEER. EQUIPMENT USED SHALL BE CAPABLE OF A UNIFORM APPLICATION OVER THE SURFACE TO BE COVERED. THERE WILL BE NO SEPARATE PAYMENT OF THIS WORK BUT THE COST THEREOF IS DEEMED TO BE INCLUDED IN VARIOUS ITEMS OF WORK.
- 28.02 ALL PERSONS CONSTRUCTING OR OPERATING A LARGE ARTICLE, MACHINE, DEVICE, EQUIPMENT, SUCH AS A ROCK CRUSHER, OR OTHER CONTRIVANCE OR FACILITY CAPABLE OF CAUSING OR PERMITTING EMISSION OF DUST INTO THE ATMOSPHERE AT A CONSTRUCTION SITE SHALL KEEP ON SITE A DOCUMENT DETAILING SUCH EQUIPMENT. INFORMATION PROVIDED ON THIS DOCUMENT SHALL INCLUDE THE OWNERSHIP, LOCATION, DESIGN, MAKE AND MODEL, OPERATION, I.E. HOW DOES IT OPERATE, AS WELL AS ANY OTHER PERTINENT INFORMATION REQUESTED BY THE DEPARTMENT. IN ADDITION, THE MEASURES UTILIZED TO REDUCE DUST EMISSIONS RESULTING FROM THE USE OF THESE ITEMS AS SET FORTH IN 15 RCNY 13-01 ET SEQ. SHALL BE CLEARLY OUTLINED. THIS DOCUMENT SHALL BE ATTACHED AS AN ADDENDUM SHEET TO THE NOISE MITIGATION PLAN PREPARED PURSUANT TO SECTION 24-220 OF THE NOISE CODE.

29. PERMITS, LAWS AND NOTICES

- 29.01 THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE, OBTAIN ALL NECESSARY PERMITS, ISSUE ALL REQUIRED NOTICES, PAY ALL LEGAL FEES AND COMPLY WITH ALL FEDERAL, STATE AND MUNICIPAL LAWS, ORDINANCES, AND REGULATIONS, REQUIRED FOR THIS CONTRACT. ALL OF WHICH SHALL BE PERFORMED OR FURNISHED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE CITY. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES OR PENALTIES AS REQUIRED BY THE AGENCIES DUE TO RE-ISSUANCE OR EXPIRATION OF PERMITS.

30. EMERGENCY CONTACT PERSON

- 30.01 THE CONTRACTOR SHALL DESIGNATE A REPRESENTATIVE TO BE AVAILABLE TO RESPOND TO EMERGENCY CALLS. THE NAME OF THE PERSON AND THE TELEPHONE NUMBER AT WHICH HE/SHE CAN BE REACHED AT ANY TIME SHALL BE GIVEN TO THE ENGINEER, AND ALL POLICE AGENCIES IN THE AREA. SUCH PERSONS SHALL HAVE FULL AUTHORITY AND CAPABILITY TO MOBILIZE FORCES PROMPTLY AS REQUIRED TO RESPOND TO AN EMERGENCY AND TO PROTECT THE PUBLIC.

31. CONTRACTOR/SITE MAINTENANCE

- 31.01 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURE STORAGE OF MATERIALS WHICH ARE KNOWN THROUGH THE ORDINARY COURSE OF BUSINESS

AND EXPERIENCE IN THE TRADE TO BE FLAMMABLE, TOXIC OR OTHERWISE HARMFUL. IN ADDITION, THE CONTRACTOR SHALL EXERCISE DUE DILIGENCE AND REASONABLE CARE TO ENSURE THAT SUCH HAZARDOUS MATERIALS ARE UTILIZED SAFELY, IN A MANNER CONSISTENT WITH THE MANUFACTURER'S INTENDED PURPOSE.

- 31.02 THE CONTRACTOR IS PLACED ON NOTICE THAT HE/SHE SHALL BE REQUIRED TO PROVIDE A SAFE AND CLEAN SITE THROUGHOUT ALL PHASES OF THE WORK AND DURING ALL OF HIS OPERATIONS, AND FURTHER THAT THE MONITORING BY THE CITY OF THE CONTRACTOR'S SITE MAINTENANCE, SITE PROTECTION AND SITE CLEAN UP IS CONSIDERED FOR THE PURPOSES OF THE CONTRACT TO BE A PROJECT OBJECTIVE NECESSARY TO ELIMINATE AND/OR MITIGATE PUBLIC DISRUPTION AND INCONVENIENCE, AND TO INSURE PUBLIC HEALTH AND SAFETY. THE CONTRACTOR SHALL THEREFORE, AT ALL TIMES, CONDUCT THIS OPERATION IN A MANNER WHICH PROMOTES A CLEAN SITE AND INSURES THE CONVENIENCE, SAFETY AND HEALTH OF GENERAL USERS CONSISTING OF, BUT NOT LIMITED TO, THE MOTORIST, THE PEDESTRIAN AND THE ADJUTING PROPERTY OWNERS/TENANTS, AS WELL AS THOSE OF HIS OWN EMPLOYEES.

- 31.03 IMMEDIATELY AFTER THE COMPLETION OF THE CONTRACT AND BEFORE FINAL ACCEPTANCE OF THE WORK BY THE DEPARTMENT, THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL, TEMPORARY STRUCTURES, AND DEBRIS RESULTING FROM HIS OPERATIONS. THE ENTIRE AREA SHALL BE CLEARED AND LEFT IN A NEAT PRESENTABLE MANNER TO THE SATISFACTION OF THE COMMISSIONER.

32. CONTRACTOR'S STAGING AREA

- 32.01 NO SUGGESTED CONSTRUCTION STAGING AREA IS SHOWN. THE CONTRACTOR SHALL DETERMINE A SUITABLE LOCATION FOR THE STAGING AREA IN CONFORMANCE WITH COMMUNITY BOARDS. NO DIRECT PAYMENT WILL BE MADE FOR THE STAGING AREA. THE CONTRACTOR SHALL INCLUDE PAYMENT UNDER THE VARIOUS ITEMS IN THE CONTRACT.

33. DATUM, SURVEY AND MONITORING

- 33.01 SEE PLANIMETRIC AND TOPOGRAPHICAL SURVEY DRAWINGS FOR HORIZONTAL AND VERTICAL DATUM REFERENCES.
- 33.02 THE CONTRACTOR SHALL PROVIDE SURVEY TO LAYOUT AND MAINTAIN CONTROL POINTS AND GRADE STAKES FOR THE PROPOSED WORK. THE SURVEYOR SHALL SET CONTROL POINTS AND GRADE STAKES, PROPERLY MARKED, AT INTERVALS SPECIFIED BY THE CONSTRUCTION MANAGER. ALL CONTROL POINTS AND GRADE STAKES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF WORK. CONTROL POINTS AND GRADE STAKES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
- 33.03 THE EXISTING CONDITIONS SHOWN WERE BASED ON A TOPOGRAPHIC SURVEY PERFORMED DURING PRE-SCOPING DOCUMENTS PREPARATION, NOVEMBER 2013.
- 33.04 EXISTING UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN DETERMINED BY STANDARD SURVEYING METHODS AND AVAILABLE RECORDS. UTILITY INFORMATION PROVIDED ON THE CONTRACT DRAWINGS MAY NOT BE COMPLETE AND IS NOT GUARANTEED TO BE CORRECT. LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THE PLANS, ARE BASED ON INFORMATION AVAILABLE WHEN THESE PLANS WERE PREPARED AND SHOULD BE CONSIDERED APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.

34. CONSTRUCTION EQUIPMENT

- 34.01 IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TYPE, SIZE AND WEIGHT OF ALL VEHICLES TO BE USED SAFELY ON THE STRUCTURES DURING CONSTRUCTION. THIS DETERMINATION SHALL BE BASED ON THE CONDITION OF THE EXISTING STRUCTURE AND BE DONE PRIOR TO THE PLACEMENT OF THE CONTRACTOR'S EQUIPMENT. THIS DETERMINATION SHALL BE MADE BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER EMPLOYED AND PAID FOR BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. APPROVAL BY THE ENGINEER IN NO WAY RELIEVES THE CONTRACTOR OF HIS RESPONSIBILITIES. THE COST FOR REPAIRS OR SHORING TO IMPROVE THE CONDITION OF THE STRUCTURE TO ALLOW FOR THE CONTRACTOR'S EQUIPMENT SHALL BE BORNE BY THE CONTRACTOR.

35. ENVIRONMENTAL NOTES

- 35.01 DISCHARGE OF ANY WASTE WATER TO THE ENVIRONMENT IS NOT PERMITTED. ALL DISCHARGES MUST BE PROPERLY MANAGED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. IN ORDER TO DISCHARGE TO THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION SEWER SYSTEM, A DISCHARGE PERMIT FROM THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION IS REQUIRED. DISCHARGE TO A WATERWAY, ANY AREA WHERE SURFACE OR GROUND WATER CAN BE IMPACTED, GROUNDWATER, ETC. REQUIRES A STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION. THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION WILL REQUIRE COLLECTION AND ANALYSIS OF ANY CONCRETE WASH WATER, CONCRETE LEACHATE, WASTE WATER, DREDGE WATER, LIQUIDS, ETC. PRIOR TO DISCHARGE. ANY WASTE WATER NOT MEETING THE DISCHARGE STANDARDS, OR IF A DISCHARGE OR STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT IS NOT AVAILABLE, MUST BE TRANSPORTED AND DISPOSED OF OFF SITE AT A LICENSED AND APPROVED TREATMENT, STORAGE, DISPOSAL FACILITY.
- 35.02 ALL WASTE FROM CONCRETE OPERATIONS MUST BE MANAGED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. DISCHARGE OF CONCRETE WASHOUT WATER AND LEACHATE TO THE GROUND, WATERWAYS, GROUNDWATER, STORM SEWER, OR COMBINED SEWER IS NOT PERMITTED. CONCRETE WASHOUT WATER FROM MIXER TRUCKS SHALL BE COLLECTED AND EITHER ALLOWED TO EVAPORATE FROM MUD BINS, CONTAINERS, ETC.; RETURNED TO THE CONCRETE BATCH PLANT FOR TREATMENT; OR TREATED ON-SITE FOR DISCHARGE INTO THE SEWER SYSTEM IN ACCORDANCE WITH STANDARDS SET FORTH IN A SITE SPECIFIC NYCDEP DISCHARGE PERMIT.
- 35.03 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING UNIVERSAL WASTE GENERATED ON THE PROJECT. UNIVERSAL WASTE CONSISTS OF LIGHT BULBS/LAMPS, BATTERIES, AND MERCURY-CONTAINING EQUIPMENT. UNIVERSAL WASTE MUST BE MANAGED IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGULATIONS AND NEW YORK CITY DEPARTMENT OF TRANSPORTATION REQUIREMENTS.
- 35.04 IF THE CONTRACTOR USES ANY DIESEL-POWERED NON-ROAD VEHICLE, FIFTY HORSEPOWER AND GREATER, THAT IS OWNED BY, OPERATED BY, OR ON BEHALF OF, OR LEASED BY A CITY AGENCY, SAID VEHICLE SHALL BE POWERED BY ULTRA-LOW SULFUR DIESEL FUEL AND SHALL UTILIZE THE BEST AVAILABLE TECHNOLOGY FOR REDUCING THE EMISSION OF POLLUTANTS, AS PER LOCAL LAW 77 OF 2003.

36. FIELD CONDITIONS

- 36.01 NO VEHICLES ARE ALLOWED ON THE BRIDGE.
- 36.02 THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SUBSECTION 202-3.01 GENERAL AND SAFETY REQUIREMENTS. A REMOVAL PLAN,

SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO THE BEGINNING OF DEMOLITION.

- 36.03 LIMITS AND METHODS FOR REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.05 AND 574 OF THE STANDARD SPECIFICATIONS. PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING ENVIRONMENTAL GROUND PROTECTION. WASTE SHALL BE DISPOSED OF APPROPRIATELY. REFER TO SUBSECTION 107-05 FOR SAFETY AND HEALTH REQUIREMENTS.
- 36.04 DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED. IF MATERIAL FALLS IN THE AREA BELOW AND ADJACENT TO THE BRIDGE, IT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR IMMEDIATELY.
- 36.05 ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- 36.06 DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THE PLANS ARE FOR GENERAL REFERENCE ONLY. THE CONTRACTOR SHALL TAKE ALL SUCH FIELD MEASUREMENTS TO ASSURE THE PROPER FIT OF THE FINISHED WORK. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR REVIEW AND APPROVAL, THE FIELD MEASUREMENTS MADE SHALL BE INDICATED ON THE SHOP DRAWINGS FOR REFERENCE OF THE REVIEWER.
- 36.07 ALL VOIDS CREATED BY THE REMOVAL OF EXISTING SUBSURFACE STRUCTURES WILL BE BACKFILLED WITH SUITABLE UNCLASSIFIED EXCAVATION MATERIAL AS DIRECTED BY THE ENGINEER. IF NO SUITABLE UNCLASSIFIED EXCAVATION MATERIAL IS AVAILABLE IN THE OPINION OF THE ENGINEER, THE CONTRACTOR WILL PROVIDE SATISFACTORY SOIL MATERIAL MEETING THE REQUIREMENTS OF THE SPECIFICATIONS FOR THE USE AS BACKFILL. ALL EXCAVATION WILL COMPLY WITH N.Y.S. INDUSTRIAL CODE 53 AND OSHA REQUIREMENTS.
- 36.08 EXCAVATION BELOW PLANNED FOOTING ELEVATIONS WILL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE CONSTRUCTION MANAGER. BACKFILL OF UNAUTHORIZED EXCAVATIONS BELOW OR BEYOND LIMITS SHOWN ON THE PLANS WILL NOT BE PAID.
- 36.09 CARE SHALL BE EXERCISED IN EXCAVATING FOR STRUCTURE REMOVAL AND NEW CONSTRUCTION. THE METHOD OF REMOVAL SHALL BE SIZE AND SPACING OF STRUCTURAL MEMBERS AND CONSTRUCTION DETAILS SHOWN ON THE DRAWINGS OF THE EXISTING BRIDGE MAY NOT ACCURATELY REFLECT EXISTING CONDITIONS.
- 36.09 THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS OPERATIONS TO THE EXISTING TRACKS THAT ARE TO REMAIN IN SERVICE. ALL DAMAGE TO THE EXISTING TRACKS TO REMAIN IN SERVICE SHALL BE REPAIRED OR REPLACED BY THE RESPECTIVE RAILROAD OWNERS (LIRR OR NYCT).
- 36.10 THE CONTRACTOR SHALL EXERCISE CARE IN REMOVAL OPERATIONS SO AS NOT TO UNDULY DISTURB UNDERLYING MATERIALS THAT ARE TO REMAIN IN PLACE. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS THAT ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE RAILROAD, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS THAT ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE RAILROAD, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER.

- 36.11 THE COST OF DESIGNING, FURNISHING, INSTALLING, MAINTAINING, REMOVING, AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS AND OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE LUMP SUM BID PRICE.
- 36.12 CARE SHALL BE TAKEN TO RETAIN NATURAL GROWTH AND PREVENT DAMAGE TO TREES WITHIN AND OUTSIDE THE LIMITS OF CONSTRUCTION, AND NOT SCHEDULED FOR REMOVAL. ANY DAMAGE CAUSED TO THIS NATURAL GROWTH SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
- 36.13 THE CONTRACTOR SHALL SUBMIT A REMOVAL PLAN SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, TO THE ENGINEER FORTY FIVE (45) DAYS PRIOR TO BEGINNING THE DEMOLITION.
- 36.14 BLASTING OR OTHER METHODS THAT CAUSE SIGNIFICANT VIBRATIONS AS DETERMINED BY THE ENGINEER ARE NOT PERMITTED.
- 36.15 THE CONTRACTOR SHALL MAINTAIN OSHA, NYCTA, AND LIRR REGULATED DISTANCES TO ALL OVERHEAD POWER LINES AND EXISTING TRACKS DURING EXISTING SUPERSTRUCTURE REMOVAL, EXCAVATION, CONCRETING, AND INSTALLATION OF THE NEW STRUCTURE.
- 36.16 REFER TO THE HAZARDOUS MATERIALS SURVEY FOR INFORMATION REGARDING CONFIRMED OR SUSPECTED ASBESTOS CONTAINING MATERIALS AND LEAD PAINT ON THE EXISTING BRIDGE AND SUBSTRUCTURES.
- 36.17 UNDERGROUND UTILITIES WERE LOCATED FROM FIELD SURVEY INFORMATION AND RECORD DRAWINGS. SEE ADDITIONAL NOTES ON SURVEY AND UTILITY DRAWINGS.
- 36.18 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE FOLLOWING DIMENSIONS IN THE FIELD PRIOR TO THE FABRICATION OF NEW SUPERSTRUCTURE COMPONENTS:

- A. EXISTING SPAN LENGTHS (CHECK AT MULTIPLE APPROPRIATE POINTS)
- B. EXISTING LENGTHS OF STRINGERS

- 36.19 IF THE CONTRACTOR PERFORMS WORK AT TIMES WHEN OR IN THE AREAS WHERE THE NATURAL ILLUMINATION IS LESS THAN 4 FOOTCANDLES, THE WORK SITE SHALL BE ILLUMINATED. THE CONTRACTOR SHALL SUPPLY A MOBILE LIGHT TOWER AND FLOOD LIGHT EQUIPMENT FOR EACH SEPARATE OPERATION. SATISFACTORY ILLUMINATION SHALL BE CONSIDERED TO BE THAT WHICH SHEDS A MINIMUM OF 4 FOOTCANDLES OVER THE AREA SPECIFIED BY THE ENGINEER.
- 36.20 THE CONTRACTOR SHALL INSTALL NETTING OR SHIELDING, DESIGNED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, TO PREVENT DEBRIS FROM FALLING ONTO THE ROADWAY.
- 36.21 DURING REMOVAL OPERATIONS THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP DEBRIS OR OTHER MATERIAL TO THE AREA BELOW THE STRUCTURE. PLATFORMS, NETS, SCREENS, SHIELDS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- 36.22 IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND ARRANGE HIS CONSTRUCTION SCHEDULE WITH OTHER CONTRACTORS WORKING IN THE PROJECT VICINITY IN A WAY THAT IT WILL NOT DISRUPT OR INTERFERE WITH THE WORKABILITY OF THE MPT PLANS.

- 36.23 FOR ADDITIONAL INFORMATION SEE "SPECIAL PROVISIONS" OF THE SPECIFICATIONS, GENERAL NOTES, HIGHWAY NOTES AND UTILITY NOTES CONTAINED ELSEWHERE IN THIS CONTRACT.

37. LEAD PAINT REMOVAL

- 37.01 THE CONTRACTOR SHALL ASSUME THAT ALL EXISTING STEEL STRUCTURAL ELEMENTS AND UTILITIES, BOTH ON THE BRIDGE AND WITHIN THE PROJECT LIMITS, CONTAIN LEAD-BASED PAINT. THEREFORE, ALL PAINT REMOVAL WASTE RESULTING FROM THE CONTRACTOR'S DEMOLITION AND REMOVAL OF THE EXISTING ENCASED (AND NON-ENCASED) STEEL SHALL BE TREATED, HANDLED, AND DISPOSED OF AS HAZARDOUS WASTE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL RULES AND REGULATIONS.
- 37.02 THE CONTRACTOR SHALL PLAN AND EXECUTE HIS DEMOLITION/REMOVAL OPERATIONS IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 202-3.05.
- 37.03 THE TREATMENT, HANDLING, AND DISPOSAL OF ALL PAINT REMOVAL WASTE SHALL BE DONE IN ACCORDANCE WITH SECTION 571, AND WILL BE PAID UNDER ITEM 571.03.
- 37.04 THE CONTRACTOR MAY USE ANY NYSDOT APPROVED CONTAINMENT SYSTEM AND REMOVAL METHOD, OR POWER TOOL CLEANING WITH VACUUM, WHICH WILL BE PAID FOR UNDER ITEMS 574.030001 AND 574.030002.
- 37.05 THE COST OF LEAD PAINT REMOVAL, AS REQUIRED, IS TO BE INCLUDED IN THE PRICE BID FOR DEMOLITION/REMOVAL OF THE RESPECTIVE EXISTING STEEL. THERE SHALL BE NO SEPARATE ADDITIONAL PAYMENTS MADE TO THE CONTRACTOR FOR THIS WORK.

38. RAILROAD PROTECTIVE SHIELD

- 38.01 TEMPORARY SUPPORT MAY BE PLACED IN DIRECT CONTACT WITH THE LIRR/NYCT STRUCTURES ONLY IF THE SAID 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 THE NYCT/LIRR.
- 38.02 IF SHIELDS ARE TO BE INSTALLED TO PROTECT RAILROAD FACILITIES AND/OR THE PUBLIC, PLANS SHOWING THE LOCATION, TYPE, AND METHOD OF ATTACHMENT TO THE TRANSIT STRUCTURE MUST BE SUBMITTED TO LIRR/NYCT FOR APPROVAL.
- 38.03 ALL LUMBER AND PLYWOOD USED FOR PROTECTION OF SUBWAY FACILITIES MUST BE FIRE RETARDANT.
- 38.04 BURNING OF, WELDING TO, OR DRILLING THROUGH EXISTING STEEL STRUCTURES WILL NOT BE PERMITTED EXCEPT AS SHOWN ON DRAWINGS OR APPROVED BY THE ENGINEER.
- 38.05 TEMPORARY CONSTRUCTION SHEDS, BARRICADES, OR PLYWOOD PARTITIONS MUST BE A MINIMUM OF 5.0 FEET FROM EDGE OF FINISHED PLATFORM.

39. SURVEY BENCHMARK REFERENCE

- 39.01 B.M. 4761 ROOSEVELT AVE. AND 108TH ST., SOUTHEAST CORNER, 3 STY. BRICK APARTMENT AND STORES, #108-04, B.M. A SQUARE CUT ON SOUTH END OF BLUESTONE DOORSILL OF APARTMENT ENTRANCE, EL. 52.758
- 39.02 B.M. 4762 ROOSEVELT AVE., SOUTH SIDE, BETWEEN 114TH ST. AND WILLETS POINT BLD. 2 STY. BRICK I.R.T. SUB-STATION, #28, B.M. AN ANGLE CUT ON THE NORTHEAST CORNER OF GRANITE WALL ENCLOSING VENTILATOR, EL. 13.859

40. ELECTRICAL NOTES

- 40.01 ALL LIGHTING INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SHEETS, PLANS, AND THE GENERAL SPECIFICATIONS FOR STREET LIGHTING FACILITIES CONTAINED IN THE PUBLICATION CITY OF NEW YORK SPECIFICATIONS.
- 40.02 CONDUIT IN ALL BOXES SHALL BE BONDED AS PER NYC DIVISION OF STREET LIGHTING STANDARD DRAWINGS E-2622 AND H-5019.
- 40.03 ELECTRICAL INSTALLATION SHALL CONFORM TO PROVISION OF THE NATIONAL ELECTRIC SAFETY CODE (NEC), NYC CODES, AND OSHA, WHERE CODES CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL APPLY, AS ORDERED BY THE ENGINEER.
- 40.04 ALL ELECTRICAL MATERIALS AND EQUIPMENT FOR WHICH THERE ARE ESTABLISHED UNDERWATER LABORATORIES INC. ("UL") STANDARDS SHALL BEAR THE "UL" LABEL.
- 40.05 CON EDISON CO. MUST BE NOTIFIED IN WRITING BY THE CONTRACTOR A MINIMUM OF 90 DAYS IN ADVANCE OF ANY WORK THAT WILL AFFECT THEIR ELECTRICAL FACILITIES. THE CONTRACTOR SHALL COORDINATE ALL OF HIS ACTIVITIES WITH THE CON EDISON FIELD REPRESENTATIVE, ESPECIALLY THE PROVISION AND CONNECTION OF THE NEW ELECTRIC SERVICES.
- 40.06 THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES OR AGENCIES 72 HOURS IN ADVANCE OF ANY WORK WHICH MAY AFFECT EQUIPMENT BELONGING TO THEM.
- 40.07 LIGHT FIXTURES UNDER THE BRIDGE SHALL BE LED, CATALOG NUMBER QT700-R37, MANUFACTURED BY QUANTA OR APPROVED EQUAL.
- 40.09 ALL EXISTING JUNCTION BOXES AND LIGHT FIXTURES REPLACED AS A RESULT OF INSTALLATION OF NEW LIGHT FIXTURES SHALL BE REMOVED.
- 40.10 ALL ELECTRICAL CONDUITS SHALL BE 1-1/2 INCH DIA PVC COATED GRS CONDUITS, UNLESS OTHERWISE NOTED.
- 40.11 ALL NEW LIGHT FIXTURES SHALL BE TAGGED WITH AN IDENTIFICATION NUMBER, SAR 11
- 40.12 NYC DOT'S LIGHTING-LEVELS AND UNIFORMITY GUIDELINES ARE BASED ON THOSE ESTABLISHED BY THE IES. ALL LIGHTING DESIGNS SHALL BE IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
- | LOCATION | AVERAGE ILLUMINANCE | ILLUMINANCE UNIFORMITY |
|--------------------------------|-----------------------------------|------------------------|
| ON BRIDGE | 5-10 LUX (0.46-0.93 FOOTCANDLES) | 4:1 |
| UNDER BRIDGE, PERIMETER ROAD | 6-9 LUX (0.56-0.84 FOOTCANDLES) | 4:1 |
| UNDER BRIDGE, NYCT MAINTENANCE | 12-18 LUX (1.11-1.67 FOOTCANDLES) | 6:1 |

PREPARED BY:

HAKS **WHIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI DATE: _____
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
SPECIAL NOTES

DESIGNED BY	DRAWN BY K. WALKER	CHECKED BY Q. HASHMI
SCALE NTS	DRAWING NO. G-4	CONTRACT NO. HBPED700Q
DATE 12/18/14		SHEET NO. 5 OF 58 SHEETS

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		6	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

LONG ISLAND RAIL ROAD NOTES

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO STANDARD SPECIFICATIONS, SECTION 1.06.50 'ADDITIONAL PROVISIONS OVER RAILROAD FACILITIES, SHALL GOVERN ALL WORK AFFECTING THE RAILROAD.
2. THE CONTRACTOR SHALL OBTAIN AND BE COGNIZANT OF THE RAILROAD'S SAFETY RULES AND REGULATIONS AND CONDUCT HIS OPERATIONS IN STRICT ACCORDANCE WITH THEM. THE CONTRACTOR, IN ADDITION TO HIS OWN AND THE STATE'S SAFETY RULES, MUST ABIDE BY LIRR'S SAFETY RULES WHILE WORKING ON OR NEAR LIRR FACILITIES. THE CONTRACTOR MUST OBTAIN A COPY OF THE SAFETY RULES FROM LIRR PRIOR TO STARTING WORK AT THE SITE; THE CONTRACTOR MUST ALSO UNDERGO SAFETY TRAINING PRIOR TO STARTING WORK.
3. ALL LIRR UTILITIES (LAMPPOSTS, LIGHTING CABLES, ETC.) SHALL BE RELOCATED/REMOVED, AS REQUIRED BY LIRR PRIOR TO CONSTRUCTION.
4. NAME OF RAILROAD

OWNER: METROPOLITAN TRANSPORTATION AUTHORITY (MTA)
OPERATOR: LONG ISLAND RAIL ROAD (LIRR)
5. CLASS OF RAILROAD: PORT WASHINGTON COMMUTER AND FREIGHT
6. NUMBER OF TRACKS: TWO (2) ELECTRIFIED
7. NUMBER OF TRAINS PER DAY: IN EXCESS OF 102 TRAINS PER DAY. IN ADDITION, THERE MAY BE OTHER UNSCHEDULED EQUIPMENT MOVES OR FREIGHT TRAINS ON ANY GIVEN DAY. PLEASE PROVIDE ACTUAL ANTICIPATED TRAIN.
8. MAXIMUM AUTHORIZED TRAIN SPEED: 60 MPH
9. LIRR WILL NOT RESTRICT TRAIN SPEEDS THROUGH THE PROJECT AREA DURING CONSTRUCTION.
10. ALL WORK, CONTRACTORS PERSONNEL OR EQUIPMENT LOCATED ON, BELOW, ABOVE, OR ADJACENT TO LIRR RIGHT-OF-WAY IS CONSIDERED TO BE IMPACTING LIRR UNLESS INDICATED OTHERWISE BY LIRR.
11. DURING REMOVAL AND REPLACEMENT OPERATIONS, THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR LIRR'S RIGHT-OF-WAY INCLUDING THE PLATFORM AREA UNDER THE BRIDGE, BY PROVIDING PROTECTIVE PLATFORMS, VERTICAL SHIELDS OR OTHER PROTECTIVE DEVICES TO THE SATISFACTION OF THE RAILROAD.
12. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:
 - A. SUBMIT A "PRELIMINARY" SCHEDULE OF WORK IMPACTING LIRR 14 DAYS PRIOR TO ANTICIPATED DATE OF IMPACT.
 - B. SUBMIT "FINAL" SCHEDULE 10 DAYS PRIOR TO START OF WORK.
 - C. SUBMIT "REVISED" SCHEDULES FOR INDIVIDUAL SEGMENTS OF WORK, AS OFTEN AS REQUIRED, 10 DAYS PRIOR TO START OF THAT ELEMENT OF WORK.
 - D. PROTECT EXISTING LIRR FACILITIES INCLUDING: SIGNAL, COMMUNICATIONS, HIGH TENSION ELECTRIC CABLES AND THIRD RAIL WHEREVER THEY MAY BE ENCOUNTERED.
 - E. PROVIDE LIRR WITH AS-BUILT DRAWINGS OF THAT PORTION OF THE PROJECT ON, OVER, UNDER AND CONTIGUOUS TO LIRR ROW ON CD-ROM USING AUTOCAD DWG FORMAT.
 - F. ADDRESS ALL ENTRY PERMIT RELATED CORRESPONDENCE TO:

MR. EDWARD MAINES
MANAGER - ENGINEER CONTRACTS AND AGREEMENTS
THE LONG ISLAND RAIL ROAD
97-59 183RD STREET, MAIL CODE 3146
HOLLIS, NEW YORK 11423
(718) 558-3536

OR

MS. DONNA DILL, P.E.
MANAGER - CIVIL INSPECTION
THE LONG ISLAND RAIL ROAD
97-59 183RD STREET, MAIL CODE 3143
HOLLIS, NEW YORK 11423
(718) 558-3218
 - G. ALL ROADWAY/STRUCTURAL WORK THAT HAS THE POTENTIAL TO ADVERSELY IMPACT THE LIRR'S PROPERTY OR OPERATIONS WILL REQUIRE THE SUBMITTAL OF DRAWINGS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE LIRR. WORK OF THIS NATURE INCLUDES BUT IS NOT LIMITED TO, PROTECTIVE SHIELDS, BARRIERS, CRANE OPERATIONS, DEMOLITION, ERECTION, TEMPORARY AND SUPPORT STRUCTURES.
 - H. ALL DRAWINGS AND CALCULATIONS PROVIDED MUST BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER (P.E.) LICENSED IN THE STATE OF NEW YORK. SUBMITTALS MUST BE PROVIDED AT LEAST 30 DAYS IN ADVANCE OF THE WORK TO BE PERFORMED FOR LIRR REVIEW AND ACCEPTANCE. THE ACCURACY OF THE SHOP DRAWINGS AND CALCULATIONS ARE THE RESPONSIBILITY OF THE PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE APPEAR

- ON THE SUBMISSIONS. ALTHOUGH THE LIRR REVIEWS THE SHOP DRAWINGS, PROCEDURES AND CALCULATIONS SUBMITTED, THIS DOES NOT RELIEVE THE SHOP THIS DOES NOT RELIEVE THE P.E. AND THE CONTRACTOR OF THEIR RESPONSIBILITIES FOR THE WORK PERFORMED.
13. SHIELD SHALL BE REQUIRED AND ERECTED OVER THE LIRR TRACKS TO PROTECT PROPERTY FROM FALLING ON TO THE TRACKS DURING DEMOLITION OF THE EXISTING BRIDGE DECK.
 - A. CALCULATIONS, DRAWINGS, DETAILS AND INSTALLATION PROCEDURE OF THE SHIELD SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK, AND MUST BE SUBMITTED TO LIRR FOR REVIEW AND ACCEPTANCE.
 - B. CLEARANCES:
MINIMUM VERTICAL CLEARANCE: 5.50 M (18'-3") FROM TOP OF RAIL TO UNDERSIDE OF SHIELD SHALL BE MAINTAINED AT ALL TIMES, UNLESS CLOSER CLEARANCES CURRENTLY EXIST.
 - C. MINIMUM HORIZONTAL CLEARANCE: 2.59 M FROM CENTERLINE OF TRACK TO FACE SHIELD. UNDER EXTENUATING CIRCUMSTANCES, THIS MAY BE REDUCED TO 2.44 M PENDING REVIEW AND ACCEPTANCE BY LIRR, AND ISSUANCE OF A GENERAL NOTICE. IF ACCEPTABLE, A GENERAL NOTICE WILL REQUIRE A MINIMUM OF 4 WEEKS LEAD TIME FROM THE DATE OF APPROVAL FOR ITS PREPARATION AND IMPLEMENTATION.
 - D. DESIGN LOAD:
HORIZONTAL SHIELDS: 5 KIP UNIFORM VERTICAL LOAD THROUGHOUT PLUS 200 KIP CONCENTRATED VERTICAL LOAD APPLIED TO PRODUCE MAXIMUM STRESSES. FOR STRINGER OR DECK DESIGN, THE 2 KIP CONCENTRATED LOAD MAY BE ASSUMED TO ACT OVER A MAXIMUM AREA OF 24 INCH X 24 INCH VERTICAL SHIELDS AND BARRIERS: 30 LBS/FT UNIFORM HORIZONTAL LOAD ACTING ON ALL VERTICAL SURFACES.
 14. CONDITIONS FOR WORKING OVER OR WITHIN TRACK AREA
 - A. WORK, CONSISTING OF ERECTION AND DISMANTLING OF THE PROTECTIVE SHIELD OR ANY LIFTING OPERATIONS WHICH CAN POTENTIALLY PENETRATE THE SHIELD, CAUSE STRUCTURAL DAMAGE OR FOUL ANY OF THE TRACKS WILL NOT BE PERMITTED DURING TRAIN PASSAGE. CONSTRUCTION OF THE SHIELD WILL GENERALLY BE PERMITTED BETWEEN THE HOURS OF 10:00 PM AND 4:00 AM SEVEN DAYS A WEEK, PENDING A 14 DAY MINIMUM ADVANCE NOTIFICATION AND APPROVAL. CRANE OPERATIONS AND SWINGS CANNOT BE PERFORMED OVER ANY TRACK IN SERVICE.
 - B. OUTSIDE OF THE HOURS INDICATED ABOVE, WORK INVOLVING CRANE LIFTS OR ANY OTHER WORK WHICH MAY POTENTIALLY PENETRATE THE SHIELD, DAMAGE THE SHIELD OR FOUL ANY TRACK WILL NOT BE PERMITTED.
 - C. DEMOLITION AND ERECTION WORK ABOVE THE SHIELD WILL GENERALLY BE PERMITTED BETWEEN THE HOURS OF 10:00 AM AND 3:00 PM MONDAY THROUGH FRIDAY, PENDING ADVANCED NOTIFICATION AND APPROVAL. OTHER PERIODS OF TIME AND DAYS MAY POSSIBLY BE ALLOWED WHEN THE DETAILS AND DURATIONS BECOME KNOWN AND APPROVED BY THE LIRR.
 - D. THE CONTRACTOR WILL BE PERMITTED TO WORK OVER THE TRACKS ONLY AFTER THE PROTECTIVE SHIELD IS IN PLACE. NO LIFTING OPERATION IS ALLOWED, EVEN WITH SHIELD IN PLACE, WITHOUT FLAG PROTECTION WITH THE EXCEPTION OF WORK THAT IS TO OCCUR BELOW THE PASSERELLE OVERPASS.
 - E. LIRR REQUIRES 24 HOURS ADVANCE NOTICE FOR FLAG PROTECTION FOR ANY WORK THAT HAS THE POTENTIAL TO ADVERSELY IMPACT THE LIRR'S OPERATIONS, INCLUDING OVER OR WITHIN LIRR R-O-W. THE LIRR WILL DETERMINE THE EXTENT OF FLAG PROTECTION NECESSARY FOR ANY GIVEN OPERATION. THE LIRR REQUIRES NOTICE TO CANCEL FLAG PROTECTION BE GIVEN NO LATER THAN 12:00 PM OF THE PRECEDING DAY.
 - F. ALL CONSTRUCTION ACTIVITY WITHIN THE SPAN SHALL CEASE WHEN TRAINS OR EQUIPMENT ARE APPROACHING, UNTIL TRAINS OR EQUIPMENT ARE CLEAR OF THE WORK ZONE. CONSTRUCTION ACTIVITY SHALL NOT RESTART UNTIL THE LIRR FLAG PERSONNEL GIVE PERMISSION TO RESUME. CONSTRUCTION ACTIVITY SHALL CEASE AT ANY TIME IF OR WHEN DIRECTED BY THE LIRR PERSONNEL.
 15. RAILROAD APPROVAL OF BRIDGE ERECTION AND DEMOLITION:

FOURTEEN (14) DAYS PRIOR TO ANY OPERATION REQUIRING THE USE OF CRANES, THE CONTRACTOR SHALL PROVIDE THE LIRR WITH THE FOLLOWING INFORMATION:

 - A. PLANS AND DETAILS SHOWING LOCATIONS OF CRANE OR CRANES, OPERATING RADII, DELIVERY LOCATIONS, PLACEMENT LOCATIONS AND DISPOSAL LOCATIONS, SHOW ALL POSSIBLE OBSTRUCTIONS

- AND POTENTIAL HAZARDS, INCLUDING, BUT NOT LIMITED TO OVERHEAD WIRES, AERIAL STRUCTURES, CURBS, BASINS, MANHOLES, FENCES, AND OTHER PHYSICAL FEATURES. SHOW WEIGHT OF PICKS, LOADS TRANSFERRED INTO SOIL, SOIL BEARING CAPACITY AND MAT DETAILS. SHOW HITCH AND RIGGING DETAILS INDICATING GEOMETRY AND CAPACITY OF BRIDGES, SHACKLES, EQUALIZERS, SLINGS, HITCHES, LIFTING INSERTS, EYES, ETC.
- B. CRANE RATING CHARTS AND ANALYSIS SHOWING THAT FOR EACH PICK, SWING AND RADII, THE CRANE HAS A CAPACITY IN EXCESS OF 150% OF ACTUAL LOAD.
 - C. CATALOG DATA SPECIFIC TO CRANES AND RIGGING TO BE USED.
 - D. PROCEDURES INDICATING THE SEQUENCE OF OPERATIONS, INCLUDING THE ORDER OF LIFTS AND ANY REPOSITIONING OR RE-HITCHING OF THE CRANE OR CRANES OR TEMPORARY SUPPORT OF ANY COMPONENTS.
 - E. CALCULATIONS SUBSTANTIATING ALL INFORMATION SHOWN MUST BE PREPARED, SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF NEW YORK.
 - F. PLANNED TIME SCHEDULE OF THE VARIOUS STAGES OF OPERATION AND THE OVERALL TIME FOR THE ENTIRE LIFTING PROCEDURES.
 - G. SUBMIT DOCUMENTATION WHICH ARE REQUIRED BY THE MUNICIPALITY IN WHICH THE WORK IS BEING PERFORMED, IF THE WORK IS BEING PERFORMED WITHIN NEW YORK CITY LIMITS. SUBMIT THE REQUIRED CERTIFICATE OF APPROVAL, CERTIFICATE OF OPERATION AND CERTIFICATE OF ON-SITE INSPECTION TO THE LIRR.
 - H. OPERATIONS JUDGED BY LIRR TO BE OF HIGH RISK CAN ONLY BE PERFORMED DURING DAYS AND PERIODS DESIGNATED BY LIRR (I.E. WEEKENDS AND NIGHTS).
16. LIRR WILL ASSIGN AN ADEQUATE LEVEL OF MANPOWER TO PROPERLY AND EFFICIENTLY MONITOR AND ACCOMMODATE THIS PROJECT, AS DETERMINED BY LIRR. THE ASSIGNMENT OF MANPOWER WILL NOT NECESSARILY BE LIMITED TO THE ACTUAL WORK SITE. FLAGGING PERSONNEL, THIRD RAIL, HIGH TENSION, MAINTENANCE OF WAY AND OTHER LIRR PERSONNEL MAY BE REQUIRED TO SUPPORT THE CONTRACTORS WORK LOCATIONS REMOTE FROM THE CONSTRUCTION SITE.
 17. FLAG PERSONNEL ARE ASSIGNED TO A PROJECT FOR THE SOLE PURPOSE OF PROTECTING LONG ISLAND RAIL ROAD'S CUSTOMERS, PROPERTY AND PERSONNEL. THESE FLAG PERSONNEL ARE GOVERNED BY WORK RULES AS PROVIDED FOR IN THEIR CONTRACTS WITH THE LIRR.
 18. THE CONTRACTOR IS MADE AWARE THAT THE FOLLOWING WORK RULES APPLY TO LIRR PERSONNEL; THEY ARE NOT INTENDED TO BE A DETAILED EXPLANATION OF EACH AND EVERY ASPECT OF WORK RULES, BUT ONLY A BRIEF DESCRIPTION OF HOW WORK RULES CAN BE EXPECTED TO IMPACT THIS PROJECT
 - A. FLAG PROTECTION IS REQUIRED FOR ALL WORK WITHIN 4.572 M (15') OR ABOVE LIRR TRACKS.
 - B. EIGHT HOURS IS THE MINIMUM FLAG PERSONNEL TOUR OF DUTY.
 - C. TIME IN EXCESS OF EIGHT HOURS IS CONSIDERED OVERTIME AND IS PAID AT A RATE OF TIME AND A HALF.
 - D. FLAG PERSONNEL ARE ONLY PERMITTED TO WORK UP TO 12 HOURS PER TOUR. SHOULD ADDITIONAL PROTECTION BE REQUIRED BEYOND THE INITIAL 12 HOURS, A REPLACEMENT WILL BE CALLED OUT, AND ALSO BE ENTITLED TO A MINIMUM TOUR OF EIGHT HOURS.
 - E. WHEN THE AVAILABILITY OF REGULAR FLAG PERSONNEL BECOMES EXHAUSTED, PERSONNEL ON RELIEF DAYS WILL BE UTILIZED AT A COST OF TIME AND A HALF.
 - F. FURTHER ASSISTANCE AND SPECIFIC QUESTIONS REGARDING FLAG PROTECTION CAN BE OBTAINED BY CONTACTING THE LIRR TRANSPORTATION DEPARTMENT AT (631) 893-2789.
 - G. FLAGGING REQUESTS MUST BE PLACED PRIOR TO 12:00 PM THE PREVIOUS DAY EXCEPT SUNDAY AND MONDAY COVERAGE WHICH MUST BE PLACED BY 12:00 PM THE PREVIOUS FRIDAY.
 19. RAILROAD CONTACT PERSON, ADDRESS AND TELEPHONE NUMBER:
 - A. CONTACT DONNA DILL, P.E., MANAGING ENGINEER - THIRD PARTY INSPECTIONS AT (718) 558-3218 FOR PROJECT RELATED INFORMATION.
 - B. CONTACT CAROL BERLINGIERI, MTA RISK AND INSURANCE MANAGER AT (646) 252-1429 REGARDING INSURANCE REQUIREMENTS.
 20. THE CONTRACTOR IS MADE AWARE OF THE FACT THAT EXISTING L.I.R.R. PLATFORM LIGHT POLES ARE LOCATED WITHIN WORK ZONE. CARE MUST BE TAKEN TO AVOID DAMAGE TO THESE POLES, CONTRACTOR TO COORDINATE WITH L.I.R.R. POWER DEPARTMENT REGARDING THE DISPOSITION OF THESE POLES.

21. THE EXISTING THIRD RAIL (750 VOLT) IS LOCATED AT TRACK LEVEL, THE CONTRACTOR MUST PROTECT THE RAIL FROM DAMAGE AND/OR ACCIDENTAL CONTACT DURING CONSTRUCTION.
22. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE EXISTING HIGH TENSION/TELEPHONE POLES AND SIGNAL HUT LOCATED ON THE WESTBOUND PLATFORM THE EXISTING POLES ARE UTILIZED TO CARRY POWER, SIGNAL AND COMMUNICATION LINES, EXTREME CAUTION MUST BE EXERCISED WHEN ANY CONSTRUCTION ACTIVITY (I.E. LIFTING) IS TO TAKE PLACE WITHIN THE GENERAL AREA. WHEN BRIDGE CONSTRUCTION AND EXCAVATION IS TO BE CONDUCTED IN THE VICINITY OF THE SIGNAL HUT, THE L.I.R.R. SIGNAL AND COMMUNICATION DEPARTMENTS MUST BE NOTIFIED THREE WEEKS IN ADVANCE TO DETERMINE IF CABLES ARE WITHIN THE PROPOSED CONSTRUCTION LIMITS.
23. ALL CONSTRUCTION ACTIVITY SHALL BE DONE SUCH THAT THERE WILL BE NO INTERFERENCE WITH ONCOMING TRAINS REGARDING THE VIEWING OF ALL SIGNALS WITHIN THE IMMEDIATE AREA.
24. FURNISHING OF LIRR PERSONNEL SHALL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILITY OF PAYMENT FOR DAMAGES CAUSED BY ITS OPERATION.
25. FOR ADDITIONAL RAILROAD NOTES, SEE DWG. G-6.

NOTES

1. FOR ADDITIONAL RAILROAD NOTES, SEE DWG. G-6

PREPARED BY:



Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:
12/18/14

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
LONG ISLAND RAIL ROAD NOTES

DESIGNED BY	DRAWN BY K. WALKER	CHECKED BY Q. HASHMI
SCALE NTS	DRAWING NO. G-5	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 6 OF 58 SHEETS	

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		7	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

NYC TRANSIT NOTES:

- ALL ROCK EXCAVATION ADJACENT TO THE TRANSIT STRUCTURE IS TO BE CHANNEL DRILLED TWO FEET BELOW SUBGRADE.
- 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.
- 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.
- 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 THE NYCT 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 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 TWO (2) INCHES PER SECOND.
- 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.
- IF ANY PORTION OF THE TA STRUCTURE OR FINISH IS DAMAGED, AS A RESULT OF THE CONTRACTOR'S OPERATIONS, 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 CONTRACTOR.
- 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 AS APPROVED BY NYCT.
- SUBWAY ENTRANCES (VENTILATORS, ETC.) ARE TO BE UNDERPINNED OR SHORED AND BRACED IF DIRECTED BY NYCT'S ENGINEER.
- 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.
- 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.
- ALL LUMBER AND PLYWOOD USED FOR PROTECTION OF SUBWAY

FACILITIES MUST BE FIRE RETARDANT.

- SUBWAY EMERGENCY EXITS MUST BE KEPT CLEAR AT ALL TIMES.
- BURNING OF, WELDING TO OR DRILLING THROUGH EXISTING STEEL STRUCTURES WILL NOT BE PERMITTED EXCEPT AS SHOWN ON DRAWINGS APPROVED BY NYCT.
- BUS OPERATIONS AFFECTED BY THE PROJECT WILL OR MAY REQUIRE COORDINATION. ARRANGEMENTS FOR BUS DIVERSIONS SHALL BE MADE THROUGH:

MS. SARAH WYSS
DIRECTOR, SHORT RANGE BUS SERVICE PLANNING
MTA NEW YORK CITY TRANSIT
2 BROADWAY, ROOM A17.50
NEW YORK, NY 10004
SARAH.WYSS@NYCT.COM

WHEN IMPACTING ANY BUS STOP, SPECIAL OPERATIONS MUST BE NOTIFIED 60 DAYS IN ADVANCE.
- 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 THERE TO 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.
- 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 TWO (2) INCH NOMINAL THICKNESS.

C. PRIOR TO THE START OF CONSTRUCTION OPERATIONS AFFECTING MANHOLES AND DUCT LINES, SEVEN DAYS NOTICE MUST BE GIVEN TO MR. JOHN MALVASIO, P.E., ANAGER, DEPARTMENT OF MAINTENANCE OF WAY, 130 LIVINGSTON STREET, ROOM 8044D, BROOKLYN, NY 11201 AT (718) 694-1358.
- CONSTRUCTION WORK DONE NEAR VENT GRATINGS AND HATCHES SHALL BE AS FOLLOWS:

A. UNLESS APPROVED BY THE 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 NYCT FOR APPROVAL.
- 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.

- TEMPORARY CONSTRUCTION SHEDS, BARRICADES OR PLYWOOD PARTITIONS MUST BE A MINIMUM OF FIVE (5) FEET FROM EDGE OF FINISHED PLATFORM.
- 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. JOHN MALVASIO, MANAGER, DEPARTMENT OF MAINTENANCE-OF-WAY, 130 LIVINGSTON STREET, BROOKLYN, NEW YORK, TELEPHONE (718) 694-1358 BEFORE THE START OF CONSTRUCTION.
- 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.
- 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 WITH MICROSTATION.DGN FORMAT OF "APPROVED AS-BUILTS" MUST BE PROVIDED TO NYCT FOR ITS RECORDS. FOR DETAILS OF SPECIFIC REQUIREMENTS CONTACT NYCT OUTSIDE PROJECTS.
- AT LEAST SEVEN WORKING DAYS PRIOR TO THE START OF CONSTRUCTION OPERATIONS, NOTIFICATION MUST BE GIVEN TO MR. JOHN 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.
- STEEL REPAIR WORK OVER NYCT FACILITIES MUST BE COORDINATED WITH

MR. ERSKINE BEST
CASEY STENGEL DEPOT
TRANSPORTATION BUILDING, 2ND FLOOR
123-53 WILLETS POINT BLVD.
CORONA, NEW YORK, NY 11368
PHONE NO. (347)694-1404
FAX NO. (347)694-1441
- FURNISHING OF NYCT PERSONNEL SHALL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILITY OF PAYMENT FOR DAMAGES CAUSED BY ITS OPERATION.
- FOR ADDITIONAL RAILROAD NOTES, SEE DWG. G-5.

NOTES

- FOR ADDITIONAL RAILROAD NOTES, SEE DWG. G-5

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
NEW YORK CITY TRANSIT NOTES

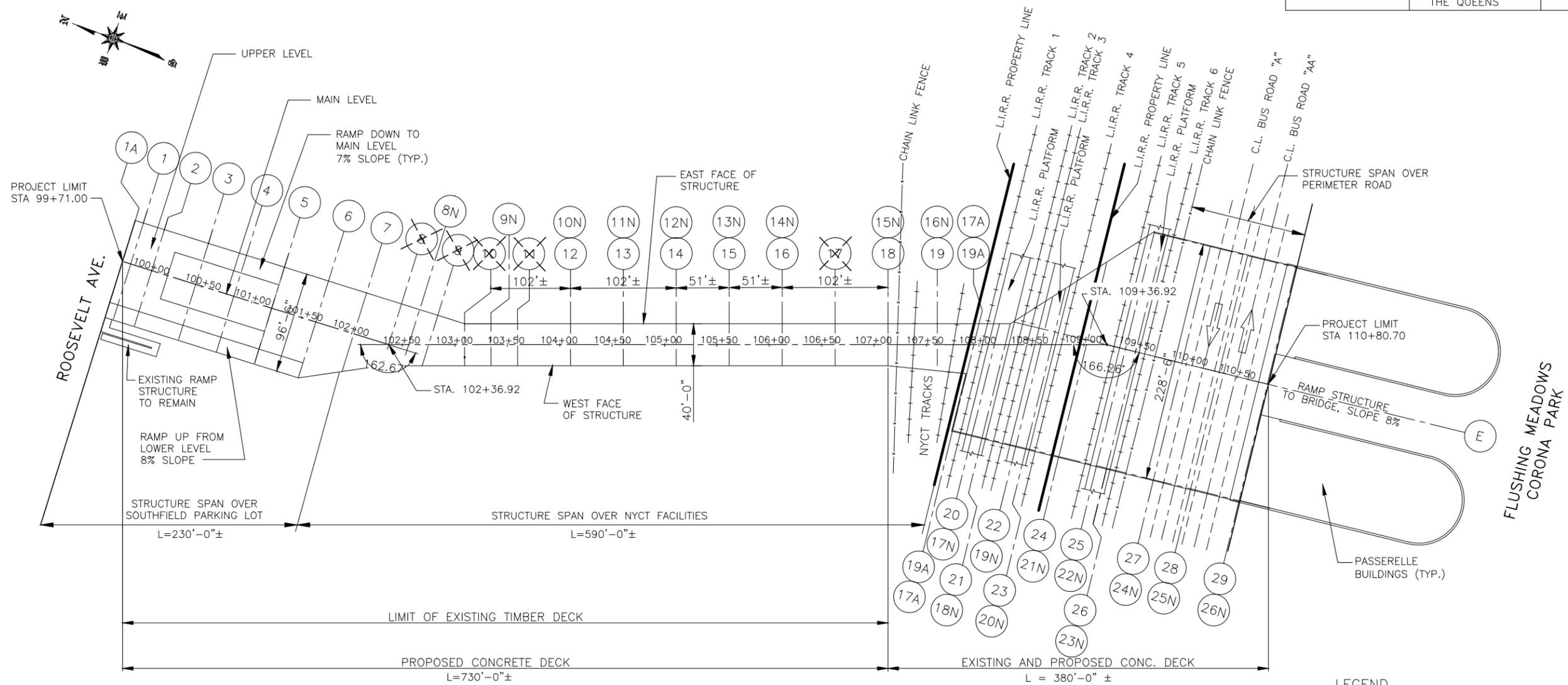
DESIGNED BY	DRAWN BY K. WALKER	CHECKED BY Q. HASHMI
SCALE NTS	DRAWING NO. G-6	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 7 OF 58 SHEETS	

PREPARED BY:

HAKS | **WIDLINGER ASSOCIATES® INC**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: _____



BENT LINE DESIGNATION			
OLD	NEW	OLD	NEW
NONE	1A	19	16N
1	1	19A	17N
2	2	20	18N
3	3	21	19N
4	4	22	20N
5	5	23	21N
6	6	24	22N
7	7	25	23N
8	REMOVED	26	24N
NONE	8N	27	25N
9	REMOVED	28	26N
10	REMOVED	29	27N
NONE	9N		
11	REMOVED		
12	10N		
13	11N		
14	12N		
15	13N		
16	14N		
17	REMOVED		
18	15N		



- LEGEND**
- EXISTING BENT/GRIDLINE REMOVED
 - PROPOSED BENT/GRIDLINE ADDED

- NOTES**
- FOR SCOPE OF WORK, SEE DWG. G-3
 - FOR ROW MAP, SEE DWG. G-8
 - FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
 - FOR DEMOLITION AND CONSTRUCTION STAGING PLANS, SEE DWGS. S-13 AND S-14
 - FOR BRIDGE DECK ELEVATION, SEE DWGS. S-1 THRU S-3

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City of New York Parks & Recreation

The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: KEY PLAN

DESIGNED BY	DRAWN BY	CHECKED BY
		Q. HASHMI
SCALE: NTS	DRAWING NO.: G-7	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 8 OF 58 SHEETS

PREPARED BY:

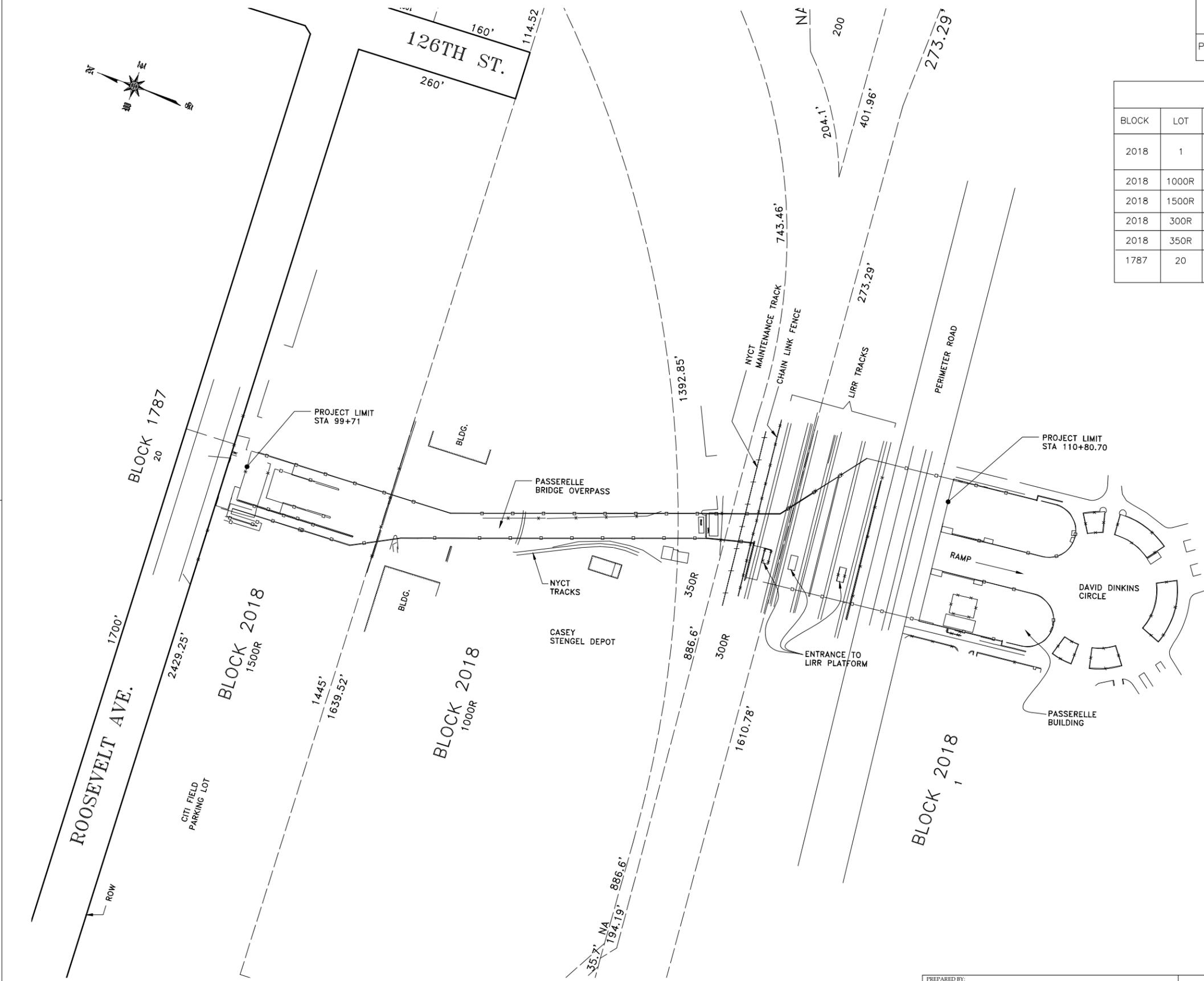
HAKS | **WHIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: _____

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		9	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

LIST OF PROPERTIES		
BLOCK	LOT	OWNER
2018	1	THE CITY OF NEW YORK THE UNITED STATES TENNIS ASSOCIATION NATIONAL TENNIS CENTER INC.
2018	1000R	NEW YORK CITY TRANSIT AUTHORITY
2018	1500R	THE BANK OF NEW YORK MELLON (LEASE)
2018	300R	LONG ISLAND RAIL ROAD
2018	350R	NEW YORK CITY TRANSIT AUTHORITY
1787	20	STERLING METS, L.P. JP MORGAN CHASE BANK, N.A.



LEGEND

- 1382 --- LOT LINE
- _____ ROW LINE

NOTES

1. FOR SCOPE OF WORK, SEE DWG. G-3
2. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
3. FOR DEMOLITION AND CONSTRUCTION STAGING PLANS, SEE DWGS. S-13 AND S-14

ROW PLAN
SCALE: 1" = 60'

PREPARED BY:
Joint Venture
 Q. HASHMI NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX DATE: _____

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 Long Island City, New York, 11101

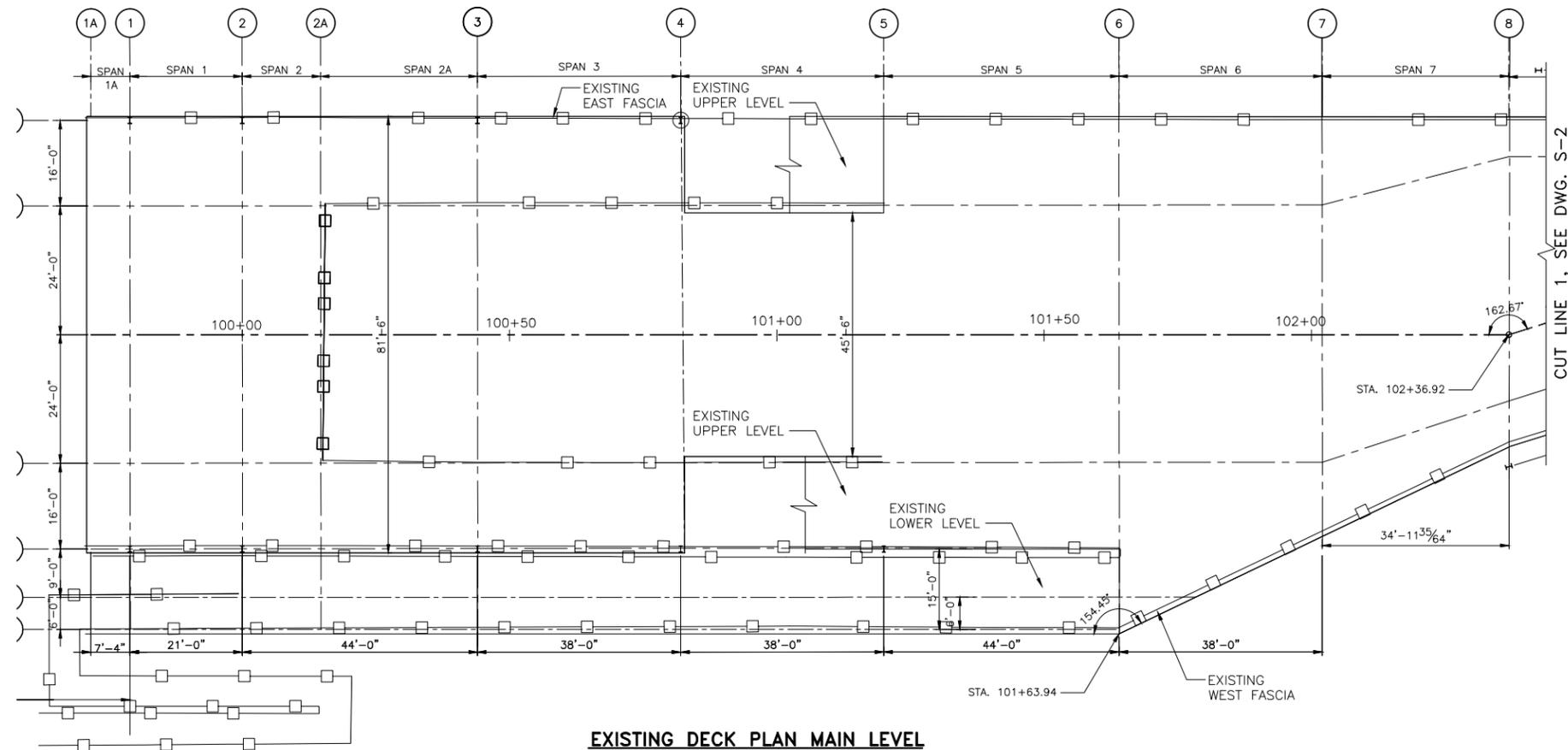
City of New York Parks & Recreation
 The Arsenal
 Central Park
 New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: RIGHT OF WAY MAP

DESIGNED BY: XXXXXX	DRAWN BY: XXXXXX	CHECKED BY: XXXXXX
SCALE: AS SHOWN	DRAWING NO.: C-8	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 9 OF 58 SHEETS

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		10	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

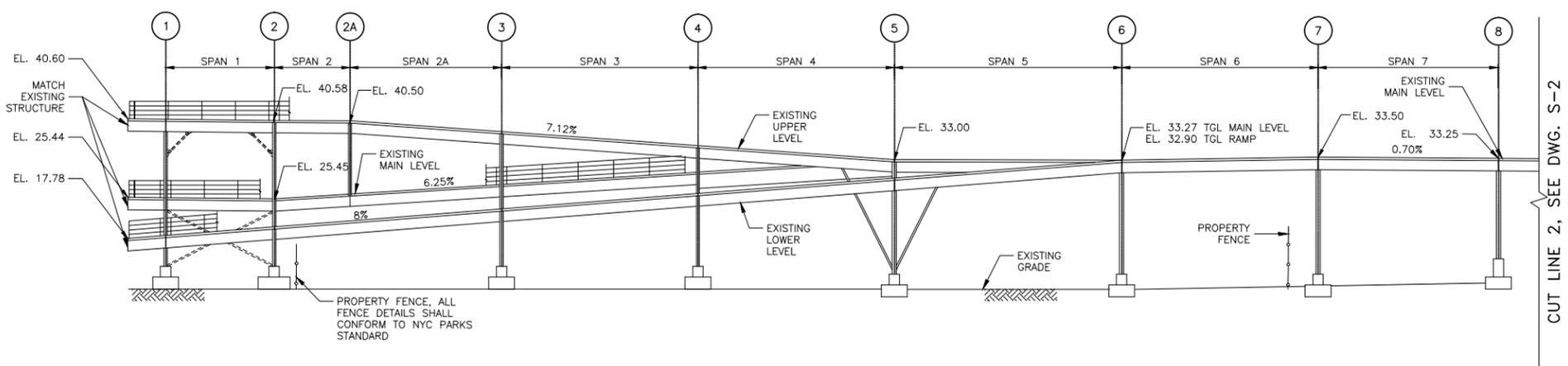


EXISTING DECK PLAN MAIN LEVEL
 SCALE: 3/32"=1'-0"
 SCALE IN FEET



NOTES

1. FOR DEMOLITION AND CONSTRUCTION PLANS, SEE DWGS. S-13 AND S-14
2. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
3. FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20
4. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27



EXISTING DECK ELEVATION
 SCALE: 3/32"=1'-0"
 SCALE IN FEET

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City of New York
Parks & Recreation
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Central Park
New York, New York 10065

PROJECT TITLE
 RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

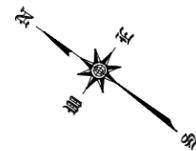
PREPARED BY:
HAKS | **WHIDLINGER ASSOCIATES INC**
 Joint Venture

Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:
 12/18/14

DRAWING TITLE
 EXISTING BRIDGE DECK PLAN AND ELEVATION, SHEET 1 OF 3

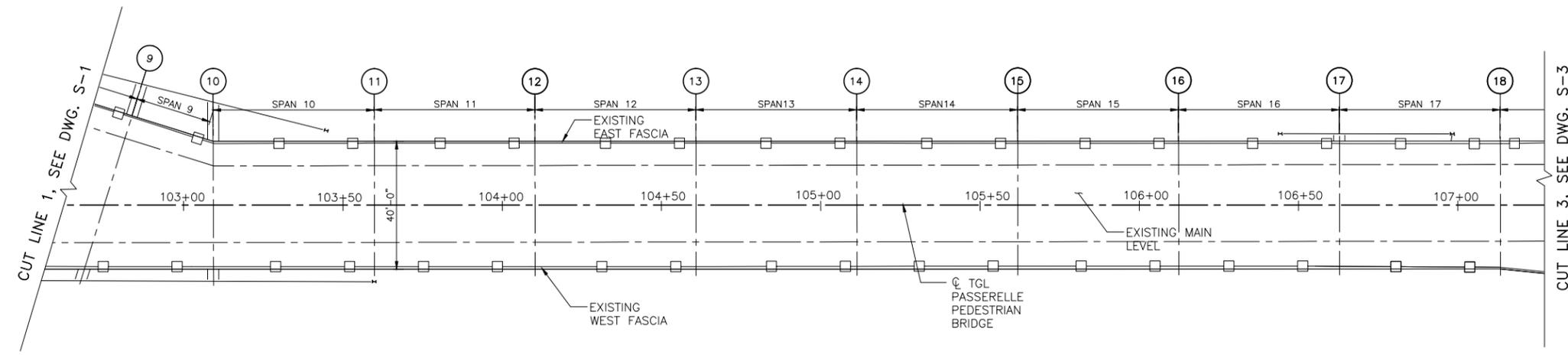
DESIGNED BY A. ROSTAMIZADEH	DRAWN BY G. SANTOS	CHECKED BY Q. HASHMI
SCALE 3/32"=1'-0"	DRAWING NO. S-1	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 10 OF 58 SHEETS	



FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		11	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

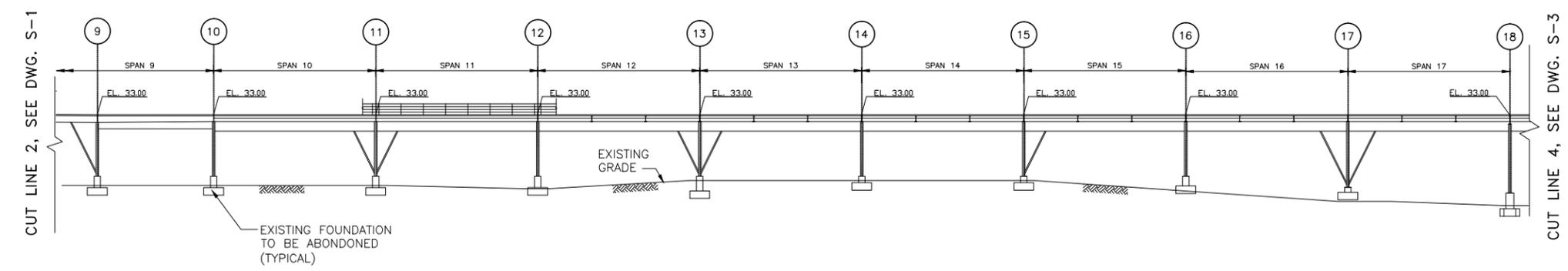
NOTES

1. FOR DEMOLITION AND CONSTRUCTION PLANS, SEE DWGS. S-13 AND S-14
2. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
3. FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20
4. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27



EXISTING DECK PLAN MAIN LEVEL

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



EXISTING DECK ELEVATION MAIN LEVEL

SCALE: 3/32"=1'-0"



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City of New York
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New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
EXISTING BRIDGE DECK PLAN AND ELEVATION, SHEET 2 OF 3

DESIGNED BY A. ROSTAMIZADEH	DRAWN BY G. SANTOS	CHECKED BY Q. HASHMI
SCALE 3/32"=1'-0"	DRAWING NO. S-2	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 11 OF 58 SHEETS	

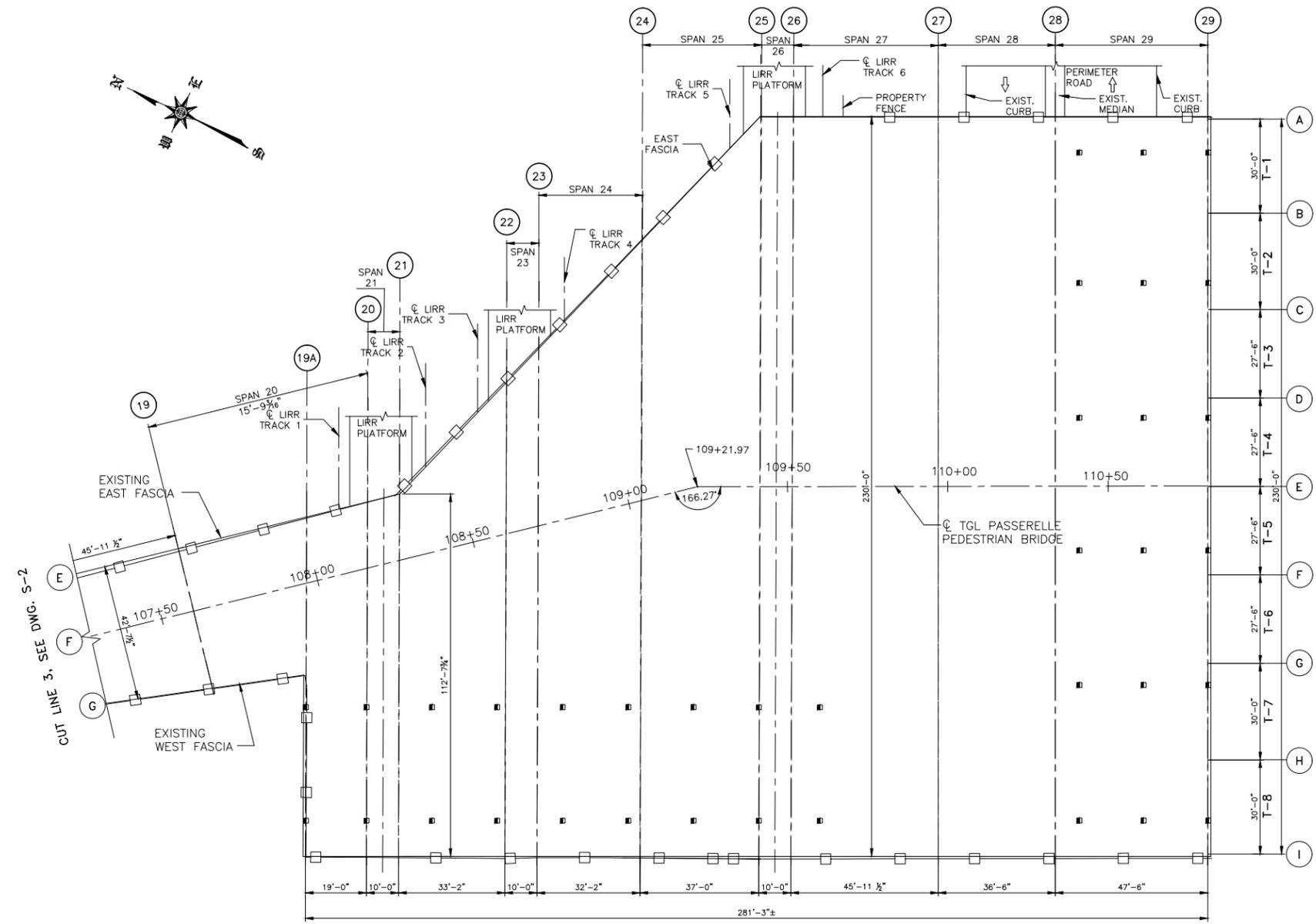
PREPARED BY:

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Joint Venture

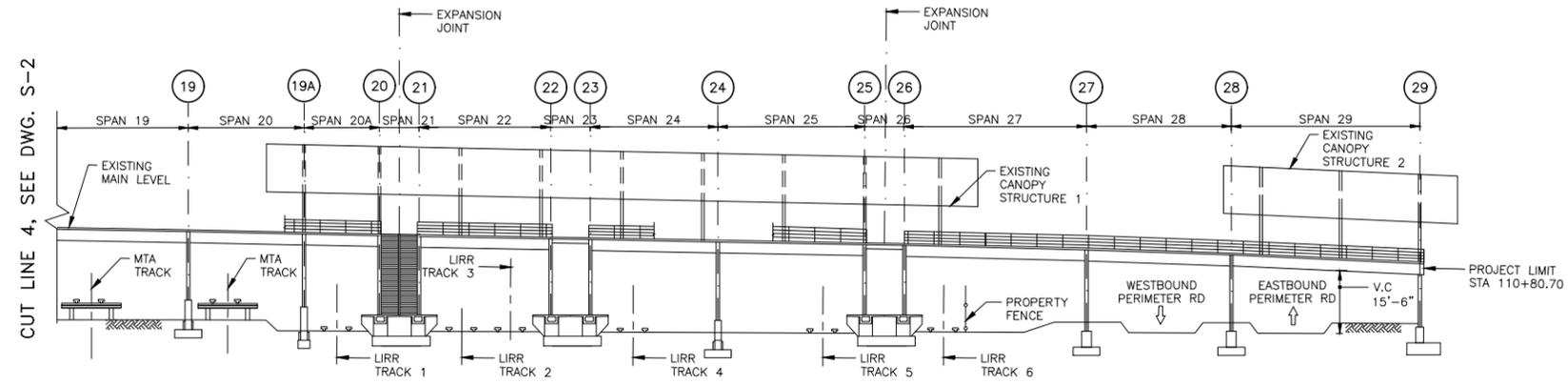
Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		12	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



EXISTING DECK PLAN AT MAIN LEVEL
SCALE: 1/8" = 1'-0"



EXISTING DECK ELEVATION
SCALE: 1/8" = 1'-0"

NOTES

1. FOR DEMOLITION AND CONSTRUCTION PLANS, SEE DWGS. S-13 AND S-14
2. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
3. FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20
4. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

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PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
EXISTING BRIDGE DECK PLAN AND ELEVATION SHEET 3 OF 3

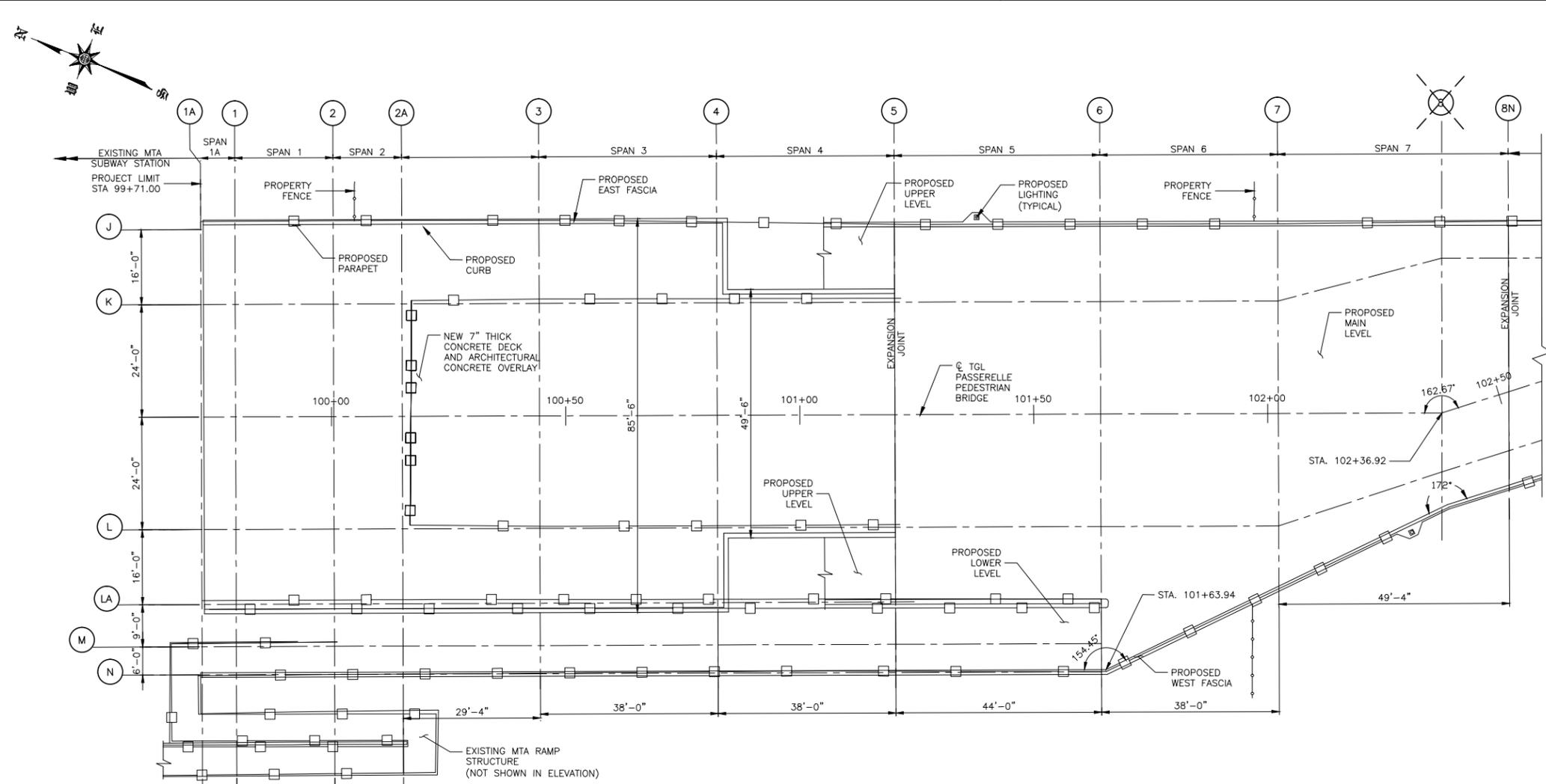
DESIGNED BY J. AW-YONG	DRAWN BY G. SANTOS	CHECKED BY J. HU
SCALE 3/32" = 1'-0"	DRAWING NO. S-3	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 12 OF 58 SHEETS	

PREPARED BY:

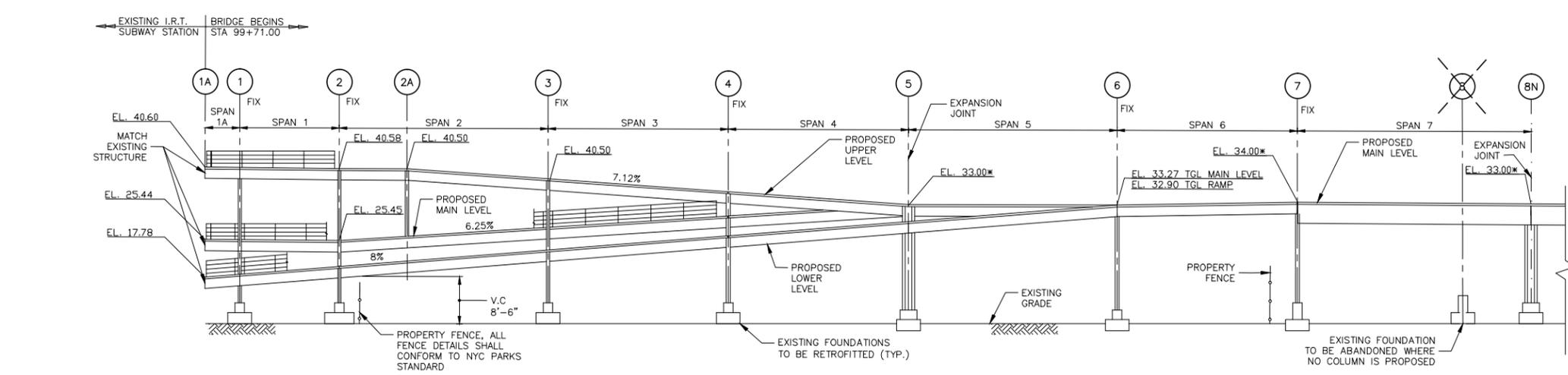
HAKS **WEIDLINGER ASSOCIATES INC**
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Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE



PROPOSED PLAN AT MAIN LEVEL
SCALE: 3/32"=1'-0"



PROPOSED ELEVATION
SCALE: 3/32"=1'-0"

NOTES

- FOR KEY PLAN, SEE DWG. G-7
- FOR DEMOLITION AND CONSTRUCTION PLANS, SEE DWGS. S-13 AND S-14
- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
- FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20
- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

MAIN LEVEL DECK ELEVATION AT TGL			
OLD BENT NO.	NEW BENT NO.	EXISTING	PROPOSED
NONE	1A	25.30	25.30*
1	1	25.30	25.30*
2	2	25.45	25.45*
3	3	28.25	28.25*
4	4	30.63	30.63*
5	5	33.00	33.00*
6	6	33.27	33.27*
7	7	33.50	33.50*
8	REMOVED	33.25	-
NONE	8N	-	33.00*

* MATCH EXISTING ELEVATION. ALL ELEVATIONS ARE ON TOP OF DECK AT TGL.

LEGEND

- (X) EXISTING BENT/GRIDLINE TO BE REMOVED OR RENUMBERED
- (N) PROPOSED BENT/GRIDLINE ESTABLISHED

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

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PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

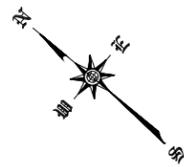
DRAWING TITLE: PROPOSED BRIDGE PLAN AND ELEVATION, SHEET 1 OF 3

DESIGNED BY: J. AW-YONG	DRAWN BY: G. SANTOS	CHECKED BY: J. HU
SCALE: 3/32"=1'-0"	DRAWING NO.: S-4	CONTRACT NO.: HBPED700Q
DATE: 12/18/14	SHEET NO. 13 OF 58 SHEETS	

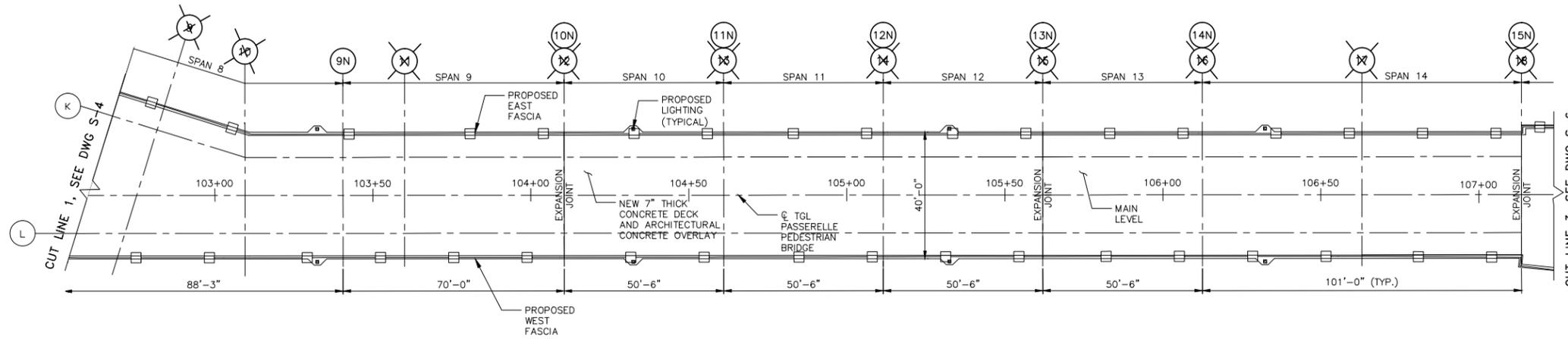
PREPARED BY:

HAKS WEIDLINGER ASSOCIATES INC
Joint Venture

DATE: X.XXXXXXX
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX



FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		14	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



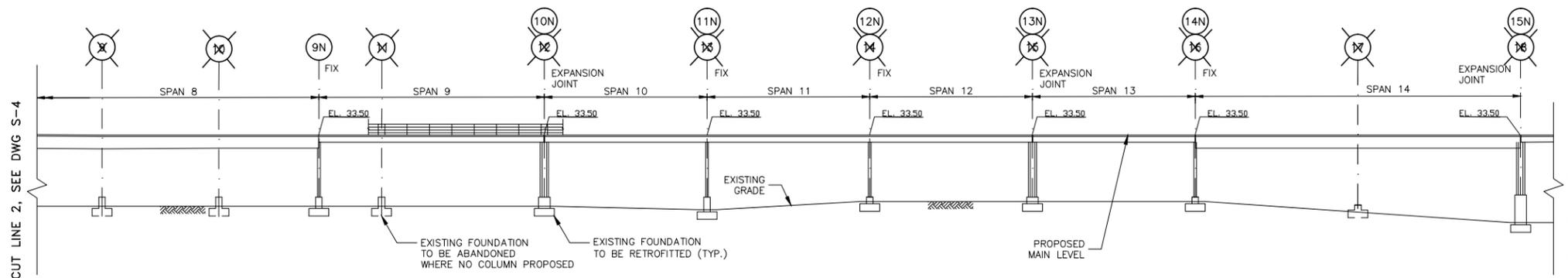
PROPOSED PLAN AT MAIN LEVEL
SCALE: 1/16"=1'-0"

NOTES

- FOR KEY PLAN, SEE DWG. G-7
- FOR DEMOLITION AND CONSTRUCTION PLANS, SEE DWGS. S-13 AND S-14
- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
- FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20
- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

MAIN LEVEL DECK ELEVATION AT TGL			
OLD BENT NO.	NEW BENT NO.	EXISTING	PROPOSED
9	REMOVED	33.00	-
10	REMOVED	33.00	-
NONE	9N	-	33.50
11	REMOVED	33.00	-
12	10N	33.00	33.50
13	11N	33.00	33.50
14	12N	33.00	33.50
15	13N	33.00	33.50

* MATCH EXISTING ELEVATION. ALL ELEVATIONS ARE ON TOP OF DECK AT TGL.



PROPOSED ELEVATION
SCALE: 1/16"=1'-0"

LEGEND

- EXISTING BENT/GRIDLINE TO BE REMOVED OR RENUMBERED
- PROPOSED BENT/GRIDLINE ESTABLISHED

New York City Department of Design & Construction
30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
PROPOSED BRIDGE PLAN AND ELEVATION, SHEET 2 OF 3

DESIGNED BY J. AW-YONG	DRAWN BY G. SANTOS	CHECKED BY J. HU
SCALE 1/16"=1'-0"	DRAWING NO. S-5	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 14 OF 58 SHEETS	

PREPARED BY:

HAKS **WEIDLINGER ASSOCIATES INC**
Joint Venture

DATE: _____
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

NOTES

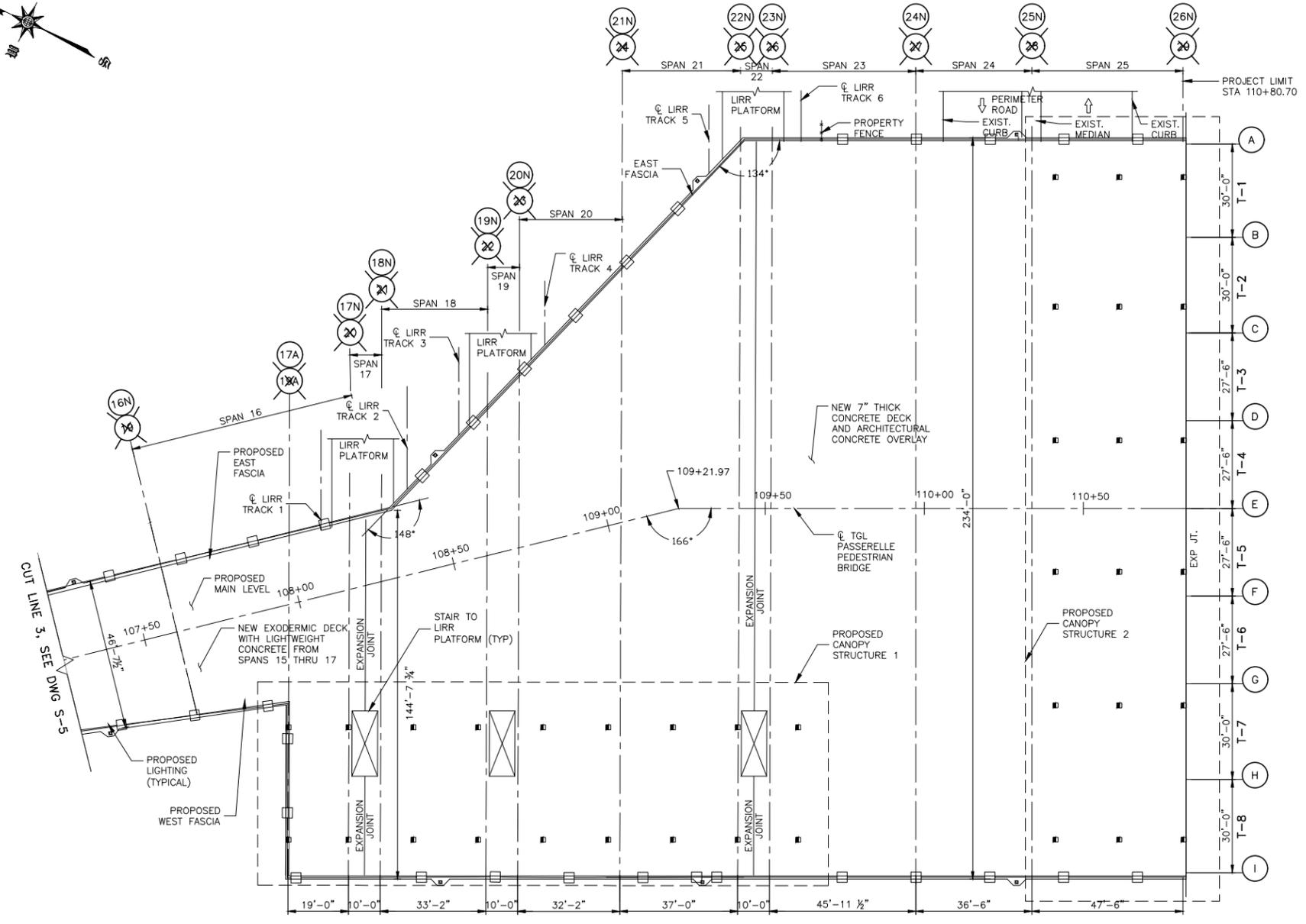
- FOR KEY PLAN, SEE DWG. G-7
- FOR DEMOLITION AND CONSTRUCTION PLANS, SEE DWGS. S-13 AND S-14
- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
- FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20
- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

MAIN LEVEL DECK ELEVATION AT TGL			
OLD BENT NO.	NEW BENT NO.	EXISTING	PROPOSED
16	14N	33.00	33.50
17	REMOVED	33.00	-
18	15N	33.00	33.50
19	16N	32.13	32.63
19A	17N	31.47	31.97
20	18N	31.12	31.62
21	19N	30.93	31.43
22	20N	30.32	30.82
23	21N	30.14	30.64
24	22N	29.54	30.04
25	23N	28.86	29.36
26	24N	28.67	29.17
27	25N	27.55	28.05
28	26N	26.27	26.47
29	27N	24.10	24.10

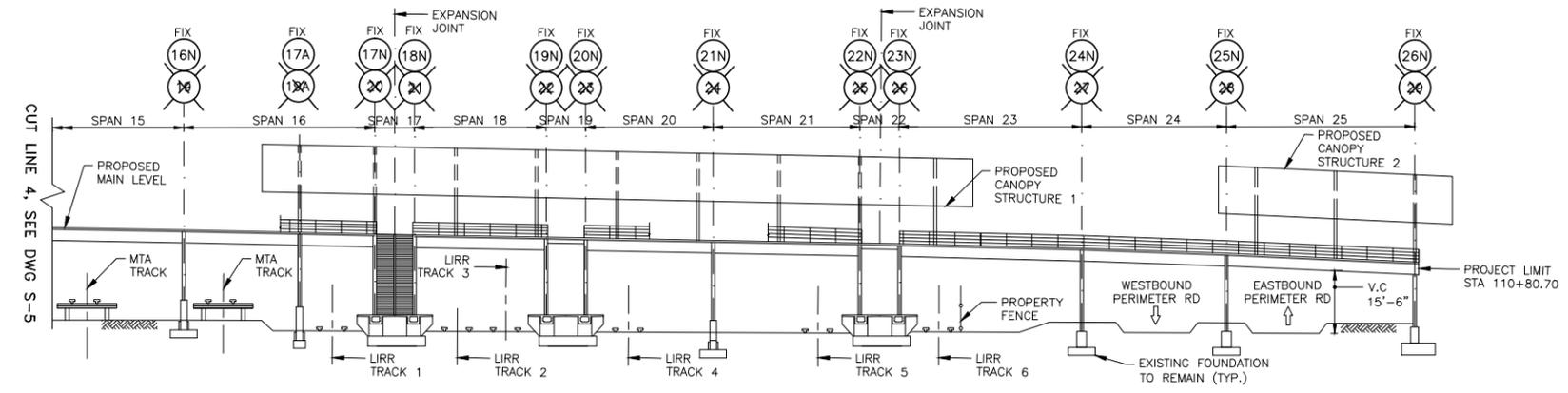
* MATCH EXISTING ELEVATION. ALL ELEVATIONS ARE ON TOP OF DECK AT TGL.

LEGEND

-  EXISTING BENT/GRIDLINE TO BE REMOVED OR RENUMBERED
-  PROPOSED BENT/GRIDLINE ESTABLISHED
-  CANOPY COLUMN



PROPOSED PLAN AT MAIN LEVEL
SCALE: 1/16"=1'-0"



PROPOSED ELEVATION
SCALE: 1/16"=1'-0"

PREPARED BY:
 
 Joint Venture
 X.XXXXXXX DATE
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

New York City Department of Design & Construction
 30-30 Thomson Avenue
 Long Island City, New York, 11101

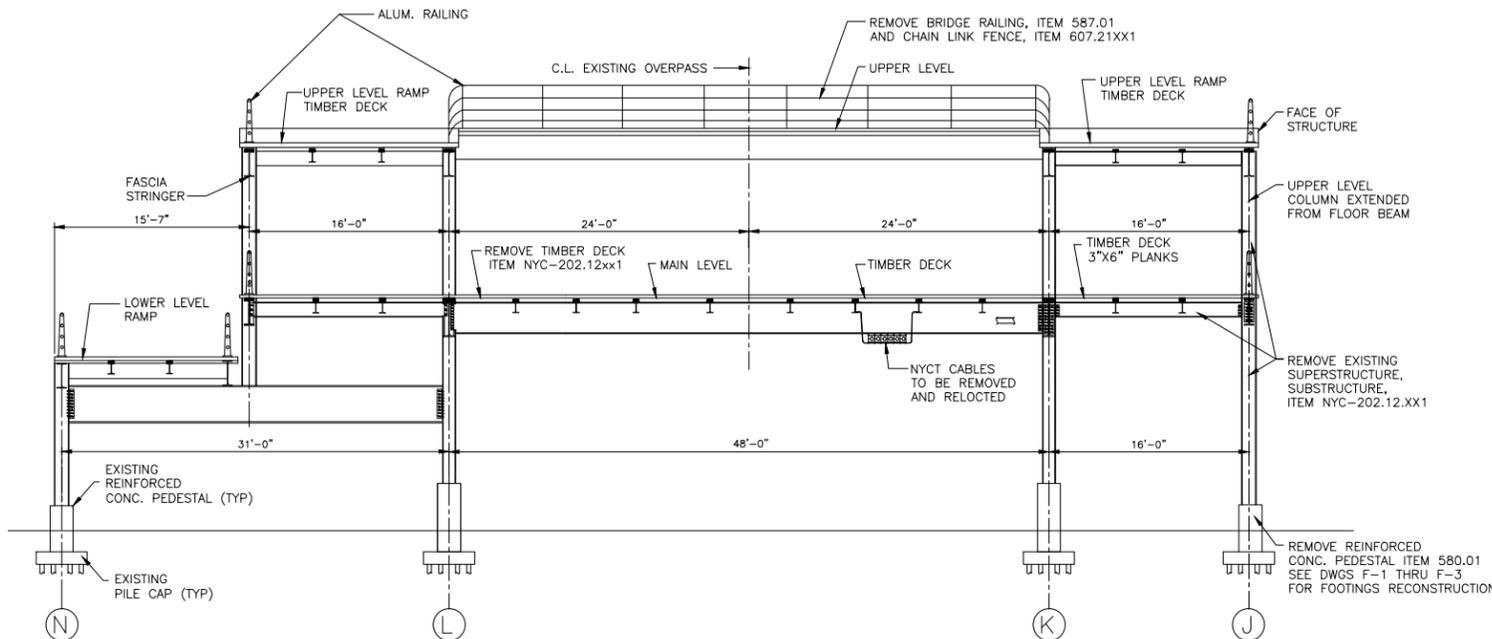
City of New York Parks & Recreation
 The Arsenal
 Central Park
 New York, New York 10065

PROJECT TITLE
 RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
 PROPOSED BRIDGE PLAN AND ELEVATION, SHEET 3 OF 3

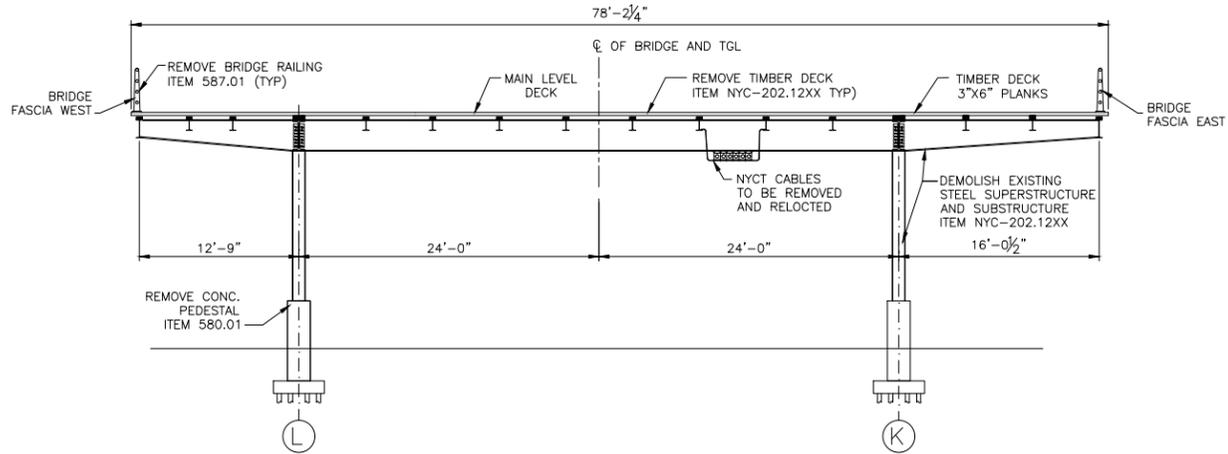
DESIGNED BY J. AW-YONG	DRAWN BY G. DSANTOS	CHECKED BY J. HU
SCALE 1/16"=1'-0"	DRAWING NO. S-G	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 15 OF 58 SHEETS	

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		16	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



EXISTING CROSS SECTION (BENT 1 THRU 6)
(LOOKING NORTH)

SCALE: 3/16"=1'-0"
SCALE IN FEET



EXISTING SECTION (AT BENT 7 THRU 8)
(LOOKING NORTH)

SCALE: 3/16"=1'-0"
SCALE IN FEET

NOTES

1. FOR EXISTING BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-1 THRU S-3
2. FOR ADDITIONAL BRIDGE CROSS SECTIONS, SEE DWGS. S-8 AND S-9
3. FOR DEMOLITION AND CONSTRUCTION STAGING PLANS AND DETAILS, SEE DWGS. S-13 THRU S-17
4. FOR EXISTING BRIDGE FRAMING PLANS SEE DWGS. S-18 THRU S-20
5. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

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30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
EXISTING BRIDGE CROSS SECTIONS, SHEET 1 OF 3

DESIGNED BY XXXXXX	DRAWN BY G.SANTOS	CHECKED BY XXXXXX
SCALE AS SHOWN	DRAWING NO. S-7	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 16 OF 58 SHEETS	

PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
Joint Venture

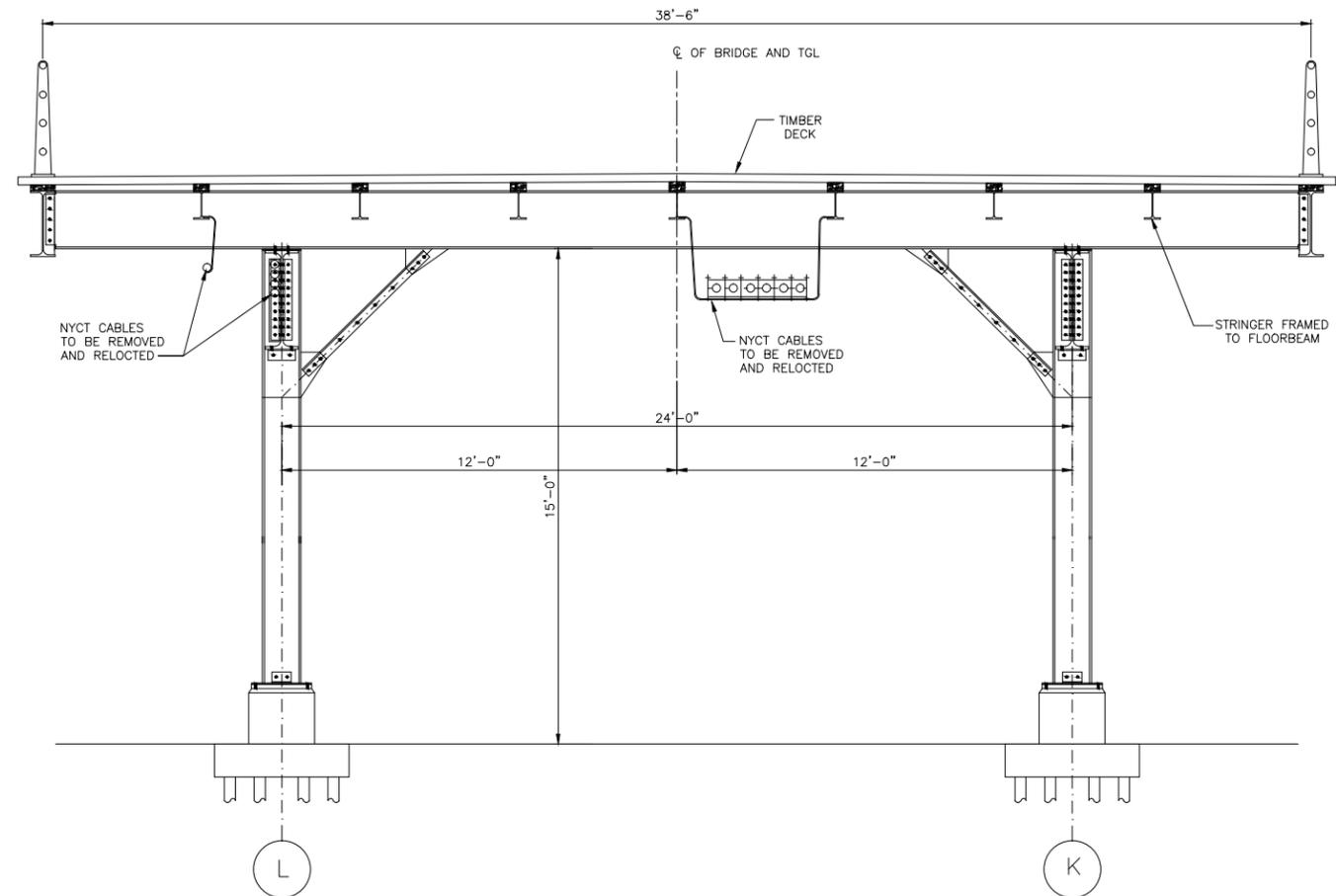
Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: _____

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		17	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

NOTES

1. FOR EXISTING BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-1 THRU S-3
2. FOR ADDITIONAL BRIDGE CROSS SECTIONS, SEE DWGS. S-7 AND S-9
3. FOR DEMOLITION AND CONSTRUCTION STAGING PLANS AND DETAILS, SEE DWGS. S-13 THRU S-17
4. FOR EXISTING BRIDGE FRAMING PLANS SEE DWGS. S-18 THRU S-20
5. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27



EXISTING SECTION FROM BENT 10 THRU 18 (LOOKING NORTH)

SCALE: 1/2"=1'-0"

 SCALE IN FEET

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 30-30 Thomson Avenue
 Long Island City, New York, 11101

City of New York Parks & Recreation
 The Arsenal
 Central Park
 New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: EXISTING BRIDGE CROSS SECTIONS, SHEET 2 OF 3

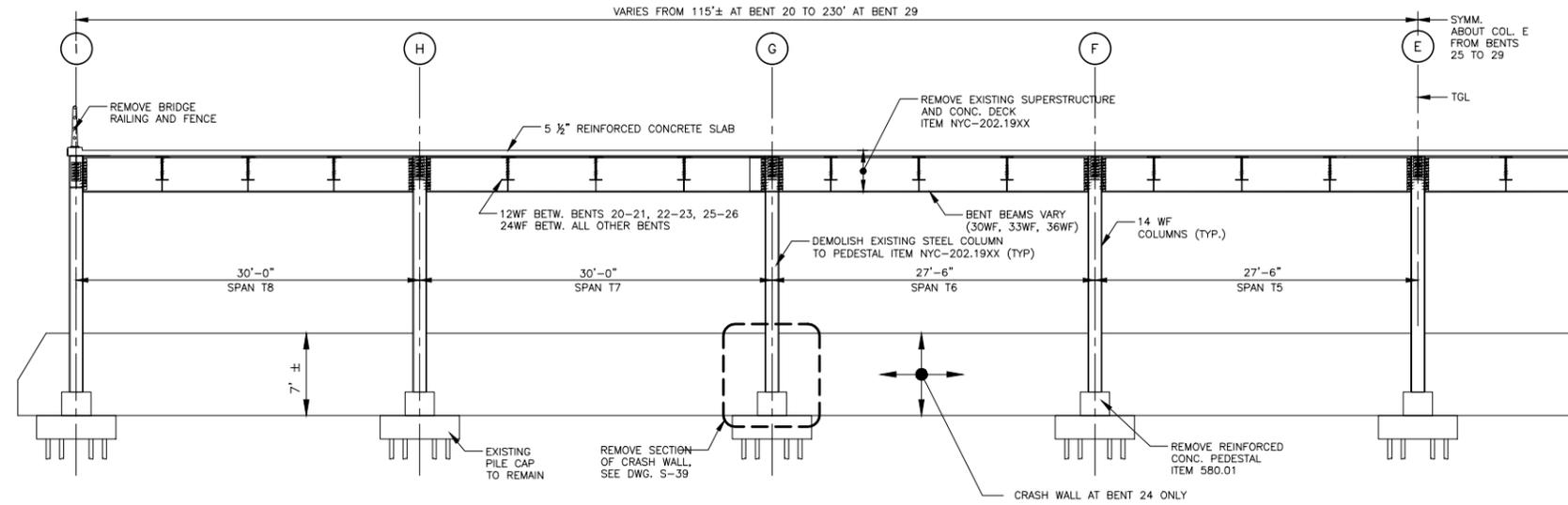
DESIGNED BY: xxxxxx	DRAWN BY: G.SANTOS	CHECKED BY: xxxxxx
SCALE AS SHOWN: 1/2"=1'-0"	DRAWING NO.: S-8	CONTRACT NO.: HBPED700Q
DATE: 12/18/14	SHEET NO. 17 OF 58 SHEETS	

PREPARED BY:

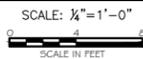
HAKS | **WHIDLINGER ASSOCIATES INC**
 Joint Venture

Q. HASHMI | DATE: _____
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		18	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

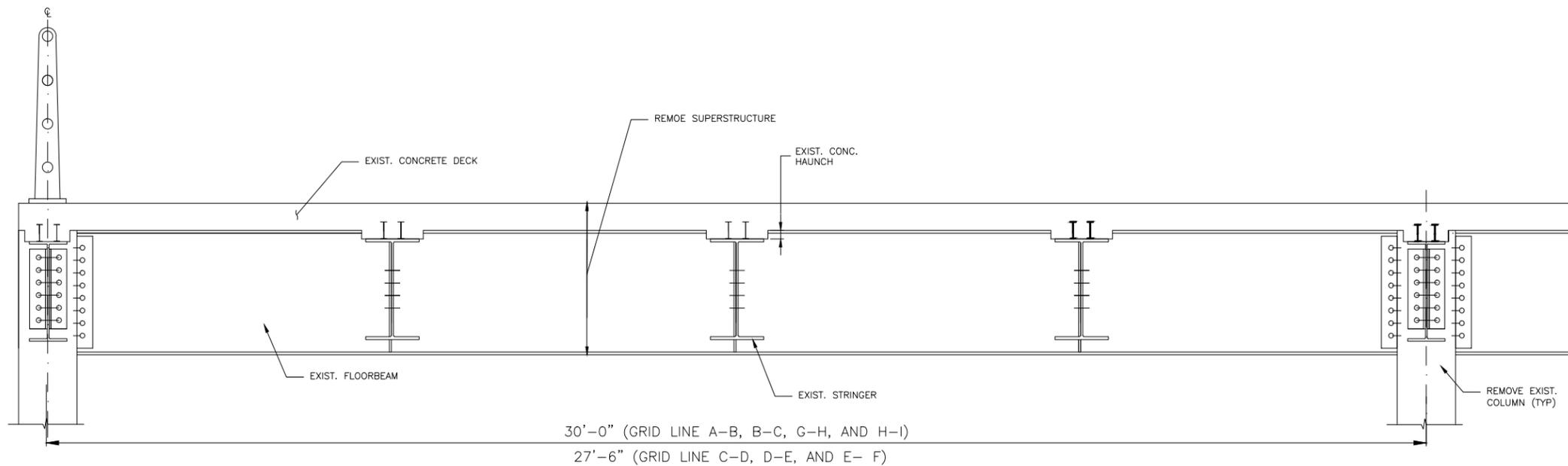


EXISTING SECTION AT BENTS 20 THRU 29 (LOOKING NORTH)
(BENT 27 SHOWN, OTHER BENTS SIMILAR)

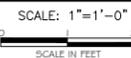


NOTES

1. FOR EXISTING BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-1 THRU S-3
2. FOR ADDITIONAL BRIDGE CROSS SECTIONS, SEE DWGS. S-7 AND S-8
3. FOR DEMOLITION AND CONSTRUCTION STAGING PLANS AND DETAILS, SEE DWGS. S-13 THRU S-17
4. FOR EXISTING BRIDGE FRAMING PLANS SEE DWGS. S-18 THRU S-20
5. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27



TYPICAL EXISTING DECK CROSS SECTION
SPANS 19A THRU 29



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 Long Island City, New York, 11101

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 Central Park
 New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: EXISTING BRIDGE CROSS SECTIONS, SHEET 3 OF 3

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: G. SANTOS	CHECKED BY: Q. HASHMI
SCALE: AS SHOWN	DRAWING NO.: S-9	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 18 OF 58 SHEETS

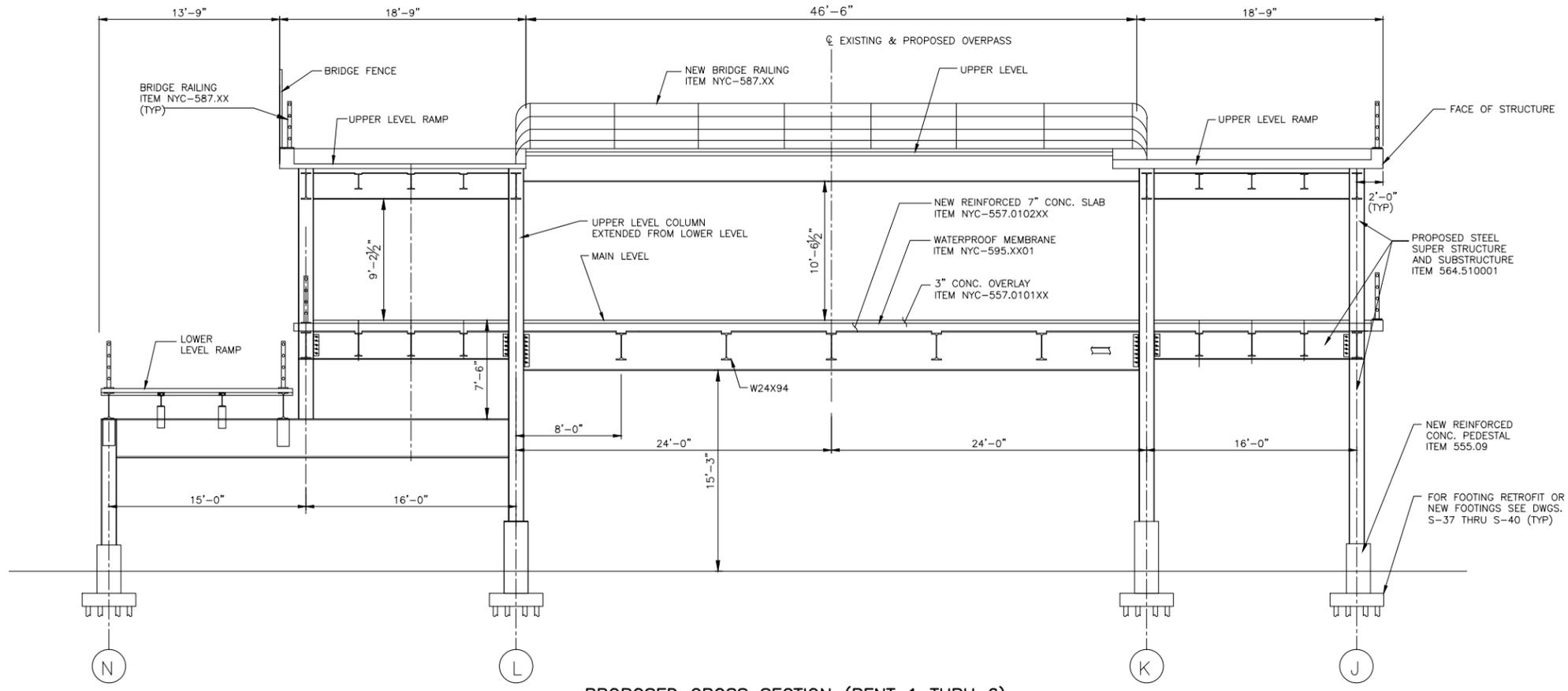
PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
 Joint Venture

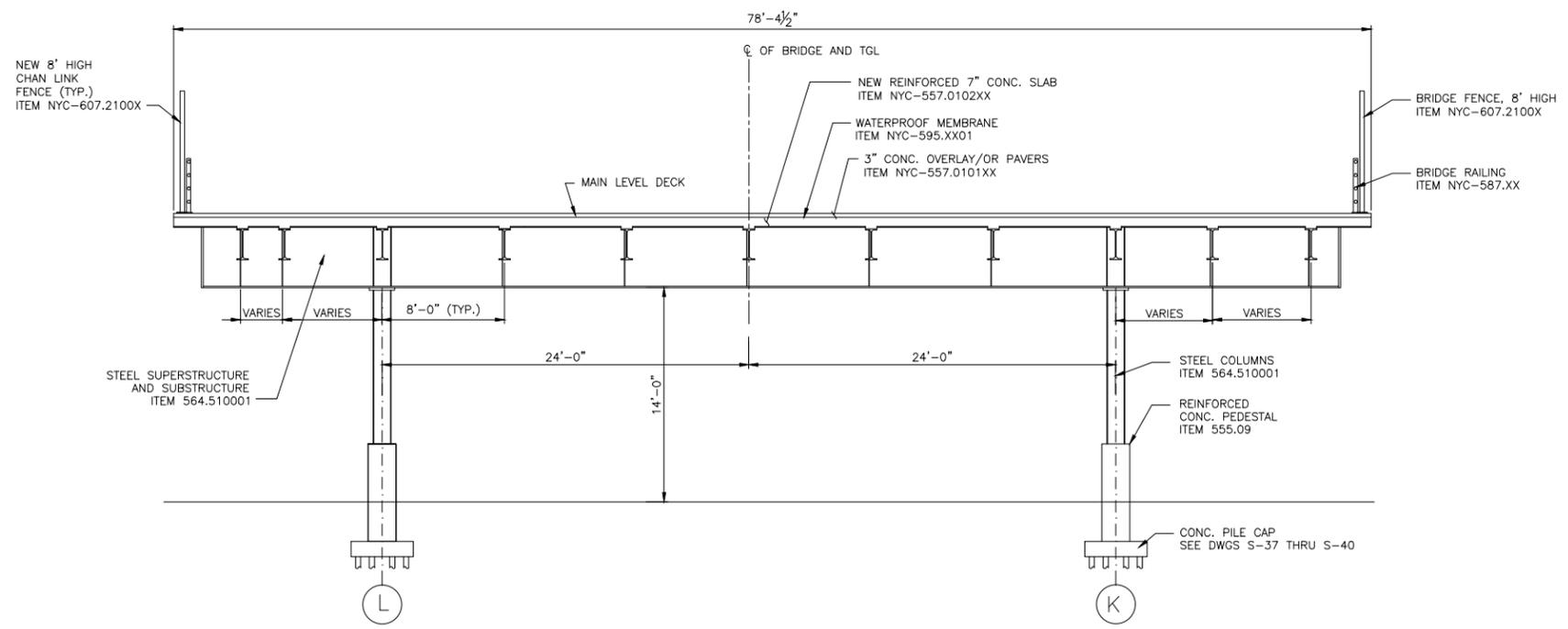
Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		19	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



PROPOSED CROSS SECTION (BENT 1 THRU 6)
(LOOKING NORTH)
 SCALE: 1/4"=1'-0"
 SCALE IN FEET



PROPOSED SECTION AT (BENT 7 THRU 8N)
(LOOKING NORTH)
 SCALE: 1/4"=1'-0"
 SCALE IN FEET

NOTES

1. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
2. FOR ADDITIONAL CROSS SECTIONS, SEE DWGS. S-11 AND S-12
3. FOR DEMOLITION AND CONSTRUCTION STAGING PLANS, SEE DWGS. S-13 AND S-14
4. FOR EXISTING BRIDGE FRAMING PLANS, SEE DWGS. S-18 THRU S-20
5. FOR PROPOSED BRIDGE FRAMING PLANS, SEE DWGS. S-25 THRU S-27



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 Long Island City, New York, 11101



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PROJECT TITLE			
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE			
DRAWING TITLE			
PROPOSED BRIDGE CROSS SECTIONS, SHEET 1 OF 3			
DESIGNED BY	DRAWN BY	CHECKED BY	
XXXXXX	G.SANTOS	XXXXXX	
SCALE	DRAWING NO.	CONTRACT NO.	
AS SHOWN	S-10	HBPED700Q	
DATE		SHEET NO. 19 OF 58 SHEETS	
12/18/14			

PREPARED BY:

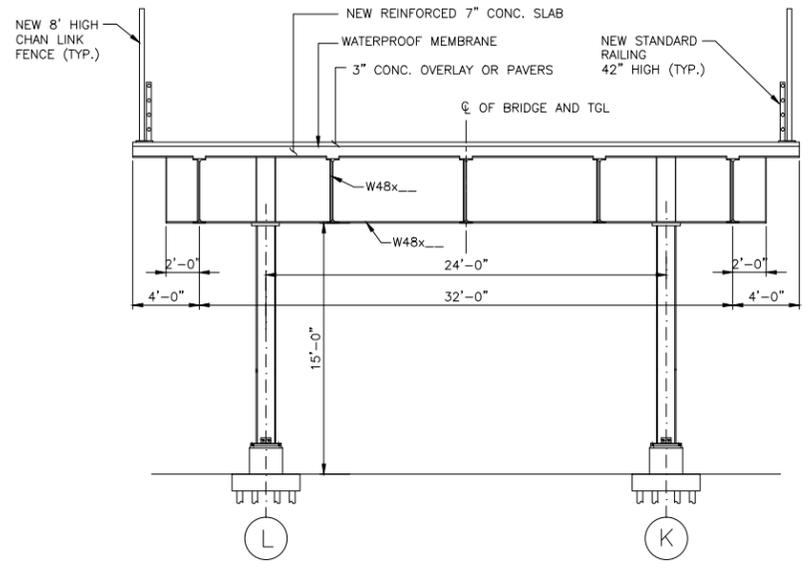



Joint Venture

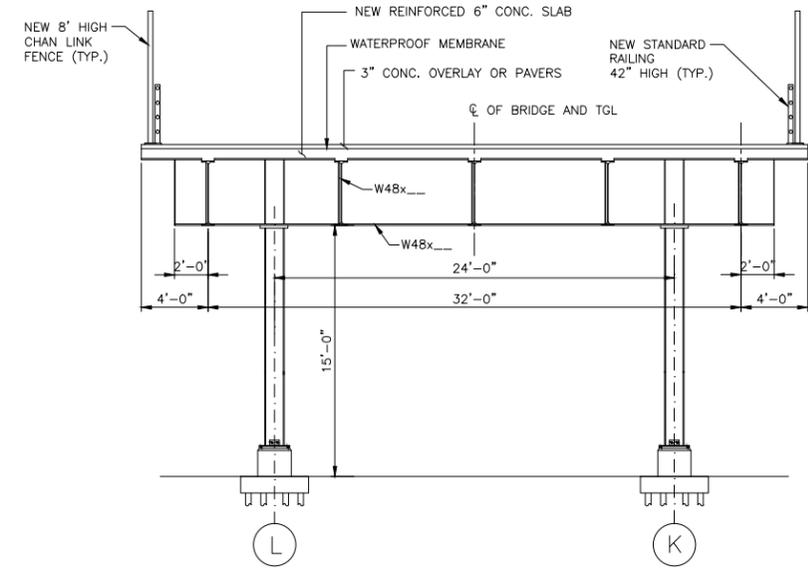
Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

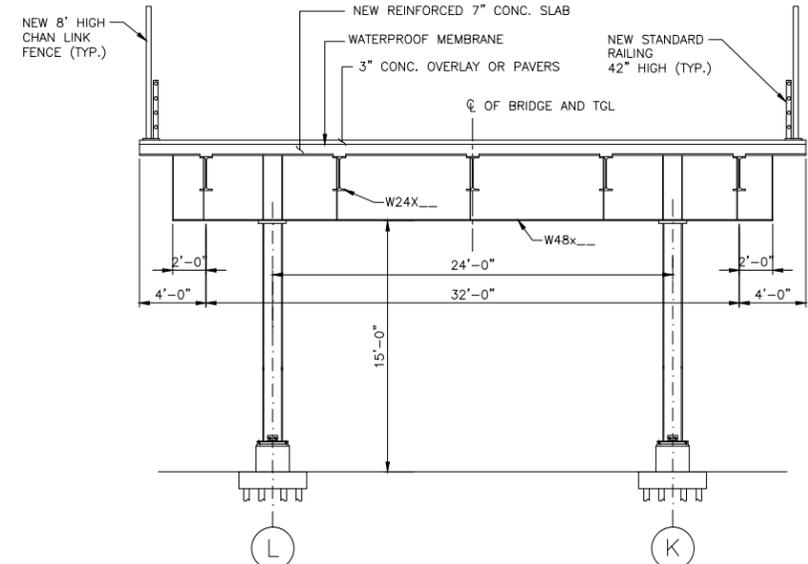
FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		20	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



PROPOSED SECTION FROM BENT 8N THRU 10N (LOOKING NORTH)
 SCALE: 1/4"=1'-0"
 SCALE IN FEET



PROPOSED SECTION FROM BENT 14N (LOOKING NORTH)
 SCALE: 1/4"=1'-0"
 SCALE IN FEET



PROPOSED SECTION FROM BENT 11N THRU 14N (LOOKING NORTH)
 SCALE: 1/4"=1'-0"
 SCALE IN FEET

NOTES

1. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
2. FOR ADDITIONAL CROSS SECTIONS, SEE DWGS. S-10 AND S-12
3. FOR DEMOLITION AND CONSTRUCTION STAGING PLANS, SEE DWGS. S-13 AND S-14
4. FOR EXISTING BRIDGE FRAMING PLANS, SEE DWGS. S-18 THRU S-20
5. FOR PROPOSED BRIDGE FRAMING PLANS, SEE DWGS. S-25 THRU S-27

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Long Island City, New York, 11101

City of New York Parks & Recreation

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Central Park
New York, New York 10065

PROJECT TITLE
 RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE PROPOSED BRIDGE CROSS SECTIONS, SHEET 2 OF 3			
DESIGNED BY XXXXXX	DRAWN BY G. SANTOS	CHECKED BY XXXXXX	
SCALE AS SHOWN	DRAWING NO. S-11	CONTRACT NO. HBPED700Q	
DATE 12/18/14	SHEET NO. 20 OF 58 SHEETS		

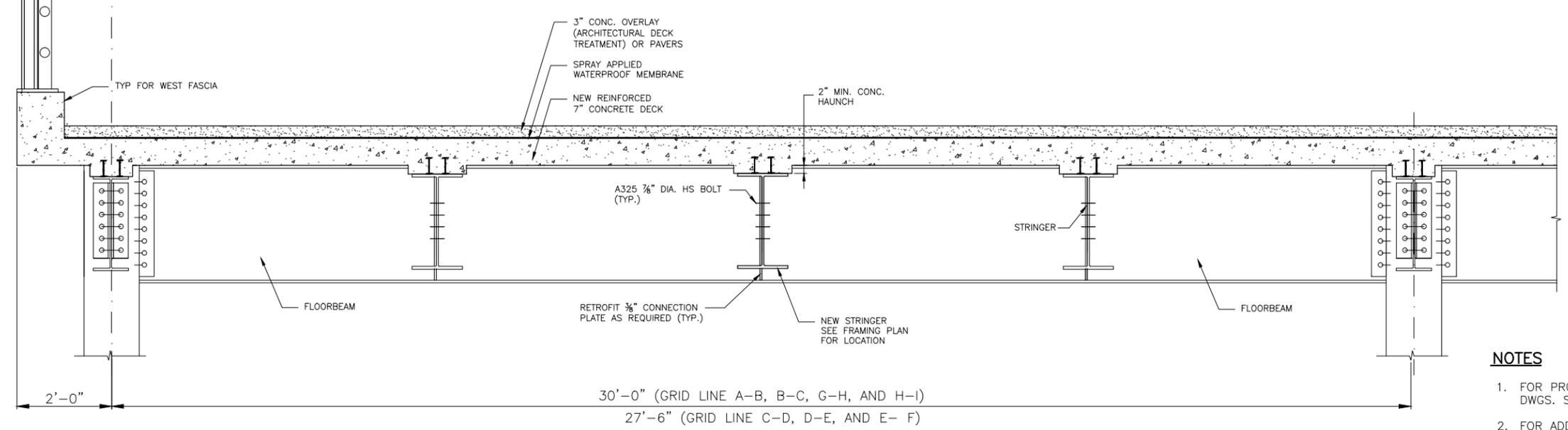
PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES, INC.**
 Joint Venture

Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

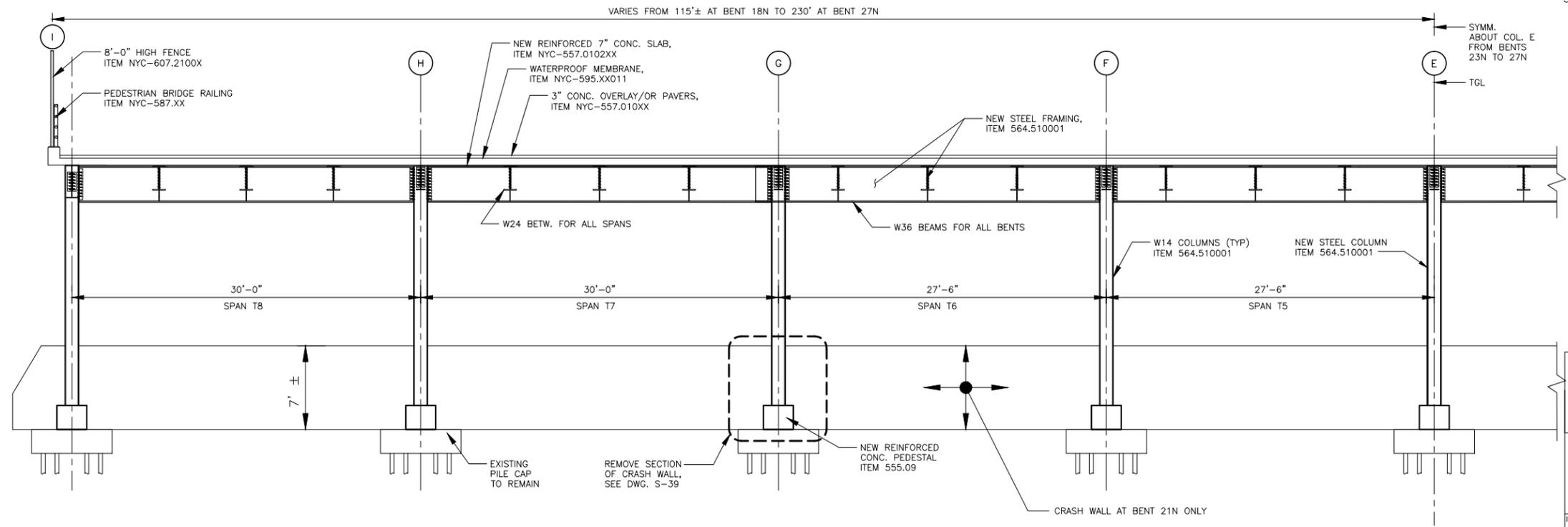
DATE:

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		21	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



**PROPOSED DECK CROSS
SPANS 17 THRU 25**
SCALE: 1"=1'-0"

- NOTES**
1. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
 2. FOR ADDITIONAL CROSS SECTIONS, SEE DWGS. S-10 AND S-11
 3. FOR DEMOLITION AND CONSTRUCTION STAGING PLANS, SEE DWGS. S-13 AND S-14
 4. FOR EXISTING BRIDGE FRAMING PLANS, SEE DWGS. S-18 THRU S-20
 5. FOR PROPOSED BRIDGE FRAMING PLANS, SEE DWGS. S-25 THRU S-27



**PROPOSED SECTION AT BENTS 17N THRU 26N LOOKING NORTH
(BENT 24N SHOWN, OTHER BENTS SIMILAR)**
SCALE: 1/4"=1'-0"

New York City Department of
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30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York
Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE			
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE			
DRAWING TITLE			
PROPOSED BRIDGE CROSS SECTIONS, SHEET 3 OF 3			
DESIGNED BY	DRAWN BY	CHECKED BY	
SCALE	DRAWING NO.	CONTRACT NO.	
	5-12	HBPED700Q	
DATE	SHEET NO. 21 OF 58 SHEETS		
12/18/14			

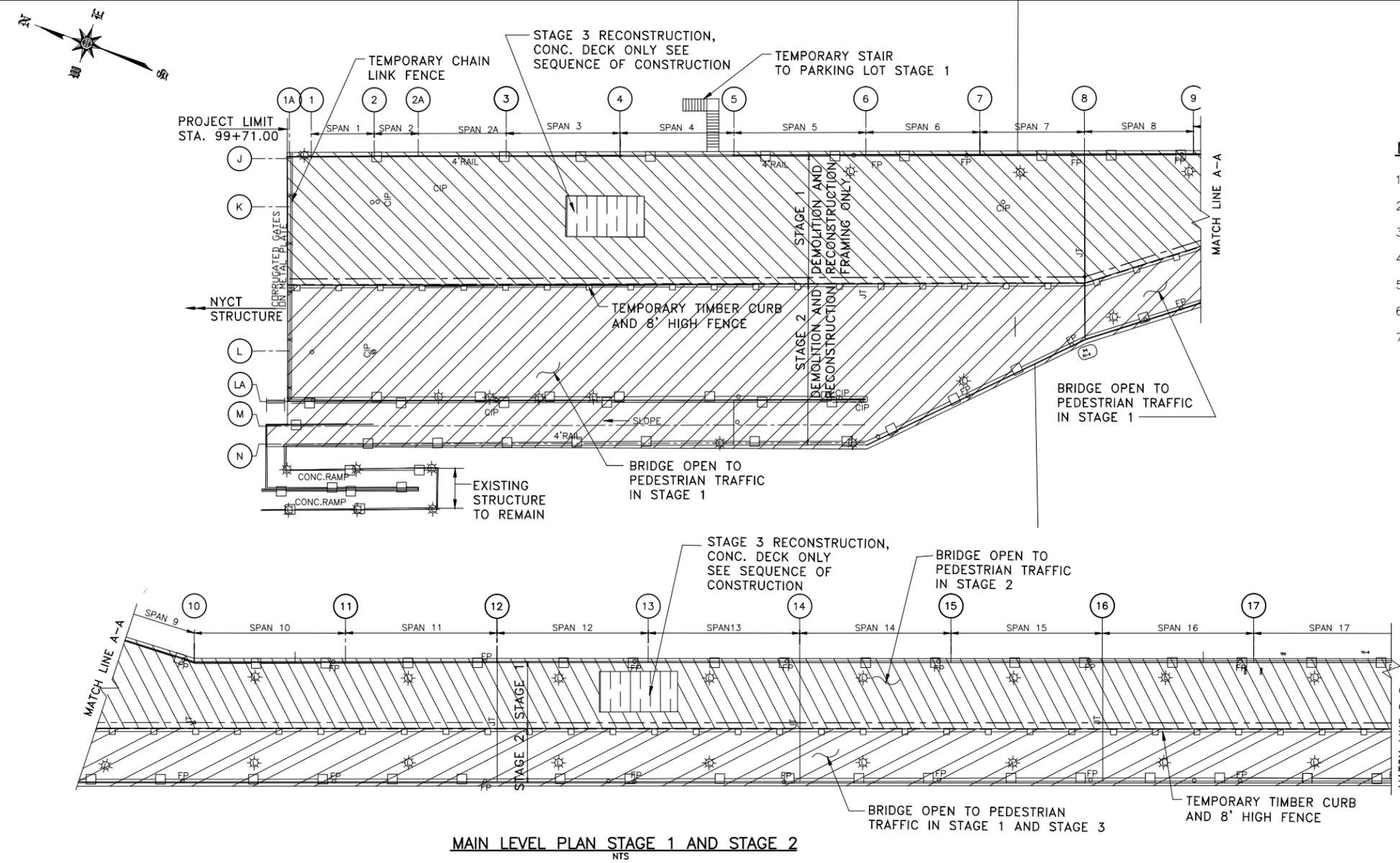
PREPARED BY:

HAKS | **WEIDLINGER ASSOCIATES INC**
Joint Venture

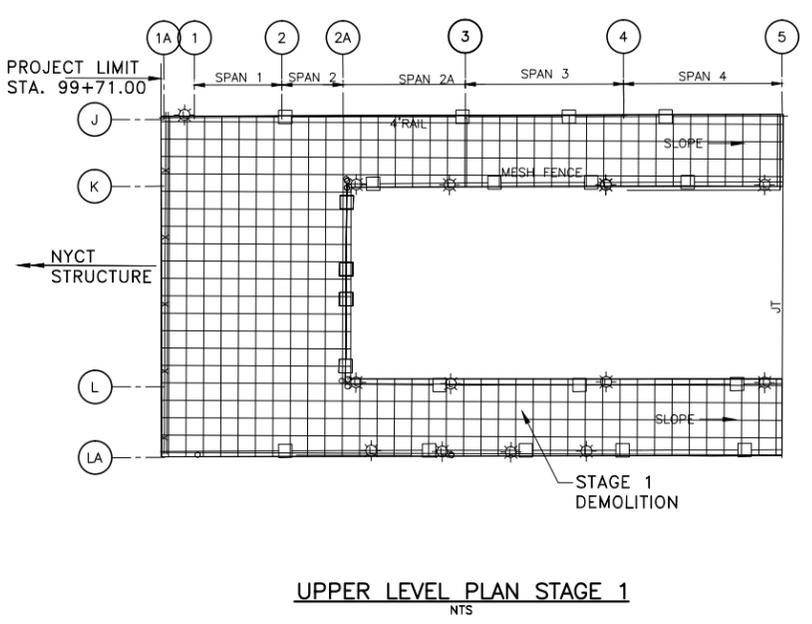
Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:
12/18/14

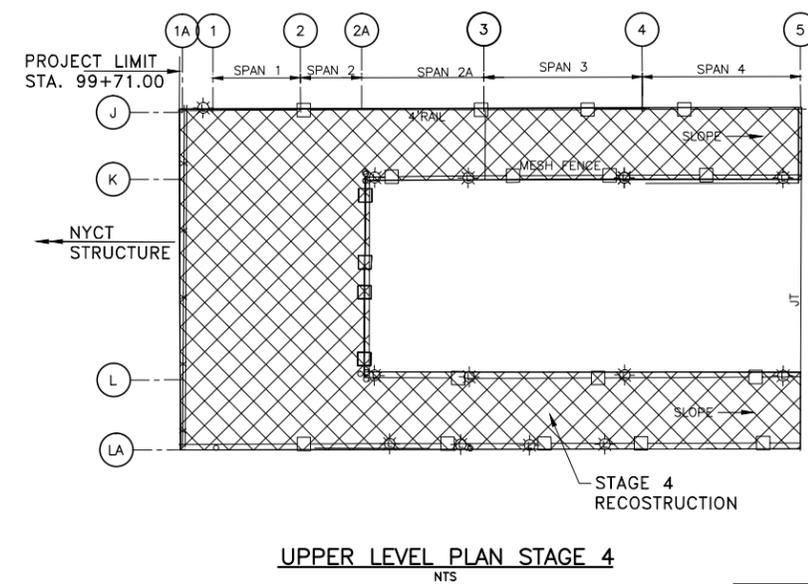
FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		22	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



MAIN LEVEL PLAN STAGE 1 AND STAGE 2
NTS



UPPER LEVEL PLAN STAGE 1
NTS



UPPER LEVEL PLAN STAGE 4
NTS

LEGEND:

	STAGE 1 DEMOLITION
	STAGE 1 DEMOLITION AND RECONSTRUCTION
	STAGE 2 DEMOLITION AND RECONSTRUCTION
	STAGE 3 CONC. DECK PLACEMENT, SEE SEQUENCE OF CONSTRUCTION ON DWG. S-14
	STAGE 4 RECONSTRUCTION

NOTES

- FOR SCOPE OF WORK, SEE DWG. G-3
- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
- FOR SEQUENCE OF WORK FOR STAGE 2, STAGE 3 AND STAGE 4, SEE DWG. S-14
- FOR TEMPORARY SUPPORT AND SECTIONS, SEE DWGS. S-15 AND S-16
- FOR EXISTING BRIDGE FRAMING PLANS SEE DWGS. S-18 THRU S-20
- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27
- FOR FOUNDATION RETROFIT, SEE DWGS. S-37 AND S-38

SUGGESTED CONSTRUCTION SEQUENCE:
CONSTRUCTION STAGE 1

- SPANS 1A THRU 18 (OLD BENT DESIGNATION)
- INSTALL TEMPORARY SHORING TO SUPPORT FLOORBEAMS.
 - INSTALL TIMBER CURB AND RAILING ALONG ON SECTION TO REMAIN.
 - INSTALL FENCE AND BARRIER BELOW BRIDGE DECK.
 - DEMOLISH UPPER LEVEL EXISTING STRUCTURE.
 - DEMOLISH HALF OF THE MAIN LEVEL AND LOWER LEVEL EXISTING STRUCTURES.
 - RECONSTRUCT EXISTING FOOTING AND CONSTRUCT NEW FOOTING ON PILES.
 - INSTALL LOWER LEVEL AND MAIN LEVEL SUBSTRUCTURE AND SUPERSTRUCTURE FRAMING.
 - INSTALL TEMPORARY TIMBER DECK, TEMPORARY ABOVE DECK LIGHTING, AND TEMPORARY STAIRCASE TO CITIFIELD PARKING LOT LEVEL.
 - OPEN BRIDGE SECTION TO TRAFFIC.
- SPANS 19 THRU 29 (OLD BENT DESIGNATION)
- INSTALL TEMPORARY SHORING AS NECESSARY.
 - INSTALL UNDERDECK SHIELDING.
 - INSTALL TIMBER CURB AND RAILING ON BRIDGE SECTION TO REMAIN.
 - REMOVE EXISTING AND SUBSTRUCTURE AND SUPERSTRUCTURE FRAMING AND CANOPY STRUCTURES.
 - RECONSTRUCT EXISTING FOOTING.
 - INSTALL NEW SUBSTRUCTURE AND SUPERSTRUCTURE FRAMING.
 - INSTALL UNDERDECK SHIELDING.
 - INSTALL CONCRETE DECK, WATER PROOFING, AND CONCRETE OVERLAY OR PAVERS.
 - INSTALL BRIDGE RAILING AND PERMANENT LIGHTING.
 - INSTALL TEMPORARY STAIRCASE TO LIRR PLATFORM.
 - MOVE TRAFFIC TO THE NEWLY BUILT SECTION.
 - OPEN BRIDGE SECTION TO TRAFFIC.

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE DEMOLITION AND CONSTRUCTION STAGING PLAN, SHEET 1 OF 2		
DESIGNED BY A. ROSTAMIZADEH	DRAWN BY L. GRINBERG	CHECKED BY Q. HASHMI
SCALE NTS	DRAWING NO. S-13	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 22 OF 58 SHEETS	

PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
Joint Venture

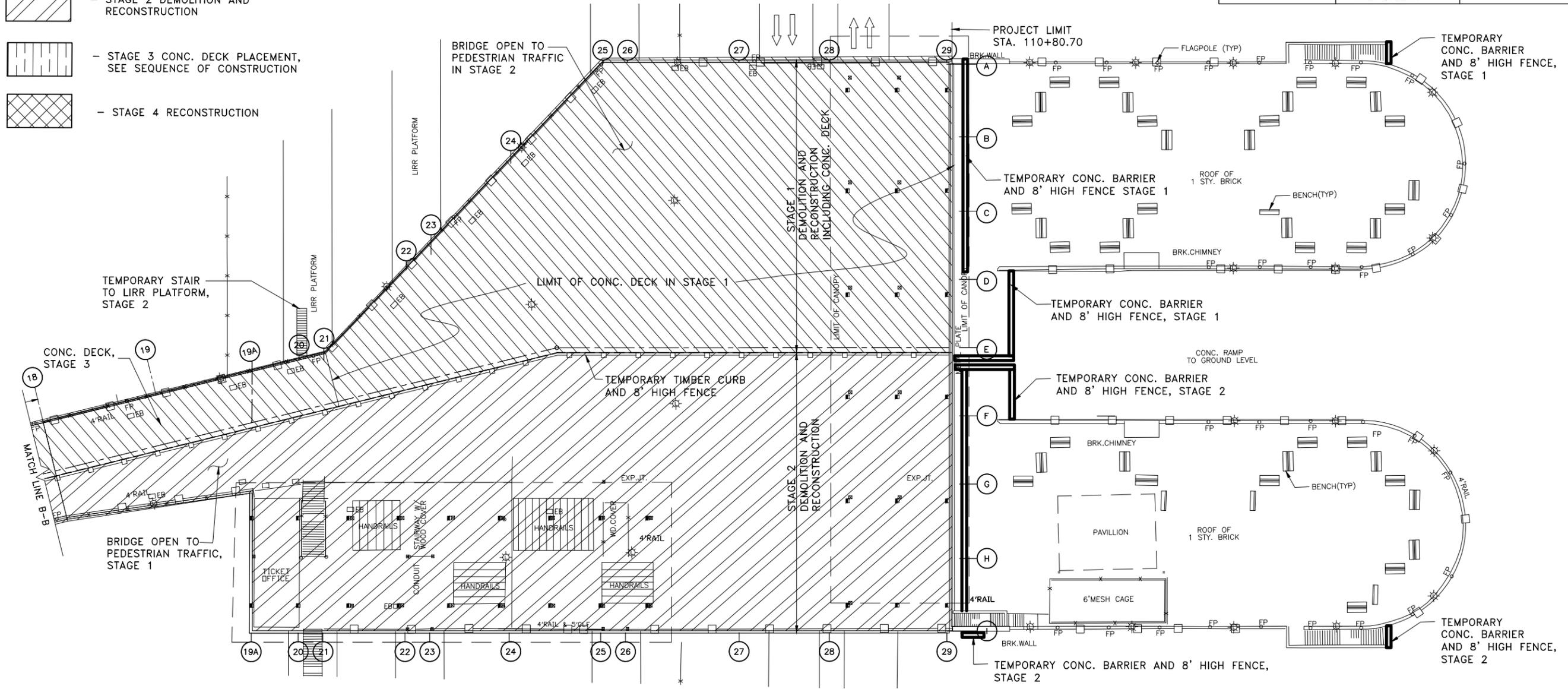
Q. HASHMI | DATE: _____
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		23	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



LEGEND:

- STAGE 1 DEMOLITION AND RECONSTRUCTION
- STAGE 2 DEMOLITION AND RECONSTRUCTION
- STAGE 3 CONC. DECK PLACEMENT, SEE SEQUENCE OF CONSTRUCTION
- STAGE 4 RECONSTRUCTION



SEQUENCE OF CONSTRUCTION MAIN LEVEL PLAN STAGE 1 AND STAGE 2
NTS

SUGGESTED CONSTRUCTION SEQUENCE:
CONSTRUCTION STAGE 2

- MAIN LEVEL SPANS 1A THRU 18 (OLD BENT DESIGNATION)**
1. DEMOLITION HALF OF THE MAIN LEVEL AND LOWER LEVEL EXISTING STRUCTURES.
 2. RECONSTRUCT EXISTING FOOTING AND CONSTRUCT NEW FOOTING ON PILES.
 3. INSTALL MAIN LEVEL AND LOWER LEVEL SUBSTRUCTURE AND SUPERSTRUCTURE FRAMING.
 4. INSTALL UNDERDECK SHIELDING.
 5. INSTALL CONCRETE DECK, WATER PROOFING, AND CONCRETE OVERLAY OR PAVERS.
 6. INSTALL BRIDGE RAILING AND PERMANENT LIGHTING.
 7. OPEN NEWLY BUILT SECTION TO TRAFFIC.
- SPANS 19 THRU 29 (OLD BENT DESIGNATION)**
8. DEMOLISH THE REMAINING EXISTING STRUCTURE.
 9. RECONSTRUCT EXISTING FOOTING.
 10. INSTALL SUBSTRUCTURE AND SUPERSTRUCTURE FRAMING.
 11. INSTALL UNDERDECK SHIELDING.
 12. INSTALL CONCRETE DECK, WATER PROOFING, AND CONCRETE OVERLAY OR PAVERS.
 13. INSTALL BRIDGE RAILING AND PERMANENT LIGHTING.
 14. OPEN BRIDGE TO TRAFFIC.

CONSTRUCTION STAGE 3

- MAIN LEVEL SPANS 1A THRU 18 (OLD BENT DESIGNATION)**
15. REMOVE TEMPORARY DECK, LIGHTING AND STAIRCASE INSTALLED IN STAGE 1.
 16. INSTALL UNDERDECK SHIELDING.
 17. INSTALL CONCRETE DECK, WATER PROOFING, AND CONCRETE OVERLAY OR PAVERS.
 18. INSTALL BRIDGE RAILING AND PERMANENT LIGHTING.
 19. OPEN BRIDGE TO TRAFFIC.
 20. INSTALL BRIDGE RAILING AND PERMANENT LIGHTING.
 21. OPEN BRIDGE TO TRAFFIC.

CONSTRUCTION STAGE 4

- UPPER LEVEL SPANS 1A THRU 6 (OLD BENT DESIGNATION)**
1. INSTALL UPPER LEVEL SUBSTRUCTURE AND SUPERSTRUCTURE FRAMING.
 2. INSTALL UNDERDECK SHIELDING.
 3. INSTALL CONCRETE DECK, WATER PROOFING, AND CONCRETE OVERLAY OR PAVERS.
 4. INSTALL BRIDGE RAILING AND PERMANENT LIGHTING.
 5. OPEN BRIDGE TO TRAFFIC.

NOTES

1. FOR SCOPE OF WORK, SEE DWG. G-3
2. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
3. FOR SEQUENCE OF WORK FOR STAGE 1, SEE DWG. S-13
4. FOR TEMPORARY SUPPORT AND SECTIONS, SEE DWGS. S-15 AND S-16
5. FOR EXISTING BRIDGE FRAMING PLANS SEE DWGS. S-18 THRU S-20
6. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27
7. FOR FOUNDATION RETROFIT, SEE DWGS. S-37 AND S-38

PREPARED BY:

Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:
12/18/14

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

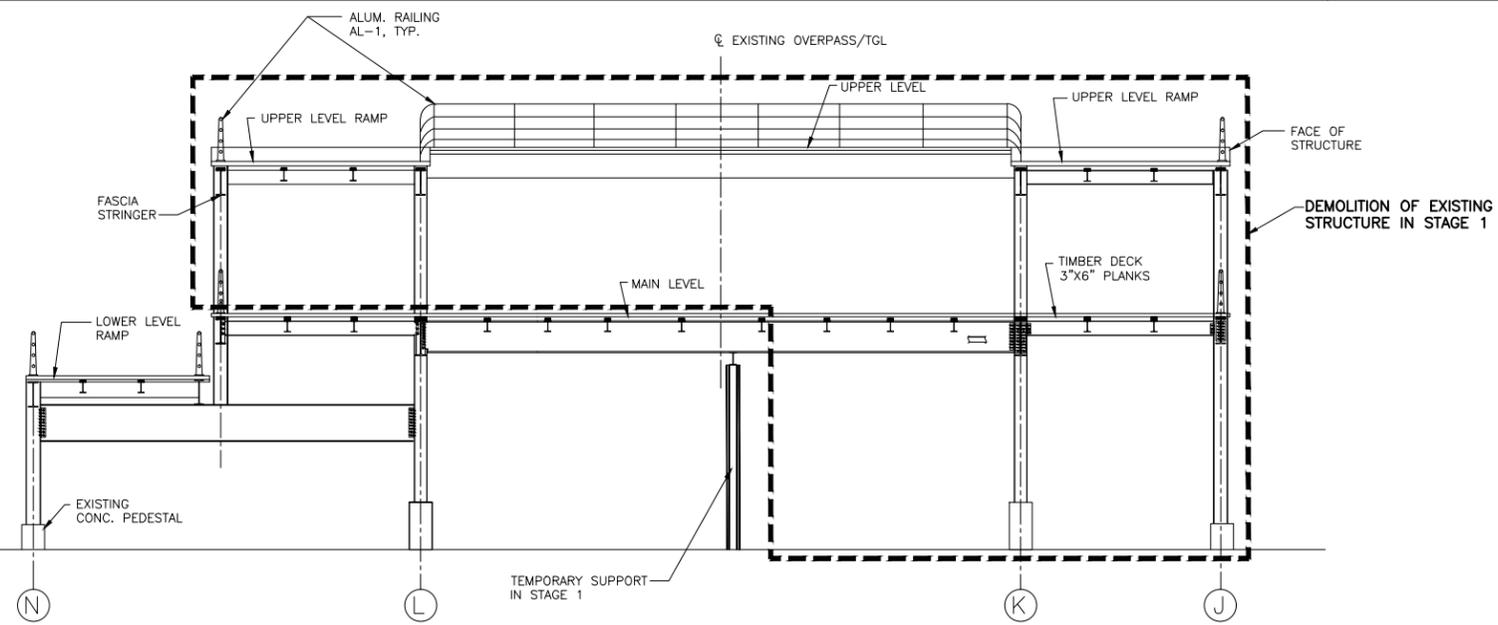
DRAWING TITLE
DEMOLITION AND CONSTRUCTION STAGING PLAN, SHEET 2 OF 2

DESIGNED BY A. ROSTAMIZADEH	DRAWN BY L. GRINBERG	CHECKED BY Q. HASHMI
SCALE NTS	DRAWING NO. S-14	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 23 OF 58 SHEETS	

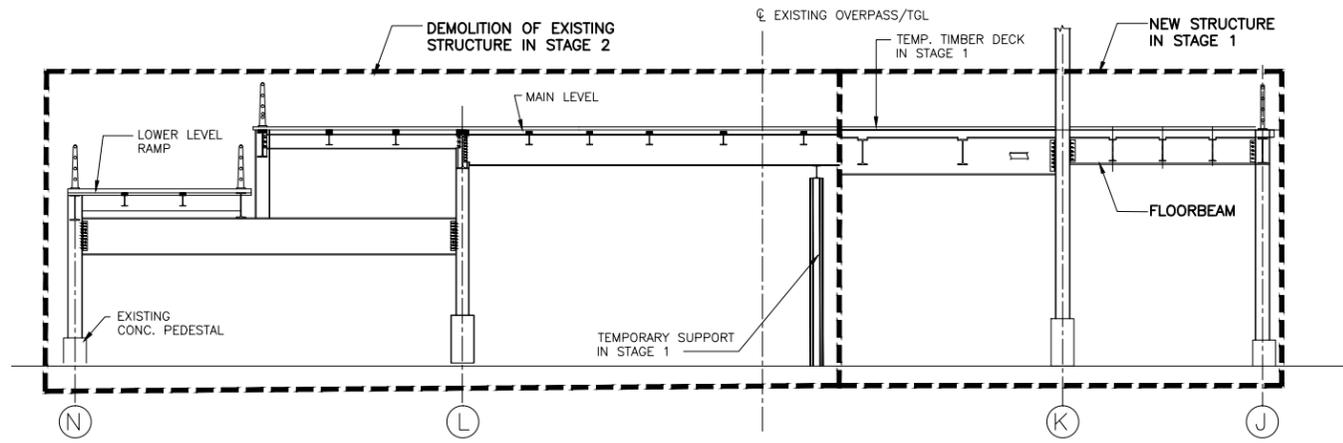
FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		24	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

NOTES

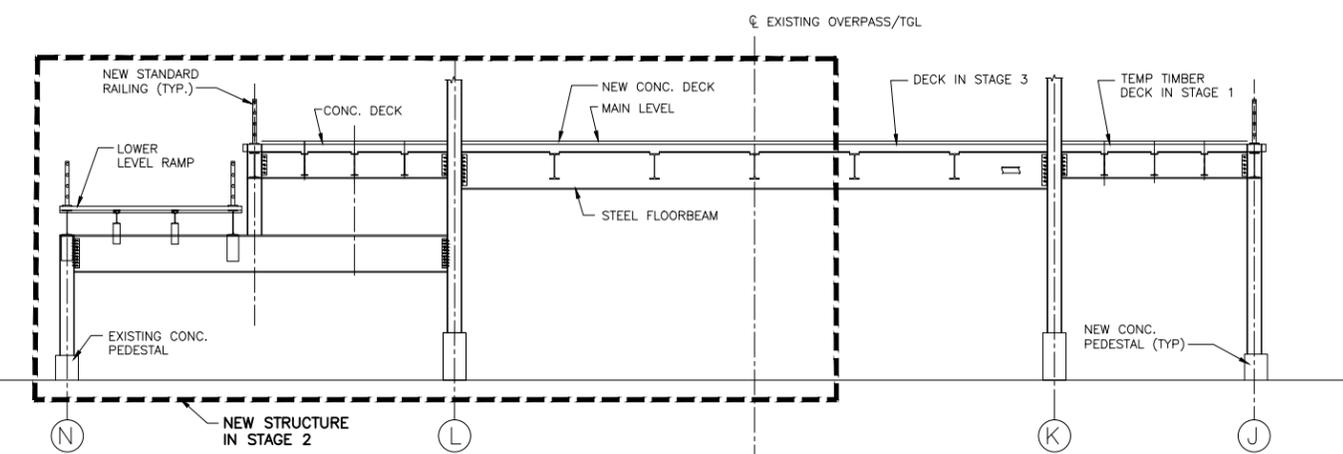
1. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
2. FOR SEQUENCE OF WORK, SEE DWGS. S-13 AND S-14
3. FOR TEMPORARY SUPPORT AND SECTIONS, SEE DWGS. S-16 AND S-17
4. FOR EXISTING BRIDGE FRAMING PLANS SEE DWGS. S-18 THRU S-20
5. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27



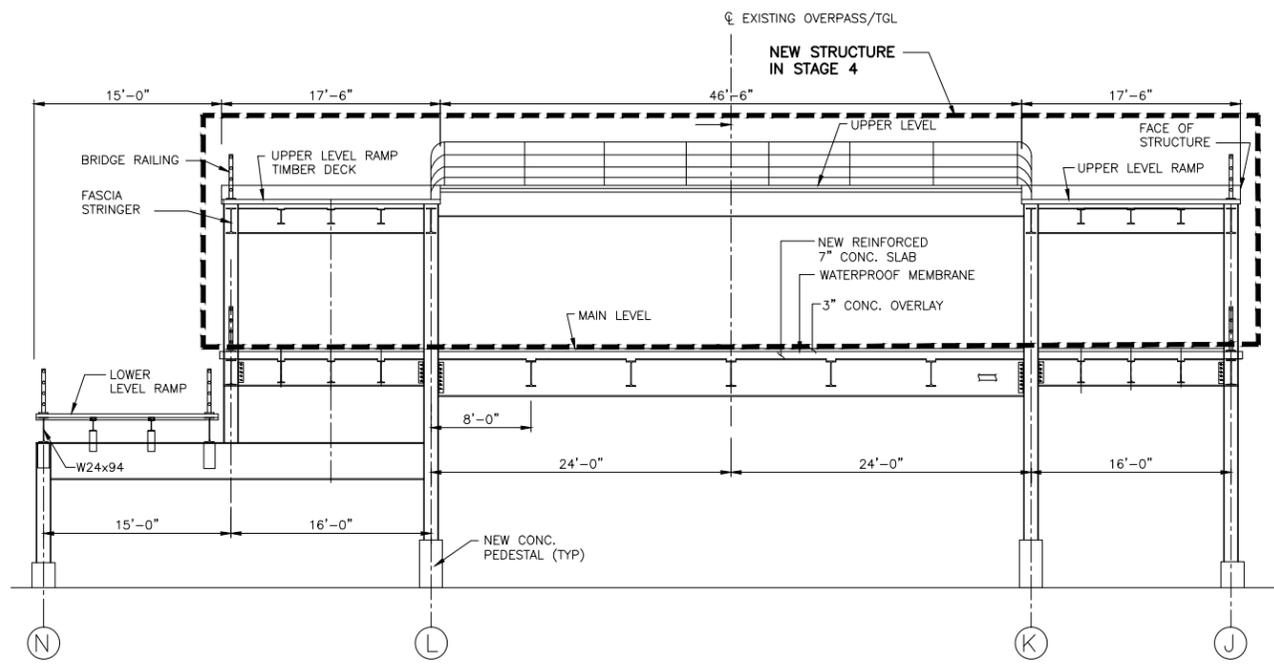
DEMOLITION STAGE 1 (BENT 1 THRU 6)
(LOOKING NORTH)
 SCALE: 3/16"=1'-0"
 SCALE IN FEET



CONSTRUCTION STAGE 1 (BENT 1 THRU 6)
(LOOKING NORTH)
 SCALE: 3/16"=1'-0"
 SCALE IN FEET



CONSTRUCTION STAGE 2 (BENT 1 THRU 6)
(LOOKING NORTH)
 SCALE: 3/16"=1'-0"
 SCALE IN FEET



CONSTRUCTION STAGE 4, UPPER LEVEL (BENT 1 THRU 6)
(LOOKING NORTH)
 SCALE: 3/16"=1'-0"
 SCALE IN FEET

New York City Department of Design & Construction
 30-30 Thomson Avenue
 Long Island City, New York, 11101

City of New York Parks & Recreation
 The Arsenal
 Central Park
 New York, New York 10065

PROJECT TITLE
 RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

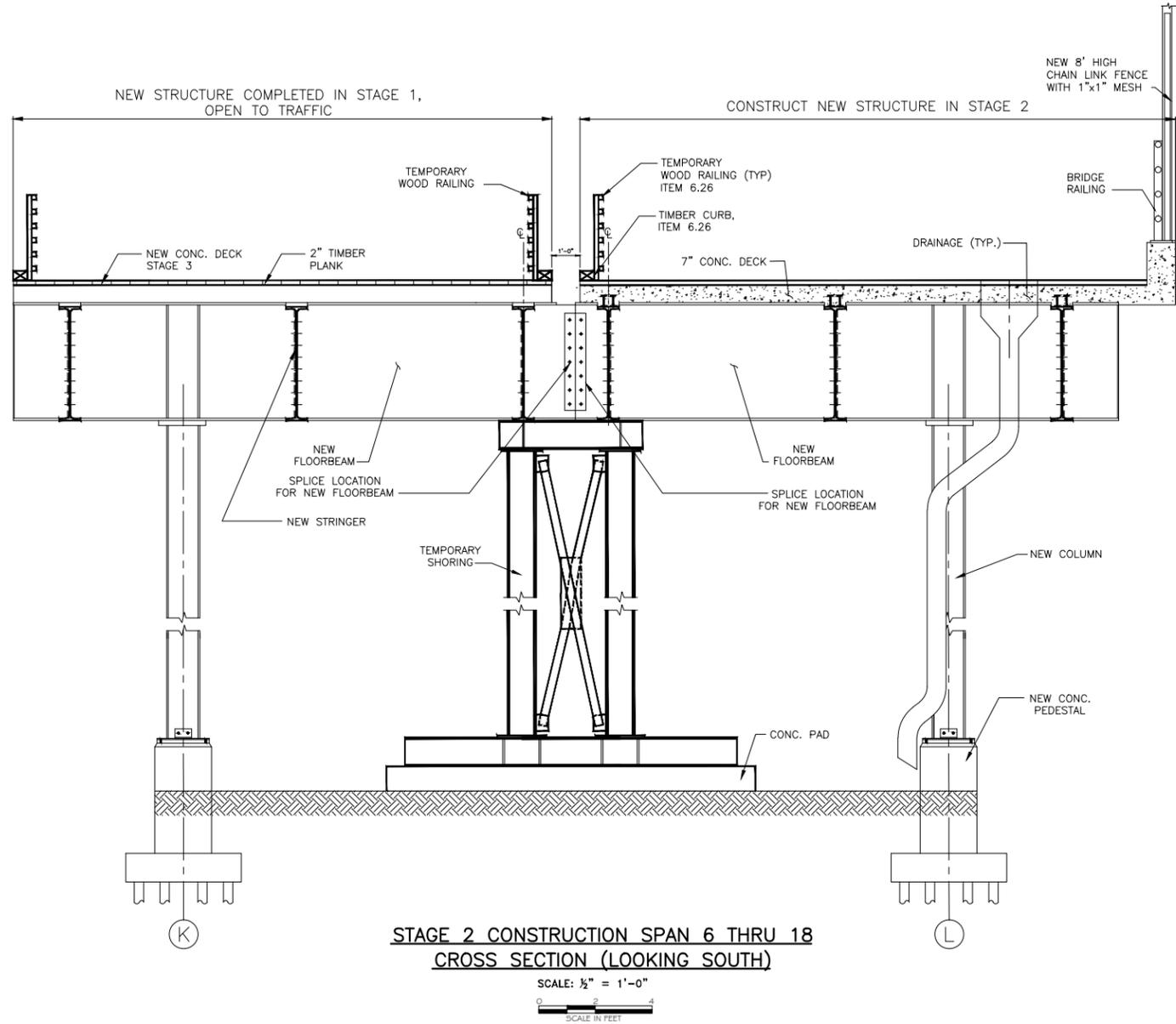
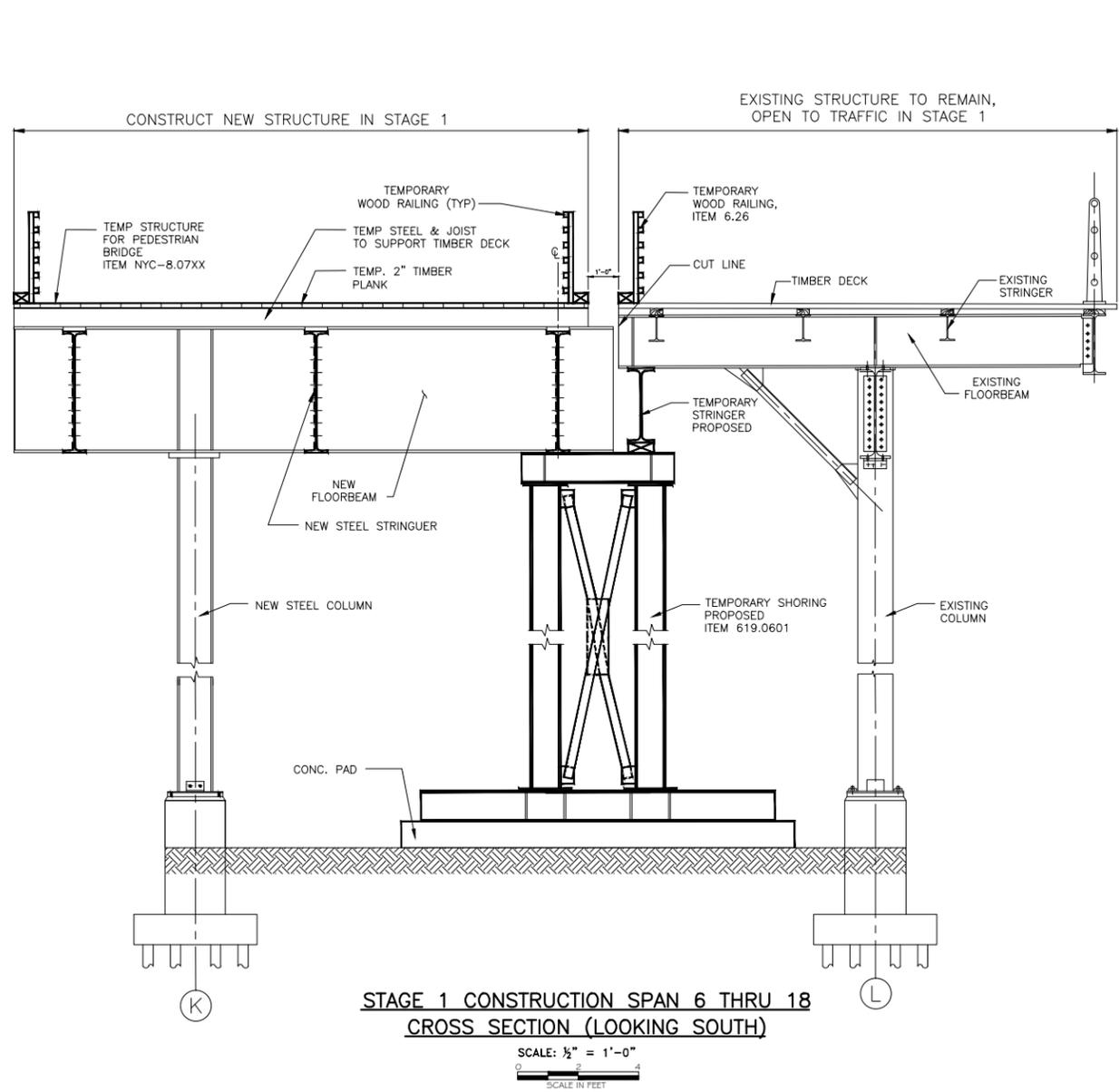
PREPARED BY:
HAKS | **WHIDLINGER ASSOCIATES, INC.**
 Joint Venture

Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:
 12/18/14

DRAWING TITLE DEMOLITION AND CONSTRUCTION STAGING DETAILS, SHEET 1 OF 3			
DESIGNED BY XXXXXX	DRAWN BY XXXXXX	CHECKED BY XXXXXX	
SCALE AS SHOWN	DRAWING NO. S-15	CONTRACT NO. HBPED700Q	
DATE 12/18/14	SHEET NO. 24 OF 58 SHEETS		

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		25	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



NOTES

1. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
2. FOR SEQUENCE OF WORK, SEE DWGS. S-13 AND S-14
3. FOR TEMPORARY SECTIONS, SEE DWG. S-17
4. FOR EXISTING BRIDGE FRAMING PLANS SEE DWGS. S-18 THRU S-20
5. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

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Long Island City, New York, 11101

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Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
DEMOLITION AND CONSTRUCTION STAGING DETAILS, SHEET 2 OF 3

DESIGNED BY A. ROSTAMIZADEH	DRAWN BY L. GRINBERG	CHECKED BY Q. HASHMI
SCALE 1/2" = 1'-0"	DRAWING NO. S-16	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 25 OF 58 SHEETS	

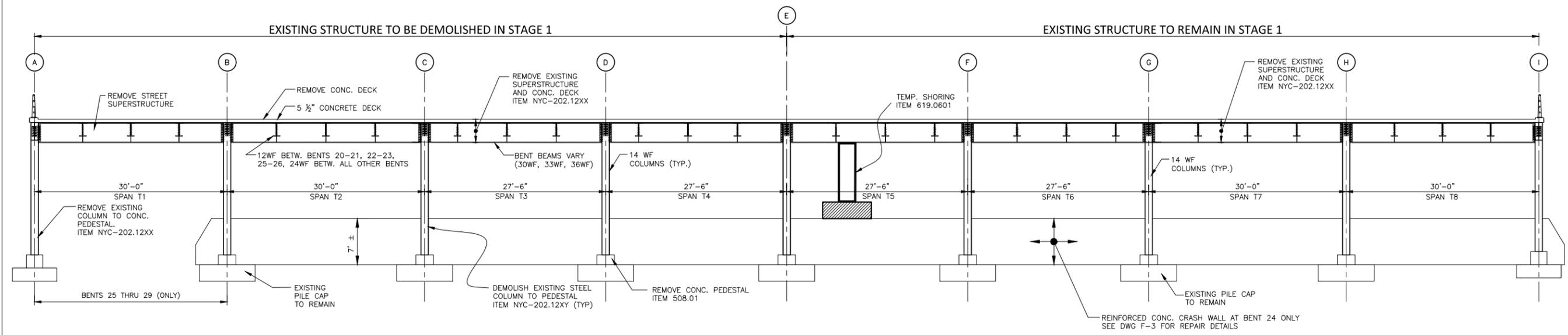
PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES, INC.**
Joint Venture

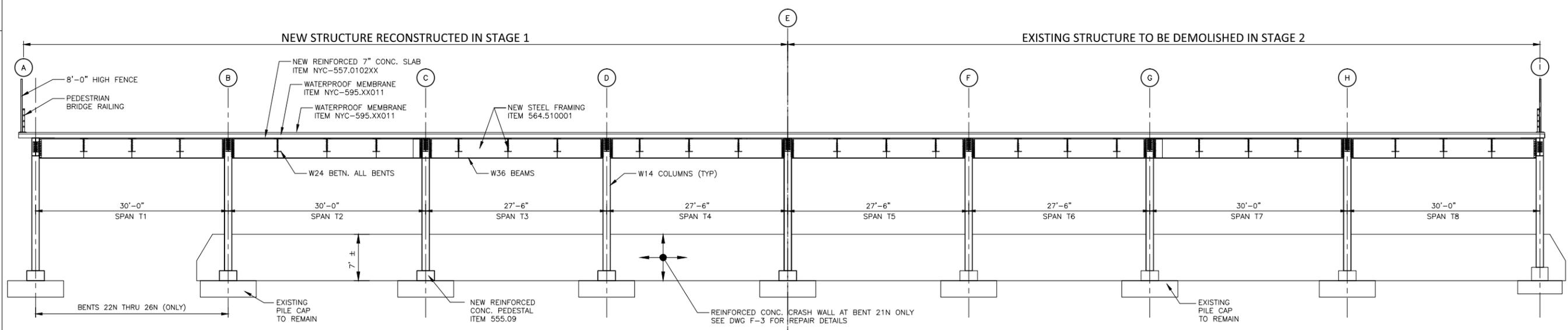
Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:
12/18/14

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		26	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



EXISTING SECTION BENTS 24 THRU 29 (LOOKING SOUTH)
SCALE: NTS



PROPOSED SECTION BENTS 21N THRU 26N (LOOKING SOUTH)
SCALE: NTS

NOTES

1. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
2. FOR SEQUENCE OF WORK, SEE DWGS. S-13 AND S-14
3. FOR TEMPORARY SUPPORT, SEE DWGS. S-16
4. FOR EXISTING BRIDGE FRAMING PLANS SEE DWGS. S-18 THRU S-20
5. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

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PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

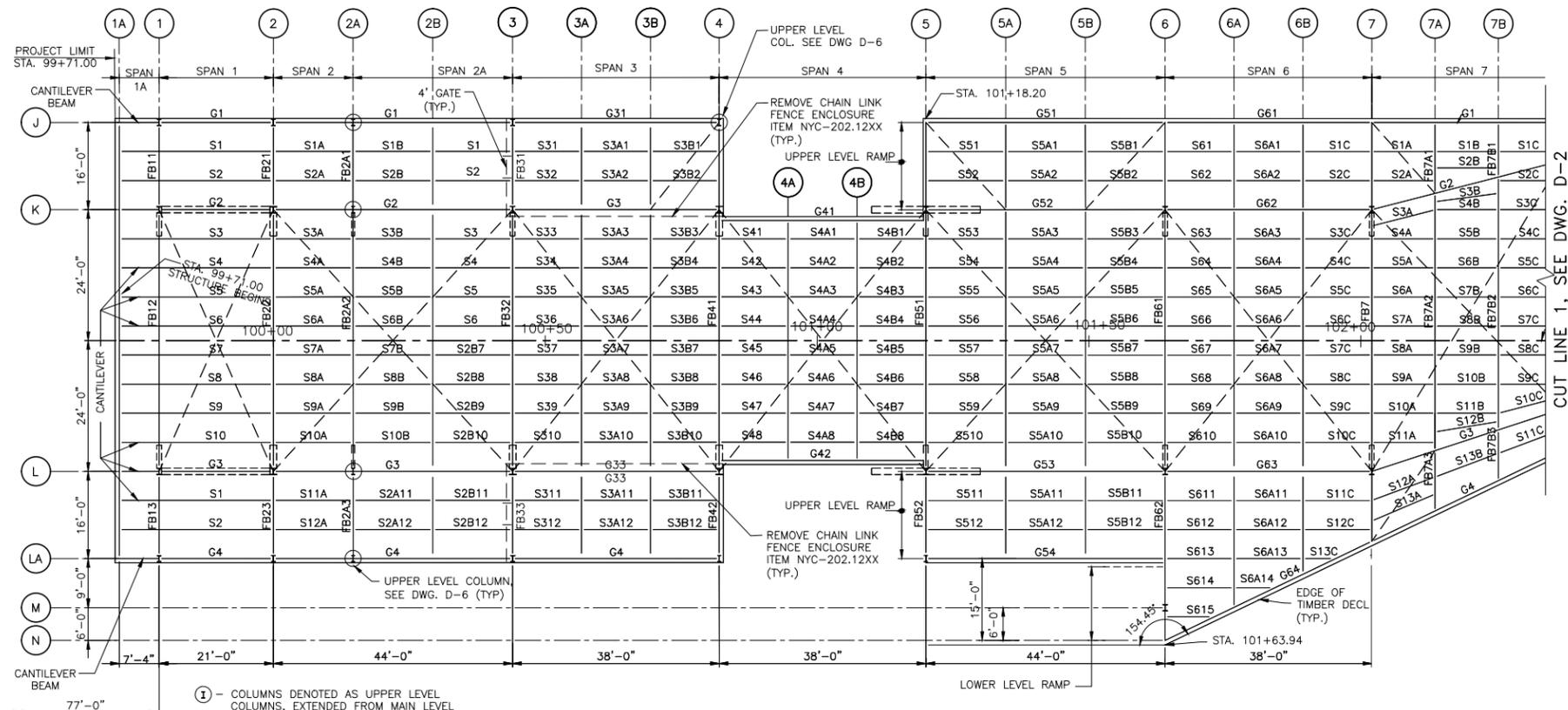
DRAWING TITLE
DEMOLITION AND CONSTRUCTION STAGING DETAILS, SHEET 3 OF 3

PREPARED BY:
HAKS **WEIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:
12/18/14

DESIGNED BY	DRAWN BY	CHECKED BY
SCALE	DRAWING NO.	CONTRACT NO.
	5-17	HBPED700Q
DATE	SHEET NO. 26 OF 58 SHEETS	
12/18/14		



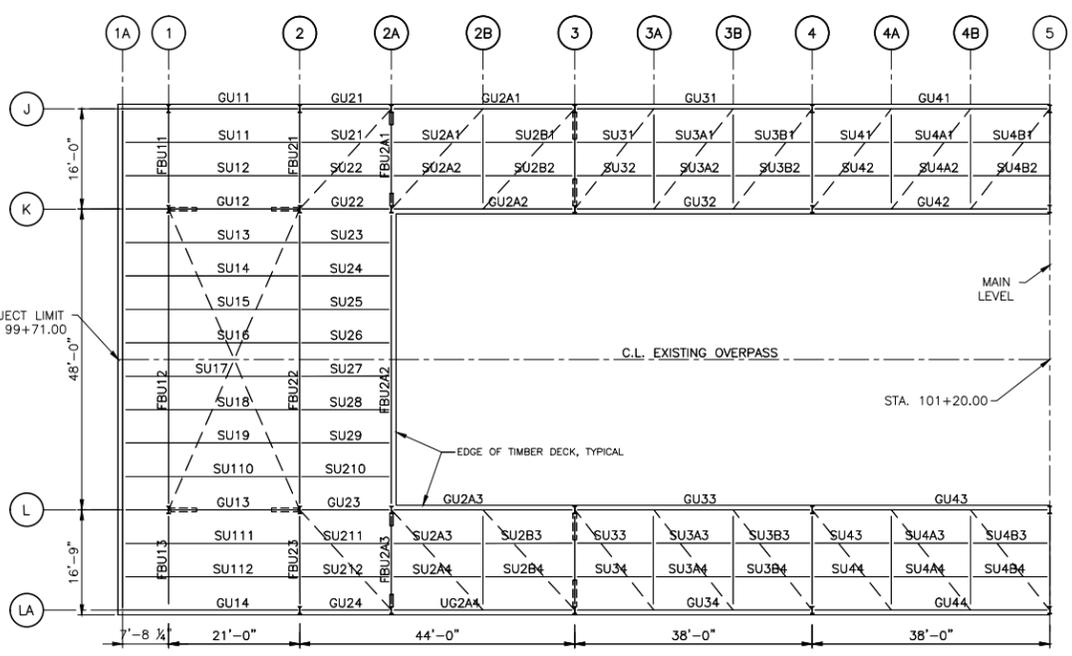
EXISTING FRAMING PLAN MAIN LEVEL
 SCALE: 3/32"=1'-0"
 SCALE IN FEET

NOTES

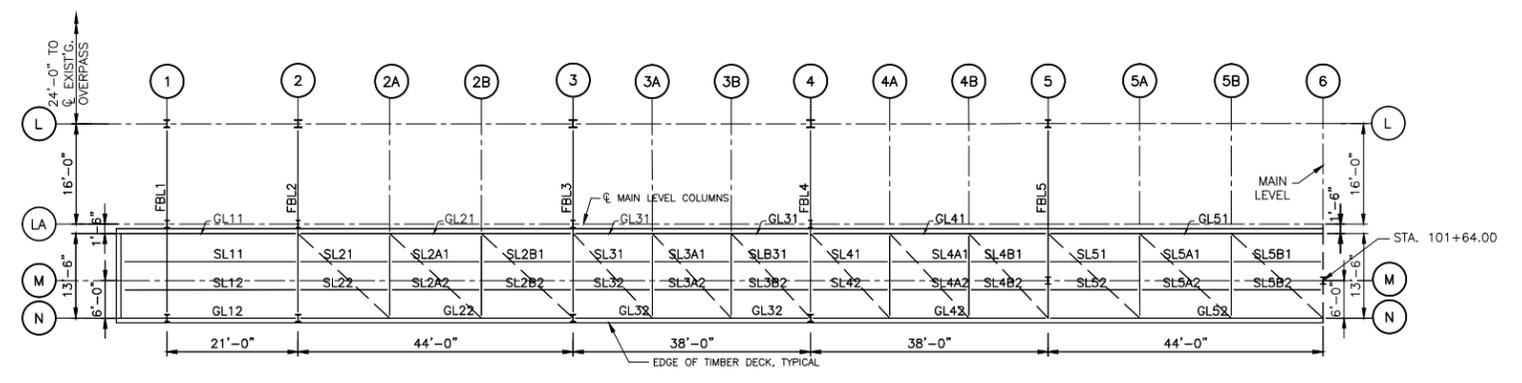
- FOR DEMOLITION AND CONSTRUCTION STAGING PLANS, SEE DWGS. S-13 AND S-14
- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
- FOR ADDITIONAL FRAMING PLANS, SEE DWGS. S-19 AND S-20
- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

FRAMING SCHEDULE - SPANS 1 THRU 18		
MEMBER TYPE	APPROX. QUANTITY	APPROX. WEIGHT
STRINGERS	535	230,000 LB
FLOORBEAMS	118	290,000 LB
GIRDERS	82	425,000 LB
COLUMNS	45	65,000 LB

* FOR INFORMATION ONLY



EXISTING FRAMING PLAN UPPER LEVEL AND RAMP
 SCALE: 3/32"=1'-0"
 SCALE IN FEET



EXISTING FRAMING PLAN LOWER LEVEL RAMP
 SCALE: 3/32"=1'-0"
 SCALE IN FEET

New York City Department of
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City of New York
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The Arsenal
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PREPARED BY:
HAKS | **WHIDLINGER ASSOCIATES INC**
 Joint Venture

Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: 12/18/14

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

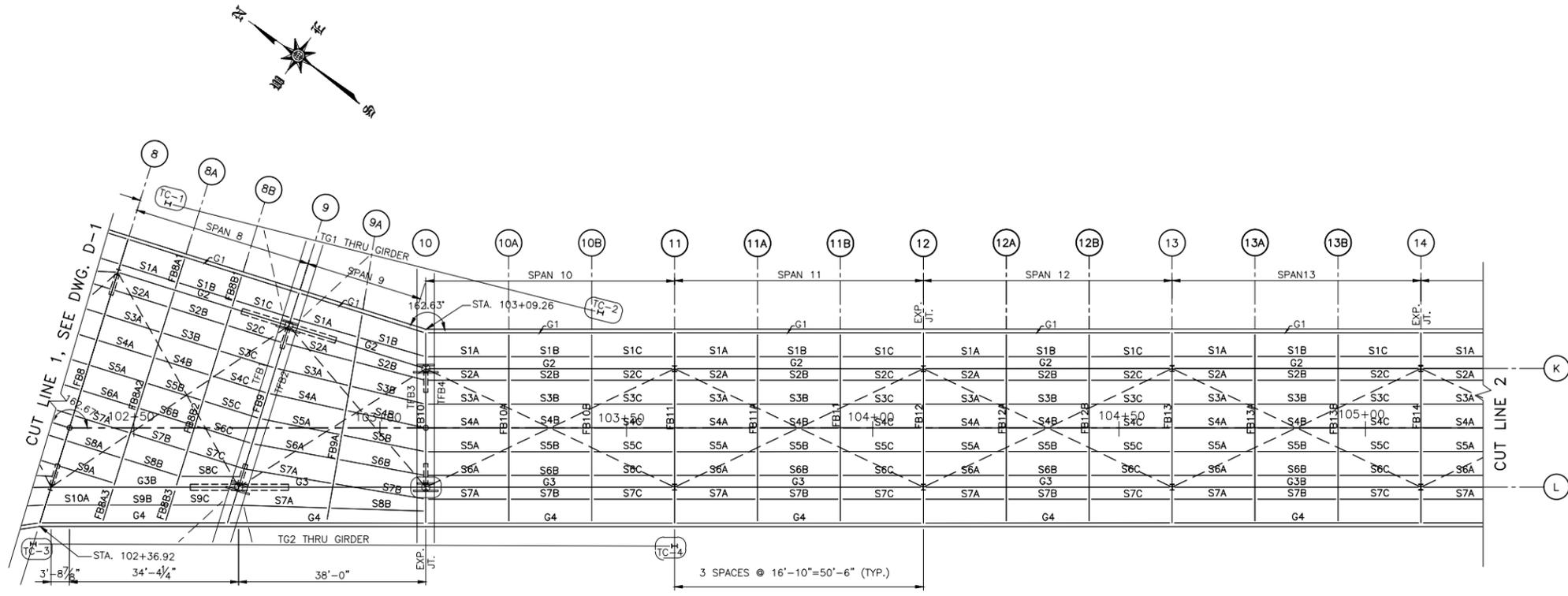
DRAWING TITLE: EXISTING FRAMING PLAN, SHEET 1 OF 3

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/32"=1'-0"	DRAWING NO.: S-18	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 27 OF 58 SHEETS

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		28	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

NOTES

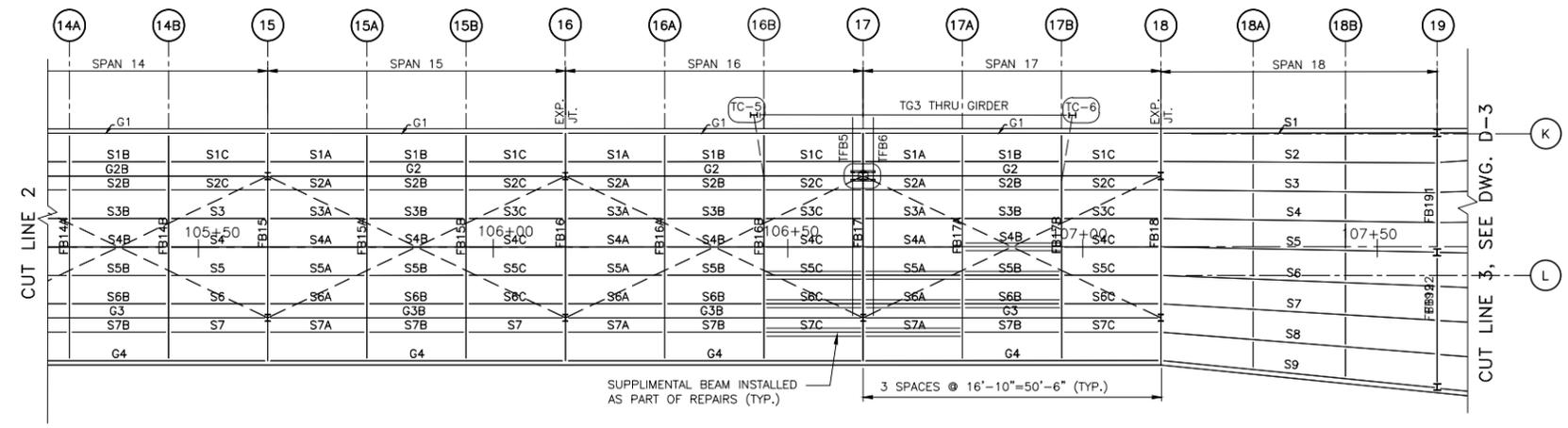
1. FOR DEMOLITION AND CONSTRUCTION STAGING PLANS, SEE DWGS. S-13 AND S-14
2. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
3. FOR ADDITIONAL FRAMING PLANS, SEE DWGS. S-18 AND S-20
4. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27



EXISTING FRAMING PLAN MAIN LEVEL

SCALE: 3/32"=1'-0"

 SCALE IN FEET



EXISTING FRAMING PLAN MAIN LEVEL

SCALE: 3/32"=1'-0"

 SCALE IN FEET

New York City Department of
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City of New York
Parks & Recreation
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Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
EXISTING FRAMING PLAN, SHEET 2 OF 3

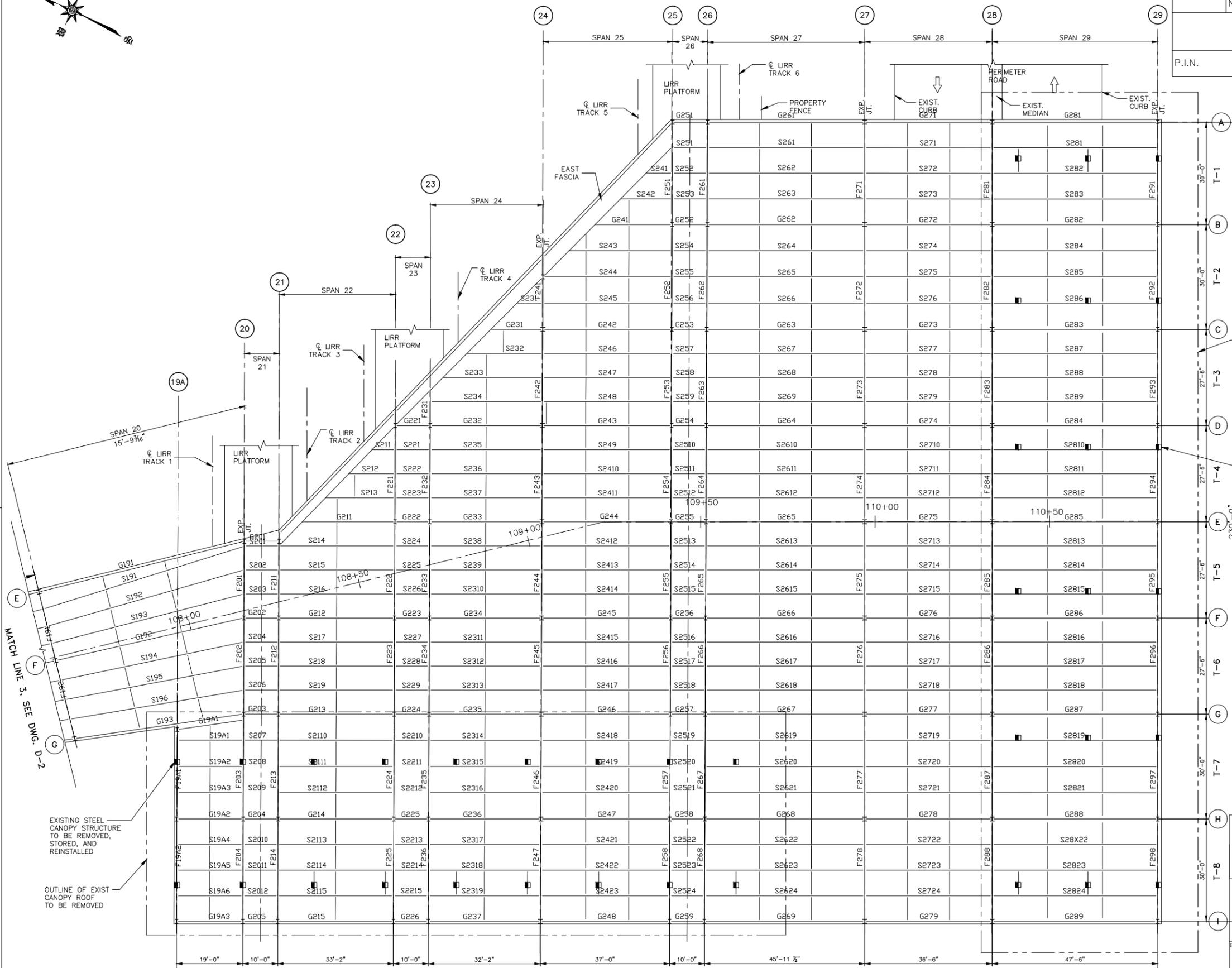
DESIGNED BY A. ROSTAMIZADEH	DRAWN BY L. GRINBERG	CHECKED BY Q. HASHMI
SCALE 3/32"=1'-0"	DRAWING NO. S-19	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 28 OF 58 SHEETS	

PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
 Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:



- NOTES**
- FOR DEMOLITION AND CONSTRUCTION STAGING PLANS, SEE DWGS. S-13 AND S-14
 - FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
 - FOR ADDITIONAL FRAMING PLANS, SEE DWGS. S-18 AND S-19
 - FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

OUTLINE OF EXIST CANOPY ROOF TO BE REMOVED

EXISTING STEEL CANOPY STRUCTURE TO BE REMOVED, STORED, AND REINSTALLED

- LEGEND**
- (N) EXISTING BENT/GRIDLINE
 - EXISTING CANOPY COLUMN

MATCH LINE 3, SEE DWG. D-2

EXISTING STEEL CANOPY STRUCTURE TO BE REMOVED, STORED, AND REINSTALLED

OUTLINE OF EXIST CANOPY ROOF TO BE REMOVED

New York City Department of Design & Construction

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Central Park
New York, New York 10065

281'-3"±
EXISTING FRAMING PLAN AT MAIN LEVEL
SCALE: 3/32"=1'-0"

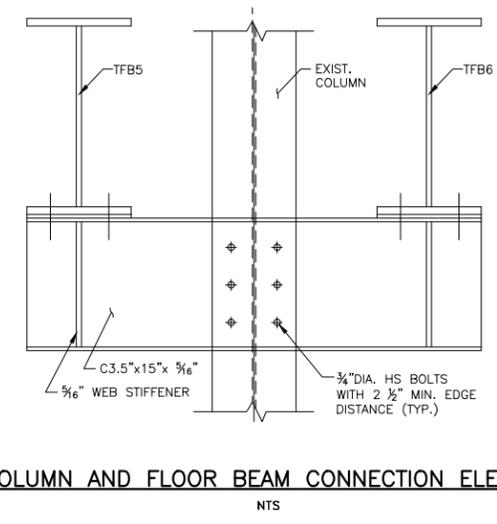
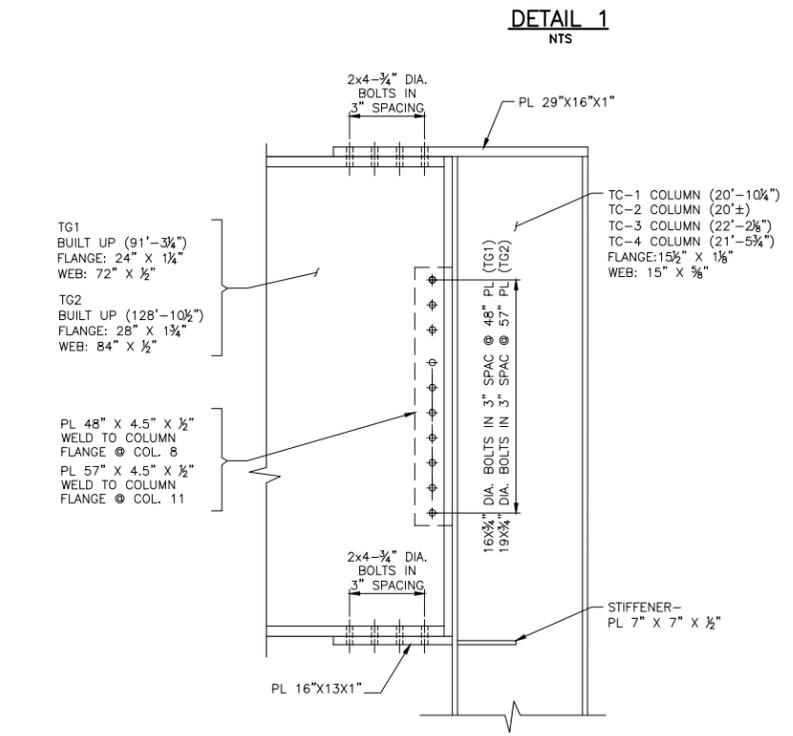
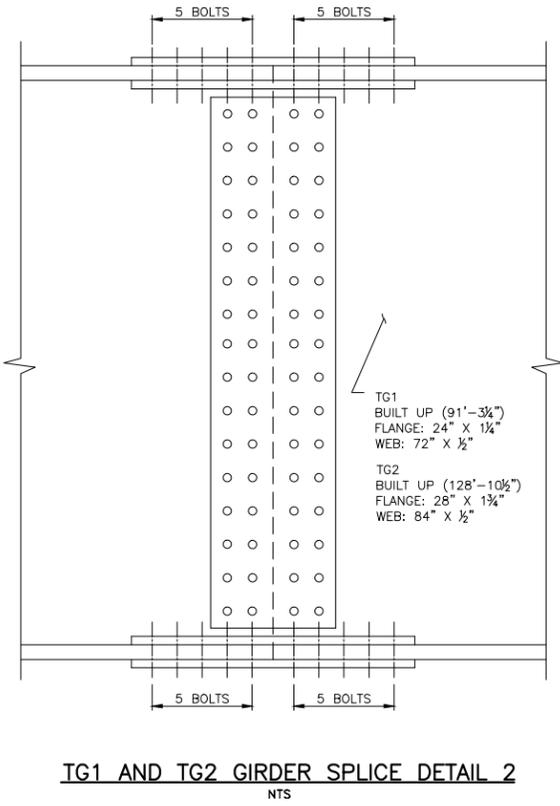
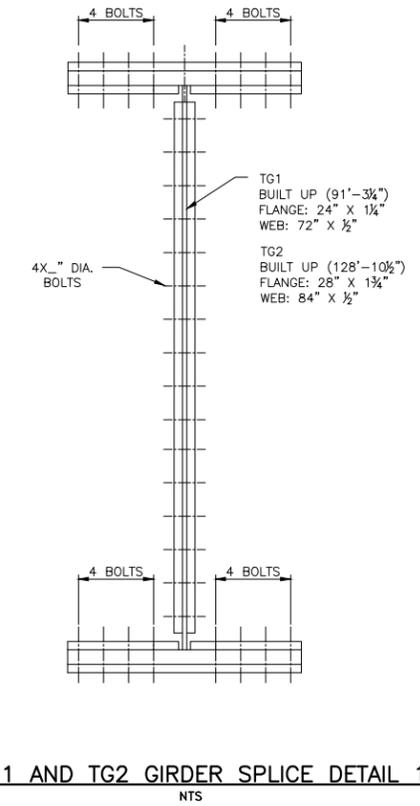
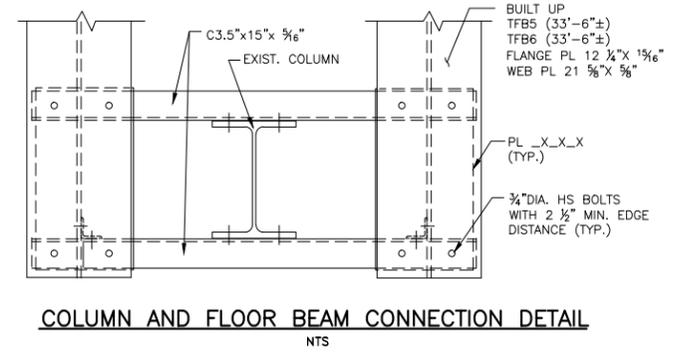
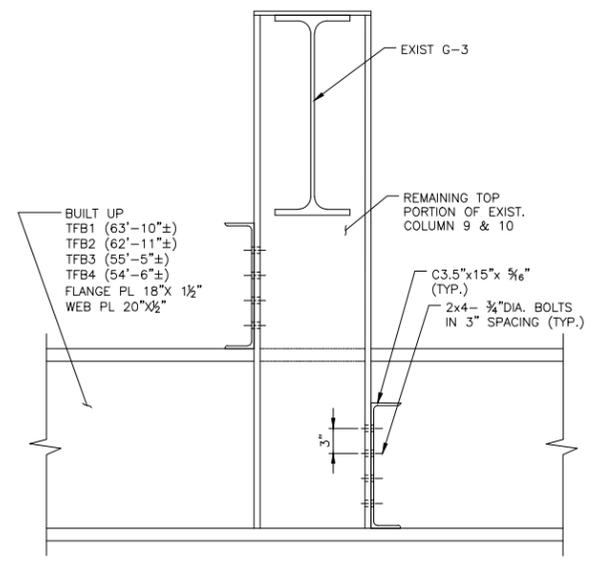
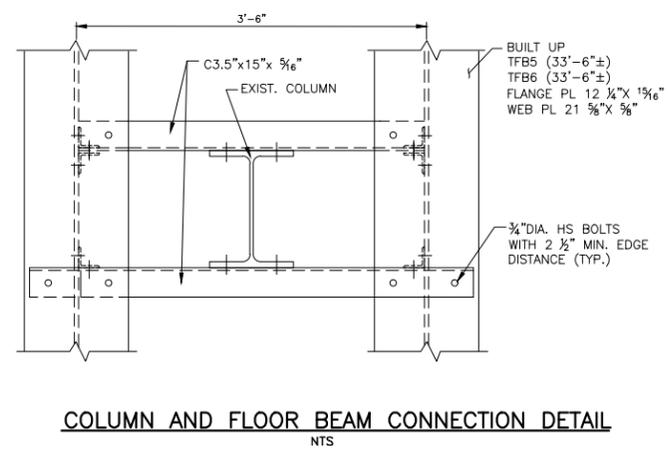
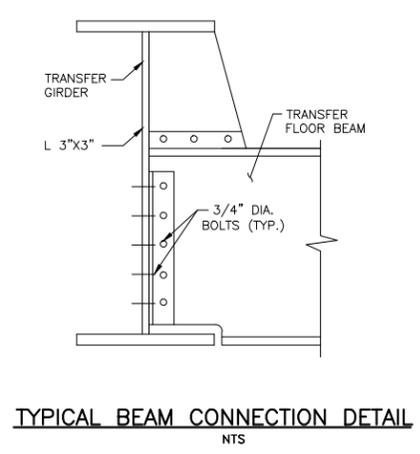
PREPARED BY:

HAKS WEIDLINGER ASSOCIATES[®] INC
Joint Venture

DATE: 12/1/14
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

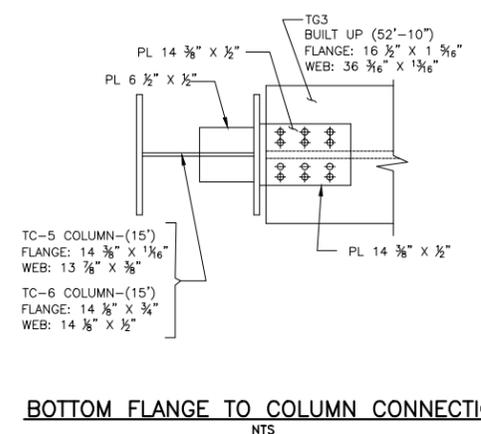
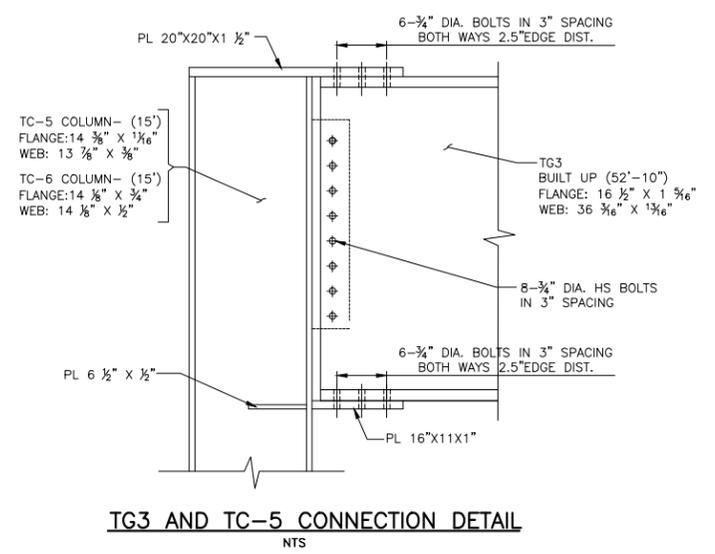
PROJECT TITLE RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE			
DRAWING TITLE EXISTING FRAMING PLAN - SHEET 3 OF 3			
DESIGNED BY J. AW-YONG	DRAWN BY T. KO	CHECKED BY J. HU	CONTRACT NO. HBPED700Q
SCALE 3/32"=1'-0"	DRAWING NO. S-20	SHEET NO. 29 OF 58 SHEETS	
DATE 12/1/14			

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		30	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS		B.I.N.	



NOTES

- FOR EXISTING BRIDGE CROSS SECTIONS, SEE DWGS. S-7 THRU S-9
- FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20



PREPARED BY:

HAKS | **WIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI | DATE: 12/18/14
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

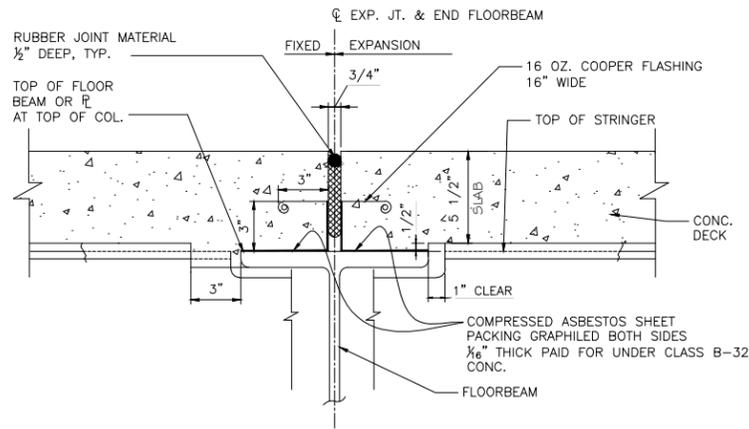
City of New York Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: MISC. DETAILS EXISTING STRUCTURE, SHEET 1 OF 4

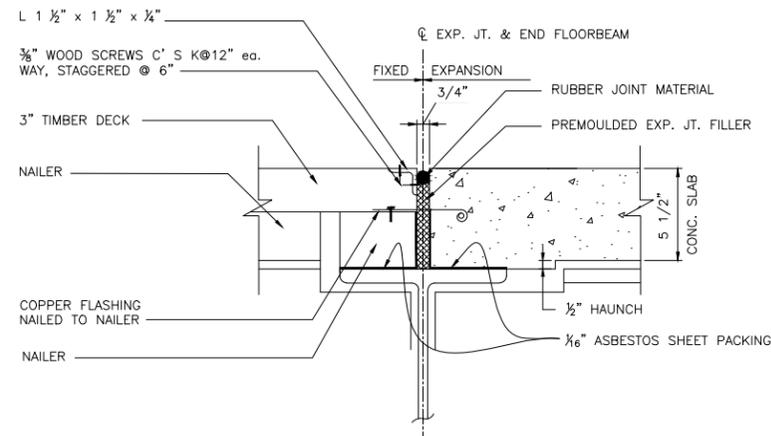
DESIGNED BY	DRAWN BY	CHECKED BY
		Q. HASHMI
SCALE: NTS	DRAWING NO.: S-21	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 30 OF 58 SHEETS

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		31	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS		B.I.N.	



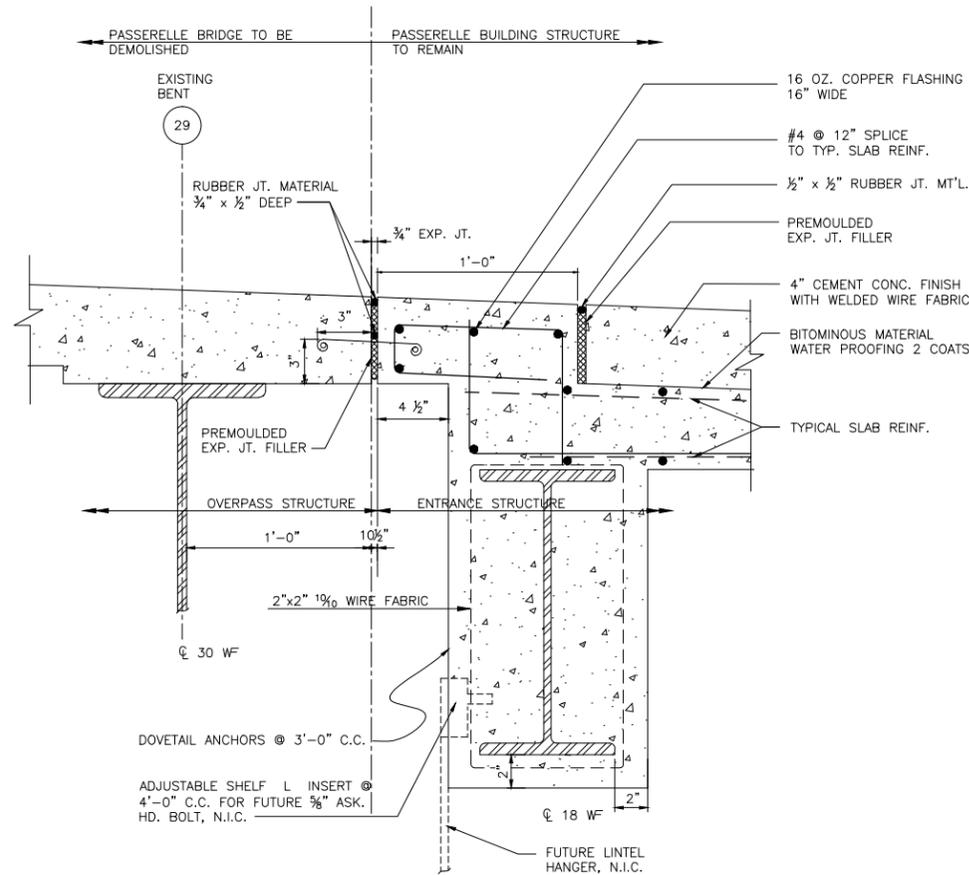
EXP. JOINT DETAIL AT FLOORBEAM

SCALE IN FEET



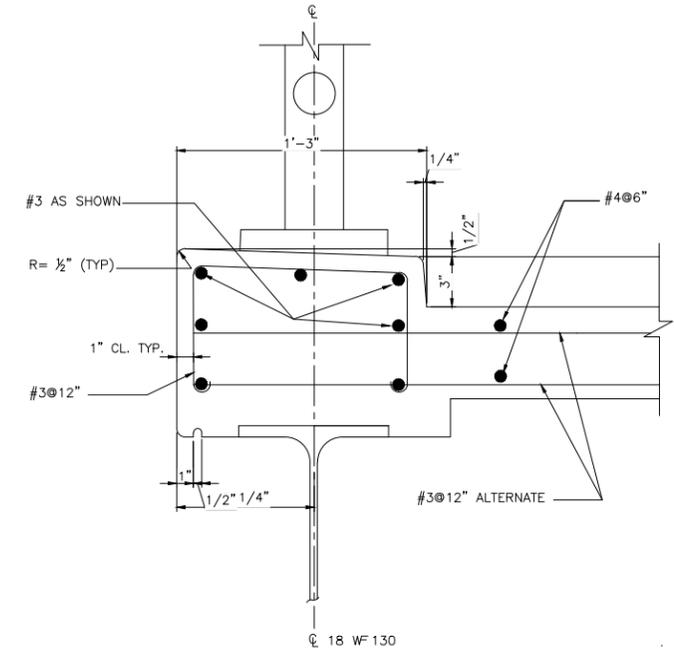
EXPANSION JOINT DETAIL BETWEEN TIMBER DECK AND CONC. DECK

SCALE IN FEET



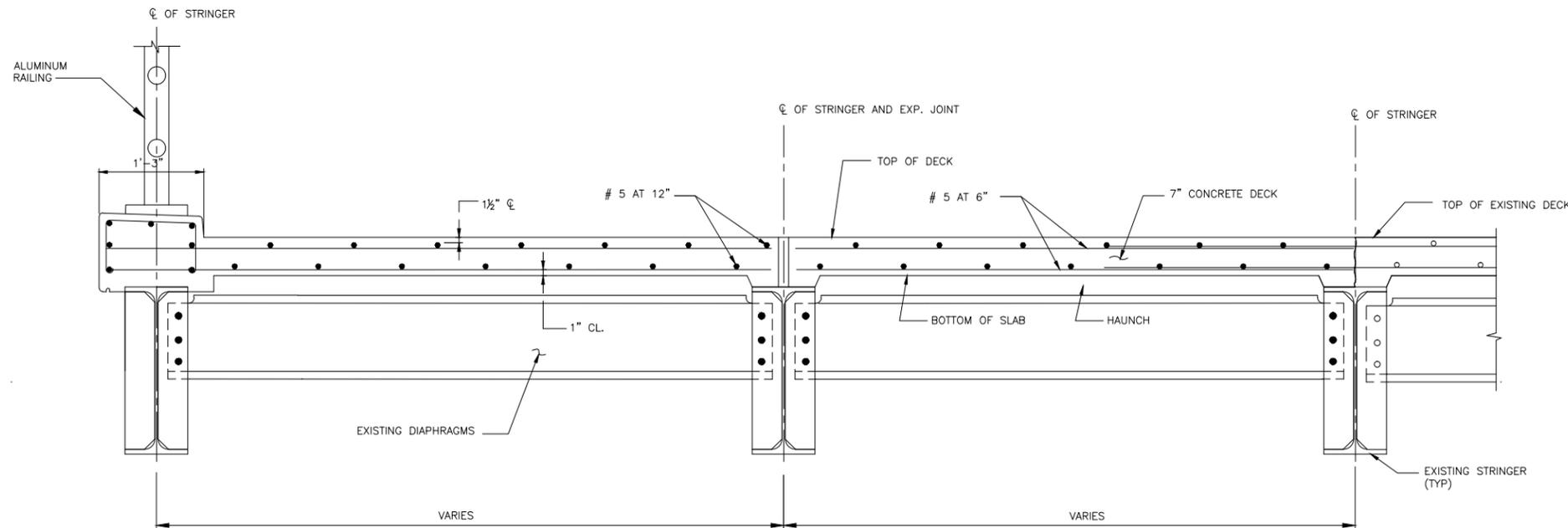
EXPANSION JOINT DETAIL BETWEEN BRIDGE DECK AND PASSERELLE BUILDING

SCALE IN FEET



CONCRETE FASCIA DETAIL

SCALE IN FEET



DECK REINFORCEMENT DETAIL

SCALE IN FEET

NOTES

- FOR EXISTING BRIDGE CROSS SECTIONS, SEE DWGS. S-7 THRU S-9
- FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20

PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES, INC.**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

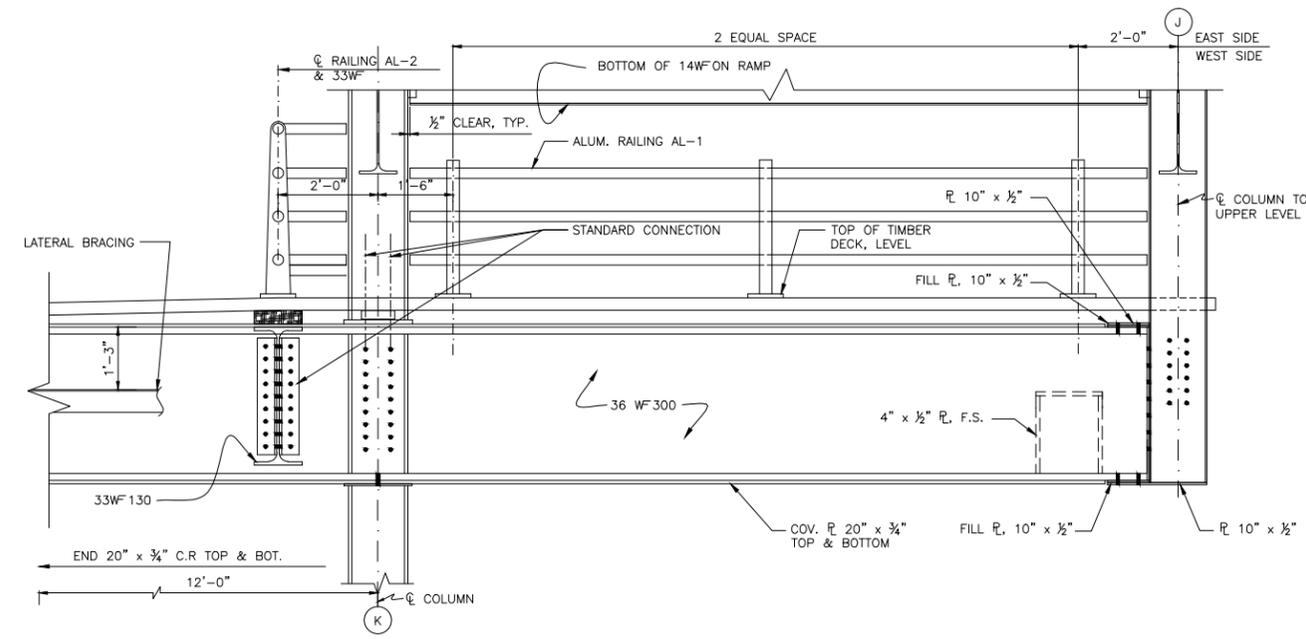
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: MISC. DETAILS EXISTING STRUCTURE, SHEET 2 OF 4

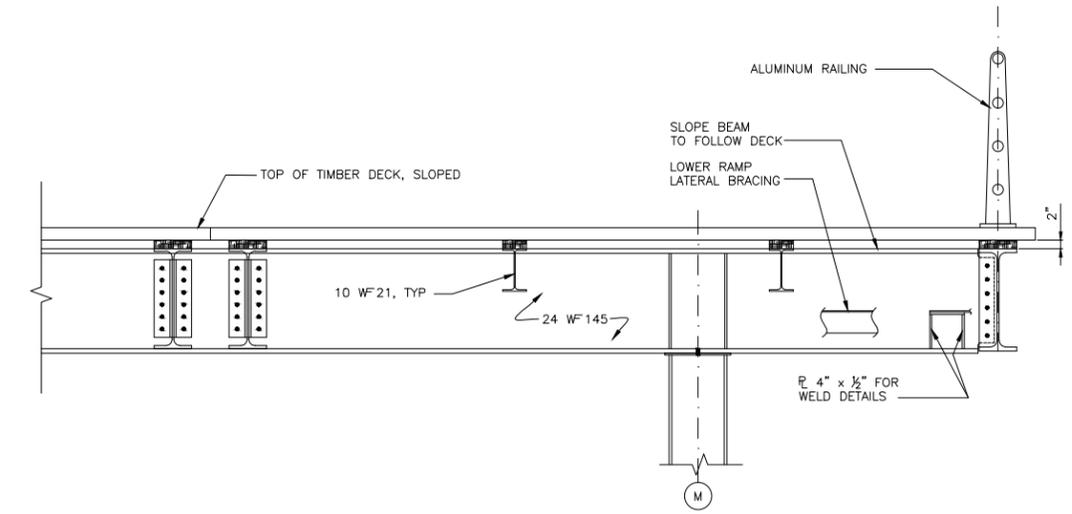
DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: G. SANTOS	CHECKED BY: Q. HASHMI
SCALE: 3/32"=1'-0"	DRAWING NO.: S-22	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 31 OF 58 SHEETS

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		32	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



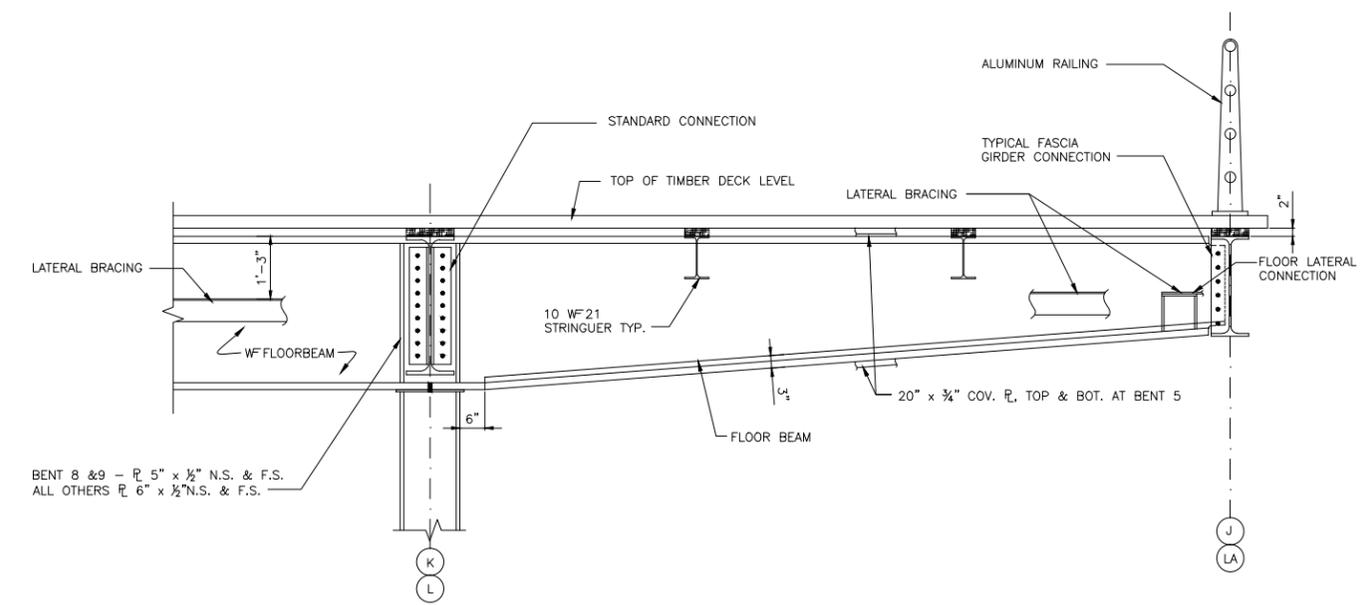
SECTION AT BENT 4 (LOOKING NORTH)

SCALE: 3/4"=1'-0"
SCALE IN FEET



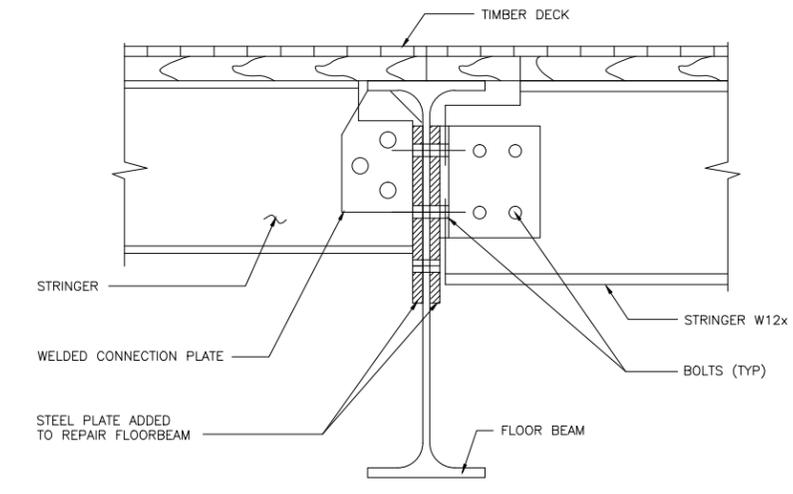
SECTION BETWEEN BENT 6 (LOOKING SOUTH)

SCALE: 3/4"=1'-0"
SCALE IN FEET



**SECTION BETWEEN BENTS 5-9 EAST SIDE (LOOKING NORTH)
BETWEEN BENTS 7-9 WEST SIDE (LOOKING NORTH)**

SCALE: 3/4"=1'-0"
SCALE IN FEET



**TYPICAL STRINGER CONNECTION DETAIL
TIMBER DECK SECTION**

SCALE: 3/4"=1'-0"
SCALE IN FEET

NOTES

1. FOR EXISTING BRIDGE CROSS SECTIONS, SEE DWGS. S-7 THRU S-9
2. FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20

New York City Department of
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City of New York
Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
MISC. DETAILS EXISTING STRUCTURE, SHEET 3 OF 4

DESIGNED BY A. ROSTAMIZADEH	DRAWN BY G. SANTOS	CHECKED BY Q. HASHMI
SCALE 3/32"=1'-0"	DRAWING NO. 5-23	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 32 OF 58 SHEETS	

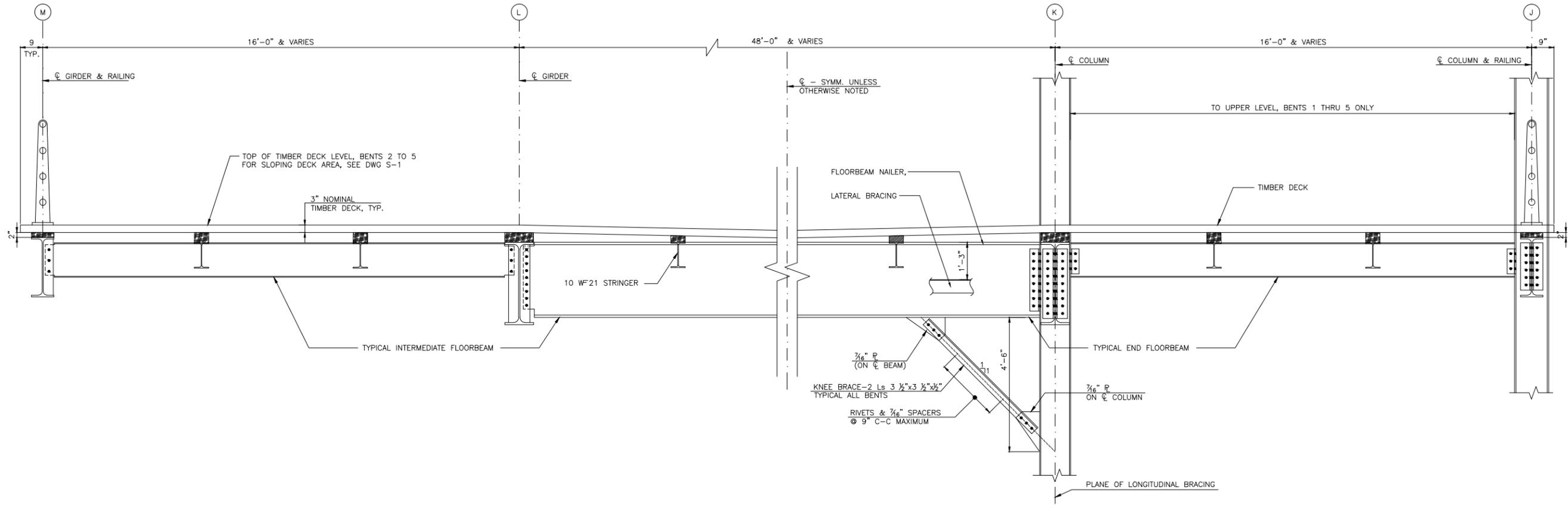
PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: _____

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		33	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



DETAIL BETWEEN BENTS 3 AND 4 (LOOKING NORTH)
SCALE: 3/4"=1'-0"



NOTES

1. FOR EXISTING BRIDGE CROSS SECTIONS, SEE DWGS. S-7 THRU S-9
2. FOR EXISTING FRAMING PLANS, SEE DWGS. S-18 THRU S-20

New York City Department of Design & Construction
30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: MISC. DETAILS EXISTING STRUCTURE, SHEET 4 OF 4

DESIGNED BY: A. ROOSTAMIZADEH	DRAWN BY: G. SANTOS	CHECKED BY: Q. HASHMI
SCALE: AS SHOWN	DRAWING NO.: S-24	CONTRACT NO.: HBPED700Q
DATE: 12/18/14	SHEET NO. 33 OF 58 SHEETS	

PREPARED BY:

Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

NOTES

- FOR STRUCTURAL NOTES, SEE DWG. G-3
- FOR CONSTRUCTION SEQUENCE, SEE DWG. S-13 AND S-14
- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
- FOR PROPOSED BRIDGE DECK PLANS SEE DWGS. S-28 THRU S-30
- FOR PROPOSED BRIDGE CROSS SECTIONS, SEE DWGS. S-10 THRU S-12

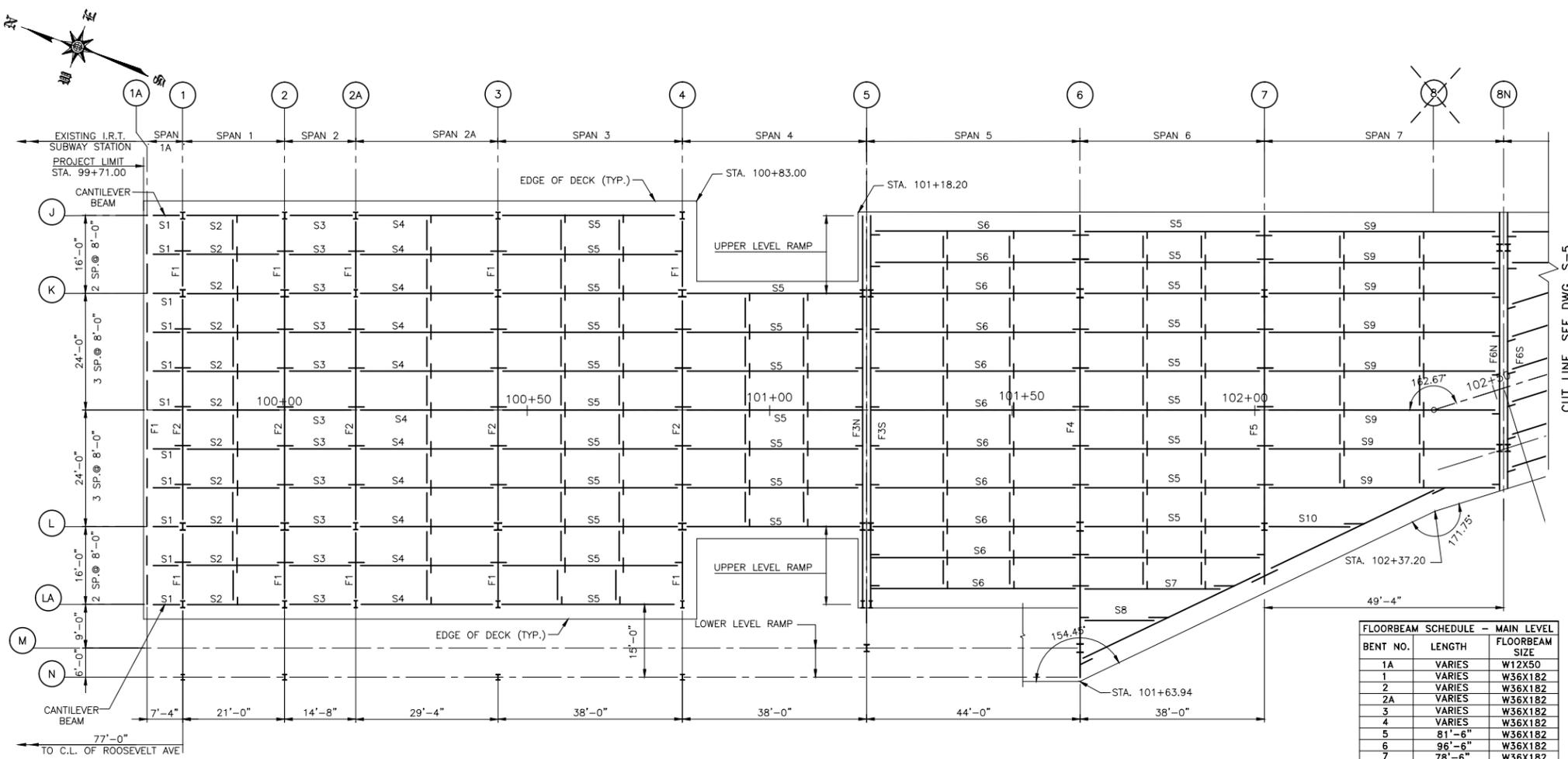
SPAN NO.	SPAN LENGTH	STRINGER DESIGNATION	STRINGER SIZE
1A	7'-4"	S1	W12X50
1	21'-0"	S2	W12X50
2	14'-8"	S3	W12X50
2A	29'-4"	S4	W14X74
3	38'-0"	S5	W18X97
4	38'-0"	S5	W18X97
5	44'-0"	S6	W18X97
6	38'-0"	S5,S7,S8	W18X97
7	49'-4"	S5,S7,S8	W24X131
		S11,S12	W24X131
8	88'-3"	G1	WEB 45 3/4"x5/8" TOP FLANGE 12"x11" BOTTOM FLANGE 14"x11 1/4"

SPAN NO.	SPAN LENGTH	STRINGER DESIGNATION	STRINGER SIZE
1A	7'-4"	S1	W12X50
1	21'-0"	S2	W12X50
2	14'-8"	S3	W12X50
2A	29'-4"	S4	W14X74
3	38'-0"	S5	W18X97
4	38'-0"	S5	W18X97
5	44'-0"	S6	W18X97

SPAN NO.	SPAN LENGTH	STRINGER DESIGNATION	STRINGER SIZE
1A	7'-4"	S1	W12X50
1	21'-0"	S2	W12X50
2	14'-8"	S3	W12X50
2A	29'-4"	S4	W14X74
3	38'-0"	S5	W18X97
4	38'-0"	S5	W18X97
5	44'-0"	S6	W18X97
6	38'-0"	S5,S7,S8	W18X97

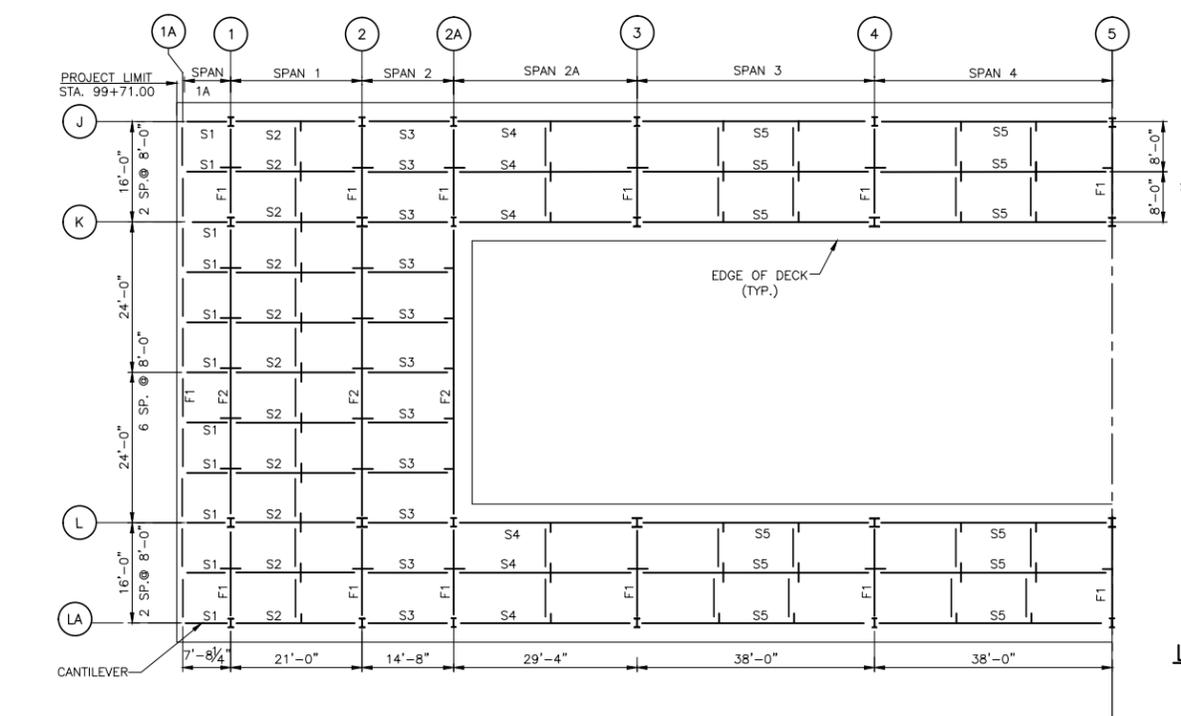
BENT NO.	LENGTH	FLOORBEAM SIZE
1A	VARIES	W12X50
1	VARIES	W36X182
2	VARIES	W36X182
2A	VARIES	W36X182
3	VARIES	W36X182
4	VARIES	W36X182
5	81'-6"	W36X182
6	96'-6"	W36X182
7	78'-6"	W36X182
8	57'-0"	W36X182

BENT NO.	LENGTH	FLOORBEAM SIZE
1A	VARIES	W12X50
1	VARIES	W24X131
2	VARIES	W24X131
2A	VARIES	W24X131
3	VARIES	W24X131
4	VARIES	W24X131
5	VARIES	W24X131
6	VARIES	W24X131



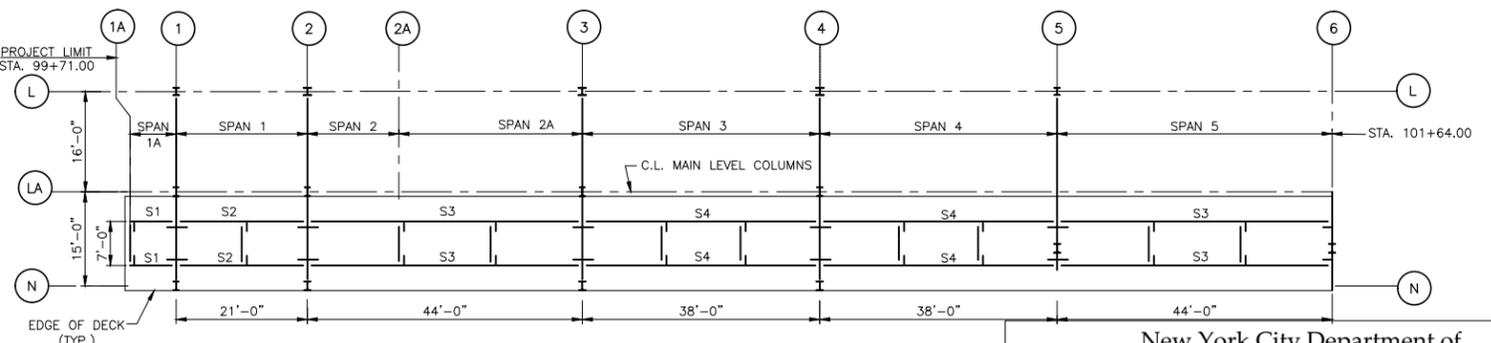
FRAMING PLAN MAIN LEVEL

SCALE: 3/32"=1'-0"
SCALE IN FEET



FRAMING PLAN UPPER LEVEL AND RAMP

SCALE: 3/32"=1'-0"
SCALE IN FEET



FRAMING PLAN LOWER LEVEL RAMP

SCALE: 3/32"=1'-0"
SCALE IN FEET

- LEGEND**
- EXISTING GRIDLINE TO BE REMOVED
 - PROPOSED GRIDLINE ADDED

New York City Department of Design & Construction
30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York
Parks & Recreation
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Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

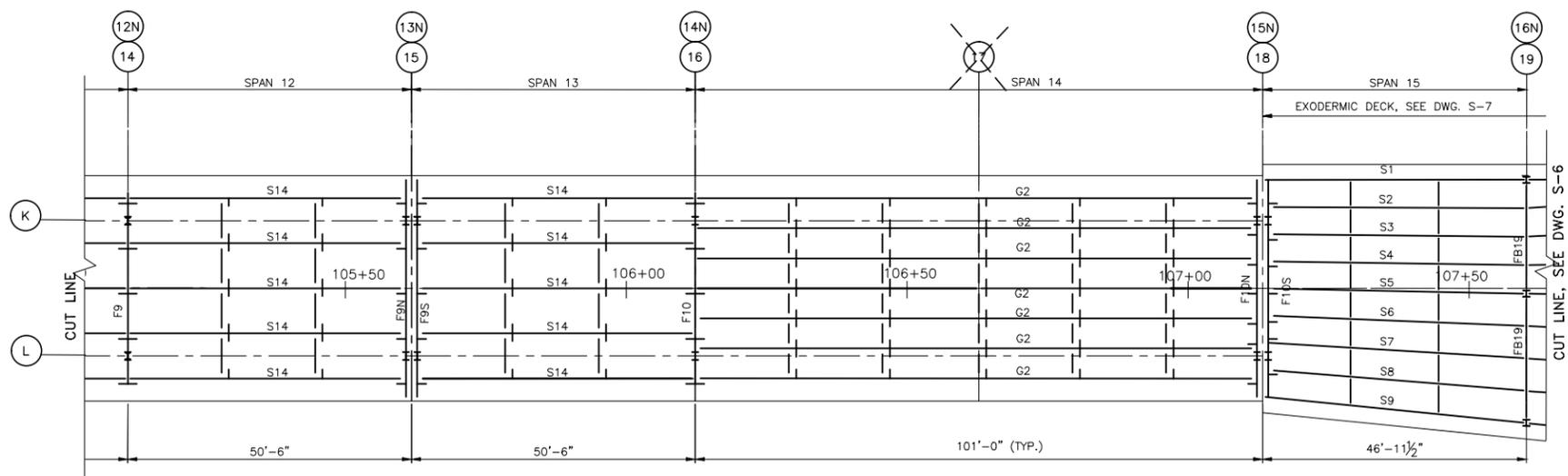
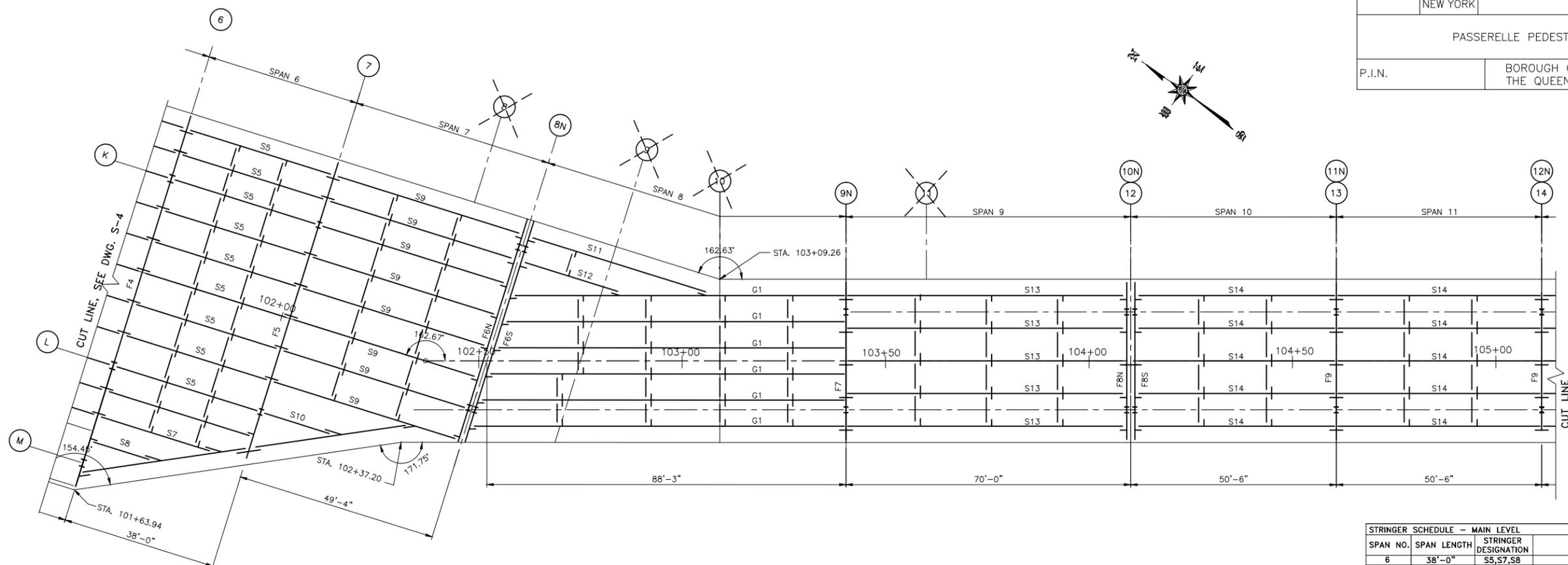
DRAWING TITLE: PROPOSED FRAMING PLAN, SHEET 1 OF 3		
DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/32"=1'-0"	DRAWING NO.: S-25	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 34 OF 58 SHEETS

PREPARED BY:

HAKS **WEIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: _____



SPAN NO.	SPAN LENGTH	STRINGER DESIGNATION	STRINGER SIZE
6	38'-0"	S5, S7, S8	W18X97
7	49'-4"	S5, S7, S8	W24X131
		S11, S12	W24X131
8	88'-3"	G1	WEB 45 1/2" X 3/8" TOP FLANGE 12" X 1" BOTTOM FLANGE 14" X 1 1/2"
9	70'-0"	S13	W36X160
10	50'-6"	S14	W24X131
11	50'-6"	S14	W24X131
12	50'-6"	S14	W24X131
13	50'-6"	S14	W24X131
14	101'-0"	G2	WEB 45 1/2" X 3/8" TOP FLANGE 14" X 1 1/2" BOTTOM FLANGE 14" X 1 1/2"

BENT NO.	LENGTH	FLOORBEAM SIZE
7	78'-6"	W36X182
8	57'-0"	W36X182
9	36'-0"	W36X182
10	36'-0"	W36X210
11	36'-0"	W36X280
12	36'-0"	W36X280
13	36'-0"	W36X182
14	36'-0"	WEB 45 1/2" X 1 1/2" TOP FLANGE 14" X 1 1/2" BOTTOM FLANGE 14" X 1 1/2"
15	36'-0"	WEB 45 1/2" X 1 1/2" TOP FLANGE 14" X 1 1/2" BOTTOM FLANGE 14" X 1 1/2"

FRAMING PLAN MAIN LEVEL
SCALE: 3/32" = 1'-0"
SCALE IN FEET

- LEGEND**
- EXISTING GRIDLINE TO BE REMOVED
 - PROPOSED GRIDLINE ADDED

- NOTES**
- FOR STRUCTURAL NOTES, SEE DWG. G-3
 - FOR CONSTRUCTION SEQUENCE, SEE DWG. S-13 AND S-14
 - FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
 - FOR PROPOSED BRIDGE DECK PLANS SEE DWGS. S-28 THRU S-30
 - FOR PROPOSED BRIDGE CROSS SECTIONS, SEE DWGS. S-10 THRU S-12

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Long Island City, New York, 11101

City of New York Parks & Recreation

The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: PROPOSED FRAMING PLAN, SHEET 2 OF 3

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/32" = 1'-0"	DRAWING NO.: S-26	CONTRACT NO.: HBPED700Q
DATE: 12/18/14	SHEET NO. 35 OF 58 SHEETS	

PREPARED BY:

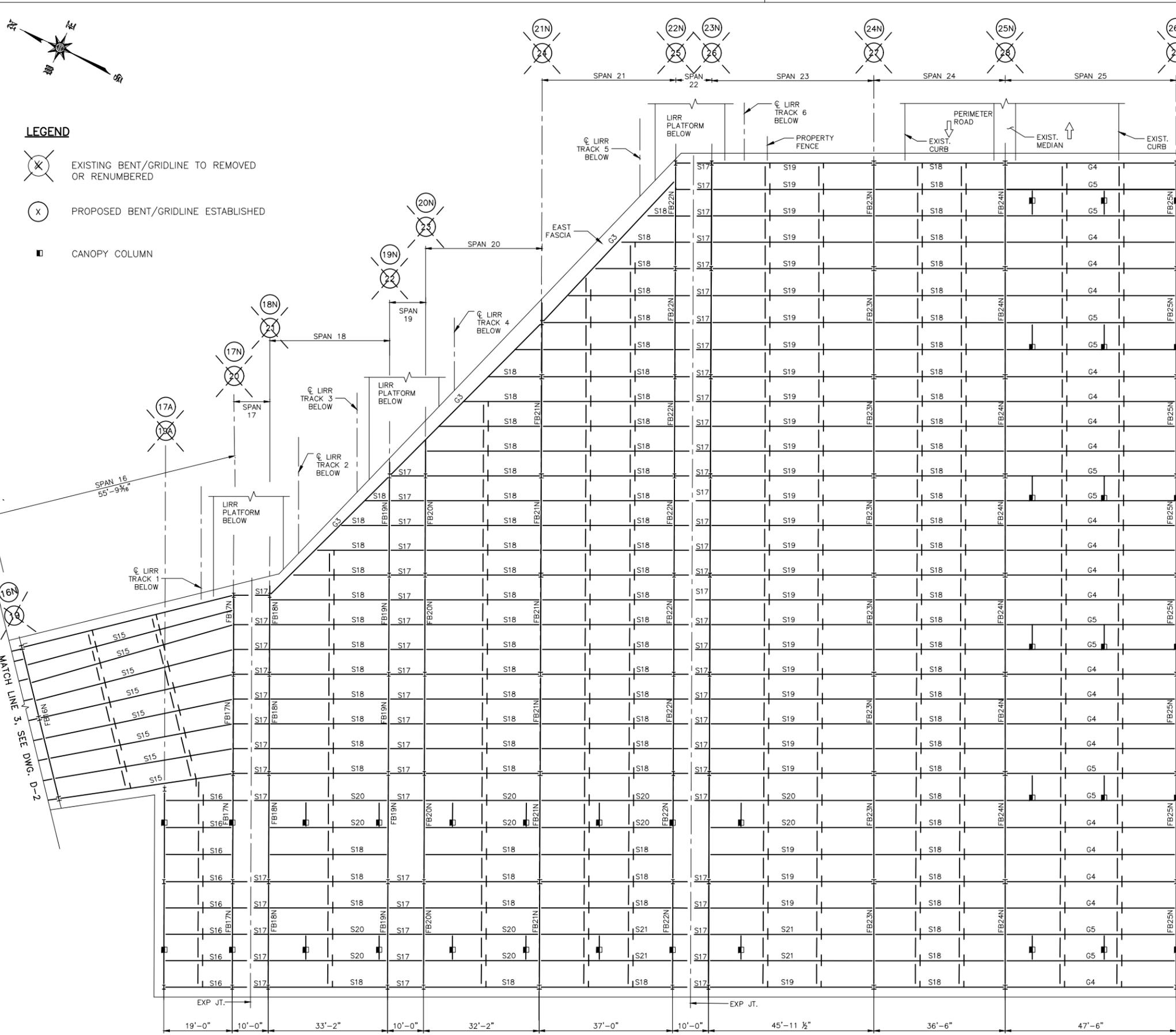
HAKS **WEIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

LEGEND

- EXISTING BENT/GRIDLINE TO REMOVED OR RENUMBERED
- PROPOSED BENT/GRIDLINE ESTABLISHED
- CANOPY COLUMN



SPAN NO.	SPAN LENGTH	STRINGER DESIGNATION	STRINGER SIZE
15	46'-1 1/2"	S15	W24X117
		S16	W24X117
16	55'-9 1/8"	S16	W14X30
		S17	W14X30
18	33'-2"	S18	W24X68
		S20	W24X117
		G3	TOP FLANGE 12"x1 1/4" BOTTOM FLANGE 12"x1 1/4"
		G5	TOP FLANGE 12"x1 1/4" BOTTOM FLANGE 12"x1 1/4"
19	10'-0"	S17	W14X30
		S18	W24X68
20	32'-2"	S17	W24X117
		G3	TOP FLANGE 12"x1 1/4" BOTTOM FLANGE 12"x1 1/4"
		G5	TOP FLANGE 12"x1 1/4" BOTTOM FLANGE 12"x1 1/4"
21	37'-0"	S18	W24X68
		S20	W24X117
22	10'-0"	S17	W14X30
		S19	W24X104
23	45'-1 1/2"	S20	W24X117
		S18	W24X68
25	47'-6"	G4	TOP FLANGE 12"x1 1/4" BOTTOM FLANGE 12"x1 1/4"
		G5	TOP FLANGE 12"x1 1/4" BOTTOM FLANGE 12"x1 1/4"
		G5	TOP FLANGE 12"x1 1/4" BOTTOM FLANGE 12"x1 1/4"

BENT NO.	LENGTH	FLOORBEAM SIZE
16	44'-6"	W33X130
17A	30'-0" (TYP)	W33X141
17	30'-0" (TYP)	W33X141
18	30'-0" (TYP)	W33X141
19	30'-0" (TYP)	W33X141
20	30'-0" (TYP)	W33X141
21	30'-0" (TYP)	W33X141
22	30'-0" (TYP)	W33X141
23	30'-0" (TYP)	W33X141
24	30'-0" (TYP)	W36X170
25	30'-0" (TYP)	W36X194
26	30'-0" (TYP)	W30X132

NOTES

- FOR STRUCTURAL NOTES, SEE DWG. G-3
- FOR CONSTRUCTION SEQUENCE. SEE DWG. S-13 AND S-14
- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6
- FOR PROPOSED BRIDGE DECK PLANS SEE DWGS. S-29 THRU S-31
- FOR PROPOSED BRIDGE CROSS SECTIONS, SEE DWGS. S-10 THRU S-12

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FRAMING PLAN MAIN LEVEL
SCALE: 3/32" = 1'-0"

PREPARED BY: **HAKS** WEIDLINGER ASSOCIATES, INC. Joint Venture
 DATE: _____
 X:XXXXXXXXX NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

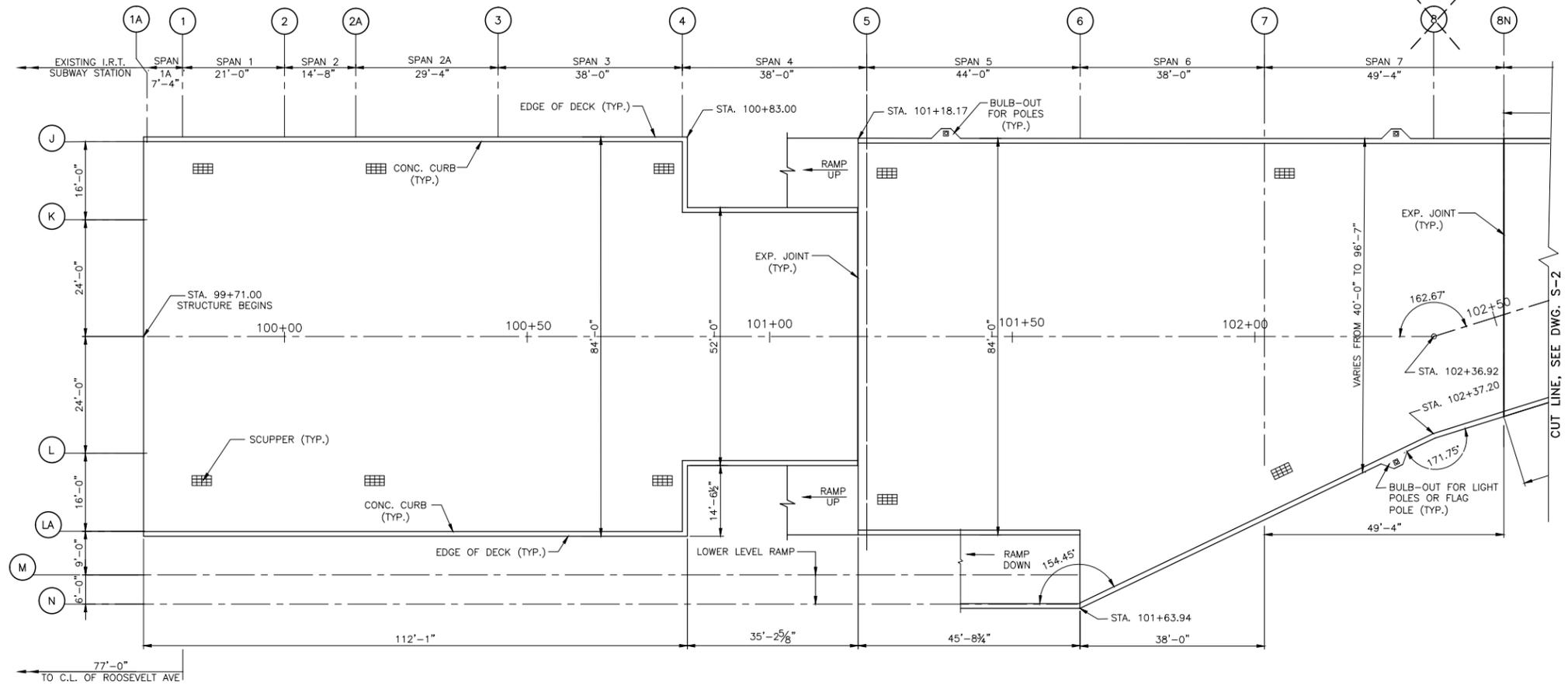
PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE
 DRAWING TITLE: PROPOSED FRAMING PLAN, SHEET 3 OF 3
 DESIGNED BY: J. AW-YONG DRAWN BY: T. MAR CHECKED BY: J. HU
 SCALE: 3/32" = 1'-0" DRAWING NO.: 5-27 CONTRACT NO.: HBPED700Q
 DATE: 12/18/14 SHEET NO. 36 OF 58 SHEETS

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		37	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



NOTES

1. FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6.
2. FOR PROPOSED BRIDGE CROSS SECTIONS, SEE DWGS. S-10 THRU S-12
3. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

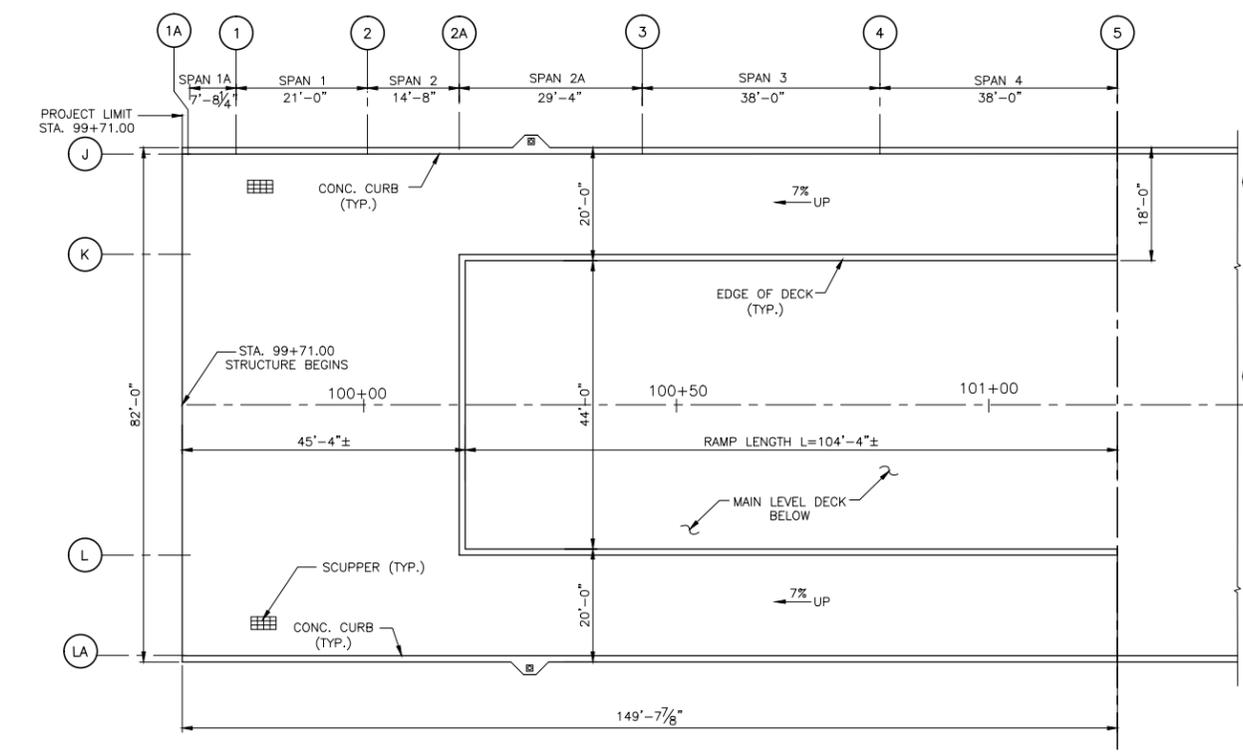


DECK PLAN MAIN LEVEL

SCALE: 3/32"=1'-0"
SCALE IN FEET

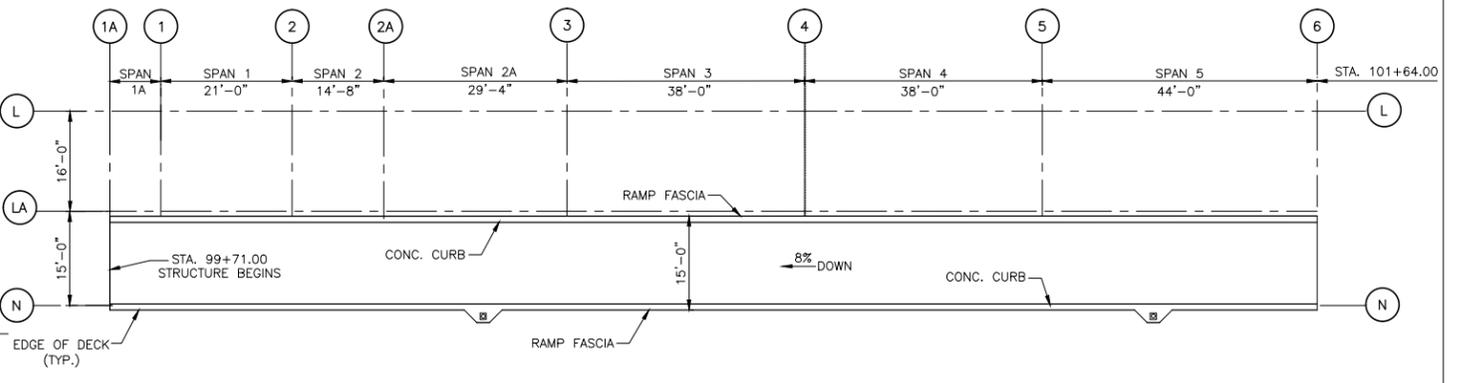
LEGEND

- EXISTING BENT LINE TO BE REMOVED
- PROPOSED BENT LINE



DECK PLAN UPPER LEVEL AND RAMPS

SCALE: 3/32"=1'-0"
SCALE IN FEET



DECK PLAN LOWER LEVEL RAMP

SCALE: 3/32"=1'-0"
SCALE IN FEET

New York City Department of Design & Construction

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City of New York Parks & Recreation

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Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: PROPOSED BRIDGE DECK PLAN, SHEET 1 OF 3

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/32"=1'-0"	DRAWING NO.: S-28	CONTRACT NO.: HBPED700Q
DATE: 12/18/14	SHEET NO. 37 OF 58 SHEETS	

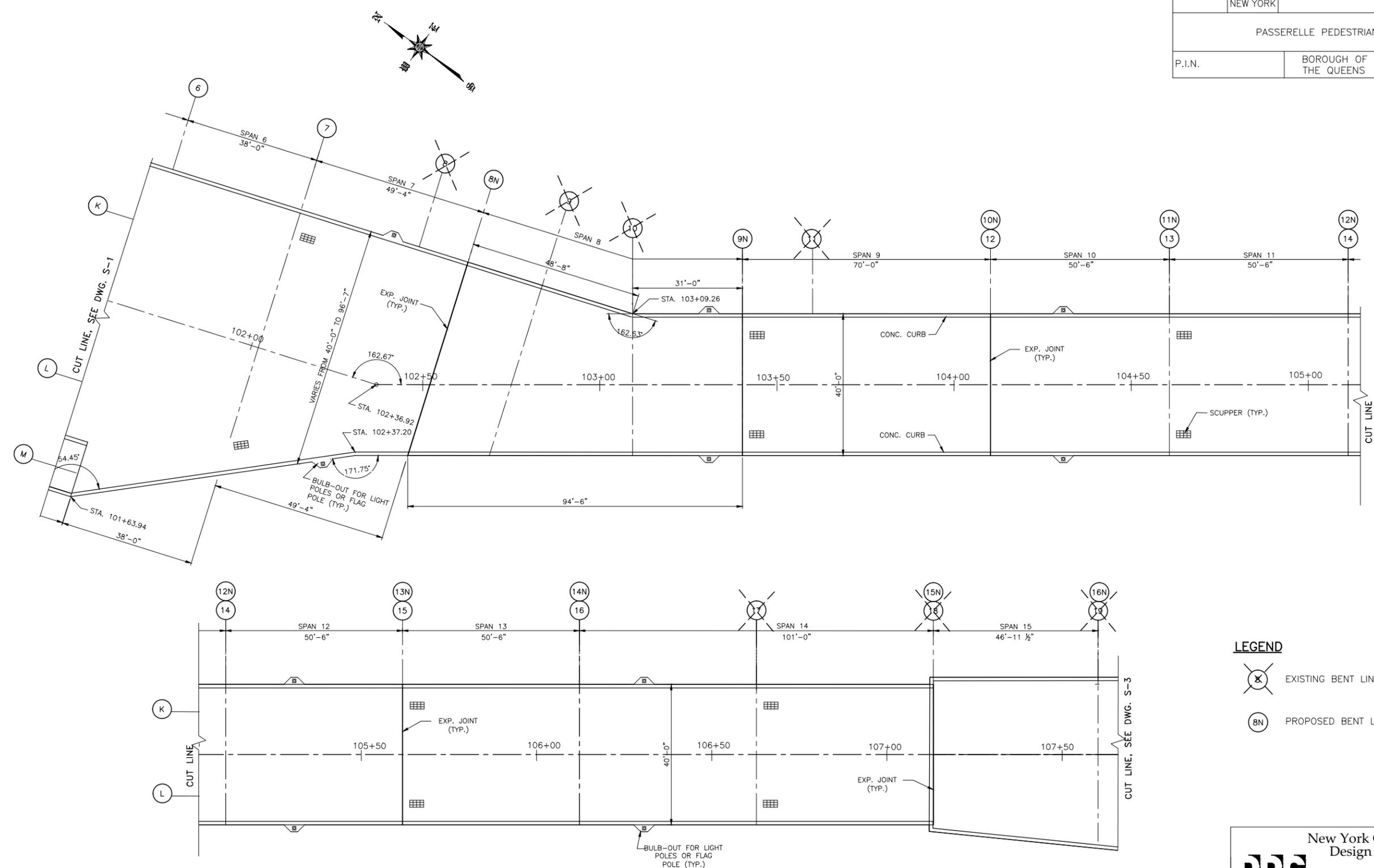
PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		38	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



LEGEND

	EXISTING BENT LINE TO BE REMOVED
	PROPOSED BENT LINE

- NOTES**
- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6.
 - FOR PROPOSED BRIDGE CROSS SECTIONS, SEE DWGS. S-10 THRU S-12
 - FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

DECK PLAN MAIN LEVEL
 SCALE: 3/32" = 1'-0"

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 New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: PROPOSED BRIDGE DECK PLAN, SHEET 2 OF 3

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/32" = 1'-0"	DRAWING NO.: S-29	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 38 OF 58 SHEETS

PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
 Joint Venture

Q. HASHMI | DATE: NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		39	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		

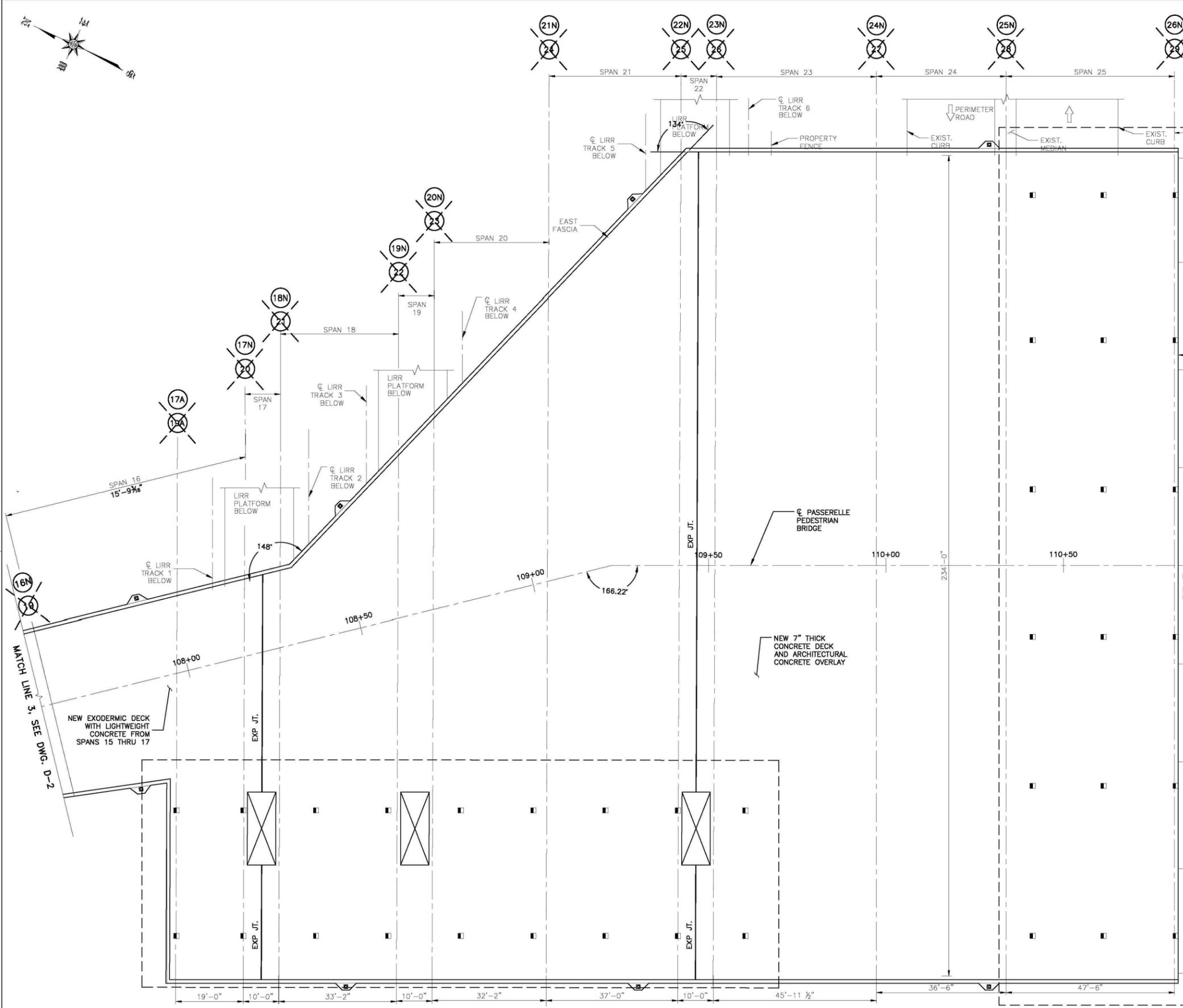
LIMIT OF WORKS STA. 110+80.70

NOTES

- FOR PROPOSED BRIDGE PLANS AND ELEVATIONS, SEE DWGS. S-4 THRU S-6.
- FOR PROPOSED BRIDGE CROSS SECTIONS, SEE DWGS. S-10 THRU S-12
- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27

LEGEND

-  EXISTING BENT LINE TO BE REMOVED
-  PROPOSED BENT LINE
-  CANOPY COLUMN



MATCH LINE 3, SEE DWG. D-2

NEW EXODERMIC DECK WITH LIGHTWEIGHT CONCRETE FROM SPANS 15 THRU 17

NEW 7" THICK CONCRETE DECK AND ARCHITECTURAL CONCRETE OVERLAY

DECK PLAN MAIN LEVEL

SCALE: 3/32"=1'-0"

PREPARED BY:

HAKS WEIDLINGER ASSOCIATES[®] INC
Joint Venture

X. XXXXXXXX DATE: NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

New York City Department of Design & Construction
30-30 Thomson Avenue
Long Island City, New York, 11101

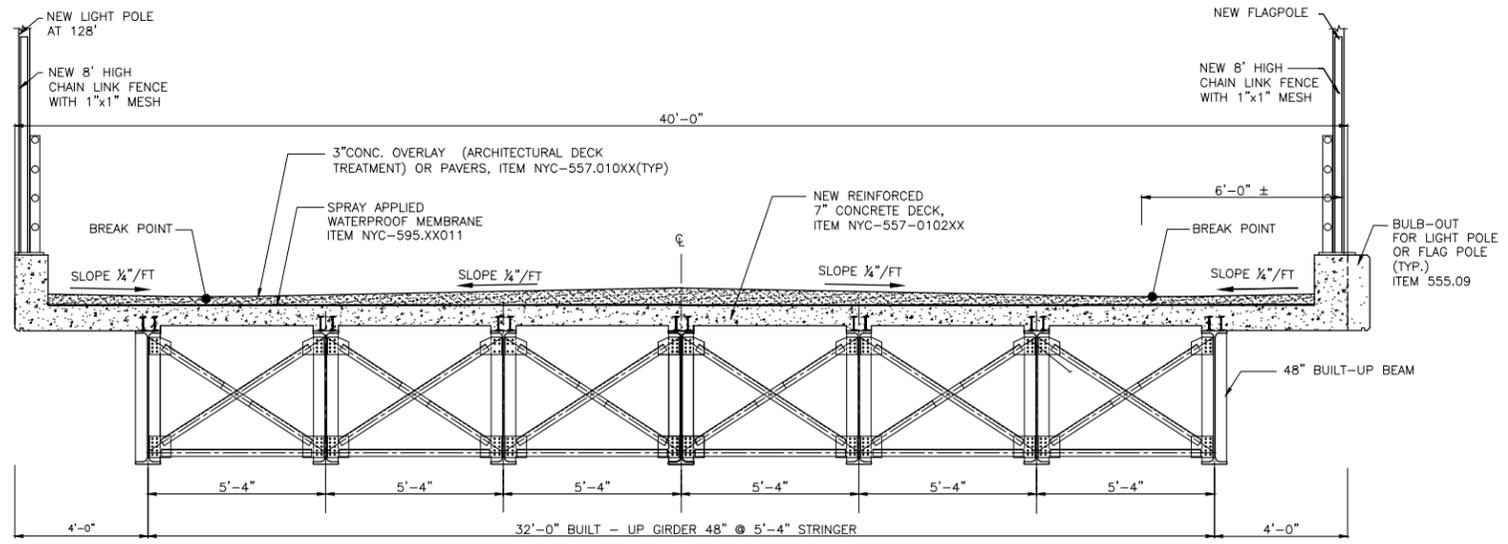
City of New York Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

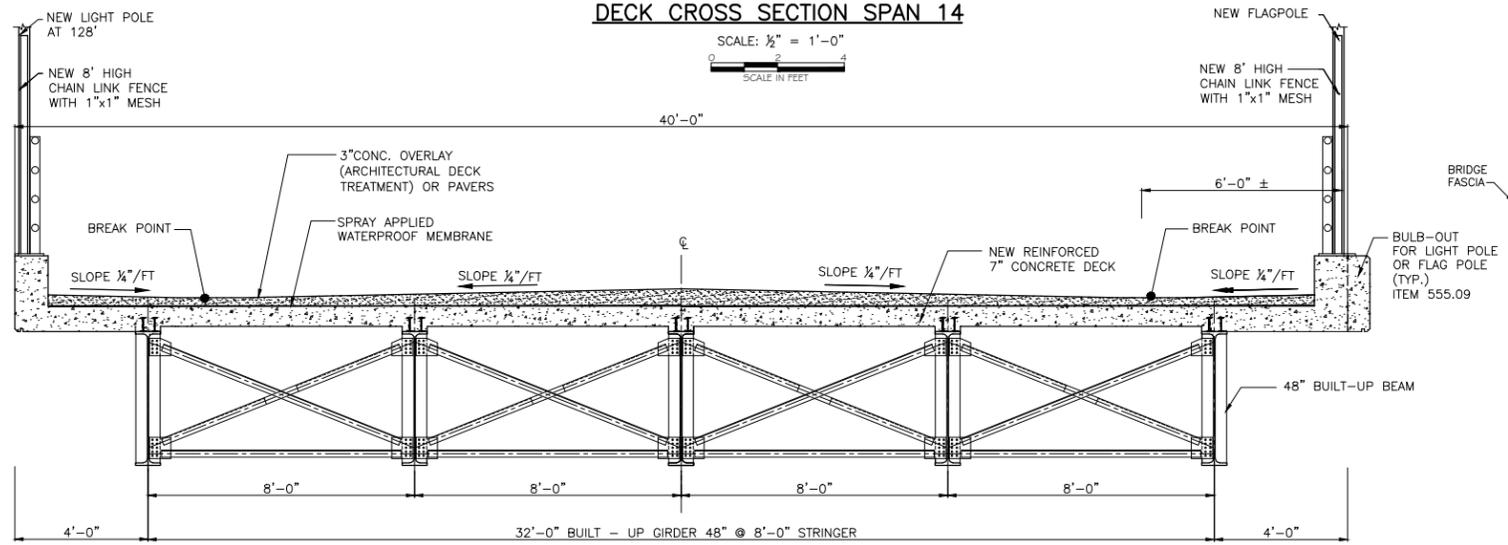
DRAWING TITLE: PROPOSED BRIDGE DECK PLAN, SHEET 3 OF 3

DESIGNED BY: J. AW-YONG	DRAWN BY: T. MAR	CHECKED BY: J. HU
SCALE: 3/32"=1'-0"	DRAWING NO.:	CONTRACT NO.:
DATE: 12/18/14	5-30	HBPED700Q
SHEET NO. 39 OF 58 SHEETS		

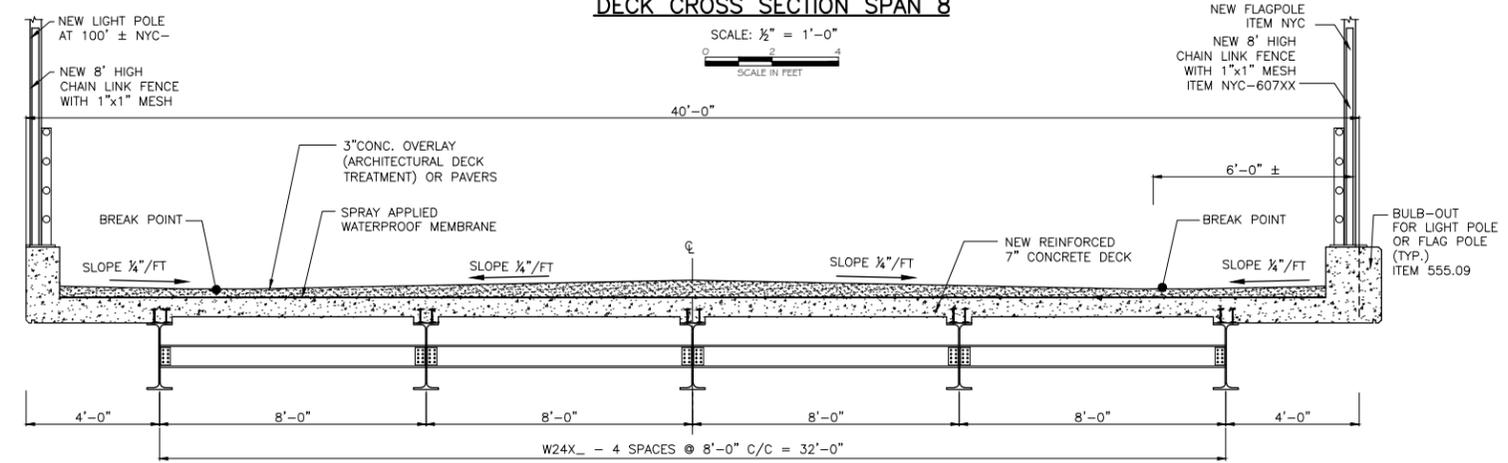
FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		40	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



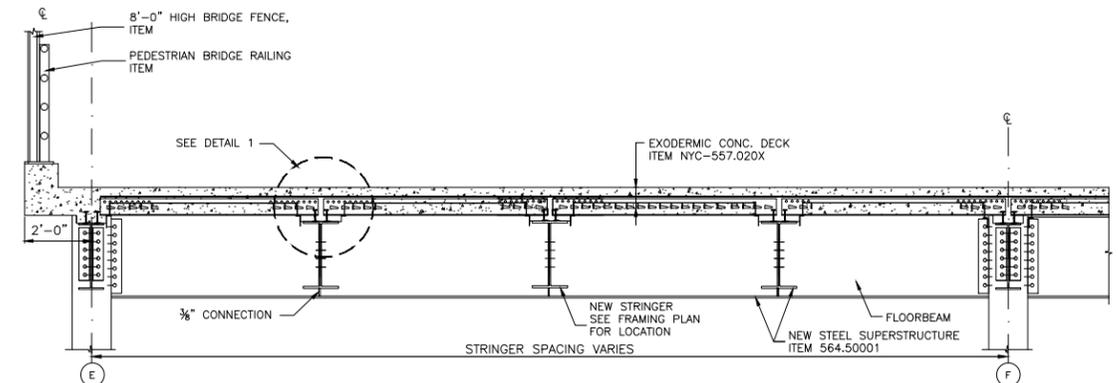
DECK CROSS SECTION SPAN 14
SCALE: 1/2" = 1'-0"
SCALE IN FEET



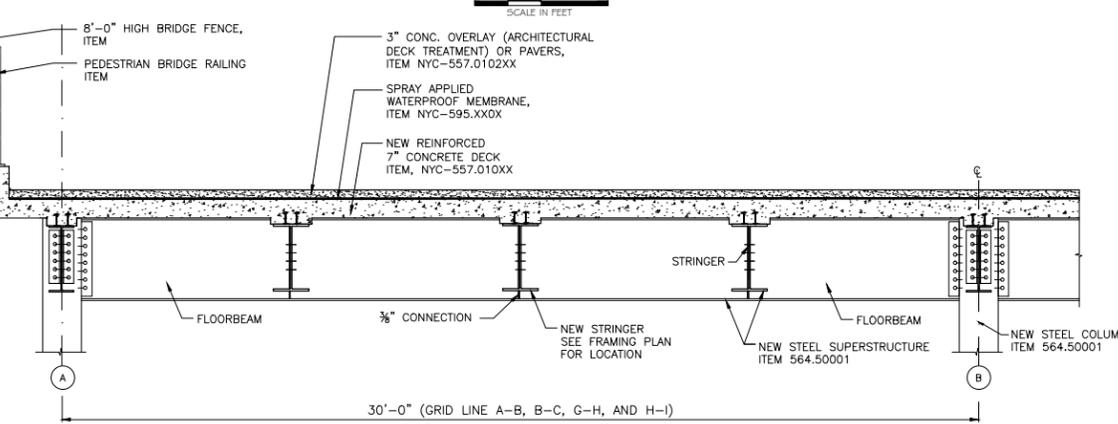
DECK CROSS SECTION SPAN 8
SCALE: 1/2" = 1'-0"
SCALE IN FEET



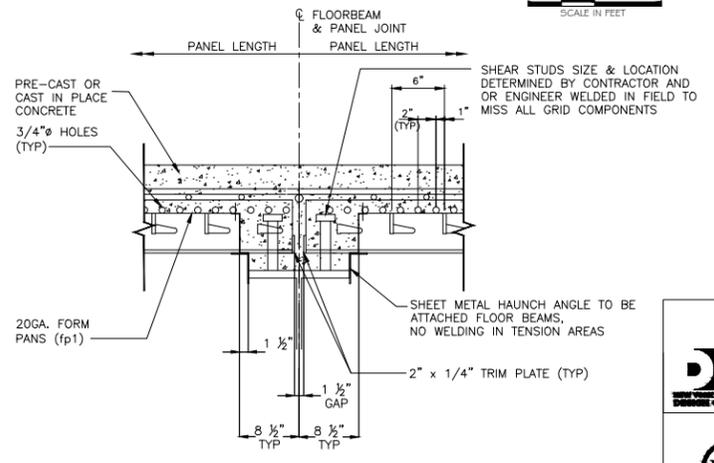
DECK CROSS SECTION SPANS 1A THRU 7 AND 9 THRU 13
SCALE: 1/2" = 1'-0"
SCALE IN FEET



EXODERMIC DECK CROSS SECTION SPANS 15 THRU 17
SCALE: 1/2" = 1'-0"
SCALE IN FEET



PROPOSED DECK CROSS SECTION SPANS 17 THRU 25
SCALE: 1/2" = 1'-0"
SCALE IN FEET



TYPICAL DETAIL 1
SCALE: NTS.

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New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: PROPOSED BRIDGE DECK CROSS SECTIONS, SHEET 1 OF 2

DESIGNED BY A. ROSTAMIZADEH	DRAWN BY L. GRINBERG	CHECKED BY Q. HASHMI
SCALE AS SHOWN	DRAWING NO. S-31	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 40 OF 58 SHEETS	

NOTES

- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27
- FOR PROPOSED BRIDGE DECK PLANS SEE DWGS. S-28 THRU S-30

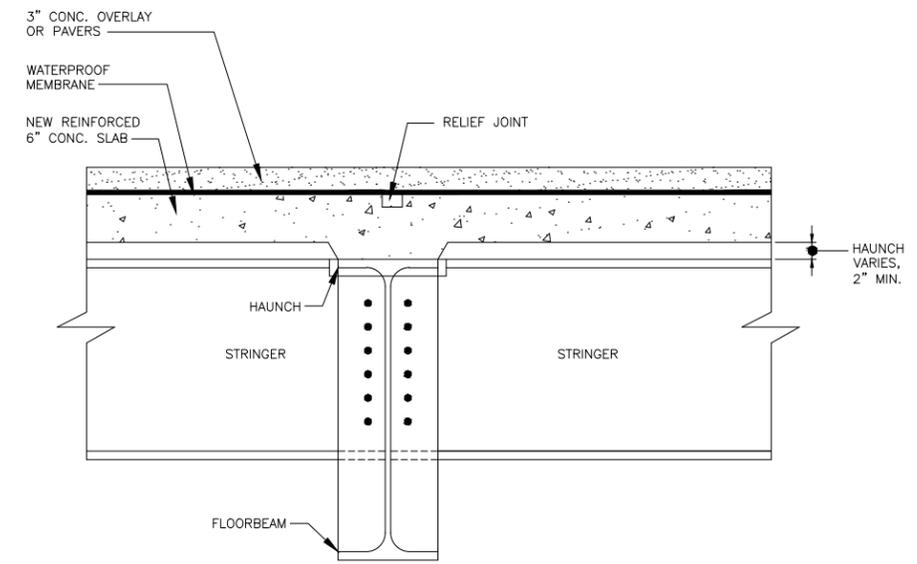
PREPARED BY:

HAKS **WEIDLINGER ASSOCIATES INC**
Joint Venture

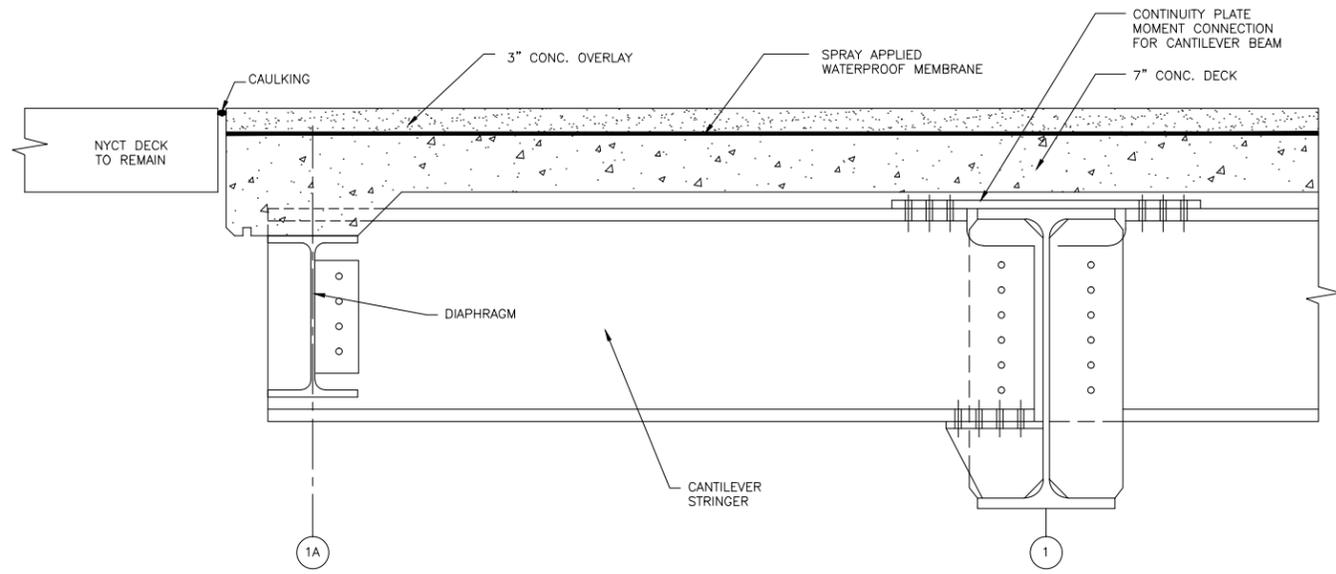
Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE

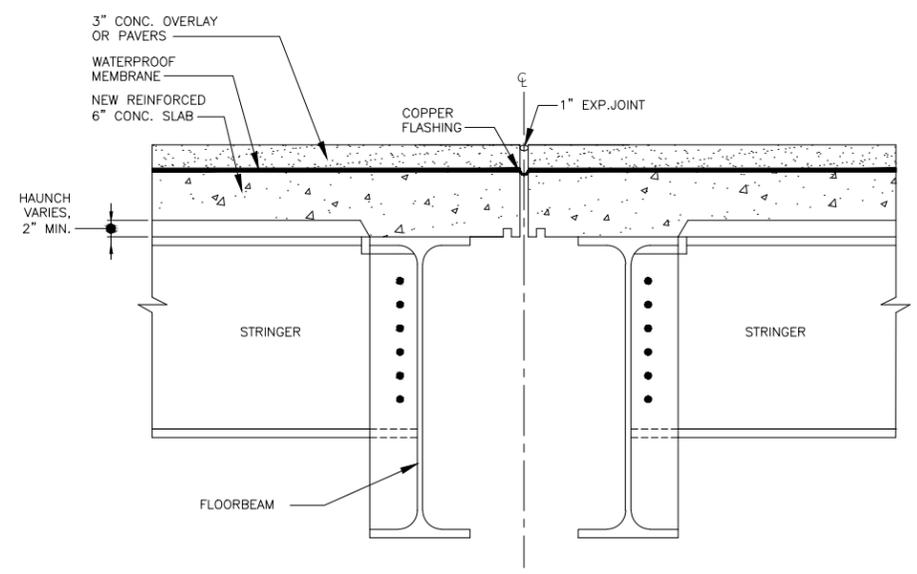
FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		41	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



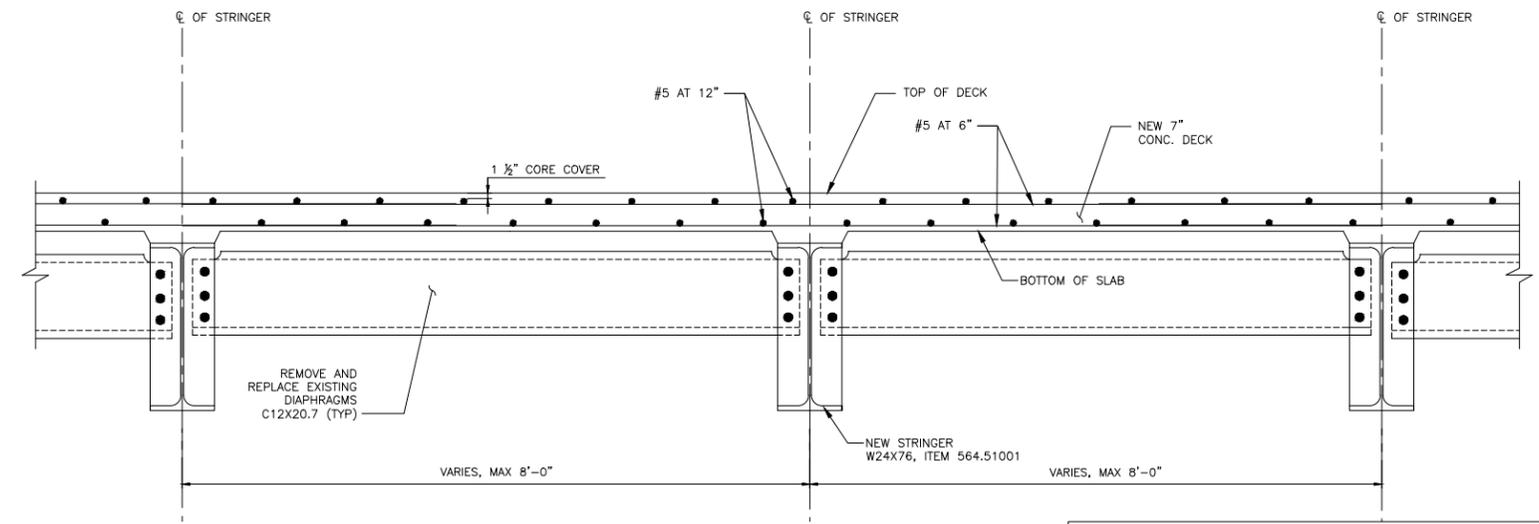
**STRINGER AND FLOORBEAM CONNECTION DETAIL
AT SINGLE COLUMN BENT**
SCALE: 1 1/2"=1'-0"
SCALE IN FEET



**CANTILEVER STRINGER CONNECTION DETAIL
ALL LEVELS**
SCALE: 1 1/2"=1'-0"
SCALE IN FEET



**STRINGER AND FLOORBEAM CONNECTION DETAIL
AT DOUBLE COLUMN BENT**
SCALE: 1 1/2"=1'-0"
SCALE IN FEET



DECK REINFORCEMENT DETAIL
SCALE: NTS

NOTES

- FOR PROPOSED BRIDGE CROSS SECTIONS, SEE DWGS. S-10 THRU S-12
- FOR PROPOSED FRAMING PLANS, SEE DWGS. S-25 THRU S-27

New York City Department of
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New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: MISC. DETAILS PROPOSED STRUCTURE

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/32"=1'-0"	DRAWING NO.: S-32	CONTRACT NO.: HBPED700Q
DATE: 12/18/14	SHEET NO. 41 OF 58 SHEETS	

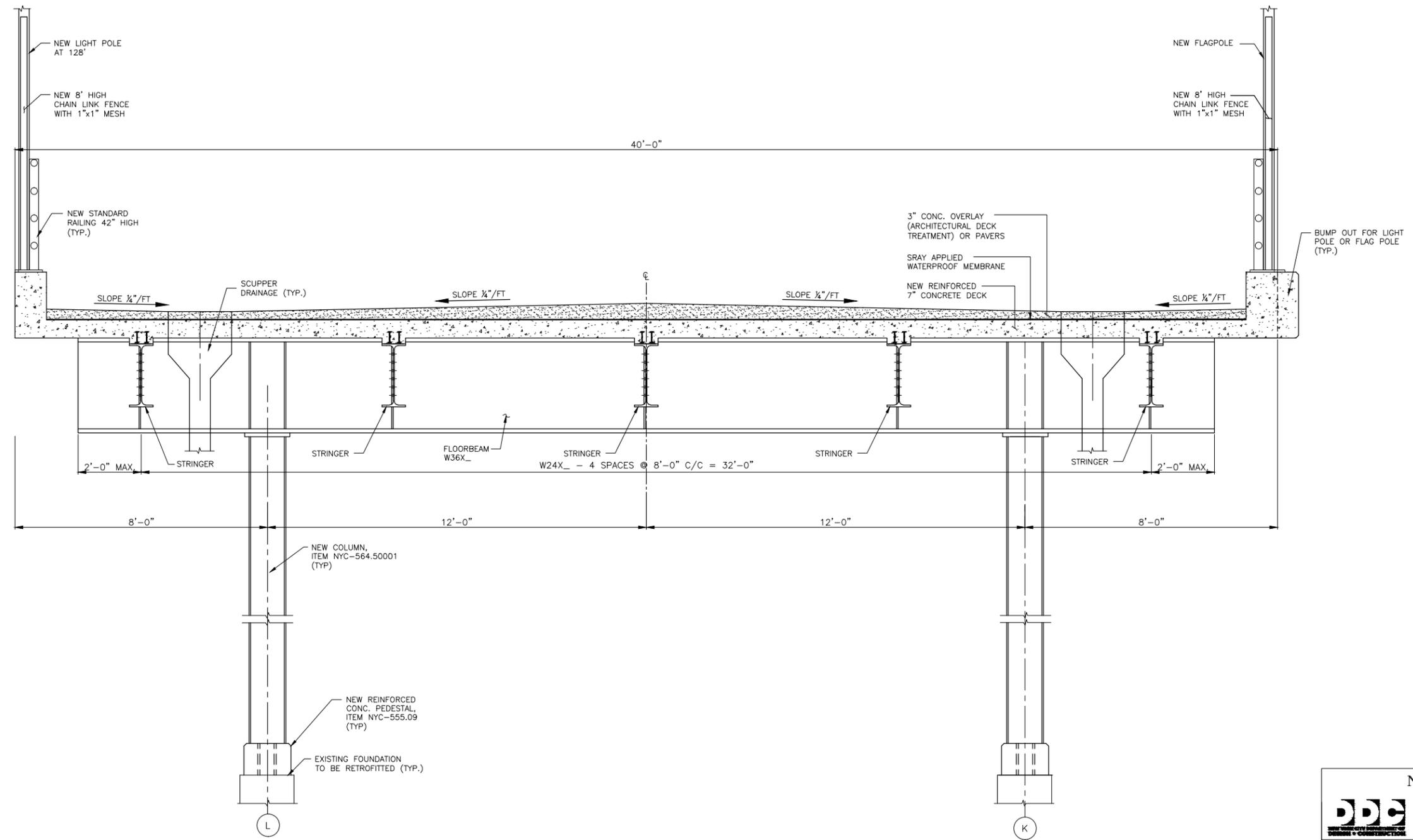
PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES, INC.**
Joint Venture

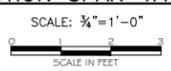
Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		42	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



TYPICAL BENT CROSS SECTION SPAN 1A THRU 7 AND 9 THRU 13



NOTES

- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27
- FOR PROPOSED BRIDGE DECK PLANS SEE DWGS. S-28 THRU S-30

New York City Department of Design & Construction

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PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: PROPOSED BENT CROSS SECTIONS, SHEET 1 OF 4

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/4" = 1'-0"	DRAWING NO.: S-33	CONTRACT NO.: HBPED700Q
DATE: 12/18/14	SHEET NO. 42 OF 58 SHEETS	

PREPARED BY:

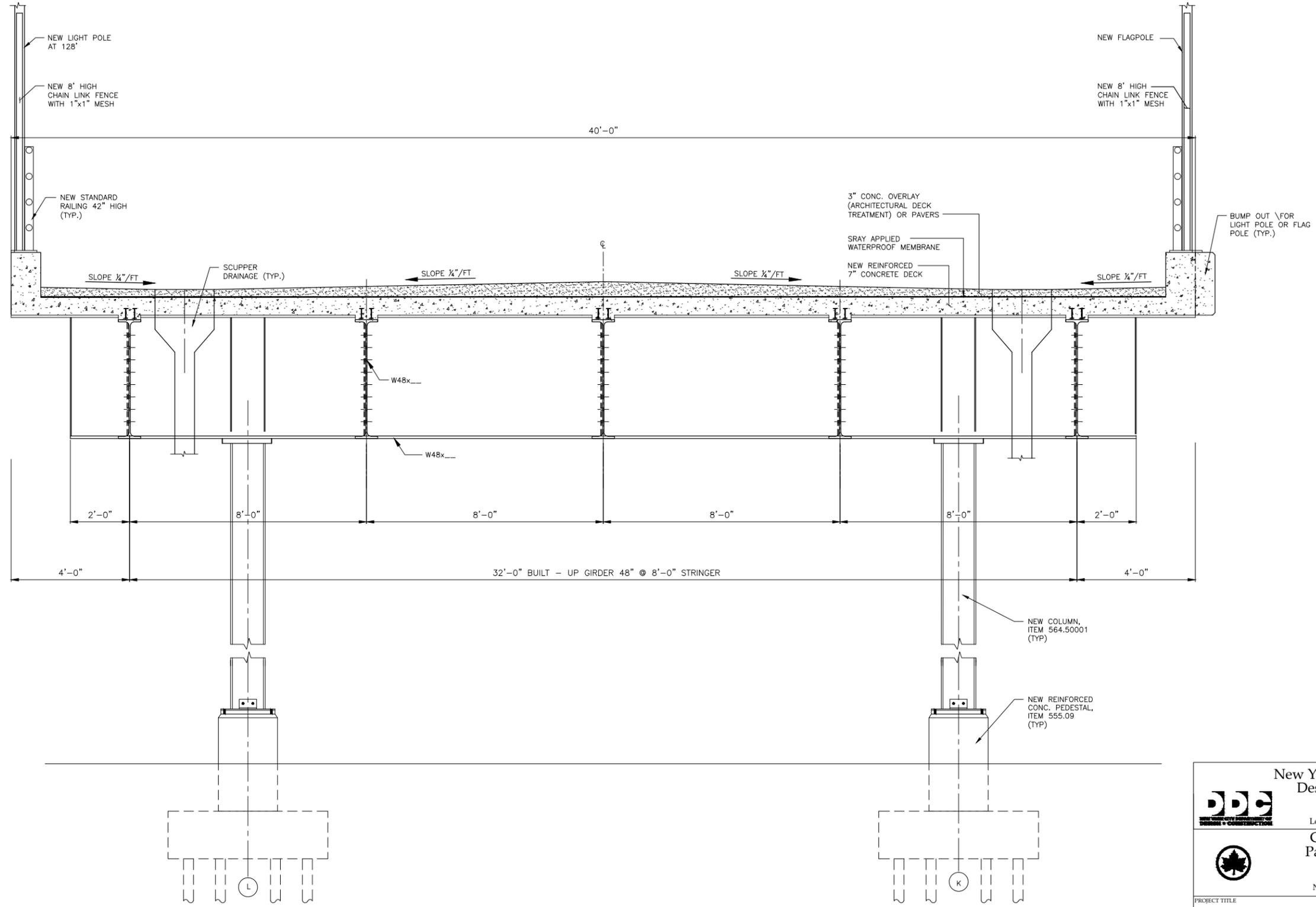
HAKS | **WIDLINGER ASSOCIATES INC**

Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: _____

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		43	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



NOTES

1. FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27
2. FOR PROPOSED BRIDGE DECK PLANS SEE DWGS. S-28 THRU S-30

CROSS SECTION BENT 8



PREPARED BY:

HAKS | **WIDLINGER ASSOCIATES INC**
Joint Venture

Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: _____

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation

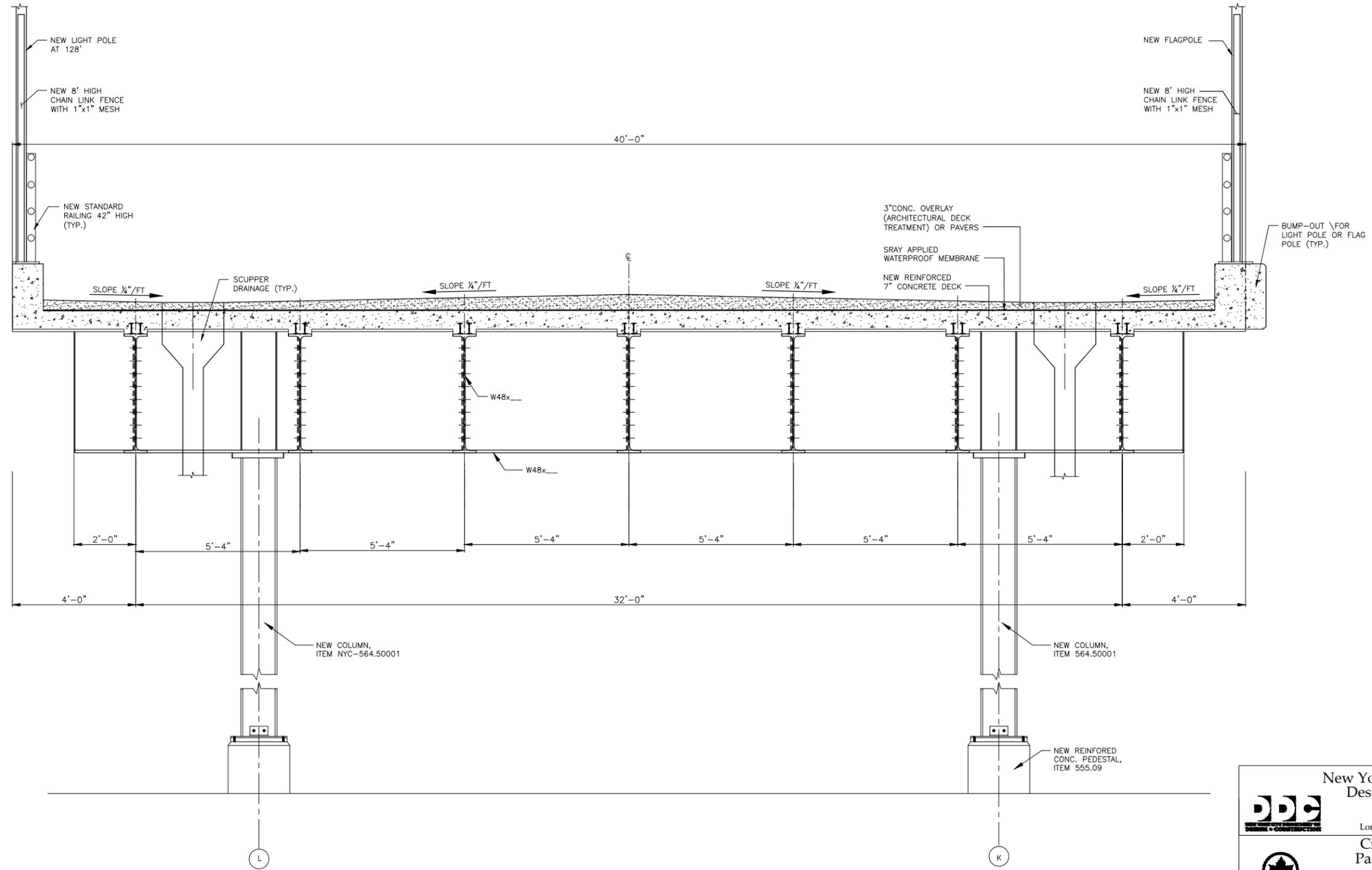
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: PROPOSED BENT CROSS SECTIONS, SHEET 2 OF 4

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/4" = 1'-0"	DRAWING NO.: S-34	CONTRACT NO.: HBPED700Q
DATE: 12/18/14	SHEET NO. 43 OF 58 SHEETS	

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		44	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



CROSS SECTION BENT 14N

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

 SCALE IN FEET

NOTES

- FOR PROPOSED BRIDGE FRAMING PLANS SEE DWGS. S-25 THRU S-27
- FOR PROPOSED BRIDGE DECK PLANS SEE DWGS. S-28 THRU S-30

New York City Department of
Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York
Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE
PROPOSED BENT CROSS SECTIONS, SHEET 3 OF 4

DESIGNED BY A. ROSTAMIZADEH	DRAWN BY L. GRINBERG	CHECKED BY Q. HASHMI
SCALE 3/4" = 1'-0"	DRAWING NO. S-35	CONTRACT NO. HBPED700Q
DATE 12/18/14	SHEET NO. 44 OF 58 SHEETS	

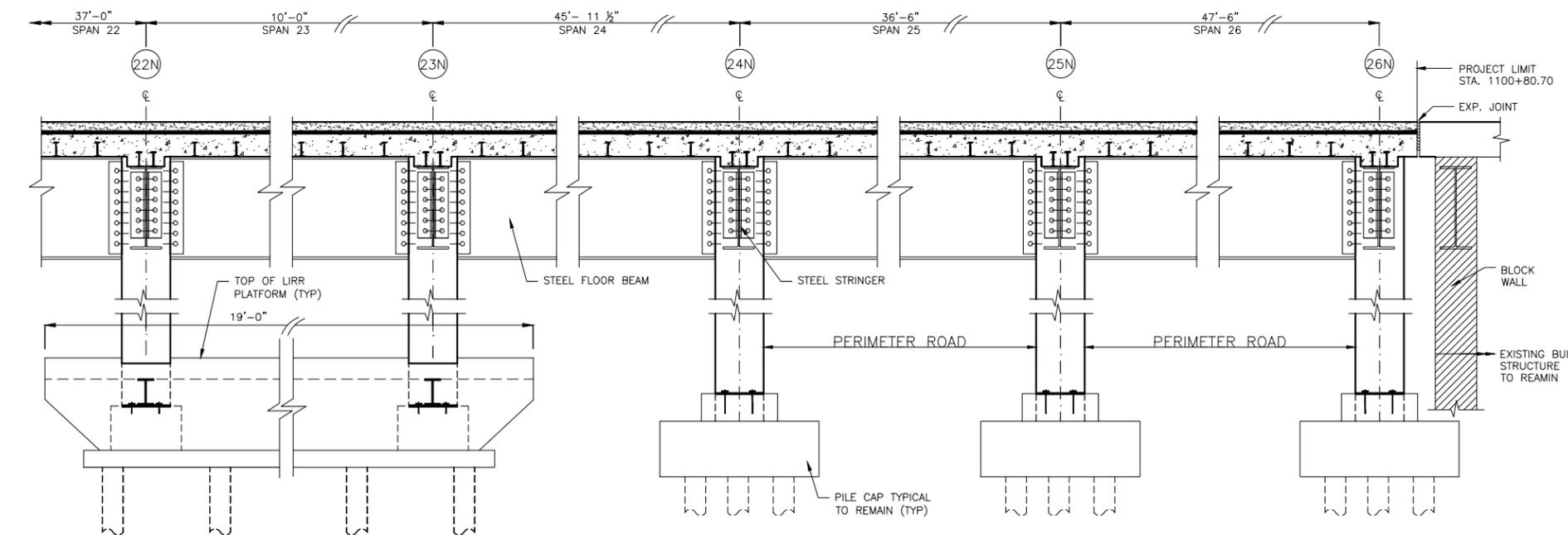
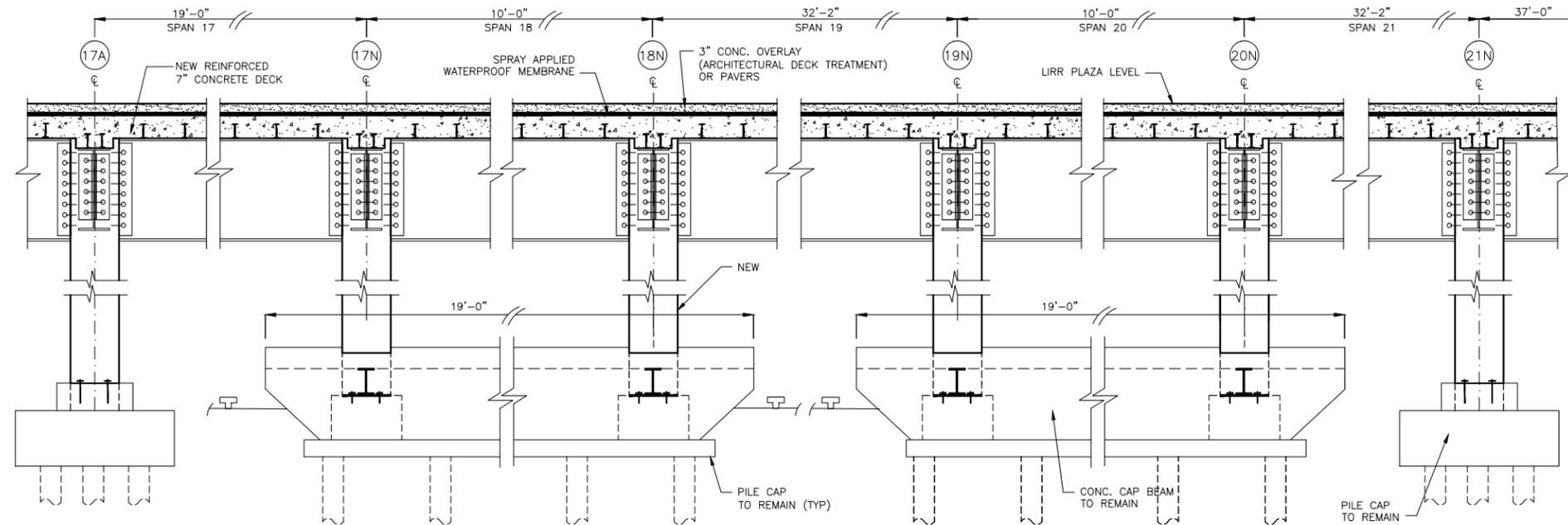
PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
 Joint Venture

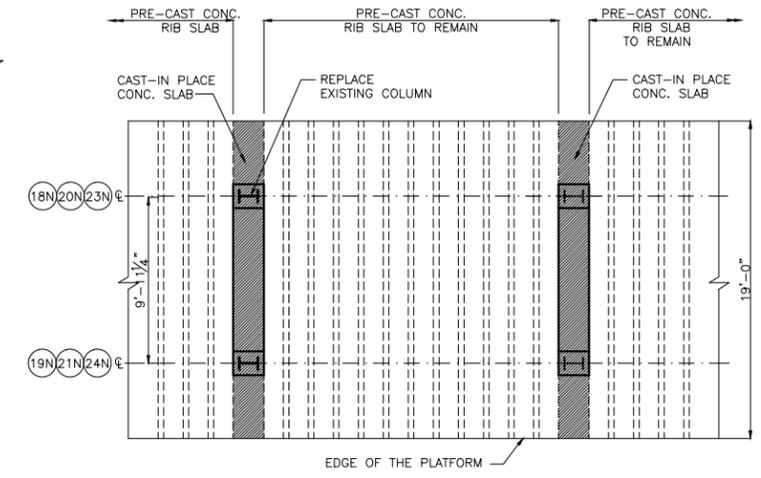
Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

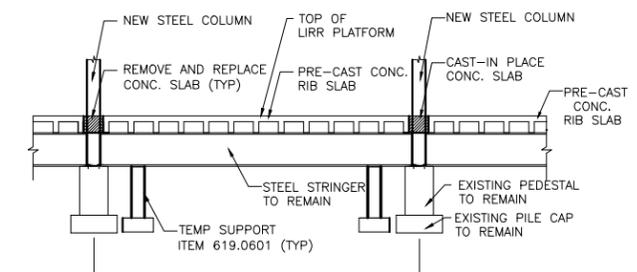
FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		45	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS	B.I.N.		



**PROPOSED LONGITUDINAL SECTION
SPANS 17 THRU 26**
SCALE: 3/4"=1'-0"
SCALE IN FEET



PARTIAL PLATFORM PLAN
SCALE: NTS



PARTIAL TYPICAL PLATFORM SECTION
SCALE: NTS

NOTES

- FOR PROPOSED BRIDGE CROSS SECTIONS, SEE DWGS. S-10 THRU S-12
- FOR PROPOSED FRAMING PLANS, SEE DWGS. S-25 THRU S-27

PREPARED BY:
Joint Venture
 Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX
 DATE: _____

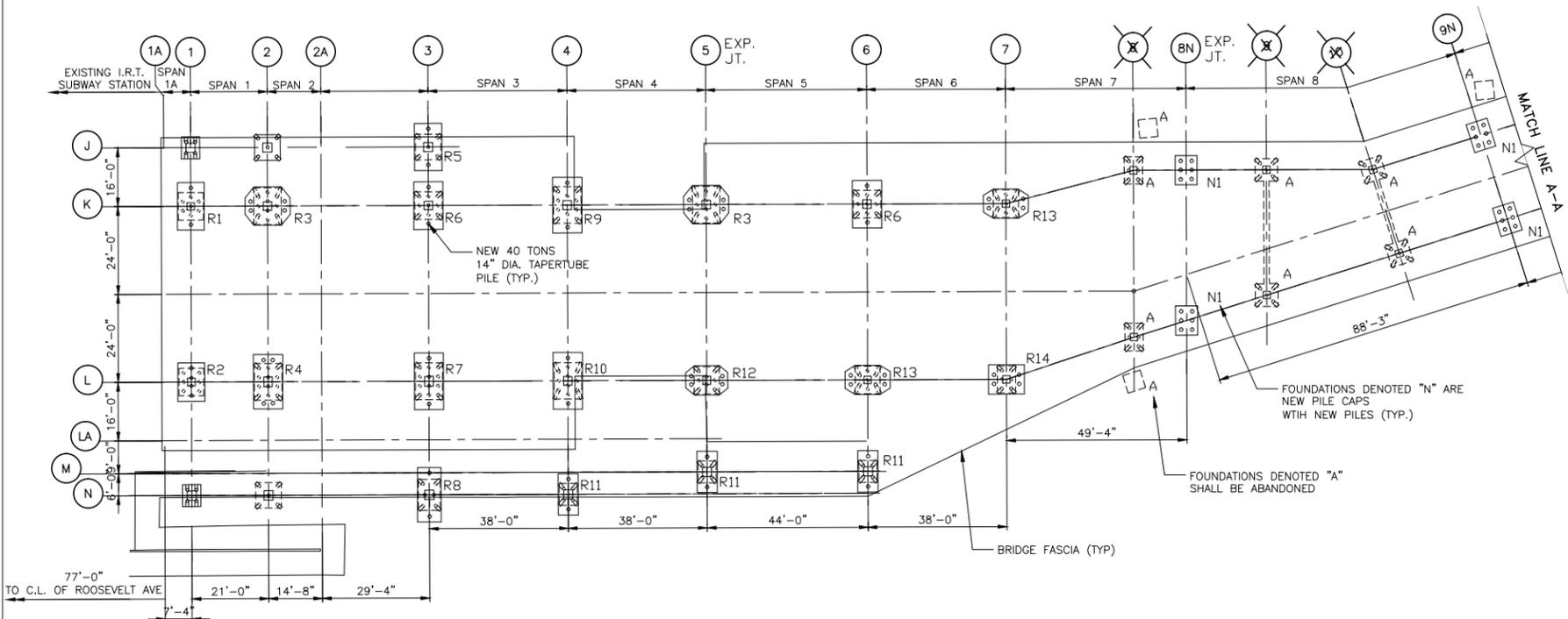
New York City Department of Design & Construction
 30-30 Thomson Avenue
 Long Island City, New York, 11101

City of New York Parks & Recreation
 The Arsenal
 Central Park
 New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: PROPOSED BENT CROSS SECTIONS, SHEET 4 OF 4

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: AS SHOWN	DRAWING NO.: S-36	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 45 OF 58 SHEETS



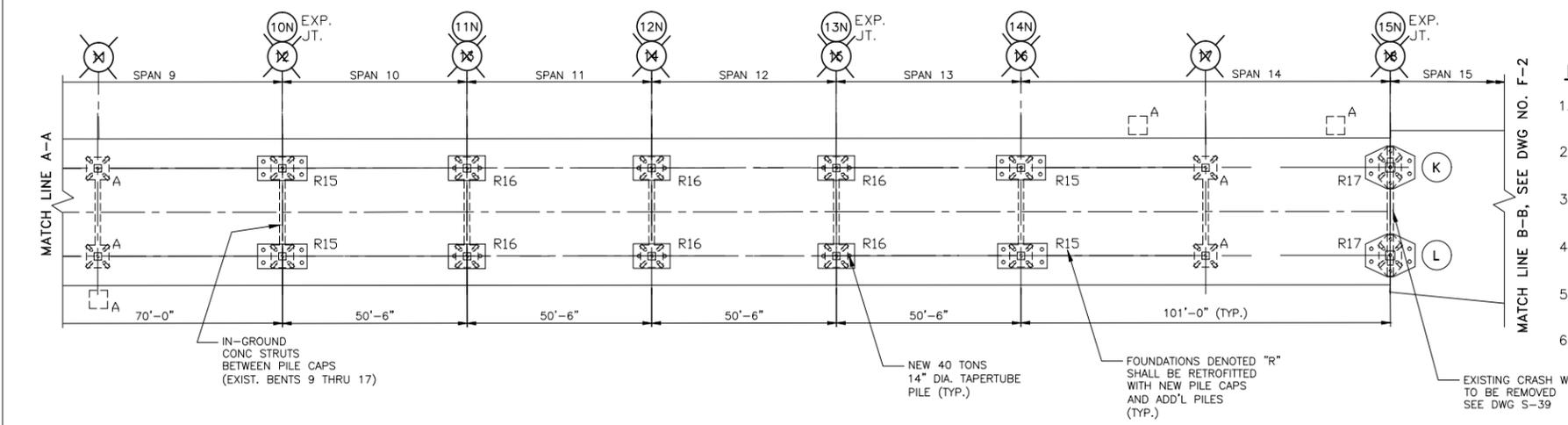
PROPOSED FOUNDATION PLAN SPAN 1 TO 8
SCALE: 1/16"=1'-0"

FOOTING SCHEDULE										
LOCATION		TYPE	NO. OF PILES	EXIST. FOOTING LENGTH	EXIST. FOOTING WIDTH	EXIST. FOOTING THICKNESS	FUTURE LOAD ON PILE CAP (TONS)	ADD'L PILES REQUIRED	PROPOSED FOOTING TYPE	RETROFIT TYPE
TRANSV.	LONG.									
1	J	E	4	5'-0"	6'-0"	2'-0"	45	-	-	-
1	K	1937	7	6'-10"	7'-6"	2'-4"	155	2	R1	1
1	L	1937	8	6'-10"	7'-6"	2'-4"	180	2	R2	1
1	N	E	4	5'-0"	6'-0"	2'-0"	50	-	-	-
2	J	E	5	7'-0"	7'-0"	2'-0"	75	-	-	-
2	K	1937	10	7'-6"	10'-0"	2'-6"	255	4	R3	1
2	L	1937	12	7'-6"	10'-0"	2'-6"	300	4	R4	1
2	N	E	5	7'-0"	7'-0"	2'-0"	85	2	R5	1
3	J	E	5	7'-0"	7'-0"	2'-0"	85	2	R5	1
3	K	1937	9	7'-6"	7'-6"	2'-4"	220	2	R6	1
3	L	1937	12	7'-6"	10'-0"	2'-6"	280	2	R7	1
3	N	E	6	6'-0"	8'-6"	2'-6"	100	2	R8	1
4	K	1937	11	7'-6"	10'-0"	2'-6"	235	2	R9	1
4	L	1937	10	7'-6"	10'-0"	2'-6"	235	2	R10	1
4	N	E	4	5'-0"	6'-0"	2'-0"	90	2	R11	1
5	K	1937	10	7'-6"	10'-0"	2'-6"	260	4	R3	1
5	L	1937	8	6'-10"	7'-6"	2'-4"	270	4	R12	1
5	M	E	4	5'-0"	6'-0"	2'-0"	100	2	R11	1
6	K	1937	9	7'-6"	7'-6"	2'-4"	220	2	R6	1
6	L	1937	7	6'-10"	7'-6"	2'-4"	220	4	R13	1
6	M	E	4	5'-0"	6'-0"	2'-0"	90	2	R11	1
7	K	1937	7	6'-10"	7'-6"	2'-4"	265	4	R13	1
7	L	1937	6	5'-0"	7'-6"	2'-4"	260	4	R14	1
8N	K & L	NEW	6	-	-	-	145	-	N1	-
9N	K & L	NEW	6	-	-	-	145	-	N1	-
12 (10N)	K & L	1937	5	6'-2"	6'-2"	2'-4"	175	4	R15	2
13-15 (11N-13N)	K & L	1937	5	6'-2"	6'-2"	2'-4"	135	2	R16	2
16 (14N)	K & L	1937	5	6'-2"	6'-2"	2'-4"	200	4	R15	2
18 (15N)	K & L	S-CW	7	6'-2"	11'-2"	2'-4"	225	4	R17	2

- EXISTING FOUNDATION TYPE**
- E - PILES INSTALLED CIRCA 1937; FTG/PILE CAP INSTALLED CIRCA 1961
 - 1937 - PILES & FTGS/PILE CAP INSTALLED CIRCA 1937
 - S-CW - PILES INSTALLED CIRCA 1937; FTG/PILE CAP WITH CRASH WALL INSTALLED CIRCA 1961
- NEW FOUNDATION TYPE**
- R - EXISTING PILE CAP TO BE RETROFITTED
 - N - NEW PILE CAP
 - A - EXISTING PILE CAP TO BE ABANDONED

NOTES

1. EXISTING PILES ARE TIMBER PILES WITH DESIGN PILE BEARING CAPACITY OF 15 TONS AND 20 TONS INSTALLED IN 1937 AND 1961 RESPECTIVELY.
2. FOR ADDITIONAL DETAILS OF EXISTING FOUNDATIONS, SEE 1937 CONSTRUCTION DWGS ST102 TO ST104, AND 1961 DWGS 18 TO 21.
3. LOAD TEST AT LEAST TWO(2) EXISTING PILES TO 220% OF THE 15 TONS OR 20 TONS PILE DESIGN CAPACITY. SPECIFIC LOCATIONS TO BE DETERMINED AFTER REMOVING OF EXISTING PILE CAP.
4. LOAD TEST AT LEAST TWO(2) NEW PILES TO 220% OF THE 40 TONS PILE DESIGN CAPACITY. LOCATIONS TO BE DETERMINED.
5. PILE DRIVING ANALYZER TO BE USED ON FIRST FIVE(5) NEW PILES DRIVEN AND 10% OF ALL NEW PILES THEREAFTER.
6. FOR RETROFIT DETAILS, SEE DWG. S-40



PROPOSED FOUNDATION PLAN SPAN 9 TO 15
SCALE: 1/16"=1'-0"

- LEGEND**
- EXISTING BENT/GRIDLINE TO BE REMOVED OR RENUMBERED
 - PROPOSED BENT/GRIDLINE ESTABLISHED

PREPARED BY:

HAKS WEIDLINGER ASSOCIATES INC
Joint Venture

DATE: 12/18/14
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

New York City Department of Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York Parks & Recreation
The Arsenal
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New York, New York 10065

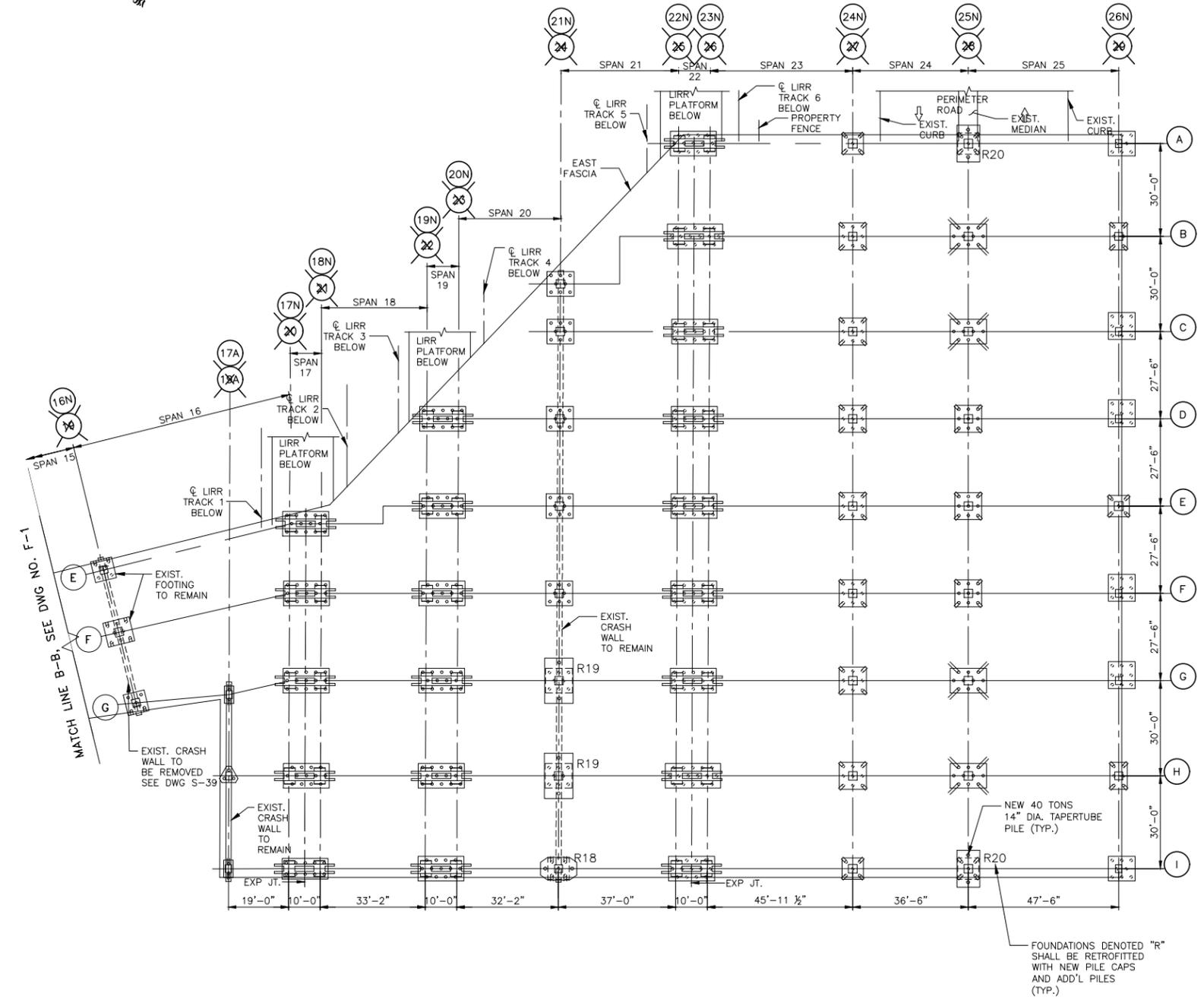
PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: BRIDGE FOUNDATION PLAN, SHEET 1 OF 2

DESIGNED BY: J. AW-YONG DRAWN BY: T. KO CHECKED BY: J. HU

SCALE: 1/16"=1'-0" DRAWING NO.: S-37 CONTRACT NO.: HBPED700Q

DATE: 12/18/14 SHEET NO. 46 OF 58 SHEETS



PROPOSED FOUNDATION PLAN SPAN 16 TO 25
SCALE: 1/16"=1'-0"

FOOTING SCHEDULE										
LOCATION		TYPE	NO. OF PILES	EXIST. FOOTING LENGTH	EXIST. FOOTING WIDTH	EXIST. FOOTING THICKNESS	FUTURE LOAD ON PILE CAP (TONS)	ADDTL PILES REQUIRED	PROPOSED FOOTING TYPE	RETROFIT TYPE
TRANSV.	LONG.									
19 (16N)	E	S-CW	5	6'-9"	6'-9"	2'-0"	110	-	-	-
19 (16N)	F	S-CW	8	8'-6"	7'-9"	2'-6"	200	-	-	-
19 (16N)	G	S-CW	5	6'-9"	6'-9"	2'-0"	95	-	-	-
19A (17A)	G	S-CW	2	3'-0"	5'-6"	2'-0"	N/A	-	-	-
19A (17A)	H	S-CW	3	VARIES		2'-0"	N/A	-	-	-
19A (17A)	I	S-CW	2	3'-0"	5'-6"	2'-0"	N/A	-	-	-
20 & 21 (17N & 18N)	E	C-L	14	14'-6"	7'-9"	2'-6"	120	-	-	-
20 & 21 (17N & 18N)	F	C-L	15	14'-6"	8'-6"	2'-6"	165	-	-	-
20 & 21 (17N & 18N)	G	C-L	15	14'-6"	8'-6"	2'-6"	145	-	-	-
20 & 21 (17N & 18N)	H	C-L	13	14'-6"	7'-9"	2'-6"	140	-	-	-
20 & 21 (17N & 18N)	I	C-L	10	14'-6"	6'-6"	2'-6"	105	-	-	-
22 & 23 (19N & 20N)	D	C-L	14	14'-6"	7'-9"	2'-6"	215	-	-	-
22 & 23 (19N & 20N)	E	C-L	13	14'-6"	7'-9"	2'-6"	255	-	-	-
22 & 23 (19N & 20N)	F	C-L	13	14'-6"	7'-9"	2'-6"	255	-	-	-
22 & 23 (19N & 20N)	G	C-L	14	14'-6"	7'-9"	2'-6"	280	-	-	-
22 & 23 (19N & 20N)	H	C-L	14	14'-6"	7'-9"	2'-6"	290	-	-	-
22 & 23 (19N & 20N)	I	C-L	13	14'-6"	7'-9"	2'-6"	210	-	-	-
24 (21N)	B	S-CW	8	8'-6"	7'-9"	2'-6"	95	-	-	-
24 (21N)	C	S-CW	8	8'-6"	7'-9"	2'-6"	130	-	-	-
24 (21N)	D	S-CW	8	8'-6"	7'-9"	2'-6"	160	-	-	-
24 (21N)	E	S-CW	8	8'-6"	7'-9"	2'-6"	160	-	-	-
24 (21N)	F	S-CW	8	8'-6"	7'-9"	2'-6"	165	-	-	-
24 (21N)	G	S-CW	8	8'-6"	7'-9"	2'-6"	190	2	R19	2
24 (21N)	H	S-CW	8	8'-6"	7'-9"	2'-6"	205	2	R19	2
24 (21N)	I	S-CW	5	6'-9"	6'-9"	2'-0"	120	2	R18	2
25 & 26 (22N & 23N)	A	C-L	13	14'-6"	7'-9"	2'-6"	235	-	-	-
25 & 26 (22N & 23N)	B	C-L	16	17'-6"	7'-9"	2'-6"	310	-	-	-
25 & 26 (22N & 23N)	C	C-L	15	14'-6"	8'-6"	2'-6"	265	-	-	-
25 & 26 (22N & 23N)	D	C-L	15	14'-6"	8'-6"	2'-6"	255	-	-	-
25 & 26 (22N & 23N)	E	C-L	15	14'-6"	8'-6"	2'-6"	305	-	-	-
25 & 26 (22N & 23N)	F	C-L	15	14'-6"	8'-6"	2'-6"	315	-	-	-
25 & 26 (22N & 23N)	G	C-L	15	14'-6"	8'-6"	2'-6"	295	-	-	-
25 & 26 (22N & 23N)	H	C-L	16	17'-6"	7'-9"	2'-6"	305	-	-	-
25 & 26 (22N & 23N)	I	C-L	13	14'-6"	7'-9"	2'-6"	275	-	-	-
27 (24N)	A	S	5	6'-9"	6'-9"	2'-0"	90	-	-	-
27 (24N)	B	S	9	8'-6"	8'-6"	2'-6"	180	-	-	-
27 (24N)	C	S	9	8'-6"	8'-6"	2'-6"	175	-	-	-
27 (24N)	D	S	9	8'-6"	8'-6"	2'-6"	165	-	-	-
27 (24N)	E	S	9	8'-6"	8'-6"	2'-6"	165	-	-	-
27 (24N)	F	S	9	8'-6"	8'-6"	2'-6"	165	-	-	-
27 (24N)	G	S	9	8'-6"	8'-6"	2'-6"	175	-	-	-
27 (24N)	H	S	9	8'-6"	8'-6"	2'-6"	185	-	-	-
27 (24N)	I	S	5	6'-9"	6'-9"	2'-0"	85	-	-	-
28 (25N)	A	S	5	6'-9"	6'-9"	2'-0"	115	2	R20	2
28 (25N)	B	S	10	11'-6"	7'-9"	3'-0"	215	-	-	-
28 (25N)	C	S	10	11'-6"	7'-9"	3'-0"	215	-	-	-
28 (25N)	D	S	9	8'-6"	8'-6"	2'-6"	190	-	-	-
28 (25N)	E	S	9	8'-6"	8'-6"	2'-6"	180	-	-	-
28 (25N)	F	S	9	8'-6"	8'-6"	2'-6"	190	-	-	-
28 (25N)	G	S	10	11'-6"	7'-9"	3'-0"	215	-	-	-
28 (25N)	H	S	10	11'-6"	7'-9"	3'-0"	215	-	-	-
28 (25N)	I	S	5	6'-9"	6'-9"	2'-0"	115	2	R20	2
29 (26N)	A	C-E	8	8'-6"	7'-9"	3'-0"	90	-	-	-
29 (26N)	B	S	6	5'-6"	8'-6"	2'-6"	130	-	-	-
29 (26N)	C	C-E	9	8'-6"	8'-6"	3'-0"	135	-	-	-
29 (26N)	D	C-E	9	8'-6"	8'-6"	3'-0"	135	-	-	-
29 (26N)	E	S	5	6'-9"	6'-9"	2'-0"	115	-	-	-
29 (26N)	F	C-E	9	8'-6"	8'-6"	3'-0"	135	-	-	-
29 (26N)	G	C-E	9	8'-6"	8'-6"	3'-0"	135	-	-	-
29 (26N)	H	S	6	5'-6"	8'-6"	2'-6"	130	-	-	-
29 (26N)	I	C-E	8	8'-6"	7'-9"	3'-0"	90	-	-	-

- EXISTING FOUNDATION TYPE**
- E - PILES INSTALLED CIRCA 1937; FTG/PILE CAP INSTALLED CIRCA 1961
 - 1937 - PILES & FTGS/PILE CAP INSTALLED CIRCA 1937
 - S-CW - PILES INSTALLED CIRCA 1937; FTG/PILE CAP WITH CRASH WALL INSTALLED CIRCA 1961

- NEW FOUNDATION TYPE**
- R - EXISTING PILE CAP TO BE RETROFITTED
 - N - NEW PILE CAP
 - A - EXISTING PILE CAP TO BE ABANDONED

- LEGEND**
- EXISTING BENT/GRIDLINE TO BE REMOVED OR RENUMBERED
 - PROPOSED BENT/GRIDLINE ESTABLISHED

- NOTES**
- FOR NOTES, SEE DWG NO. S-37
 - FOR RETROFIT DETAILS, SEE DWG. S-40

New York City Department of
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30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York
Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: BRIDGE FOUNDATION PLAN, SHEET 2 OF 2			
DESIGNED BY: J. AW-YONG	DRAWN BY: T. KO	CHECKED BY: J. HU	
SCALE: 1/16"=1'-0"	DRAWING NO. S-38	CONTRACT NO. HBPED700Q	
DATE: 12/18/14	SHEET NO. 47 OF 58 SHEETS		

PREPARED BY:

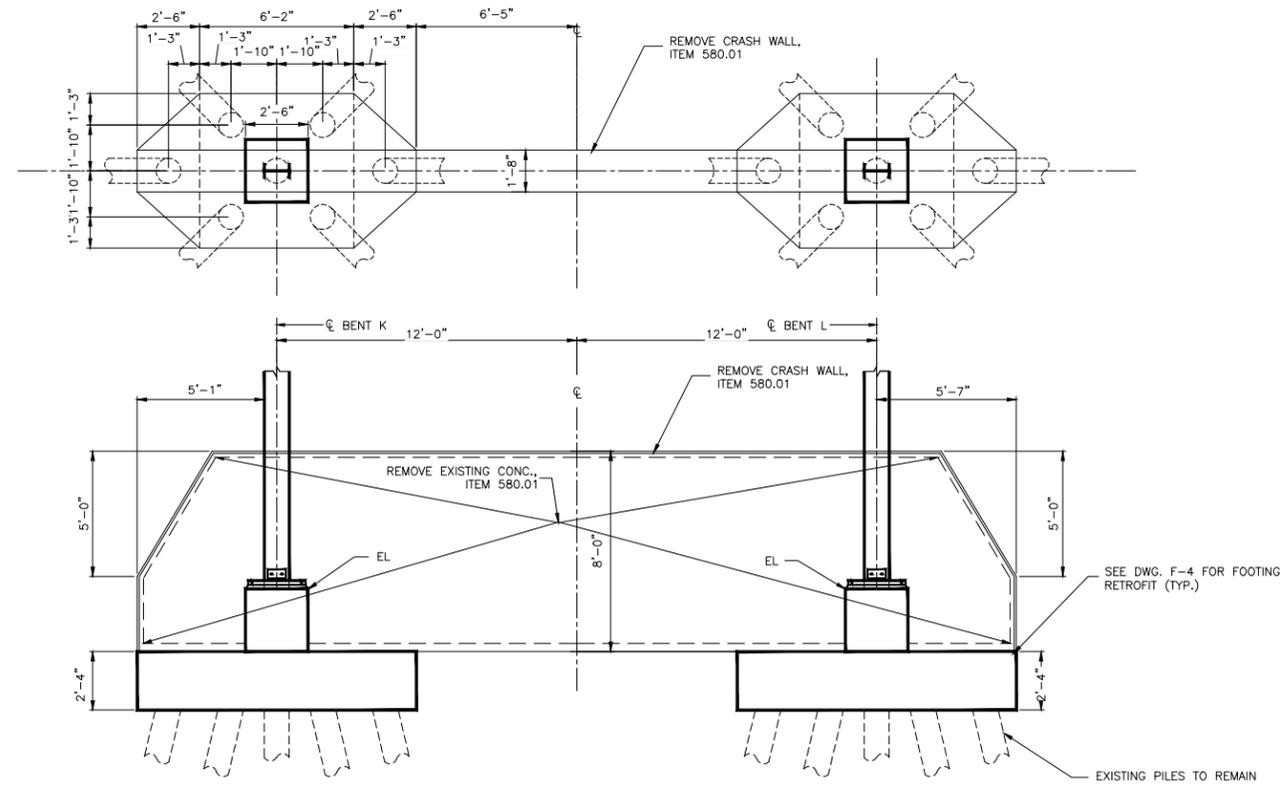
Joint Venture

DATE: 12/18/14
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		48	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS		B.I.N.	

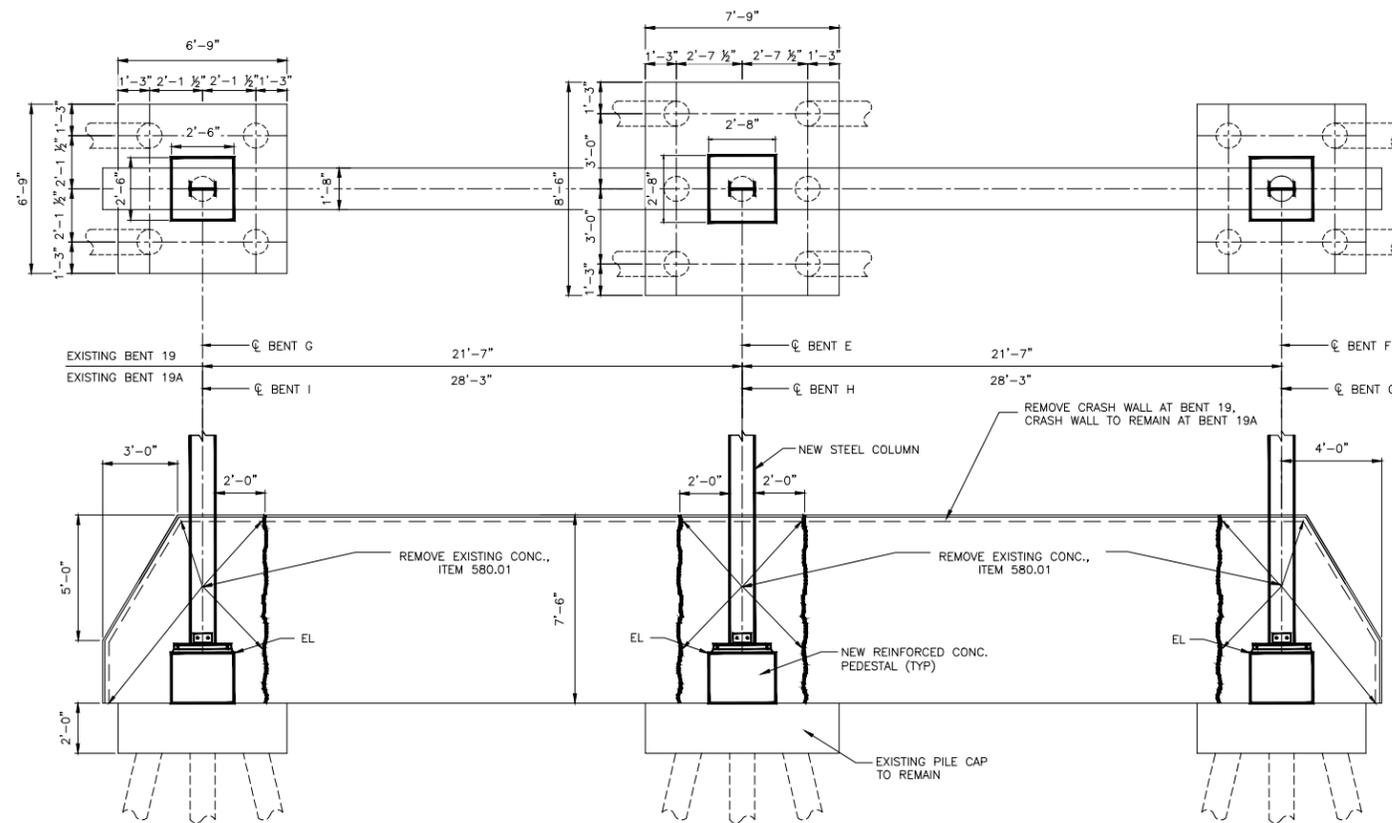
NOTES

- FOR CRASH WALL LOCATION, SEE DWGS. S-37 AND S-38



CRASH WALL DETAIL AT BENT 18

SCALE: 3/8"=1'-0"



CRASH WALL DETAIL AT BENTS 19 AND 19A

SCALE: 3/8"=1'-0"

PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES[®] INC**
 Joint Venture

Q. HASHMI
 NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE: _____

New York City Department of Design & Construction
 30-30 Thomson Avenue
 Long Island City, New York, 11101

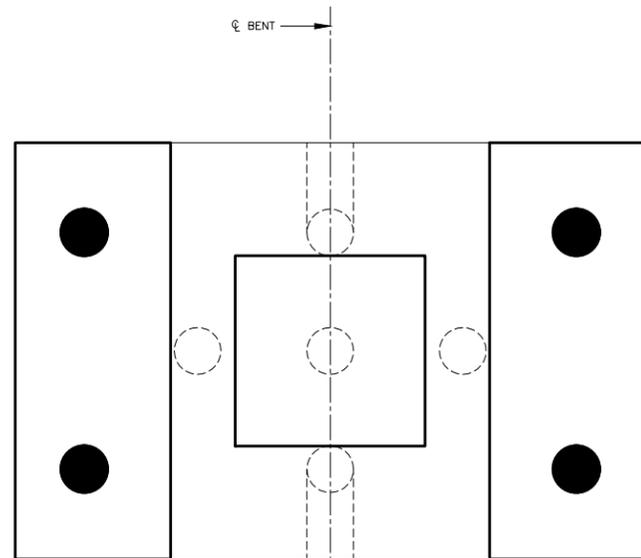
City of New York Parks & Recreation
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 New York, New York 10065

PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

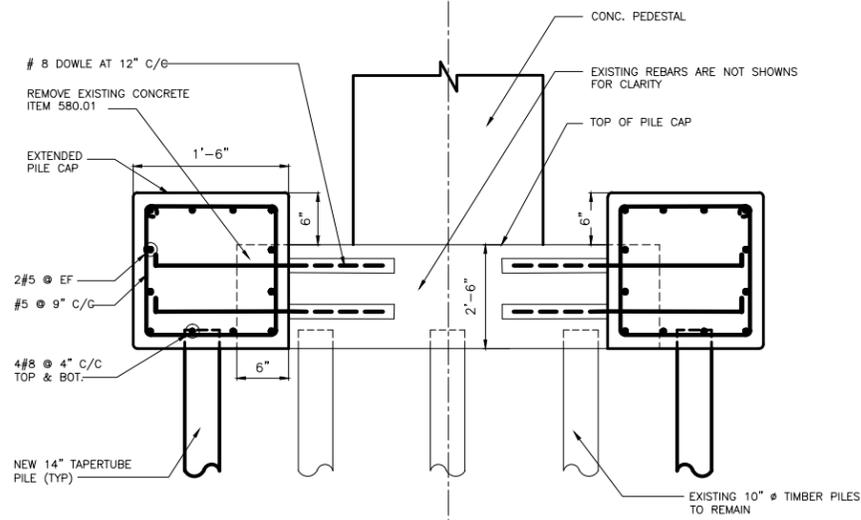
DRAWING TITLE: CRASH WALL MODIFICATION DETAILS

DESIGNED BY: A. ROSTAMIZADEH	DRAWN BY: L. GRINBERG	CHECKED BY: Q. HASHMI
SCALE: 3/8"=1'-0"	DRAWING NO.: S-39	CONTRACT NO.: HBPED700Q
DATE: 12/18/14		SHEET NO. 48 OF 58 SHEETS

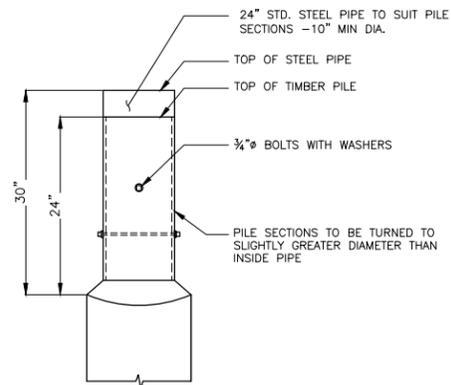
FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		49	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS		B.I.N.	



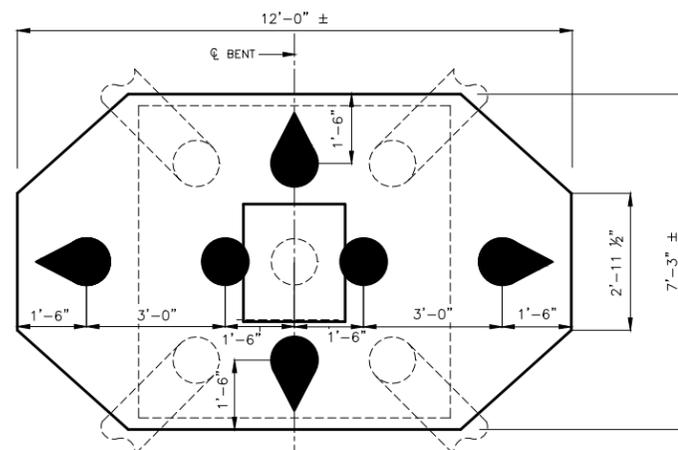
PILE RETROFIT PLAN DETAIL (TYPE 1)
SCALE: NTS



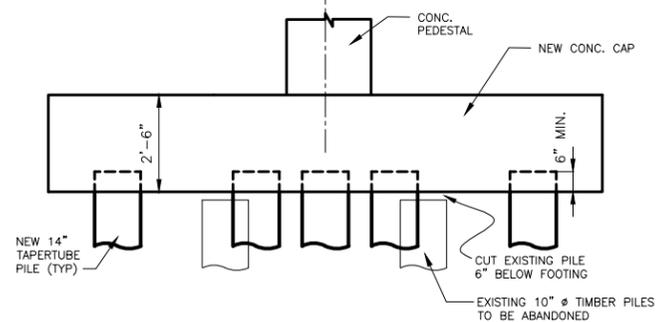
PILE RETROFIT SECTION DETAIL (TYPE 1)
SCALE: NTS



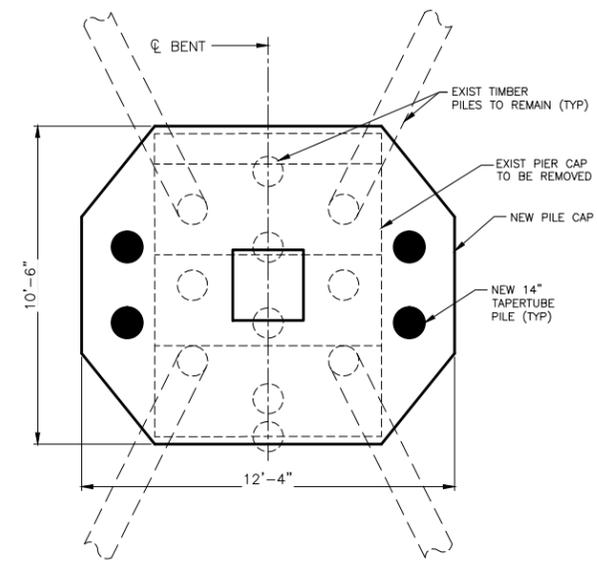
TIMBER PILE REPAIR DETAIL
SCALE: NTS



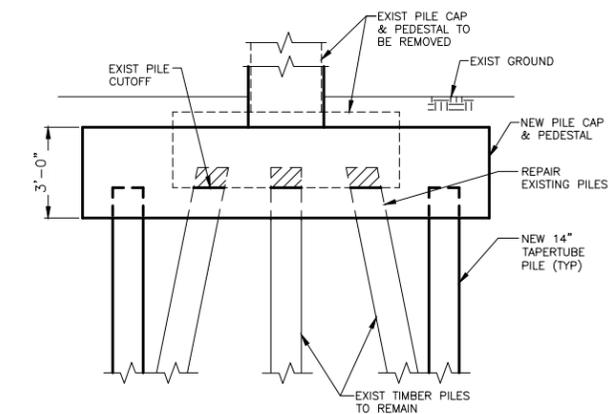
PILE RETROFIT PLAN DETAIL (TYPE 2, OPTION 1)
SCALE: NTS



PILE RETROFIT SECTION DETAIL (TYPE 2, OPTION 1)
SCALE: NTS



PILE RETROFIT PLAN DETAIL (TYPE 2, OPTION 2)
SCALE: NTS



PILE RETROFIT SECTION DETAIL (TYPE 2, OPTION 2)
SCALE: NTS

PILE RETROFIT NOTES

- TYPE 1: (INSTALL ADDITIONAL PILES AND EXTEND EXISTING PILE CAPS)
1. REMOVE EXISTING COLUMN PEDESTAL
 2. DRILL AND GROUT #8 BARS TO PILE CAP ON THE SIDE OF NEW STEEL PILE LOCATION.
 3. INSTALL NEW STEEL PILES AS REQUIRED.
 4. EXTEND PILE CAP TO ENCASE NEW PILES
 5. RECONSTRUCT COLUMN PEDESTAL TO PROPOSED ELEVATION
- TYPE 2, OPTION 1: (INSTALL NEW PILES AND PILES CAPS, DISCARD EXISTING PILES)
1. REMOVE EXISTING PILE CAP AND COLUMN PEDESTAL.
 2. CUT EXISTING TIMBER PILES TO 6 INCH BELOW BOTTOM OF PROPOSED FOOTING.
 3. INSTALL NEW STEEL PILES ADJACENT TO EXISTING PILES.
 4. RECONSTRUCT PILE CAP AND COLUMN PEDESTAL TO PROPOSED ELEVATION.
- TYPE 2, OPTION 2: (INSTALL ADDITIONAL PILES AND RECONSTRUCT PILES CAP)
1. REMOVE EXISTING PILE CAP AND COLUMN PEDESTAL. EXISTING PILES TO REMAIN
 2. INSTALL NEW PILES ADJACENT TO EXISTING PILES.
 3. REPAIR EXISTING TIMBER PILES. INSTALL STEEL PIPE ON TOP OF EXISTING PILE.
 4. RECONSTRUCT PILE CAPS AND COLUMN PEDESTAL TO PROPOSED ELEVATION.

NOTES

1. FOR BRIDGE PILE FOUNDATION RETROFIT PLAN, SEE DWGS. S-37 AND S-38

New York City Department of
Design & Construction

30-30 Thomson Avenue
Long Island City, New York, 11101

City of New York
Parks & Recreation
The Arsenal
Central Park
New York, New York 10065

PROJECT TITLE
RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE SCHEMATIC PILE RETROFIT DETAILS			
DESIGNED BY A. ROSTAMIZADEH	DRAWN BY G. SANTOS	CHECKED BY Q. HASHMI	CONTRACT NO. HBPED700Q
SCALE 3/32" = 1'-0"	DRAWING NO. S-40	DATE 12/18/14	SHEET NO. 49 OF 58 SHEETS

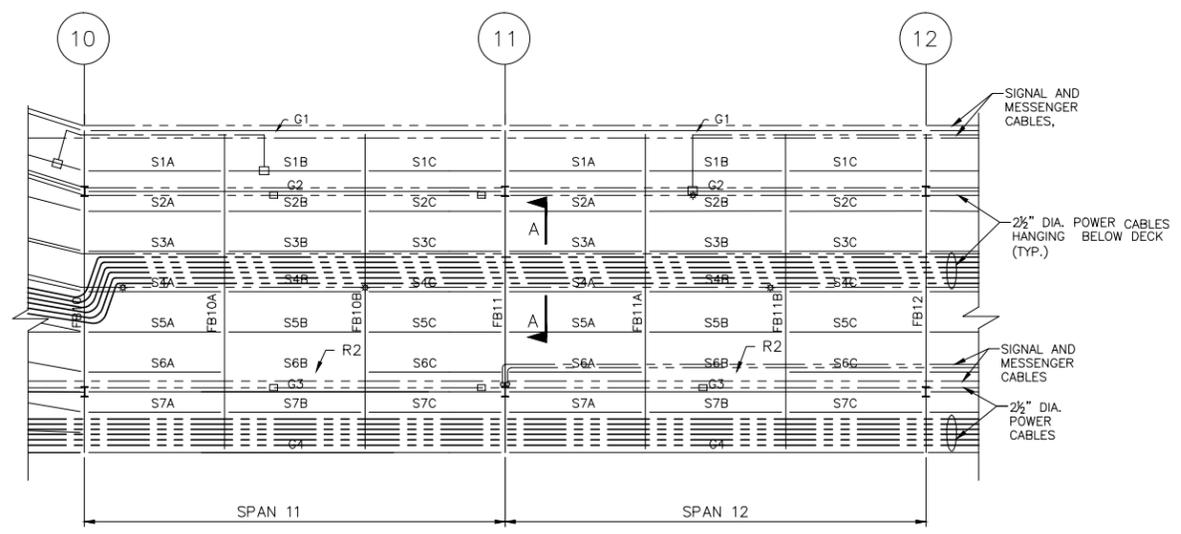
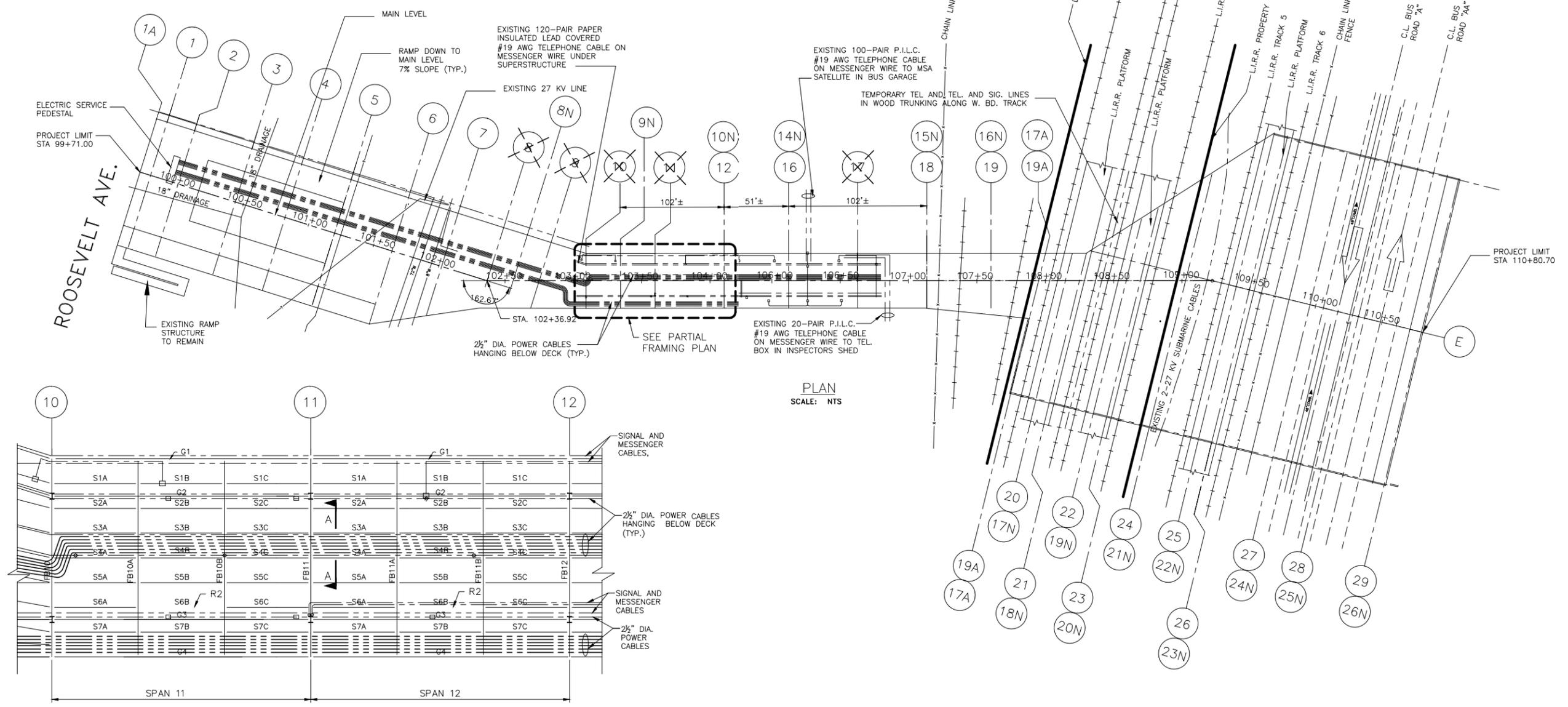
PREPARED BY:

HAKS | **WHIDLINGER ASSOCIATES INC**
Joint Venture

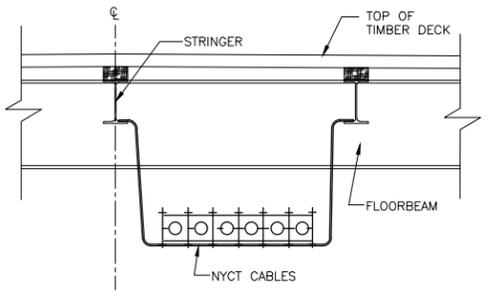
Q. HASHMI
NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX

DATE:

FED. RD. REG. NO.	STATE	PROJECT ID: HBPED700Q	SHEET NO.	TOTAL SHEETS
	NEW YORK		50	58
PASSERELLE PEDESTRIAN BRIDGE				
P.I.N.	BOROUGH OF THE QUEENS		B.I.N.	



SCHEMATIC LAYOUT OF CABLES (PARTIAL PLAN)
SCALE: NTS



TYPICAL CABLES SUPPORT DETAIL
SCALE: NTS

PLAN
SCALE: NTS

NOTES

1. NYC TRANSIT AUTHORITY SIGNAL, POWER, COMMUNICATION, AND MISCELLANEOUS CONDUITS SHOWN ON THIS DRAWING ARE APPROXIMATE. JOINT FIELD INSPECTIONS WITH NYCTA REPRESENTATIVES SHALL BE PERFORMED DURING THE FINAL DESIGN TO IDENTIFY SERVICES FOR EACH CABLE.
2. NYCTA CABLES HANGING BELOW DECK SHOULD BE SUPPORTED BENEATH THE NEW BRIDGE FRAMING STRUCTURE OR SHALL BE RELOCATED ON A SEPARATE STRUCTURE AS APPROVED BY NYCTA.
3. ALL CABLES TO REMAIN NEED TEMPORARY SUPPORT AND PROTECTION.

PREPARED BY:
Joint Venture
 Q. HASHMI NEW YORK PROFESSIONAL ENGINEER LICENSE NO. XXXXX DATE: 12/1/14

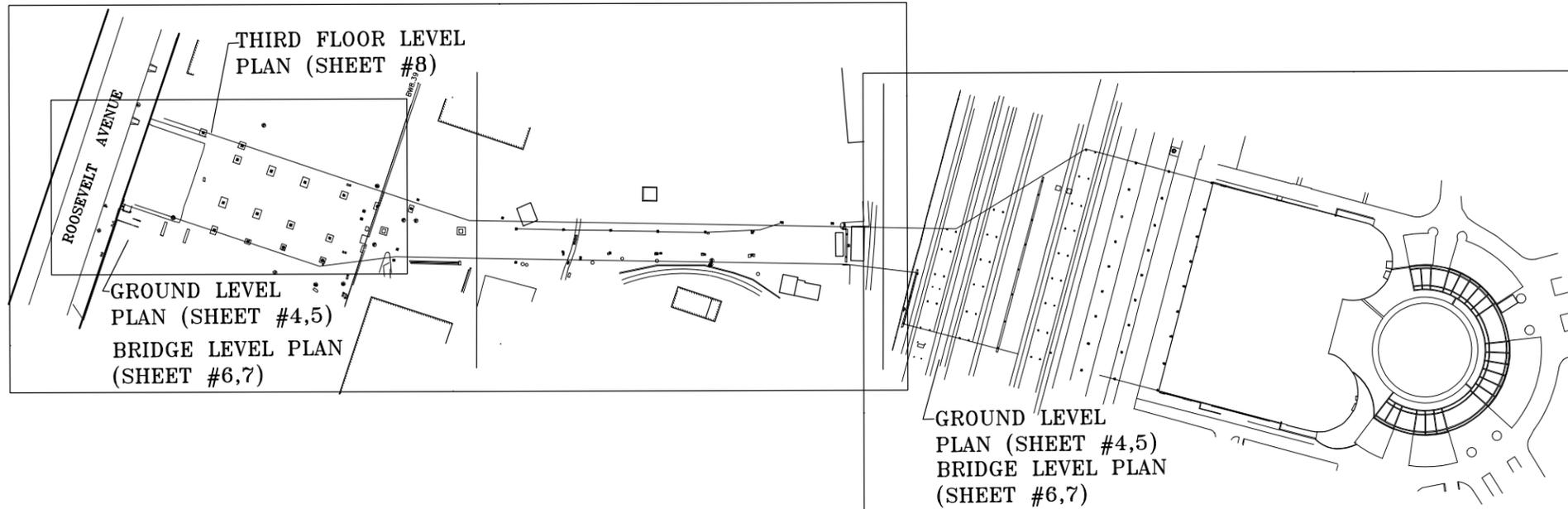
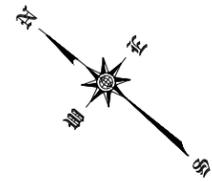
New York City Department of Design & Construction
 30-30 Thomson Avenue
 Long Island City, New York, 11101

City of New York Parks & Recreation
 The Arsenal
 Central Park
 New York, New York 10065

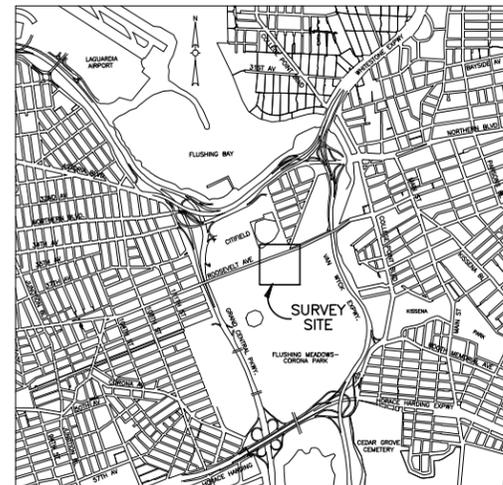
PROJECT TITLE: RECONSTRUCTION OF PASSERELLE PEDESTRIAN BRIDGE

DRAWING TITLE: NYC TRANSIT CABLE LAYOUT PLAN

DESIGNED BY:	DRAWN BY:	CHECKED BY:
		Q. HASHMI
SCALE: NTS	DRAWING NO.: 5-41	CONTRACT NO.: HBPED700Q
DATE: 12/1/14		SHEET NO. 50 OF 58 SHEETS



KEY PLAN
SCALE: 1"=30'

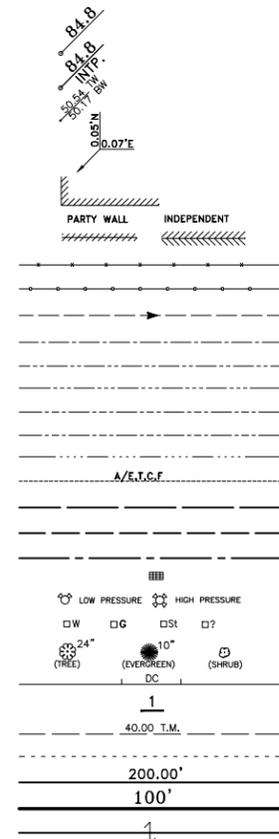


LOCATION PLAN
NOT TO SCALE

PRELIMINARY

LEGEND

- LEGAL GRADE
- INTERPOLATED GRADE
- EXISTING ELEVATION
- ENCROACHMENT
- BUILDING
- WALLS
- FENCE
- GUIDE RAIL
- SEWER
- WATER
- GAS
- ELECTRIC
- TELEPHONE
- FIRE ALARM & OR CABLE
- STEAM
- OVERHEAD UTILITY LINE
- U.S. PIERHEAD LINE
- U.S. BULKHEAD LINE
- U.S. PIERHEAD & BULKHEAD LINE
- CATCHBASIN
- FIRE HYDRANT
- VALVE
- TREE & TRUNK DIAMETER
- DEPRESSED CURB
- TAX LOT NUMBER
- TAX LOT LINE & DIMENSION
- EASEMENT LINE
- STREET LINE & DIMENSION
- SITE LINE & DIMENSION
- LOT CROSSES LINE



SYMBOLS

- MANHOLES: Sewer, Electric, Steam, Subway, Manhole (No ID), From Record Map, Water, Gas, N.Y.F.D., Telephone, BECO or CTES, Cable TV Iron
- OTHER: O.T.S., Parking Meter, Coal Chute, Vent Pipe, Fire Alarm Box, Traffic Control Box, Mailbox, Pay Phone, Electric Box, Oil Fill, Monument, Standpipe, Sprinkler, Round Drain, Square Drain, Sign, Boring Hole, Monitoring Well, Direction of Traffic
- TRAFFIC SIGNALS: Traffic Sign, Traffic Signal, Pedestrian Signal, Traffic Signal w/Pedestrian Signal, Wood Utility Pole w/Fire Alarm Box, Wood Utility Pole w/Pedestrian Signal, Wood Utility Pole w/Traffic Signal, Wood Utility Pole w/Traffic Signal & Ped. Signal, Wood Utility Pole w/Street Light, Wood Utility Pole w/Street Light & Fire Alarm Box, Wood Utility Pole w/Street Light & Pedestrian Signal, Wood Utility Pole w/Street Light & Traffic Signal, Wood Utility Pole w/Street Light, Traf. Signal & Ped. Signal, Metal Street Light, Metal Street Light w/Pedestrian Signal, Metal Street Light w/Traffic Signal, Metal Street Light w/Traffic Signal & Pedestrian Signal

NOTES

ALL ELEVATIONS SHOWN REFER TO THE BOROUGH OF QUEENS DATUM WHICH IS 2.725 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.
 ALL SUBSURFACE INFORMATION SHOWN IS TAKEN FROM VARIOUS MAPS AND IS NOT GUARANTEED FOR ACCURACY OR COMPLETENESS.
 ALL DIMENSIONS SHOWN ARE IN THE U.S. STANDARD OF MEASUREMENT.
 ALL ENCROACHMENTS SHOWN TO POLES OR TREES REFER TO THE CENTER OF SAME.
 SITE COMPRISES: LOT 1R, 100R, 150R & 350R IN BLOCK 2018 AS SHOWN ON THE "TAX MAP" OF THE CITY OF NEW YORK.
 FIELD SURVEY COMPLETED: OCTOBER 17, 2013
 ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S BLUE INKED OR EMBOSSED SEAL SHALL BE CONSIDERED TO BE A TRUE VALID COPY
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 ALL INFORMATION ON THIS MAP, EXCEPT THAT PERTAINING TO THE PROPERTY LINE, IS FOR REFERENCE ONLY.

CITY OF NEW YORK
 DEPARTMENT OF DESIGN + CONSTRUCTION
 DIVISION OF SAFETY AND SITE SUPPORT

PREPARED FOR:
 BUREAU OF SITE ENGINEERING
 TOPOGRAPHICAL SECTION

PREPARED BY:
 HAKS
 40 WALL STREET, 11TH FLOOR
 NEW YORK, N.Y. 10005

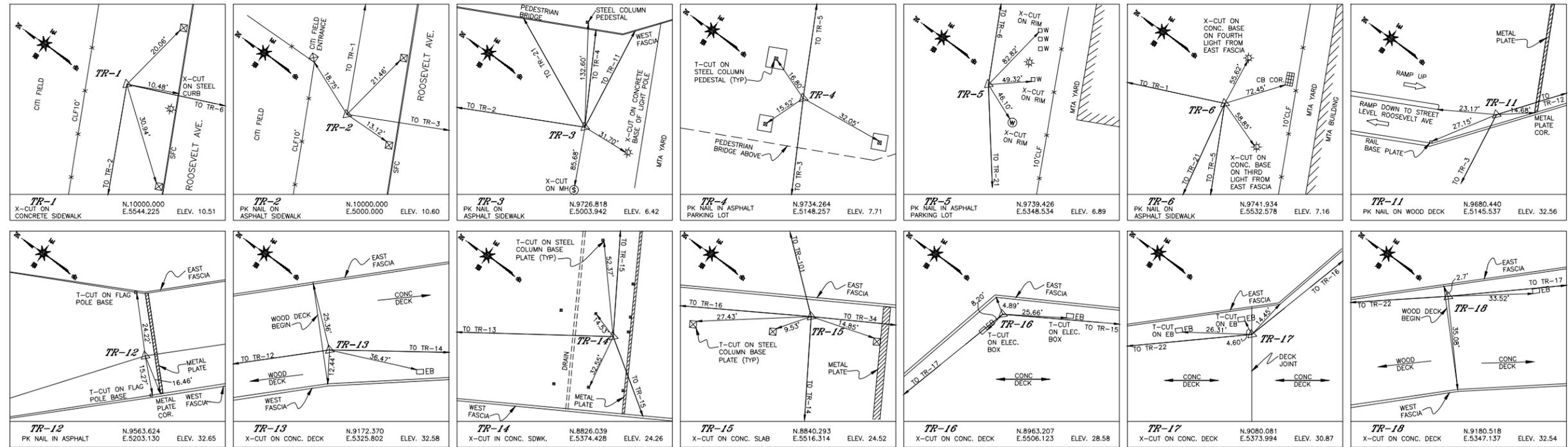
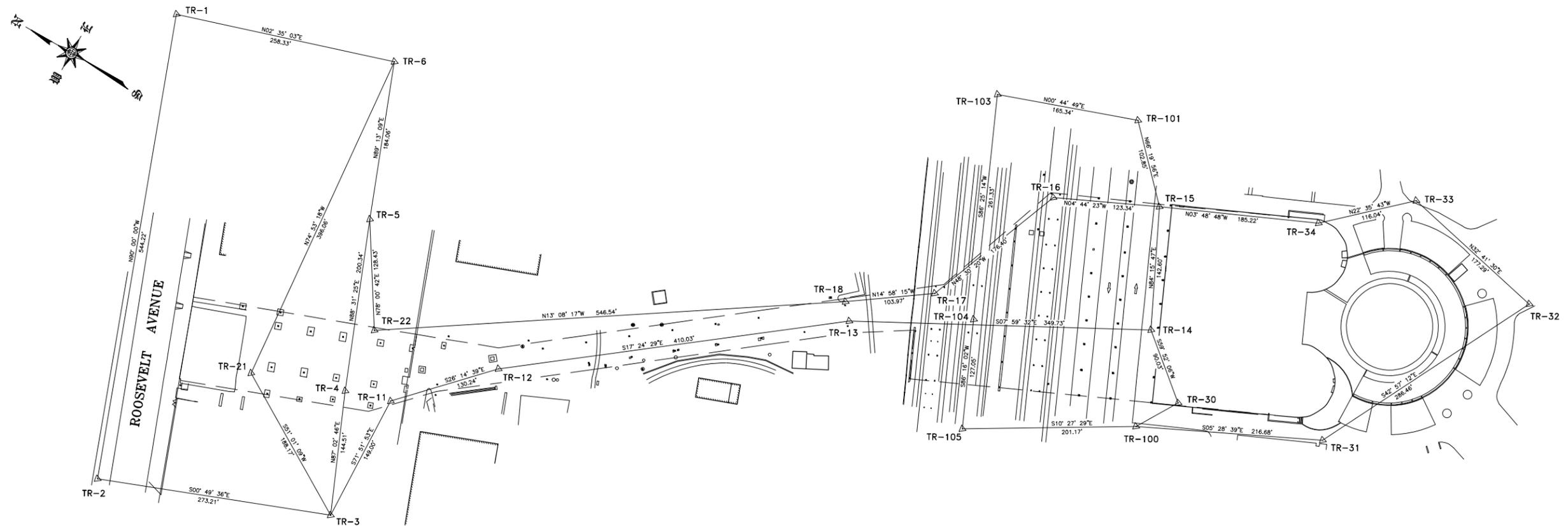
PASSERELLE PEDESTRIAN BRIDGE
 FLUSHING MEADOWS / CORONA PARK
 BOROUGH OF QUEENS

KEY PLAN & LEGEND

DATE: 11/22/13

SHEET 51 OF 58

PARTY CHIEF _____	OLTON OLIVER, L.S. CHIEF TOPOGRAPHICAL SECTION	ADOLPH HOEGLER DIRECTOR BUREAU OF SITE ENGINEERING	MARK A. CANU ASSOCIATE COMMISSIONER DIVISION OF SAFETY AND SITE SUPPORT	NO.	DATE	DESCRIPTIONS REVISIONS	APPR'D
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DRAFTED _____ CHECKED _____							
FIELD EDITED _____							

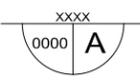


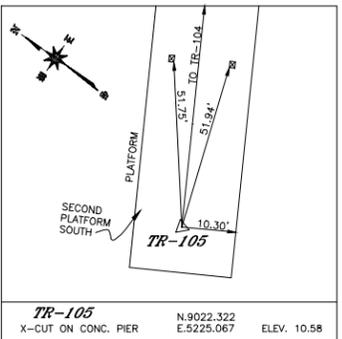
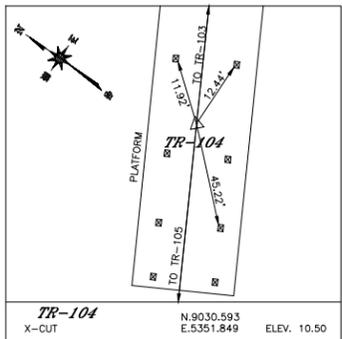
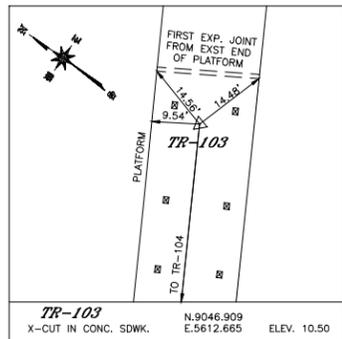
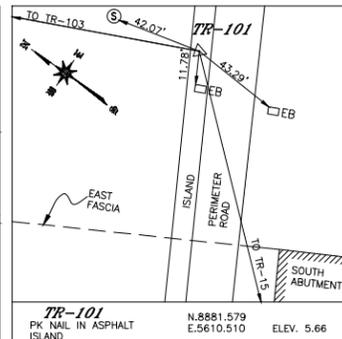
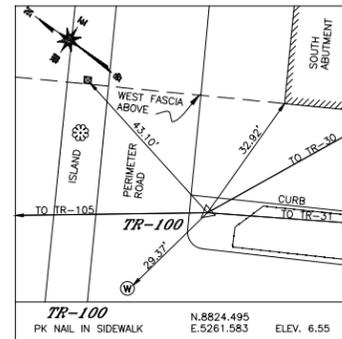
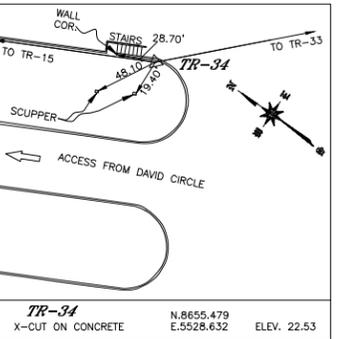
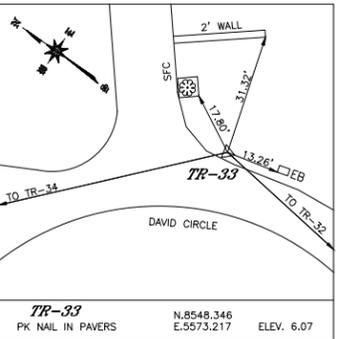
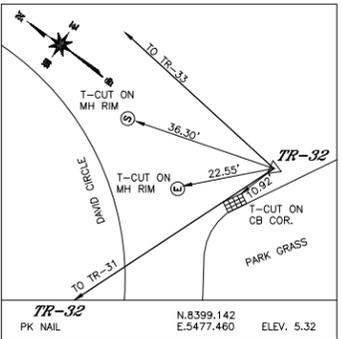
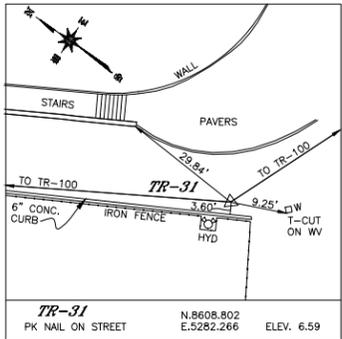
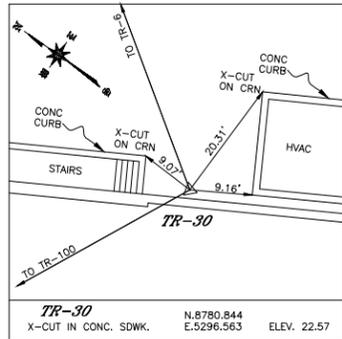
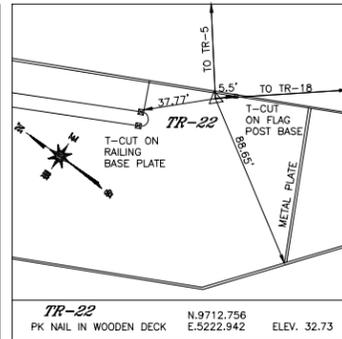
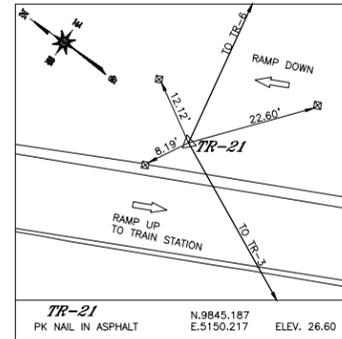
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"UNAUTHORIZED ALTERATIONS OR ADDITION TO A LAND SURVEYING DRAWING BEARING A LICENSED PROFESSIONAL LAND SURVEYOR'S SEAL IS A VIOLATION OF ARTICLE 145, SECTION 7209, PARAGRAPH 2 OF THE NEW YORK STATE EDUCATION LAW"

FIELD SURVEY WAS COMPLETED IN: OCTOBER 2012.

ALFRED BARCENILLA, PE, PLS, NYS LIC. NO. 050081-1 DATE

 CITY OF NEW YORK DEPARTMENT OF DESIGN + CONSTRUCTION DIVISION OF SAFETY AND SITE SUPPORT		
XXXX  0000 A	PREPARED FOR: BUREAU OF SITE ENGINEERING TOPOGRAPHICAL SECTION	PREPARED BY: HAKS 40 WALL STREET, 11TH FLOOR NEW YORK, N.Y. 10005
PASSERELLE PEDESTRIAN BRIDGE FLUSHING MEADOWS / CORONA PARK BOROUGH OF QUEENS		
TRAVERSE AND TIES DIAGRAM		
PARTY CHIEF _____ COMPUTATION _____ CHECKED _____ DRAFTED _____ CHECKED _____ FIELD EDITED _____	OLTON OLIVER, L.S. CHIEF TOPOGRAPHICAL SECTION	ADOLPH HOEGLER DIRECTOR BUREAU OF SITE ENGINEERING
NO. _____ DATE _____ DESCRIPTIONS REVISIONS _____ APPR'D _____	DATE 11/19/13	SHEET 52 OF 58



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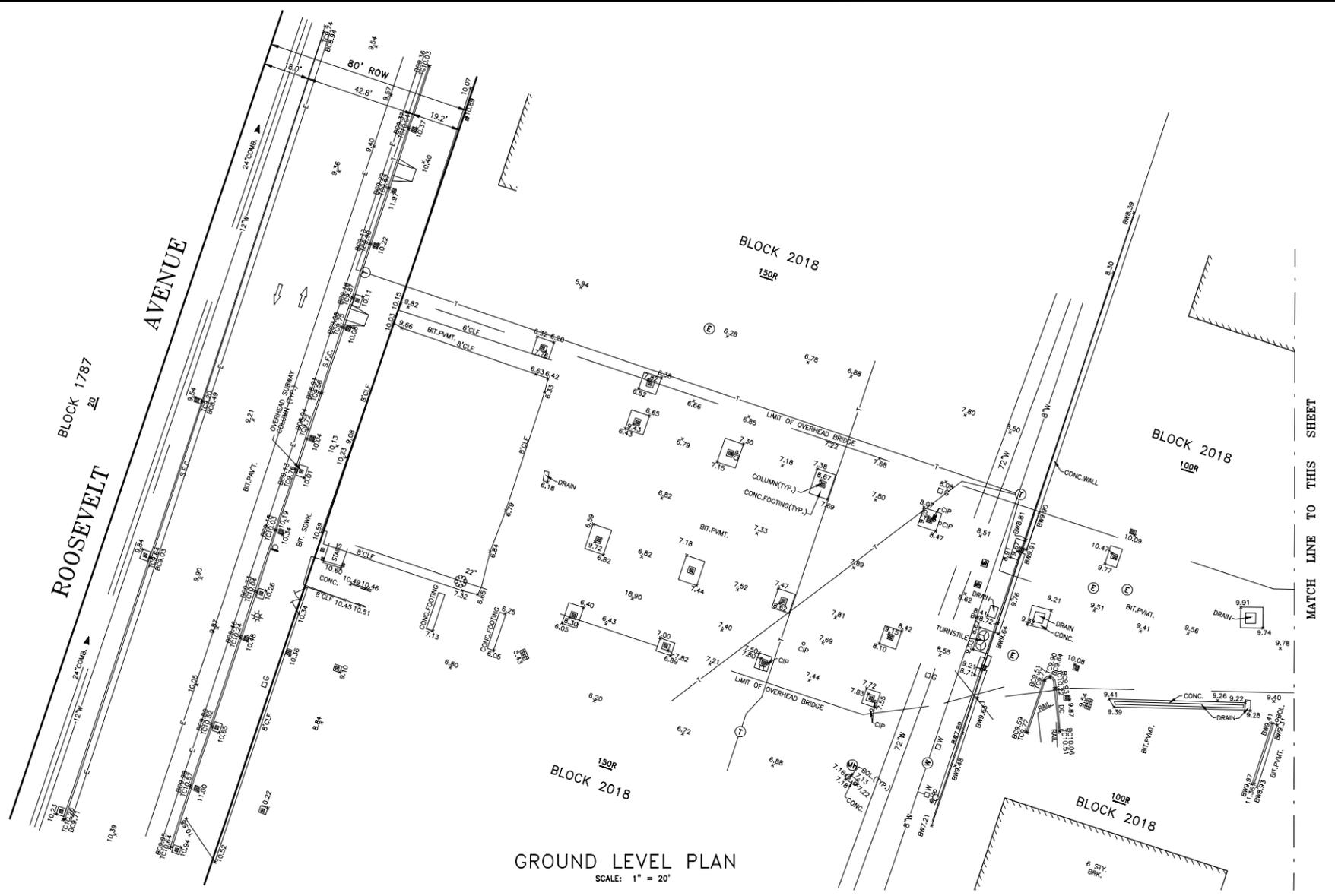
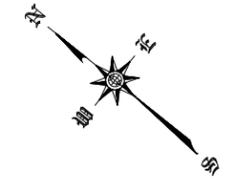
OLTON OLIVER, L.S.
CHIEF
TOPOGRAPHICAL SECTION

ADOLPH HOEGLER
DIRECTOR
BUREAU OF SITE ENGINEERING

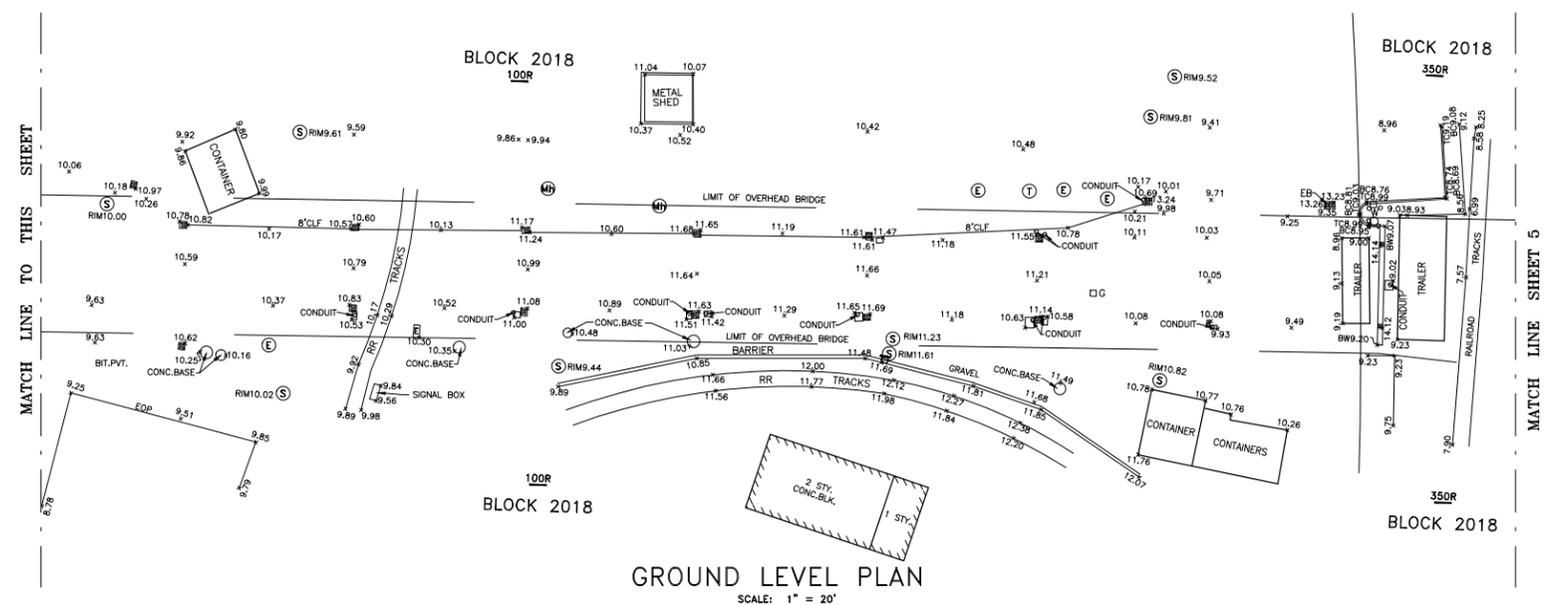
MARK A. CANU
ASSOCIATE COMMISSIONER
DIVISION OF SAFETY AND SITE SUPPORT

NO.	DATE	DESCRIPTIONS REVISIONS	APPR'D

<p>CITY OF NEW YORK DEPARTMENT OF DESIGN + CONSTRUCTION DIVISION OF SAFETY AND SITE SUPPORT</p>		
<p>XXXX 0000 A</p> <p>T0000A0G0000</p>	<p>PREPARED FOR: BUREAU OF SITE ENGINEERING TOPOGRAPHICAL SECTION</p> <p>PREPARED BY: HAKS 40 WALL STREET, 11TH FLOOR NEW YORK, N.Y. 10005</p>	
<p>PASSERELLE PEDESTRIAN BRIDGE FLUSHING MEADOWS / CORONA PARK</p> <p>BOROUGH OF QUEENS</p>		
<p>TRAVERSE AND TIES DIAGRAM</p>		
DATE 11/19/13		SHEET 53 OF 58



GROUND LEVEL PLAN
SCALE: 1" = 20'

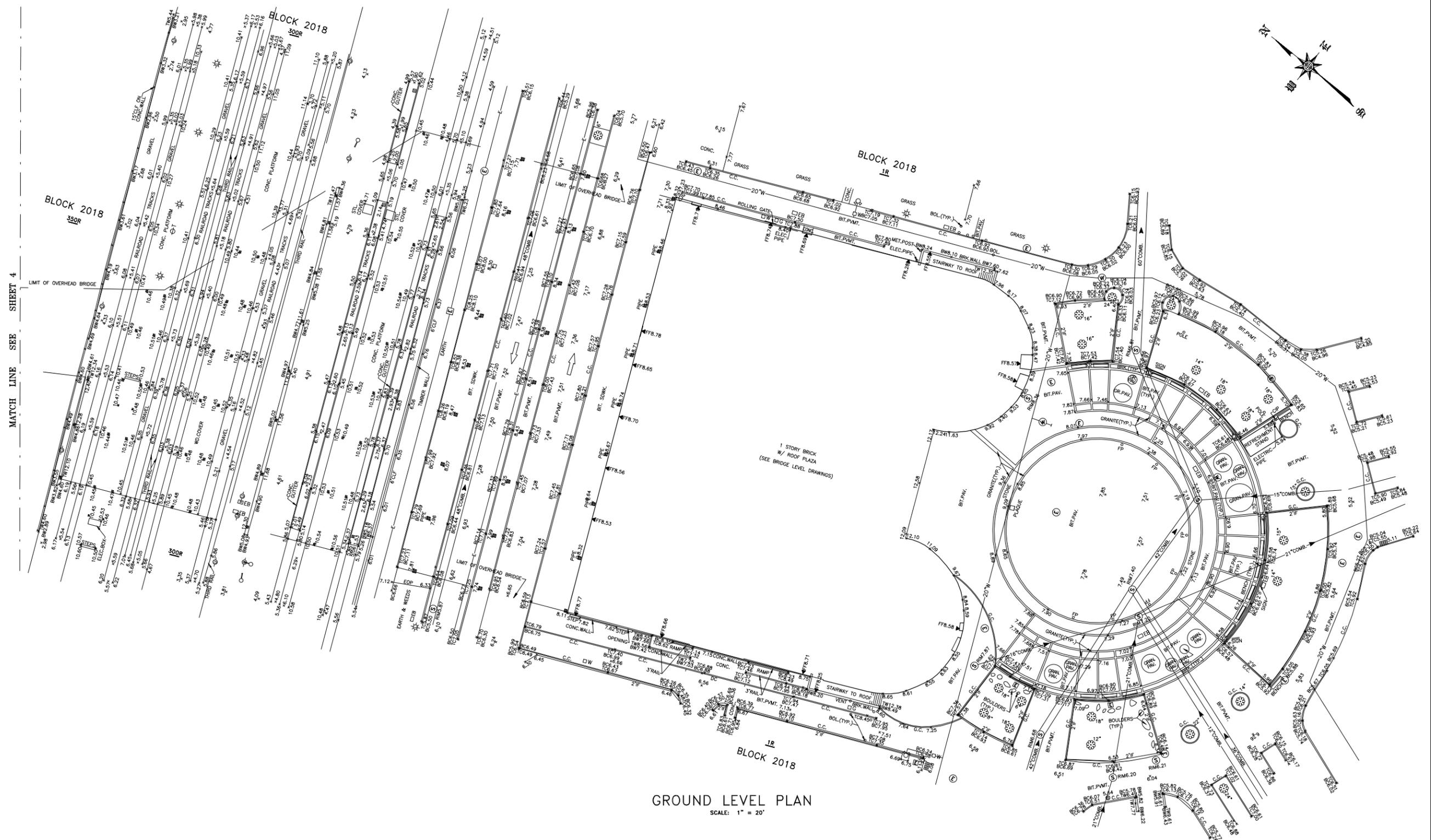


GROUND LEVEL PLAN
SCALE: 1" = 20'

PRELIMINARY

	CITY OF NEW YORK DEPARTMENT OF DESIGN + CONSTRUCTION DIVISION OF SAFETY AND SITE SUPPORT	
	PREPARED FOR: BUREAU OF SITE ENGINEERING TOPOGRAPHICAL SECTION	PREPARED BY: HAKS 40 WALL STREET, 11TH FLOOR NEW YORK, N.Y. 10005
XXXX 0000 A T0000A0G0000	PASSERELLE PEDESTRIAN BRIDGE FLUSHING MEADOWS / CORONA PARK BOROUGH OF QUEENS	
GROUND LEVEL PLAN - 1		
DATE 11/22/13		SHEET 54 OF 58

PARTY CHIEF _____ COMPUTATION _____ CHECKED _____ DRAFTED _____ CHECKED _____ FIELD EDITED _____	OLTON OLIVER, L.S. CHIEF TOPOGRAPHICAL SECTION	ADOLPH HOEGLER DIRECTOR BUREAU OF SITE ENGINEERING	MARK A. CANU ASSOCIATE COMMISSIONER DIVISION OF SAFETY AND SITE SUPPORT	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTIONS REVISIONS</th> <th>APPR'D</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	DESCRIPTIONS REVISIONS	APPR'D																
NO.	DATE	DESCRIPTIONS REVISIONS	APPR'D																					



GROUND LEVEL PLAN
SCALE: 1" = 20'

PRELIMINARY

		CITY OF NEW YORK	
		DEPARTMENT OF DESIGN + CONSTRUCTION	
		PREPARED FOR:	PREPARED BY:
		BUREAU OF SITE ENGINEERING TOPOGRAPHICAL SECTION	HAKS 40 WALL STREET, 11TH FLOOR NEW YORK, N.Y. 10005
PASSERELLE PEDESTRIAN BRIDGE FLUSHING MEADOWS / CORONA PARK BOROUGH OF QUEENS			
GROUND LEVEL PLAN - 2			
DATE	11/19/13	SHEET	55 OF 58

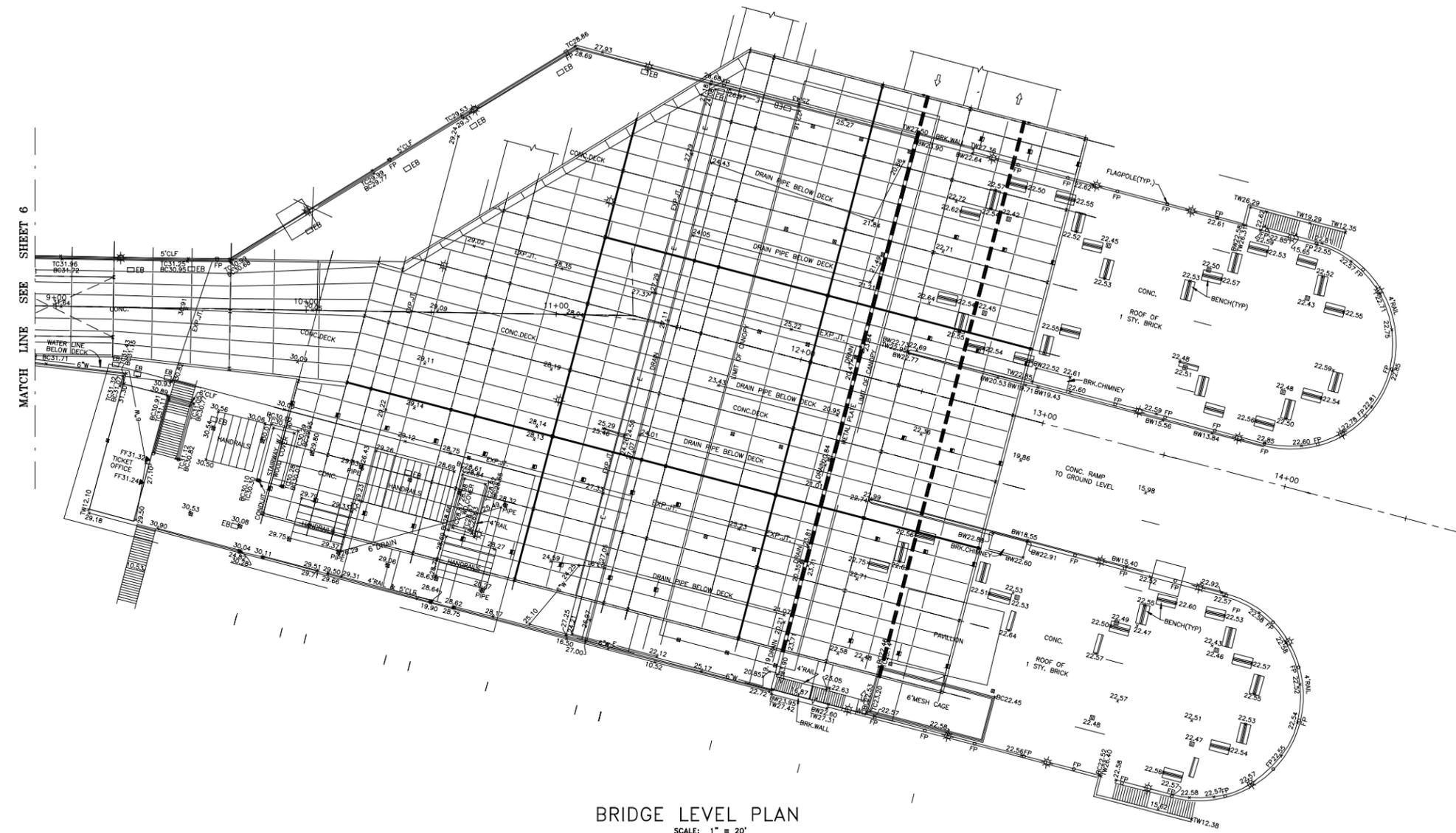
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 CHIEF
 TOPOGRAPHICAL SECTION

ADOLPH HOEGLER
 DIRECTOR
 BUREAU OF SITE ENGINEERING

MARK A. CANU
 ASSOCIATE COMMISSIONER
 DIVISION OF SAFETY AND SITE SUPPORT

NO.	DATE	DESCRIPTIONS REVISIONS	APPR'D

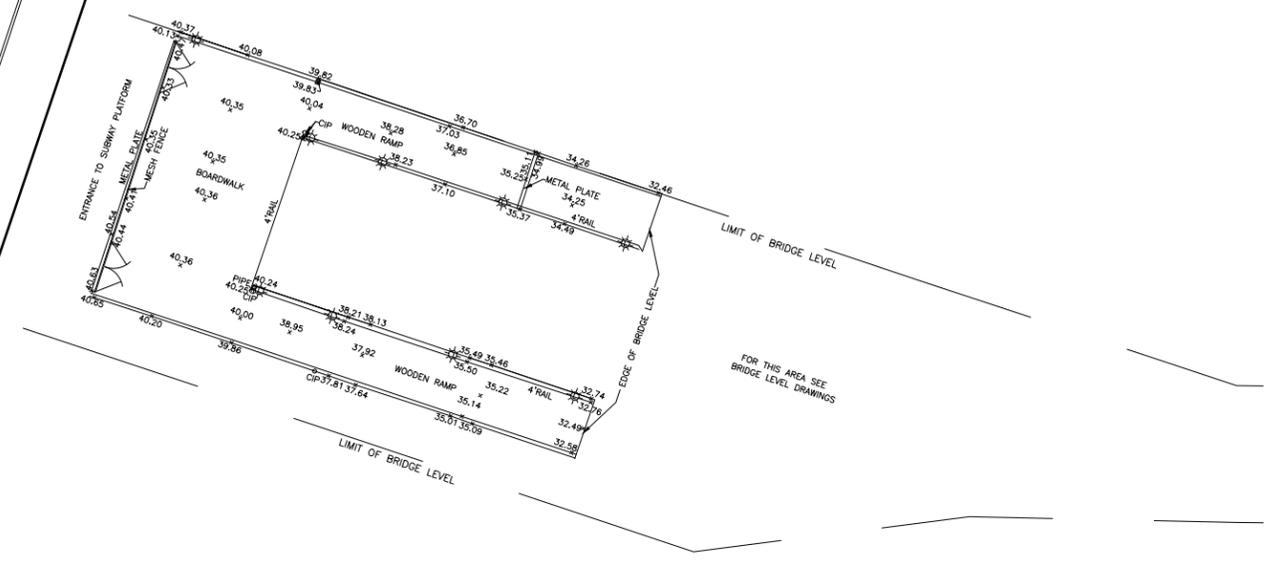
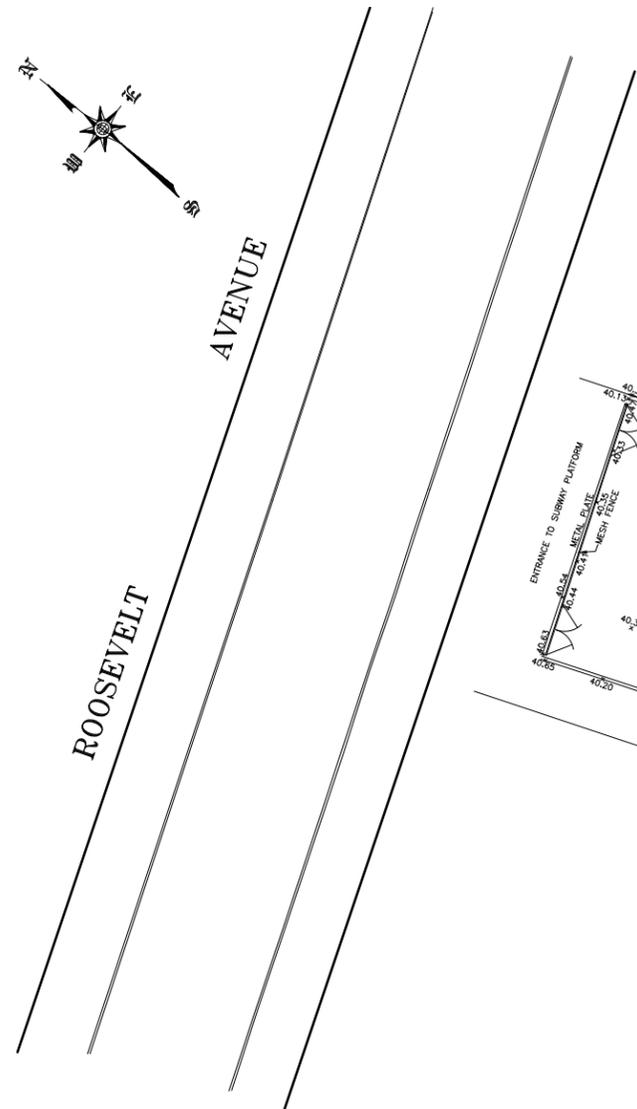
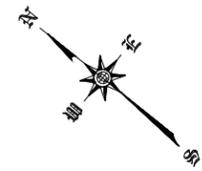


BRIDGE LEVEL PLAN
SCALE: 1" = 20'

PRELIMINARY

 CITY OF NEW YORK DEPARTMENT OF DESIGN + CONSTRUCTION DIVISION OF SAFETY AND SITE SUPPORT		
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PASSERELLE PEDESTRIAN BRIDGE FLUSHING MEADOWS / CORONA PARK BOROUGH OF QUEENS		
BRIDGE LEVEL PLAN - 2		
DATE 11/22/13		SHEET 57 OF 58

PARTY CHIEF _____ COMPUTATION _____ CHECKED _____ DRAFTED _____ CHECKED _____ FIELD EDITED _____	OLTON OLIVER, L.S. CHIEF TOPOGRAPHICAL SECTION	ADOLPH HOEGLER DIRECTOR BUREAU OF SITE ENGINEERING	MARK A. CANU ASSOCIATE COMMISSIONER DIVISION OF SAFETY AND SITE SUPPORT	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTIONS REVISIONS</th> <th>APPR'D</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	DESCRIPTIONS REVISIONS	APPR'D												
NO.	DATE	DESCRIPTIONS REVISIONS	APPR'D																	



THIRD FLOOR LEVEL (RAMP) PLAN

SCALE: 1" = 20'

PRELIMINARY

 CITY OF NEW YORK DEPARTMENT OF DESIGN + CONSTRUCTION DIVISION OF SAFETY AND SITE SUPPORT	
PREPARED FOR: BUREAU OF SITE ENGINEERING TOPOGRAPHICAL SECTION	PREPARED BY: HAKS 40 WALL STREET, 11TH FLOOR NEW YORK, N.Y. 10005
PASSERELLE PEDESTRIAN BRIDGE FLUSHING MEADOWS / CORONA PARK BOROUGH OF QUEENS	
THIRD FLOOR LEVEL (RAMP) PLAN	
DATE 11/22/13	
SHEET 58 OF 58	

PARTY CHIEF _____
COMPUTATION _____ CHECKED _____
DRAFTED _____ CHECKED _____
FIELD EDITED _____

OLTON OLIVER, L.S.
CHIEF
TOPOGRAPHICAL SECTION

ADOLPH HOEGLER
DIRECTOR
BUREAU OF SITE ENGINEERING

MARK A. CANU
ASSOCIATE COMMISSIONER
DIVISION OF SAFETY AND SITE SUPPORT

NO.	DATE	DESCRIPTIONS REVISIONS	APPR'D