

Battery Park City Authority
Second Place, Belvedere and Chambers Street Sinkholes
Contract No. _____

Estimate of Quantities and Scope of Work:

LOCATION No.: 3 – Chambers Street

<u>Item Number:</u>	<u>Item Description:</u>	<u>Unit:</u>	<u>Quantity:</u>	<u>Price per Unit:</u>	<u>Total per Item:</u>
1254/10-01	Mobilization	L.S.	1.00		
1254/10-02	Work Zone Safety Control	L.S.	1.00		
1254/10-03	Preconstruction Survey	L.S.	1.00		
1254/10-04	Remove and Dispose Existing Concrete Sidewalk, 4 ½ Inch Thick	Sq. Ft.	6.00		
1254/10-05	Remove and Dispose Existing Concrete Underlayment, 5 Inch Thick, In Asphalt Pavers Sidewalk Area	Sq. Ft.	<u>745.00</u>		
1254/10-06	Remove, Refurbish and Store Existing Asphalt Pavers, 2 ½ Inch Thick	Sq. Ft.	<u>745.00</u>		
1254/10-07	Remove, Refurbish and Store Belgium Block Pavers	Sq. Ft.	116.00		
1254/10-08	Remove Damaged Granite Curb Section	Linear Feet	<u>15.00</u>		
1254/10-09	Unclassified Excavation and Disposal	Cubic Yard	32.00		
1254/10-10	Excavation Protection Sheeting	Sq. Ft.	100.00		
1254/10-11	Select Granular Fill	Cubic Yard	18.00		
1254/10-12	Flowable Fill – Minimum 300 Lb per Sq. Inch Compressive Strength Concrete Mix	Cubic Yard	5.00		
1254/10-13	Sand Backfill	Cu. Yard	9.00		
1254/10-14	Concrete Underlayment for Asphalt Concrete Pavers, 4 ½ Inch Thick	Sq. Ft.	<u>745.00</u>		
1254/10-15	Asphalt Underlayment for Asphalt Concrete Pavers, 1 ½ Inch Thick	Sq. Ft.	<u>745.00</u>		
1254/10-16	Reinstall Asphalt Concrete Pavers (up to 20% of Replacement New Pavers to be Included in the Price Bid)	Sq. Ft.	<u>745.00</u>		
1254/10-17	Stone Screenings Underlayment for Belgium Block Pavers	Cubic Yard	3.00		
1254/10-18	Reinstall Belgium Block Pavers	Sq. Ft.	116.00		
1254/10-19	Replace Damaged Granite Curb Section	Linear Feet	<u>15.00</u>		
1254/10-27	Concrete Sidewalks and Driveways	Sq. Ft.	6.00		

Total Cost Location No. 3 _____

REVISED

ESTIMATE OF QUANTITIES
LOCATION NO.: 3 - CHAMBERS STREET


ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
1254/10-01	MOBILIZATION	L.S.	1.00
1254/10-02	WORK ZONE SAFETY CONTROL	L.S.	1.00
1254/10-03	PRECONSTRUCTION SURVEY	L.S.	1.00
1254/10-04	REMOVE AND DISPOSE EXISTING CONCRETE SIDE WALK, 4½" INCH THICK	SQ. FT.	6.00
1254/10-05	REMOVE AND DISPOSE EXISTING CONCRETE UNDERLAYMENT, 5 INCH THICK, IN ASPHALT PAVERS SIDEWALK AREA	SQ. FT.	745.00
1254/10-06	REMOVE, REFURBISH AND STORE EXISTING ASPHALT PAVERS, 2 ½ INCH THICK	SQ. FT.	745.00
1254/10-07	REMOVE, REFURBISH AND STORE BELGIUM BLOCK PAVERS	SQ. FT.	116.00
1254/10-08	REMOVE DAMAGED GRANITE CURB SECTION	LINEAR FEET	15.00
1254/10-09	UNCLASSIFIED EXCAVATION AND DISPOSAL	CU. YARD	32.00
1254/10-10	EXCAVATION PROTECTION SHEETING	SQ. FT.	100.00
1254/10-11	SELECT GRANULAR FILL	CU. YARD	18.00
1254/10-12	FLOWABLE FILL – MINIMUM 300 LB PER SQ. INCH COMPRESSIVE STRENGTH CONCRETE MIX	CU. YARD	5.00
1254/10-13	SAND BACKFILL	CU. YARD	9.00
1254/10-14	CONCRETE UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 4 ½ INCH THICK	SQ. FT.	745.00
1254/10-15	ASPHALT UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 1 ½ INCH THICK	SQ. FT.	745.00
1254/10-16	REINSTALL ASPHALT CONCRETE PAVERS (UP TO 20% OF REPLACEMENT NEW PAVERS TO BE INCLUDED IN THE PRICE BID)	SQ. FT.	745.00
1254/10-17	STONE SCREENINGS UNDERLAYMENT FOR BELGIUM BLOCK PAVERS	CU. YARD	3.00
1254/10-18	REINSTALL BELGIUM BLOCK PAVERS	SQ. FT.	116.00
1254/10-19	REPLACE DAMAGED GRANITE CURB SECTION	LINEAR FEET	15.00
1254/10-27	CONCRETE SIDEWALKS AND DRIVEWAYS	SQ. FT.	6.00

NOTES:

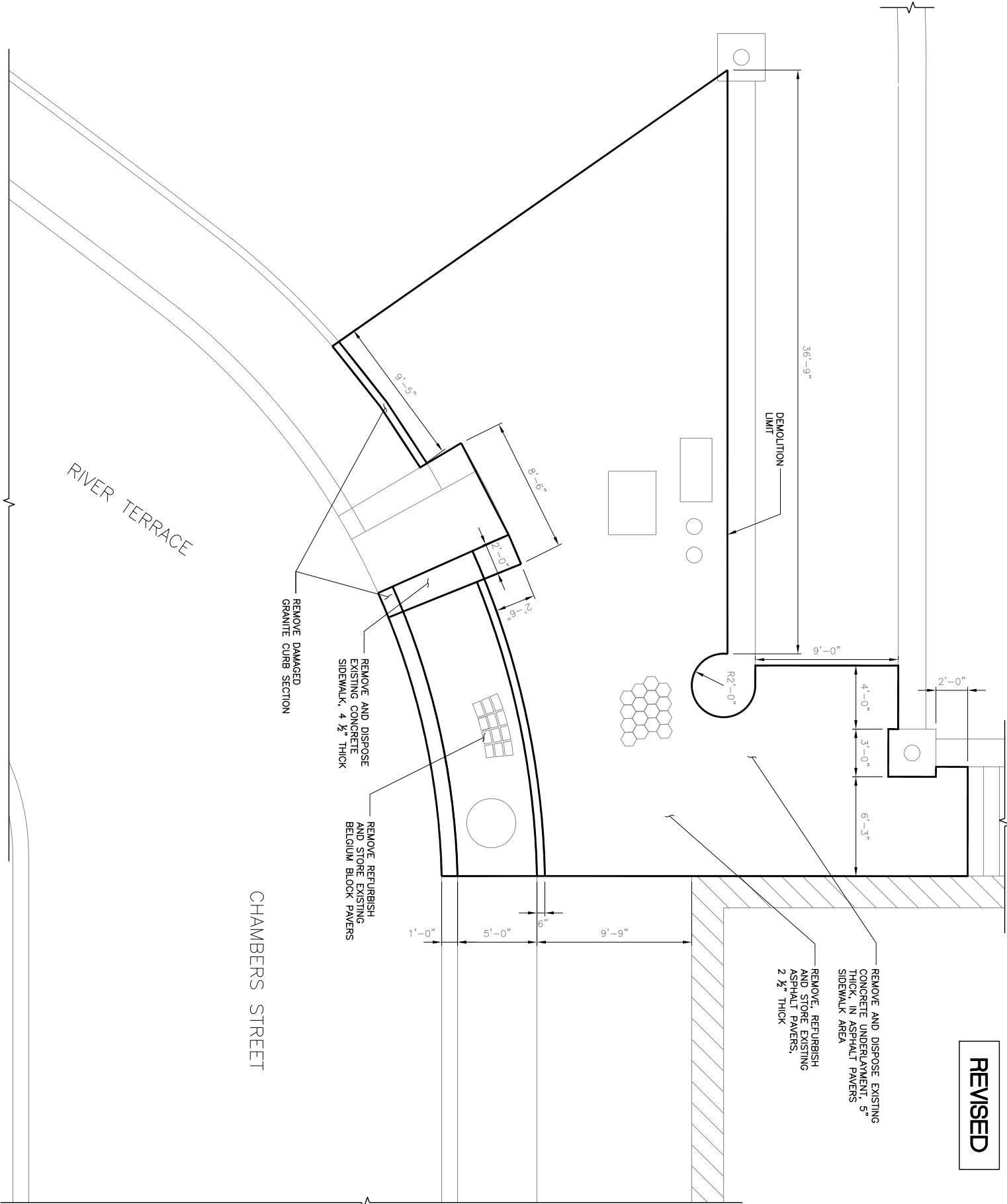
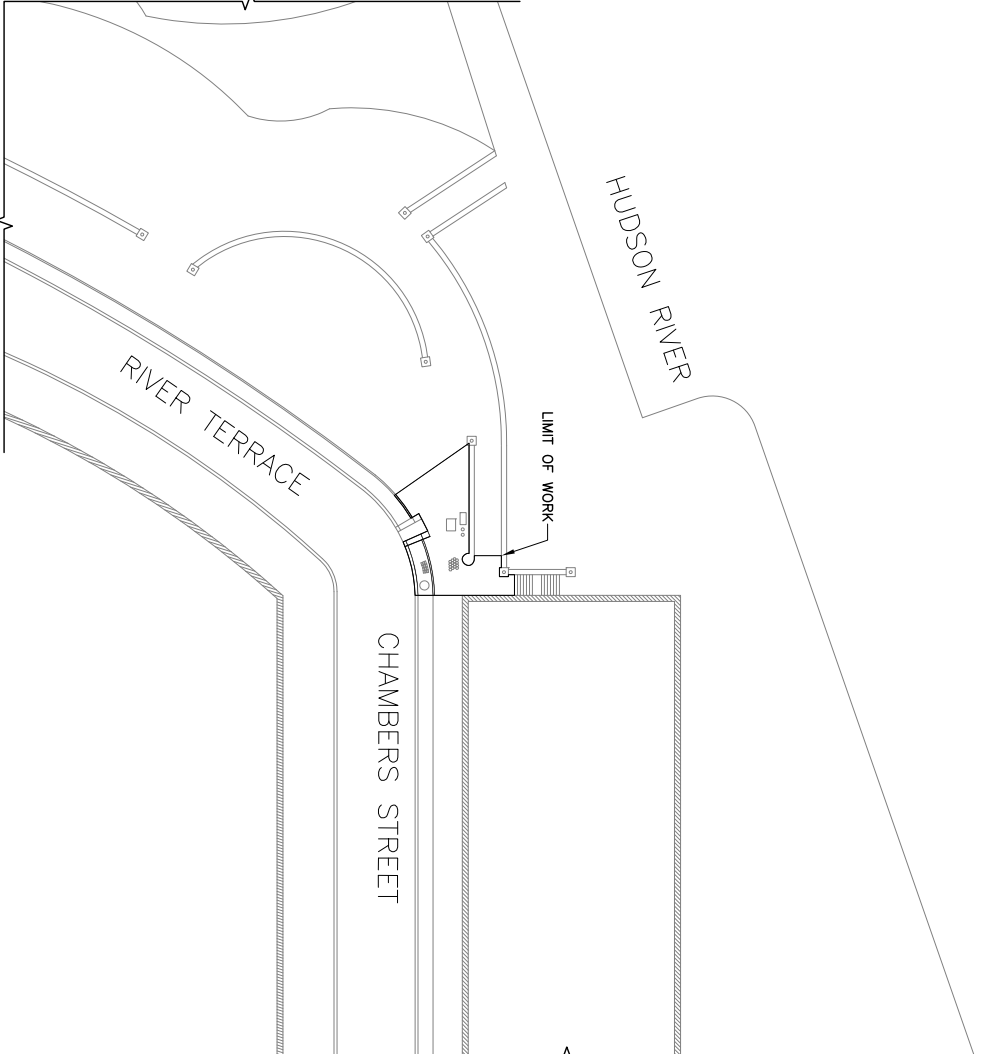
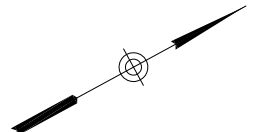
- ADDITIONAL ITEMS TO BE PROVIDED BY CONTRACTORS FOR BID EVALUATION.
- TIME AND MATERIALS PRICES FOR ADDITIONAL WORK ONLY NOT SHOWN IN THE CONTRACT DRAWINGS.
- ADDITIONAL WORK WILL BE DETERMINED BY BRCA ENGINEER UPON COMPLETION OF EXPLORATORY EXCAVATION.
- SCOPE OF ADDITIONAL SERVICES: MOBILIZE AND DEMOBILIZE; EXCAVATE AN AREA OF THE SINK HOLE TO DISCOVER THE CAUSING PROBLEM; REMEDIATE PROBLEM AS DIRECTED BY ENGINEER, PROVIDE ALL NECESSARY LABOR MATERIAL* (SEE NOTE BELOW) AND EQUIPMENT.

A	LABOR COST	UNIT
1.	LABOR FOREMEN (1 FOREMEN x 4 DAYS x 8 HR)	PER HR
2.	LABOR (1 LABORERS x 4 DAYS x 8 HR)	PER HR
3.	OPERATING ENGINEER (1 OPERATOR x 4 DAYS x 8 HR)	PER HR
4.	MASON	PER HR
5.	TEAMSTER	PER HR
C	EQUIPMENT COST	UNIT
1.	UTILITY/COMPRESSOR TRUCK WITH SMALL TOOLS INCLUDING OPERATING COST	PER DAY
2.	ALUMINIUM SHEETING BOX (12' LONG x 8'DEEP X 4' TO 8' WIDE)	PER DAY
3.	EXCAVATOR CAT 450 INCLUDING OPERATING COST	PER DAY
4.	DUMP TRUCK	PER DAY

* MATERIALS COST WILL BE REMBURSED UPON INSTALLATION AND INVOICES TO BE PRESENTED TO BRCA WITH THE 10% OVERHEAD PLUS 5% PROFIT ALLOWANCE.

DESIGNED BY:	DRAWN BY:	CHECKED BY:	BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10		
		REVISIONS	SECOND PLACE ESTIMATE OF QUANTITIES 2 OF 2 CITY OF NEW YORK, BOROUGH OF MANHATTAN		
DIEGO ALAIMO PROFESSIONAL ENGINEER N.Y. LICENSE NO. 053085-1		SCALE: AS SHOWN	DATE: 04/22/2013	PROJECT NO.: 1254-10	SHEET NO.: C-03/R1
				Engineers • Surveyors • Construction Managers 65 Broadway, Suite 401, New York, N.Y., 10006 Phone: (212) 616-2657, Fax: (212) 616-3060	

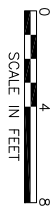
REVISED



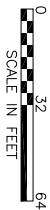
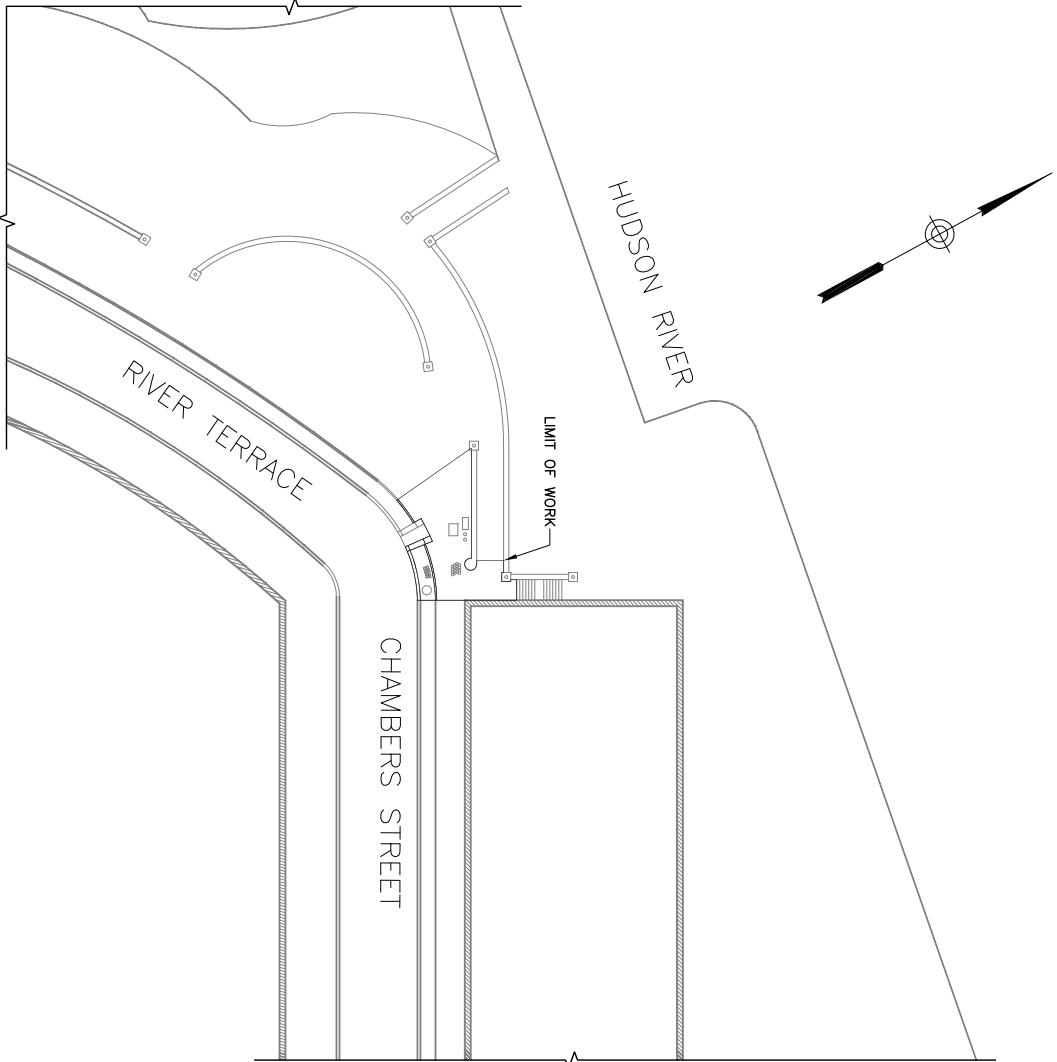
ESTIMATE OF QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
1254/10-04	REMOVE AND DISPOSE EXISTING CONCRET SIDE WALK, 4½" INCH THICK	SQ. FT.	6.00
1254/10-05	REMOVE AND DISPOSE EXISTING CONCRETE UNDERLAYMENT, 5 INCH THICK, IN ASPHALT PAVERS SIDEWALK AREA	SQ. FT.	745.00
1254/10-06	REMOVE, REFURBISH AND STORE EXISTING ASPHALT PAVERS, 2 ½ INCH THICK	SQ. FT.	745.00
1254/10-07	REMOVE, REFURBISH AND STORE BELGIUM BLOCK PAVERS	SQ. FT.	116.00
1254/10-08	REMOVE DAMAGED GRANITE CURB SECTION	LINEAR FEET	15.00

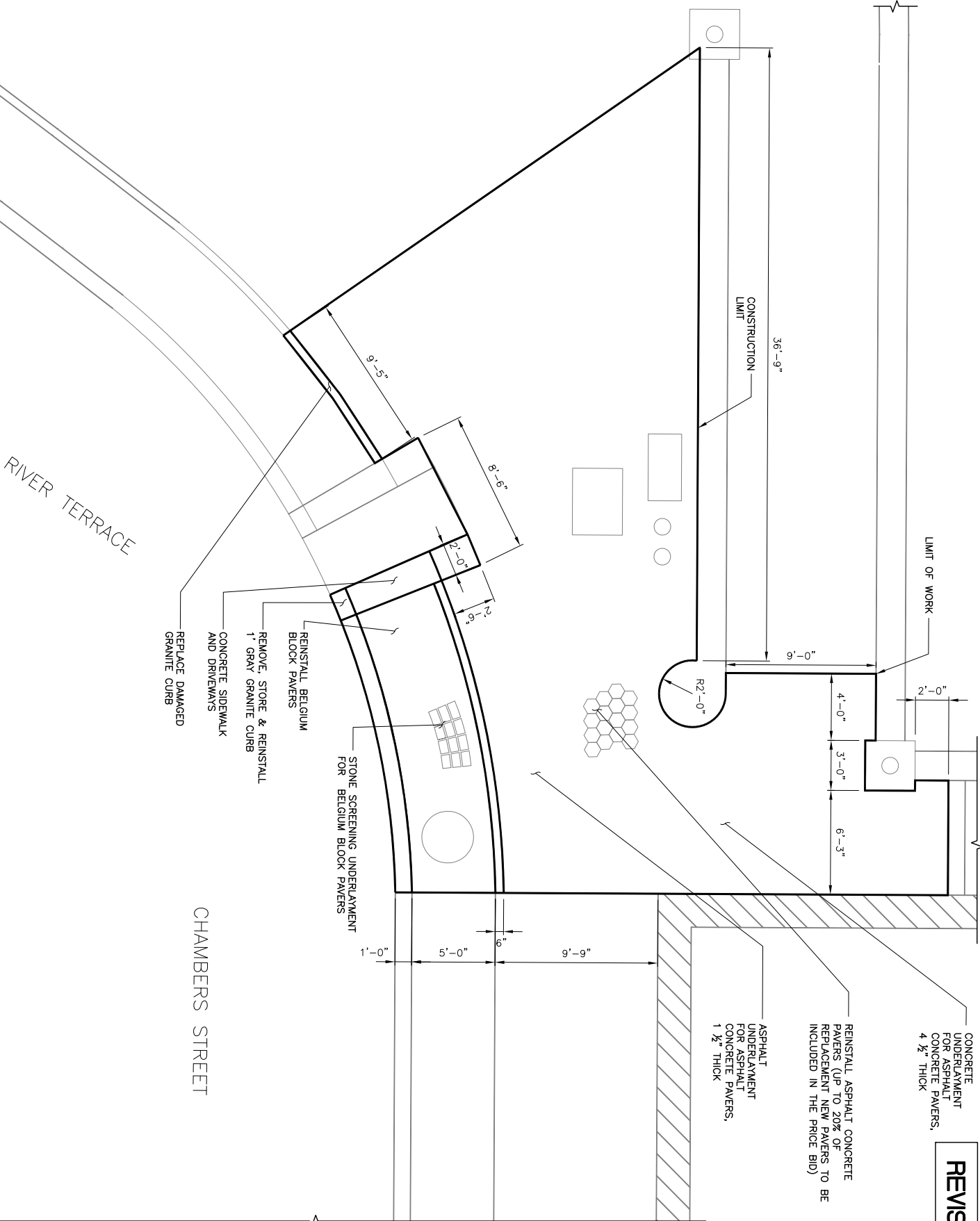
DEMOLITION PLAN



DESIGNED BY:	DRAWN BY:	CHECKED BY:	BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10	
DIEGO ALAIMO PROFESSIONAL ENGINEER N.Y. LICENSE NO. 053085-1		REVISIONS	CITY OF NEW YORK, BOROUGH OF MANHATTAN KSE KS ENGINEERS, P.C. Engineers • Surveyors • Construction Managers 65 Broadway, Suite 401, New York, N.Y. 10006 Phone: (212) 616-2657, Fax: (212) 616-3060	
		SCALE: AS SHOWN		
DATE: 04/22/2013		PROJECT NO.: 1254-10	SHEET NO.: C-11/R1	



ESTIMATE OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
1254/10-14	CONCRETE UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 4 1/2 INCH THICK	SQ. FT.	745.00
1254/10-15	ASPHALT UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 1 1/2 INCH THICK	SQ. FT.	745.00
1254/10-16	REINSTALL ASPHALT CONCRETE PAVERS (UP TO 20% OF REPLACEMENT NEW PAVERS TO BE INCLUDED IN THE PRICE BID)	SQ. FT.	745.00
1254/10-17	STONE SCREENINGS UNDERLAYMENT FOR BELGIUM BLOCK PAVERS	CU. YARD	3.00
1254/10-18	REINSTALL BELGIUM BLOCK PAVERS	SQ. FT.	116.00
1254/10-19	REPLACE DAMAGED GRANITE CURB SECTION	LINEAR FEET	15.00
1254/10-27	CONCRETE SIDEWALKS AND DRIVEWAYS	SQ. FT.	6.00



REVISED



DESIGNED BY:	DRAWN BY:	CHECKED BY:	BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10	
DIEGO ALAIMO PROFESSIONAL ENGINEER N.Y. LICENSE NO. 053085-1		REVISIONS	CHAMBERS STREET LOCATION # 3 CONSTRUCTION PLAN CITY OF NEW YORK, BOROUGH OF MANHATTAN	
SCALE: AS SHOWN			KSE KS ENGINEERS, P.C.	
DATE: 04/22/2013			Engineers • Surveyors • Construction Managers 65 Broadway, Suite 401, New York, N.Y., 10006 Phone: (212) 616-2657, Fax: (212) 616-3060	
PROJECT NO.: 1254-10				
			SHEET NO.: C-12/R1	