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DESIGNED BY:		DRAWN BY:	CHECKED BY:	BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10
			REVISIONS	SECOND PLACE, BELVEDERE AND CHAMBERS STREET COVER SHEET
				CITY OF NEW YORK, BOROUGH OF MANHATTAN
DIEGO ALAIMO		KSE KS ENGINEERS, P.C.		
PROFESSIONAL ENGINEER N.Y. LICENSE NO. 063085-1		Engineers • Surveyors • Construction Managers 65 Broadway, Suite 401 New York, N.Y. 10006 Phone: (212) 616-2687, Fax: (212) 616-3060		
SCALE: AS SHOWN	DATE: 04/22/2013	PROJECT NO.: 1254-10	SHEET NO.: C-01	

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.	505.00
1254/10-06	REMOVE, REFURBISH AND STORE EXISTING ASPHALT PAVERS, 2 ½ INCH THICK	SQ. FT.	505.00
1254/10-07	REMOVE, REFURBISH AND STORE BELGIUM BLOCK PAVERS	SQ. FT.	116.00
1254/10-08	REMOVE DAMAGED GRANITE CURB SECTION	LINEAR FEET	5.00
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.	505.00
1254/10-15	ASPHALT UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 1 ½ INCH THICK	SQ. FT.	505.00
1254/10-16	REINSTALL ASPHALT CONCRETE PAVERS (UP TO 20% OF REPLACEMENT NEW PAVERS TO BE INCLUDED IN THE PRICE BID)	SQ. FT.	505.00
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	5.00
1254/10-27	CONCRETE SIDEWALKS AND DRIVEWAYS	SQ. FT.	6.00

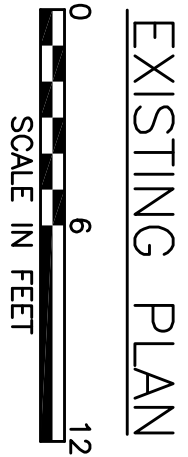
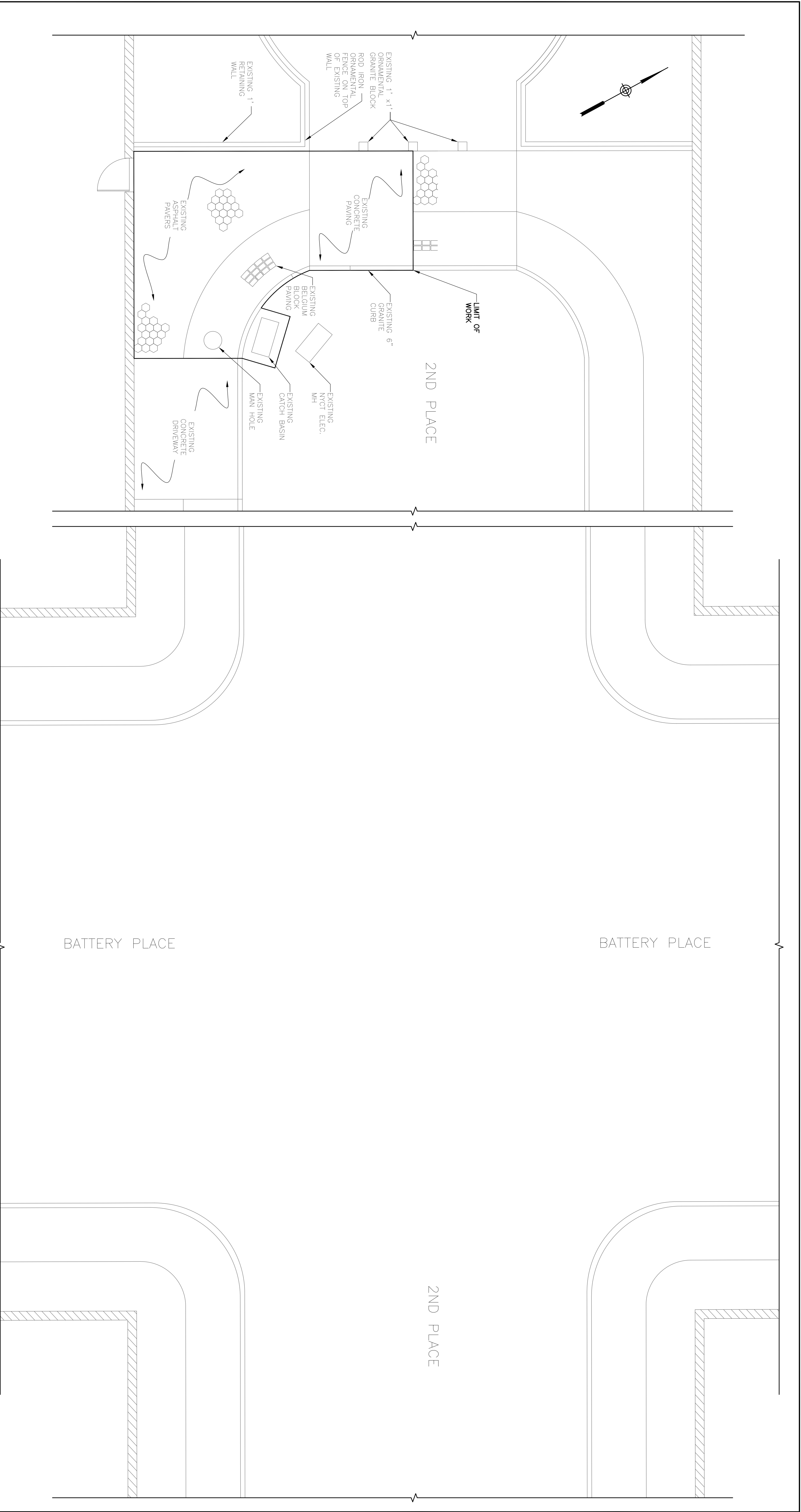
NOTES:

- 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.

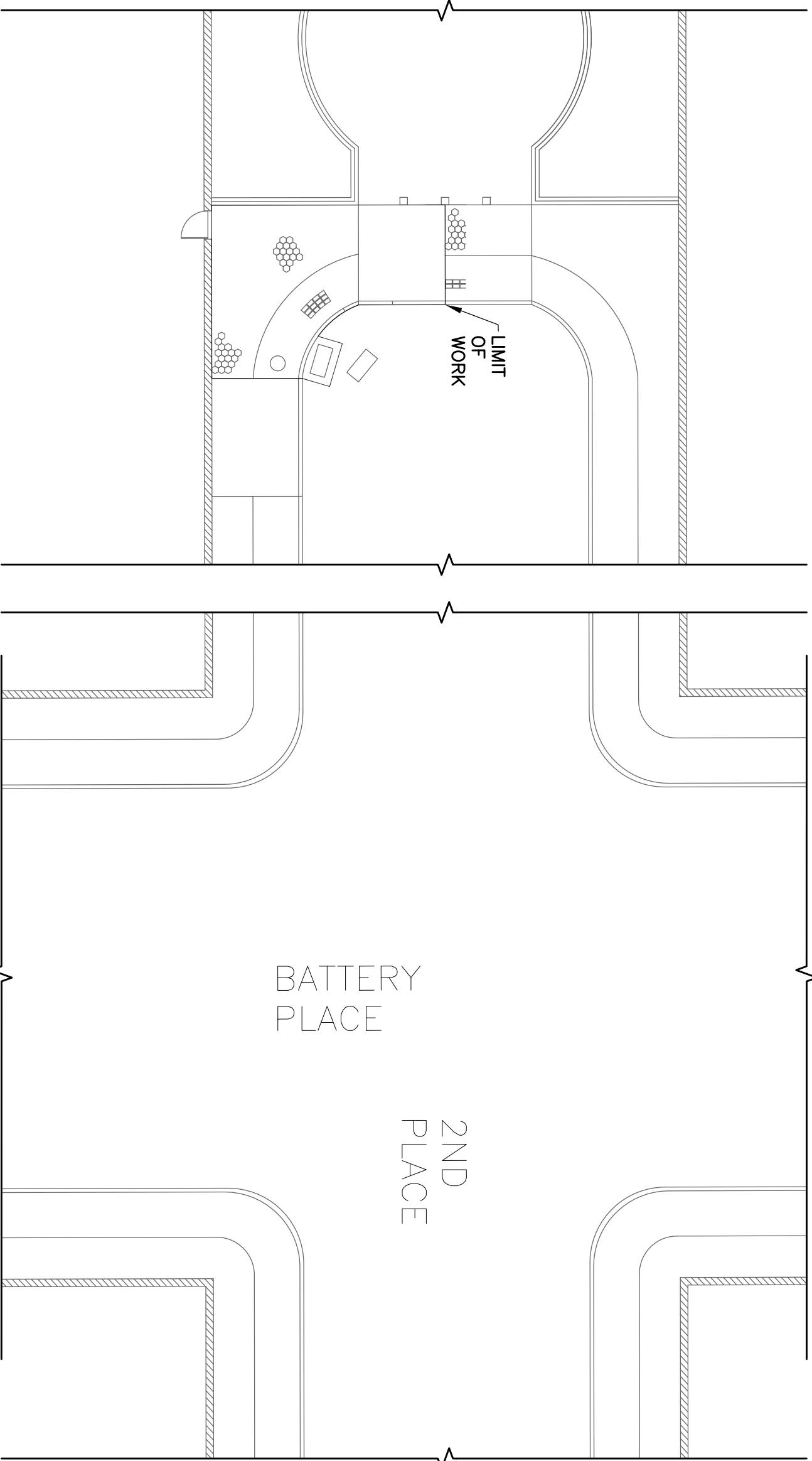
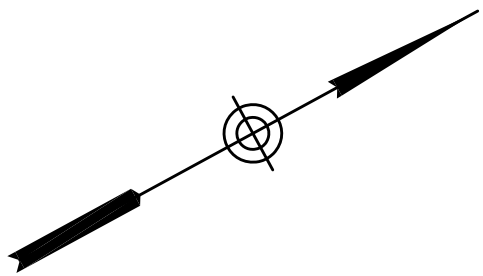
A	LABOR COST	UNIT
1.	LABOR FOREMEN (1 FOREMEN x 4 DAYS x 8 HR)	PER HR
2.	LABOR (1 LABORERS x 4 DAYS x 8 HR)	PER HR
3.	OPERATING ENGINEER (1 OPERATOR x 4 DAYS x 8 HR)	PER HR
4.	MASON	PER HR
5.	TEAMSTER	PER HR
C	EQUIPMENT COST	UNIT
1.	UTILITY/COMPRESSOR TRUCK WITH SMALL TOOLS INCLUDING OPERATING COST	PER 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 REIMBURSED 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	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
		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	



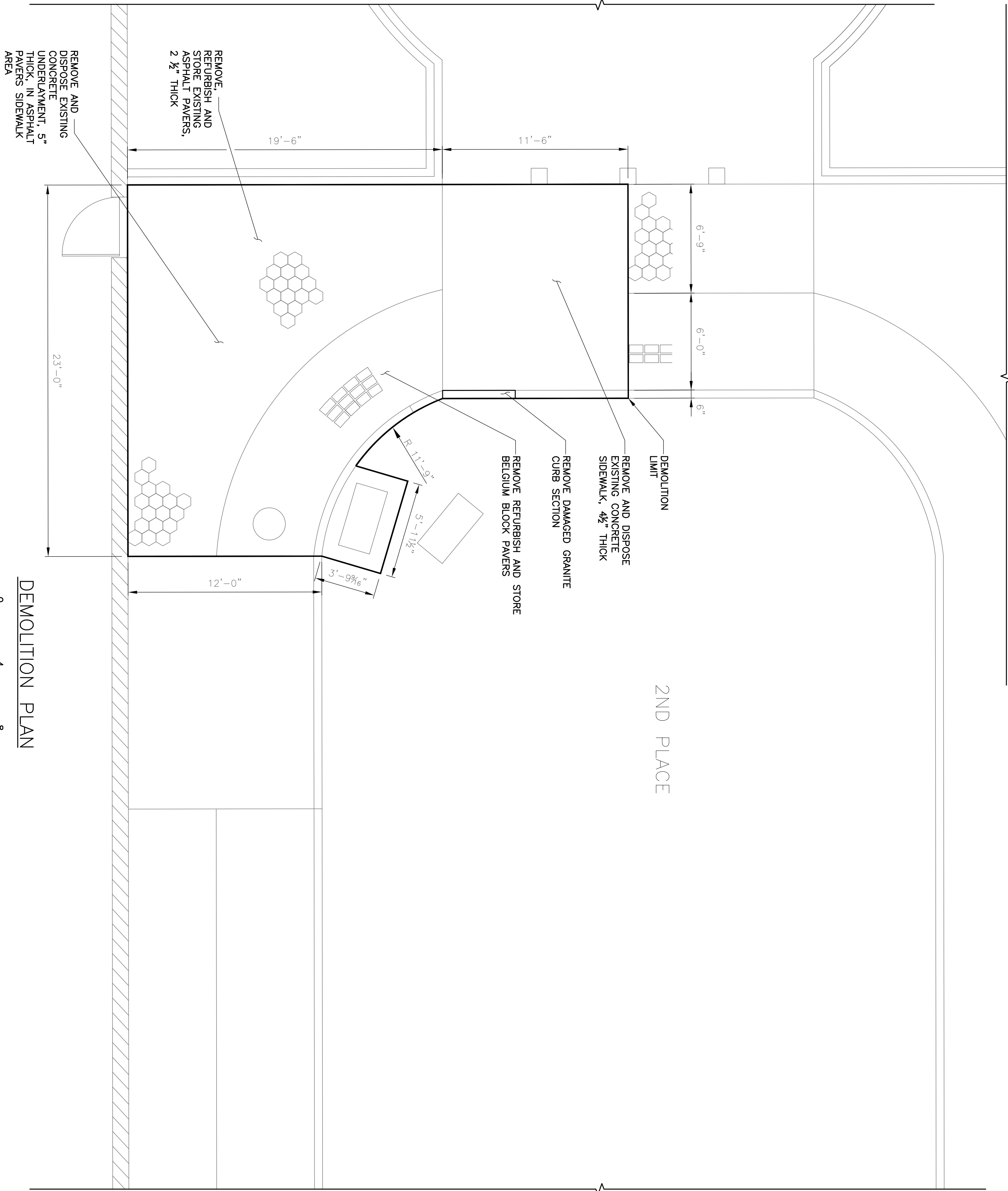
DESIGNED BY:		DRAWN BY:		CHECKED BY:		BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10									
<div>DIEGO ALAIMO</div> <div>PROFESSIONAL ENGINEER</div> <div>N.Y. LICENSE NO. 053085-1</div>						REVISIONS		<div>SECOND PLACE</div> <div>LOCATION # 1</div> <div>EXISTING PLAN</div> <div>CITY OF NEW YORK,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



KEY PLAN

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SCALE IN FEET



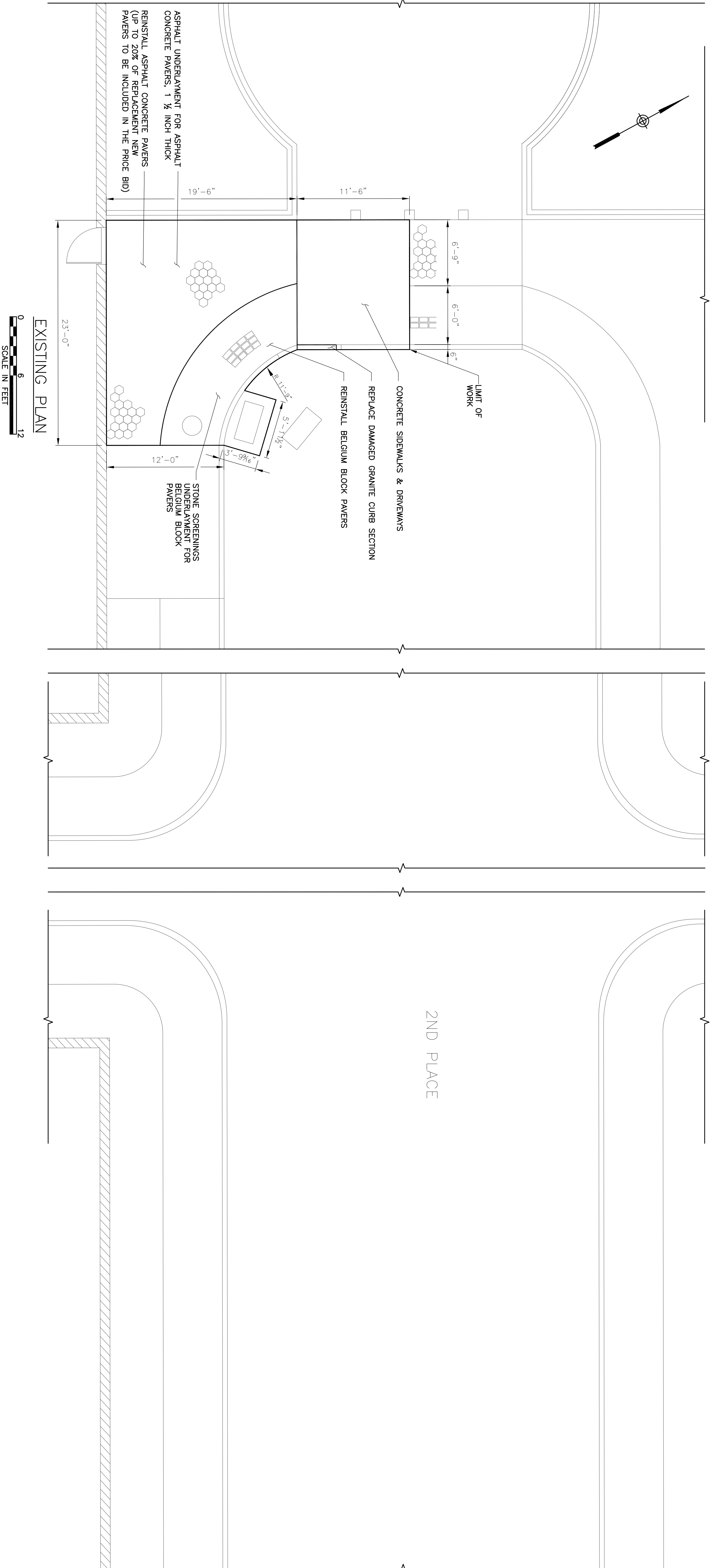
DEMOLITION PLAN

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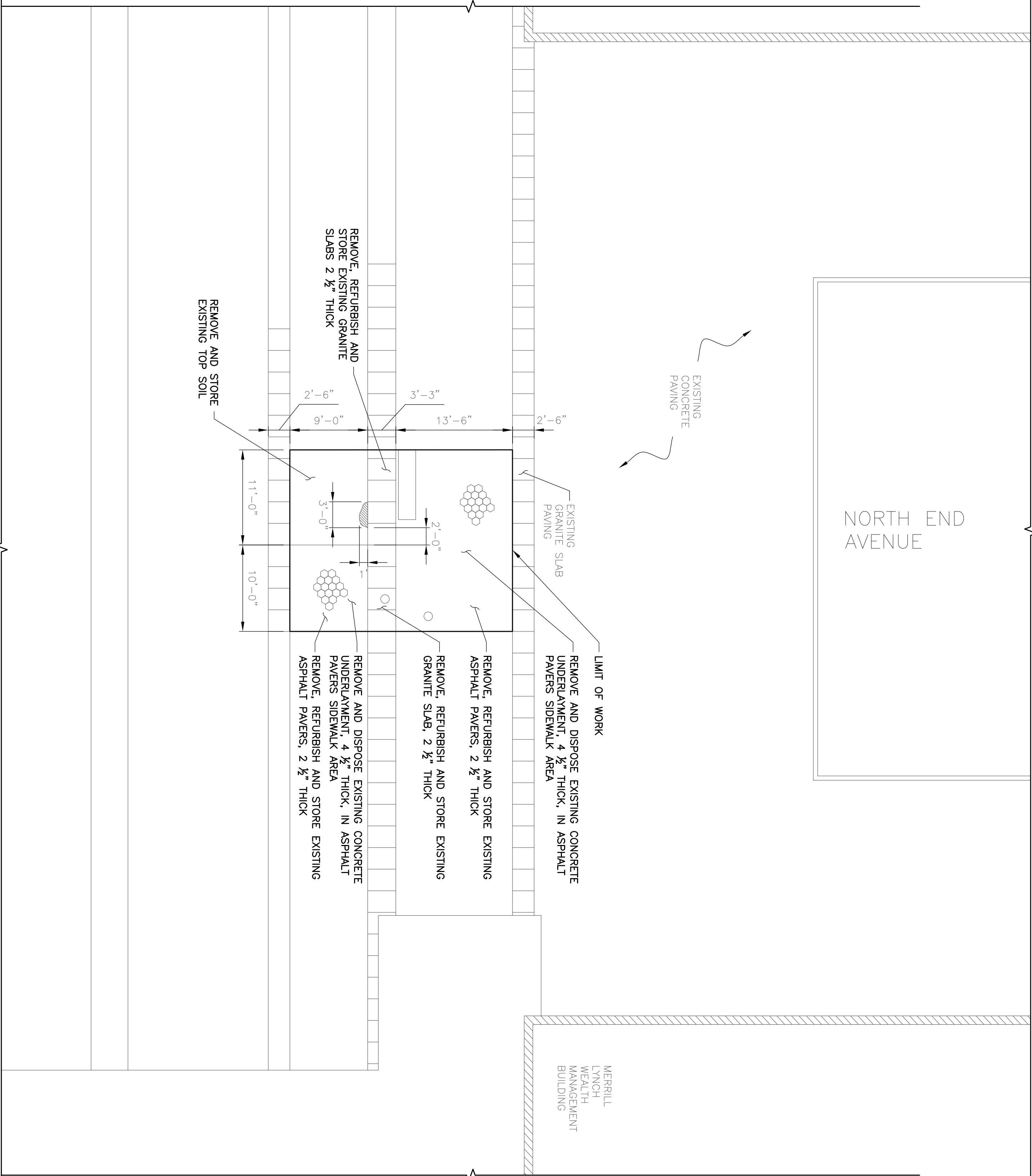
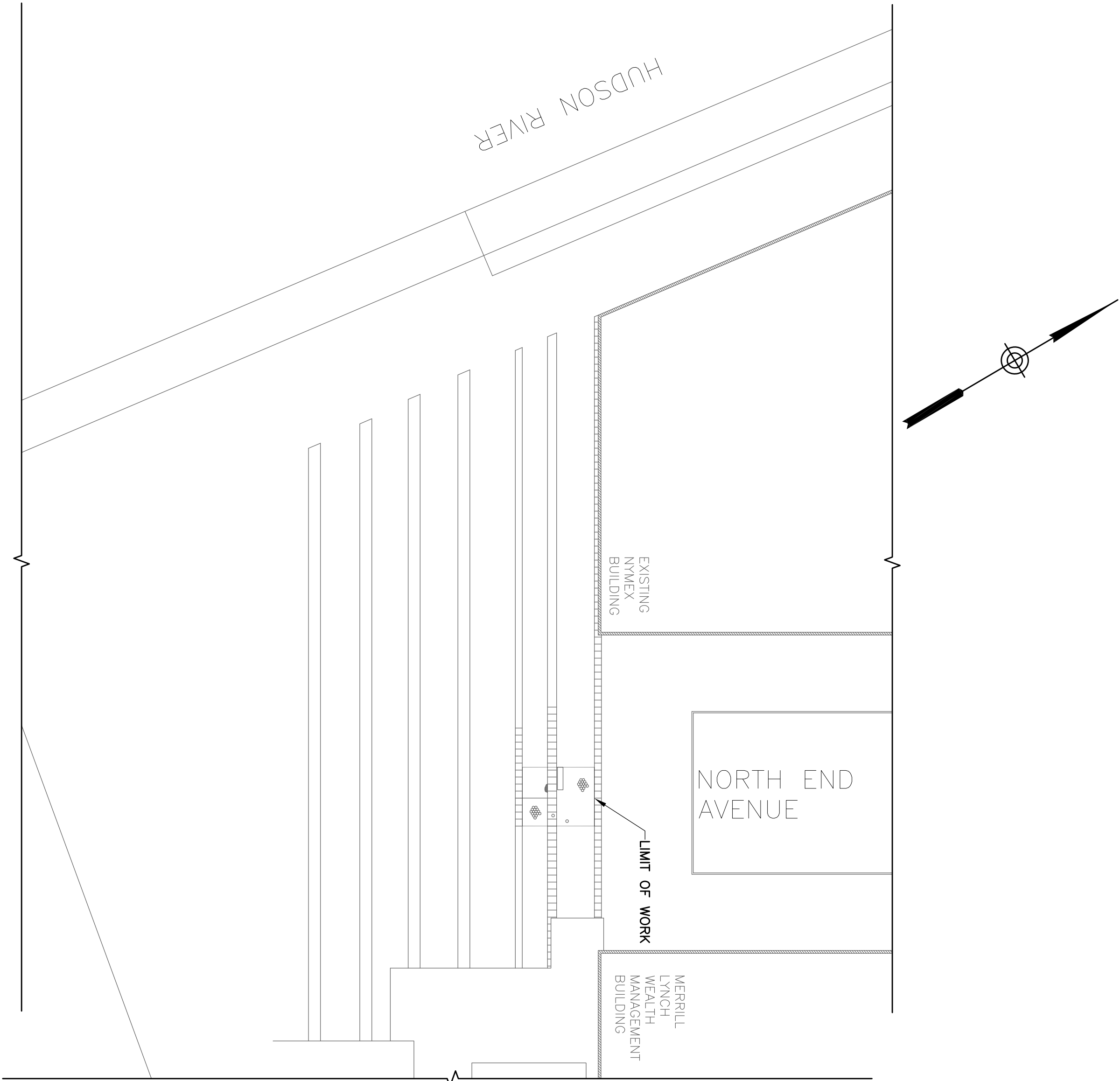
ESTIMATE OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
1254/10-04	REMOVE AND DISPOSE EXISTING CONCRET SIDE WALK, 4½" INCH THICK	SQ. FT.	155.00
1254/10-05	REMOVE AND DISPOSE EXISTING CONCRETE UNDERLAYMENT, 5 INCH THICK, IN ASPHALT PAVERS SIDEWALK AREA	SQ. FT.	206.00
1254/10-06	REMOVE, REFURBISH AND STORE EXISTING ASPHALT PAVERS, 2 ½" THICK	SQ. FT.	206.00
1254/10-07	REMOVE, REFURBISH AND STORE BELGIUM BLOCK PAVERS	SQ. FT.	156.00
1254/10-08	REMOVE DAMAGED GRANITE CURB SECTION	LINEAR FEET	6.00

DESIGNED BY:	DRAWN BY:	CHECKED BY:	BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10	
			REVISIONS	
DIEGO ALAIMO PROFESSIONAL ENGINEER N.Y. LICENSE NO. 053085-1			SCALE:	AS SHOWN
			DATE:	04/22/2013
CITY OF NEW YORK, BOROUGH OF MANHATTAN			PROJECT NO.:	1254-10
			SHEET NO.:	C-05
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	



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.	206.00
1254/10-15	ASPHALT UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 1 1/2 INCH THICK	SQ. FT.	206.00
1254/10-16	REINSTALL ASPHALT CONCRETE PAVERS (UP TO 20% OF REPLACEMENT NEW PAVERS TO BE INCLUDED IN THE PRICE BID)	SQ. FT.	206.00
1254/10-17	STONE SCREENINGS UNDERLAYMENT FOR BELGIUM BLOCK PAVERS	CU. YARD	2.00
1254/10-18	REINSTALL BELGIUM BLOCK PAVERS	SQ. FT.	0.00
1254/10-19	REPLACE DAMAGED GRANITE CURB SECTION	LINEAR FEET	6.00
1254/10-27	CONCRETE SIDEWALKS AND DRIVEWAYS	SQ. FT.	318.00

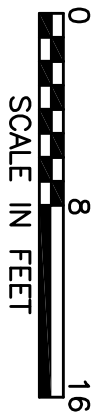
DESIGNED BY:	DRAWN BY:	CHECKED BY:	BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10
<div>DIEGO ALAIMO</div> <div>PROFESSIONAL ENGINEER N.Y. LICENSE NO. 053085-1</div>		REVISIONS	SECOND PLACE LOCATION # 1 CONSTRUCTION PLAN CITY OF NEW YORK, BOROUGH OF MANHATTAN
SCALE: AS SHOWN		DATE: 04/22/2013	PROJECT NO.: 1254-10
<div>KSE</div> <div>KS ENGINEERS, P.C.</div>		Engineers • Surveyors • Construction Managers 65 Broadway, Suite 401, New York, N.Y. 10006 Phone: (212) 616-2657, Fax: (212) 616-3060	
		SHEET NO.:	C-06



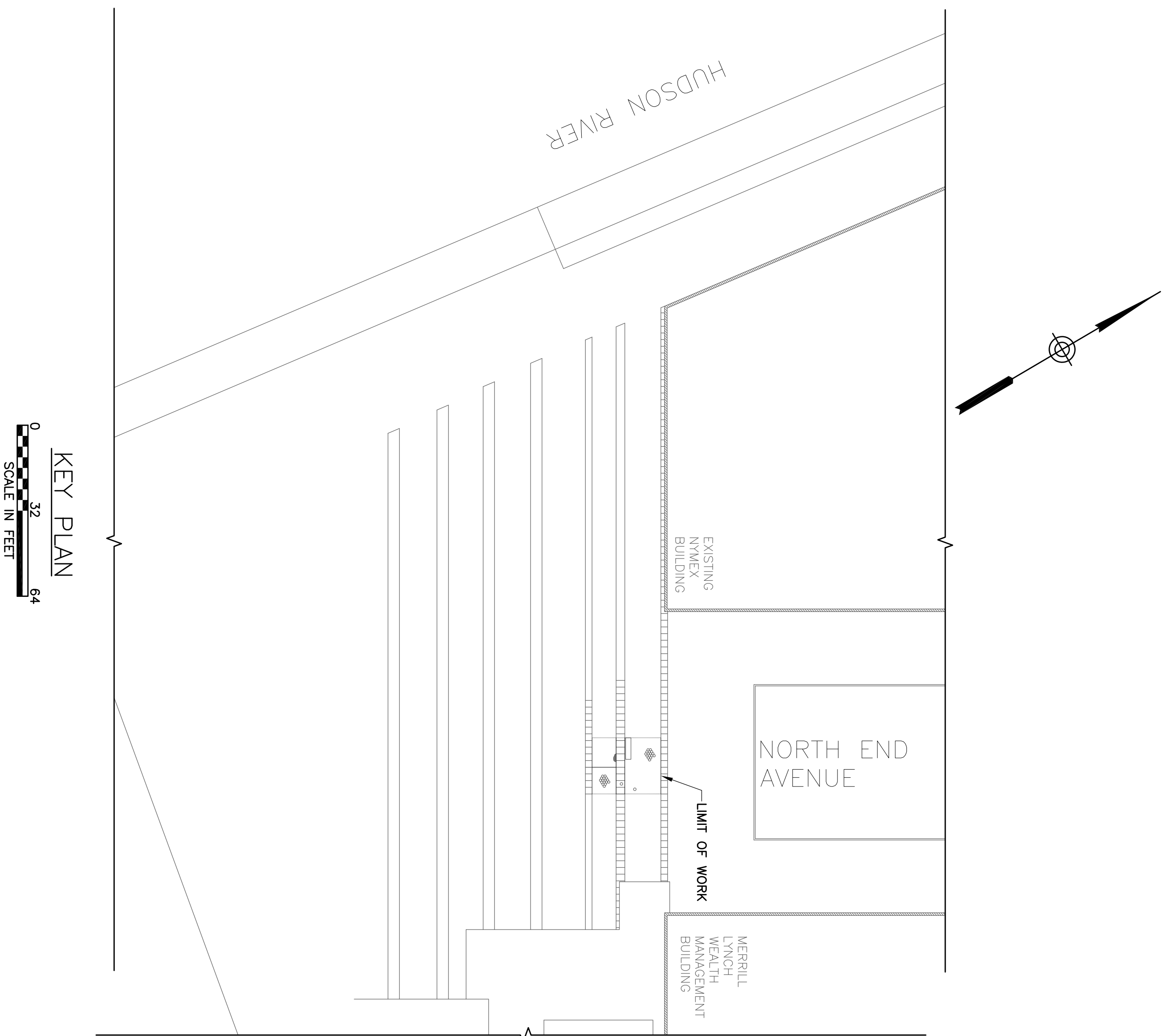
ESTIMATE OF QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
1254/10-05	REMOVE AND DISPOSE EXISTING CONCRETE UNDERLAYMENT, 4 1/2" INCH THICK, IN ASPHALT PAVERS SIDEWALK AREA	SQ. FT.	392.00
1254/10-06	REMOVE, REFURBISH AND STORE EXISTING ASPHALT PAVERS, 2 1/2" INCH THICK	SQ. FT.	392.00
1254/10-20	REMOVE AND STORE EXISTING TOP SOIL	SQ. FT.	180.00
1254/10-22	REMOVE, REFURBISH AND STORE EXISTING GRANT SLABS 2 1/2" INCH THICK	SQ. FT.	126.00
1254/10-25	REMOVE, REFURBISH AND STORE EXISTING GRANITE CURB	LINEAR FEET	22.00

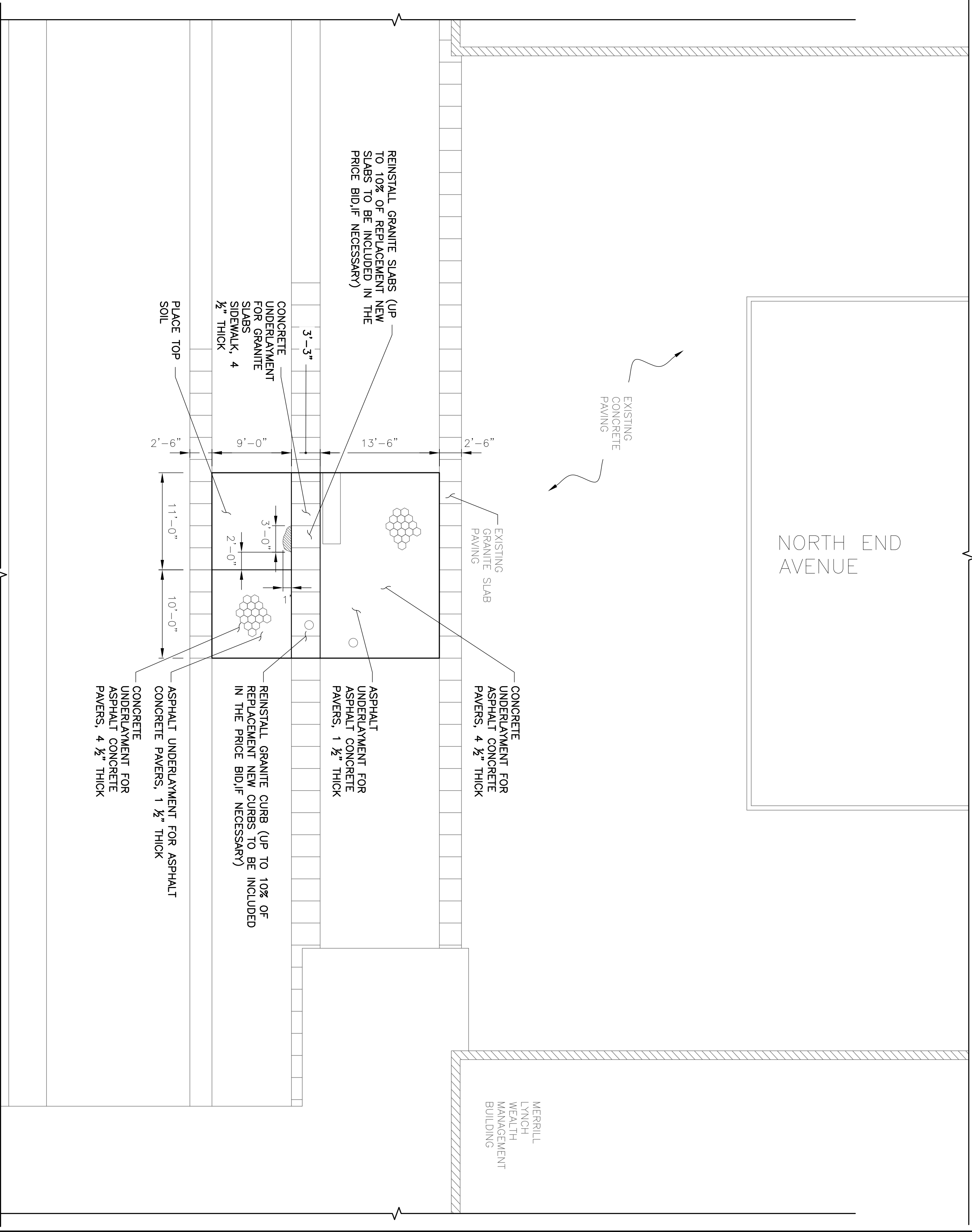
DEMOLITION PLAN

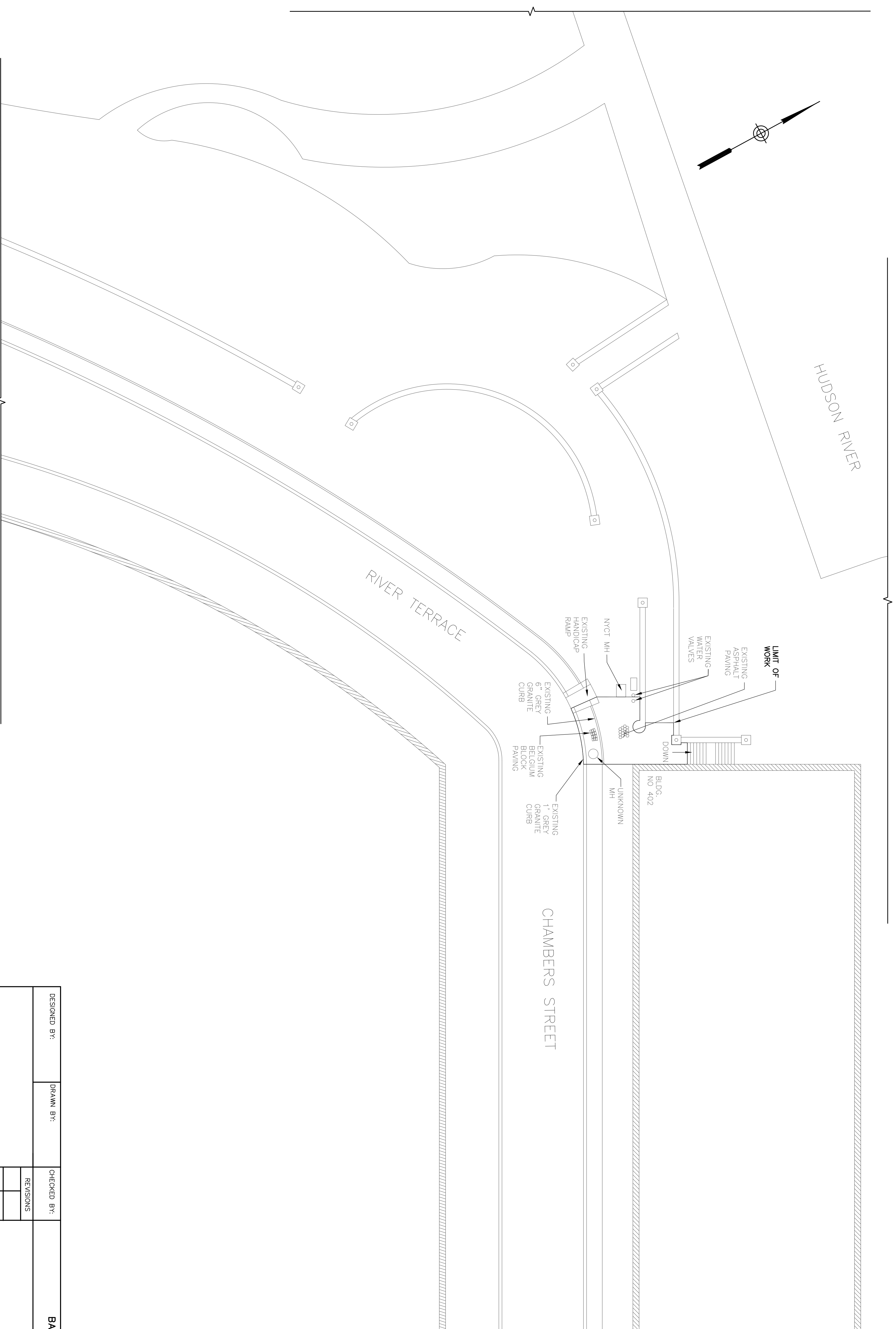


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<div>DIEGO ALAIMO</div> <div>PROFESSIONAL ENGINEER N.Y. LICENSE NO. 053085-1</div>		REVISIONS	<div>CITY OF NEW YORK, BOROUGH OF MANHATTAN</div> <div>KSE KS ENGINEERS, P.C.</div> <div>Engineers • Surveyors • Construction Managers 65 Broadway, Suite 401, New York, N.Y. 10006 Phone: (212) 616-2657, Fax: (212) 616-3060</div>
SCALE:	AS SHOWN	DATE:	PROJECT NO.:
		04/22/2013	1254-10
			SHEET NO.:
			C-08

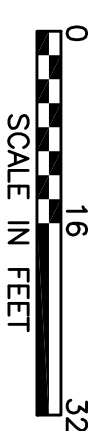


ESTIMATE OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
1254/10--14	CONCRETE UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 4 1/2 INCH THICK	SQ. FT.	392.00
1254/10--15	ASPHALT UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 1 1/2 INCH THICK	SQ. FT.	392.00
1254/10--16	REINSTALL ASPHALT CONCRETE PAVERS (UP TO 20% OF REPLACEMENT NEW PAVERS TO BE INCLUDED IN THE PRICE BID)	SQ. FT.	392.00
1254/10--21	PLACE TOP SOIL	SQ. FT.	180.00
1254/10--23	REINSTALL GRANIT SLABS (UP TO 10% OF REPLACEMENT NEW SLABS TO BE INCLUDED IN THE PRICE BID, IF NECESSARY)	SQ. FT.	126.00
1254/10--24	CONCRETE UNDERLAYMENT FOR GRANITE SLABS SIDEWALK, 4 1/2 INCH THICK	SQ. FT.	126.00
1254/10--26	REINSTALL GRANITE CURB (UP TO 10% OF REPLACEMENT NEW CURBS TO BE INCLUDED IN THE PRICE BID, IF NECESSARY)	LINEAR FEET	22.00

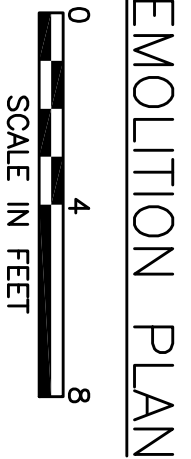
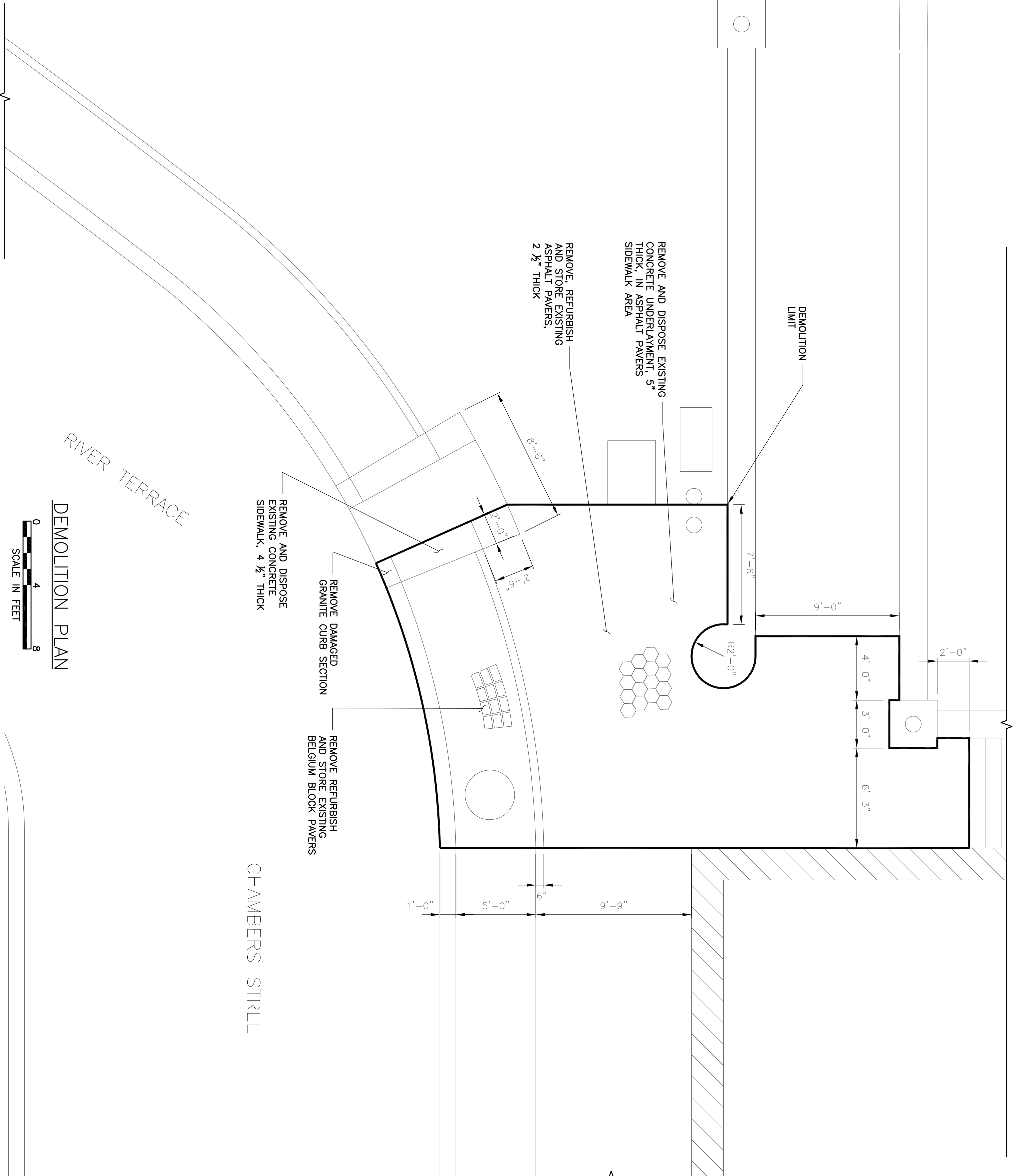
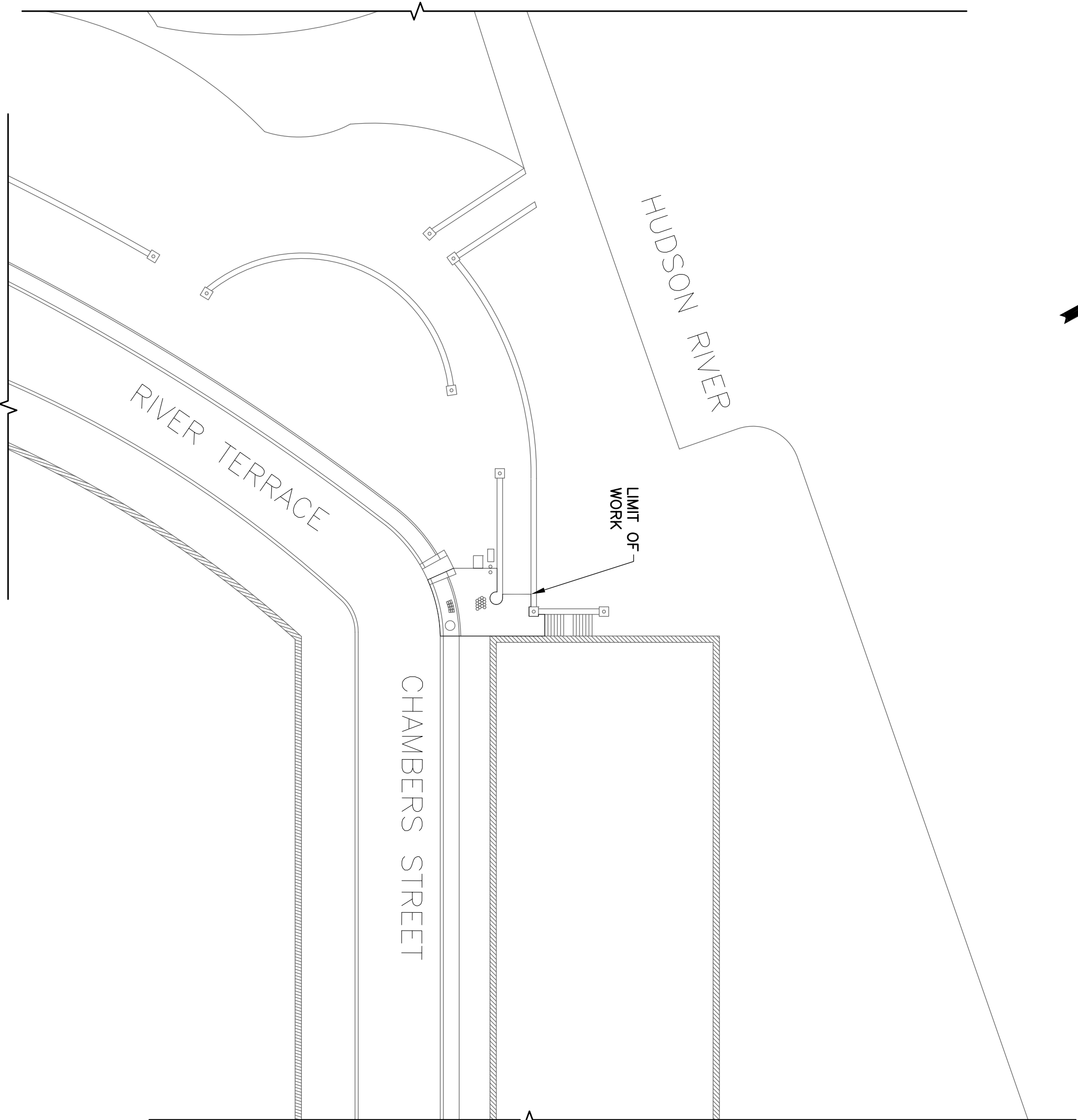
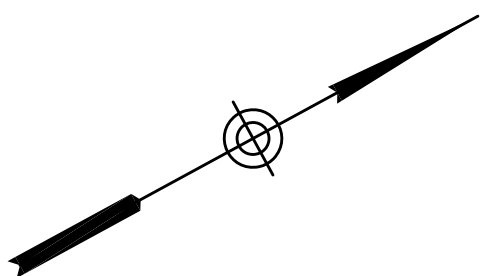




EXISTING PLAN



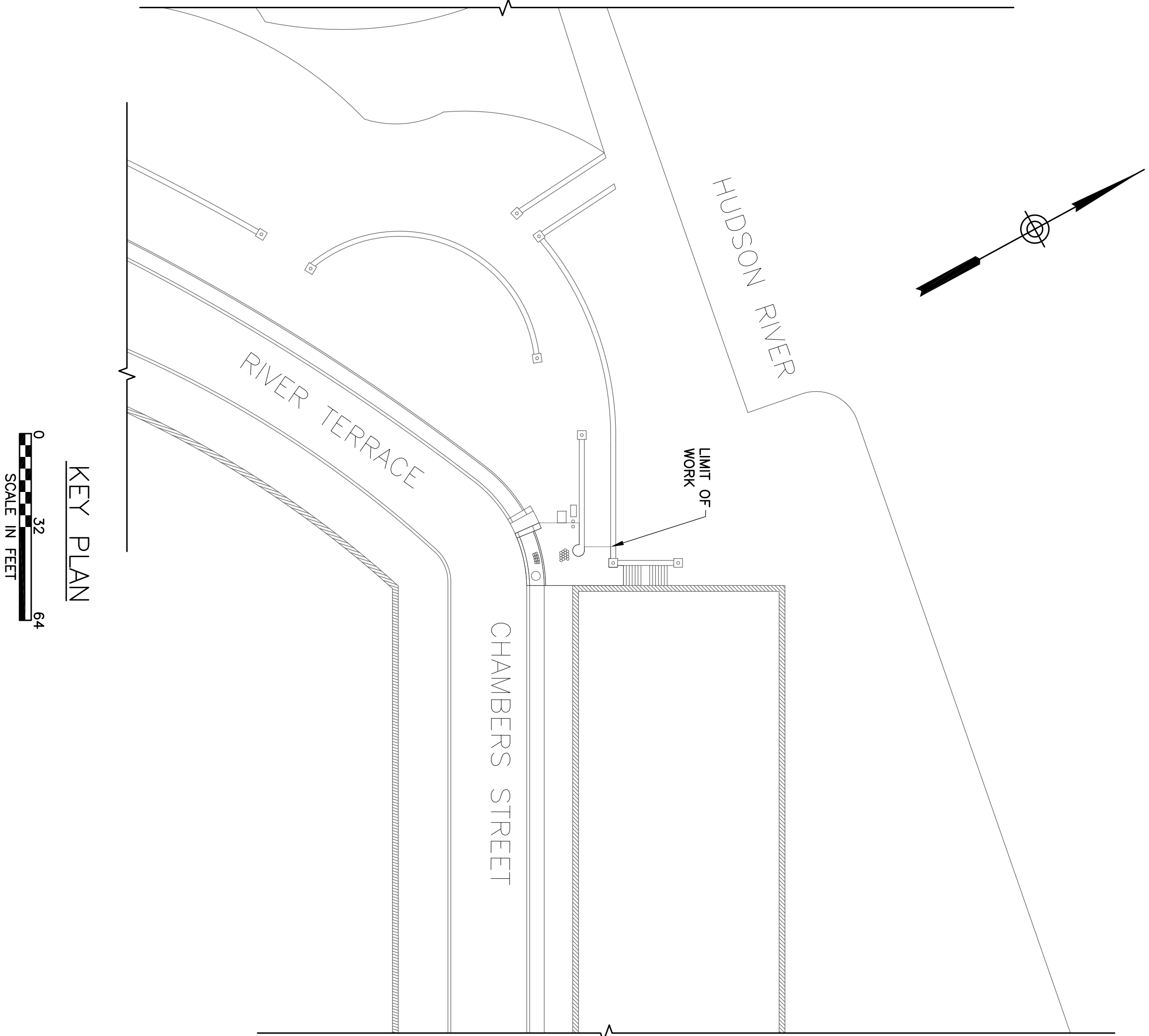
DESIGNED BY:		DRAWN BY:		CHECKED BY:		BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10					
				REVISIONS		CHAMBERS STREET LOCATION # 3 EXISTING PLAN CITY OF NEW YORK, BOROUGH OF MANHATTAN					
DIEGO ALAIMO PROFESSIONAL ENGINEER N.Y. LICENSE NO. 0630085-1				SCALE:		DATE:		PROJECT NO.:		SHEET NO.:	
				AS SHOWN		04/22/2013		1254-10		C-10	
				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					



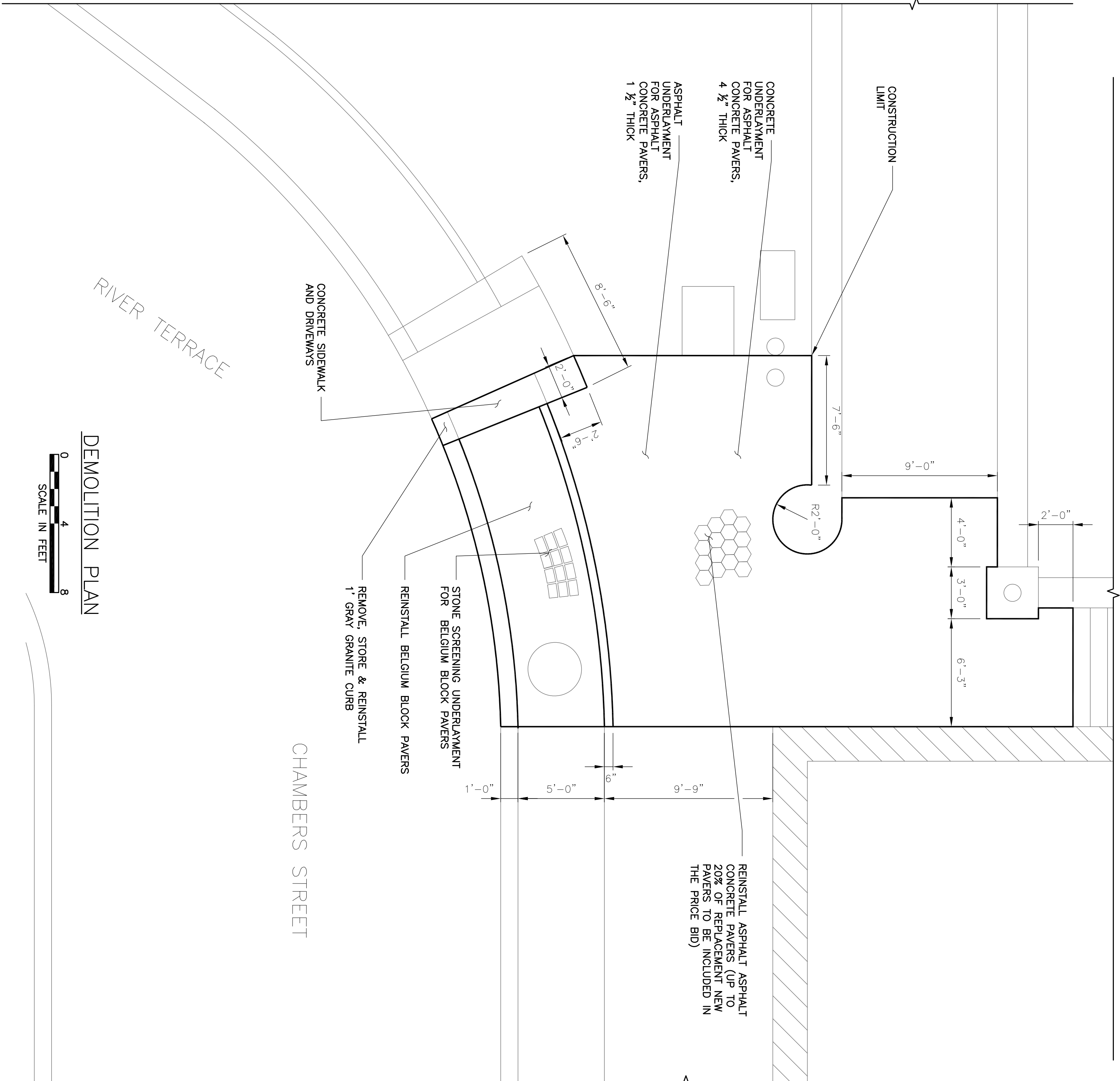
ESTIMATE OF QUANTITIES

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.	505.00
1254/10-06	REMOVE, REFURBISH AND STORE EXISTING ASPHALT PAVERS, 2 ½ INCH THICK	SQ. FT.	505.00
1254/10-07	REMOVE, REFURBISH AND STORE BELGIUM BLOCK PAVERS	SQ. FT.	116.00
1254/10-08	REMOVE DAMAGED GRANITE CURB SECTION	LINEAR FEET	5.00

DESIGNED BY:	DRAWN BY:	CHECKED BY:	BATTERY PARK CITY AUTHORITY CONTRACT 12-2095/10	
REVISIONS			CHAMBERS STREET LOCATION # 3	
			DEMOLITION PLAN	
CITY OF NEW YORK,			BOROUGH OF MANHATTAN	
DIEGO ALAIMO PROFESSIONAL ENGINEER N.Y. LICENSE NO. 053085-1			SCALE: AS SHOWN	DATE: 04/22/2013
KSE KS ENGINEERS, P.C.			PROJECT NO.:	SHEET NO.:
			1254-10	C-11
Engineers • Surveyors • Construction Managers 65 Broadway, Suite 401, New York, N.Y. 10006 Phone: (212) 616-2657, Fax: (212) 616-3060				



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.	505.00
1254/10-15	ASPHALT UNDERLAYMENT FOR ASPHALT CONCRETE PAVERS, 1 1/2 INCH THICK	SQ. FT.	505.00
1254/10-16	REINSTALL ASPHALT CONCRETE PAVERS (UP TO 20% OF REPLACEMENT NEW PAVERS TO BE INCLUDED IN THE PRICE BID)	SQ. FT.	505.00
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	5.00
1254/10-27	CONCRETE SIDEWALKS AND DRIVEWAYS	SQ. FT.	6.00



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 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:		PROJECT NO.:		SHEET NO.:	
				04/22/2013		1254-10		C-12	