

Report of Findings



City of New York

East Side Coastal Resiliency Elevated Park Alternative Feasibility Analysis

April 24-26, 2018



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Prepared for:

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SECTION 1

SUMMARY OF FINDINGS



SECTION 1 SUMMARY OF FINDINGS

On April 24-26, 2018, a collaborative effort among East Side Coastal Resiliency project stakeholders ORR, DPR, DOT, DEP, OMB, DDC, and Law convened along with the AKRF/KSE Joint Venture and members of the value engineering team. The purpose of the working group was to review the feasibility of the alternative to elevate East River Park in lieu of the baseline approach of building a floodwall along the FDR, and to facilitate a more-detailed comparison between the two schemes. This Narrative will summarize the results of that effort.

Following the Narrative are concept plan sketches for the Park, and select sections of the elevated bulkhead and the grading.

Flood Protection

The proposed alternative elevates and protects much of East River Park, which is made possible by significant changes to three key project constraints: reconstructing the esplanade, installing a floodwall inshore of the esplanade, and reconstructing portions of the Park previously required to remain as existing. A structural flood protection intervention is required along the eastern edge in order to maintain Park program and accessibility – including both universal access for pedestrians and vehicular access for maintenance and emergencies. The western edge of the park is raised adjacent to the shared use path and would remain elevated to the flood protection structure inshore of the esplanade. The Park would meet existing grades and the flood protection would tie into the baseline alignment at the northern and southern limits of the Park. At the northern limit, a new swing gate will probably be required for this transition, while at the southern limit there would be an earthen berm with a clay core and sheet pile wall to transition to the area near the amphitheater site.

The flood protection would be achieved by driving a new steel sheet pile floodwall adjacent to, and inshore of, the existing esplanade structure (minimum of approximately 40 feet from east edge of the esplanade). In addition to providing flood protection, this wall would serve as a retaining structure for the park grading and would act as a seepage barrier. The floodwall may protrude above grade in some locations (exposed height varies). This wall would be integrated into Park landscaping features.

Access

The shared use path is to remain at grade at its existing alignment in order to leave the Con Edison lines in place. With this alternative, design energy would have to be focused on the shared use path experience to ensure that this highly-used bicycle and pedestrian facility is a positive experience. The Delancey Street and East 10th Street Bridges would be replaced as proposed in the baseline design, though the span would be extended an additional 45 feet to span the at-grade shared use path and land in the elevated park area. New 45-foot span structures would also be



introduced at the Houston Street overpass to cross the at-grade shared use path and at the Cherry Street Bridge if the amphitheater is to be reconstructed. Maintenance vehicles will be able to travel on the reconstructed esplanade as well as the shared use path. Vehicular access across the park and connecting these two paths will be provided by a series of sloped paths between ball fields and program areas similar to the baseline proposal.

Constraints

Active participation from the various City stakeholders enabled the group to challenge and obtain concurrence to modify certain baseline constraints. The following constraints were changed:

- The Esplanade was allowed to be modified
- The piers under the Williamsburg Bridge may be buried with fill as necessary
- The 6th Street Track & Field Facility may be demolished and reconstructed
- The Tennis House may be demolished and reconstructed
- The LESEC Composting Facility may be re-designed and constructed after ESCR
- The Con Edison lines will be left in place with no tunnel constructed, which requires the shared use path to be left at grade and in the current alignment.

The following constraints were maintained:

- The East River Park program will be the same as in the baseline alternative
- The Flood protection design criteria remains unchanged – el. 16.5' design height
- The Flood protection vegetation offset is required at a distance of 15' clear from trees/woody vegetation on either side of floodwall
- The Pier 42 project is assumed to remain in place and will be constructed before ESCR, which requires a floodwall along the FDR Drive-side of the Pier 42 project
- The project will tie into the existing grades at the north end of East River Park

Adjustments to Buildings

To be replaced as part of Alternative:

- Tennis house – 1250 SF. Function: houses tennis manager (required for permitted access to tennis courts) and restrooms.
- Track Facility – 4400 SF. Function: East River Park maintenance operations headquarters, storage, and restrooms.



Grading

In general, the low point of the park will be the shared use path along the FDR Drive. Moving west to east, the park elevation would then be raised with two 3-foot retaining walls to a varying height, typically ranging between el. 14.5' to 18.5'. The park remains raised across its width, meeting the flood protection elevation of 16.5' inshore of the esplanade. The esplanade grade will vary between 14.5' and 16.5' along its length. See attached sketches for plan and section views of the proposed design.

Proposed Refinements to the Bulkhead and Esplanade

Proposed Sheetpile Flood Protection Wall

The Elevated Park would raise the grade of the Park from about El. 8.5 to about El.16.5. Consequently, the Elevated Park adjustments include a steel sheetpile wall to retain the new fill. The sheetpile wall would actually serve three functions:

- Retains the new fill
- Provides a deep seepage cutoff wall
- Provides flood and wave protection

The sheet pile wall would be below grade and as such, it is not subject to corrosion from wave action during flood events.

At this time, it is not clear whether the function of a deep seepage cutoff is actually needed. Additional geotechnical analyses should be conducted to determine if there is truly a risk of seepage during the design flood event. Considering the width of the park (of 200 to 400 feet) the risk of seepage seems quite small.

For preliminary cost estimating purposes, the proposed steel sheetpile wall would have tip elevations of about El.-35 to El.-40 feet. Its length is about 6,000 lineal feet. The sheet size is AZ-36, although a smaller size can probably be used subject to further design. The sheetpile can be designed as a cantilever structure.

The existing esplanade consists of two structure types. The outboard structure is a concrete deck supported on steel pipe piles. The outboard structure is reportedly 10 to 12 years old. The inboard structure is an older, timber-pile relieving platform. This inboard structure is scheduled for rehabilitation to repair voids and encase the piles in concrete.

The outboard structure was designed for a live load of 300 psf and a vehicular load of HS-20 which would allow access by various maintenance trucks and emergency vehicles. It is recommended that the new elevated outboard esplanade be designed to carry similar loads as the original.

Partial Structural Reconstruction of Esplanade

In addition to the sheetpile flood protection wall, the Alternative would include raising the level of the esplanade to el. 16.5' by reconstructing a new deck on new



girders in order to meet the park elevation and maintain the same program area of the Park.

Existing 24 inch diameter pipe piles and existing concrete pile caps can be maintained. Following local removal of the existing deck slab and hollow core planks, new deep AASHTO concrete girders would be installed in alignment with the existing piles. A new concrete deck would span from girder to girder, perpendicular to the River. The existing soldier pile-supported retaining wall would be increased in height. A new steel sheetpile wall, deadman and integral flood barrier would be installed. The pile caps would be connected to a new deadman with tie rods.

This would allow 100 to 200 psf of pedestrian load, as well as HS 20 vehicle. No other significant loading or planting would be recommended. The length of the bulkhead is about 5000 to 6000 LF of reconstructed structure.

Utilities and Electrical

The original concept is to replace only portions of existing NYC DEP branch interceptor sewers beneath East River Park with fill over them, retaining most of the existing sewers and all existing regulators, which were only to be hardened.

The alternative concept is to retain existing NYC DEP branch interceptor sewers within the park using lightweight fill, raising sewer manholes to proposed grades and replacing or modifying regulators to meet proposed grades. Allowances have been added for replacement of damaged sewer pipe sections, and for guniting or lining of significant length of sewers.

Some advantages of this alternative concept include retaining the existing NYC DEP sewers by using lightweight fill. This will not increase loading on sewers. Also, lining of pipes will extend service life and avoid expense of full replacement of sewers in this project.

Electrical Utilities

Under the Baseline and the Elevated Park Alternative, electrical utilities infrastructure work will be similar, except that in the Elevated Park, it will not need to be hardened to withstand a prolonged submerged condition. Additional light poles will be needed for the elevated esplanade.

Risk Comparison

Con Edison Tunnel

The Elevated East River Park Proposal was generated in response to concerns regarding the level of risk posed by the inclusion of the Con Edison utility tunnel in the baseline design. The Con Edison tunnel presents the most significant risk to the project. This risk could result in significant project cost and a prolonged construction schedule. The VE Team believed that this cost is not sufficiently reflected in either the baseline schedule or the cost estimate. They saw the risks as follows:



1. Under normal circumstances a tunnel for the high-tension transmission lines would be built first and the transmission cables and auxiliary pipes installation would follow, not the other way around. Unearthing the [REDACTED] lines is a major undertaking. All work will involve manual excavation around each – no machinery will be allowed to be used. [REDACTED]
2. [REDACTED] This type of work that usually is done by specialty contractors is expensive and extremely time consuming. Since the scope of this work cannot be estimated up front, a substantial allowance should be included in the project cost.
3. Based on the tunnel cross section information included in the 40% plans, [REDACTED] each pipe may need an individual support structure – possibly as close as every 5 feet.
4. Special attention should be given to positioning the new tunnel around the Con Edison transmission lines in order to maintain a safe passage through the tunnel by the repair/maintenance personnel. [REDACTED]
5. [REDACTED] and there is a risk that Con Edison's expected cost will be higher than what is being negotiated.

Adoption of the proposed alternative would avoid the risks involved in shielding the Con Edison high tension lines in East River Park.

FDR Drive

Impacts to the FDR Drive would be dramatically reduced by adoption of the Elevated Park Alternative. Night construction in four-hour increments would no longer be necessary, dramatically shortening the construction of the flood protection and lessening community impacts. With the Elevated Park Alternative, all flood protection components occur within the Park.

Parkland Alienation

The Elevated Park design should not require parkland alienation costs, which are currently given a broad estimate of roughly \$200M-\$700M for the baseline design.



Because the Alternative proposal protects East River Park, it is believed that this will be deemed to be serving a Park purpose, and therefore will not require alienation.

Fill Sourcing

The quantity of fill is higher in the Alternative proposal than it is in the Baseline design, which increases the risk that fill will be difficult to source.

Permitting

The Elevated Park Proposal will require DEC permitting for the elevated bulkhead. This is a known process for Parks and other agencies, and the process can be started shortly after the decision is made.

Impacts on Design Schedule

Redesign is required to bring the concept of the Elevated Park to the current level of design. Preparation of the EIS will be the critical path for the design schedule. The expenditure of the HUD funding, whether partial or in full, requires certification of the EIS.

Recommended Plan to Encumber the HUD Funding

To accelerate the design and construction of the project, the following approach could be adopted:

- Complete the FEIS and obtain approvals.
- Concurrently, design and obtain permits for reconstruction of the esplanade as the first construction package. Leave gaps in the bulkhead for reconstruction of sewer outfalls, as needed.
- Assume the contractor will use two crews simultaneously. One crew begins at the north end and the other at the south end. The bulkhead work would be performed from barges.
- Concurrently, complete the design of the park, the bridges and the balance of the project.
- Issue other early construction packages for bid: one for the modified bridges, and another for the imported fill, rough grading, and preloading the soft soils.
- Allow the fill to be delivered either by barge or by truck.

Conclusion

The assembled working group of city agency representatives, design team and VE team members collectively examined the feasibility of the Elevated Park Alternative, and determined that, with some adjustments to assumptions, it is achievable.

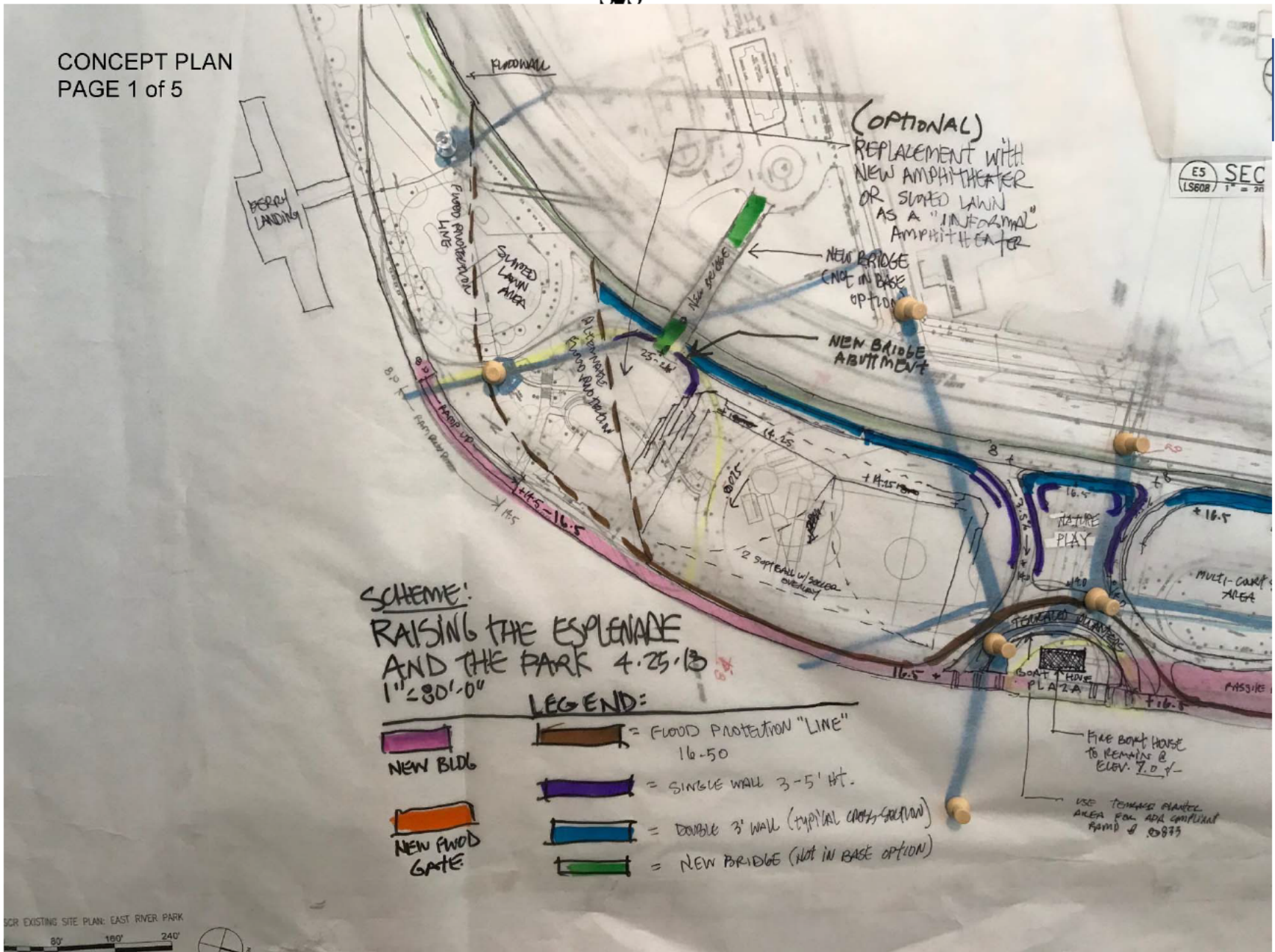
The additional cost for the Alternative is allocated to Park longevity and reduction of risk to the Project.

SECTION 2

GRAPHICS



CONCEPT PLAN
PAGE 1 of 5



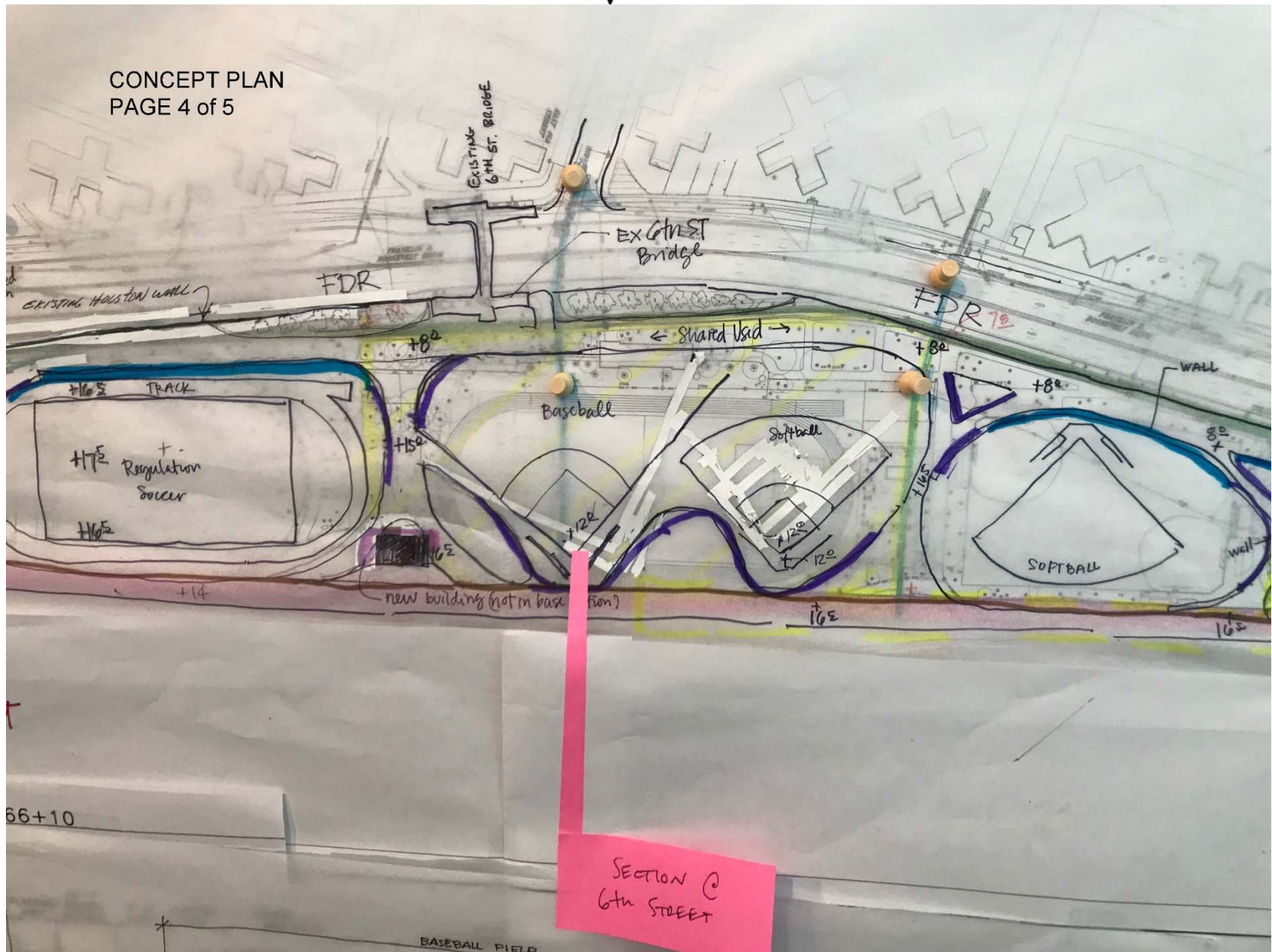
CONCEPT PLAN
PAGE 3 of 5



6th Street

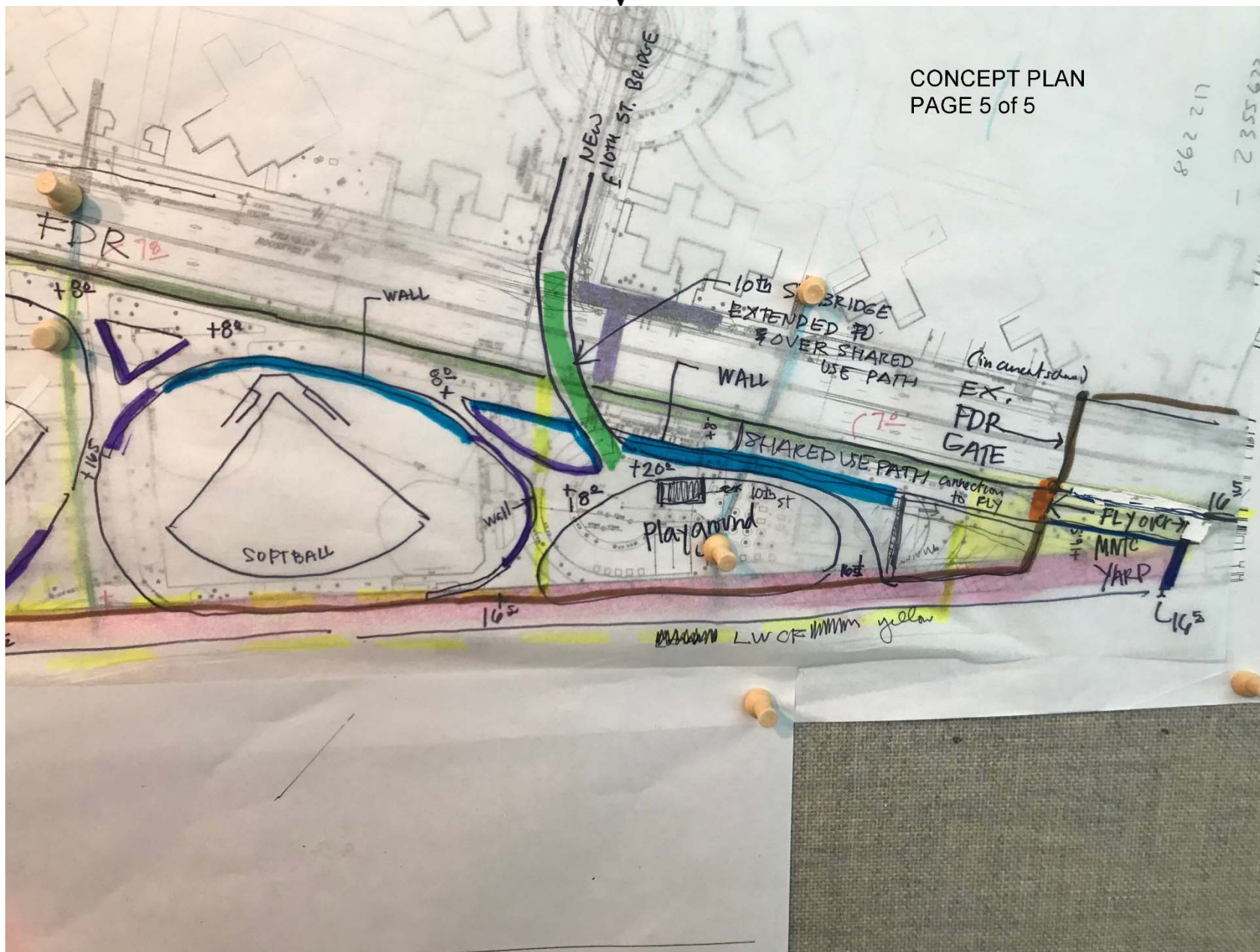


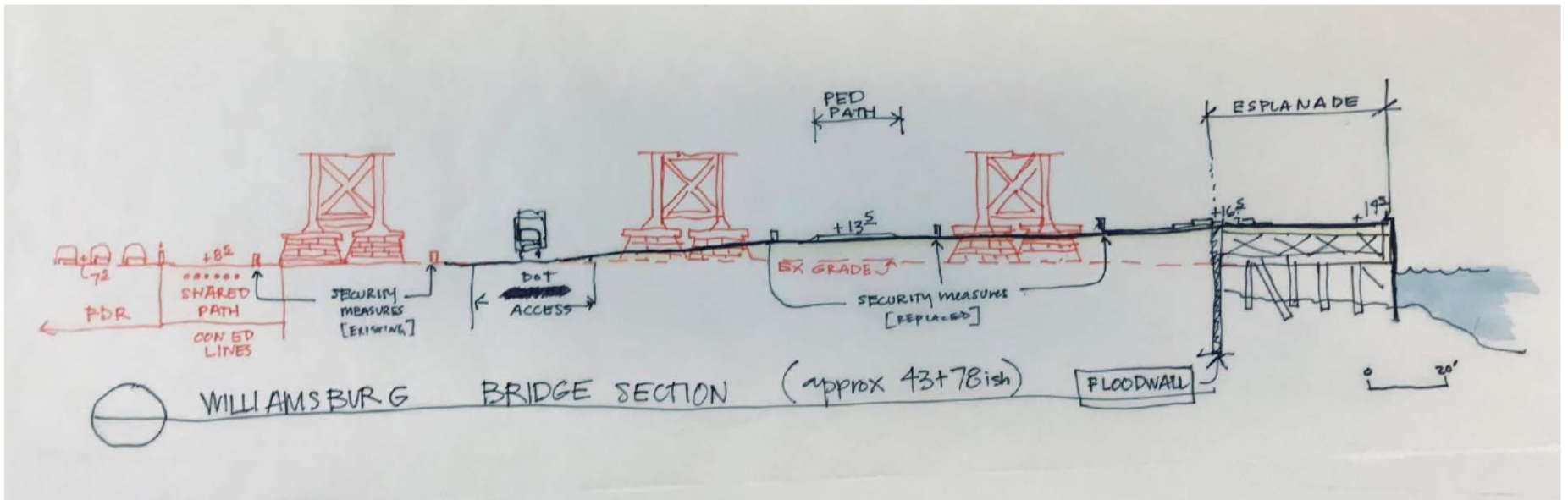
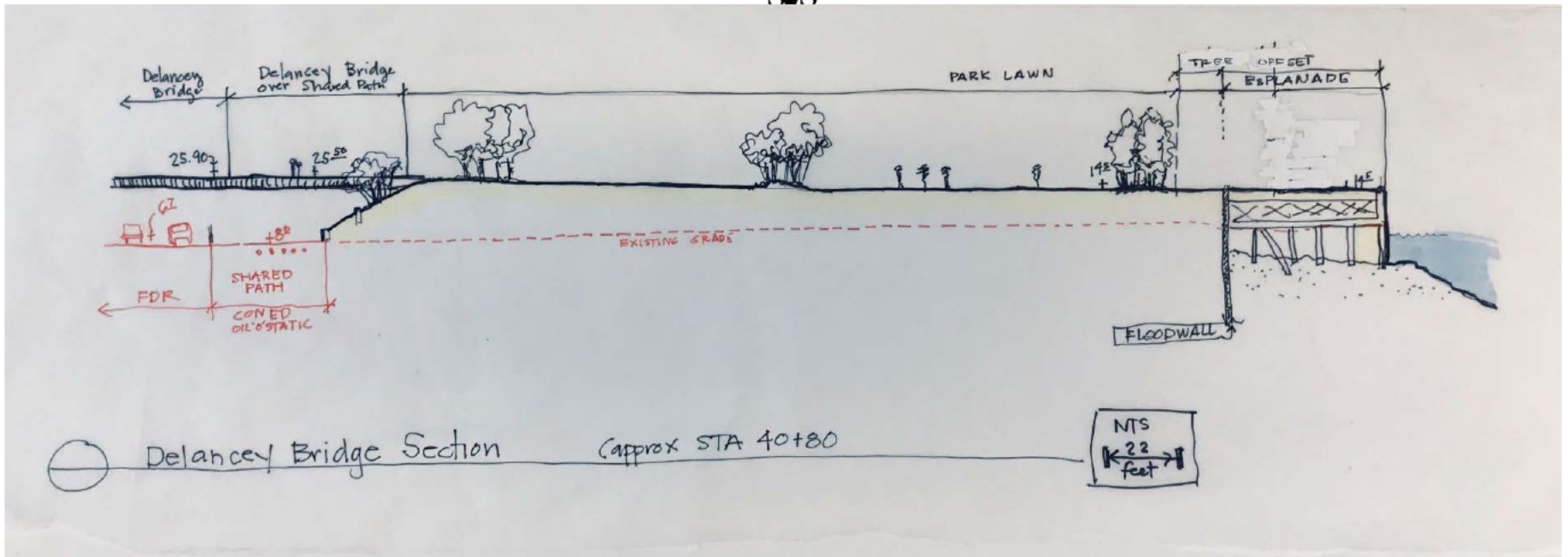
CONCEPT PLAN
PAGE 4 of 5

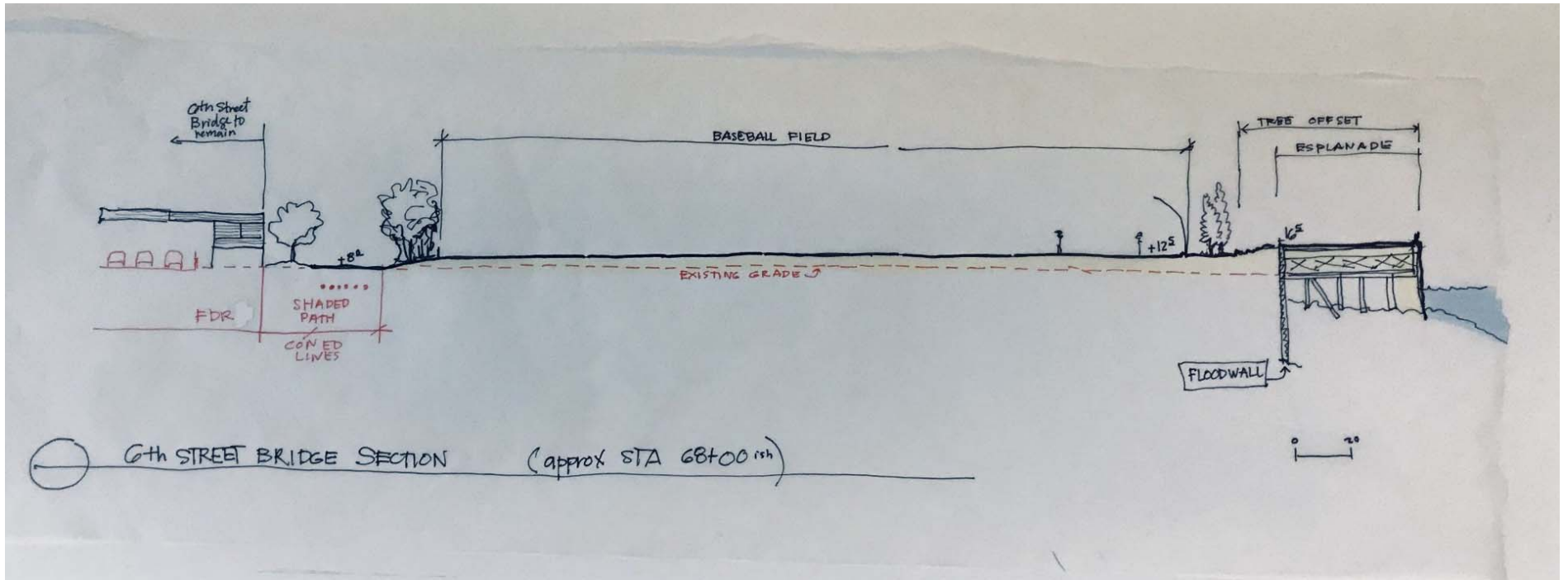


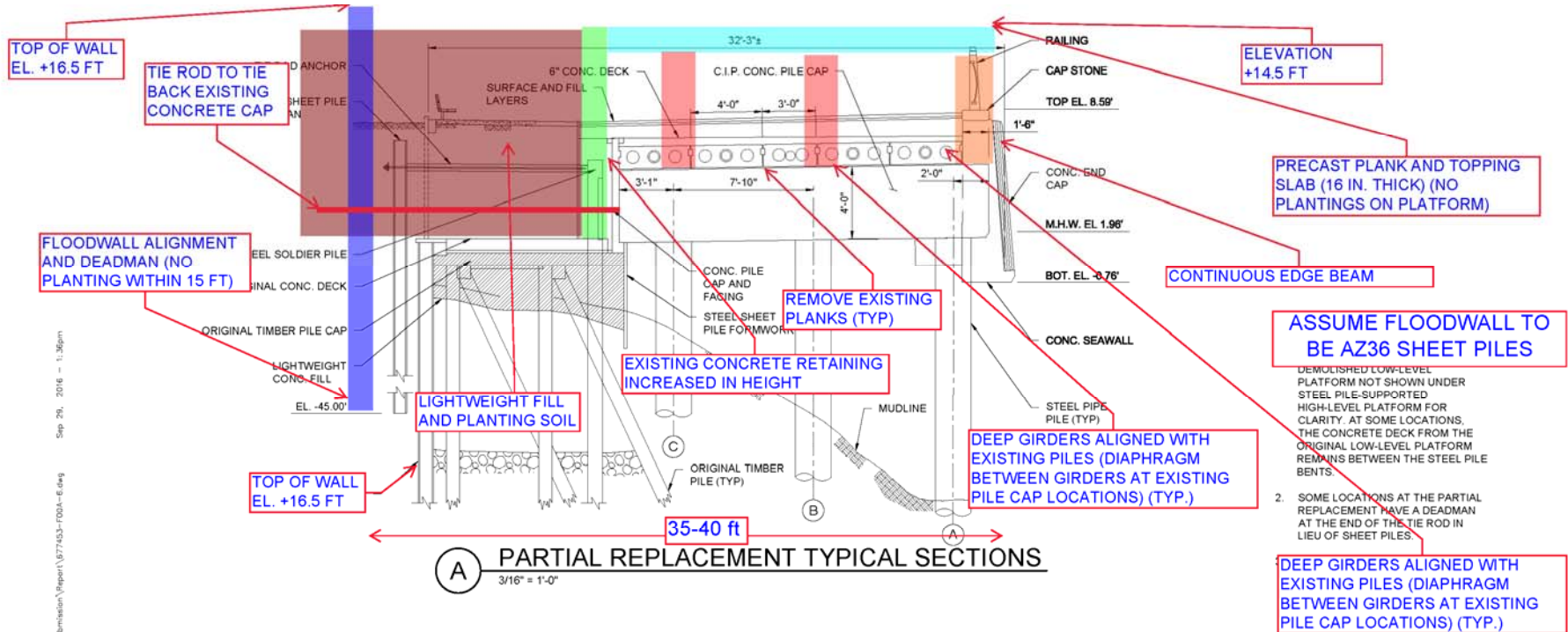


CONCEPT PLAN
PAGE 5 of 5

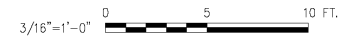








Sep 29, 2016 - 1:36pm
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DEPARTMENT OF DESIGN AND CONSTRUCTION
NEW YORK, NEW YORK

EAST RIVER PARK
HIGH-LEVEL PLATFORM
TYPICAL SECTIONS (SHEET 1 OF 2)

FIG A-6

SECTION 3

ESTIMATED COST COMPARISON



SECTION 3 ESTIMATED COST COMPARISON

ESCR BASELINE TO ELEVATED PARK COST COMPARISON

Item	Description	ESCR Baseline	ESCR Elevated Park
	01 BASE DESIGN		
	01 FLOOD PROTECTION		
	CSOC Combined Sewer Crossings	236,659	236,659
	DEMO Demolition & Clearing	4,191,989	4,747,309
	GATE Flood Gates	21,656,180	22,029,615
	STRU-B Brick Wall Reconstruction	877,297	877,297
	STRU-I "I" Wall	41,227,898	23,371,573
	STRU-L "L" Wall	38,710,092	6,402,890
	STRU-T "T" on Grout Column	7,952,715	7,952,715
	STRU-UT Con Ed Tunnel	70,329,632	
	UC Utility Crossing	42,209,765	42,209,765
	01 FLOOD PROTECTION	227,392,227	107,827,823
	02 PARK LANDSCAPING		
	ASPHALT Paving	4,844,896	4,844,896
	BELGIAN Salvage Granite Block Pavers at Base Course	488,414	488,414
	BENCH Benches	964,914	964,914
	BIKE PATH Bike Path	693,615	693,615
	BIKE RACK Bike Racks	55,579	55,579
	BOLLARD Bollards	22,383	22,383
	CL FENCE CL Fencing	1,648,315	1,648,315
	CONC Sidewalks	149,424	149,424
	DRAINAGE Drainage	2,610,000	2,610,000
	ELEC Electrical	89,242	89,242
	FILL IMP Impervious Fill	961,850	961,850
	FILL LS Landscape/Plantable Fill	6,606,622	6,606,622
	LIGHT Lighting	4,696,451	4,696,451
	PAVING Paving	7,362,052	7,362,052
	PLAYGROUND Playgrounds	6,771,499	6,771,499
	PLUMBING Plumbing	1,181,271	1,181,271
	RAILING Railings	2,792,416	2,792,416
	RAMP DOT Pedestrian Sidewalk Ramp	261,008	261,008
	SEATWALL Seatwall	1,696,723	1,696,723
	SPORT LIGHT Sports Lighting	3,916,801	3,916,801
	SYN TURF Synthetic Turf	2,920,734	2,920,734
	TABLES Tables	481,030	481,030
	TRASH Trash Receptacles	211,266	211,266
	TRENCH Utility Trenching	270,492	270,492
	WI FENCE Wrought Iron	418,534	418,534
	02 PARK LANDSCAPING	52,115,531	52,115,531
	03 PARK UTILITIES		
	CB Catch Basin Modification	66,700	66,700
	DEMO Demolition & Clearing	6,524	6,524
	DW Domestic Water Distribution	1,946,318	1,946,318
	ELEC Electrical	14,500,000	14,500,000



ESCR BASELINE TO ELEVATED PARK COST COMPARISON

IRRIG Irrigation	435,000	435,000
LIGHT Lighting	7,250,000	7,250,000
NG Natural Gas Distribution	36,250	36,250
PLUMBING Plumbing	10,804	10,804
WATER Water Main	210,605	210,605
03 PARK UTILITIES	24,462,201	24,462,201
04 PEDESTRIAN BRIDGES		
PB Pedestrian Bridge	41,221,906	41,221,906
04 PEDESTRIAN BRIDGES	41,221,906	41,221,906
05 COMBINED SEWER SYSTEM		
MH-M Manhole Modifications	2,193,550	2,193,550
MH-R Manhole Repairs (By Type)	347,212	347,212
MH-SR Manhole Reconstructed @ Sewer Replacement	2,252,549	2,252,549
REG Regulator Strengthening	6,697,355	6,697,355
SEWER Sewer Reconstruction	41,816,051	41,816,051
05 COMBINED SEWER SYSTEM	53,306,716	53,306,716
06 COMFORT STATION		
Comfort Sta Comfort Station	2,799,225	2,799,225
06 COMFORT STATION	2,799,225	2,799,225
07 INTERCEPTOR GATES		
INT Install Interceptor Gates	11,600,000	11,600,000
07 INTERCEPTOR GATES	11,600,000	11,600,000
08 WATER MAIN RELOCATION (24")		
WATER Water Main	2,612,204	2,612,204
08 WATER MAIN RELOCATION (24")	2,612,204	2,612,204
10 AMENDMENTS	5,500,000	0
01 BASE DESIGN SUBTOTAL	421,010,011	295,945,607
11 PARK ADJUSTMENTS		
02 PARK LANDSCAPING		
Fill Fill		4,445,733
Fire Hse Fire house		82,500
Ops Bldg Operations Building		3,281,250
Ret Walls Retaining Walls		2,642,111
Tennis Bldg Tennis Building		5,250,000
Track&Fld Track & Field		4,361,000
02 PARK LANDSCAPING		20,062,594
04 PEDESTRIAN BRIDGES		
PB Pedestrian Bridge		7,613,630
04 PEDESTRIAN BRIDGES		7,613,630
05 COMBINED SEWER SYSTEM		
MH-SR Manhole Reconstructed @ Sewer Replacement		719,964
05 COMBINED SEWER SYSTEM		719,964
06 COMFORT STATION		
Comfort Sta Comfort Station		2,392,500
06 COMFORT STATION		2,392,500
11 PARK ADJUSTMENTS SUBTOTAL	0	30,788,689
12 ESPLANADE ADJUSTMENTS		



ESCR BASELINE TO ELEVATED PARK COST COMPARISON

05 COMBINED SEWER SYSTEM		
SEWER Sewer Reconstruction		3,100,000
12 ESPLANADE PARTIAL WIDTH SECTION A		
BELGIAN Salvage Granite Block Pavers over Base Course		2,357,762
Demo Demolition		1,586,053
FILL LS Landscape/Plantable Fill		20,480,527
LW Fill LW Fill		5,976,356
RAILING Railings		3,371,252
Structure Structure		24,987,099
Topping Topping		819,154
12 ESPLANADE PARTIAL WIDTH SECTION A		59,578,202
13 ESPLANADE FULL WIDTH SECTION B		
BELGIAN Salvage Granite Block Pavers over Base Course		2,167,619
Demo Demolition		1,209,734
FILL LS Landscape/Plantable Fill		18,828,872
RAILING Railings		3,099,377
Structure Structure		34,713,331
Topping Topping		1,257,227
13 ESPLANADE FULL WIDTH SECTION B		61,276,161
12 ESPLANADE ADJUSTMENTS SUBTOTAL		0
15 SEWER REHABILITATION		
05 COMBINED SEWER SYSTEM		
SEWER Sewer Reconstruction		12,504,194
05 COMBINED SEWER SYSTEM		12,504,194
09 REGULATORS		
REG Regulator Strengthening		39,000,000
09 REGULATORS		39,000,000
15 SEWER REHABILITATION SUBTOTAL		0
Total with Adjustments		421,010,011
		502,192,852



ESCR BASELINE TO ELEVATED PARK COST COMPARISON

Direct Cost with Markups

	ESCR Baseline	ESCR Elevated Park
Labor	253,731,259	329,027,124
Material	107,343,633	119,125,380
Subcontract		
Equipment	35,034,715	28,935,274
Other	24,900,405	25,105,074
	421,010,012	502,192,852
Contingency	126,303,003	150,657,856
	547,313,015	652,850,708
Escalation 3.34 year x 4%	76,350,165	91,072,674
	623,663,180	743,923,382
GC General Conditions	62,366,318	74,392,338
	686,029,498	818,315,720
Overhead & Profit (10%&5%)	102,904,425	122,747,358
	788,933,923	941,063,078
Contractor Bond & Insurance	15,778,678	18,821,262
	804,712,601	959,884,340
Tree Mitigation	21,783,580	33,783,580
DEP Interior Drainage	161,967,141	161,967,141
	988,463,322	1,155,635,061
Total	988,463,322	1,155,635,061
Alienation Mitigation Allowance	300,000,000	0
TOTAL CONSTRUCTION	\$1,288,463,322	\$1,155,635,061

SECTION 4

ATTENDEES



SECTION 4 ATTENDEES

OMB TECHNICAL SERVICES UNIT VE MEETING ATTENDANCE SHEET

VETC [REDACTED] SVS DATE: Tuesday, April 24th, 2018

LOCATION 255 Park Place, 8th Floor, Conference Room 8-S1/S2

STUDY ESCR VE Meeting

NAME	Company / Agency	Phone/Fax/E-Mail
1. Robert Colyer	NY EDOT - BRIDGES	Phone 212 839-6300 Fax E-Mail rcolyer@edot.nyc.gov
2. Lesme Wolf	NYC DOT - CAPITAL PLAN.	Phone 212 839-4975 Fax E-Mail LWOLF@DOT.NYC.GOV
3. [REDACTED]	MUESER RUTLEDGE CONSULTING ENGINEERS	Phone [REDACTED] Fax E-Mail [REDACTED]
4. [REDACTED]	ditto	Phone [REDACTED] Fax E-Mail [REDACTED]
5. Leslie Peoples	Parks	Phone 718 393 7361 Fax E-Mail Leslie.Peoples@parks.nyc.gov
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8. SARAH NEILSON	NYC PARKS	Phone Sarah.Neilson@parks.nyc.gov Fax E-Mail
9. Lawrence Mauro	NYC PARKS	Phone Fax LAWRENCE MAURO@parks.nyc.gov E-Mail
10. Owen Wells	NYC Parks	Phone 212-360-3492 Fax E-Mail owen.wells@parks.nyc.gov



**OMB TECHNICAL SERVICES UNIT
VE MEETING ATTENDANCE SHEET**

VETC [REDACTED] **SVS** **DATE:** Tuesday, April 24th, 2018

LOCATION 255 Park Place, 8th Floor, Conference Room 8-S1/S2

STUDY ESCR VE Meeting

NAME	Company / Agency	Phone/Fax/E-Mail
11. CARL RODRIGUES	CITY HALL / UOS	Phone 212 341 5380 Fax E-Mail carlrodriguez@cityhall.nyc.gov
12. Ben Furnas	City Hall / FDM	Phone 212-341-5093 Fax E-Mail bfurnas@cityhall.nyc.gov
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14. [REDACTED]	STREWORKS	Phone Fax E-Mail [REDACTED]
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16. Minelly DeCoo	ORR	Phone mdecoo@cityhall.nyc.gov Fax E-Mail
17. Jim GARIN	DEP	Phone 718. 595-5501 Fax E-Mail jgarin@dep.nyc.gov
18. Eleanor Rogurs	DDC	Phone Fax E-Mail ROBERSEL@DDC.NYC.GOV
19. Brian Pelli: ORR	OMB	Phone 217 788 6346 Fax E-Mail pelli.orr@omb.nyc.gov
20. [REDACTED]	CH2M/Jacobs	Phone [REDACTED] Fax E-Mail [REDACTED]



**OMB TECHNICAL SERVICES UNIT
VE MEETING ATTENDANCE SHEET**

VETC [REDACTED] SVS DATE: Tuesday, April 24th, 2018

LOCATION 255 Park Place, 8th Floor, Conference Room 8-S1/S2

STUDY ESCR VE Meeting

NAME	Company / Agency	Phone/Fax/E-Mail
21. [REDACTED]	CH2M/JACOBS	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
22. [REDACTED]	LAZ. ENG.	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
23. [REDACTED]	MVA	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
24. Scott Johnson	OMB TECHNICAL SERVICES	Phone 212-788-644 Fax 6200 E-Mail JohnsonS@omb.nyc.gov
25. Jill Woller	OMB Tech Svcs	Phone 212-788-6137 Fax 6200 E-Mail wollerj@omb.nyc.gov
26. [REDACTED]	MNLA	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
27. [REDACTED]	AKRF	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
28. [REDACTED]	ONE ARCHITECTURE	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
29. [REDACTED]	AKRF	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
30. [REDACTED]	AKRF	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]



**OMB TECHNICAL SERVICES UNIT
VE MEETING ATTENDANCE SHEET**

VETC [REDACTED] **SVS** **DATE:** Tuesday, April 24th, 2018

LOCATION 255 Park Place, 8th Floor, Conference Room 8-S1/S2

STUDY ESCR VE Meeting

NAME	Company / Agency	Phone/Fax/E-Mail
31. [REDACTED]	ARLAP'S	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
32. ERAM QADRI	NYCOMB	Phone 212-788-6241 Fax E-Mail qadrie@omb.nyc.gov
33. THU-LOAN DINH	NYCDDC	Phone Fax DINHTH@DDC.NYC.GOV E-Mail XXXXXXXXXX
34. HALEY STEIN	NIC LAW	Phone Fax E-Mail hstein@law.nyc.gov
35. Curtis Cervino	ORR	Phone Fax cervino@cityhall.nyc.gov E-Mail
36. Cherry Mui	ORR	Phone Fax E-Mail cmui@cityhall.nyc.gov
37. Enam Haque	DEP	Phone Fax E-Mail ehague@dep.nyc.gov
38. Christina Larkin	OMB CDBG-DR	Phone (212)788-8236 Fax E-Mail LARKINC@omb.nyc.gov
39. CALVIN JOHNSON	OMB CDBG-DR	Phone 212 788 6024 Fax E-Mail johnsonc@omb.nyc.gov
40. Judy Chang	DOT	Phone 212-839-9798 Fax E-Mail jchang1@dot.nyc.gov



**OMB TECHNICAL SERVICES UNIT
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STUDY ESCR VE Meeting

NAME	Company /Agency	Phone/Fax/E-Mail
41. <i>Matthew Winters</i>	<i>C/DOT</i>	Phone Fax E-Mail <i>m.winters@dot.ny.gov</i>
42. <i>Joyce Li</i>	<i>Mayor's Office DM Ops</i>	Phone Fax E-Mail <i>jli@cityhall.nyc.gov</i>
43. <i>Tewy Michaud</i>	<i>OMB Tech Serv</i>	Phone <i>(212) 788-6167</i> Fax <i>6200</i> E-Mail <i>michaudt@omb.nyc.gov</i>
44. [REDACTED]	<i>AKRF</i>	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
45. [REDACTED]	<i>ONE ARCHITECTURE</i>	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
46. [REDACTED]	<i>STRATEGIC VALUE SOLUTIONS, INC.</i>	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
47. [REDACTED]	<i>Strategic Value Solutions, Inc.</i>	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
48. <i>Travis Godsoe</i>	<i>OMB Tech Services</i>	Phone <i>212-788-6158</i> Fax <i>212-788-6200</i> E-Mail <i>godsoet@omb.nyc.gov</i>
49. [REDACTED]	<i>MVVA</i>	Phone Fax E-Mail
50. [REDACTED]		Phone Fax E-Mail



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STUDY ESCR VE Meeting

NAME	Company / Agency	Phone/Fax/E-Mail
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5. [REDACTED]	STRATEGIC VALUE SOLUTIONS, Inc.	Phone Fax E-Mail [REDACTED]
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7. Scott Johnson	OMB Technical Services	Phone 212-788-6114 Fax 6200 E-Mail JOHNSONS@dep.nyc.gov
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NAME	Company / Agency	Phone/Fax/E-Mail
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12. [REDACTED]	<i>Sloman CONSTRUCTION CONSULTING</i>	Phone [REDACTED] Fax E-Mail [REDACTED]
13. [REDACTED]	<i>AKRF</i>	Phone Fax E-Mail [REDACTED]
14. [REDACTED]	<i>AKRF</i>	Phone [REDACTED] Fax E-Mail [REDACTED]
15. <i>Enam Haque</i>	<i>DEP</i>	Phone Fax E-Mail <i>ehaque@dep.nyc.gov</i>
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17. [REDACTED]	<i>HDR</i>	Phone Fax E-Mail [REDACTED]
18. <i>Eleanor Rogers</i>	<i>DOC</i>	Phone Fax E-Mail <i>ROGERSELL@DOC.NYC.GOV</i>
19. [REDACTED]	<i>SITWORKS</i>	Phone Fax E-Mail [REDACTED]
20. <i>Leslie Peoples</i>	<i>NYC Parks</i>	Phone Fax E-Mail <i>Leslie.Peoples@parks.nyc.gov</i>



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STUDY ESCR VE Meeting

NAME	Company /Agency	Phone/Fax/E-Mail
21. Alda Chan	NYC Parks	Phone 212 360 3413 Fax E-Mail Alda.Chan@parks.nyc.gov
22. [REDACTED]	Jacobs	Phone [REDACTED] Fax E-Mail [REDACTED]
23. [REDACTED]	ARCADIS	Phone [REDACTED] Fax E-Mail [REDACTED]
24. Judy Chang	DOT	Phone (212) 839-9798 Fax E-Mail jchang1@dot.nyc.gov
25. SARAH NEILSON	NYC PARKS	Phone Fax sarah.neilson@parks.nyc.gov E-Mail
26. [REDACTED]	ONE ARCH.	Phone Fax E-Mail [REDACTED]
27. [REDACTED]	LAZ. ENG.	Phone [REDACTED] Fax E-Mail [REDACTED]
28. [REDACTED]	MVVA	Phone Fax E-Mail
29.		Phone Fax E-Mail
30.		Phone Fax E-Mail



**OMB TECHNICAL SERVICES UNIT
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VETC [REDACTED] SVS, Inc.

LOCATION OMB, 255 Greenwich Street, 7th Floor, Conference Room E-10

STUDY ESCR Proposal Review DATE: Thursday, April 26th, 2018

	NAME	Company /Agency	
1.	[REDACTED]	MUESER RUTLEDGE	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
2.	[REDACTED]	MUESER RUTLEDGE	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
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4.	Lacy Shelby	DOT	Phone [REDACTED] Fax [REDACTED] E-Mail lshelby@DOT.NYC.GOV
5.	THU-LOAN DINH	NYC DDC	Phone [REDACTED] Fax [REDACTED] E-Mail DINHTH@DDC.NYC.gov
6.	[REDACTED]	ARCADIS	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
7.	[REDACTED]	ONE ARCHITECTURE	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
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STUDY ESCR Proposal Review DATE: Thursday, April 26th, 2018

NAME	Company /Agency	Phone/Fax/E-Mail
11. [REDACTED]	AICRF	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
12. [REDACTED]	MNLA	Phone [REDACTED] Fax [REDACTED] E-Mail [REDACTED]
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NAME	Company / Agency	Phone/Fax/E-Mail
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24. [REDACTED]	Jacobs	Phone [REDACTED] Fax E-Mail [REDACTED]
25. [REDACTED]	AKRF	Phone [REDACTED] Fax E-Mail [REDACTED]
26. [REDACTED]	AKRF	Phone [REDACTED] Fax E-Mail [REDACTED]
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