Appendix C1e Preferred Alternative - Esplanade Structural Plan and Cross Sections

East Side Coastal Resiliency Project
New York City Department of Design and Construction
2/5/2019

Appendix C1e Esplanade Structural Plan and Cross Sections



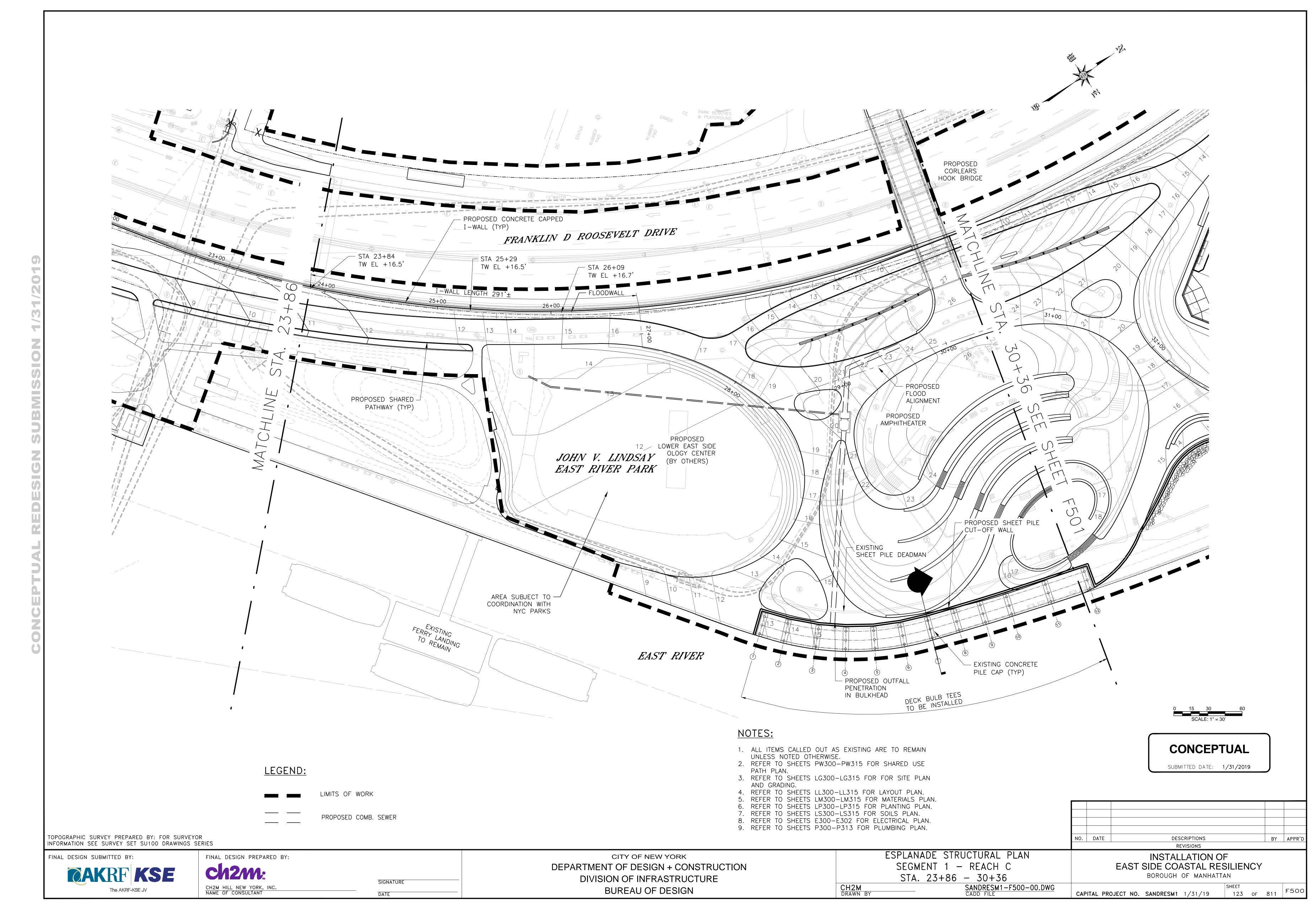


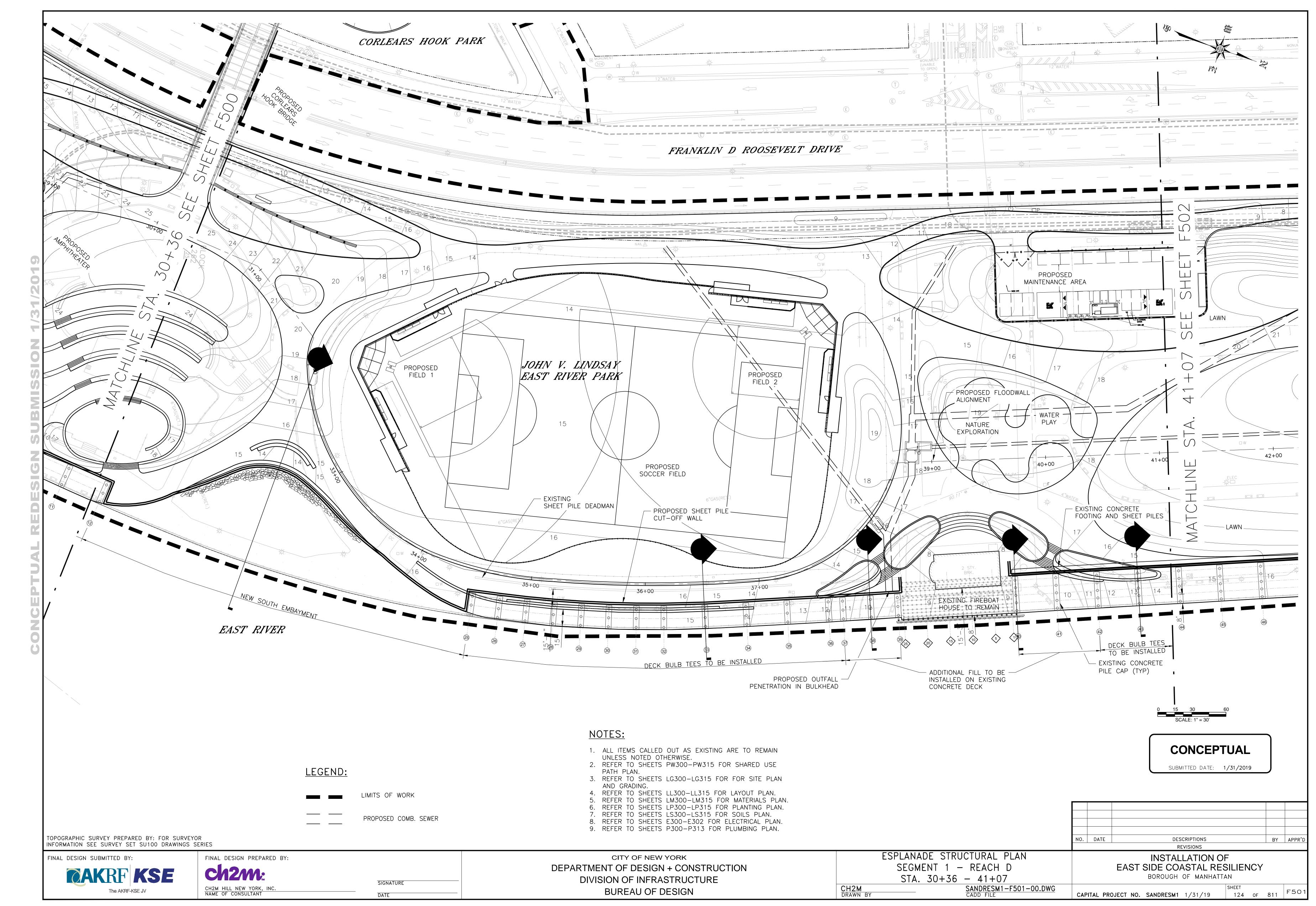


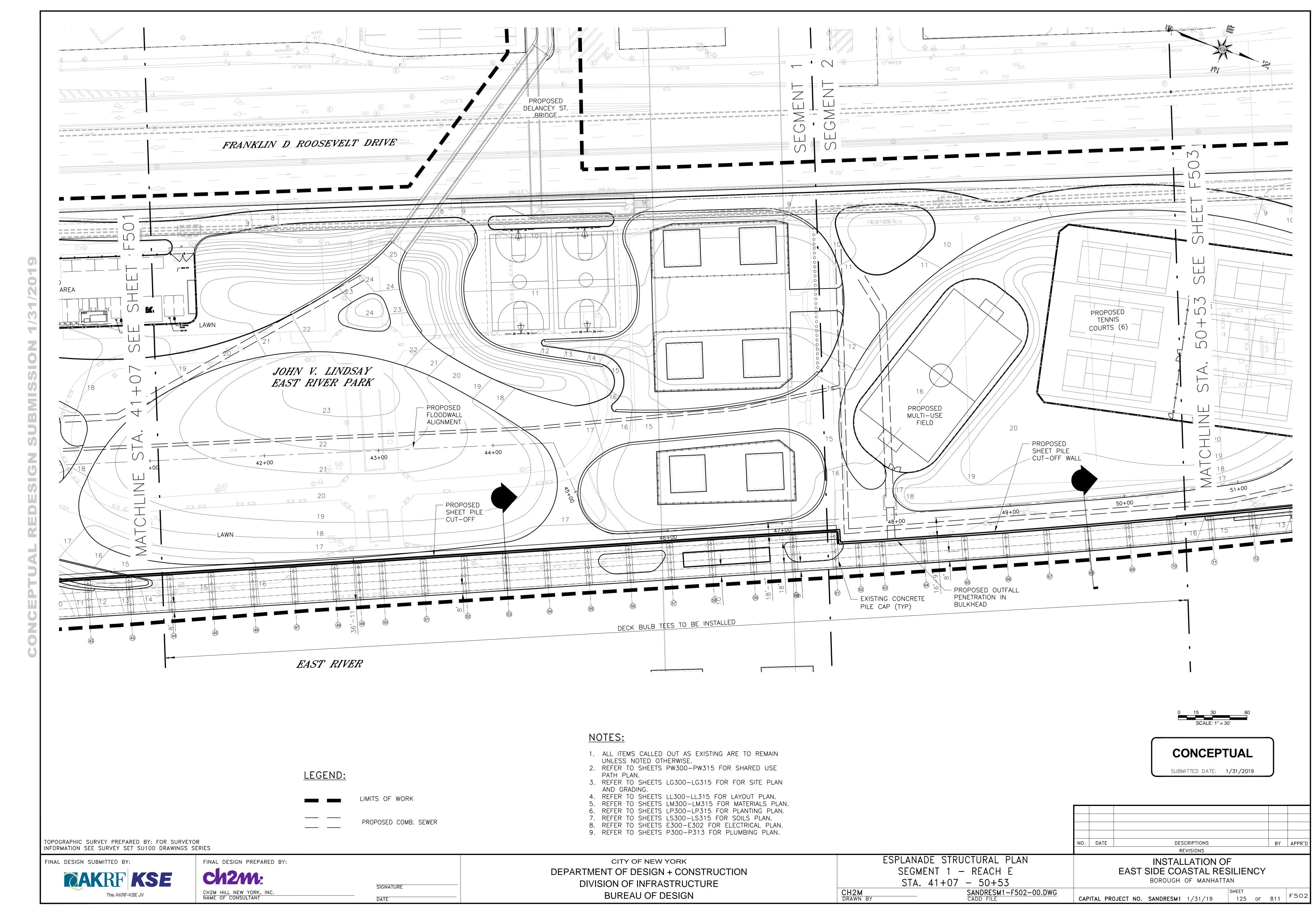
TABLE OF CONTENTS

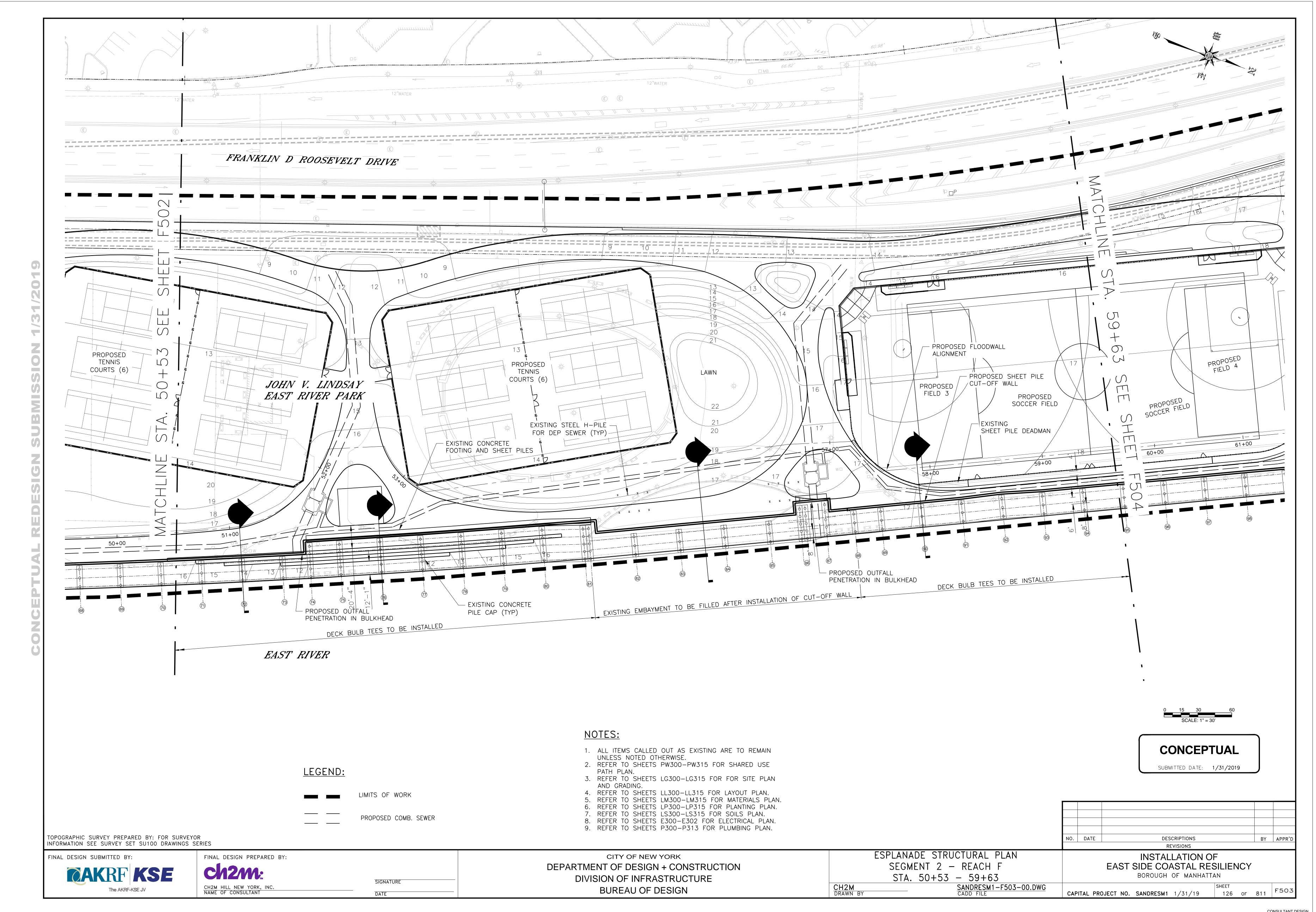
SHEET NO.	DRAWING NO.	SHEET TITLE
F500	SANDRESM1-F500-00.DWG	ESPLANADE STRUCTURAL PLAN SEGMENT 1 - REACH C STA. 23+86 - 30+36
F501	SANDRESM1-F501-00.DWG	ESPLANADE STRUCTURAL PLAN SEGMENT 1 - REACH D STA. 30+36 - 41+07
F502	SANDRESM1-F502-00.DWG	ESPLANADE STRUCTURAL PLAN SEGMENT 1 - REACH E STA. 41+07 - 50+53
F503	SANDRESM1-F503-00.DWG	ESPLANADE STRUCTURAL PLAN SEGMENT 2 - REACH F STA. 50+53 - 59+63
F504	SANDRESM1-F504-00.DWG	ESPLANADE STRUCTURAL PLAN SEGMENT 2 - REACH G STA. 59+63 - 69+75
F505	SANDRESM1-F505-00.DWG	ESPLANADE STRUCTURAL PLAN SEGMENT 2 - REACH H STA. 69+75 - 78+00
F506	SANDRESM1-F506-00.DWG	ESPLANADE STRUCTURAL PLAN SEGMENT 3 - REACH I STA. 78+00 - 86+14
F507	SANDRESM1-F507-00.DWG	ESPLANADE STRUCTURAL PLAN SEGMENT 3 - REACH J STA. 86+14 - 89+93
F520	SANDRESM1-F520-00.DWG	ESPLANADE CROSS SECTIONS SHEET 1 OF 9
F521	SANDRESM1-F521-00.DWG	ESPLANADE CROSS SECTIONS SHEET 2 OF 9
F522	SANDRESM1-F522-00.DWG	ESPLANADE CROSS SECTIONS SHEET 3 OF 9
F523	SANDRESM1-F523-00.DWG	ESPLANADE CROSS SECTIONS SHEET 4 OF 9
F524	SANDRESM1-F524-00.DWG	ESPLANADE CROSS SECTIONS SHEET 5 OF 9
F525	SANDRESM1-F525-00.DWG	ESPLANADE CROSS SECTIONS SHEET 6 OF 9
F526	SANDRESM1-F526-00.DWG	ESPLANADE CROSS SECTIONS SHEET 7 OF 9
F527	SANDRESM1-F527-00.DWG	ESPLANADE CROSS SECTIONS SHEET 8 OF 9
F528	SANDRESM1-F528-00.DWG	ESPLANADE CROSS SECTIONS SHEET 9 OF 9

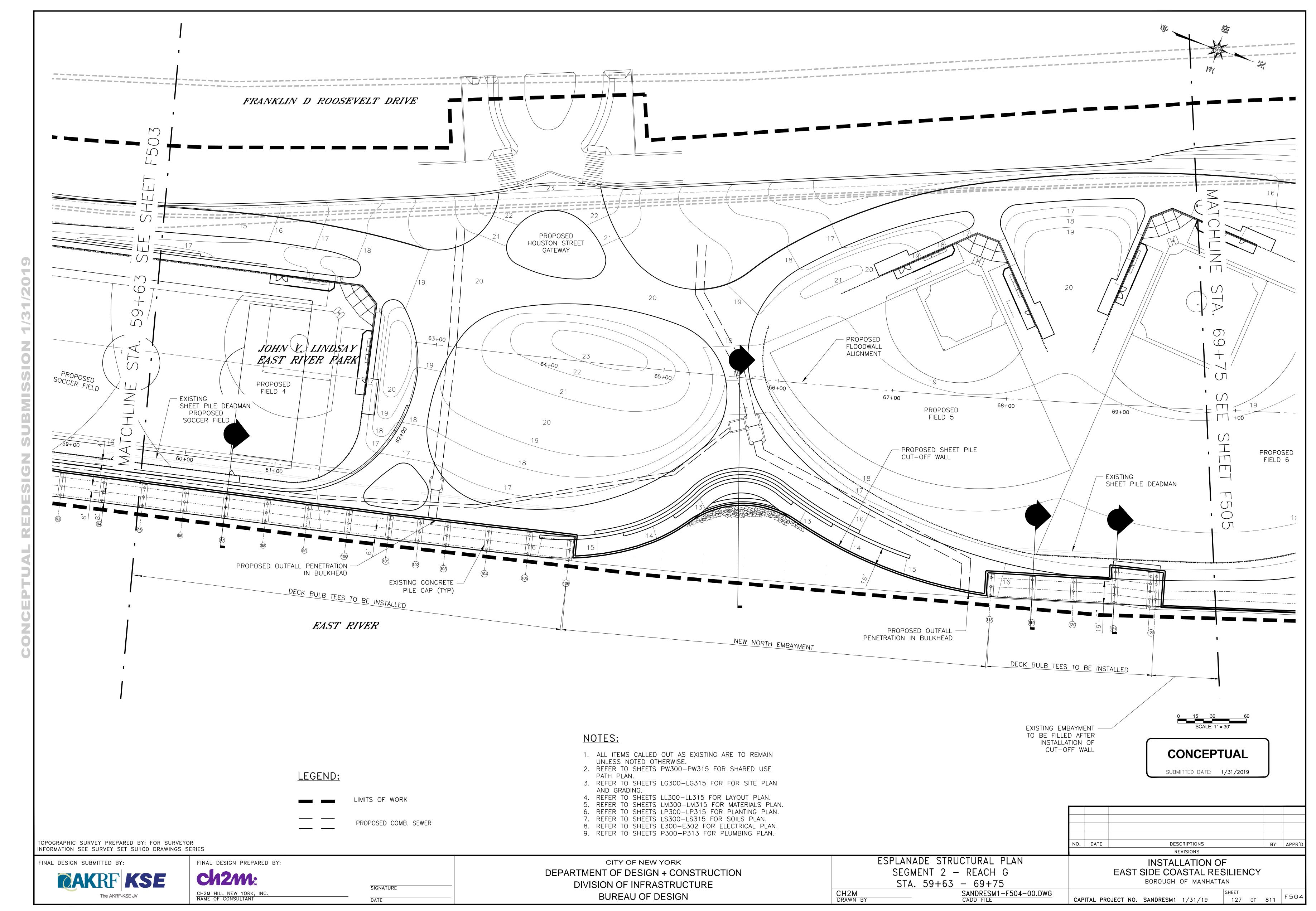


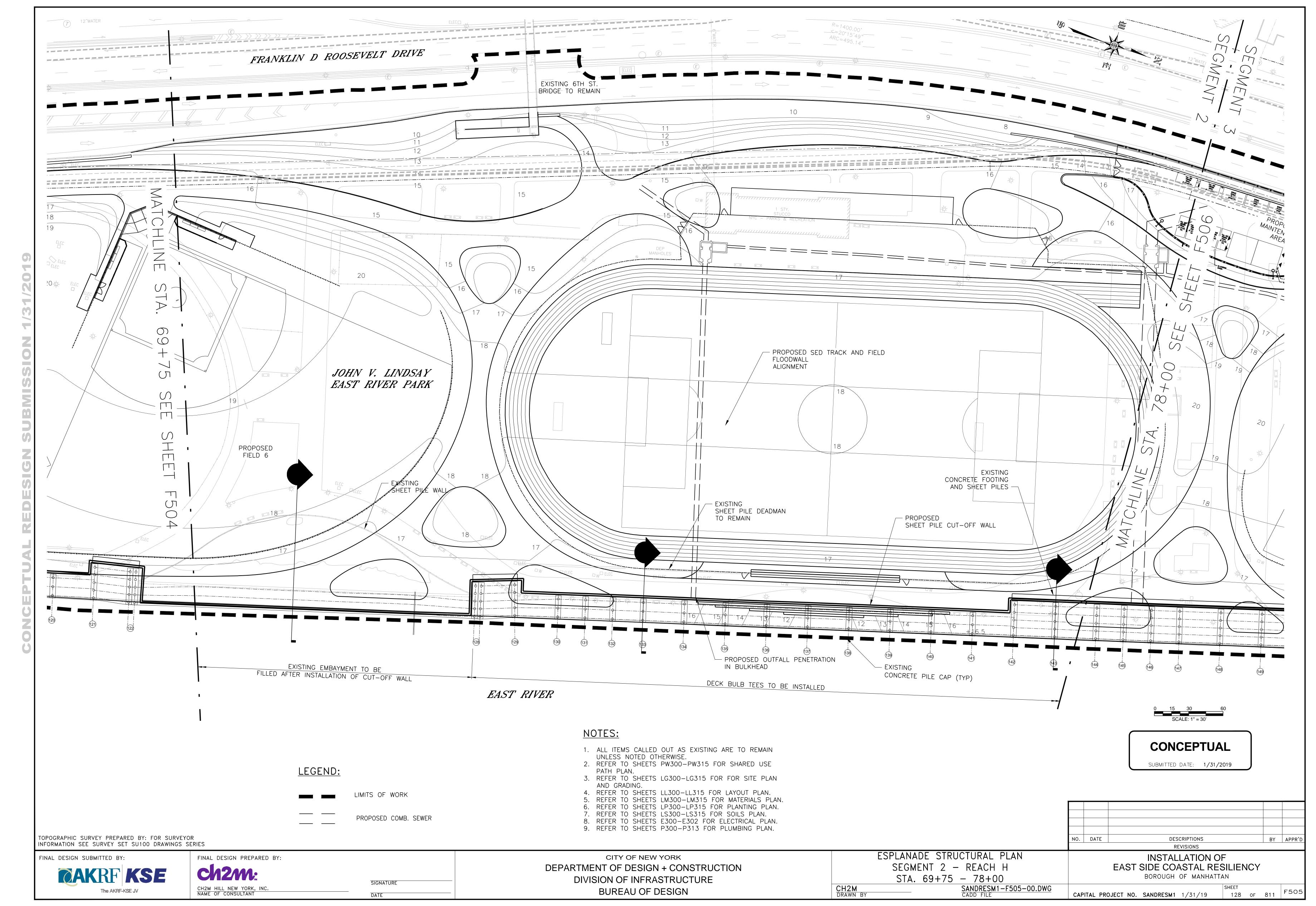


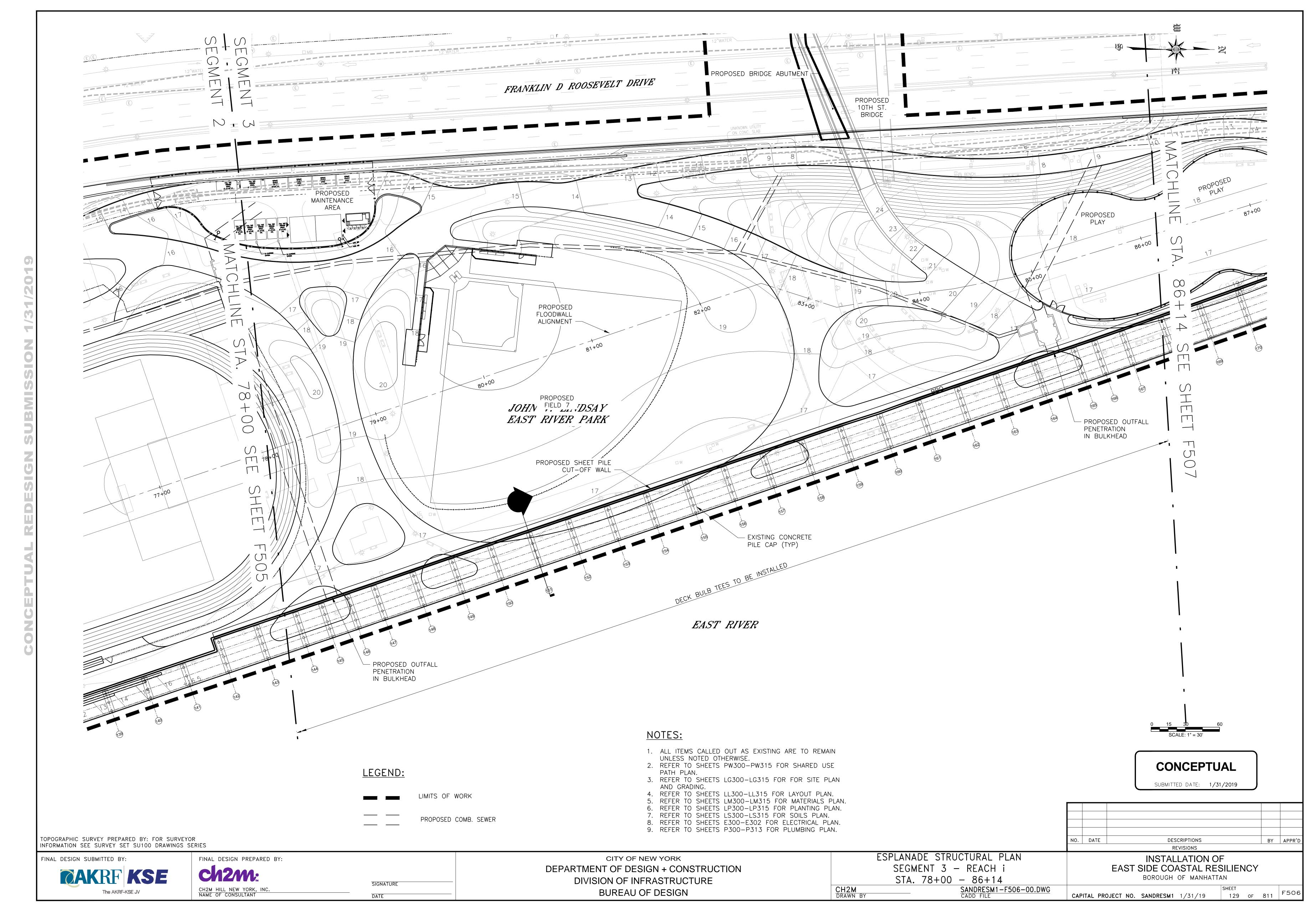


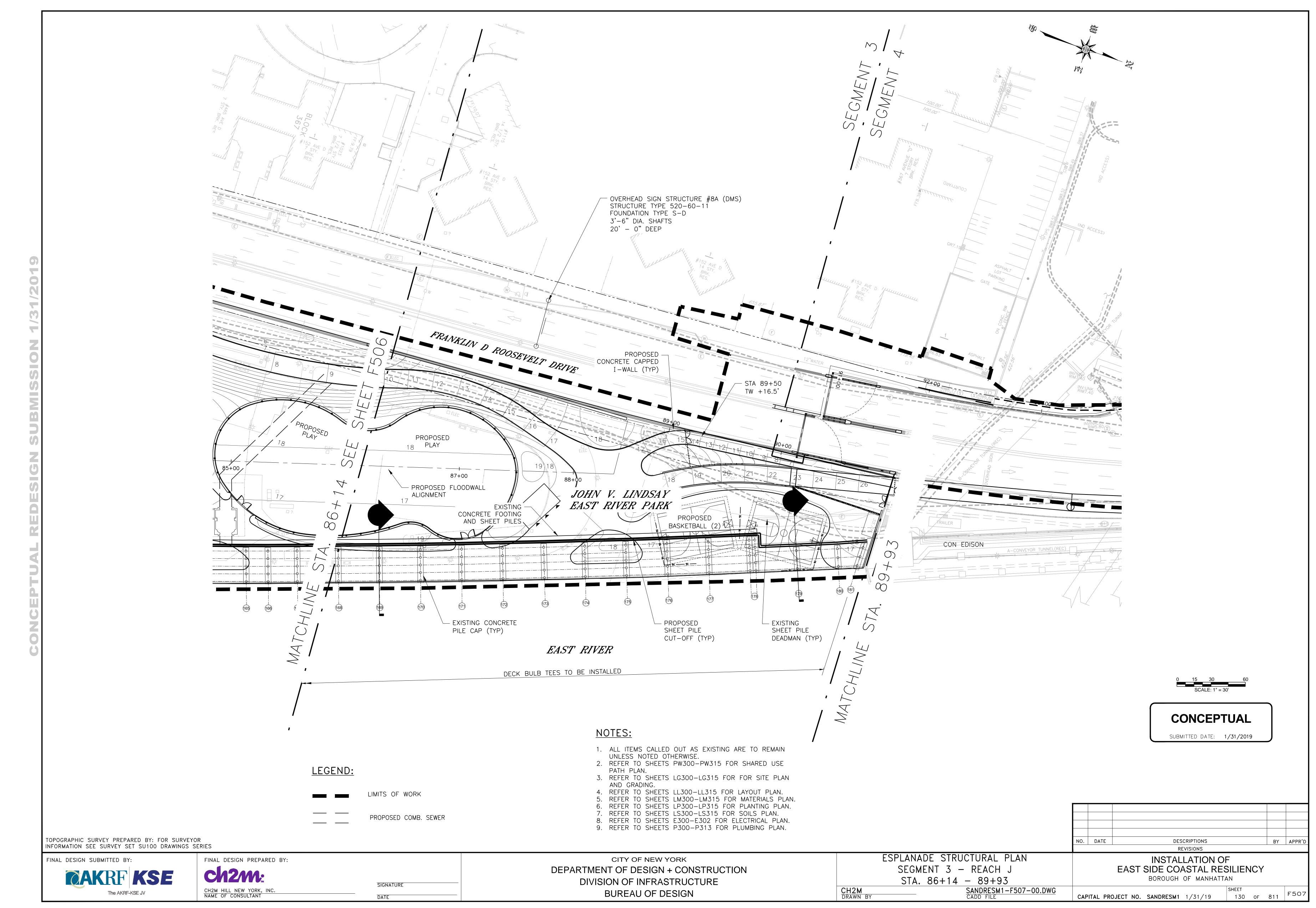


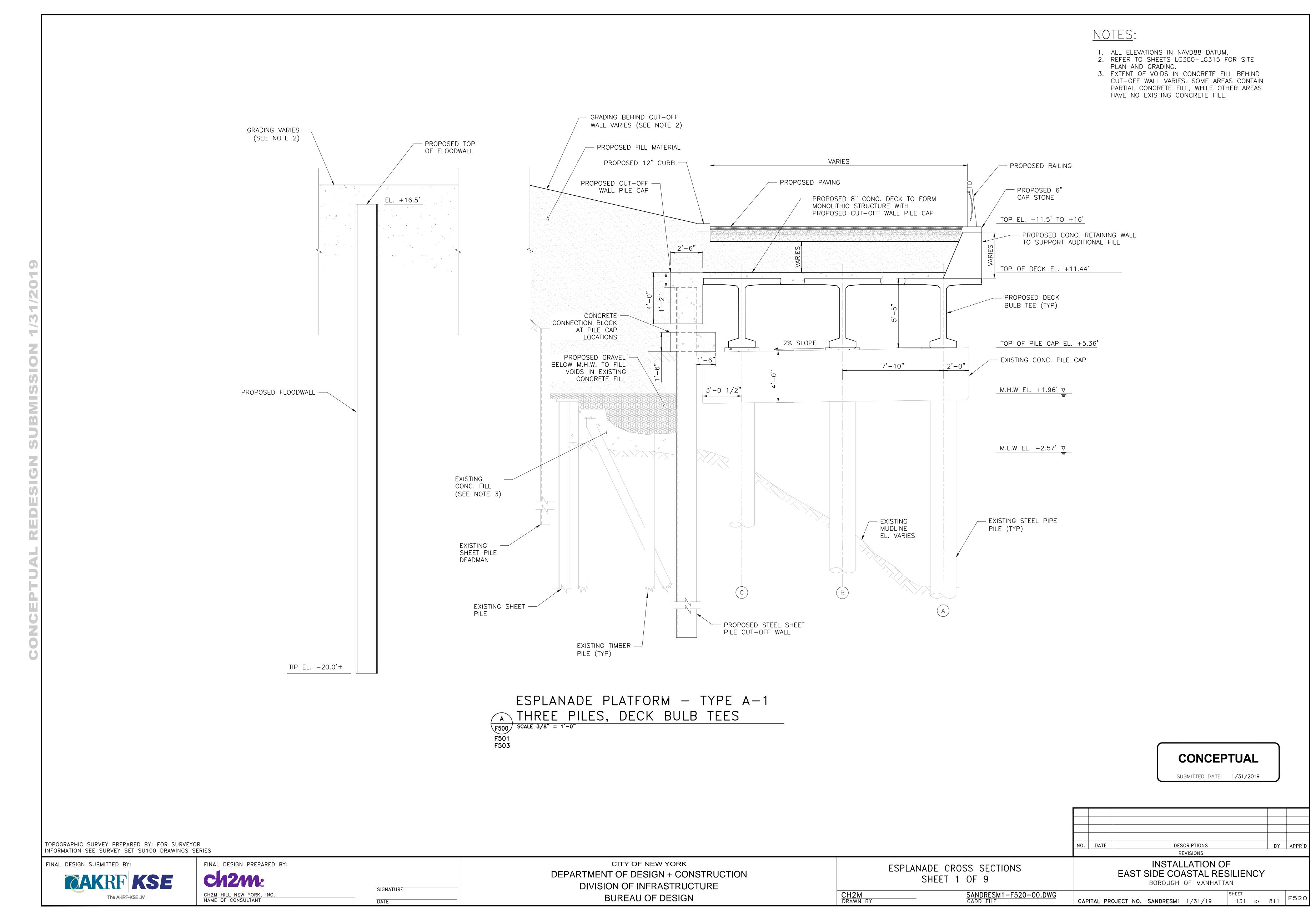


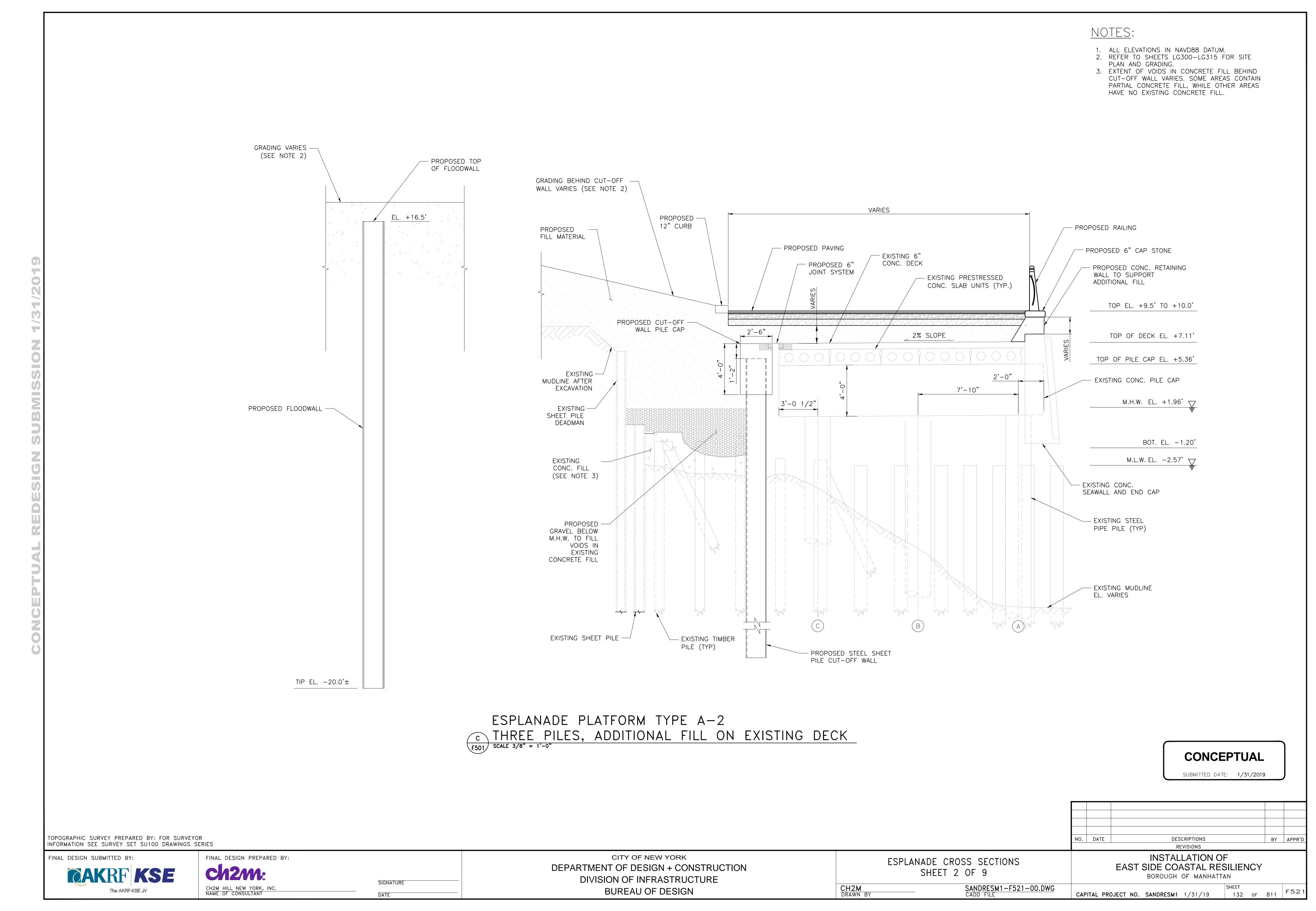


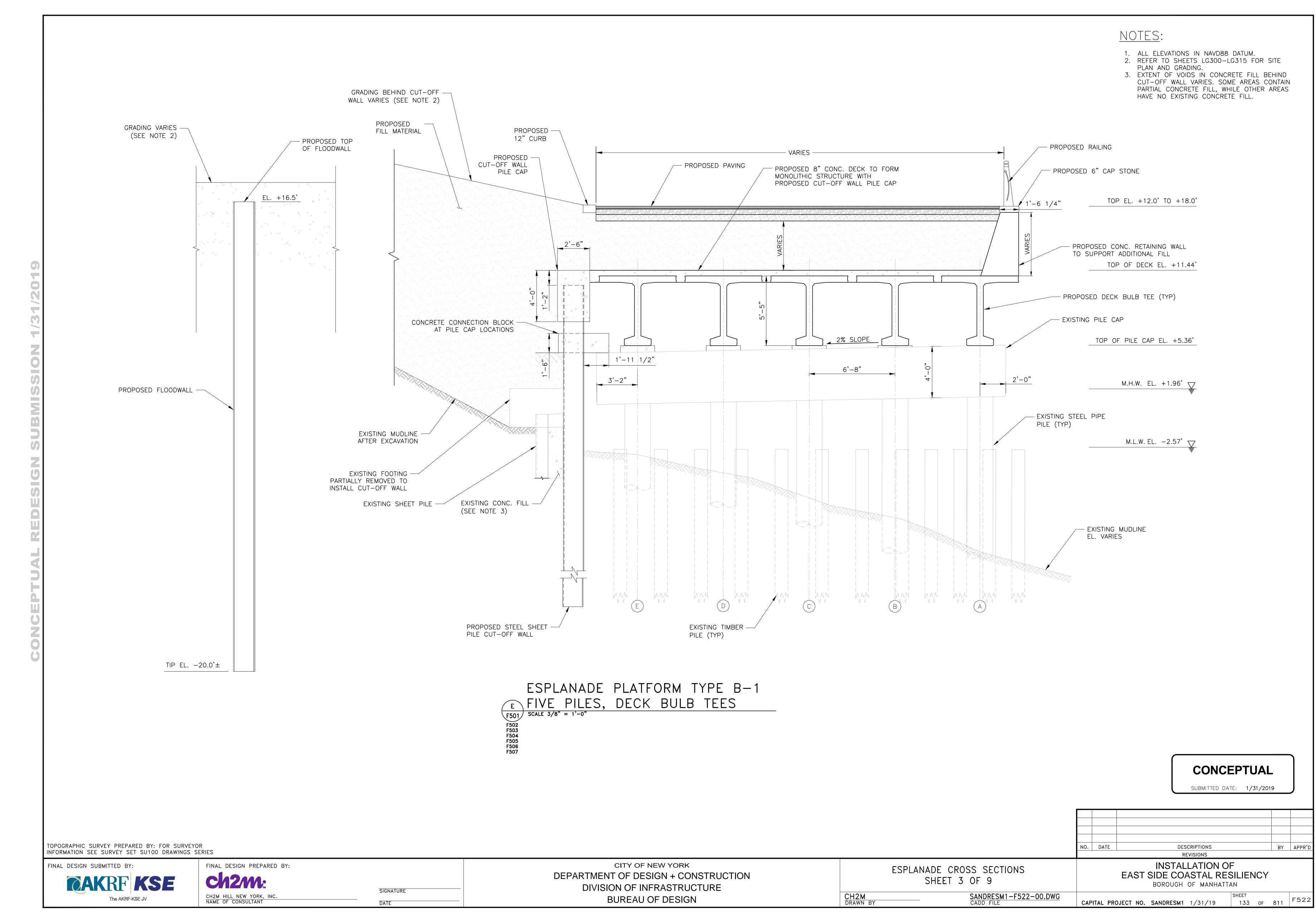


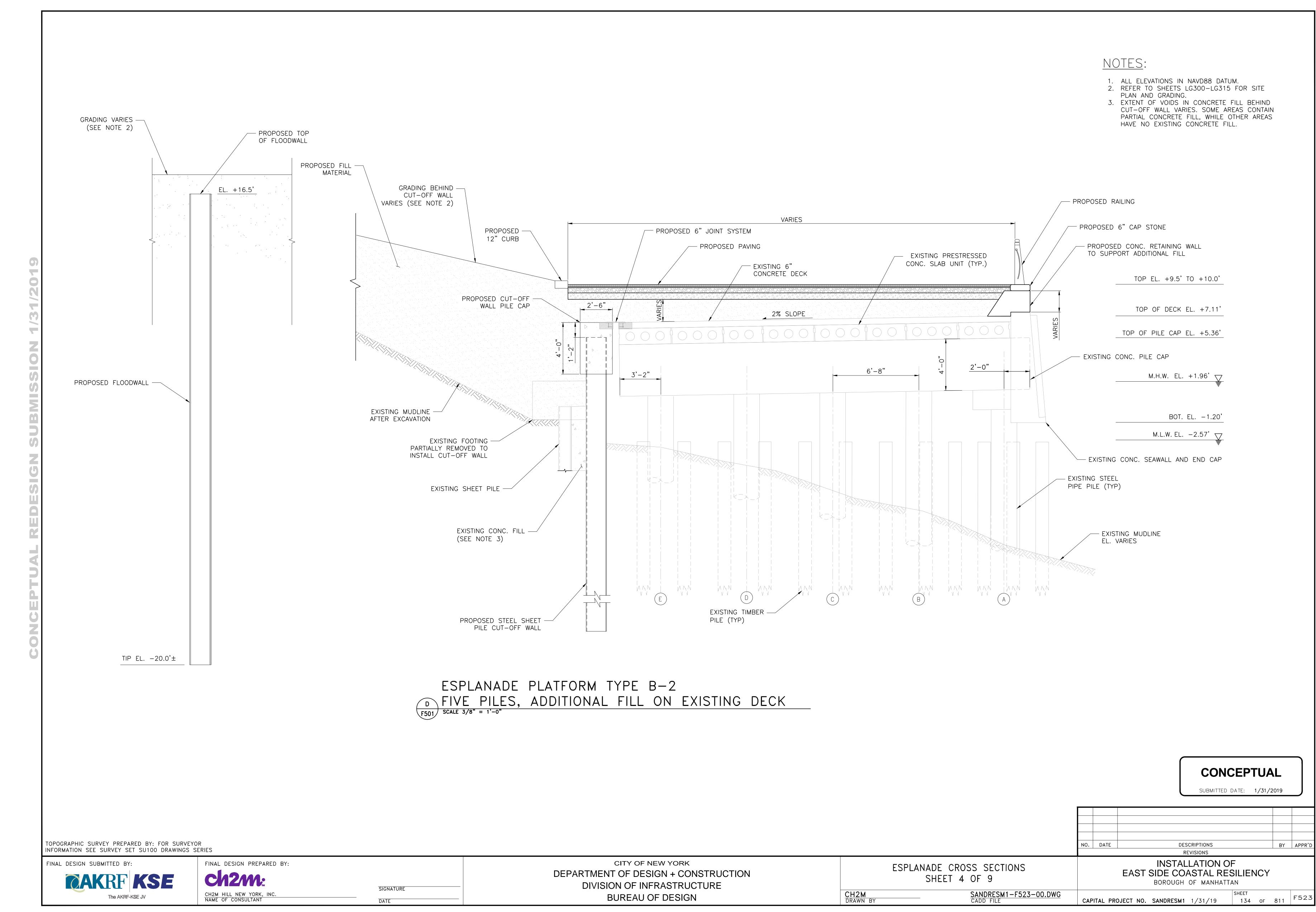


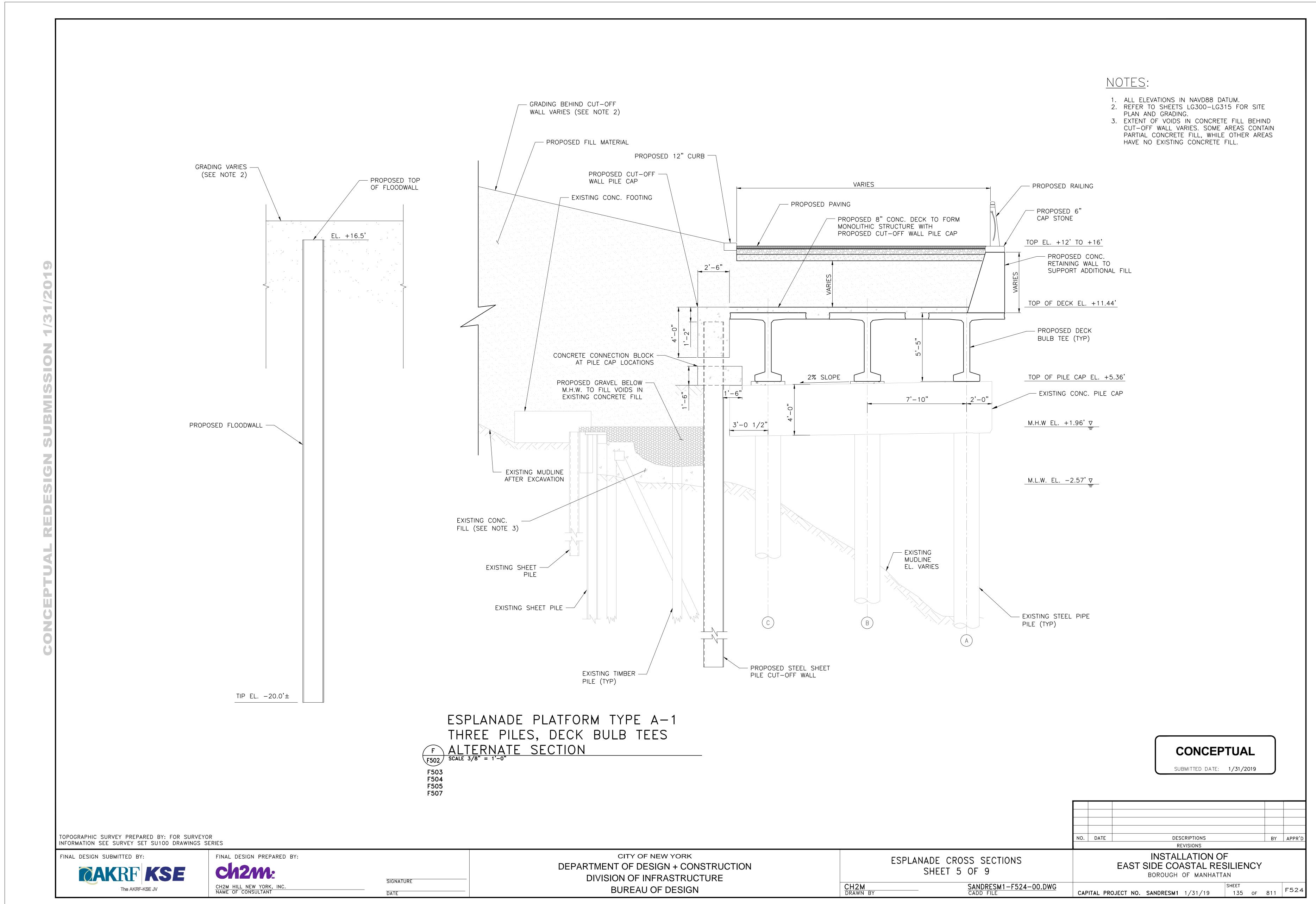


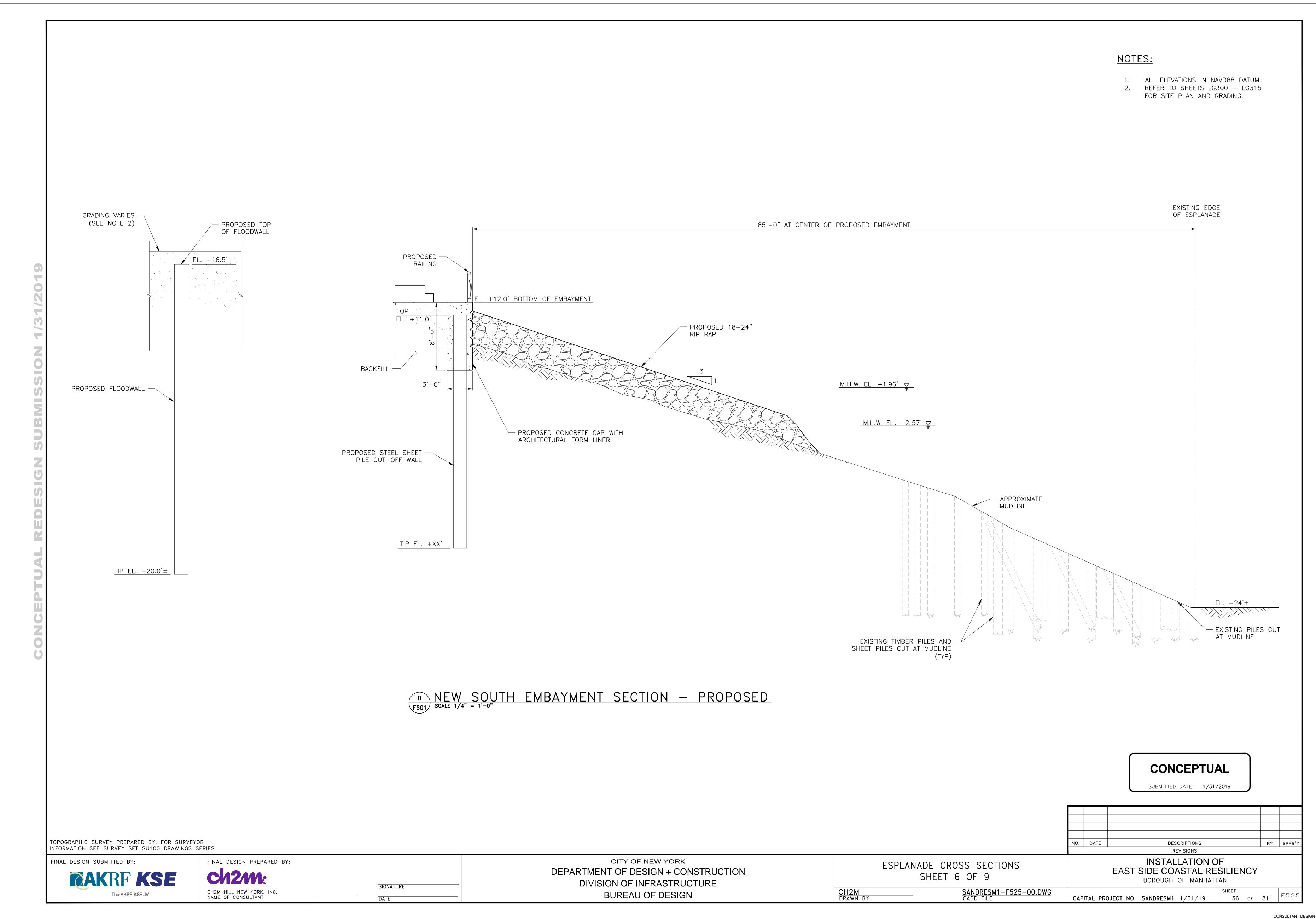












NOTES: ALL ELEVATIONS IN NAVD88 DATUM. REFER TO SHEETS LG300-LG315 FOR SITE PLAN AND GRADING. - PROPOSED RAILING 55'-6" ± GRADING VARIES — (SEE NOTE 2) - PROPOSED TOP GRADING VARIES — OF FLOODWALL (SEE NOTE 2) PROPOSED PAVING -PROPOSED 6" CAP STONE PROPOSED CONCRETE CAP EL. +16.5' <u> EL. +16.5°</u> TOP EL. +15.0' - PROPOSED PROPOSED 8" LIGHTWEIGHT FILL CONC. DECK - PROPOSED CONC. RETAINING WALL TO SUPPORT ADDITIONAL FILL - PROPOSED DECK BULB TEE (TYP) TOP OF PILE CAP EL. +4.7'± 7'-10" TYP. M.H.W. EL. +1.96' <u>▽</u> PROPOSED FLOODWALL — EXISTING CONCRETE -WALL TO REMAIN EXISTING CONC. PILE CAP M.L.W. EL. −2.57' <u></u> EXISTING STEEL — SHEETING TO REMAIN - EXISTING 42" SEWER TO REMAIN – EXISTING STEEL PIPE PILE (TYP.) 5'-0"± EXISTING PIPE INVERT EL. -9.5± — EXISTING STEEL SHEETING TO REMAIN APPROXIMATE EXISTING MUDLINE EXISTING PIPE -SUPPORT TO REMAIN 11'-8" ± <u>TIP EL. −20.0'±</u> EL. -24'± - PROPOSED COMBI CUT-OFF WALL TIP EL. G FILLING OF EXISTING SOUTH EMBAYMENT SECTION — PROPOSED F503 SCALE 1/4" = 1'-0" CONCEPTUAL SUBMITTED DATE: 1/31/2019 TOPOGRAPHIC SURVEY PREPARED BY: FOR SURVEYOR NO. DATE DESCRIPTIONS BY APPR'D INFORMATION SEE SURVEY SET SU100 DRAWINGS SERIES REVISIONS **INSTALLATION OF** FINAL DESIGN SUBMITTED BY: CITY OF NEW YORK FINAL DESIGN PREPARED BY: ESPLANADE CROSS SECTIONS EAST SIDE COASTAL RESILIENCY DEPARTMENT OF DESIGN + CONSTRUCTION

DIVISION OF INFRASTRUCTURE

BUREAU OF DESIGN

SIGNATURE

DATE

CAKRF KSE

CH2M HILL NEW YORK, INC.
NAME OF CONSULTANT

BOROUGH OF MANHATTAN

CAPITAL PROJECT NO. SANDRESM1 1/31/19 137 OF 811 F526

SHEET 7 OF 9

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SANDRESM1-F526-00.DWG

