

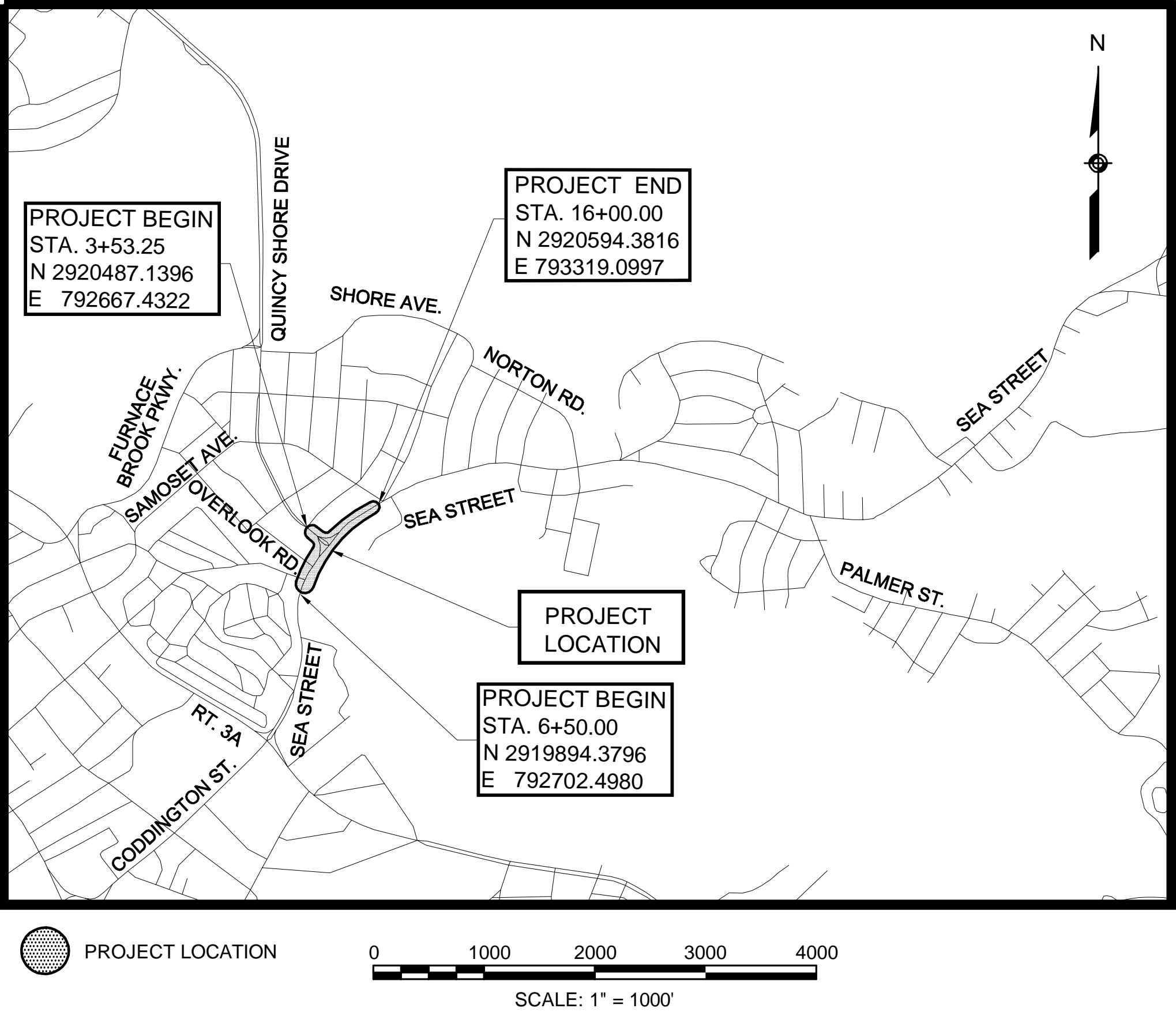
MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

PLAN AND PROFILE OF
TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS -
SEA STREET AND QUINCY SHORE DRIVE
IN THE CITY
QUINCY
NORFOLK COUNTY

FEDERAL AID PROJECT NO.

75% SUBMITTAL

INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2-3	TYPICAL SECTIONS
4-6	CRITICAL PROFILES
7	PARCEL SUMMARY SHEET
8	LOCATION PLAN
9-11	PROPERTY PLANS



LENGTH OF PROJECT = 950.00 FEET = 0.180 MILES

QUINCY


SEA STREET - QUINCY SHORE DRIVE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		1	11
PROJECT FILE NO.		608013	

PRELIMINARY RIGHT OF WAY
TITLE SHEET & INDEX

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1988, AS AMENDED, THE SUPPLEMENTAL SPECIFICATIONS DATED JULY 1, 2015, THE 2016 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, WILL GOVERN.

10/16/2017	75% SUBMISSION	2
5/20/2016	REV 1ST DPH COMMENTS	1
4/22/2016	25% SUBMISSION	0
DATE	DESCRIPTION	REV #

 Massachusetts Department of Transportation Highway Division	
RECOMMENDED FOR APPROVAL	
_____ CHIEF ENGINEER	_____ DATE
APPROVED	
_____ HIGHWAY ADMINISTRATOR	_____ DATE

PREPARED BY:

BETA
www.BETA-inc.com

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR

DATE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		2	11
PROJECT FILE NO.		608013	

PRELIMINARY RIGHT OF WAY
TYPICAL SECTIONS

PAVEMENT NOTES

FULL DEPTH PAVEMENT BOX WIDENING

SURFACE COURSE: 2.5" SUPERPAVE SURFACE COURSE 12.5 (SSC-12.5) OVER
INTERMEDIATE COURSE: 2.5" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0) OVER
BASE COURSE: 4" SUPERPAVE BASE COURSE 37.0 (SBC-37.0) OVER
SUB-BASE: 4" DENSE GRADED CRUSHED STONE OVER 8" GRAVEL BORROW, TYPE b

FULL DEPTH PAVEMENT BOX WIDENING ≤4' WIDE

SURFACE COURSE: 2.5" SUPERPAVE SURFACE COURSE 12.5 (SSC-12.5) OVER
INTERMEDIATE COURSE: 2.5" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0) OVER
BASE COURSE: 6" HES CEMENT CONCRETE BASE COURSE OVER
SUB-BASE: 8" GRAVEL BORROW, TYPE b

PAVEMENT MILLING AND OVERLAY

SURFACE COURSE: 2.5" SUPERPAVE SURFACE COURSE 12.5 (SSC-12.5) OVER
PAVEMENT MILLING: 2.5" PAVEMENT MICROMILLING

CEMENT CONCRETE SIDEWALKS AND WHEELCHAIR RAMPS

SURFACE: 4" CEMENT CONCRETE WALK SURFACE
4000 PSI, 3/4", 610 OVER
FOUNDATION: 8" GRAVEL BORROW, TYPE b
SURFACE: 1-1/4" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5) OVER
1-1/4" SUPERPAVE INTERMEDIATE COURSE 12.5 (SIC-12.5) OVER
FOUNDATION: 8" GRAVEL BORROW, TYPE b

HMA WALKS

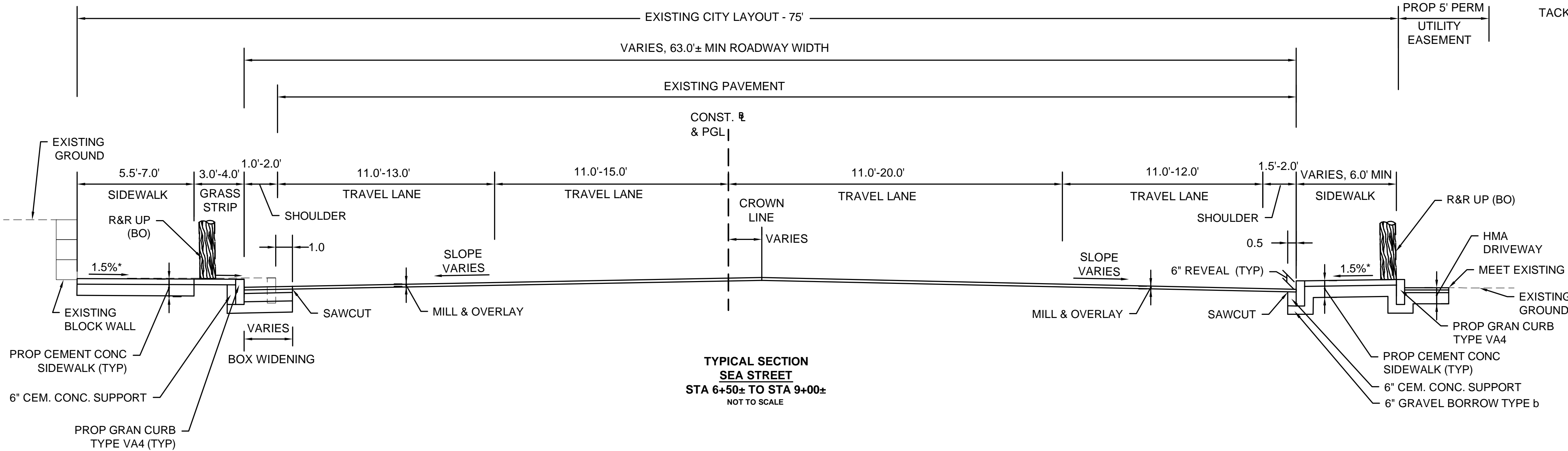
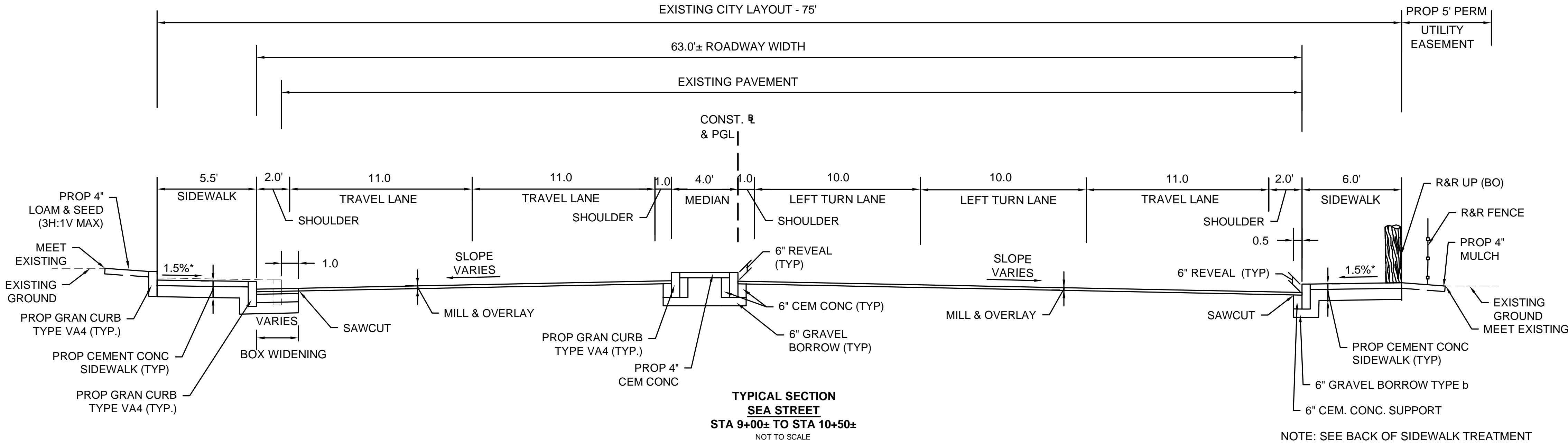
SURFACE: 1-1/4" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5) OVER
1-1/4" SUPERPAVE INTERMEDIATE COURSE 12.5 (SIC-12.5) OVER
FOUNDATION: 8" GRAVEL BORROW, TYPE b

CEMENT CONCRETE SIDEWALK AT DRIVEWAYS

SURFACE COURSE: 6" CEMENT CONCRETE SURFACE
4000 PSI, 3/4", 610 OVER
BASE COURSE: 8" GRAVEL BORROW, TYPE b
SURFACE: 1-1/2" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5) OVER
2" SUPERPAVE INTERMEDIATE COURSE 12.5 (SIC-12.5) OVER
FOUNDATION: 8" GRAVEL BORROW, TYPE b

PROJECT TACK COAT NOTES

TACK COAT: ASPHALT EMULSION FOR TACK COAT, GRADE RS-1
SHALL BE PLACED AT A RATE OF:
0.07 GALLONS PER SQUARE YARD OVER MILLED SURFACES
0.07 GALLONS PER SQUARE YARD OVER CEMENT CONCRETE
BASE COURSE
0.05 GALLONS PER SQUARE YARD OVER SMOOTH TIGHT PAVEMENTS
PRIOR TO PAVING AN OVERLAY AND BETWEEN PAVEMENT
COURSES.

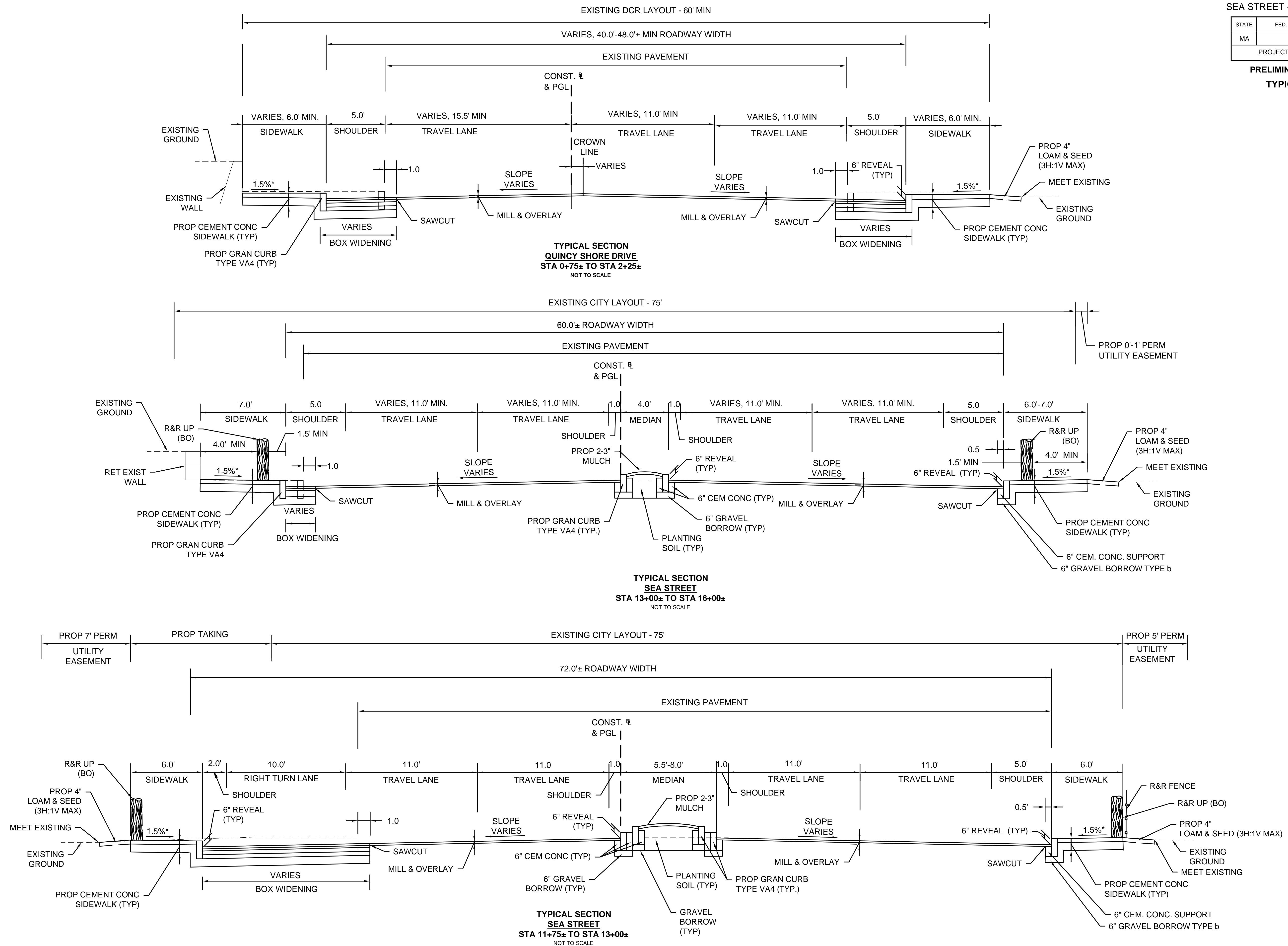


* TOLERANCE FOR CONSTRUCTION ±0.5%

QUINCY
SEA STREET - QUINCY SHORE DRIVE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		3	11
PROJECT FILE NO.		608013	

PRELIMINARY RIGHT OF WAY
TYPICAL SECTIONS

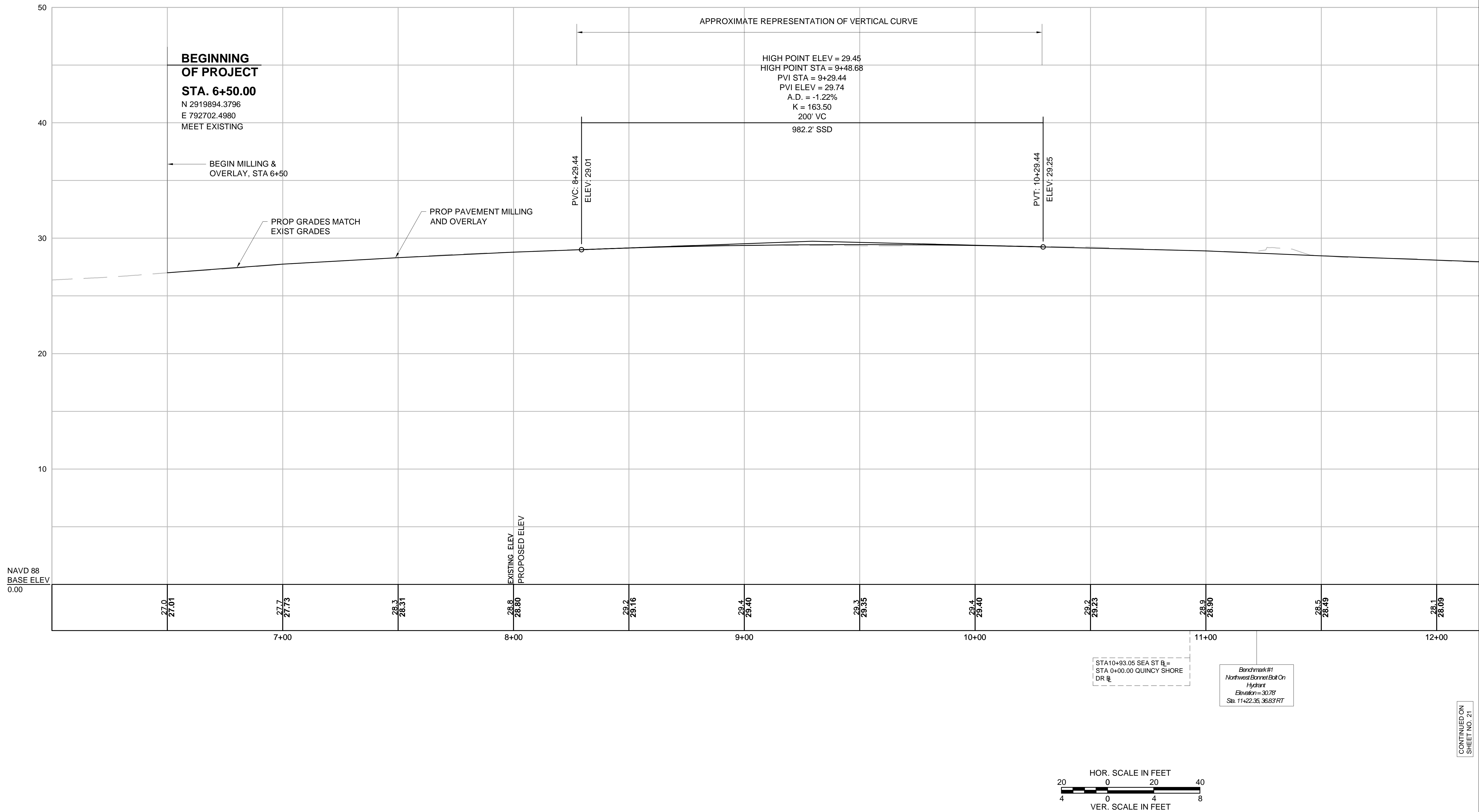


QUINCY
SEA STREET - QUINCY SHORE DRIVE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		4	11

PROJECT FILE NO. 608013

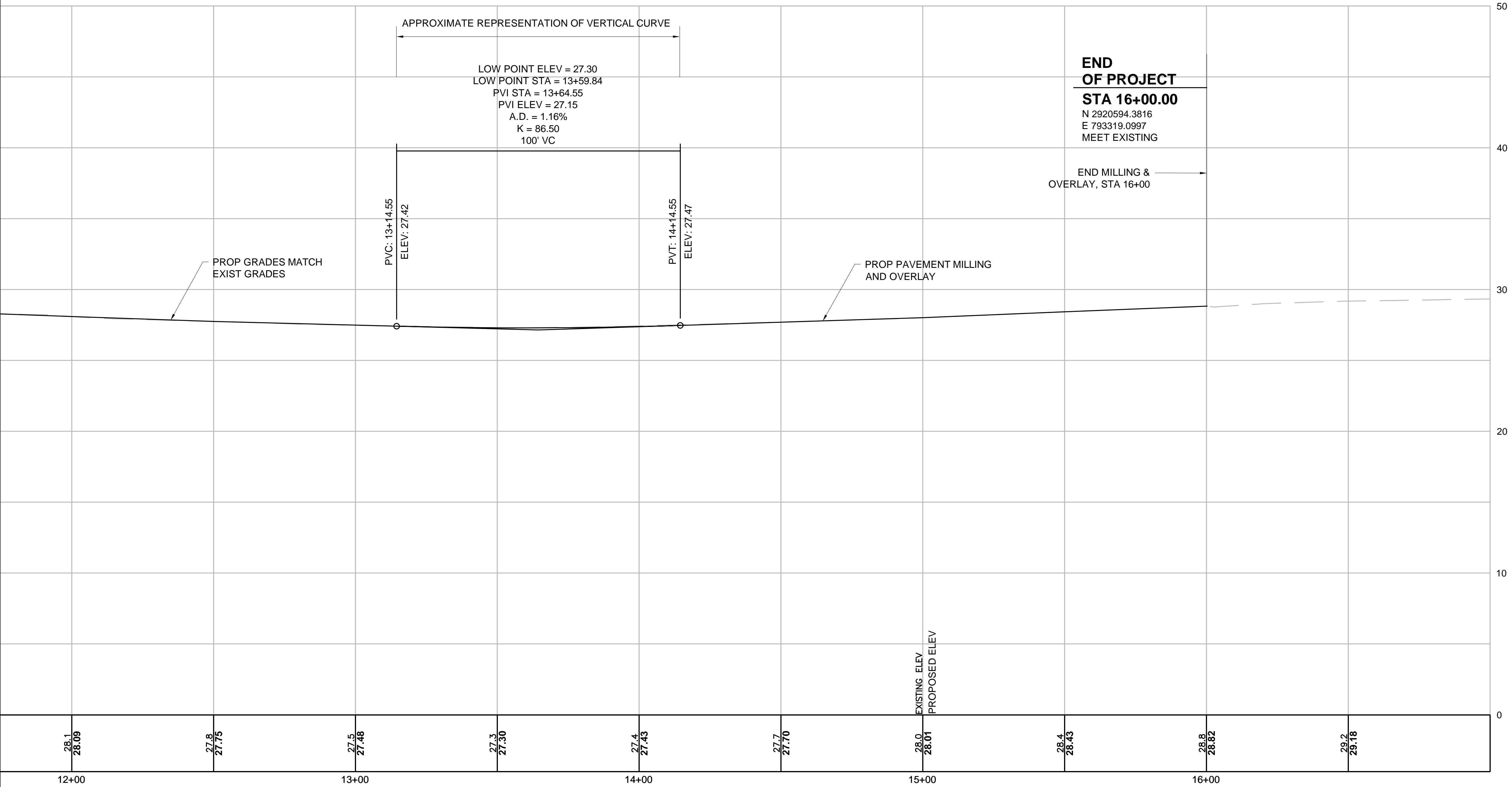
PRELIMINARY RIGHT OF WAY
PROFILES



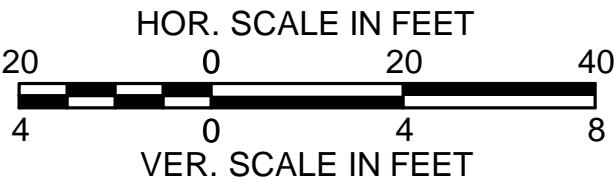
QUINCY
SEA STREET - QUINCY SHORE DRIVE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		5	11
PROJECT FILE NO.		608013	

PRELIMINARY RIGHT OF WAY
PROFILES



CONTINUED ON
SHEET NO. 20

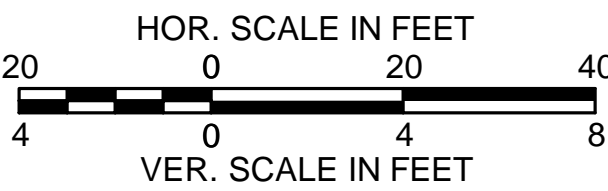
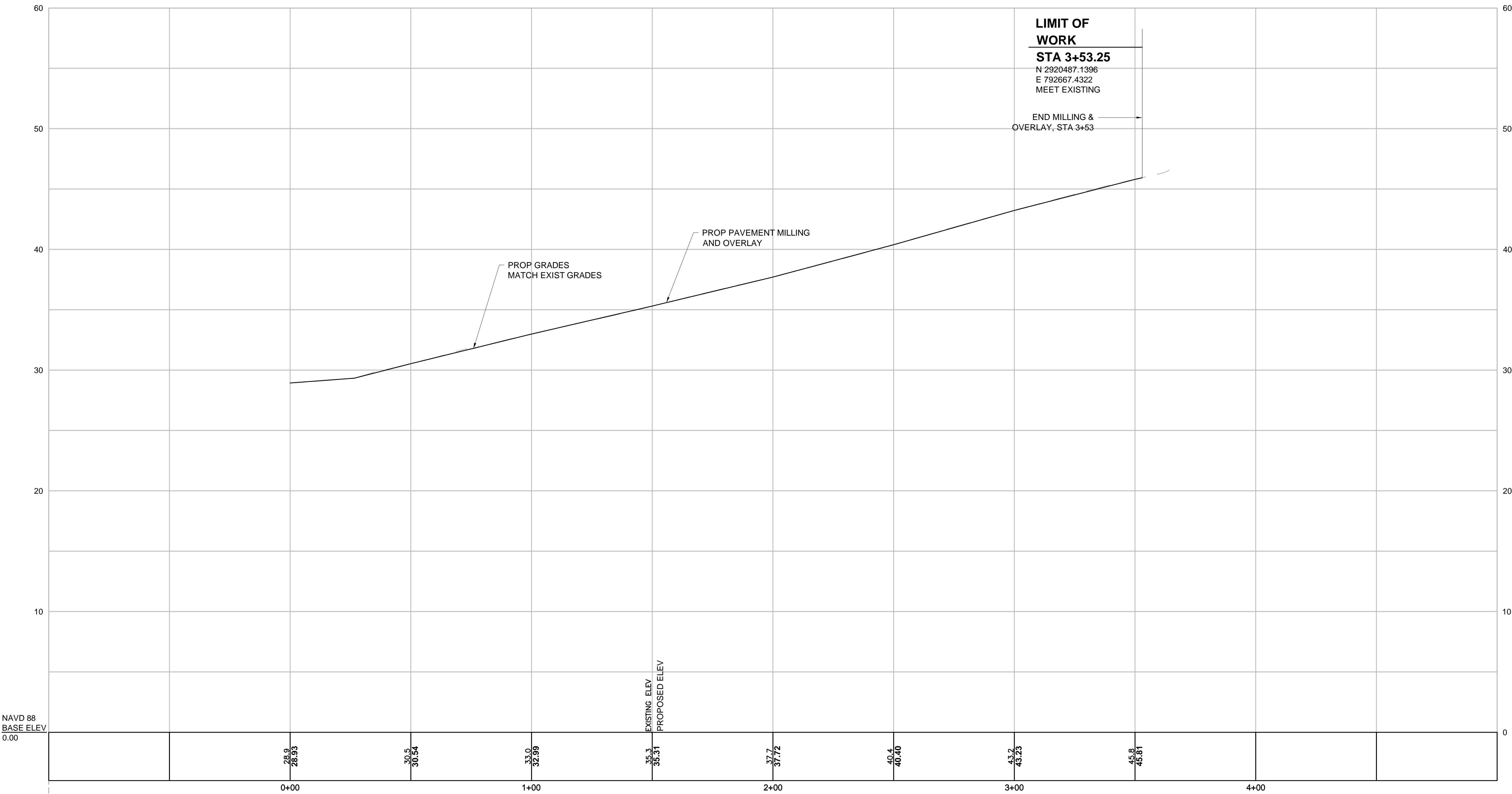


QUINCY
SEA STREET - QUINCY SHORE DRIVE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		6	11

PROJECT FILE NO. 608013

PRELIMINARY RIGHT OF WAY
PROFILES

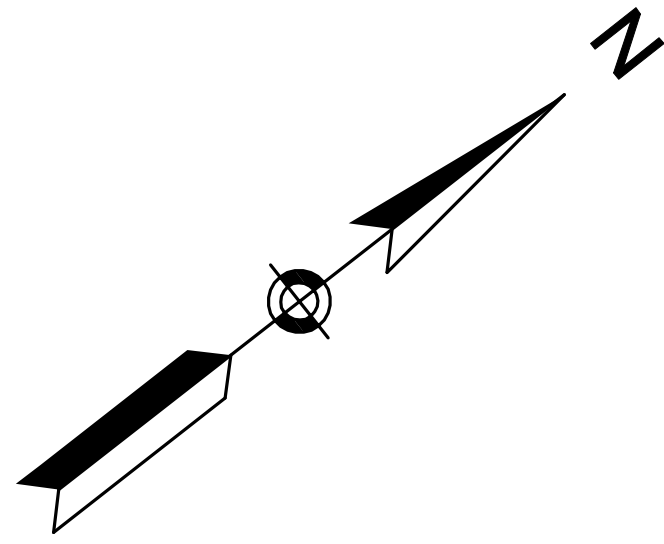


QUINCY
SEA STREET - QUINCY SHORE DRIVE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		7	11
PROJECT FILE NO.		608013	

PRELIMINARY RIGHT OF WAY
PARCEL SUMMARY SHEET

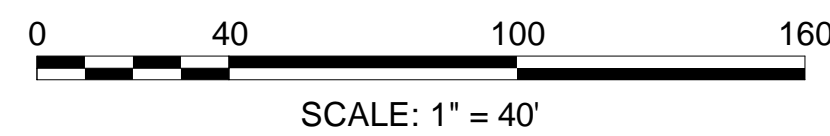
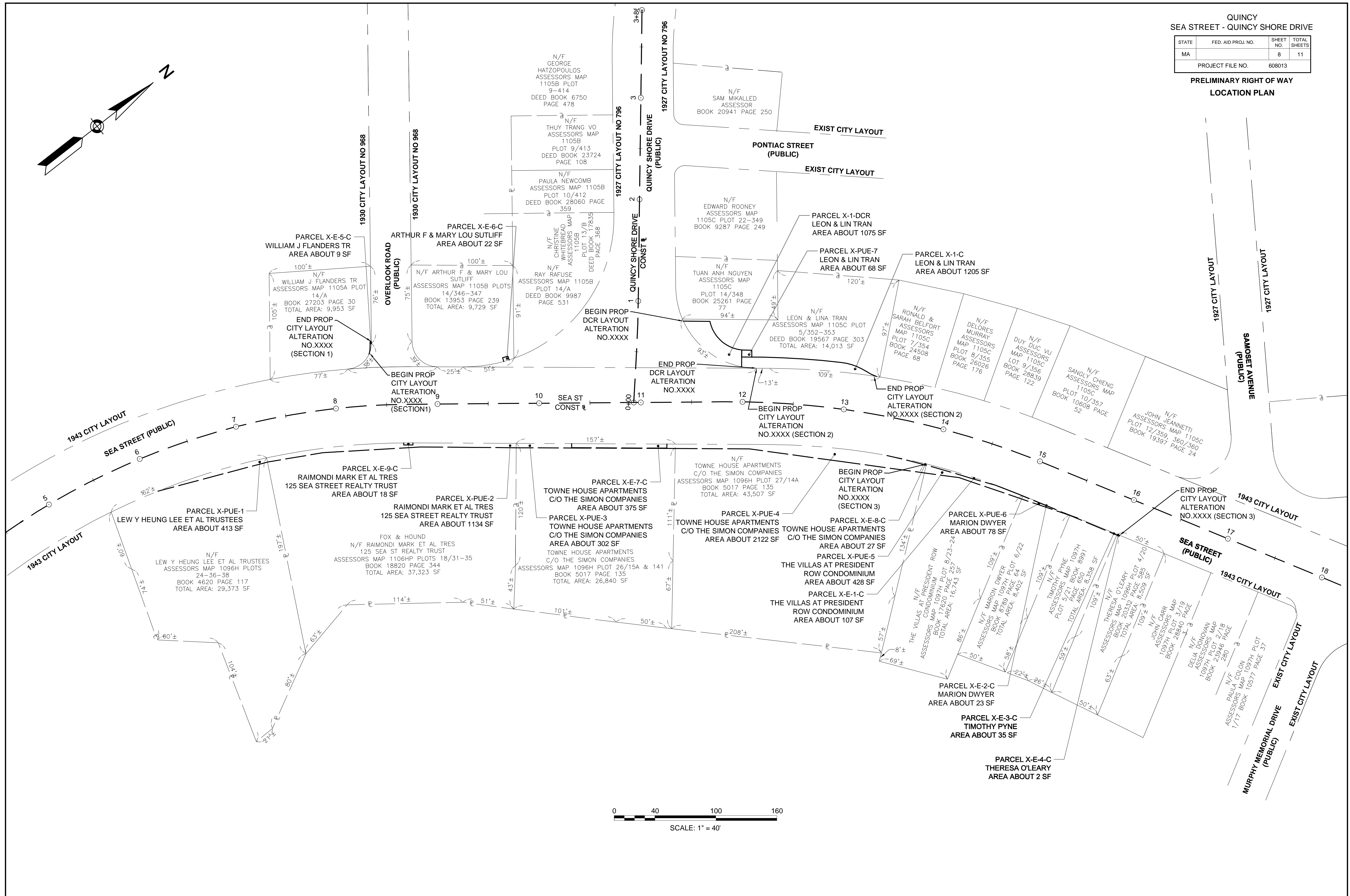
PARCEL NO.	PLAN SHEET NO.	TITLEHOLDER	TITLE REFERENCE				AREA (SF +/-)							TOTAL PROPERTY AREA (S.F.)	REMARKS
			DEED BOOK	PAGE NO.	L.C. CERT. NO.	CERT. NO.	TAKEN			EASEMENT		TOTAL TAKEN	REMAINING		
							CITY	COUNTY	STATE	TYPE	AREA				
X-PUE-1	6	LEW Y HEUNG LEE ET AL TRUSTEES	4620	117						PERM	413			29,373	AERIAL TRESSPASS
X-TE-1	6	LEW Y HEUNG LEE ET AL TRUSTEES	4620	117						TEMP	217				GRADING AND DRIVEWAY WORK
X-E-9-C		RAIMONDI MARK ET AL TRES 125 SEA STREET REALT TRUST	18820	344						PERM	18				ADA CLEARANCE FOR SIDEWALKS PER MBTA
X-PUE-2	6	RAIMONDI MARK ET AL TRES 125 SEA STREET REALT TRUST	18820	344						PERM	1,134			37,323	AERIAL TRESSPASS
X-TE-2	6	RAIMONDI MARK ET AL TRES 125 SEA STREET REALT TRUST	18820	344						TEMP	1,163				GRADING AND DRIVEWAY WORK
X-E-7-C	6	TOWNE HOUSE APARTMENTS C/O THE SIMON COMPANIES	5017	135						PERM	375			26,840	TRAFFIC SIGNAL EQUIPMENT
X-PUE-3	6	TOWNE HOUSE APARTMENTS C/O THE SIMON COMPANIES	5017	135						PERM	302				AERIAL TRESSPASS AND UTILITY POLE RELOCATION
X-TE-3	6	TOWNE HOUSE APARTMENTS C/O THE SIMON COMPANIES	5017	135						TEMP	889				GRADING, SLOPE, AND DRIVEWAY WORK
X-E-8-C	7	TOWNE HOUSE APARTMENTS C/O THE SIMON COMPANIES	5017	135						PERM	27			43,507	SIDEWALK ALTERATION/INSTALLATION
X-PUE-4	7	TOWNE HOUSE APARTMENTS C/O THE SIMON COMPANIES	5017	135						PERM	2,122				AERIAL TRESSPASS AND UTILITY POLE RELOCATION
X-TE-4	7	TOWNE HOUSE APARTMENTS C/O THE SIMON COMPANIES	5017	135						TEMP	795				GRADING, SLOPE, AND DRIVEWAY WORK
X-E-1-C	7	THE VILLAS AT PRESIDENT ROW CONDOMINIUM	17620	257						PERM	107			16,743	SIDEWALK ALTERATION/INSTALLATION ADA CLEARANCE FOR SIDEWALKS PER MBTA
X-PUE-5	7	THE VILLAS AT PRESIDENT ROW CONDOMINIUM	17620	257						PERM	428				AERIAL TRESSPASS
X-TE-6	7	THE VILLAS AT PRESIDENT ROW CONDOMINIUM	17620	257						TEMP	552				GRADING, SLOPE, AND DRIVEWAY WORK
X-E-2-C	7	MARION DWYER	8789	64						PERM	23			8,402	SIDEWALK ALTERATION/INSTALLATION
X-PUE-6	7	MARION DWYER	8789	64						PERM	78				AERIAL TRESSPASS
X-TE-7	7	MARION DWYER	8789	64						TEMP	290				GRADING, SLOPE, AND DRIVEWAY WORK
X-E-3-C	7	TIMOTHY PYNE	8991	650						PERM	35			8,358	SIDEWALK ALTERATION/INSTALLATION
X-TE-8	7	TIMOTHY PYNE	8991	650						TEMP	388				GRADING, SLOPE, AND DRIVEWAY WORK
X-E-4-C	7	THERESA O'LEARY	20332	585						PERM	2			8,509	SIDEWALK ALTERATION/INSTALLATION
X-E-5-C	6	WILLIAM J FLANDERS TR	27203	30						PERM	9			9,953	SIDEWALK ALTERATION/INSTALLATION
X-TE-10	6	WILLIAM J FLANDERS TR	27203	30						TEMP	638				GRADING AND DRIVEWAY WORK
X-E-6-C	6	ARTHUR F & MARY LOU SUTLIFF	13953	239						PERM	22			9,729	MAST ARM
X-TE-11	6	ARTHUR F & MARY LOU SUTLIFF	13953	239						TEMP	1,057				GRADING AND SLOPE WORK
X-TE-12	6	RAY REFUSE	9987	531						TEMP	211				DRIVEWAY WORK
X-TE-13	6	CHRISTINE WHITEBREAD	17835	368						TEMP	77				DRIVEWAY WORK
X-TE-14A	8	PAULA NEWCOMB	28060	359						TEMP	84				DRIVEWAY WORK
X-TE-14B	8	PAULA NEWCOMB	28060	359						TEMP	37				REBUILDING STEPS
X-TE-15	8	THUY TRANG VO	23724	108						TEMP	222				GRADING AND SLOPE WORK
X-TE-16	8	GEORGE HATZOPOULOS	6750	478						TEMP	533				GRADING AND DRIVEWAY WORK
X-TE-17	8	SAM MIKALLED	20941	250						TEMP	234				GRADING AND SLOPE WORK
X-TE-18	8	EDWARD ROONEY	9287	249						TEMP	669				GRADING, SLOPE, AND DRIVEWAY WORK
X-TE-19	7,8	TUAN ANH NGUYEN	25261	77						TEMP	258				GRADING, SLOPE, AND DRIVEWAY WORK
X-1-C	7	LEON & LIN TRAN	19567	303				834		PERM	1,205	1,790	12,223	14,013	RIGHT TURN LANE
X-1-DCR	7	LEON & LIN TRAN	19567	303				956		PERM	1,075				RIGHT TURN LANE
X-PUE-7	7	LEON & LIN TRAN	19567	303						PERM	68				UTILITY POLE RELOCATION
X-TE-20	7	LEON & LIN TRAN	19567	303						TEMP	1,459				GRADING, SLOPE, AND DRIVEWAY WORK
X-TE-21	7	RONALD & SARAH BELFORT	24508	68						TEMP	491				GRADING AND DRIVEWAY WORK
X-TE-22	7	DELORES MURRAY	26026	176						TEMP	229				GRADING AND DRIVEWAY WORK
X-TE-23	7	DUY DUC VU	28839	122						TEMP	170				GRADING AND DRIVEWAY WORK
X-TE-25	7	JOHN JEANNETTI	19397	24						TEMP	318				GRADING AND DRIVEWAY WORK

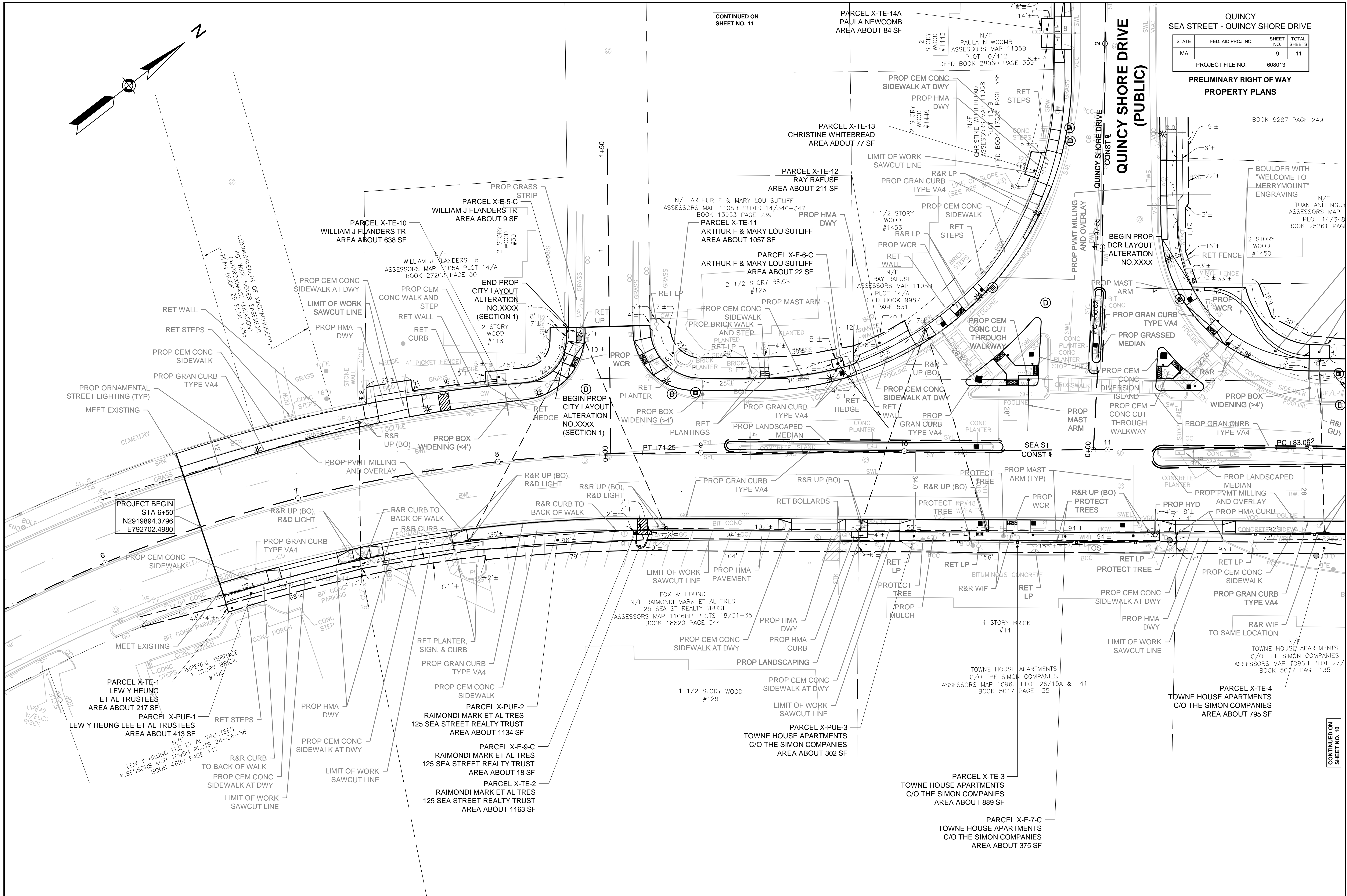


QUINCY
SEA STREET - QUINCY SHORE DRIVE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		8	11
PROJECT FILE NO.		608013	

PRELIMINARY RIGHT OF WAY
LOCATION PLAN





CONTINUED ON
SHEET NO. 11

PARCEL X-TE-14A
PAULA NEWCOMB
AREA ABOUT 84 SF

PARCEL X-TE-13
CHRISTINE WHITEBREAD
AREA ABOUT 77 SF

PARCEL X-TE-12
RAY RAFUSE
AREA ABOUT 211 SF

PARCEL X-TE-11
ARTHUR F & MARY LOU SUTLIFF
AREA ABOUT 1057 SF

PARCEL X-E-6-C
ARTHUR F & MARY LOU SUTLIFF
AREA ABOUT 22 SF

PARCEL X-E-5-C
WILLIAM J FLANDERS TR
AREA ABOUT 9 SF

PARCEL X-TE-10
WILLIAM J FLANDERS TR
AREA ABOUT 638 SF

PROJECT BEGIN
STA 6+50
N2919894.3796
E792702.4980

PARCEL X-TE-1
LEW Y HEUNG
ET AL TRUSTEES
AREA ABOUT 217 SF

PARCEL X-PUE-1
LEW Y HEUNG LEE ET AL TRUSTEES
AREA ABOUT 413 SF

PARCEL X-PUE-2
RAIMONDI MARK ET AL TRES
125 SEA STREET REALTY TRUST
AREA ABOUT 1134 SF

PARCEL X-E-9-C
RAIMONDI MARK ET AL TRES
125 SEA STREET REALTY TRUST
AREA ABOUT 18 SF

PARCEL X-TE-2
RAIMONDI MARK ET AL TRES
125 SEA STREET REALTY TRUST
AREA ABOUT 1163 SF

PARCEL X-PUE-3
TOWNE HOUSE APARTMENTS
C/O THE SIMON COMPANIES
AREA ABOUT 302 SF

PARCEL X-TE-3
TOWNE HOUSE APARTMENTS
C/O THE SIMON COMPANIES
AREA ABOUT 889 SF

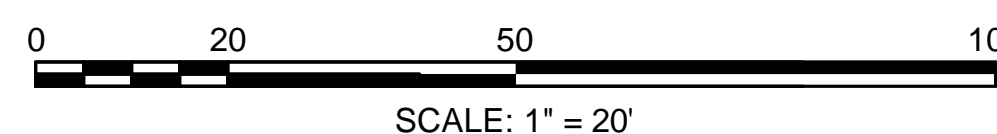
PARCEL X-E-7-C
TOWNE HOUSE APARTMENTS
C/O THE SIMON COMPANIES
AREA ABOUT 375 SF

QUINCY SEA STREET - QUINCY SHORE DRIVE			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		9	11
PROJECT FILE NO. 608013			
PRELIMINARY RIGHT OF WAY PROPERTY PLANS			

BOOK 9287 PAGE 249

N/F
TUAN ANH NGUY
ASSESSORS MAP
PLOT 14/348
BOOK 25261 PAGE 135

CONTINUED ON
SHEET NO. 10



**PRELIMINARY RIGHT OF WAY
PROPERTY PLANS**

