

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

NEWBURYPORT
NOCK MIDDLE SCHOOL AND
MOLIN UPPER ELEMENTARY SCHOOL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	1	11
PROJECT FILE NO.		608792	

PRELIMINARY RIGHT OF WAY
TITLE SHEET & INDEX

PLAN AND PROFILE OF
RUPERT A. NOCK MIDDLE SCHOOL AND EDWARD G. MOLIN UPPER ELEMENTARY SCHOOL
HIGH STREET (ROUTE 113)

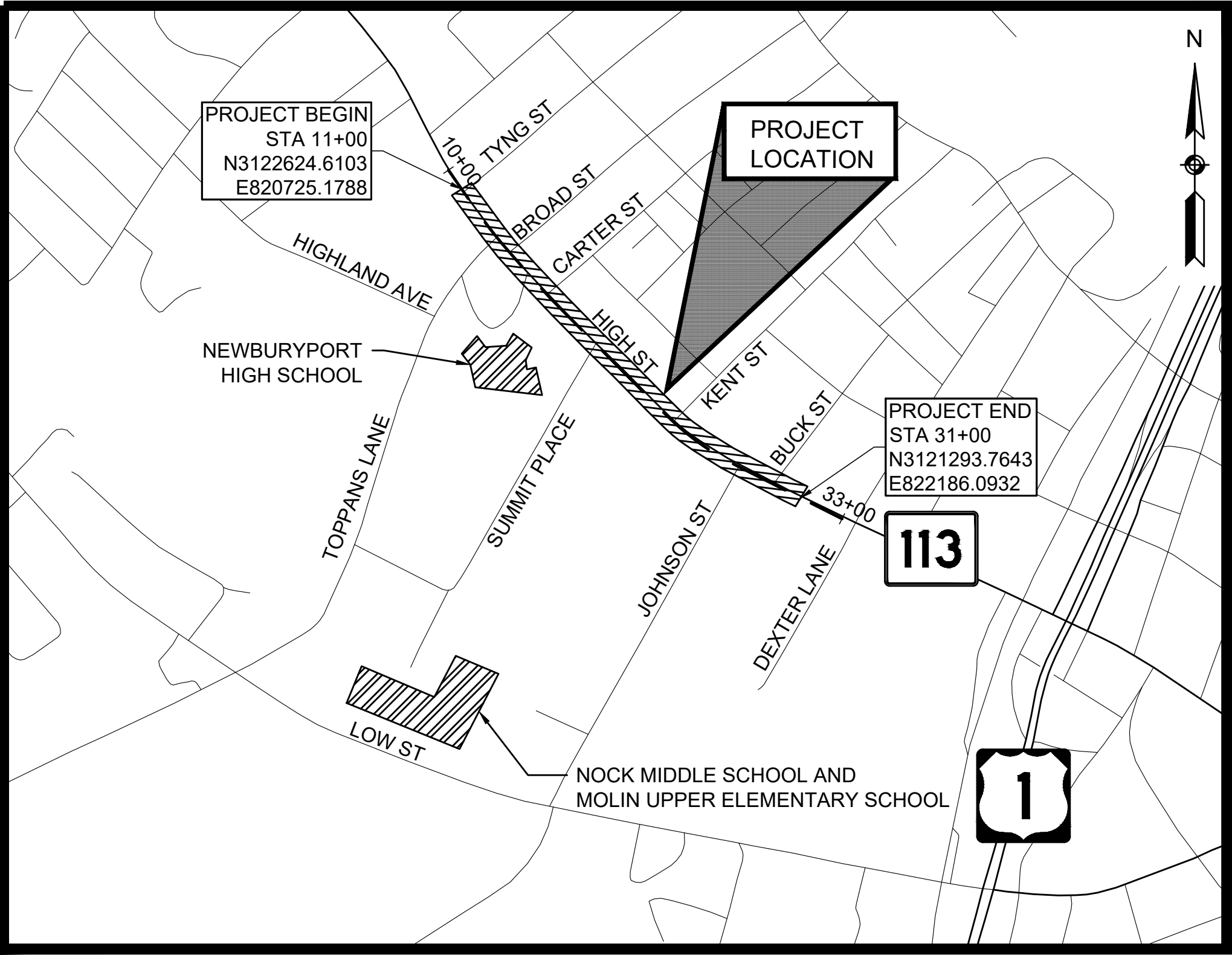
IN THE CITY OF
NEWBURYPORT
ESSEX COUNTY

FEDERAL AID PROJECT NO. -

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1988, AS AMENDED, THE SUPPLEMENTAL SPECIFICATIONS DATED JULY 1, 2015, THE OCTOBER 2017 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 WTH 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.

PRELIMINARY RIGHT OF WAY PLAN

INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2-3	TYPICAL SECTIONS
4	PROFILE
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7	LOCATION PLAN
8-11	PROPERTY PLANS



DESIGN DESIGNATION (HIGH STREET (ROUTE 113))

DESIGN SPEED	35 MPH
ADT (2017)	17,772
ADT (2024)	19,724
K	8.5%
D	52.8% NB
T (PEAK HOUR)	1.0%
T (AVERAGE DAY)	0.6%
DHV	1,083 VPH
DDHV	571 VPH
FUNCTIONAL CLASSIFICATION	URBAN PRINCIPAL ARTERIAL

01/28/19	REVISED PS&E SUBMITTAL	6
01/22/19	REVISED PS&E SUBMITTAL	5
01/07/19	PS&E SUBMITTAL	4
12/07/18	REVISED 100% SUBMITTAL	3
10/02/18	REVISED 100% SUBMITTAL	2
08/16/18	100% SUBMITTAL	1
10/20/17	25/75% SUBMITTAL	-
DATE	DESCRIPTION	REV #

0 500 1000 1500 2000
SCALE: 1" = 500'
LENGTH OF PROJECT = 2,000.00 FEET = 0.379 MILES

TEC, Inc.
146 Dascomb Road
Andover, MA 01810

Massachusetts Department of Transportation
Highway Division

RECOMMENDED FOR APPROVAL

CHIEF ENGINEER

DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED:

DIVISION ADMINISTRATOR

DATE

APPROVED

HIGHWAY ADMINISTRATOR

DATE

NEWBURYPORT
NOCK MIDDLE SCHOOL AND
MOLIN UPPER ELEMENTARY SCHOOL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	2	11
PROJECT FILE NO. 608792			

PRELIMINARY RIGHT OF WAY
TYPICAL SECTIONS - 1 OF 2

PAVEMENT NOTES

PROPOSED MILL & HOT MIX ASPHALT (HMA) OVERLAY

SURFACE: 1½" SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) OVER
1½" ±2" PAVEMENT MICROMILLING
(VARIABLE DEPTH AS REQUIRED TO MEET LINES AND PROPOSED GRADES)

PROPOSED FULL DEPTH PAVEMENT

SURFACE: 1½" SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) OVER
2¼" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) OVER
BASE: 4" SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5) OVER
SUBBASE: 4" DENSE GRADED CRUSHED STONE OVER
8" GRAVEL BORROW, TYPE b (COMPACTED)

PROPOSED PERMANENT PAVEMENT TRENCH PATCH

SURFACE: VARIABLE DEPTH HMA FOR PATCHING TO MATCH EXISTING PAVEMENT PER SECTION 450.53
(COMPACTED IN 2" (MAX) LIFTS TO MATCH EXIST PAVEMENT THICKNESS)

BASE: 8" GRAVEL BORROW, TYPE b (COMPACTED) OVER

SUBBASE: EXISTING MATERIAL SUITABLE FOR RE-USE (SEE VARIOUS TRENCH DETAILS)

PROPOSED TEMPORARY PAVEMENT TRENCH PATCH

SURFACE: 2½" HMA FOR MISCELLANEOUS WORK

BASE: EXISTING MATERIAL SUITABLE FOR RE-USE (SEE VARIOUS TRENCH DETAILS)

PROPOSED HMA DRIVEWAY (TO MATCH EXISTING)

SURFACE: 1½" SUPERPAVE SURFACE COURSE - 9.5 (SSC - 12.5) (ITEM 703) OVER
2" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5) (ITEM 703) OVER

BASE: EXCAVATE EXISTING HMA TO SAWCUT LINE,
FINE GRADE AND COMPACT EXISTING BASE;
ADD GRAVEL BORROW, TYPE b AS REQUIRED TO MATCH PROPOSED GRADES

PROPOSED CEMENT CONCRETE SIDEWALK THROUGH DRIVEWAY

SURFACE: 6" CEMENT CONCRETE (AIR ENTRAINED, 4000 PSI, ¾", 610)

BASE: 8" GRAVEL BORROW, TYPE b (COMPACTED)

PROPOSED CEMENT CONCRETE SIDEWALKS / WHEELCHAIR RAMPS / WALKWAYS /
REFUGE ISLANDS

SURFACE: 4" CEMENT CONCRETE (AIR ENTRAINED, 4000 PSI, ¾", 610)

BASE: 8" GRAVEL BORROW, TYPE b (COMPACTED)

PROPOSED BRICK SIDEWALKS / BRICK SIDEWALK THROUGH DRIVEWAY

SURFACE: WIRE CUT BRICK OVER
¾" SAND BORROW OVER
4" HMA INTERMEDIATE COURSE (ITEM 702) (FOR SIDEWALKS) OVER
(USE 6" HMA INTERMEDIATE COURSE (ITEM 703) FOR SIDEWALK THROUGH DRIVEWAY
COMPACTED IN 2" (MAX) LIFTS TO MATCH EXIST PAVEMENT THICKNESS)

BASE: 8" GRAVEL BORROW, TYPE b (COMPACTED)

PROPOSED PEASTONE DRIVEWAY & WALKWAY

SURFACE: 2" PEASTONE OVER

BASE: 8" GRAVEL BORROW, TYPE b (COMPACTED)

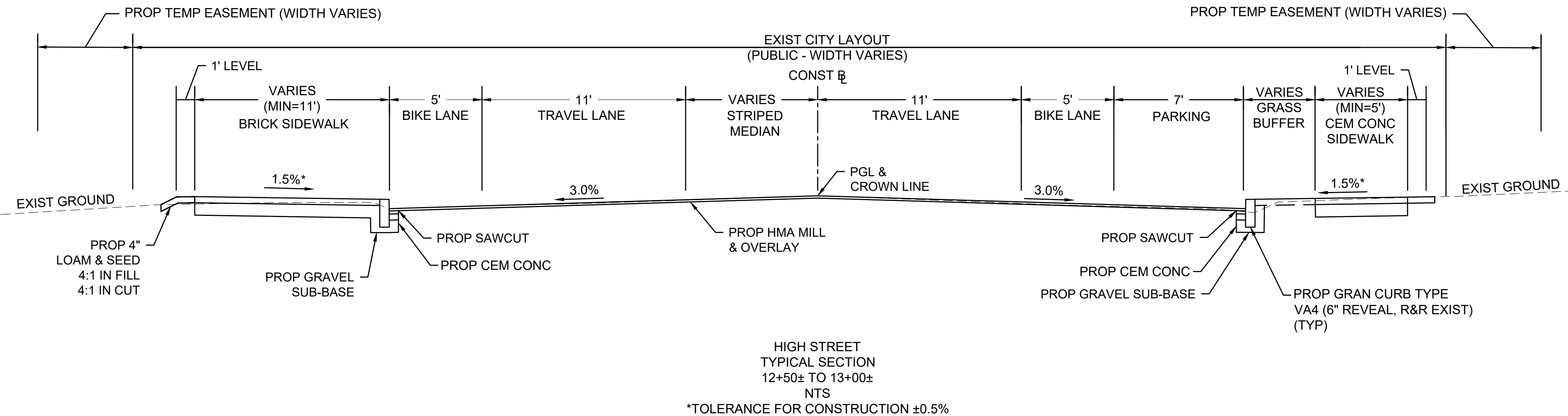
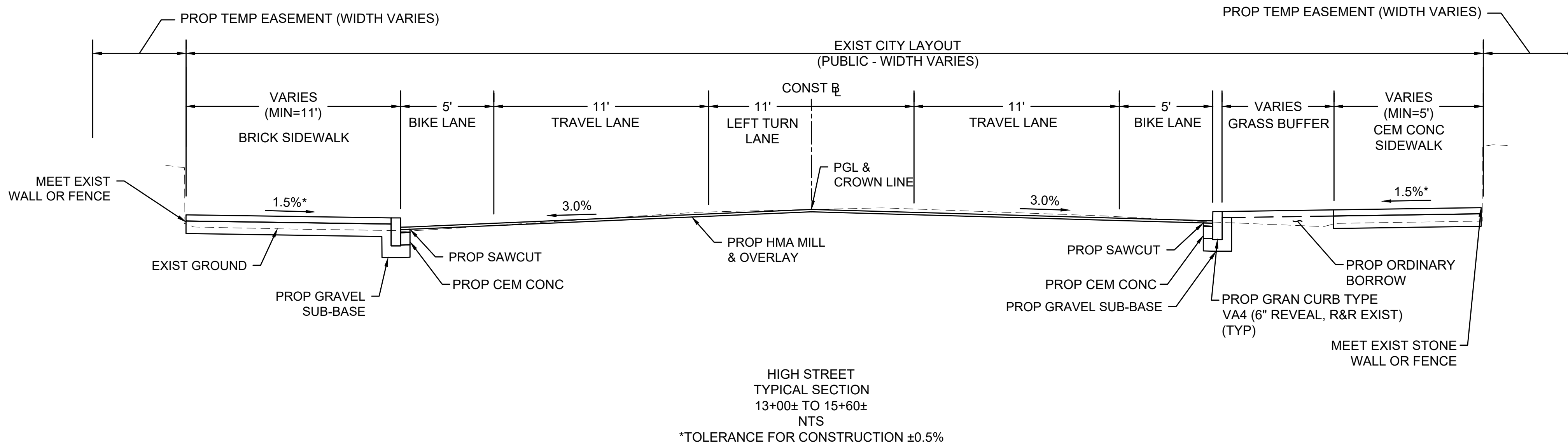
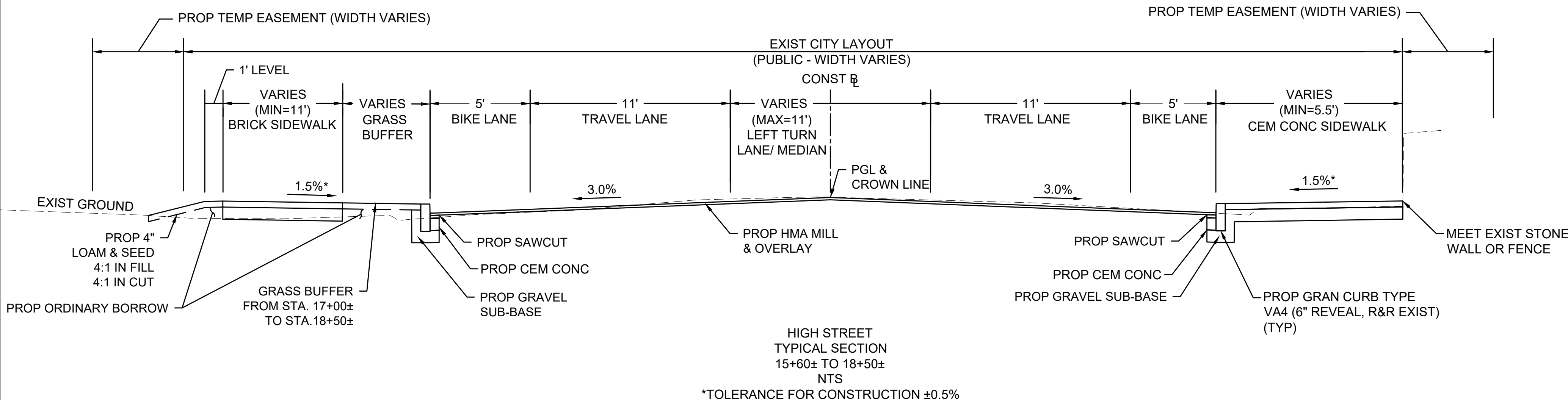
PROPOSED HMA SIDEWALK

SURFACE: 1" SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5) OVER
1½" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5) OVER

BASE: 8" GRAVEL BORROW, TYPE B (COMPACTED)

GENERAL PAVEMENT NOTES:

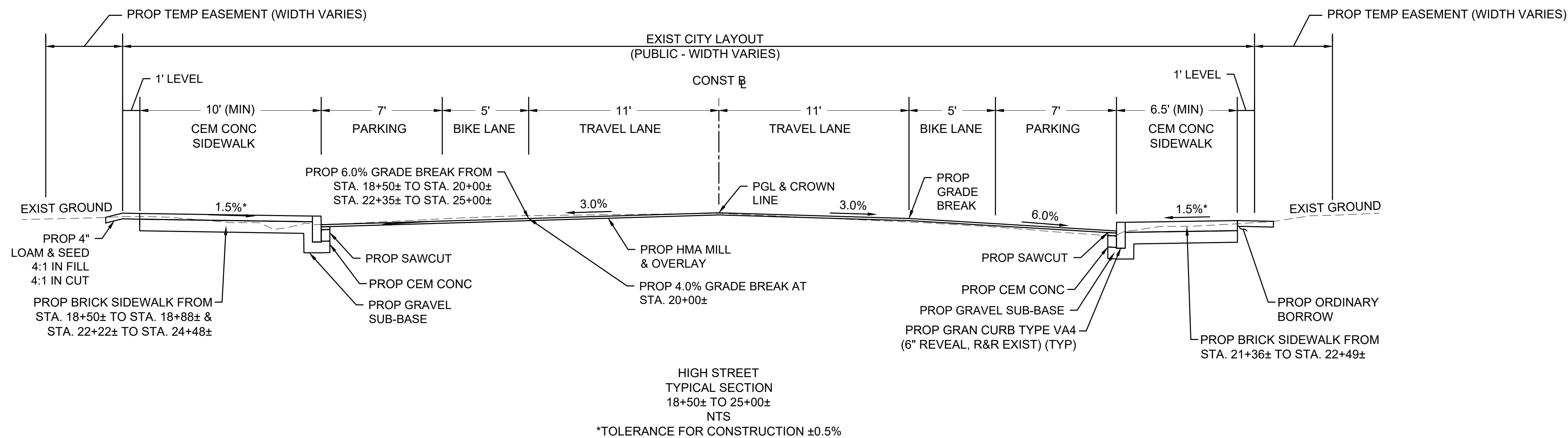
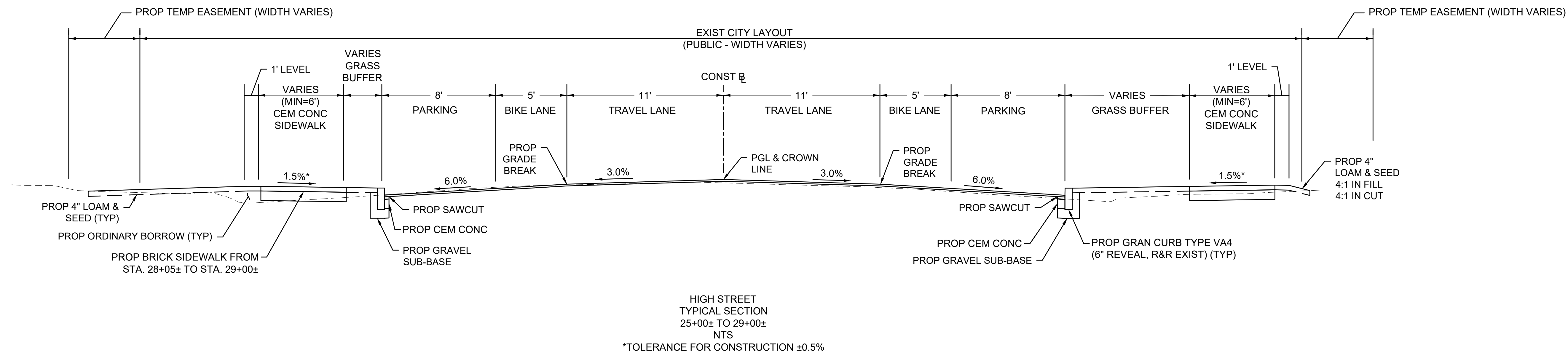
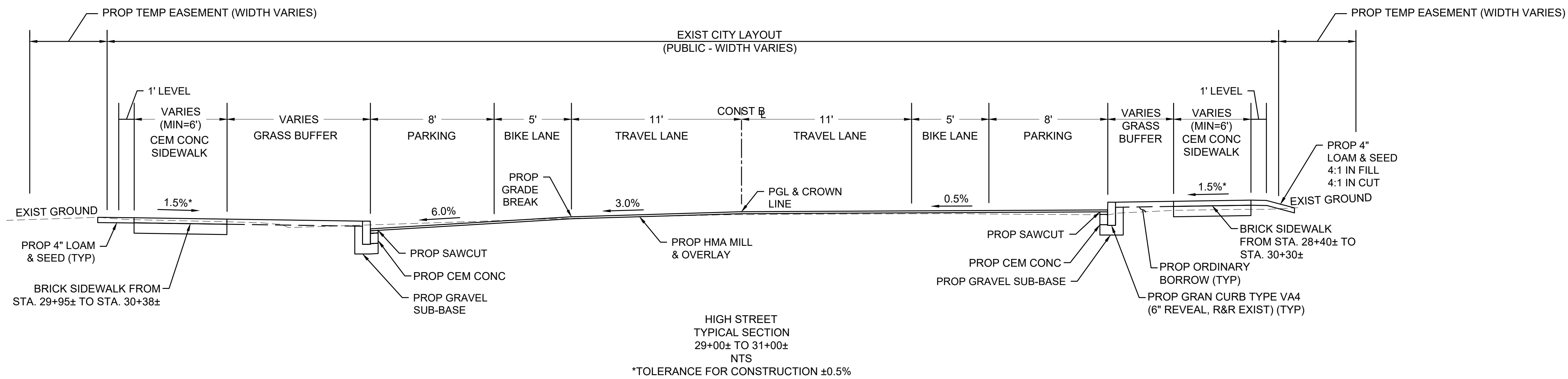
- ASPHALT EMULSION FOR TACK COAT SHALL BE APPLIED BETWEEN ALL ASPHALT SURFACES AND SAWCUT JOINTS BEFORE PAVING. HMA JOINT SEALANT SHALL BE APPLIED TO ALL COLD JOINTS (LONGITUDINAL AND TRANSVERSE) BEFORE PAVING SURFACE COURSE. ASPHALT EMULSION FOR TACK COAT SHALL BE APPLIED AT A RATE OF 0.05 GAL/SY, EXCEPT OVER MILLED AND CEMENT CONCRETE SURFACES, WHERE THE APPLICATION RATE SHALL BE 0.07 GAL/SY. ALL SURFACES SHALL BE CLEAN OF ALL ORGANICS, DEBRIS, AND SAND PRIOR TO PAVING.
- ALL HMA SHALL BE PRODUCED WITH WMA ADDITIVE.
- ALL HMA SHALL BE IN ACCORDANCE WITH SECTION 450.
- ASPHALT EMULSION FOR TACK COAT SHALL BE RS-1H TO RESIST TRACKING OF TACK BY HAUL VEHICLES.
- HMA FOR WALKS AND DRIVEWAYS SHALL BE IN ACCORDANCE WITH SECTION 700.
- ALL GRAVEL BORROW MEETING SPECIFICATION SHALL BE RETAINED IN PLACE, COMPACTED, AND LEVELED AS REQUIRED.



NEWBURYPORT
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PRELIMINARY RIGHT OF WAY
TYPICAL SECTIONS - 2 OF 2



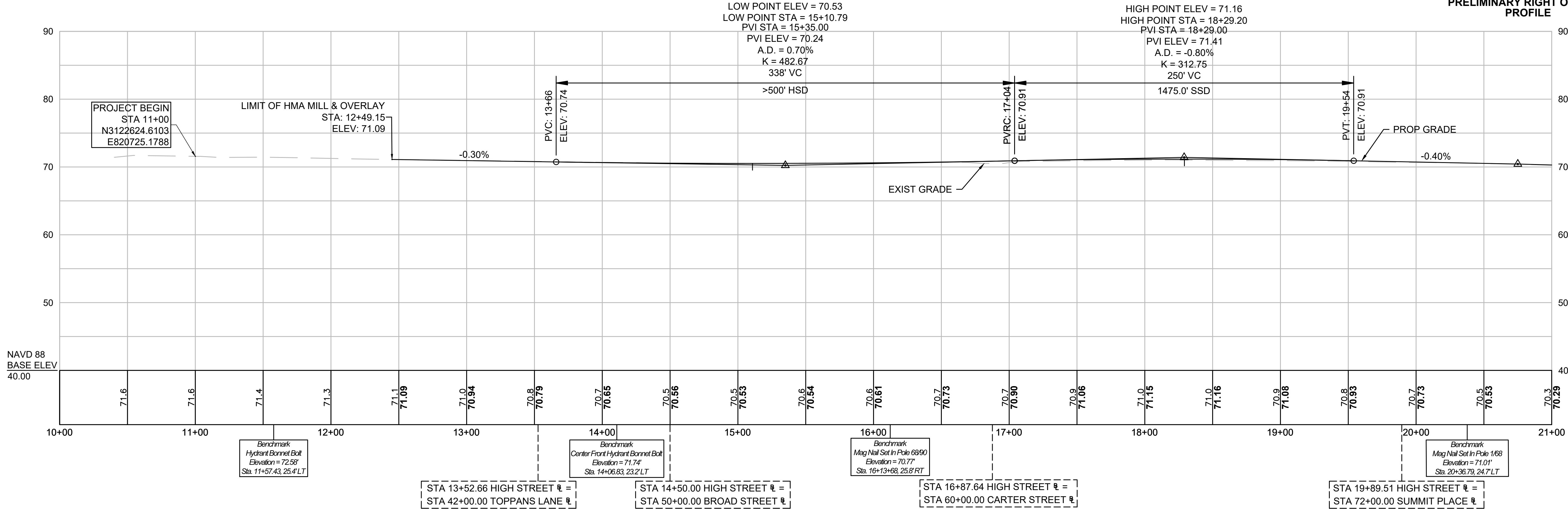
HIGH STREET

NEWBURYPORT
NOCK MIDDLE SCHOOL AND
MOLIN UPPER ELEMENTARY SCHOOL

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

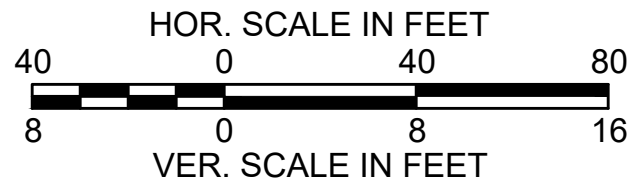
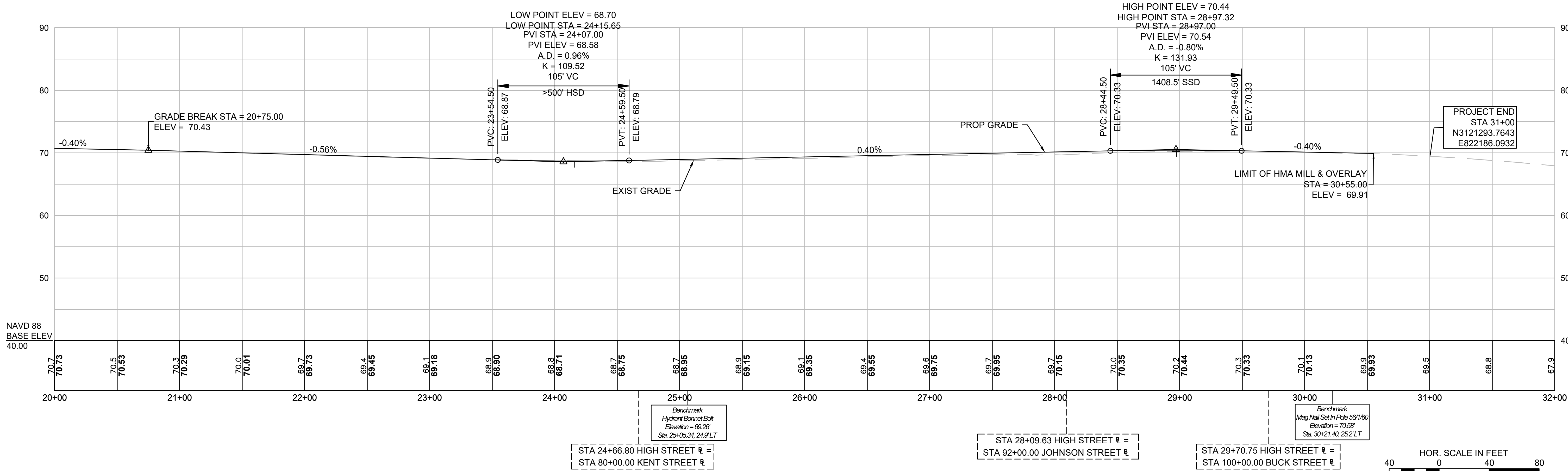
PROJECT FILE NO. 608792

PRELIMINARY RIGHT OF WAY
PROFILE



CONTINUED
BELOW

CONTINUED
ABOVE



PARCEL NO.	PLAN SHEET NO.	TITLEHOLDER	TITLE REFERENCE				EASEMENT		TOTAL PROPERTY AREA (AC)	REMARKS
			DEED BOOK	PAGE NO.	LCC NO.	CERT NO.	TYPE	AREA (S.F. +/-)		
TE-1	8	KATHARINE HANKS TRUST	12100	136			TEMP	668		SITE GRADING, DRIVEWAY RECONSTRUCTION, TREE TRIMMING
TE-2	8	THOMAS J. MURRAY & ANNE-MARIE CLANCY MURRAY	36103	123			TEMP	210		SITE GRADING
TE-3	8	KATHLEEN A. QUILL & WILLIAM G. QUILL	33097	478			TEMP	291		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-4	8	CITY OF NEWBURYPORT	3030	279			TEMP	626		SITE GRADING AND SIDEWALK RECONSTRUCTION
TE-5	8,9	CITY OF NEWBURYPORT	3030	279			TEMP	1655		SITE GRADING AND SIDEWALK RECONSTRUCTION
TE-6	9	CITY OF NEWBURYPORT	3030	279			TEMP	836		SITE GRADING AND SIDEWALK RECONSTRUCTION
TE-7	8	BETH WATSON	36016	311			TEMP	298		SITE GRADING, REMOVE AND RESET COBBLES, WALKWAY AND DRIVEWAY RECONSTRUCTION
E-1	8	BETH WATSON	36016	311			PERM	11	0.13	SIDEWALK EASEMENT
TE-8	8,9	CAPTAIN CAREY CONDOMINIUM TRUST	7535	222			TEMP	1136		SITE GRADING AND WALKWAY RECONSTRUCTION
E-4	9	CAPTAIN CAREY CONDOMINIUM TRUST	7535	222			PERM	24	0.45	SIDEWALK EASEMENT
TE-9	9	LINGLEY LANE, LLP	30661	562			TEMP	363		SITE GRADING AND WALKWAY RECONSTRUCTION
TE-10	9	PHILIP HURZELER & PAT HURZELER	14340	170			TEMP	301		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-40	9	PHILIP HURZELER & PAT HURZELER	14340	170			TEMP	209		SITE GRADING, WALKWAY RECONSTRUCTION
TE-11	9	DAVID C. SMITH & PRISCILLA N. SMITH	7453	78			TEMP	418		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-12	9	DOWNNS FAMILY REVOCABLE TRUST	34279	574			TEMP	381		SITE GRADING, WALKWAY RECONSTRUCTION, AND IRRIGATION HEAD ADJUSTMENT
E-2	9	DOWNNS FAMILY REVOCABLE TRUST	34279	574			PERM	5	0.28	SIDEWALK EASEMENT
TE-13	9	AUGUSTINIAN REALTY TRUST	32835	304			TEMP	250		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION, REMOVE + RESET COBBLES
TE-14	9	SIMON P. WAINWRIGHT & SHARON WAINWRIGHT			557800	88058	TEMP	956		SITE GRADING, WALKWAY RECONSTRUCTION, TREE PROTECTION, AND REMOVE AND RESET FENCE GATES
TE-15	9	244 HIGH STREET CONDOMINIUM TRUST	31976	571			TEMP	540		SITE GRADING, PINE BARK MULCH, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-16	9,10	240-242 HIGH STREET CONDOMINIUM TRUST	14379	299			TEMP	616		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-17	9,10	225 HIGH STREET CONDOMINUM			468145	C206-000	TEMP	958		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-18	10	WILLIAM J. MERCER & JACQUELINE C. MERCER	10125	26			TEMP	452		SITE GRADING AND WALKWAY RECONSTRUCTION
TE-19	10	MARK S. AMOROSINO & JESSICA S. AMOROSINO	32973	150			TEMP	270		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-20	10	FLA NUT RESEARCH LLC	35822	194			TEMP	242		SITE GRADING, DRIVEWAY RECONSTRUCTION, AND TREE PROTECTION

NEWBURYPORT
NOCK MIDDLE SCHOOL AND
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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	5	11

PROJECT FILE NO. 608792

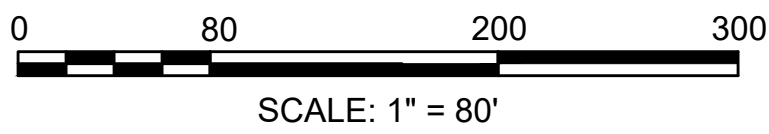
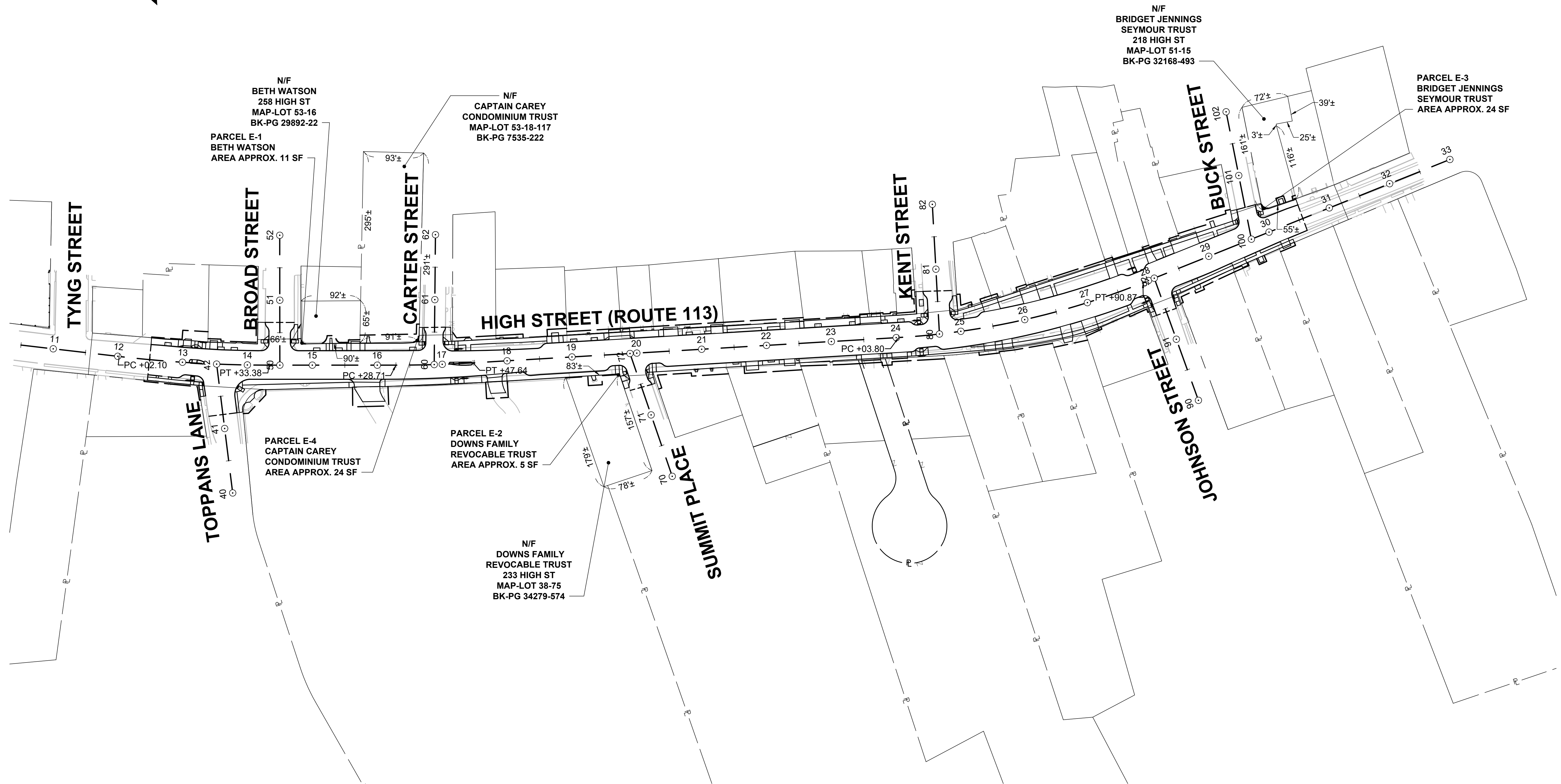
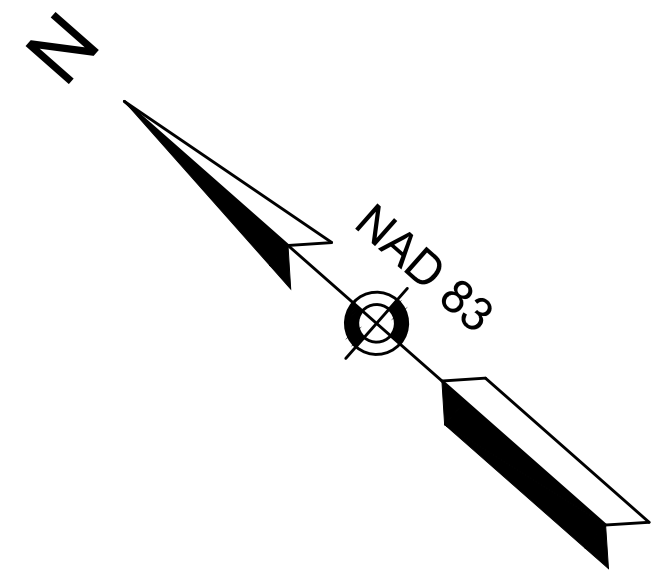
PRELIMINARY RIGHT OF WAY
PARCEL SUMMARY - 1 OF 2

PARCEL NO.	PLAN SHEET NO.	TITLEHOLDER	TITLE REFERENCE				EASEMENT		TOTAL PROPERTY AREA (AC)	REMARKS
			DEED BOOK	PAGE NO.	LCC NO.	CERT NO.	TYPE	AREA (S.F. +/-)		
TE-21	10	JAMES R. GLENNON REVOCABLE TRUST OF 2010, STEPHANIE M. GLENNON REVOCABLE TRUST OF 2010			582502	90435	TEMP	186		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION, AND TREE PROTECTION
TE-22	10	JEFFREY B. JANSON & KAREN M. JANSON	13461	118			TEMP	490		SITE GRADING, DRIVEWAY RECONSTRUCTION, AND TREE PROTECTION
TE-23	10	MATTHEW NISBET			584099	90612	TEMP	204		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-24	10	DENISE MINNARD CAMPOLI & MARK A. CAMPOLI	24843	324			TEMP	154		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-25	10	234 HIGH STREET CONDOMINIUM ASSOCIATION	32744	288			TEMP	90		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-41	10	234 HIGH STREET CONDOMINIUM ASSOCIATION	32744	288			TEMP	202		SITE GRADING, WALKWAY RECONSTRUCTION
TE-26	10	MARY J. TRACY & TIMOTHY R. TRACY	14341	567			TEMP	249		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-27	10	232 HIGH STREET CONDOMINIUM TRUST	22333	152			TEMP	81		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-42	10	232 HIGH STREET CONDOMINIUM TRUST	22333	152			TEMP	48		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-28	10	JEFFREY S. GRAY & KELLY J. GRAY	29821	2			TEMP	380		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-29	10	STOPWORTH ESTATE CONDOMINIUM TRUST	8791	579			TEMP	501		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-30	10	211 HIGH STREET CONDOMINIUM ASSOCIATION	33088	301			TEMP	78		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-43	10, 11	211 HIGH STREET CONDOMINIUM ASSOCIATION	33088	301			TEMP	103		SITE GRADING AND WALKWAY RECONSTRUCTION
TE-31	10, 11	226 HIGH STREET CONDOMINIUM ASSOCIATION	8900	496			TEMP	71		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-32	11	PARRY FAMILY IRREVOCABLE TRUST	31738	587			TEMP	63		SITE GRADING AND DRIVEWAY RECONSTRUCTION
TE-33	11	TIMOTHY P. MARTINO & LISA D. MARTINO	34865	303			TEMP	120		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-34	11	220 HIGH STREET CONDOMINIUM TRUST	9334	220			TEMP	938		SITE GRADING, WALKWAY AND DRIVEWAY RECONSTRUCTION
TE-35	11	ROSE ANN C. HUNTER	6656	141			TEMP	558		SITE GRADING AND WALKWAY RECONSTRUCTION
TE-36	11	RASCHKE G. MANFRED & CYNTHIA S. TRS	30449	247			TEMP	124		SITE GRADING AND WALKWAY RECONSTRUCTION
TE-44	11	RASCHKE G. MANFRED & CYNTHIA S. TRS	30449	247			TEMP	126		SITE GRADING AND WALKWAY RECONSTRUCTION
TE-37	11	BRIDGET JENNINGS SEYMOUR TRUST	32168	493			TEMP	128		WALKWAY RECONSTRUCTION
TE-45	11	BRIDGET JENNINGS SEYMOUR TRUST	32168	493			TEMP	34		WALKWAY RECONSTRUCTION
E-3	11	BRIDGET JENNINGS SEYMOUR TRUST	32168	493			PERM	24	0.20	SIDEWALK EASEMENT
TE-38	11	GAIL PATRICIA CRAY	18739	348			TEMP	125		SITE GRADING AND DRIVEWAY RECONSTRUCTION

NEWBURYPORT
NOCK MIDDLE SCHOOL AND
MOLIN UPPER ELEMENTARY SCHOOL

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	11
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PRELIMINARY RIGHT OF WAY
LOCATION PLAN



NEWBURYPORT
NOCK MIDDLE SCHOOL AND
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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	8	11
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PRELIMINARY RIGHT OF WAY
PROPERTY PLANS - 1 OF 4

GENERAL NOTE:

THE EXISTING STREET LINES SHOWN ON THIS PLAN ARE THE DIRECT RESULT OF AN INSTRUMENT SURVEY PERFORMED ON THE GROUND BY TEC IN JUNE, 2017, AND FROM PLANS AND DEEDS OF RECORD. EXISTING ABUTTING PROPERTY LINES SHOWN ARE APPROXIMATE ONLY.

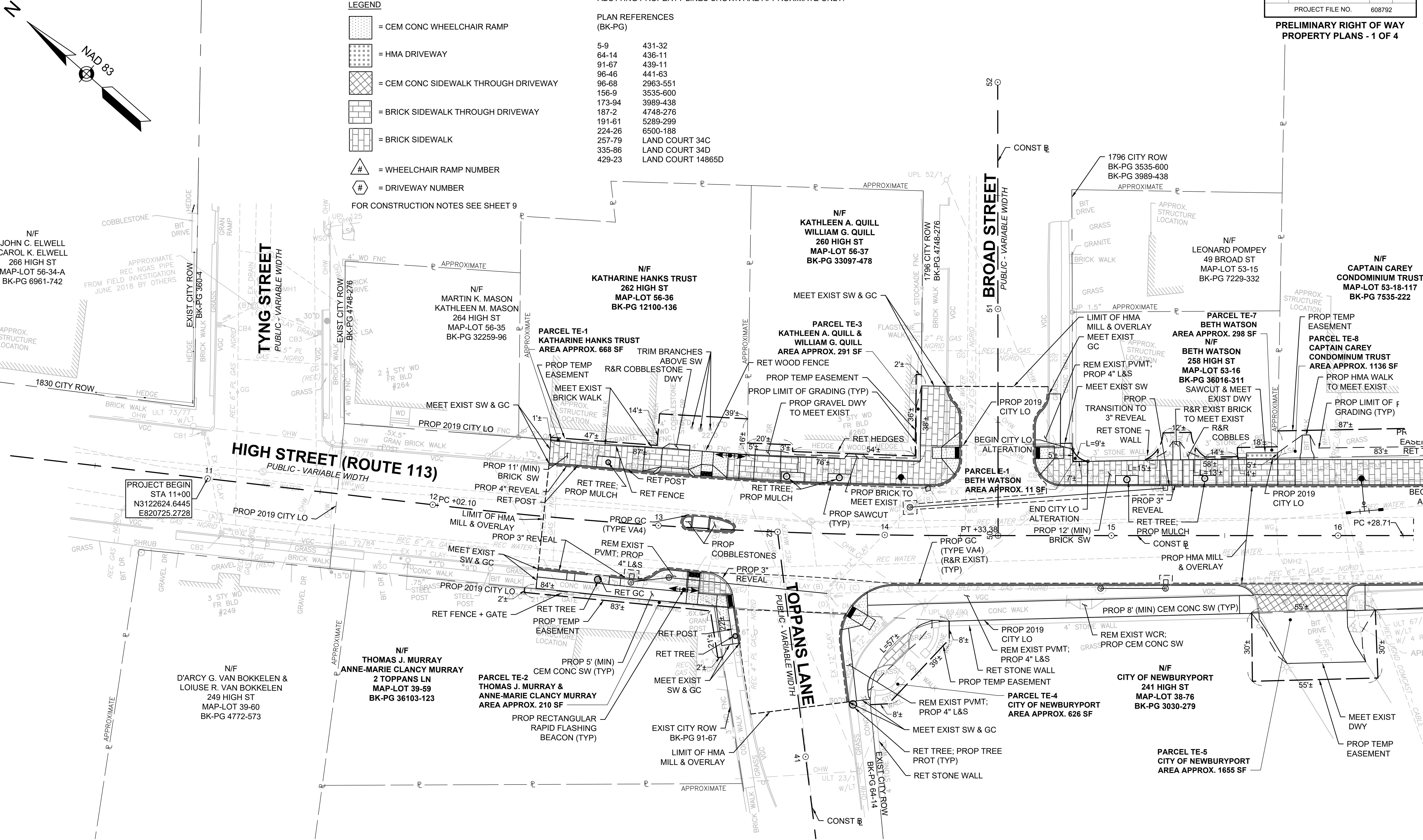
PLAN REFERENCES
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64-14	436-11
91-67	439-11
96-46	441-63
96-68	2963-551
156-9	3535-600
173-94	3989-438
187-2	4748-276
191-61	5289-299
224-26	6500-188
257-79	LAND COURT 34C
335-86	LAND COURT 34D
429-23	LAND COURT 14865D

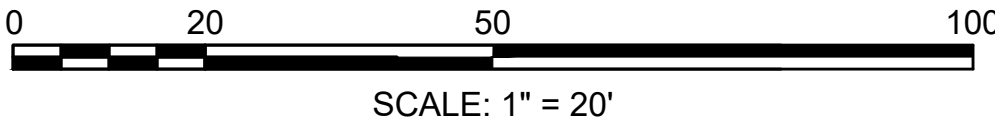
LEGEND

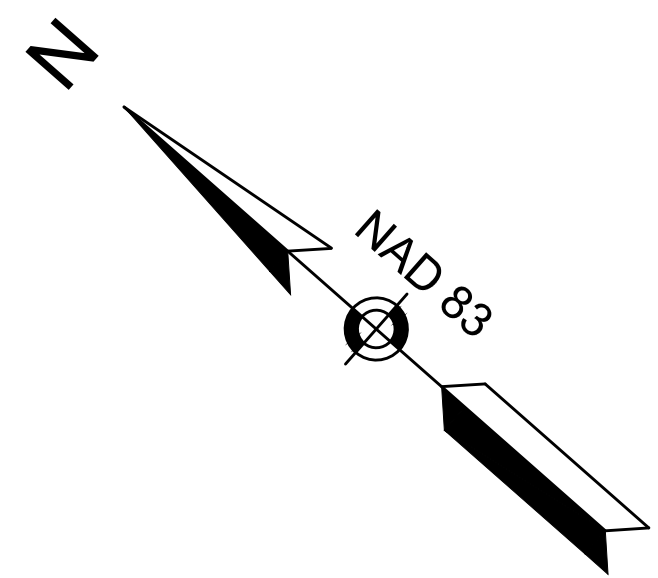
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- = HMA DRIVEWAY
- = CEM CONC SIDEWALK THROUGH DRIVEWAY
- = BRICK SIDEWALK THROUGH DRIVEWAY
- = BRICK SIDEWALK
- = WHEELCHAIR RAMP NUMBER
- = DRIVEWAY NUMBER

FOR CONSTRUCTION NOTES SEE SHEET 9



CONTINUED ON
SHEET NO. 9



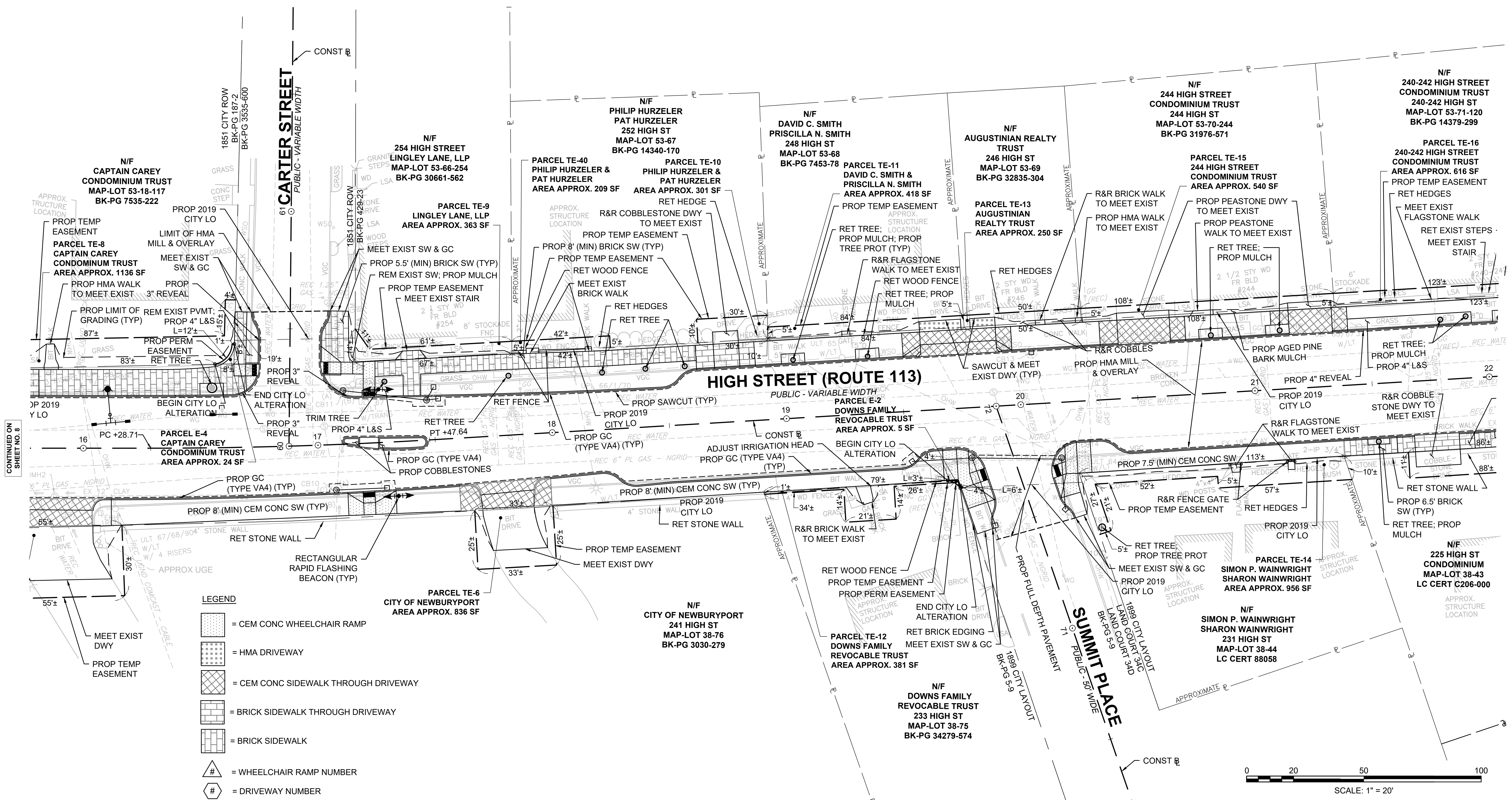


NEWBURYPORT
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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	9	11

PROJECT FILE NO. 608792

PRELIMINARY RIGHT OF WAY
PROPERTY PLANS - 2 OF 4



CONTINUED ON
SHEET NO. 8

CONTINUED ON
SHEET NO. 10

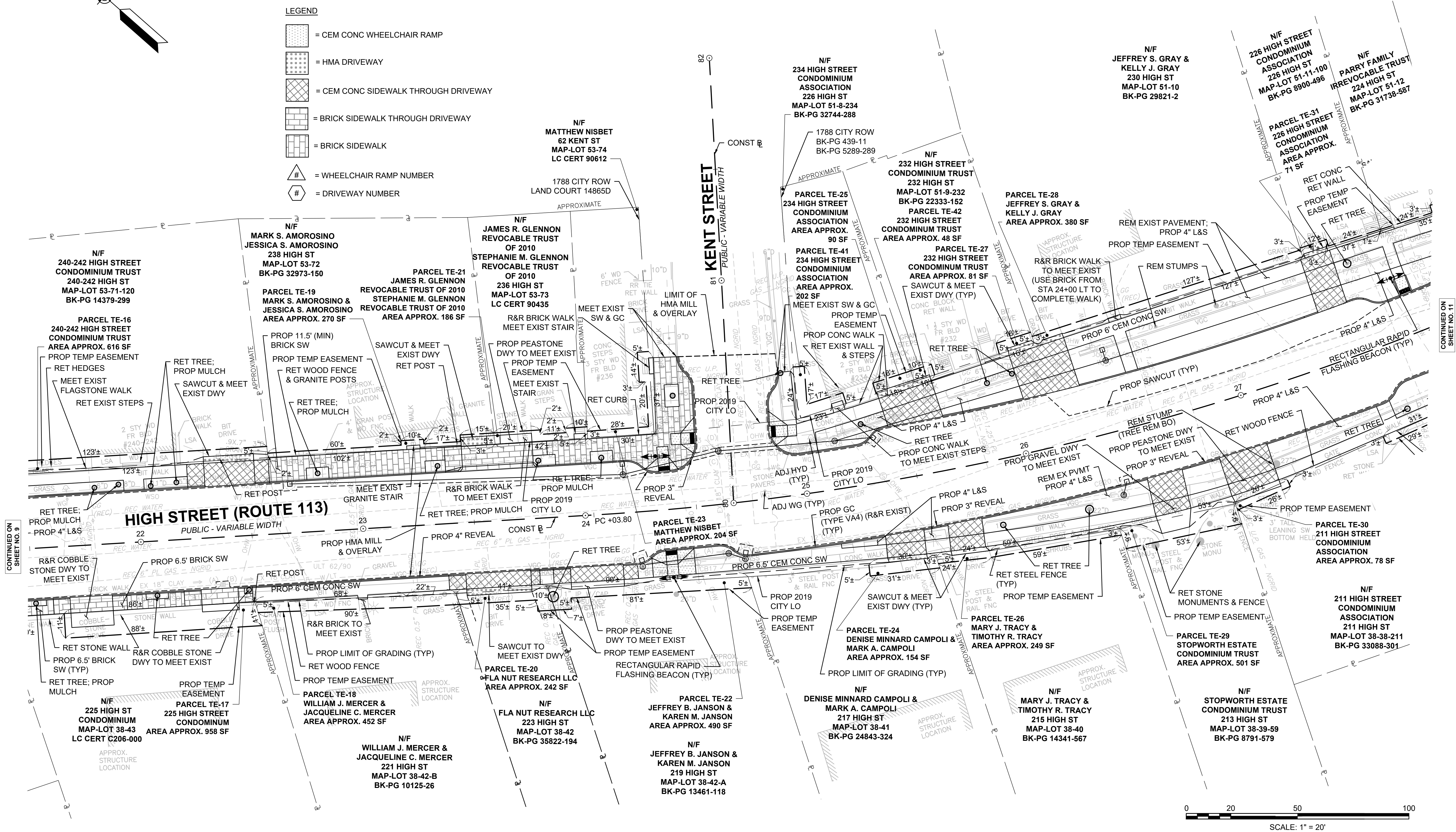
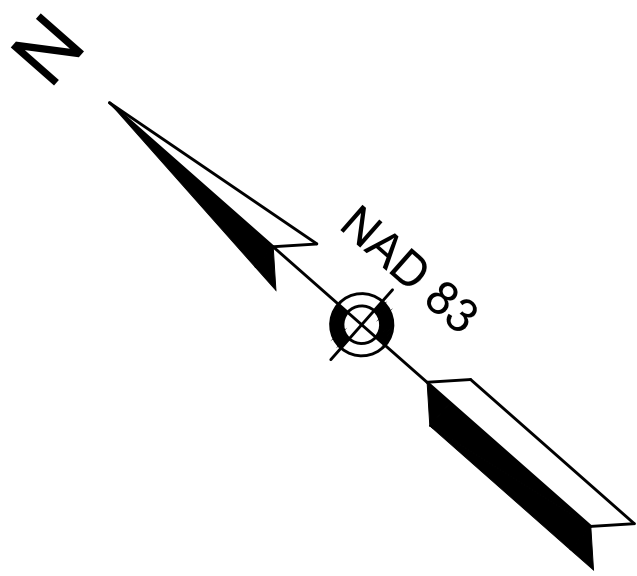
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PRELIMINARY RIGHT OF WAY
PROPERTY PLANS - 3 OF 4

LEGEND

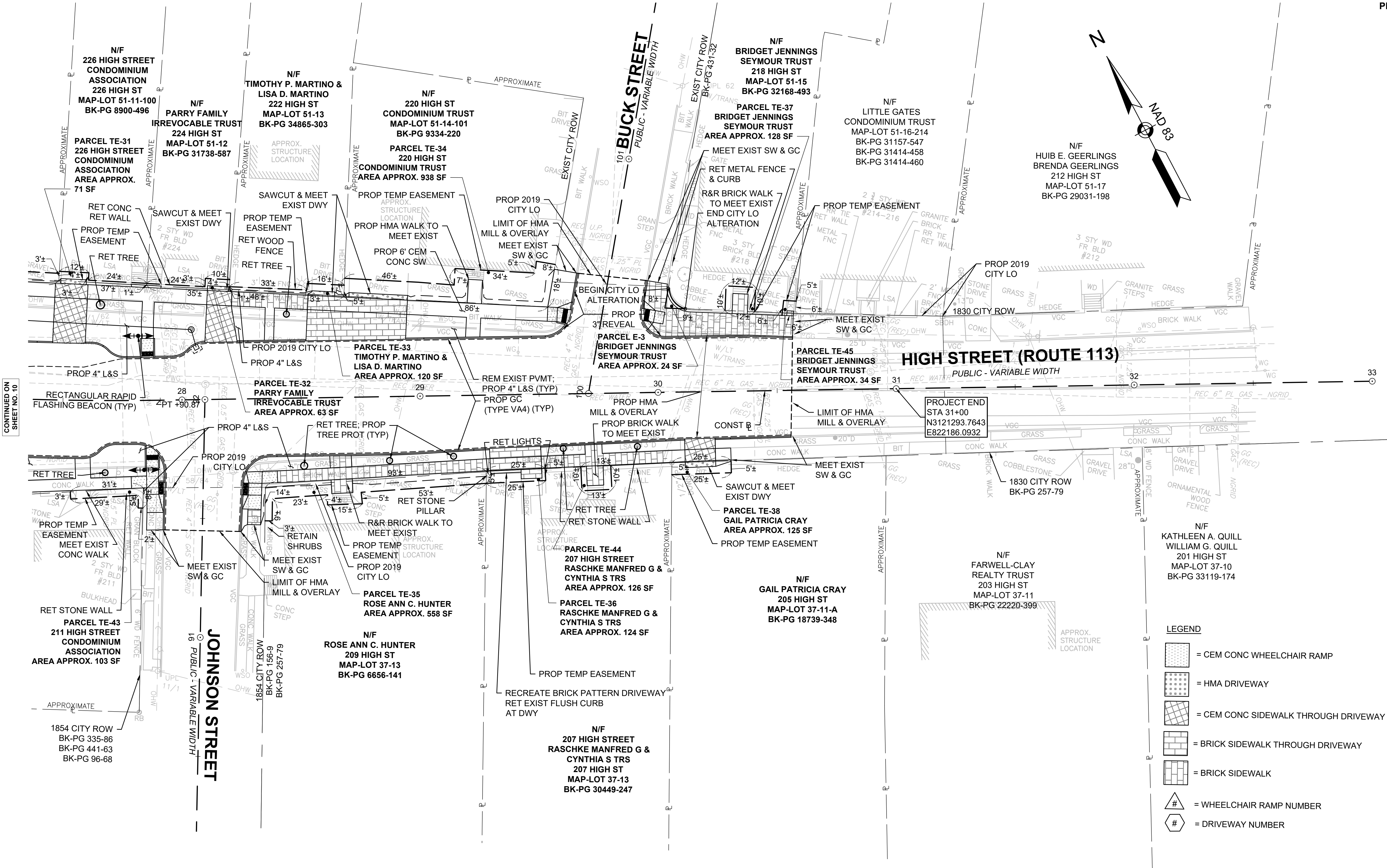
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- = HMA DRIVEWAY
- = CEM CONC SIDEWALK THROUGH DRIVEWAY
- = BRICK SIDEWALK THROUGH DRIVEWAY
- = BRICK SIDEWALK
- # = WHEELCHAIR RAMP NUMBER
- # = DRIVEWAY NUMBER



NEWBURYPORT
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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	11	11
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PRELIMINARY RIGHT OF WAY
PROPERTY PLANS - 4 OF 4



0 20 50 100
SCALE: 1" = 20'

CONTINUED ON
SHEET NO. 10