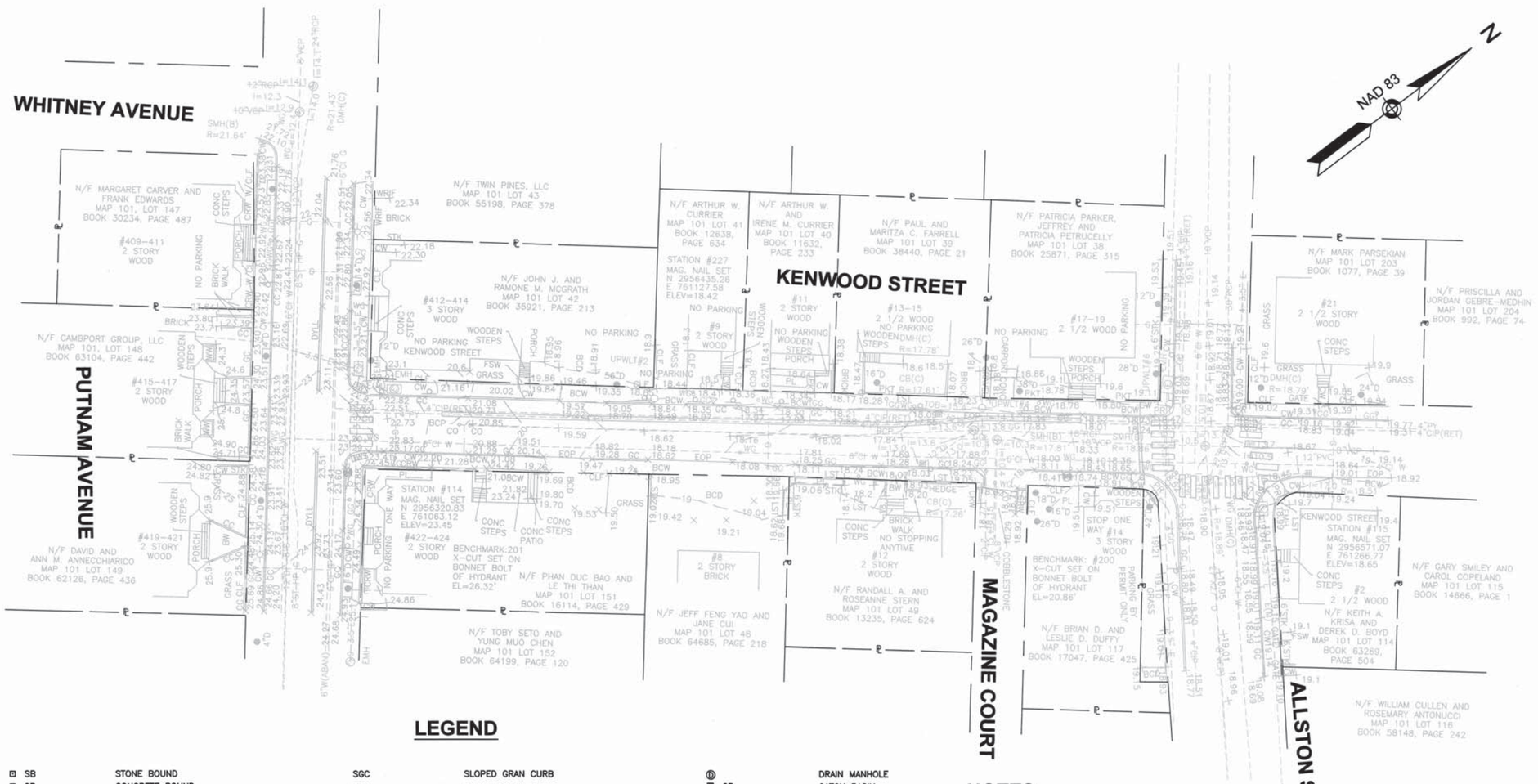

LEGEND

SB	STONE BOUND
CB	CONCRETE BOUND
MHB	MASS HIGHWAY BOUND
DH	DRILL HOLE
•	PK. REBAR, NAIL, SPIKE
EP/LP	ESCUTCHEON PIN/LEAD PLUG
FND	FOUND
(NF)	NOT FOUND
W/	WITH
(M)	MARKED ON GROUND
	STATE HIGHWAY LAYOUT
	CITY HIGHWAY LAYOUT
RL	LOT LINE
6"D	TREE (DIA & TYPE)
PL	PLANTED
MP	METAL POST
CLF	CHAIN LINK FENCE
PKT	PICKET FENCE
STK	STOCKADE FENCE
	CURBING(TYPE)
BRW	BRICK RETAINING WALL
CRW	CONCRETE RETAINING WALL
LST	LANDSCAPE TIMBER
BW	BRICK WALK
BC	BITUMINOUS CONCRETE
BIT CONC	BITUMINOUS CONCRETE
BCD	BITUMINOUS CONCRETE DRIVEWAY
BCP	BITUMINOUS CONCRETE PATCH
CP	CONCRETE PAD
CCD	CONCRETE DRIVEWAY
CC	CONCRETE CURB
GC	GRANITE CURB
SBCC	SLOPED BIT CONC CURB

SGC	SLOPED GRAN CURB
CCB	CAPE COD BERM
EOP	EDGE OF PAVEMENT
TYP	TYPICAL
CW	CONCRETE WALK
BCW	BITUMINOUS CONCRETE WALK
FSW	FIELDSTONE WALK
10.51	TOP OF CURB ELEVATION
10.06	BOTTOM OF CURB ELEVATION
GP	GUARD POST (BOLLARD)
FL	FLOOD LIGHT
	SIGN-ONE POST
	SIGN-TWO POSTS
PR	PEDESTRIAN RAMP
RD	ROOF DRAIN
HWL	HEADWALL
TS	TRAFFIC SIGNAL
MAP	TRAFFIC SIGNAL/MAST ARM POST
MAG.	MAGNETIC
SRW	STONE RETAINING WALL
	SHRUB/BUSH
(C)	PRE-CAST CONCRETE STRUCTURE
(B)	BRICK INLAY STRUCTURE
CO	CLEAN OUT HANDHOLE
WW	WINDOW WELL
TSCC	TRAFFIC SIGNAL CONTROL CABINET
FA	FIRE ALARM BOX
MB	MAILBOX
EHH	ELECTRIC HANDHOLE
HH	HANDHOLE
	UTILITY POLE
	GUY POLE
	GUY WIRE
	LIGHT POLE

	DRAIN MANHOLE
CB	CATCH BASIN
I	INVERT
R	RIM
TOB	TOP OF BELL
TOP	TOP OF PIPE
TOW	TOP OF WATER
NPV	NO PIPE VISIBLE
GG	GAS GATE
GM	GAS METER
	ELECTRIC MANHOLE
	SEWER MANHOLE
WG	WATER GATE
HYD	HYDRANT
E	ELECTRIC LINE
G	GAS LINE
S	SEWER LINE
D	STORM DRAIN LINE
W	WATER LINE
OHW	OVERHEAD WIRES
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
CIP	CAST IRON PIPE
PVC	POLYVINYL CHLORIDE
VCP	VITREOUS CLAY PIPE
CPP	CORRUGATED PLASTIC PIPE
DI	DUCTILE IRON
STY	STORY
DPW	DEPARTMENT OF PUBLIC WORKS
ABAND	ABANDONED
RET	RETIRED
+ 33.6	SPOT ELEVATION
	INTERMEDIATE CONTOUR
40	INDEX CONTOUR

0 20 50 100

SCALE: 1" = 20'

Date:	MAY 5, 2016
Job No.:	2016.105.00
Drawn By:	MH/EP
Checked By:	KH
Cold'd By:	EP
Drawing No.:	201610500WS KENWOOD CCB.dwg
Sheet:	1 OF 1

NOTES

1. THIS SURVEY IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, NAD83/2011 (EPOCH 2010.00), AS DERIVED FROM A POST PROCESSING SOLUTION FROM THE TRIMBLE BUSINESS CENTER RTX ADJUSTMENT USING THE PUBLISHED VALUES OF KeyNetGPS STATIONS CP01, NHUN, KP16 AND KP19.

2. THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE CITY OF CAMBRIDGE VERTICAL DATUM BASED ON A CONVERSION FROM NAVD88 USING THE PUBLISHED DIFFERENCE OF 11.66'.

3. THIS SURVEY HAS BEEN COMPILED FROM MOBILE LIDAR POINT CLOUD DATA AND IMAGERY CAPTURED WITH SMC'S TRIMBLE MX2® LIDAR. THE LIDAR DATA HAS BEEN COMBINED SUPPLEMENTAL FIELD SURVEYS ALONG THE PROJECT CORRIDOR TO CREATE THE DIGITAL TERRAIN MODEL WITHIN THE PROJECT LIMITS.

4. SUBSURFACE UTILITY LINES AND FEATURES, AS SHOWN HEREON, WERE COMPILED FROM FIELD EVIDENCE AND/OR AVAILABLE RECORD INFORMATION AND THEIR LOCATIONS ARE ONLY APPROXIMATE. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD.

SMC ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.

BEFORE DESIGNING FUTURE CONNECTIONS, THE APPROPRIATE UTILITIES MUST BE CONSULTED.

BEFORE CONSTRUCTION, ALL UTILITIES, PUBLIC AND PRIVATE, MUST BE NOTIFIED (SEE MASSACHUSETTS GENERAL LAWS, CHAPTER 82 SECTION 40).
CALL "DIG SAFE" 1-888-DIG-SAFE. (888-344-7233).

REFERENCES

1. DRAIN, SEWER AND WATER GIS FROM CAMBRIDGE GIS WEBSITE.

2. GAS PLAN FROM EVERSOUCE SHOWING GAS LINES FOR KENWOOD STREET IN CAMBRIDGE.

3. CATV PLAN FROM COMCAST SHOWING CABLE AND TV LINES FOR KENWOOD STREET IN CAMBRIDGE.

4. PLAN FROM CAMBRIDGE ELECTRIC LIGHT COMPANY UNDERGROUND CONDUITS-PUTNAM AVENUE
DATED: FEBRUARY, 1936 SCALE: 1"=20'
PLAN NO. 3545-4

5. NO RECORD PLANS FOR VERIZON WERE AVAILABLE DUE TO ONGOING STRIKE.

COMMONWEALTH OF MASSACHUSETTS
KEVIN HANLEY
No. 31313
REGISTERED PROFESSIONAL LAND SURVEYOR

Kevin Hanley
21st October 2016

KEVIN HANLEY, PLS
MASSACHUSETTS REG. No. 31313

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Consultants

325 WOOD ROAD
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BRAINTREE MA 02184
(781)380-7766
FAX (781)380-7757
SMC SURVEYING AND MAPPING CONSULTANTS

Legend

Notes

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Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: 21_kenwood.dwg	EP	KH		16.05.04
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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THE WORKS

Client/Project

Cambridge Department of Public Works

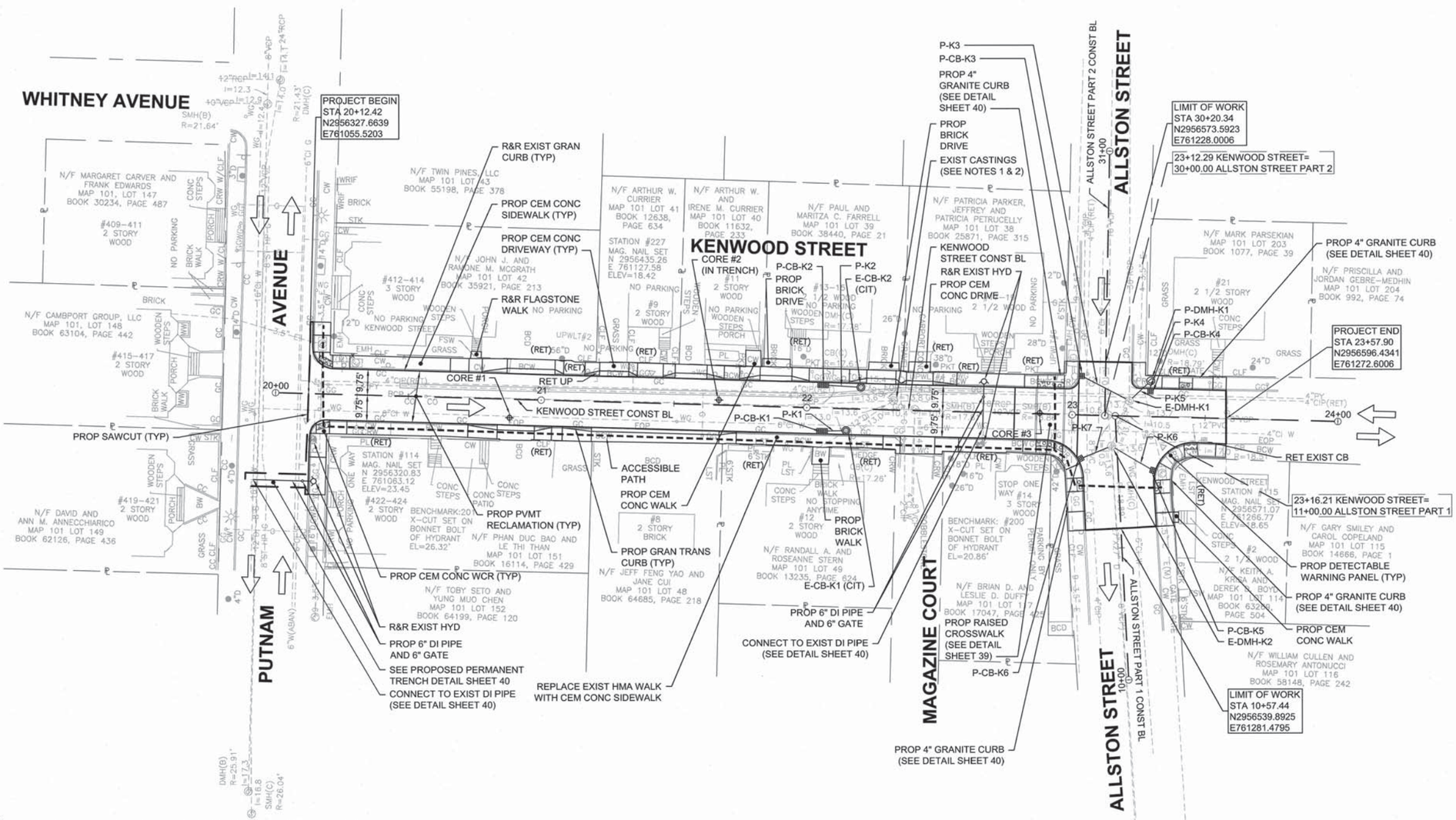
Chapter 90 Contract 21
Lawn St., Harding St., Porter St & Kenwood St.
Cambridge, MA

Title

EXISTING CONDITIONS SURVEY PLANS
KENWOOD STREET
PART 1 OF 1

Project No.	Scale
179410352	1" = 20'

Drawing No.	Sheet	Revision



NOTES:

1. ALL EXISTING DRAINAGE, SANITARY, WATER AND ANY OTHER MUNICIPAL UTILITY CASTING SHALL BE ADJUSTED TO GRADE BY THE CONTRACTOR.
2. ALL EXISTING PRIVATE UTILITY (GAS, ELECTRIC, COMMUNICATIONS, ETC.) CASTINGS SHALL BE ADJUSTED TO GRADE BY THEIR RESPECTIVE UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE WORK WITH PRIVATE UTILITY COMPANIES.
3. ALL UTILITY POLES SHALL BE RETAINED.
4. ALL EXISTING TREES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
5. FOR ROADWAY PROFILE SEE SHEET 19.
6. FOR CURB GEOMETRY AND BASELINE TIES SEE SHEET 24.
7. FOR PROPOSED GRADING SEE SHEET 29.
8. FOR DRAINAGE STRUCTURE AND PIPE TABLES SEE SHEET 32.
9. FOR SIGNAGE AND PAVEMENT MARKINGS SEE SHEET 35.
10. FOR WHEELCHAIR RAMP AND DRIVEWAY DETAILS SEE SHEETS 44 AND 45.

ORIGINAL SHEET - ARCH D

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Richard A. Azzalina 10/24/18

COMMONWEALTH OF MASSACHUSETTS
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	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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THE WORKS

Client/Project

Cambridge Department of Public Works

Chapter 90 Contract 21
Lawn St., Kenwood St., Harding St. & Porter St.
Cambridge, MA

Title

CONSTRUCTION PLAN
KENWOOD STREET
PART 1 OF 1

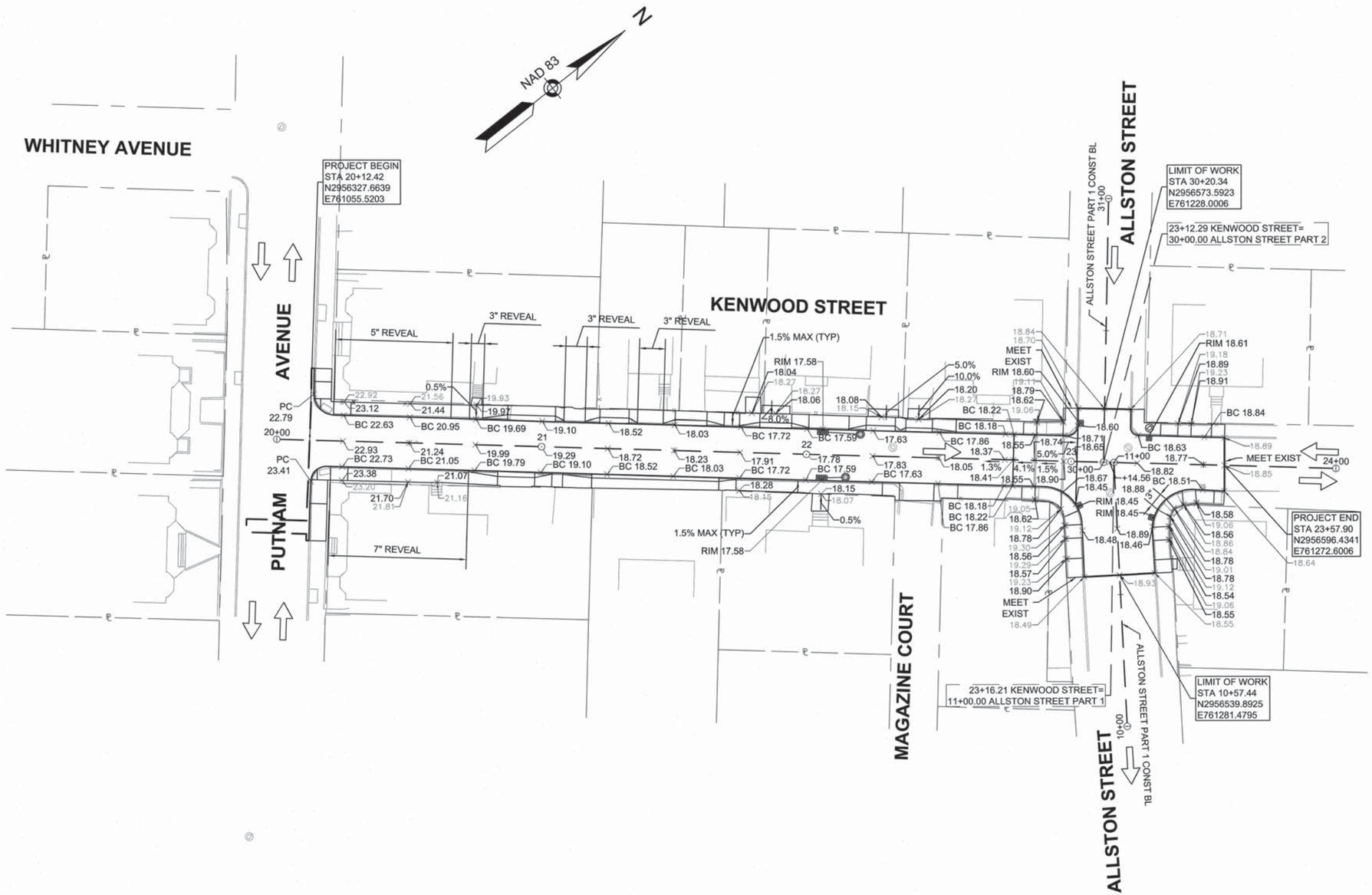
Project No. 179410352

Scale 1" = 20'

Drawing No.

Sheet

Revision



NOTES:
1. THE CONTRACTOR SHALL MATCH THE EXISTING ELEVATIONS AT THE BACK OF PROPOSED SIDEWALK WHEN NO PROPOSED ELEVATION IS PROVIDED.
2. ALL CURB REVEALS SHALL BE 6" UNLESS OTHERWISE SPECIFIED.

0 20 50 100
SCALE: 1" = 20'

ORIGINAL SHEET - ARCH D

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	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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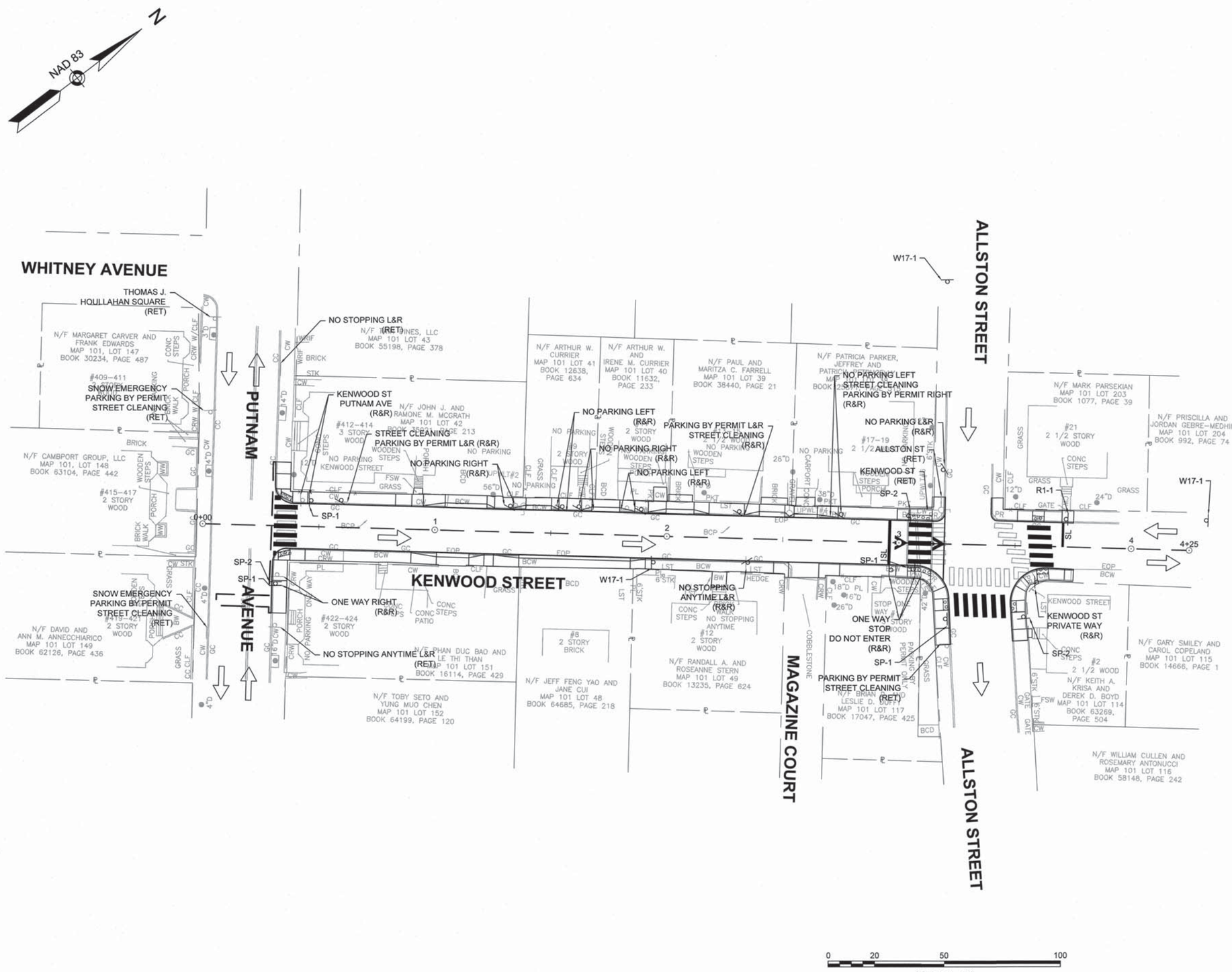
THE WORKS

Client/Project
Cambridge Department of Public Works

Chapter 90 Contract 21
Lawn St., Kenwood St., Harding St. & Porter St.
Cambridge, MA

Title
GRADING PLAN
KENWOOD STREET
PART 1 OF 1

Project No. 179410352
Scale 1" = 20'
Drawing No.
Sheet
Revision



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	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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THE WORKS

Client/Project
Cambridge Department of Public Works

Chapter 90 Contract 21
Lawn St., Kenwood St., Harding St. & Porter St.
Cambridge, MA

Title
SIGN & PAVEMENT MARKING PLAN
KENWOOD STREET
PART 1 OF 1

Project No.	Scale	
179410352	1" = 20'	
Drawing No.	Sheet	Revision