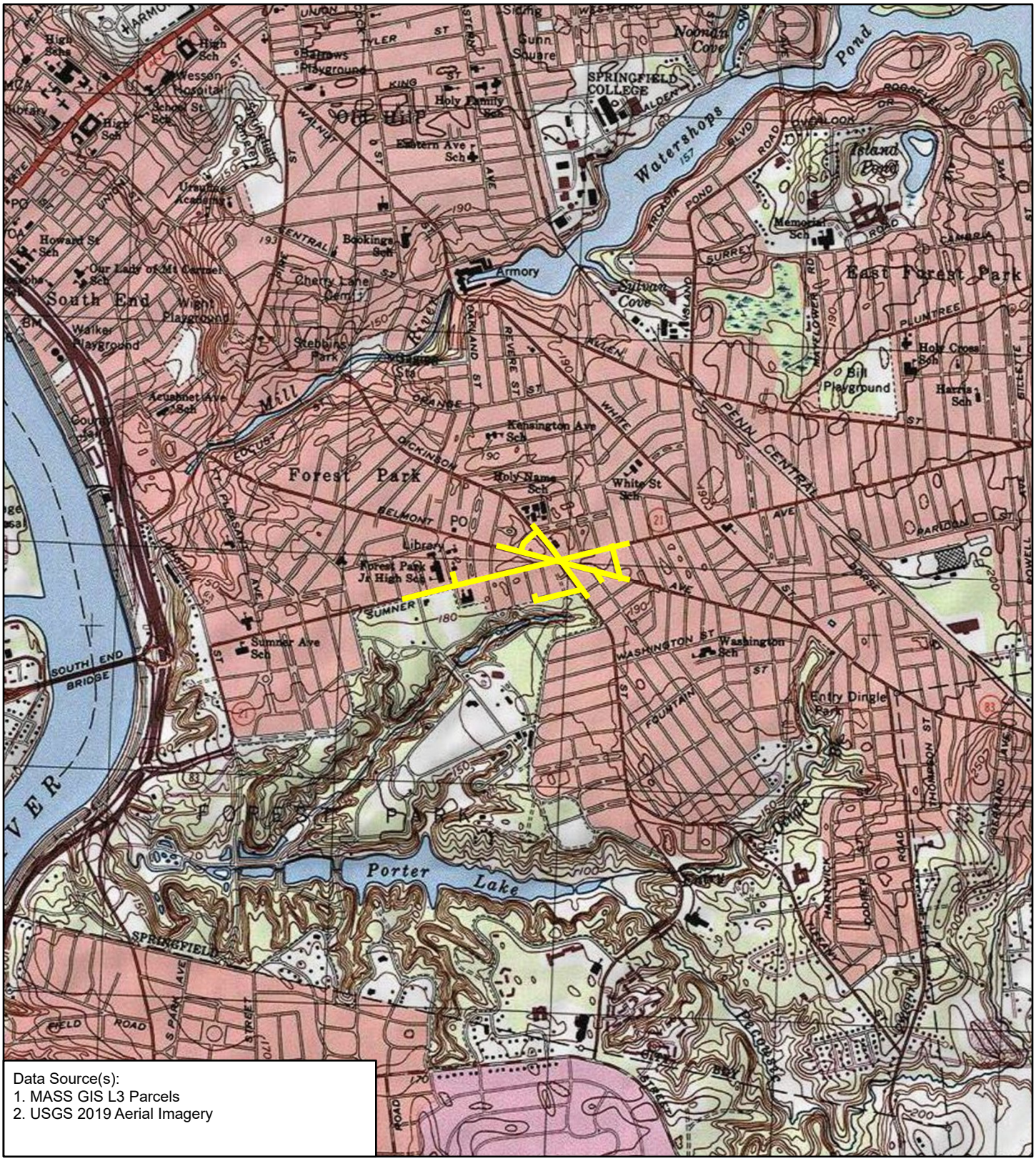
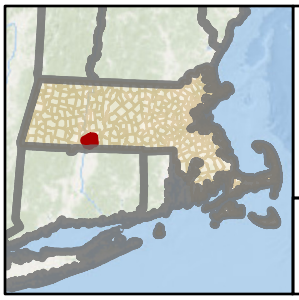
Appendix A

Figures





Project limits

0 1,000 2,000 4,000 Feet

N

Disclaimer: This map is not the product of a Professional Land Survey. It was created by Fuss & O'Neill, Inc. for general reference, informational, planning and guidance use, and is not a legally authoritative source as to location of natural or manmade features. Proper interpretation of this map may require the assistance of appropriate professional services. Fuss & O'Neill, Inc. makes no warrantee, express or implied, related to the spatial accuracy, reliability, completeness, or currentness of this map.

U.S.G.S. Map

Reconstruction of Sumner Avenue
at Dickinson Street and Belmont Avenue
(The "X")

Springfield MA

FUSS & O'NEILL

Figure 1

Folder: K:\P2020\0127\E10\MXD\ Project: SpringfieldX_EJ and EnvironmentalConstraints Layout: Site Location Map: Main Data Frame Map Frame
Date Exported: 6/14/2023 9:53 AM User: czakas Date Saved: 4/25/2023 1:22 PM



Legend

- MA Town Boundaries
- Protected and Recreational Open Space (Article 97 land)
- Areas of Critical Environmental Concern
- NHESP Priority Habitats of Rare Species
- NHESP Estimated Habitats of Rare Species
- Chapter 91 Jurisdictional Areas

Public Water Supplies

- Community Groundwater Source
- Surface Water Intake
- Non-Community Groundwater Source
- Emergency Surface Water
- Hydrologic Connections

Surface Water Supply Protection Areas

- ZONE A
- ZONE B
- ZONE C

MHC Historic Inventory Areas

- Inventoried Property
- Local Historic District
- Historic Landmark
- Nat'l Register of Historic Places
- NRHP and LHD
- Preservation Restriction

Wellhead Protection Areas

- Zone I
- Zone II
- Interim Wellhead Protection Area (IWPA)

MHC Historic Inventory Points

- Inventoried Property
- Local Historic District
- Historic Landmark
- Nat'l Register of Historic Places
- NRHP and LHD
- Preservation Restriction

- Limits of Work
- DGA - 1 mile radius

Wetland Types

- BOG
- CRANBERRY BOG
- DEEP MARSH
- OPEN WATER
- SHALLOW MARSH MEADOW OR FEN
- SHRUB SWAMP
- WOODED SWAMP CONIFEROUS
- WOODED SWAMP DECIDUOUS
- WOODED SWAMP MIXED TREES

Map of Environmental Constraints

Figure 2

FUSS & O'NEILL

N

1 0 0 1 Miles

APRIL 2023

CITY OF SPRINGFIELD, MASSACHUSETTS

K:\P2020\0127\E10\MXD\SpringfieldX_EJ and EnvironmentalConstraints.aprx

Appendix B

Springfield X Plan Set

FUSS & O'NEILL

Plan Rendering

TREE SUMMARY TABLE

ROADWAY	EXISTING TREES	REMOVED TREES	PROPOSED TREES	GAIN/LOSS
Sumner Avenue East	23	8	15	7
Sumner Avenue West	66	17*	29	12
Belmont Avenue East	24	13	21	8
Belmont Avenue West	14	9	23	14
Dickinson Street North	2	0	4	4
Dickinson Street South	9	6	13	7
Oakland Street	8	7	12	5
Ormond Street	11	0	1	1
Commonwealth Avenue	3	1	0	-1
Burlington Street	5	0	0	0
Cliftwood Street	4	0	0	0
Lenox Street	0	0	0	0
TOTALS	**169**	**61**	**118**	**57**

*Reduced from 52 in the 25% design



FUSS & O'NEILL

Existing Conditions Survey

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	
PROJECT FILE NO.	XXXXXX		

SHEET NAME

X-SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:12 PM

CHURCHILL STREET

SUMNER AVENUE
A CITY LAYOUT
100.00' WIDE

MAIN GREETING ROAD

LITCHFIELD STREET

SUMNER TERRACE
A 1909 CITY LAYOUT
80.00' WIDE
FILE 338 G

Map ID: 112800066
#280 SUMNER
IAN C. ROSE

Map ID: 112800067
#286 SUMNER
NICOLE T. BAKER

Map ID: 112800069
#294 SUMNER
FOREST PARK RENTALS LLC

Map ID: 112800073
#302 SUMNER
PATULLO ANTONIO TRUSTEE

Map ID: 112800074
#320 SUMNER
GALINDO RONY E GALINDO &
LESLIE VITTONE

Map ID: 112800075
#330 SUMNER
TM PROPERTIES INC

Map ID: 112800460
#299 SUMNER
CITY OF SPRINGFIELD
FOREST PARK

MHS RIM=181.69
12" PCV IN=175.94
12" VC IN=171.14
27" VC IN=170.14
12" PVC OUT=171.39
27" VC OUT=170.14
SHELF=171.44

CB RIM=181.10
FILLED WITH SEDIMENT

CB RIM=181.33
FILLED WITH SEDIMENT

CB RIM=182.30
8" PVC OUT=179.45
SEDIMENT=179.40

CB RIM=182.66
FILLED WITH SEDIMENT

CB RIM=183.25
10" PVC OUT=
179.55

MHD RIM=183.38
10" PVC IN=179.13
12" AC IN=178.18
10" AC IN=179.28
12" RCP DEAD=179.08
12" PVC OUT=177.73

CB RIM=183.28
10" VC OUT=179.58
SUMP=179.18

MHS RIM=183.45
12" VC IN (N)=174.0
12" VC IN (NE)=178.40
12" PVC IN=177.50
27" VC IN=171.7
12" PVC OUT=174.05
27" VC OUT=171.65
SHELF=172.15

CB RIM=184.53

MHD RIM=185.78

MHS RIM=184.42
15" RCP IN=173.52
18" PVC IN=173.32
18" PVC OUT=173.22
SHELF=174.62

CB RIM=181.32
FILLED WITH SEDIMENT

CB RIM=
181.97
FILLED WITH
SEDIMENT

CB RIM=
182.33
FILLED WITH
SEDIMENT

CB RIM=183.27
FILLED WITH SEDIMENT

MHS RIM=183.77
12" PVC IN=172.57
18" PVC IN=172.37
18" PVC OUT=172.32
SHELF=173.77

CB RIM=182.94
FILLED WITH SEDIMENT
FLOW THROUGH SEDIMENT=180.74

CB RIM=182.00
FILLED WITH SEDIMENT

CB RIM=182.64
FILLED WITH SEDIMENT

CB RIM=180.95
8" VC OUT=178.15
SEDIMENT=178.15

MHS RIM=181.76
12" PVC IN=171.26
18" PVC IN=170.76
8" PVC IN=174.21
18" PVC OUT=170.66
SHELF=172.06

CONC. WALK

27"SEWER

18" PVC

8"WATER

6"GAS

4"GAS

12"VC

ELECTRIC METER

OLD POST

BRICK WALL

OVERHANG

BUS CANOPY

BUS STOP

POST BOX

TRASH

BENCH

ROCKS

MULCH

FOREST PARK SIGN

STONE COLUMN

0 20 50 100

SCALE: 1" = 20'

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	X
PROJECT FILE NO.	XXXXXX		

SHEET NAME

X:\SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

OAKLAND STREET
A 1908 CITY ALTERATION
88.00' WIDE
PLAN BOOK 237 PAGE 75

KENWOOD TERRACE
A 1909 CITY LAYOUT
80.00' WIDE
FILE 338 H

SUMNER AVENUE
A CITY LAYOUT
100.00' WIDE

BENCHMARK: PUNCH MARK
BOLT ON HYDRANT
EL=187.76

BENCHMARK: SPIKE IN
UTILITY LIGHT POLE
EL=188.60

Map ID: 055200029
#46 OAKLAND
CITY OF SPRINGFIELD
FOREST PARK MIDDLE SCHOOL

Map ID: 092100161
#17–19 OAKLAND
CALVARY'S LOVE CHURCH

Map ID: 112800082
#366 SUMNER
MARTA E. GONZALEZ

Map ID: 112800083
#372 SUMNER
TIWARI BHANU

Map ID: 112800084
#376–378 SUMNER
HECTOR R. RODRIGUEZ

Map ID: 112800085
#390 SUMNER
ANDREW W. VIVENZIO

Map ID: 112800086
#398 SUMNER
DAO VU

Map ID: 112800434
#361 SUMNER
TRINITY METHODIST EPISCOPAL CHURCH

0 20 50 100
SCALE: 1" = 20'

CITY/TOWN
STREET/ROUTE #OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	SHEETS
MA		1	1

CONTRACT FILE NO.

SHEET NAME

X-SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

BEAUMONT STREET
A 1909 CITY LAYOUT
50.00' WIDE
FILE 338 H

SUMNER AVENUE
A CITY LAYOUT
100.00' WIDE

CONTINENTAL STREET
A 1907 CITY LAYOUT
50.00' WIDE
FILE 225

PARKWOOD STREET
A 1902 CITY LAYOUT
50.00' WIDE
FILE 107

CLIFTWOOD STREET
A 1904 CITY LAYOUT
VARIABLE WIDTH
FILE 243 C

Map ID: 112800086
#398 SUMNER
DAO VU

Map ID: 112800087
#402 SUMNER
ROSEMARY PEREZ

Map ID: 112800088
#408 SUMNER
GERALD E. BEAULIEU

Map ID: 112800089
#420 SUMNER
PARKRIDGE PROPERTIES LLC

Map ID: 112800090
#426 SUMNER
AGATHA WORRELL

Map ID: 112800091
#432 SUMNER
NICHOLAS G. GHANAME

Map ID: 112800092
#440 SUMNER
SUMNER LLC

Map ID: 112800095
#444 SUMNER
PERSAM SPRINGFIELD LLC

Map ID: 012350087
#486-494 BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 012350099
S S BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 012350103
S S BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 112800426
#407 SUMNER
KARL A. HAYWOOD &
KATIE L HOGAN

Map ID: 112800425
#415 SUMNER
JOSE L. ESTEVEZ

Map ID: 112800424
#419 SUMNER
CAROLYN SUPRENANT

Map ID: 112800423
#425 SUMNER
CAROLYN SUPRENANT

Map ID: 112800421
#445 SUMNER
RF REALTY COMPANY LLC

Map ID: 112800419
#449 SUMNER
RF REALTY COMPANY LLC

Map ID: 112800418
#461 SUMNER
RICHARD J. LABRIE TRUS

BENCHMARK: TOP SPINDLE HYDRANT EL=190.96

SCALE: 1" = 20'

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	X
PROJECT FILE NO.	XXXXXX		

SHEET NAME

X-SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

BELMONT AVENUE
A 1922 CITY LAYOUT
60.00' WIDE

SUMNER AVENUE
A CITY LAYOUT
100.00' WIDE

DICKINSON STREET
(FORMERLY CHAPIN STREET)
A 1908 CITY LAYOUT AMENDED
60.00' WIDE
FILE 247

CLIFTWOOD STREET
A 1904 CITY LAYOUT
VARIABLE WIDTH
FILE 243 C

LENOX STREET
A 1904 CITY LAYOUT
VARIABLE WIDTH
FILE 163

Map ID: 012350103
S S BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 012350263
#505 BELMONT
509 BELMONT INC.

Map ID: 012350261
#511 BELMONT
VIEN & TROUNG NGUYEN

Map ID: 012350259
BELMONT
MINH TAI INC

Map ID: 012350258
#523 BELMONT
MINH TAI INC

Map ID: 112800098
#470 SUMNER
CUMBERLAND FARMS INC.

Map ID: 112800099
#512 SUMNER
BRIAN M. & JACQUELINE M.
TORPEY

Map ID: 039100461
CHAPIN CORNER LLC

Map ID: 039100458
#401 DICKINSON
CHAPIN CORNER LLC

Map ID: 039100084
#386-394 DICKINSON
MEGA MEADOW REI LLC

Map ID: 039100086
#409 DICKINSON
THOMAS & KIM VUONG

Map ID: 112800101
#530 SUMNER
CHAPIN CORNER LLC

Map ID: 112800418
#461 SUMNER
RICHARD J. LABRIE TRUSTEE

Map ID: 112800417
#473 SUMNER
NORTHAMPTONBOYS2 LLC

Map ID: 112800416
#475-479 SUMNER
NORTHAMPTONBOYS2 LLC

Map ID: 112800415
#485-489 SUMNER
LENOX CHARITABLE FUND INC

Map ID: 112800414
#501 SUMNER
PETRAKIS REALTY LLC &
CARDINAL REALTY CO.

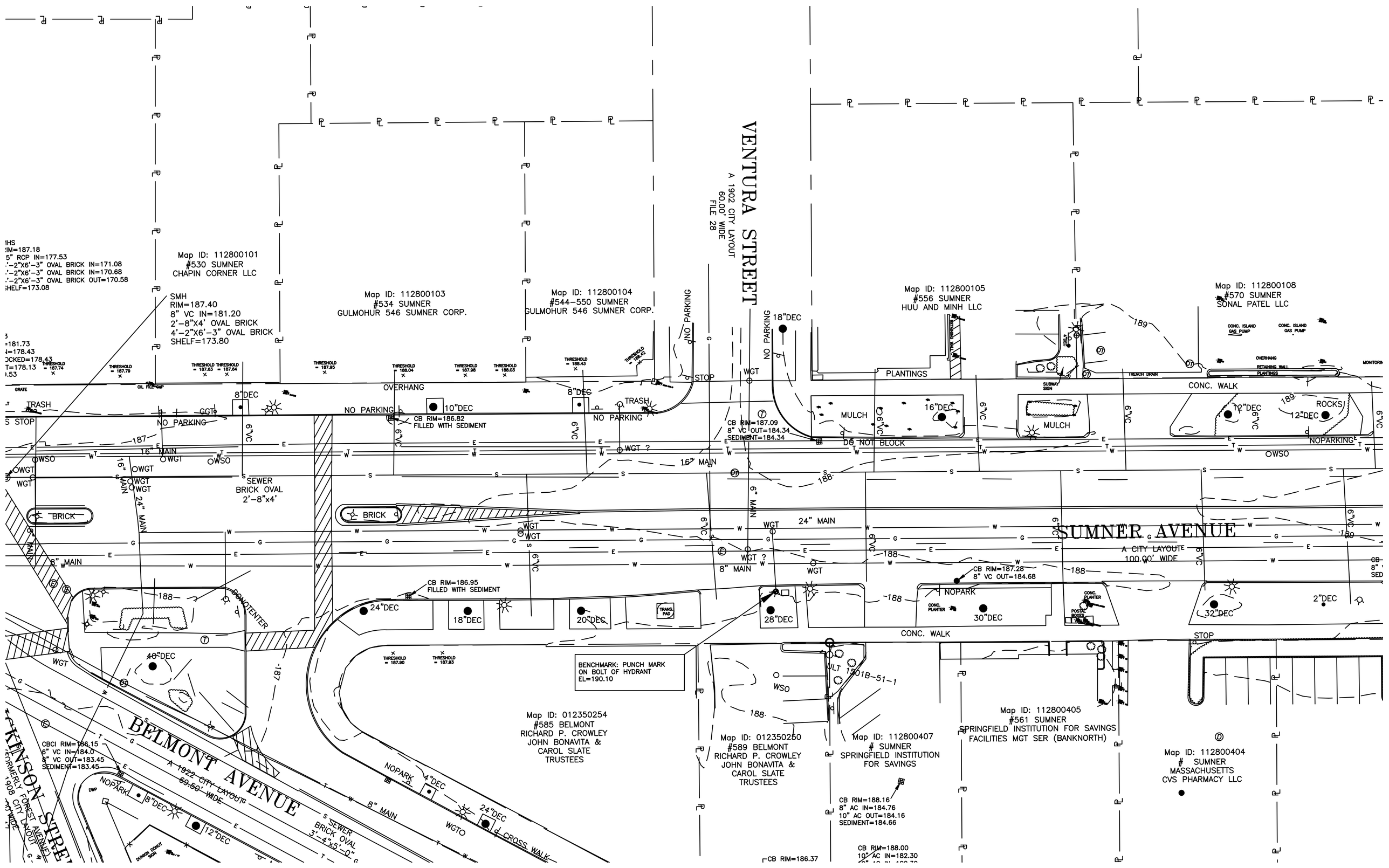
Map ID: 112800
#568 BL
SALMAR REA

BENCHMARK: TOP "1"
SPINDLE HYDRANT
EL=189.84

BENCHMARK: TOP
SPINDLE HYDRANT
EL=190.15

BENCHMARK: PINCH MARK
ON RIM OF HYDRANT
EL=189.12

SCALE: 1" = 20'
0 20 50 100



VENTURA STREET
A 1902 CITY LAYOUT
60.00' WIDE
FILE 28
SUMNER AVENUE
A CITY LAYOUT
100.00' WIDE
BELMONT AVENUE
A 1922 CITY LAYOUT
69.50' WIDE
Map ID: 112800101
#530 SUMNER
CHAPIN CORNER LLC
Map ID: 112800103
#534 SUMNER
GULMOHUR 546 SUMNER CORP.
Map ID: 112800104
#544-550 SUMNER
GULMOHUR 546 SUMNER CORP.
Map ID: 112800105
#556 SUMNER
HUU AND MINH LLC
Map ID: 112800108
#570 SUMNER
SONAL PATEL LLC
Map ID: 012350254
#585 BELMONT
RICHARD P. CROWLEY
JOHN BONAVITA &
CAROL SLATE
TRUSTEES
Map ID: 012350250
#589 BELMONT
RICHARD P. CROWLEY
JOHN BONAVITA &
CAROL SLATE
TRUSTEES
Map ID: 112800407
SUMNER
SPRINGFIELD INSTITUTION
FOR SAVINGS
Map ID: 112800405
#561 SUMNER
SPRINGFIELD INSTITUTION FOR SAVINGS
FACILITIES MGT SER (BANKNORTH)
Map ID: 112800404
SUMNER
MASSACHUSETTS
CVS PHARMACY LLC
SMH
RIM=187.40
8" VC IN=181.20
2'-8"X4' OVAL BRICK
4'-2"X6'-3" OVAL BRICK
SHELF=173.80
CB RIM=186.82
FILLED WITH SEDIMENT
CB RIM=187.09
8" VC OUT=184.34
SEDIMENT=184.34
CB RIM=186.95
FILLED WITH SEDIMENT
CB RIM=187.28
8" VC OUT=184.68
CBCI RIM=186.15
6" VC IN=184.0
8" VC OUT=183.45
SEDIMENT=183.45
BENCHMARK: PUNCH MARK
ON BOLT OF HYDRANT
EL=190.10
CB RIM=188.16
8" AC IN=184.76
10" AC OUT=184.16
SEDIMENT=184.66
CB RIM=188.00
10" AC IN=182.30
CB RIM=186.37
SEWER
BRICK OVAL
2'-8"x4'
SEWER
BRICK OVAL
3'-4"x5'-0"
OVERHANG
NO PARKING
STOP
PLANTINGS
MULCH
DO NOT BLOCK
CONC. WALK
CONC. ISLAND GAS PUMP
OVERHANG
RETAINING WALL
PLANTINGS
TRENCH DRAIN
SUBWAY SIGN
CONC. PLANTER
POSTAL BOXES
TRANS. PAD
DONOTENTER
CROSS WALK
NOPARK
NOPARKING
TRASH
BRICK
16" MAIN
24" MAIN
8" MAIN
6" MAIN
6"VC
WGT
WSO
WGT ?
ULT 1501B-51-1
18"DEC
16"DEC
12"DEC
8"DEC
10"DEC
24"DEC
18"DEC
20"DEC
28"DEC
30"DEC
32"DEC
2"DEC
40"DEC
4"DEC
12"DEC
8"DEC

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	X
PROJECT FILE NO.	XXXXXX		

SHEET NAME

X:\SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

SORRENTO STREET
A 1910 CITY LAYOUT
60.00' WIDE
FILE 340-I

POMONA STREET
A CITY LAYOUT
60.00' WIDE

SUMNER AVENUE
A CITY LAYOUT
100.00' WIDE

ORMOND STREET
A 1905 CITY LAYOUT
50.00' WIDE
FILE 188

DAYTONA STREET
A 1908 CITY LAYOUT
50.00' WIDE
FILE 337-F

Map ID: 112800108
#570 SUMNER
SONAL PATEL LLC

Map ID: 112800111
#590 SUMNER
S-BNK SPRINGFIELD LLC

Map ID: 112800112
#598-600 SUMNER
K S KANTOR LLC

Map ID: 112800113
#606 SUMNER
K S KANTOR LLC

Map ID: 112800114
#618 SUMNER
MA XIUYU

Map ID: 112800115
#624 SUMNER
DIEP SALLY PHUONG

Map ID: 112800116
#630 SUMNER
ADAN ESTRADA &
CARMEN D. RAMOS

Map ID: 112800399
SUMNER
ISLAND REALTY, INC.

Map ID: 112800404
SUMNER
MASSACHUSETTS
CVS PHARMACY LLC

Map ID: 112800405
561 SUMNER
NSTITUTION FOR SAVINGS
IGT SER (BANKNORTH)

Map ID: 012350246
BELMONT
NEW CREEK II LLC

Map ID: 012350247
MONT
NSTITUTION
NGS

Map ID: 112800396
#615 SUMNER
JOSEPHINE EVANS

Map ID: 112800397
#609 SUMNER
WILLIAM E. JR & LYN CUNNINGHAM
TRUSTEES

Map ID: 112800398
#603 SUMNER
AM-FAM NOMINEE TRUST

Map ID: 112800395
#619 SUMNER
GERARDO RIVERA

Map ID: 112800394
#629 SUMNER
JACKSON RUIZ

Map ID: 093700013
#17 ORMOND
JAMES W. PIDORE

Map ID: 093
#17 ORMC
REGINA Z. G

CB RIM=188.14
8" PVC IN=184.89
8" VC OUT=184.44
SEDIMENT=184.44

CB RIM=188.10
8" VC OUT=184.60

CB RIM=188.48
TOP OF BELL OUT=186.38
TOP WATER=185.88
SEDIMENT=184.58

CB RIM=188.50
8" VC OUT=185.30
SEDIMENT=185.30

CB RIM=189.55
8" PVC OUT=188.20
SEDIMENT=187.00

CB RIM=189.93
8" VC OUT=186.43
SEDIMENT=186.43

CB RIM=189.38
8" VC OUT=185.39
SEDIMENT=185.28

CB RIM=189.42
8" VC OUT=187.12
SEDIMENT=187.12

CB RIM=189.50
8" VC OUT=187.10
SEDIMENT=187.10

CB RIM=189.46
8" VC OUT=187.26
SEDIMENT=187.26

CB DFRAME RIM=188.21
8" VC OUT=185.36
SEDIMENT=185.36

BENCHMARK: TOP "1"
SPINDLE HYDRANT
EL=192.84

CB CI RIM=188.97
NO VISIBLE PIPE
SEDIMENT=186.17

CB ROUND RIM=189.78
8" VC OUT=186.18

CB CI RIM=190.02
NO PIPES VISIBLE
SEDIMENT=187.72

0 20 50 100
SCALE: 1" = 20'

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	X
PROJECT FILE NO.	XXXXXX		

SHEET NAME

X-SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

BEAUMONT STREET
CITY LAYOUT
A 1901
50.00' WIDE
FILE 62

BURLINGTON STREET
A 1922 CITY LAYOUT
60.00' WIDE

BELMONT AVENUE
A 1922 CITY LAYOUT
60.00' WIDE

Map ID: 012350280
#453 BELMONT
HSU LIANG MIN &
CUI QING ZHANG

Map ID: 012350278
#461 BELMONT
DO HOANG T &
XAY HUYNH

Map ID: 012350276
#463–465 BELMONT
MAJHI JAGAT &
SUK & BHIMA

Map ID: 012350274
#467–469 BELMONT
CHARLES R. LYONS

Map ID: 012350272
BELMONT
CARRIAGE FUNERAL
HOLDINGS INC.

Map ID: 012350271
BELMONT
CARRIAGE FUNERAL
HOLDINGS INC.

Map ID: 012350270
#483 BELMONT
FIORE RALPH S &
SANDRA DAKIS–FIORE

Map ID: 012350267
#457 BELMONT
VINCENZO R. M., ALFONSO M. &
MARGARET M. AMORE

Map ID: 012350265
#501 BELMONT
VINCENZO R. M. &
MARGARET M. AMORE

Map ID: 012350263
#505 BELMONT
509 BELMONT INC.

Map ID: 012350261
#511 BELMONT
VIEN & TROUNG NGUYEN

Map ID: 012350092
#450 BELMONT
MARTHA ALVARDO

Map ID: 012350094
#462 BELMONT
LOUIS GENOVESE &
CAROLYN SUPRENANT

Map ID: 012350095
S S BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 012350097
S S BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 012350099
S S BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 012350101
#486–494 BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 012350103
S S BELMONT
CARRIAGE FUNERAL HOLDINGS INC.

Map ID: 112800098
#470 SUMNER
CUMBERLAND FARMS INC.

Map ID: 112800095
#444 SUMNER
PERSAM SPRINGFIELD LLC

Map ID: 112800092
SUMNER

Map ID: 021000006
#20 BURLINGTON
ANTONIO CALVANESE

Map ID: 021000004
BURLINGTON
FIORE RALPH S &
SANDRA DAKIS–FIORE

Map ID: 021000012
#3 BURLINGTON
ANTHONY SANTARIELLO

Map ID: 021000013
#21 BURLINGTON
ANTHONY SANTARIELLO

BENCHMARK: PUNCH MARK
BOLT OF HYDRANT
EL=188.24

BENCHMARK: PUNCH MARK
BOLT OF HYDRANT
EL=189.81

CBCI RIM=186.54
8" VC OUT=183.14
SEDIMENT=183.14

CBCI RIM=185.80
6" VC OUT=183.20
SEDIMENT=181.55

CBCI RIM=185.65
6" PVC OUT=182.85
SEDIMENT=182.45

CBCI RIM=185.73
6" PVC OUT=182.33
SEDIMENT=182.33

CBCI RIM=185.54
6" PVC OUT=181.99
SEDIMENT=181.99

CBCI RIM=185.69
FILLED WITH
SEDIMENT

CB CI RIM=185.61
6" PVC OUT=181.56
SEDIMENT=181.51

CB RIM=187.50
8" AC 184.90
SEDIMENT=184.50

CB RIM=186.34
6" PVC OUT=183.69
SEDIMENT=183.14

CB CAN'T OPEN
RIM=186.42
SEDIMENT=184.52
WATER=184.82

CB RIM=186.59
6" PVC OUT=183.64
8" PVC OUT=184.04
SEDIMENT=183.39

CB RIM=186.91
8" PVC OUT=184.01
SEDIMENT=183.31

CB RIM=187.16
6" VC OUT=184.06
SUMP=184.06

CB RIM=187.20
6" PVC IN=184.70
6" VC OUT=183.80

CBCI RIM=187.10
6" PVC OUT=184.25
SEDIMENT=182.25

CB RIM=186.99
6" VC OUT=185.19
SEDIMENT=184.19

CB ROUND
RIM=187.41
8" VC OUT=184.26
SEDIMENT=183.96

CB RIM=187.44
12" HDPE OUT=183.34
SUMP=182.24

CB RIM=187.96
4"TOP 8" PVC BELL OUT=183.61
APPROXIMATE INVERT=182.89
SEDIMENT=182.96

CB RIM=187.37
12" HDPE OUT=183.07
SEDIMENT=181.97

CB RIM=187.04
8" OUT=
184.25

CB RIM=186.88
INVERT=182.15
SEDIMENT=182.15
NO VISIBLE PIPE

MHS
RIM=187.89
18" VC IN=176.64
21" VC OUT=176.59
21" VC OUT=177.89
SHELF=176.94

MHS
RIM=188.16
18" RCP IN=177.48
PVC BELL OUT=163.53
18" RCP OUT=177.48
SHELF=176.88

MHS
RIM=187.56
RIM=187.26
15" VC IN=178.46
10" VC IN (SW)=182.06
8" VC OUT=178.66
12" VC OUT=178.16
18" VC OUT=179.06
SHELF=179.06

MHS
RIM=187.89
18" VC IN=178.01
18" VC OUT=177.98
SHELF=176.36

DRY WELL
RIM=188.03

STOP/STREET

6" MAIN

8" MAIN

10"VC

12"VC

15"VC

15"SEWER

18"SEWER

CONC. WALK

STREET

BUS STOP

NO PARKING

24"DEC

14"DEC

12"DEC

6"DEC

4"DEC

3"DEC

20"DEC

TRASH

MULCH

VAULTS

RESERVED PARKING

RETAINING WALL

DECK

PORCH

SIGN

GAS METER

ACCESS PLATES

SCALE: 1" = 20

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	X
PROJECT FILE NO.		XXXXXX	

SHEET NAME

X-SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

GRENADA TERRACE
AN 1896 CITY LAYOUT
85.00' WIDE
BOOK 548 PAGE 601

BURLINGTON STREET

DICKINSON STREET
AN 1896 CITY LAYOUT
85.00' WIDE
BOOK 548 PAGE 601

Map ID: 039100075 #359 DICKINSON BISWA GANGA
Map ID: 039100476 #358 DICKINSON HUYNH HUAN
Map ID: 021000007 #24 BURLINGTON JOSEPHINE CIROSTA
Map ID: 021000006 #20 BURLINGTON ANTONIO CAVANESE
Map ID: 021000004 #16 BURLINGTON FIORE, RALPH S. & SANDRA DAKIS-FIORE
Map ID: 021000012 #25 BURLINGTON ANTHONY SANTANIELLO
Map ID: 021000013 #21 BURLINGTON ANTHONY SANTANIELLO
Map ID: 039100077 #368 DICKINSON FREEDOM PROPERTY GROUP LLC
Map ID: 039100078 #378-380 DICKINSON LE PHUNG M
Map ID: 039100079 #378-380 DICKINSON LE PHUNG M
Map ID: 039100081 #386 DICKINSON MINH TAI INC
Map ID: 039100084 #386-394 DICKINSON MEGA MEADOW REI LLC
Map ID: 039100086 #400 DICKINSON THOMAS & KIM VUONG
Map ID: 039100468 #337 DICKINSON JESSICA L BALL
Map ID: 039100464 #358 DICKINSON VU SAM LAP & KIM CHAM TANG TRUSTEES
Map ID: 039100461 DICKINSON CHAPIN CORNER LLC
Map ID: 039100458 #401 DICKINSON CHAPIN CORNER LLC
Map ID: 012350267 #487 BELMONT VINCENZO R. M., ALFONSO M. & MARGARET M. AMORE
Map ID: 012350265 #501 BELMONT VINCENZO R. M. & MARGARET M. AMORE
Map ID: 012350263 #505 BELMONT 509 BELMONT INC.
Map ID: 012350261 #511 BELMONT VIEN & TROUNG NGUYEN
Map ID: 012350259 BELMONT MINH TAI INC
Map ID: 012350258 #523 BELMONT MINH TAI INC
Map ID: 112800099 #512 SUMNER BRIAN M. & JACQUELINE M. TORPEY

CBCI RIM=187.27 10" VC OUT=183.69 SEDIMENT=183.37
CBCI RIM=187.22 10" VC OUT=183.52 SEDIMENT=183.32
BENCHMARK: PUNCH MARK ON BOLT OF HYDRANT EL=190.28
CBCI RIM=187.02 10" VC OUT (N)=183.32 10" VC OUT (S)=183.52 SEDIMENT=183.52
CBCI 10" VC OUT=183.28 SEDIMENT=183.28
CB CI RIM=187.46 10" VC IN=183.36 10" VC IN(N)=183.56 12" CMP OUT=183.11 SEDIMENT=183.06
CBCI RIM=187.20 10" VC OUT=184.0 SEDIMENT=183.4
CBCI RIM=187.38 10" VC IN=183.58 SEDIMENT=183.38
CBCI RIM=187.28 10" VC OUT=182.14 SEDIMENT=182.14
CBCI RIM=186.76 10" VC OUT=182.91 SEDIMENT=182.36
CB RIM=187.27 10" PVC OUT=182.67 SEDIMENT=182.67
CBCI RIM=186.57 10" PVC IN=182.53 SEDIMENT=182.07
CBCI RIM=186.21 10" VC OUT=182.46 SEDIMENT=182.41
CBCI RIM=186.26 10" VC OUT=182.16 SEDIMENT=182.16
DRY WELL RIM=188.03
CB RIM=187.20 6" PVC IN=184.70 6" VC OUT=183.80
CBCI RIM=186.91 8" PVC OUT=184.01 SEDIMENT=183.31
CBCI RIM=187.10 6" PVC OUT=184.25 SEDIMENT=182.25
CBCI RIM=186.91 8" PVC OUT=183.26 SEDIMENT=182.71
DMH RIM=186.64 10"VC IN=182.49 10" VC OUT=182.24 SHELF=182.24
MHS RIM=187.18 15" RCP IN 4'-2"X6'-1" 4'-2"X6'-1" 4'-2"X6'-1" SHELF
MHD RIM=186 10" VC 15" P 12" P 12" P SHELF
BENCHMARK: PUNCH MARK ON BOLT OF HYDRANT EL=189.12
BENCHMARK: TOP "I" SPINDLE HYDRANT EL=189.84

SCALE: 1"=20'

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	X

PROJECT FILE NO.: XXXXXX

SHEET NAME

X-SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

T AVENUE
CITY LAYOUT
0' WIDE

BELMONT AVENUE
A 1922 CITY LAYOUT
69.50' WIDE

COMMONWEALTH AVENUE
A 1903 CITY LAYOUT
50.00' WIDE
FILE 26

DICKINSON STREET
(FORMERLY FOREST AVENUE)
A 1908 CITY LAYOUT
60.00' WIDE
FILE 27

TRENTON STREET
A 1927 CITY LAYOUT
50.00' WIDE
PLAN 5 PAGE 24

CLIFTWOOD STREET
(FORMERLY LENOX ALLEY EXT.)
A 1957 CITY LAYOUT
PLAN BOOK 109 PAGE 110

BENCHMARK: PUNCH MARK ON BOLT OF HYDRANT EL=189.50

BENCHMARK: PUNCH MARK ON BOLT OF HYDRANT EL= 185.60

Map ID: 012350108
#568 BELMONT
SALMAR REALTY LLC

Map ID: 012350107
#582-586 BELMONT
FDC LLC

Map ID: 012350110
#600 BELMONT
ANNE E. COUNOS
TRUSTEE

Map ID: 012350112
#616 BELMONT
THUY TINA NGUYEN

Map ID: 012350114
#624 BELMONT
CHRISTOPHER DMD & PAUL
DONOHUE

Map ID: 039100453
E S DICKINSON
SALMAR REALTY LLC

Map ID: 039100447
#459 DICKINSON
KARAASLAN REALTY LLC

Map ID: 039100444
E S DICKINSON
KARAASLAN REALTY LLC

Map ID: 039100443
#473 DICKINSON
WILFREDO LOPEZ JR

Map ID: 039100442
#483 DICKINSON
ROLANDE M. KENEFICK

Map ID: 039100094
W S DICKINSON
SPRINGFIELD
HOUSING AUTHORITY

Map ID: 039100096
#448 DICKINSON
DICKINSON STREET
MANAGEMENT LLC

Map ID: 039100098
#452 DICKINSON
DICKINSON STREET
MANAGEMENT LLC

Map ID: 039100100
#458 DICKINSON
DICKINSON STREET
MANAGEMENT LLC

Map ID: 039100104
#464 DICKINSON
KEVIN M. SEARTS

Map ID: 028900024
#95 CLIFTWOOD
FRANK & MARIA RASCHILLA

Map ID: 028900026
#89 CLIFTWOOD
MORRISETTE PROPERTIES LLC

Map ID: 030950002
#6-10 COMMONWEALTH
KATHLEEN STEVENS-ARVANITIS
TRUSTEE

Map ID: 030950003
#14-16 COMMONWEALTH
HATHI & BINH T. NGUYEN

Map ID: 030950004
#24-26 COMMONWEALTH
TAMANG DAWA W &
DURGA TIWARI

Map ID: 030950005
#30 COMMONWEALTH
CEDRIC & JAMES CRAPPS

Map ID: 030950006
#34-36 COMMONWEALTH
MIKE NYGUEN

Map ID: 030950
#38-40 COMMONWEA
NGO GAN LAM

Map ID: 116400004
N S TRENTON
FDC LLC

Map ID: 116400009
#1 TRENTON
JAVIER E. GOZALEZ

0 20 50 100
SCALE: 1" = 20'

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	X
	PROJECT FILE NO.	XXXXXX	

SHEET NAME

X-SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

SUMNER AVENUE
A CITY LAYOUT
100.00' WIDE

BELMONT AVENUE
A 1922 CITY LAYOUT
69.50' WIDE

ORMOND STREET
A 1905 CITY LAYOUT
50.00' WIDE
PAGE 198

Map ID: 112800108
#570 SUMNER
SONAL PATEL LLC

Map ID: 112800407
SUMNER
SPRINGFIELD INSTITUTION
FOR SAVINGS

Map ID: 112800405
#561 SUMNER
SPRINGFIELD INSTITUTION FOR SAVINGS
FACILITIES MGT SER (BANKNORTH)

Map ID: 112800404
SUMNER
MASSACHUSETTS
CVS PHARMACY LLC

Map ID: 112800399
SUMNER
ISLAND REALTY, INC.

Map ID: 112800398
#603 SUMNER
AM-FAM NOMINEE TRUST
WILLIAM E. JR. & TRUSTEE

Map ID: 012350247
BELMONT
SPRINGFIELD INSTITUTION
FOR SAVINGS

Map ID: 012350246
BELMONT
NEW CREEK II LLC

Map ID: 012350245
BELMONT
NEW CREEK II LLC

Map ID: 012350242
#615 BELMONT
NEW CREEK II LLC

Map ID: 012350112
#616 BELMONT
THUY TINA NGUYEN

Map ID: 012350238
#645 BELMONT
WOODSIDE REALTY LLC

Map ID: 08370013
#11 ORMOND
JAMES W. FORE

Map ID: 08370012
#17 ORMOND
REGINA Z. GIBSON

Map ID: 08370011
#21 ORMOND
ADRIAN A. RODRIGUEZ

Map ID: 08370010
#25 ORMOND
MICHAEL & ANTONIA
ZLEMBEKAKIS

BENCHMARK: PUNCH MARK
ON BOLT OF HYDRANT
EL=189.50

BENCHMARK: PUNCH
ON BOLT OF HYDRAN
EL=190.12

SCALE: 1" = 20'

0 10 20 50 100

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	-	7	XX

PROJECT FILE NO. XXXXX

SHEET NAME

X:\SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

028900010
LIFTWOOD
LAFORTUNE

Map ID: 076800005
W S LENOX
NORTHAMPTONBOYS2 LLC

Map ID: 076800010
E S LENOX
LUIS M. TORRES

Map ID: 028900028
N S CLIFTWOOD
WALGREEN EASTERN CO. INC.

Map ID: 028900026
#89 CLIFTWOOD
MORRISETTE PROPERTIES LLC

Map ID: 028900024
#95 CLIFTWOOD
FRANK & MARIA RASCHILLA

Map ID: 039100096
#52 DICKINSON
DICKINSON STREET
MENT LLC

Map ID: 039100098
#42 DICKINSON
DICKINSON STREET
MANAGEMENT LLC

Map ID: 039100100
#28 DICKINSON
DICKINSON STREET
MANAGEMENT LLC

Map ID: 039100104
#64 DICKINSON
KEITH M. SEARS

Map ID: 039100303
#501 SUMNER
SPRINGFIELD HOUSING AUTHORITY
BOOK 2894 PAGE 147

CLIFTWOOD STREET
A 1921 CITY LAYOUT
PLANS K PAGE 64

LENOX STREET
A 1904 CITY LAYOUT
VARIABLE WIDTH
FILE 163

CLIFTWOOD STREET
(FORMERLY LENOX ALLEY EXT.)
A 1967 CITY LAYOUT
PLAN BOOK 109 PAGE 110

DICKINSON STREET
(FORMERLY FOREST AVENUE)
A 1908 CITY LAYOUT
60.00 WIDE

RETAINING WALL/PLANTER/OVERHANG

0 20 50 100
SCALE: 1" = 20'

CITY/TOWN
STREET/ROUTE # OR NAME

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	X
PROJECT FILE NO.	XXXXXX		

SHEET NAME

X:\SPRINGFIELD 06-05-2017.DWG Plotted on 7-Dec-2017 3:13 PM

PARKWOOD STREET
A 1902 CITY LAYOUT
50.00' WIDE
FILE 107

CLIFTWOOD STREET
A 1904 CITY LAYOUT
VARIABLE WIDTH
FILE 243 C

CLIFTWOOD STREET
A 1921 CITY LAYOUT
PLANS K PAGE 64

Map ID: 095300009
#42 PARKWOOD
EMERALD CITY RENTALS LLC

Map ID: 095300010
#39 PARKWOOD
ELLEN J. POLLOCK

Map ID: 028900009
#42 CLIFTWOOD
MONIQUE C. HERRELL &
LARRY ALEXANDER WHITAKER

Map ID: 028900010
#39 CLIFTWOOD
ERIC W. LAFORTUNE

Map ID: 076800005
W S LENOX
NORTHAMPTONBOYS2 LLC

Map ID: 112800460
#299 SUMNER
THE CITY OF SPRINGFIELD
FOREST PARK

ULT NO NUMBER UG
MBNK PM BOLT-HYD
12"DEC
24"DEC
48"DEC
12"DEC
16"DEC
24-28"DEC-TWIN
20"DEC-DEAD
16"DEC
14"DEC
20"DEC
24"CON
34"CON
18"DEC
20"DEC
14"DEC VGT
26"DEC VGT
20"DEC
20"DEC
20"DEC

FUSS & O'NEILL

Sumner Avenue (Route 83) / Dickinson Street / Belmont Avenue (Route 83) 100% Submittal

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	1	358
	PROJECT FILE NO. 608717		

TITLE SHEET & INDEX

PLAN AND PROFILE OF

SUMNER AVENUE (ROUTE 83)/DICKINSON STREET/ BELMONT AVENUE (ROUTE 83)

IN THE CITY OF

SPRINGFIELD

HAMPDEN COUNTY

FEDERAL AID PROJECT NO. XXXXXXXXXX

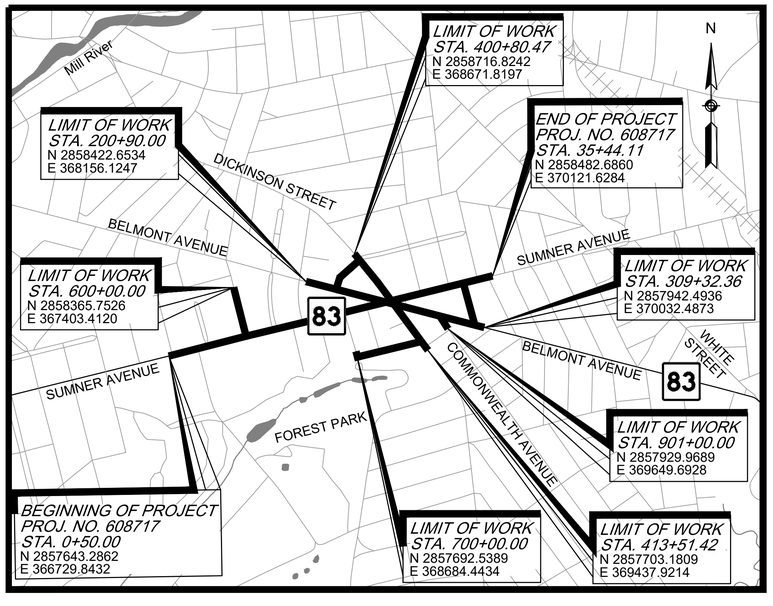
100% SUBMITTAL

THESE PLANS ARE SUPPLEMENTED BY THE OCTOBER 2022 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, 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.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2	LEGEND & GENERAL NOTES
3 - 4	KEY PLAN & BORING LOCATIONS
5 - 6	BORING LOGS
7 - 16	TYPICAL SECTIONS
17 - 34	CONSTRUCTION PLANS
35 - 38	PROFILE - SUMNER AVENUE
39 - 46	PROFILE - SIDE STREETS
47 - 65	CURB & BASELINE TIE PLANS
66 - 84	GRADING PLANS
85 - 102	PAVEMENT MARKING & SIGNING PLANS
103 - 106	TRAFFIC SIGN SUMMARY
107 - 112	TRAFFIC SIGNAL PLANS
113 - 120	TEMPORARY TRAFFIC CONTROL PLANS
121 - 141	DRAINAGE & UTILITY PLANS
142 - 160	UTILITY PLANS - WATERMAIN
161 - 180	UTILITY PLANS - TEMPORARY WATER BYPASS PLANS
181 - 196	PLANTING PLANS
197 - 216	STREETSCAPE PLANS
217 - 226	CONSTRUCTION DETAILS
227 - 236	PEDESTRIAN CURB RAMP/DRIVEWAY DETAILS
237 - 358	CROSS SECTIONS

Note: Included in this reduced plan set are the following applicable sections:
- Title Sheet & Index
- Legend & General Notes
- Key Plan & Boring Locations
- Construction Plans
- Pavement Marking & Signing Plans
- Temporary Traffic Control Plans
- Planting Plans
- Streetscape Plans



750 0 375 750
SCALE IN FEET

LENGTH OF PROJECT = 3,494.11 FEET = 0.662 MILES (SUMNER AVE)

DESIGN DESIGNATION (SUMNER AVENUE (ROUTE 83))

DESIGN SPEED	30 MPH
ADT (2015)	21,344 vpd
ADT (2035)	26,044 vpd
K	8%
D	54% (WB)
T (PEAK HOUR)	6.7%
T (AVERAGE DAY)	4.5%
DHV	2080 vph
DDHV	1128 vph
FUNCTIONAL CLASSIFICATION	URBAN PRINCIPAL ARTERIAL

DESIGN DESIGNATION (DICKINSON STREET)

DESIGN SPEED	30 MPH
ADT (2015)	7,887 vpd
ADT (2035)	9,624 vpd
K	7.8%
D	54% (NB)
T (PEAK HOUR)	5.7%
T (AVERAGE DAY)	3.0%
DHV	755 vph
DDHV	406 vph
FUNCTIONAL CLASSIFICATION	URBAN MINOR ARTERIAL

DESIGN DESIGNATION (BELMONT AVENUE (ROUTE 83))

DESIGN SPEED	30 MPH
ADT (2015)	8,525 vpd
ADT (2035)	10,402 vpd
K	8.4%
D	50% (EB)
T (PEAK HOUR)	5.8%
T (AVERAGE DAY)	3.6%
DHV	870 vph
DDHV	437 vph
FUNCTIONAL CLASSIFICATION	URBAN PRINCIPAL ARTERIAL

DATE	DESCRIPTION	REV #
5-5-2023	100% SUBMISSION	1
11-11-2021	75% SUBMISSION	1
4-13-2018	25% SUBMISSION	1
11-29-2017	PRE-25% SUBMISSION	0

massDOT Massachusetts Department of Transportation Highway Division

FUSS & O'NEILL
1550 MAIN STREET, SUITE 400
SPRINGFIELD, MA 01103
413.452.0445
www.fando.com

APPROVED

CHIEF ENGINEER **DATE**

20121457A70_COV01.DWG Plotted on 5-May-2023 4:58 PM

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
JB	JB	JERSEY BARRIER ON BRIDGE OR JERSEY BARRIER
CB		CATCH BASIN
CBCI		CATCH BASIN CURB INLET
LB		LEACHING BASIN
DI		DROP INLET
CONC. HDR		CONCRETE HEADWALL
STONE HDR		STONE HEADWALL
FP		FLAG POLE
GP		GAS PUMP
MB		MAIL BOX
		POST SQUARE
		POST CIRCULAR
WELL		WELL
EHH		ELECTRIC HANDHOLE
		FENCE GATE POST
GG	GG	GAS GATE
BHL #	BHL #	BORING HOLE
MW #	MW #	MONITORING WELL
TP #	TP #	TEST PIT
		HYDRANT
		LIGHT POLE
CO.BD.		COUNTY BOUND
		GPS POINT
Ⓒ	Ⓒ	CABLE MANHOLE
Ⓓ	Ⓓ	DRAINAGE MANHOLE
Ⓔ	Ⓔ	ELECTRIC MANHOLE
Ⓖ	Ⓖ	GAS MANHOLE
Ⓜ		MISC MANHOLE
Ⓢ	Ⓢ	SEWER MANHOLE
Ⓣ	Ⓣ	TELEPHONE MANHOLE
Ⓦ	Ⓦ	WATER MANHOLE
MHB	MHB	MASSACHUSETTS HIGHWAY BOUND
MON		MONUMENT
SB		STONE BOUND
TB		TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
TPL or GUY		TROLLEY POLE OR GUY POLE
HTP		TRANSMISSION POLE
UFB		UTILITY POLE W/ FIREBOX
UPDL		UTILITY POLE WITH DOUBLE LIGHT
ULT		UTILITY POLE W / 1 LIGHT
UPL		UTILITY POLE
		BUSH
SIZE & TYPE		TREE
		STUMP
		SWAMP / MARSH
WF—#		WETLAND FLAG
WG	WG	WATER GATE
PM		PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
		CONTOURS
—99—		UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
—100—		UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)
		BALANCE STONE WALL
		RETAINING WALL
		DOUBLE FACED WALL (CONCRETE OR MASONRY)
		GUARD RAIL - STEEL POSTS
		GUARD RAIL - WOOD POSTS
X	X	CHAIN LINK OR METAL FENCE
		WOOD FENCE (STOCKADE OR PICKET)
		WOOD RAIL FENCE
		HAY BALES/SILT FENCE
		TREE LINE OR LIMIT OF CLEARING AND GRUBBING
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		100 FT WETLAND BUFFER
		200 FT RIVERFRONT BUFFER
		STATE HIGHWAY LAYOUT
		TOWN OR CITY LAYOUT
		COUNTY LAYOUT
		RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		PROPERTY LINE OR APPROXIMATE PROPERTY LINE
		EASEMENT

TRAFFIC SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
1	1	CONTROLLER PHASE ACTUATED
		TRAFFIC SIGNAL HEAD (SIZE AS NOTED)
		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)
		VIDEO DETECTION CAMERA
		MICROWAVE DETECTOR
		PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE
	*	EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT
		VEHICULAR SIGNAL HEAD
		VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)
RRSG	RRSG	RAILROAD SIGNAL
OR		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
	20'	MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
	20'	MAST ARM WITH LUMINAIRE
		OPTICAL PRE-EMPTION DETECTOR
		CONTROL CABINET, GROUND MOUNTED
		CONTROL CABINET, POLE MOUNTED
		FLASHING BEACON CONTROL AND METER PEDESTAL
		LOAD CENTER ASSEMBLY
		PULL BOX 12"x12" (OR AS NOTED)
		ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)
		TRAFFIC SIGNAL CONDUIT

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
ONLY	ONLY	LEGEND "ONLY" - WHITE
	SL	12" STOP LINE
	CW	24" CROSSWALK
	SWL	6" SOLID WHITE LINE
	SYL	6" SOLID YELLOW LINE
	BWL	6" BROKEN WHITE LINE (10' MARK - 30' SKIP)
	BYL	6" BROKEN YELLOW LINE (10' MARK - 30' SKIP)
	DWL	6" DOTTED WHITE LINE (2' MARK - 6' SKIP)
	DYL	6" DOTTED YELLOW LINE (2' MARK - 6' SKIP)
	DWLEx	6" DOTTED WHITE LINE EXTENSION (2' MARK - 6' SKIP)
	DYLEx	6" DOTTED YELLOW LINE EXTENSION (2' MARK - 6' SKIP)
	DBWL	6" DOUBLE WHITE LINE
	DBYL	6" DOUBLE YELLOW LINE

TRAFFIC SIGNAL ABBREVIATIONS

CAB.	CABINET
CCVE	CLOSED CIRCUIT VIDEO EQUIPMENT
DW	STEADY DON'T WALK
FDW	FLASHING DON'T WALK
FR	FLASHING CIRCULAR RED
FRL	FLASHING RED LEFT ARROW
FRR	FLASHING RED RIGHT ARROW
FY	FLASHING CIRCULAR AMBER
FYL	FLASHING AMBER LEFT ARROW
FYR	FLASHING AMBER RIGHT ARROW
G	STEADY CIRCULAR GREEN
GL	STEADY GREEN LEFT ARROW
GR	STEADY GREEN RIGHT ARROW
GSL	STEADY GREEN SLASH LEFT ARROW
GSR	STEADY GREEN SLASH RIGHT ARROW
GV	STEADY GREEN VERTICAL ARROW
OL	OVERLAP
PED	PEDESTRIAN
PTZ	PAN, TILE, ZOOM

TRAFFIC SIGNAL ABBREVIATIONS(cont.)

R	STEADY CIRCULAR RED
RL	STEADY RED LEFT ARROW
RR	STEADY RED RIGHT ARROW
TR SIG	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CONDUIT
W	STEADY WALK
Y	STEADY CIRCULAR AMBER
YL	STEADY AMBER LEFT ARROW

ABBREVIATIONS

GENERAL

AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ	ADJUST
APPROX.	APPROXIMATE
A.C.	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
BIT.	BITUMINOUS
BC	BOTTOM OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BO	BY OTHERS
BOS	BOTTOM OF SLOPE
BR.	BRIDGE
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCM	CEMENT CONCRETE MASONRY
CEM	CEMENT
CI	CURB INLET
CIP	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CSP	CORRUGATED STEEL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CR GR	CROWN GRADE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
ELEV (or EL.)	ELEVATION
EMB	EMBANKMENT
EOP	EDGE OF PAVEMENT
EXIST (or EX)	EXISTING
EXC	EXCAVATION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDN.	FOUNDATION
FLDSTN	FIELDSTONE
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD	GUARD
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HYD	HYDRANT
INV	INVERT
JCT	JUNCTION
L	LENGTH OF CURVE
LB	LEACH BASIN
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO.	NUMBER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	PEDESTRIAN CURB RAMP
P.G.L.	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CURVATURE
PROJ	PROJECT
PROP	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY

ABBREVIATIONS (cont.)

GENERAL

PVMT	PAVEMENT
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
ROW	RIGHT OF WAY
RR	RAILROAD
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
RT	RIGHT
SB	STONE BOUND
SHLD	SHOULDER
SMH	SEWER MANHOLE
ST	STREET
STA	STATION
SSD	STOPPING SIGHT DISTANCE
SHLO	STATE HIGHWAY LAYOUT LINE
SW	SIDEWALK
T	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TEMP	TEMPORARY
TC	TOP OF CURB
TOS	TOP OF SLOPE
TYP	TYPICAL

ABBREVIATIONS (cont.)

GENERAL

UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
WG	WATER GATE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
X-SECT	CROSS SECTION

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	2	358
	PROJECT FILE NO. 608717		

LEGEND & GENERAL NOTES

GENERAL NOTES:

1. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE, AND WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. NO GUARANTEE TO THE ACCURACY OF THE EXISTING UTILITIES FACILITIES SHOWN IN THIS PROJECT IS EXPRESSED OR IMPLIED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL CONTACT "Mass DIG-SAFE", 1-888-344-7233. CONTRACTOR SHALL MAINTAIN MARKINGS WHERE NEEDED DURING PROJECT. ALL UTILITY LOCATIONS THAT DO NOT MATCH THE VERTICAL OR HORIZONTAL CONTROL SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITIES AND SERVICE LATERALS PRIOR TO CONSTRUCTION. ANY CONFLICTS WITH LOCATIONS OF LIGHT POLES, TREES, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION.
2. VERIZON UNDERGROUND TELEPHONE: THE PROPOSED UNDERGROUND TELEPHONE RELOCATIONS AS SHOWN ASSUMES INSUFFICIENT COVER DUE TO PROPOSED ROADWAY WORK. ACTUAL LIMITS OF PROPOSED UNDERGROUND TELEPHONE RELOCATIONS WILL BE DETERMINED IN THE FIELD BY TEST PITS. IF COVER CAN NOT BE ACHIEVED VERIZON PREFERS TO LOWER THE LINES IN PLACE.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL AND STATE APPROVALS AND PERMITS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS OF THE LOCAL AND STATE AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK INCLUDING BUT NOT LIMITED TO CITY SIDEWALK AND EXCAVATION PERMITS AND ASSOCIATED BONDING.
4. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND STRUCTURES. THOSE OF WHICH HAVE BEEN DAMAGED SHALL BE PROMPTLY REPAIRED TO EXISTING OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
5. THE ROADWAY IS TO BE GRADED SMOOTHLY AND EVENLY IN ACCORDANCE WITH THE GRADING AND TIE PLANS, PROFILE, AND CROSS SECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR INSURING A POSITIVE DRAINAGE FLOW TO ALL CATCH BASINS WITHOUT CREATING ANY FLAT SPOTS THAT WILL RESULT IN STANDING WATER.
6. THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS TO REMOVE ANY PERSONAL ITEMS, LANDSCAPING, PLANT BULBS, PAVERS LOCATED IN THE TEMPORARY EASEMENT, CITY LAYOUT, AND MassDOT LAYOUT.
7. ANY PUBLIC OR PRIVATE PROPERTY DISTURBED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESTORED AS QUICKLY AS POSSIBLE AND TO THE SATISFACTION OF THE ENGINEER.
8. RIM OR FRAME ELEVATIONS OF ALL UTILITY STRUCTURES SHALL BE ADJUSTED TO MEET FINISHED PAVED SURFACES. PRIVATE UTILITIES WHO ARE RESPONSIBLE FOR ADJUSTING THEIR OWN STRUCTURES SHALL BE NOTIFIED AT LEAST 2 WEEKS IN ADVANCE BY THE CONTRACTOR.
9. STAGING AREAS AND MATERIAL STOCK PILES SHALL BE LIMITED WITHIN THE SITE AND LOCATED SO AS NOT TO INTERFERE WITH PEDESTRIAN OR VEHICULAR TRAFFIC UNLESS APPROVED OTHERWISE BY THE MassDOT AND THE CITY OF SPRINGFIELD. THE CONTRACTOR SHALL PROVIDE SAFETY DEVICES (IF ORDERED BY THE ENGINEER) TO PROTECT STOCK PILES/WORK STAGING AREAS. IF THIS WORK IS SO ORDERED THERE WILL BE NO ADDITIONAL COMPENSATION MADE TO THE CONTRACTOR.
10. HOURS OF WORK SHALL BE DEFINED IN THE CONTRACT DOCUMENTS. THE CITY OF SPRINGFIELD & MassDOT RESERVE THE RIGHT TO ADJUST THESE HOURS IN THE INTEREST OF PUBLIC SAFETY.
11. ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES. FOR SECURITY REASONS ALL PRIVATELY OWNED FENCING THAT IS TO BE REMOVED SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL.
12. INSTALL SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. EXISTING AND PROPOSED CATCH BASINS DOWNGRADE OF ALL WORK AREAS SHALL BE SURROUNDED BY EROSION CONTROL MEASURES DURING CONSTRUCTION.

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SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	3	358
	PROJECT FILE NO. 608717		

KEY PLAN & BORING LOCATIONS

N

LIMIT OF WORK
STA 600+00.00
N2858365.7526
E367403.4120

LIMIT OF WORK
STA 201+00.00
N2858420.1479
E368165.8058

LIMIT OF WORK
STA 400+80.47
N2858716.8242
E368671.8197

BEGINNING OF PROJECT
STA. 0+50.00
N 2857643.2862
E 366729.8432

CONSTRUCTION PLAN SHEET 32
MARKING PLAN SHEET 100

CONSTRUCTION PLAN SHEET 25
MARKING PLAN SHEET 93

CHURCHILL STREET (PUBLIC)
SUMNER TERRACE (PUBLIC)
OAKLAND STREET (PUBLIC)
KENWOOD TERRACE (PUBLIC)
BEAUMONT STREET (PUBLIC)
BELMONT AVENUE (PUBLIC)
BURLINGTON STREET (PUBLIC)
DICKINSON STREET (PUBLIC)
SUMNER AVENUE (ROUTE 83) (PUBLIC)
MAIN GREETING ROAD (PUBLIC)
CONTINENTAL STREET (PUBLIC)
PARKWOOD STREET (PUBLIC)
CLIFTWOOD STREET (PUBLIC)
LENOX STREET (PUBLIC)

PAVEMENT CORE C-6
PAVEMENT CORE C-4
PAVEMENT CORE C-1
BORING B-1
BORING B-2
BORING B-4
BORING B-5
BORING B-6
BORING B-7

600+00 601 602 603 605+39.50
200+00 250+00 400+00 208+20.94
700+00 701 702 703 704 705
254+23.80

CONTINUED ON SHEET NO. 4
CONTINUED ON SHEET NO. 4

CONSTRUCTION PLAN SHEET 26
MARKING PLAN SHEET 94
CONSTRUCTION PLAN SHEET 27
MARKING PLAN SHEET 95
CONSTRUCTION PLAN SHEET 28
MARKING PLAN SHEET 96
CONSTRUCTION PLAN SHEET 29
MARKING PLAN SHEET 97
CONSTRUCTION PLAN SHEET 30
MARKING PLAN SHEET 98

LIMIT OF WORK
STA 700+00.00
N2857692.5389
E368684.4434

CONSTRUCTION PLAN SHEET 17
MARKING PLAN SHEET 85

CONSTRUCTION PLAN SHEET 18
MARKING PLAN SHEET 86

CONSTRUCTION PLAN SHEET 19
MARKING PLAN SHEET 87

CONSTRUCTION PLAN SHEET 20
MARKING PLAN SHEET 88

CONSTRUCTION PLAN SHEET 21
MARKING PLAN SHEET 89

CONSTRUCTION PLAN SHEET 34
MARKING PLAN SHEET 102

CONSTRUCTION PLAN SHEET 33
MARKING PLAN SHEET 101

0 80 200 300
SCALE: 1" = 80'

20121457A70_KEY01.DWG Plotted on 5-May-2023 2:21 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	4	358
	PROJECT FILE NO.	608717	

KEY PLAN & BORING LOCATIONS

20121457A70_KEY01.DWG Plotted on 5-May-2023 2:21 PM

N

LIMIT OF WORK
STA 201+00.00
N2858420.1479
E368165.8058

LIMIT OF WORK
STA 400+80.47
N2858716.8242
E368671.8197

END OF PROJECT
STA. 35+44.11
N 2858482.6860
E 370121.6284

LIMIT OF WORK
STA 700+00.00
N2857692.5389
E368684.4434

LIMIT OF WORK
STA 413+51.42
N2857703.1809
E369437.9214

LIMIT OF WORK
STA 901+00.00
N2857929.9689
E369649.6928

LIMIT OF WORK
STA 309+32.36
N2857942.4936
E370032.4873

BEAUMONT STREET (PUBLIC)
BELMONT AVENUE (PUBLIC)
BURLINGTON STREET (PUBLIC)
DICKINSON STREET (PUBLIC)
GRENADA TERRACE (PUBLIC)
VENTURA STREET (PUBLIC)
SORRENTO STREET (PUBLIC)
POMONA STREET (PUBLIC)
SUMNER AVENUE (PUBLIC)
DAYTONA STREET (PUBLIC)
ORMOND STREET (PUBLIC)
BELMONT AVENUE (ROUTE 83) (PUBLIC)
COMMONWEALTH AVENUE (PUBLIC)
TRENTON STREET (PUBLIC)
CLIFTWOOD STREET (PUBLIC)
PARKWOOD STREET (PUBLIC)
LENOX STREET (PUBLIC)
CONTINENTAL STREET (PUBLIC)

PAVEMENT CORE C-6
PAVEMENT CORE C-4
PAVEMENT CORE C-2
PAVEMENT CORE C-5
PAVEMENT CORE C-3
PAVEMENT CORE C-8
PAVEMENT CORE C-9

BORING B-4
BORING B-5
BORING B-6
BORING B-7
BORING B-8
BORING B-9
BORING B-10
BORING B-11

208+20.94
254+23.80
353+14.14
350+00
902+45.21
504+53.65
707+59.86
414+40.71

CONSTRUCTION PLAN SHEET 25
MARKING PLAN SHEET 93
CONSTRUCTION PLAN SHEET 29
MARKING PLAN SHEET 97
CONSTRUCTION PLAN SHEET 23
MARKING PLAN SHEET 91
CONSTRUCTION PLAN SHEET 24
MARKING PLAN SHEET 92
CONSTRUCTION PLAN SHEET 26
MARKING PLAN SHEET 94
CONSTRUCTION PLAN SHEET 31
MARKING PLAN SHEET 99
CONSTRUCTION PLAN SHEET 28
MARKING PLAN SHEET 96
CONSTRUCTION PLAN SHEET 27
MARKING PLAN SHEET 95
CONSTRUCTION PLAN SHEET 30
MARKING PLAN SHEET 98
CONSTRUCTION PLAN SHEET 20
MARKING PLAN SHEET 88
CONSTRUCTION PLAN SHEET 21
MARKING PLAN SHEET 89
CONSTRUCTION PLAN SHEET 22
MARKING PLAN SHEET 90
CONSTRUCTION PLAN SHEET 34
MARKING PLAN SHEET 102
CONSTRUCTION PLAN SHEET 33
MARKING PLAN SHEET 101

CONTINUED ON SHEET NO. 3
CONTINUED ON SHEET NO. 3

0 80 200 300
SCALE: 1" = 80'

HIGHWAY GUARD DETAILS	TRAFFIC SIGNAL CONDUIT	WATER SUPPLY ALTERATIONS	DRAINAGE DETAILS
NONE	NONE	SEE SHEET 142	SEE SHEET 121

LEGEND:

- FULL DEPTH PAVEMENT RECONSTRUCTION
- STAMPED CONCRETE
- PEDESTRIAN CURB RAMP (PCR)
- PROPOSED PEDESTRIAN CURB RAMP DETAIL # — X#
- PROPOSED DRIVEWAY DETAIL # — DR#–#
- PROPOSED TREE PROTECTION - ARMORING AND PRUNING

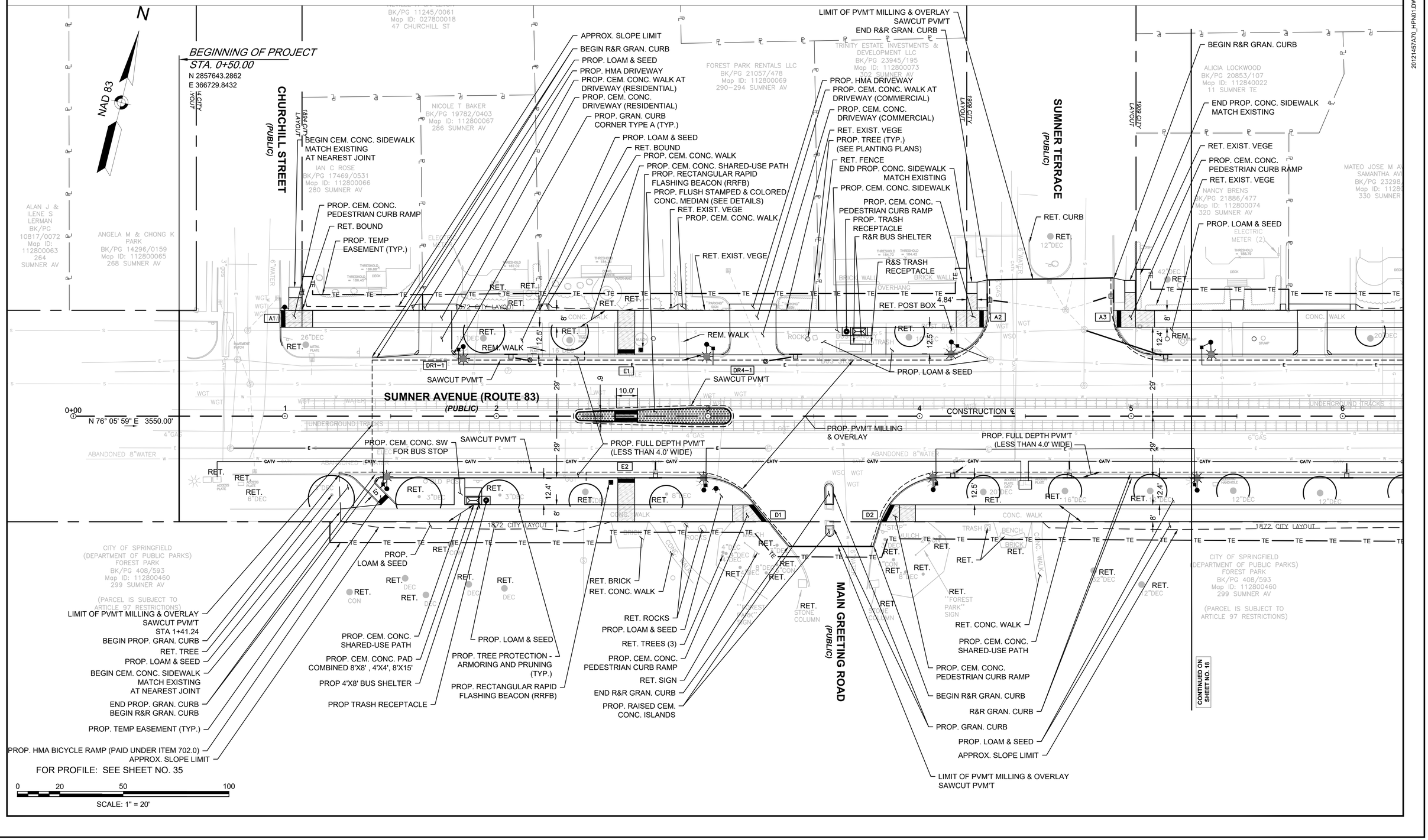
NOTES:

1. ALL EXISTING GRANITE CURB WITHIN PROJECT LIMITS SHALL BE REMOVED & RESET UNLESS OTHERWISE NOTED ON THE PLAN.
2. ALL EXISTING GRANITE CURB CORNERS WITHIN PROJECT LIMITS SHALL BE REMOVED & STACKED UNDER ITEM #592.
3. ALL GRANITE CURB FOR PEDESTRIAN CURB RAMPS, RAMP TRANSITIONS, AND DRIVEWAY TRANSITIONS SHALL BE NEW.
4. ALL CURVED GRANITE CURB THAT DOES NOT MATCH THE EXISTING CURB RADIUS SHALL BE NEW.
5. CONTRACTOR SHALL MAKE STRAIGHT AND SMOOTH SAWCUTS AT ALL LIMITS OF PROPOSED HMA DRIVEWAY INSTALLATIONS.
6. TYPE "A" PAVERS ARE TO BE USED ONLY IN AREAS NOT INTENDED FOR WALKING OR ADA ACCESSIBLE PATH.
7. SEE STREETSCAPE & PLANTING PLANS FOR PROPOSED TREE LOCATIONS.
8. SAWCUTS SHALL BE MADE AT THE BACK OF ALL PROPOSED DRIVEWAYS AND WALKS WHERE IT MATCHES EXISTING CONDITION.
9. AT TREES TO BE RETAINED, CONTRACTOR SHALL AVOID CUTTING EARTH AROUND TREE TRUNK IN A 5' RADIUS WHERE POSSIBLE

SPRINGFIELD
THE 'X' INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	17	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS



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HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

SEE SHEET 107

WATER SUPPLY ALTERATIONS

SEE SHEET 143

DRAINAGE DETAILS

SEE SHEET 122

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	18	358
	PROJECT FILE NO. 608717		

CONSTRUCTION PLANS

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N

NAD 83

1928 CITY LAYOUT

SUMNER TERRACE (PUBLIC)

OAKLAND STREET (PUBLIC)

SUMNER AVENUE (ROUTE 83) (PUBLIC)

CONTINUED ON SHEET NO. 32

CONTINUED ON SHEET NO. 19

CONTINUED ON SHEET NO. 17

FOR PROFILE: SEE SHEET NO. 35

0 20 50 100

SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 144

DRAINAGE DETAILS

SEE SHEET 123

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#-#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X' INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	19	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS

N

NAD 83

SUMNER AVENUE (ROUTE 83) (PUBLIC)

KENWOOD TERRACE (PUBLIC)

BEAUMONT STREET (PUBLIC)

CONTINENTAL STREET (PUBLIC)

CONSTRUCTION ℄ N 76° 05' 59" E 3550.00'

CALVARY'S LOVE CHURCH BK/PG 17100/404 Map ID: 092100161 17-19 OAKLAND ST

ERIK G. SCOTT BK/PG 23890/595 Map ID: 072520003 16 KENWOOD TER

LOTCUS LLC BK/PG 24804/322 Map ID: 072520021 17 KENWOOD TER

GREGORY A. & EVA ROUGELLIS BK/PG 05885/202 Map ID: 011450005 16 BEAUMONT ST

BHANU & JANUKA N TIWARI BK/PG 23802/227 Map ID: 112800083 372 SUMNER AV

MARTA E GONZALEZ BK/PG 10597/0073 Map ID: 112800082 366 SUMNER AV

KERUBE FARHADI BK/PG 22078/523 Map ID: 112800084 376-378 SUMNER AV

ANDREW W VIVENZIO BK/PG 12956/0494 Map ID: 112800085 390 SUMNER AV

DAO VU BK/PG 15728/0310 Map ID: 112800086 398 SUMNER AV

TOWER REALTY PARKER ST LLC BK/PG 23062/120 Map ID: 112800088 408 SUMNER AV

ROSEMARY PEREZ BK/PG 25061/0310 Map ID: 112800087 402 SUMNER AV

TRINITY METHODIST EPISCOPAL CHURCH BK/PG 19030/5 Map ID: 112800434 361 SUMNER AV

GEN-WEALTH PROPERTIES LLC BK/PG 24814/392 Map ID: 112800426 407 SUMNER AV

JOSE L ESTEVEZ BK/PG 16331/0161 Map ID: 112800425 415 SUMNER AV

PHUONG L. DO BK/PG 15068/0443 Map ID: 031500017 11 CONTINENTAL ST

PROP. HMA DRIVEWAY
PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)
END PROP. CONC. SIDEWALK MATCH EXISTING
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. LOAM & SEED
PROP. CONC. SW
PROP. CONC. SW PANEL
PROP. LOAM & SEED (TYP.)
PROP. TEMP. EASEMENT (TYP.)
PROP. TREE PROTECTION - ARMORING AND PRUNING (TYP.)
RET. VEGE
RET. EXIST. VEGE.
RET. CURB
REM. CONC. WALK
REM. STUMP
PROP. FULL DEPTH PVM'T (LESS THAN 4.0' WIDE)
SAWCUT UNDERGROUND TRACKS (TYP.)
SAWCUT PVM'T
PROP. PVM'T MILLING & OVERLAY
PROP. FLUSH STAMPED & COLORED CONCRETE MEDIAN (SEE DETAILS)
PROP. FULL DEPTH PVM'T
PROP. TRASH RECEPTACLE
END PROP. GRAN. CURB
BEGIN R&R GRAN. CURB
PROP. TEMP. EASEMENT (TYP.)
PROP. 4X8 BUS SHELTER
PROP. CEM CONC PAD 120SQ.FT
PROP. CEM. CONC. SHARED-USE PATH
APPROX. SLOPE LIMIT
RET. GRASS BUFFER
RET. CONC. SIDEWALK
R&R GRAN. CURB
PROP. STAMPED AND COLORED CONCRETE MEDIAN
PROP. PLANTING AREA (SEE PLANTING PLANS)
PROP. VERTICAL GRAN. CURB
REM. EXIST. HEDGES
PROP. FULL DEPTH PVM'T
PROP. FLUSH STAMPED & COLORED CONCRETE MEDIAN (SEE DETAILS)
REM. EXIST. VEGETATION
END R&R GRAN. CURB
LIMIT OF PVM'T MILLING & OVERLAY SAWCUT PVM'T
REM. CONC. SIDEWALK
PROP. LOAM & SEED
END R&R GRAN. CURB
LIMIT OF PVM'T MILLING & OVERLAY SAWCUT PVM'T
BEGIN R&R GRAN. CURB
END PROP. CONC. SIDEWALK MATCH EXISTING
APPROX. SLOPE LIMIT
RET. SIDEWALK
RET. VEG.
PROP. HMA DRIVEWAY
PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)
PROP. CONC. SIDEWALK PANEL MATCH EXIST.
PROP. CEM. CONC. SHARED-USE PATH
RET. VEG.
RET. VEGE
REM. METAL POST
REM. CONC. WALK
PROP. FULL DEPTH PVM'T (LESS THAN 4.0' WIDE)
PROP. GRAN. CURB CORNER TYPE A (TYP.)
PROP. TREE (TYP.) (SEE PLANTING PLANS)
PROP. TEMP. EASEMENT
PROP. CONC. SIDEWALK
PROP. HMA DRIVEWAY
PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)
RET. STONE PLANTERS
PROP. LOAM & SEED
PROP. CONC. SIDEWALK
PROP. LOAM & SEED
REM. CONC. SIDEWALK
PROP. LOAM & SEED
R&R POSTAL BOX
PROP. CONC. SIDEWALK
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
END PROP. CONC. SIDEWALK MATCH EXISTING
END R&R GRAN. CURB
LIMIT OF PVM'T MILLING & OVERLAY SAWCUT PVM'T
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
BEGIN R&R GRAN. CURB
END PROP. CONC. SIDEWALK MATCH EXISTING

CONTINUED ON SHEET NO. 18

CONTINUED ON SHEET NO. 20

FOR PROFILE: SEE SHEET NO. 36

0 20 50 100

SCALE: 1" = 20'

File Path: j:\DWG\P2012\1457\A70\Civil\Plan\20121457A70_HPN01.dwg Layout: HPN 03 Plotted: Fri, May 05, 2023 - 2:24 PM User: espringer
MS VIEW: - LAYER STATE: -
CTB File: MAOOT-D.STB
Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3
20121457A70_HPN01.DWG Plotted on 5-May-2023 2:24 PM

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 145

DRAINAGE DETAILS

SEE SHEET 124

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#-#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

NOTES:

1. ALL EXISTING GRANITE CURB WITHIN PROJECT LIMITS SHALL BE REMOVED & STACKED UNLESS OTHERWISE NOTED ON THE PLAN
2. ALL EXISTING GRANITE CURB CORNERS WITHIN PROJECT LIMITS SHALL BE REMOVED & STACKED UNDER ITEM #592.
3. TYPE "A" PAVERS ARE TO BE USED ONLY IN AREAS NOT INTENDED FOR WALKING OR ADA ACCESSIBLE PATH.
4. SEE STREETSCAPE & PLANTING PLANS FOR PROPOSED TREE LOCATIONS.

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	20	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:24 PM

N

NAD 83

BEAUMONT STREET (PUBLIC)

SUMNER AVENUE (ROUTE 83) (PUBLIC)

CONTINENTAL STREET (PUBLIC)

PARKWOOD STREET (PUBLIC)

CLIFTWOOD STREET (PUBLIC)

LIMIT OF PVM'T MILLING & OVERLAY
SAWCUT PVM'T

END R&R GRAN. CURB

END PROP. CONC. SIDEWALK MATCH EXISTING

PROP. CEM. CONC. PEDESTRIAN CURB RAMP

RET. EXIST. SHRUBS & METAL GARDEN EDGING

BEGIN R&R GRAN. CURB
END PROP. CONC. SIDEWALK MATCH EXISTING
PROP. CEM. CONC. PEDESTRIAN CURB RAMP

PROP. TREE (TYP.) (SEE PLANTING PLANS)

PROP. CEM. CONC. 8'X8',4'X4' AND 5'X8'

PROP. BUS SHELTER 4'X8'

PROP. TRASH RECEPTACLE

PROP. CONC. SW

PROP. CEM. CONC. SHARED-USE PATH

RET. TREES

PROP. CONC. SW
PROP. TEMP. EASEMENT

PROP. HMA DRIVEWAY

PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)

PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)

REM. CHAIN LINK FENCE AND GATE

RET. WALK

RET. SHRUB LINE

PROP. LOAM & SEED

RET. CLF.

PROP. HMA DRIVEWAY

PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)

PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)

PROP. CONC. SW

APPROX. SLOPE LIMIT

PROP. HMA DRIVEWAY

PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)

PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)

PROP. LOAM & SEED

RET. WALK

RET. LIGHT

L=42.28' R=112.00'
Δ=21° 37' 47"

CONTINUED ON SHEET NO. 21

PROP. FULL DEPTH PVM'T (LESS THAN 4.0' WIDE)

SAWCUT UNDERGROUND TRACKS (TYP.)

PROP. VERTICAL GRAN. CURB

SAWCUT PVM'T

PROP. PLANTING AREA (SEE PLANTING PLANS)

PROP. VERT. GRANITE CURB

PROP. FLUSH STAMPED & COLORED CONCRETE MEDIAN (SEE DETAILS)

PROP. STAMPED AND COLORED CONCRETE MEDIAN

PROP TRASH RECEPTACLE

PROP. FULL DEPTH PVM'T (LESS THAN 4.0' WIDE)

PROP. BUS SHELTER 4'X8'

PROP. CONC CEM PAD 8'X8',4'X4',8'X5'

END R&R GRAN. CURB
BEGIN PROP. GRAN. CURB

PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)

PROP. HMA DRIVEWAY

PROP. CEM. CONC. PEDESTRIAN CURB RAMP

PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)

END PROP. CONC. SIDEWALK MATCH EXISTING

PROP. GRAN. CURB CORNER TYPE A (TYP.)

END PROP. GRAN. CURB

RET. WALK

PROP. CEM. CONC. SHARED-USE PATH

RET. BOUND

R&R GRAN. CURB

PROP. CONC. SW

RET. BOUND

PROP. LOAM & SEED (TYP.)

APPROX. SLOPE LIMIT

RET. BRICK WALK

PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)

PROP. HMA DRIVEWAY

PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)

CONTINUED ON SHEET NO. 19

PROP. VERT. GRANITE CURB

PROP. PVM'T MILLING & OVERLAY

CONSTRUCTION ℄

N 76° 05' 59" E 3550.00'

SAWCUT PVM'T

PROP. FULL DEPTH PVM'T (LESS THAN 4.0' WIDE)

PROP. HMA BICYCLE RAMP (PAID UNDER ITEM 702.0)

PROP. LOAM & SEED

PROP. HMA DRIVEWAY

PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)

PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)

PROP. LOAM & SEED

PROP. TEMP. EASEMENT (TYP.)

PROP. CEM. CONC. PEDESTRIAN CURB RAMP

END PROP. CONC. SIDEWALK MATCH EXISTING

BEGIN PROP. GRAN. CURB

LIMIT OF PVM'T MILLING & OVERLAY SAWCUT PVM'T

PROP. BENCH (TYP. - SEE STREETSCAPE PLANS)

PROP. FULL DEPTH PVM'T

PROP. BICYCLE RACK (TYP. - SEE STREETSCAPE PLANS)

PROP. WALK TO MEET BUILDING (TYP.)

PROP. CEM. CONC. SIDEWALK

END PROP. GRAN. CURB
BEGIN R&R GRAN CURB

GREGORY A. & EVA ROUGELLIS
BK/PG 05885/202
Map ID: 011450004
16 BEAUMONT ST

EDWARD M & JOANNE M PIKULA
BK/PG 08007/0095
Map ID: 011450036
17 BEAUMONT ST

TOWER REALTY PARKER ST LLC
BK/PG 23062/120
Map ID: 112800088
408 SUMNER AV

ROSEMARY PEREZ
BK/PG 15061/0330
Map ID: 112800087
402 SUMNER AV

PARKRIDGE PROPERTIES LLC
BK/PG 17662/288
Map ID: 112800089
420 SUMNER AV

ANTAGRACIA MIRIAN ESTRELLA DE URENA
BK/PG 24398/420
Map ID: 112800090
425 SUMNER AV

ISAAC GRULLON COLON
BK/PG 24472/564
Map ID: 112800091
432 SUMNER AV

SUMNER LLC
BK/PG 20291/164
Map ID: 112800092
440 SUMNER AV

PERSAM SPRINGFIELD LLC
BK/PG 21500/242
Map ID: 112800095
444 SUMNER AV

NALANI [illegible]
BK/PG 24[illegible]
Map ID: 0[illegible]
BELMONT AV

GEN-WEALTH PROPERTIES LLC
BK/PG 24814/392
Map ID: 112800426
407 SUMNER AV

JOSE L ESTEVEZ
BK/PG 16331/0161
Map ID: 112800425
415 SUMNER AV

PHUONG L. DO
BK/PG 15068/0443
Map ID: 031500017
11 CONTINENTAL ST

TG MEZZETTI
BK/PG 24949/301
Map ID: 112800424
419 SUMNER AV

PARKWOOD APARTMENTS LLC
BK/PG 18274/408
Map ID: 112800423
429 SUMNER AV

RF REALTY COMPANY LLC
BK/PG 19577/357
Map ID: 112800421
445 SUMNER AV

RF REALTY COMPANY LLC
BK/PG 19577/357
Map ID: 112800419
449 SUMNER AV

FELIZ AREZ JR
BK/PG 22210/406
Map ID: 095300003
14 PARKWOOD ST

RICHARD J LABR
BK/PG 1293
Map ID: 11
461 SUMNE

1872 CITY LAYOUT

FOR PROFILE: SEE SHEET NO. 36

0 20 50 100

SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

SEE SHEET 108

WATER SUPPLY ALTERATIONS

SEE SHEETS 146 & 147

DRAINAGE DETAILS

SEE SHEETS 125 & 126

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

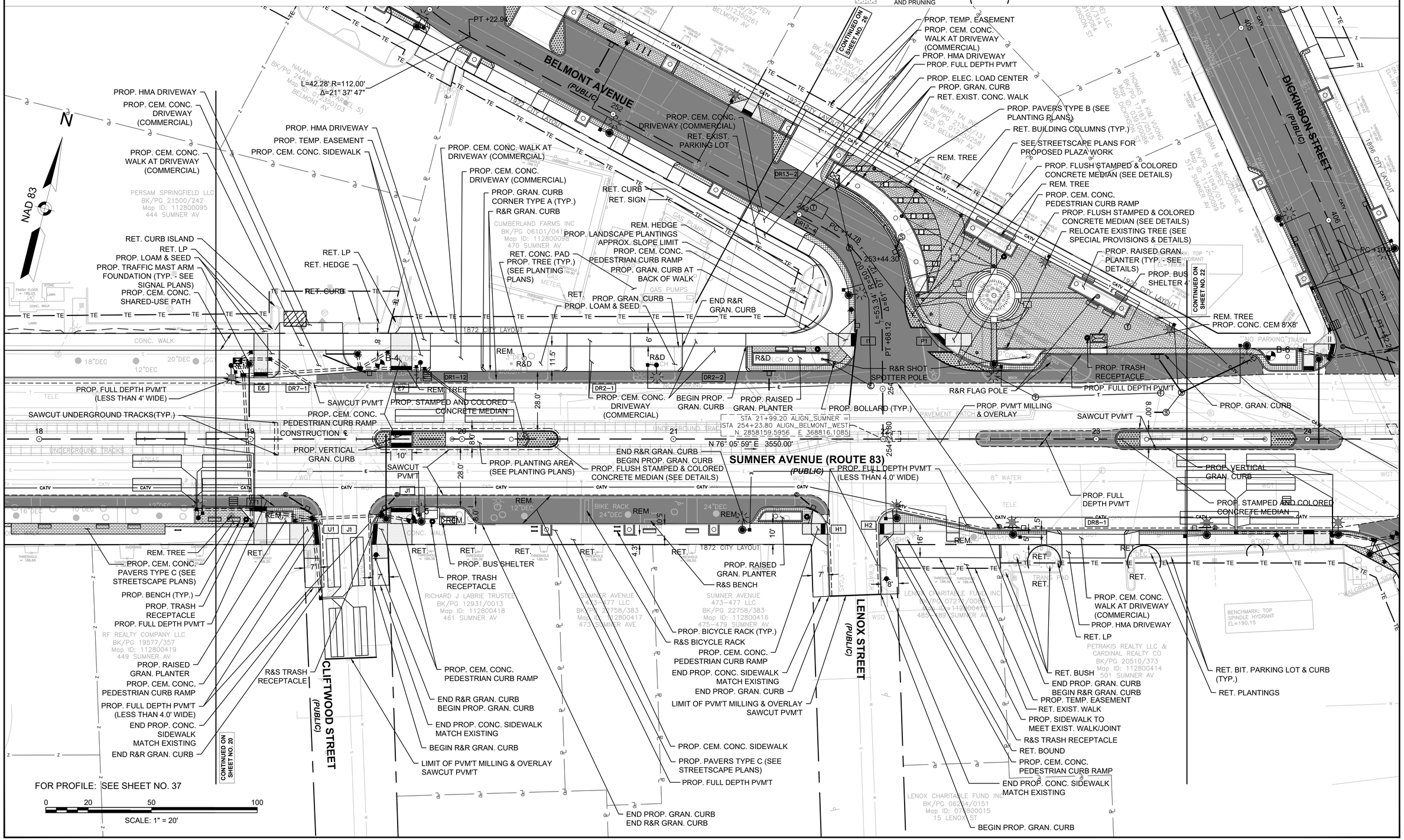
PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	21	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:24 PM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

SEE SHEET 109

WATER SUPPLY ALTERATIONS

SEE SHEET 148

DRAINAGE DETAILS

SEE SHEET 127

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#-#

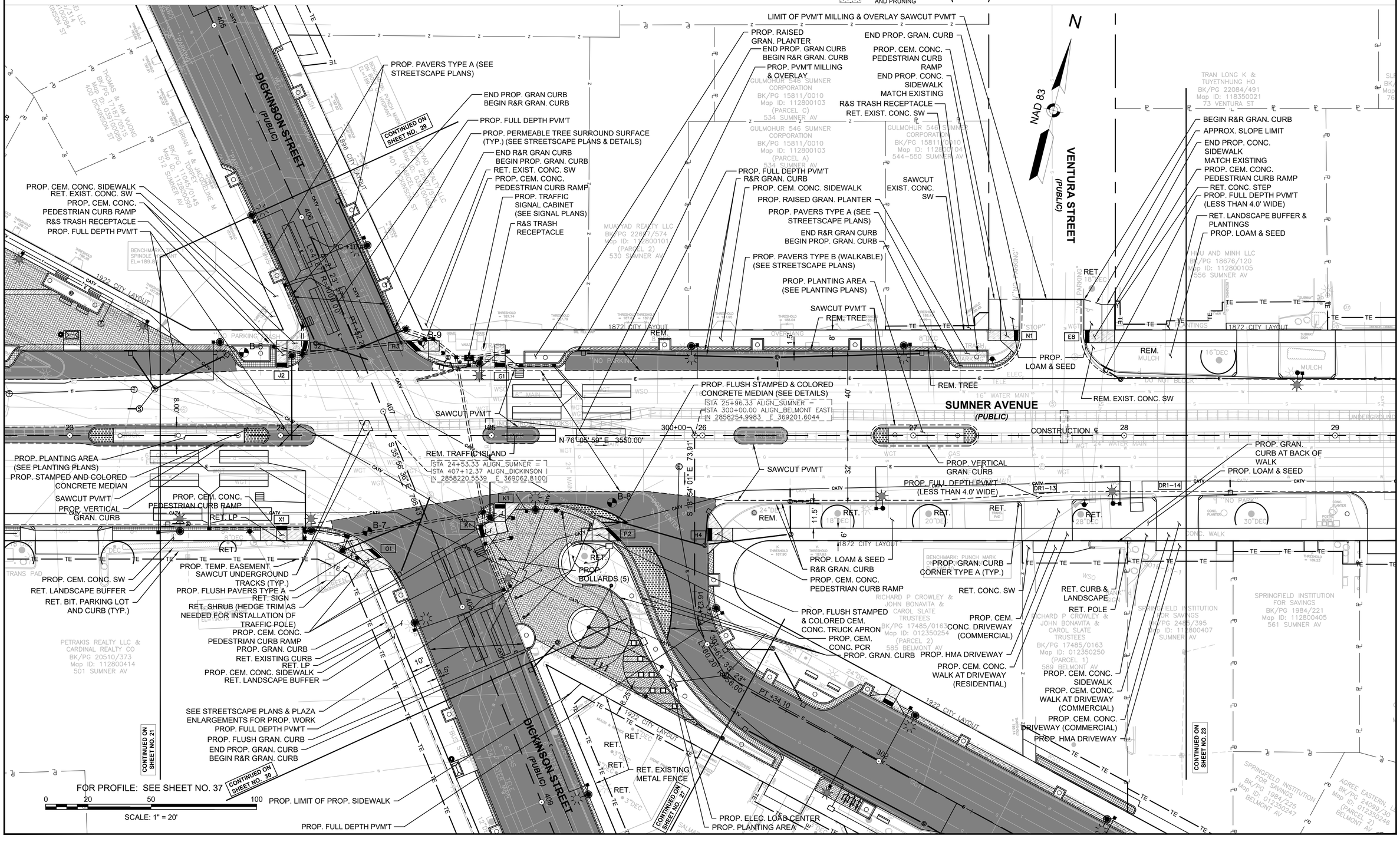
PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	22	358
	PROJECT FILE NO.	608717	

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:24 PM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 149

DRAINAGE DETAILS

SEE SHEET 128

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#-#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	23	358
	PROJECT FILE NO.	608717	

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:24 PM

N

NAD 83

VENTURA STREET (PUBLIC)

SORRENTO STREET (PUBLIC)

SUMNER AVENUE (PUBLIC)

ORMOND STREET (PUBLIC)

PROP. TREE PROTECTION - ARMORING AND PRUNING (TYP.)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. HMA DRIVEWAY
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
RET. CURB
RET. MH
PROP. LOAM & SEED
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
LIMIT OF PVM'T MILLING & OVERLAY SAWCUT PVM'T
END R&R GRAN. CURB
PROP. LOAM & SEED
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
END PROP. CONC. SIDEWALK MATCH EXISTING
RET. BOUND
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY(COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
SAWCUT CONCRETE
RET. MH
PROP. TRASH RECEPTACLE
PROP. CEM. CONC. 8'X8',4'X4',8'X5'
PROP. TEMP. EASEMENT
PROP. BUS SHELTER 4'X8'
PROP. LOAM & SEED
PROP. CEM. CONC. SIDEWALK
PROP. LOAM & SEED
BEGIN R&R GRAN. CURB
RET. LANDSCAPE PLANTINGS
END PROP. CONC. SIDEWALK MATCH EXISTING
RET. CURB
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
RET. SIGN
BEGIN PROP. HMA CURB TYPE II
PROP. LOAM & SEED IN RAISED ISLANDS
RET. POSTAL BOX
SAWCUT PVM'T
PROP. GRAN. CURB CORNER TYPE A (TYP.)
PROP. PVM'T MILLING & OVERLAY
CONSTRUCTION ℄
N 76° 05' 59" E 3550.00'
SAWCUT PVM'T
R&S CONC. PLANTERS
REM. CONC.
END R&R GRAN. CURB BEGIN PROP. GRAN. CURB
PROP. FULL DEPTH PVM'T (LESS THAN 4.0' WIDE)
BEGIN R&R GRAN. CURB
END PROP. GRAN. CURB
SAWCUT PVM'T
PROP. GRAN. CURB
RET. EXIST. LANDSCAPING
RET. POSTAL BOXES
PROP. TREE (TYP.) (SEE PLANTING PLANS)
PROP. GRAN. CURB AT BACK OF WALK (4" REVEAL)
PROP. CEM. CONC. SW
RET. EXIST. PLANTINGS
RET. CURB
RET. CONC. WALK
RET. CURB
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. HMA DRIVEWAY
RET. SIGNS
RET. WALK
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. HMA DRIVEWAY
END R&R GRAN. CURB BEGIN PROP. GRAN. CURB
PROP. TREE (TYP.) (SEE PLANTING PLANS)
PROP. CEM. CONC. SIDEWALK
PROP. TEMP. EASEMENT
RET. EXIST. LANDSCAPE BUFFER
PROP. LOAM & SEED
RET. EXISITING FENCE
PROP. FULL DEPTH PVM'T
RET. EXIST. LANDSCAPE BUFFER
RET. POSTAL BOX
B-10
C-2
C-3
CONTINUED ON SHEET NO. 24
CONTINUED ON SHEET NO. 22
FOR PROFILE: SEE SHEET NO. 38

0 20 50 100
SCALE: 1" = 20'

TRAN LONG K & TUYETNHUNG HO
BK/PG 22084/491
Map ID: 118350021
73 VENTURA ST

SLF REALTY CORP
BK/PG 22981/560
Map ID: 109650013
76 SORRENTO ST

SONAL PATEL LLC
BK/PG 20954/83
Map ID: 112800108
570 SUMNER AV

HUU AND MNH LLC
BK/PG 18676/120
Map ID: 112800105
556 SUMNER AV

TGN ASSOCIATES LLC
BK/PG 22503/22
Map ID: 112800111
590 SUMNER AV

K S KANTOR LLC
BK/PG 13892/0227
Map ID: 112800112
(PARCEL 1)
598–600 SUMNER AV

K S KANTOR LLC
BK/PG 13892/0227
Map ID: 112800113
(PARCEL 2)
606 SUMNER AV

RICHARD P CROWLEY & JOHN BONAVITA & CAROL SLATE TRUSTEES
BK/PG 17485/0163
Map ID: 012350250
(PARCEL 1)
589 BELMONT AV

SPRINGFIELD INSTITUTION FOR SAVINGS
BK/PG 2485/395
Map ID: 112800407
SUMNER AV

SPRINGFIELD INSTITUTION FOR SAVINGS
BK/PG 1984/221
Map ID: 112800405
561 SUMNER AV

MASSACHUSETTS CVS PHARMACY LLC
BK/PG 17112/99
Map ID: 112800404
SUMNER AV

SPRINGFIELD INSTITUTION FOR SAVINGS
BK/PG 1984/225
Map ID: 012350247
BELMONT AV

AGREE, EASTERN, LLC
BK/PG 24099/30
Map ID: 012350246
(PARCEL 2)
BELMONT AV

AGREE, EASTERN, LLC
BK/PG 24099/30
Map ID: 012350242
(PARCEL 1)
#615 BELMONT

ISLAND REALTY INC
BK/PG 07990/0325
Map ID: 112800399
SUMNER AV

JAMES HENG
BK/PG 24453/393
Map ID: 112800398
603 SUMNER AV

WILLIAM E JR & LYN CUNNINGHAM TRUSTEES
BK/PG 20755/551
Map ID: 112800397
609 SUMNER AV

JAMES W FIORE
BK/PG 19415/160
Map ID: 093700011
11 ORMOND ST

1872 CITY LAYOUT

1906 CITY LAYOUT

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

SEE SHEET 110

WATER SUPPLY ALTERATIONS

SEE SHEET 150

DRAINAGE DETAILS

SEE SHEET 129

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#-#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	24	358
	PROJECT FILE NO. 608717		

CONSTRUCTION PLANS

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N

NAD 83

SORRENTO STREET (PUBLIC)

POMONA STREET (PUBLIC)

SUMNER AVENUE (PUBLIC)

ORMOND STREET (PUBLIC)

DAYTONA STREET (PUBLIC)

END OF PROJECT
STA. 35+44.11
N 2858482.6860
E 370121.6284

STA 32+36.51 ALIGN_SUMNER = STA 500+00.10 ALIGN_ORMOND
N 2858408.6926 E 369823.0576

N 76° 05' 59" E 3550.00'

CONSTRUCTION ℄

CONTINUED ON SHEET NO. 31

CONTINUED ON SHEET NO. 23

FOR PROFILE: SEE SHEET NO. 38

0 20 50 100

SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 151

DRAINAGE DETAILS

SEE SHEET 130

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	25	358
	PROJECT FILE NO. 608717		

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:25 PM

N

NAD 83

BEAUMONT STREET (PUBLIC)

LIMIT OF WORK
STA. 200+90.00
N 2858422.6534
E 368156.1247

FOR PROFILE: SEE SHEET NO. 44

0 20 50 100

SCALE: 1" = 20'

BELMONT AVENUE (PUBLIC)

BURLINGTON STREET (PUBLIC)

200+00

201 202 203 204 205 206 207

STA 204+16.38 ALIGN_BELMONT–BURLINGTON = STA 250+00.00 ALIGN_BELMONT_WEST
N_2858351.4766 _E_368472.0126

CONSTRUCTION ℄

PROP. LOAM & SEED (TYP.)
PROP. TREE (TYP.) (SEE PLANTING PLANS)
PROP. CONC. WALK
PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)
PROP. LOAM & SEED
PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. SIDEWALK
R&R GRAN. CURB
PROP. HMA DRIVEWAY
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. LOAM & SEED
PROP. TEMP. EASEMENT
PROP. HMA DRIVEWAY
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. HMA DRIVEWAY
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. HMA DRIVEWAY
PROP. RAISED ISLAND
PROP. PAVERS TYPE A
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. RAISED ISLAND
PROP. PAVERS TYPE A
PROP. PAVERS TYPE A (SEE STREETSCAPE PLANS)
PROP. GRAN. CURB
END R&R GRAN. CURB
1922 CITY LAYOUT
BEGIN PROP. CONC. SIDEWALK MATCH EXISTING AT NEAREST JOINT
BEGIN R&R GRAN. CURB
PROP. GRAN. CURB CORNER TYPE A (TYP.)
PROP. FULL DEPTH PVM'T
PROP. LOAM & SEED
BEGIN R&R GRAN. CURB
RET. CURB
LIMIT OF FULL DEPTH PVM'T
SAWCUT PVM'T
RET. WALK
BEGIN PROP. CONC. SIDEWALK MATCH EXISTING AT NEAREST JOINT
RET. RAISED PLANTER & SIGN
RET. LANDSCAPING & SOD
PROP. TEMP. EASEMENT
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. LOAM & SEED
END R&R GRAN. CURB
BEGIN PROP. GRAN. CURB
PROP. HMA DRIVEWAY
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. HMA DRIVEWAY
PROP. PAVERS TYPE A, TYP. (SEE STREETSCAPE PLANS)
PROP. PAVERS TYPE A
RET. & PROTECT METAL PIPE AWNING
PROP. CEM. CONC. SIDEWALK
PROP. TEMP. EASEMENT
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
RET. SOD & PLANTINGS. CONTRACTOR TO AVOID ANY DAMAGES TO IRRIGATION OR EXIST. SOD
PROP. CEM. CONC.DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. HMA DRIVEWAY
RET. CURB
RET. & PROTECT SOD L=42.28' R=112.00' Δ=21° 37' 47"
END PROP. GRAN. CURB
PROP. FULL DEPTH PVM'T
PROP. PVM'T MILLING & OVERLAY
LIMIT OF FULL DEPTH PVM'T
SAWCUT PVM'T
BEGIN PROP. PVM'T MILL & OVERLAY STA. 205+77
END R&R GRAN. CURB
PROP. FULL DEPTH PVM'T
RET. BOUND
RET. PARKING & WHEEL STOPS
BEGIN R&R GRAN. CURB
L=54.94' R=35.00' Δ=89° 56' 27"
PC +88.91
PT +79.07
PC +05.16
Δ=37° 08' 53" L=73.91' R=114.00'
PT +43.85
250+00
250+17.59
204+23.87
RET. CONC. WALK
PT +33.82
PRC +80.65
PC +47.43 L=33.22' R=88.00' Δ=21° 37' 47"
PT +22.94
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. HMA DRIVEWAY
PROP. LIMIT OF NEW HMA DRIVEWAY REPLACEMENT
R&S GRAN. CURB
PROP. WHEEL STOPS (7)
PROP. CEM. CONC. SIDEWALK
PROP. TEMP. EASEMENT
END R&R GRAN. CURB
BEGIN PROP. GRAN. CURB
PROP. HMA DRIVEWAY
PROP. PERM. EASEMENT
PROP. GRAN. CURB
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
RET. STEP
PROP. GRAN. CURB
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
R&S TRASH RECEPTACLE
APPROX. SLOPE LIMIT
PROP. CEM. CONC. PAVERS TYPE C (SEE STREETSCAPE PLANS)
PROP. FULL DEPTH PVM'T
END PROP. GRAN. CURB
PROP. HMA DRIVEWAY
RET. CURB
PROP. CEM. CONC. SIDEWALK
END PROP. CEM. CONC. SIDEWALK
CONTINUED ON SHEET NO. 25
CONTINUED ON SHEET NO. 26
DR2–3 DR2–4 DR2–5 DR2–6 DR8–2 DR8–3 DR8–4 DR9–1 DR11–1 DR8–5 DR8–6 DR10–1 DR3–3 G3 G2 Q1 L1 255–1
20' 20' 4' 5' 7.9' 4' 5.5' 13' 13' 5.5' 72.50'
REM. RET. TE TE TE

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 152

DRAINAGE DETAILS

SEE SHEET 131

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

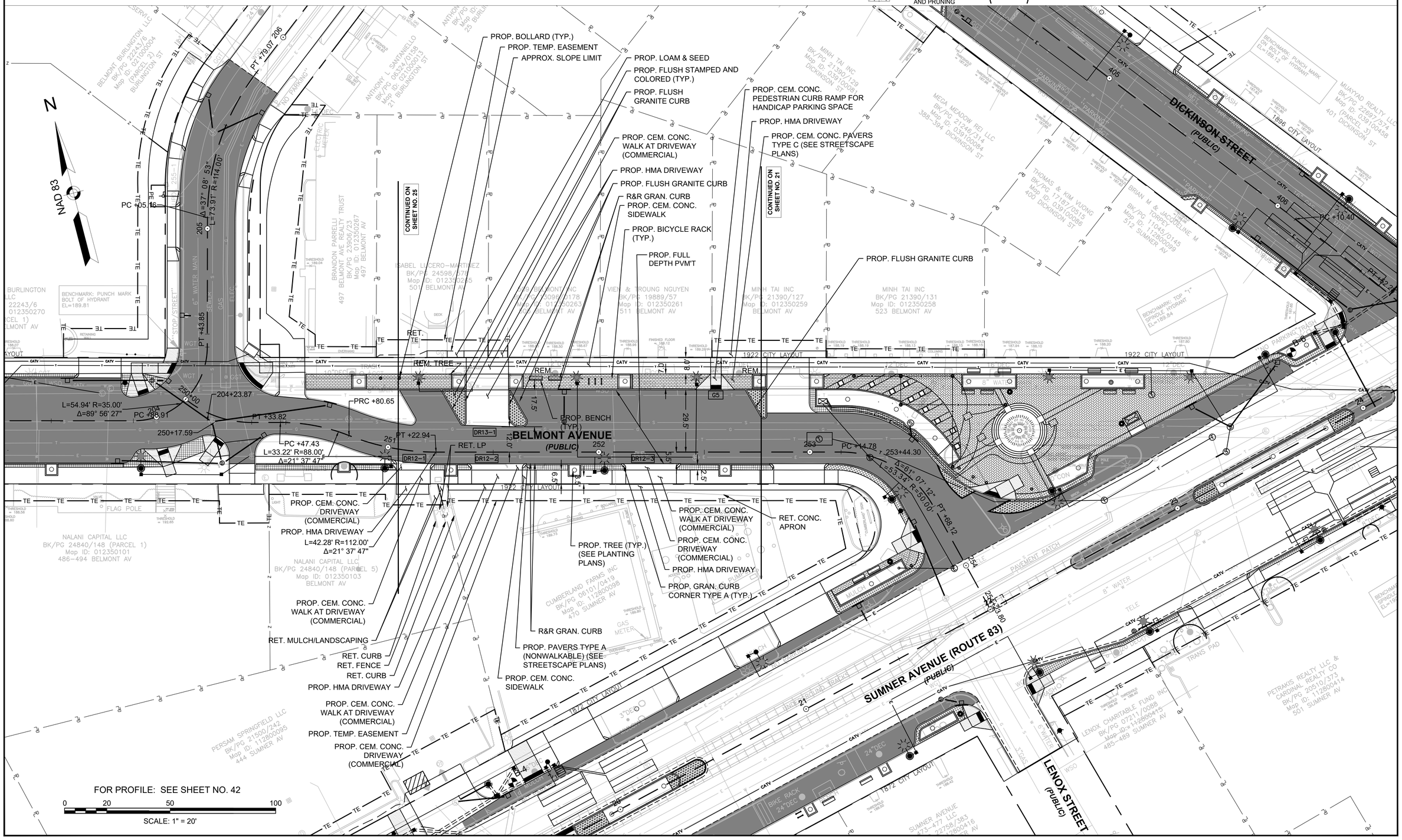
PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	26	358
	PROJECT FILE NO.	608717	

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:25 PM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 153

DRAINAGE DETAILS

SEE SHEET 132

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	27	358
	PROJECT FILE NO.	608717	

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:26 PM

SUMNER AVENUE (PUBLIC)

BELMONT AVENUE (ROUTE 83) (PUBLIC)

DICKINSON STREET (PUBLIC)

TRENTON STREET (PUBLIC)

COMMONWEALTH AVENUE (PUBLIC)

PROP. FULL DEPTH PVM'T
PROP. STAMPED & COLORED CONC. TRUCK APRON (SEE CONST. DETAILS)
PROP. 3' HT. ALUMINUM FENCE
PROP. HMA DRIVEWAY
PROP. CEM. CONC. SHARDED-USE PATH
PROP. TEMP. EASEMENT
PROP. GRAN. BOUND
STA 902+45.21 ALIGN–COMMONWEALTH
STA 304+71.60 ALIGN_BELMONT EAST
N 2858057.9360 E 369586.4236
PROP. STAMPED & COLORED CONCRETE SPLITTER ISLAND
PROP. MOUNTABLE GRAN. CURB
PROP. HMA BICYCLE RAMP
PROP. FULL DEPTH PVM'T
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
END PROP. CITY LAYOUT ALTERATION
PROP. HMA DRIVEWAY
RET. CURB
PROP. LOAM & SEED
RET. LANDSCAPING & SOD
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. LOAM & SEED
PROP. GRAN. CURB
BEGIN PROP. CITY LAYOUT ALTERATION
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. GRAN. CURB
PROP. GRAN. BOUND
PROP. HMA DRIVEWAY
RET. SIGN & BOLLARDS
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
RET. EXIST. PARKING LOT PVM'T
PROP. TREE (TYP.) (SEE PLANTING PLANS)
REM. EXIST. CURB ISLAND
PROP. GRAN. CURB
PROP. CEM. CONC. WALK
PROP. PAVERS TYPE B (WALKABLE - SEE STREETSCAPE PLANS)
RET. EXISTING WALK
PROP. CEM. CONC. PCR FOR HANDICAP PARKING SPACE
END. PROP. GRAN. CURB
BEGIN R&R GRAN. CURB
PROP. RAISED GRAN. PLANTER
PROP. BENCH (TYP.)
PROP. BUS SHELTER 4'X8'
END R&R GRAN. CURB
BEGIN PROP. GRAN. CURB
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
REM. TREE
PROP. FULL DEPTH PVM'T
REM. PLANTINGS (TYP.)
PROP. BENCH (TYP.)
RET. CONC. BLOCK
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. TRAVERSABLE GRAN. CURB (SEE CONST. DETAILS)
PROP. TEMP. EASEMENT
PROP. PERM. EASEMENT
PROP. GRAN. CURB CORNER TYPE A (TYP.)
PROP. CEM. CONC. SIDEWALK
PROP. BICYCLE RACK (TYP.)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. HMA DRIVEWAY
R&D CONC. FOUNDATION
PROP. HMA DRIVEWAY
R&S BOLLARDS
END PROP. GRAN. CURB
BEGIN R&R GRAN. CURB
PROP. FLUSH STAMPED & COLORED CONCRETE APRON (SEE DETAILS)
RET. GRAVEL
RET. EXIST. CONC. WALL
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. MOUNTABLE GRAN. CURB
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. CEM. CONC. WALK
PROP. LOAM & SEED
PROP. HMA DRIVE
RET. GRAVEL DRIVE
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
RET. CONC. SW
RET. WALK
RET. CONC. SW
RET. FENCE
RET. LANDSCAPING
PROP. PAVERS TYPE C (SEE STREETSCAPE PLANS)
BEGIN R&R GRAN. CURB
RET. SIGNS
PROP. HMA DRIVEWAY
END PROP. GRAN. CURB
PROP. GRAN. CURB ISLAND
R&R BOLLARDS & CHAIN
PROP. LOAM & SEED
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
END PROP. CITY LAYOUT ALT.
PROP. SLOPE LIMIT
BEGIN PROP. CITY LAYOUT ALTERATION
PROP. CEM. CONC. PEDESTRIAN CURB RAMP
PROP. HMA DRIVEWAY
PROP. HMA BICYCLE RAMP (PAID UNDER I
PROP. LOAM & SEED
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
BEGIN PROP. GRAN. CURB
LIMIT OF FULL DEPTH PVM'T SAWCUT
END R&R GRAN. CURB
PROP. FULL DEPTH PVM'T
END PROP. CEM. CONC. SIDEWALK MATCH EXISTING
LIMIT OF WORK STA. 901+00.00 N 2857929.9642 E 369649.8683
CONTINUED ON SHEET NO. 22
CONTINUED ON SHEET NO. 28
FOR PROFILE: SEE SHEET NO. 43
SCALE: 1" = 20'
N
NAD 83

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 154

DRAINAGE DETAILS

SEE SHEET 133

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

LEGEND:

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	28	358
	PROJECT FILE NO. 608717		

CONSTRUCTION PLANS

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N

NAD 83

CONTINUED ON SHEET NO. 27

CONTINUED ON SHEET NO. 31

ORMOND STREET (PUBLIC)

BELMONT AVENUE (ROUTE 83) (PUBLIC)

COMMONWEALTH AVENUE (PUBLIC)

TRENTON STREET (PUBLIC)

1905 CITY LAYOUT

1922 CITY LAYOUT

1903 CITY LAYOUT

END PROP. GRAN. CURB
BEGIN R&R GRAN. CURB

PROP. LOAM & SEED

PROP. PERMANENT EASEMENT

PROP. CEM. CONC. PEDESTRIAN CURB RAMP

PROP. FULL DEPTH PVM'T

END R&R GRAN. CURB
BEGIN PROP. GRAN. CURB

APPROX. SLOPE LIMIT

RET. LP

PROP. CEM. CONC. SIDEWALK

RET. CURB, PVM'T & PLANTINGS

END PROP. GRAN. CURB
BEGIN R&R GRAN. CURB

RET. CURB

PROP. TREE (TYP.)
(SEE PLANTING PLANS)

PROP. HMA DRIVEWAY

PROP. CEM. CONC. SIDEWALK

RET. BOUND

PROP. CEM. CONC. PEDESTRIAN CURB RAMP

END PROP. CONC. SIDEWALK MATCH EXISTING

PROP. LOAM & SEED

LIMIT OF WORK
STA. 309+32.36
N 2857942.4936
E 370032.4873

END R&R GRAN. CURB

STA 308+28.63 ALIGN_BELMONT EAST
STA 504+53.60 ALIGN_ORMOND
N 2857968.4834 E 369932.0638

309+32.36

LIMIT OF FULL DEPTH PVM'T SAWCUT PVM'T STA 308+52.39

PROP. BUS SHELTER 4'X8.6'

PROP. CEM CONC PAD

PROP. LOAM & SEED

END PROP. GRAN. CURB

PROP. CONC. SW PANEL

RET. WALK

CONSTRUCTION ℄
S 75° 29' 24" E 798.26'

PROP. LOAM & SEED
PROP. CEM. CONC. PEDESTRIAN CURB RAMP

S 13° 55' 09" E 433.85

R&R CHAIN LINK FENCE

RET. PAVER WALK

R&S STONE PAVERS

RET. CONC. SW

RET. CONC.

RET. EXIST. VEGE

PROP. LOAM & SEED

END PROP. GRANITE CURB
BEGIN R&R GRAN. CURB

END R&R GRANITE CURB
BEGIN PROP. GRAN. CURB

PROP. CONC. SW PANEL

PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)

PROP. CEM. CONC. SIDEWALK

PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)

RET. CURB

END PROP. CEM. CONC. SIDEWALK MATCH EXISTING AT NEAREST JOINT

RET. HMA WALK

PROP. LOAM & SEED UP TO BUILDING FACE

PROP. CONC. SW PANEL

PROP. LOAM & SEED UP TO BUILDING FACE

PROP. TEMP. EASEMENT

LIMIT OF WORK
STA. 901+00.00
N 2857929.9642
E 368649.6683

PC=71.38

900+00

FOR PROFILE: SEE SHEET NO. 43

0 20 50 100

SCALE: 1" = 20'

AGREE EASTERN, LLC
BK/PG 24099/30
Map ID: 012350242
(PARCEL 1)
#615 BELMONT

THUY TINH NGUYEN
BK/PG 14012/0454
Map ID: 012350112
616 BELMONT AV

CHRISTOPHER DM & PAUL A DONOHUE
BK/PG 05880/0338
Map ID: 012350114
624 BELMONT AV

ANTONIO R SORCINELLI
BK/PG 12759/0538
Map ID: 012350115
632 BELMONT AV

DOS GORDITOS LLC
BK/PG 20089/192
Map ID: 012350116
638 BELMONT AV

DANAI S MACRIDI
BK/PG 22191/362
Map ID: 012350117
642 BELMONT AV

TRINI JACKSON ROBINSON
BK/PG 18479/428
Map ID: 012350118
648–650 BELMONT AV

RAJAB BASEM HASHEM
BK/PG 05475/0066
Map ID: 012350118
44 WALDEN ST

BINH NGUYEN
BK/PG 24180/428
Map ID: 030350003
14–16 COMMONWEALTH AV

CHRISTOPHER J DONOHUE
BK/PG 18430/289
Map ID: 030350139
COMMONWEALTH AV

PHUNG M LE
BK/PG 18977/49
Map ID: 012350123
678–680 BELMONT AV

JAMES TRUMBLE
BK/PG 11435/0038
Map ID: 119250012
57 WALDEN ST

CEDAR INVESTMENT GROUP, LLC
BK/PG 20263/10
Map ID: 119250013
53 WALDEN ST

A RODRIGUEZ
BK/PG 16719/236
Map ID: 037150001
27 ORMOND ST

MICHAEL & ANTONIA ZEMBEKAKIS
BK/PG 10370/0010
Map ID: 037150010
27 ORMOND ST

IBRAHIM MOHAMED
BK/PG 24690/426
Map ID: 037150006
30 DAYTONA ST

WOODSIDE REALTY LLC
BK/PG 10364/0423
Map ID: 012350238
645 BELMONT AV

ROBERTO A. PEREZ & DORA A. MATUTE
BK/PG 24253/347
Map ID: 012350237
653 BELMONT AV

RAUL N MEDINA
BK/PG 22461/387
Map ID: 012350236
655 BELMONT AV

PEREZ MARICELI
BK/PG 13946/0164
Map ID: 037150007
34 DAYTONA ST

OLGA VELEZ & SAMUEL FIGUEROA
BK/PG 21996/502
Map ID: 012350235
661 BELMONT AV

DLJ MORTGAGE CAPITAL INC
BK/PG 23600/237
Map ID: 037150008
42 DAYTONA ST

WILLIAM K OCONNOR & JOANNE L LUPI
BK/PG 08723/0079
Map ID: 012350234
665 BELMONT AV

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 155

DRAINAGE DETAILS

SEE SHEET 134

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#-#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	29	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS

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N

NAD 83

LIMIT OF WORK
STA. 400+80.47
N 2858716.8242
E 368671.8197

PROPOSED CEM. CONC. PEDESTRIAN CURB RAMP PANEL REPLACEMENT, MATCH EXISTING

PROP. LOAM & SEED

RET. CURB

PROP. GRAN. CURB

S 42° 07' 54" E 80.47'

PC +80.47

PT +46.60

L=66.13' R=1000.00'
Δ=3° 47' 21"

LIMIT OF FULL DEPTH PVM'T SAWCUT PVM'T

RET. CURB
PROP. LOAM & SEED

RET. EXIST. CONC. SIDEWALK

STA 401+76.59 ALIGN_DICKINSON =
STA 208+20.94 ALIGN_BELMONT-BURLINGTON
N 2858642.8277 E 368733.1316

LIMIT OF FULL DEPTH PVM'T SAWCUT PVM'T

PROP. PVM'T MILLING & OVERLAY

FOR PROFILE: SEE SHEET NO. 39

0 20 50 100
SCALE: 1" = 20'

BEGIN PROP. GRAN. CURB

PROP. CEM. CONC. PEDESTRIAN CURB RAMP

RET. CHAIN LINK FENCE

RET. BOUND

R&S METAL FENCE

PROP. LOAM & SEED

END PROP. GRAN. CURB
BEGIN R&R GRAN. CURB

PROP. LOAM & SEED

RET. HEDGE LINE

PROP. CONC. WALK

PROP. CEM. CONC. SIDEWALK

RET. HEDGE LINE

PROP. TEMP. EASEMENT

PROP. HMA DRIVEWAY

PROP. CEM. CONC. SIDEWALK (COMMERCIAL)

PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)

RET. CONC. FOUNDATION & SIGN

PROP. LOAM & SEED

PROP. HMA DRIVEWAY

PROP. CEM. CONC. SIDEWALK (COMMERCIAL)

PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)

PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)

R&S BOLLARD

PROP. HMA DRIVEWAY

PROP. CEM. CONC. SIDEWALK (COMMERCIAL)

PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)

PROP. PAVERS TYPE A (SEE STREETSCAPE PLANS)

R&S BOLLARD

PROP. LOAM & SEED

RET. ASPHALT BERM

R&S TRASH RECEPTACLE

R&S BOLLARD

PROP. PERMEABLE TREE SURROUND SURFACE (SEE STREETSCAPE PLANS)

REM. TREE

RET. CLF

PROP. FULL DEPTH PVM'T CONSTRUCTION ℄

PROP. LOAM & SEED

PROP. TREE (TYP. - SEE STREETSCAPE PLANS)

S 38° 20' 33" E 463.80'

PROP. RAISED GRANITE ISLAND

PC +10.40

PT +52.24

PROP. CONC. WALK

PROP. LOAM & SEED

REM.

REM.

REM. TREE

RET.

PROP. RAISED GRAN. PLANTER

END PROP. GRAN. CURB
BEGIN R&R GRAN. CURB

PROP. RAISED GRAN. PLANTER

PROP. CEM. CONC. SIDEWALK

RET. RAISED ISLAND

PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)

PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)

PROP. HMA DRIVEWAY

END R&R GRAN. CURB
BEGIN PROP. GRAN. CURB

APPROX. SLOPE LIMIT

PROP. LOAM & SEED

PROP. CEM. CONC. PEDESTRIAN CURB RAMP

BEGIN PROP. GRAN. CURB

RET. EXIST. CONC. SIDEWALK

PROP. GRAN. CURB CORNER TYPE A (TYP.)

RET. RAISED ISLAND

PROP. TEMP. EASEMENT

RET. GUARDRAIL

PROP. PAVERS TYPE C (SEE STREETSCAPE PLANS)

253+44.30
Δ=61° 07' 12"
L=53.34' R=50.00'
PC +44.78
PT +98.12

CONTINUED ON SHEET NO. 22

CONTINUED ON SHEET NO. 25

GRENADA TERRACE (PUBLIC)

DICKINSON STREET (PUBLIC)

BURLINGTON STREET (PUBLIC)

HOLY NAME CATHOLIC ASSOCIATION
BK/PG/ 2029/278
Map ID: 039100474
DICKINSON ST

BISWA GANGA
BK/PG 20723/335
Map ID: 039100075
359 DICKINSON ST

EURIPIDES PETER PIATTI-RIOS
BK/PG 23787/239
Map ID: 039100076
358 DICKINSON ST

SALVATORE O CIRCOSTA
BK/PG 20228/527
Map ID: 039100077
24 BURLINGTON AV

ANTONIO CALVANESE
BK/PG 20996/150
Map ID: 021000006
19 BURLINGTON ST

ANTHONY L SANTANIELLO
BK/PG 06324/0158
Map ID: 021000013
21 BURLINGTON ST

ANTHONY L SANTANIELLO
BK/PG 07357/0103
Map ID: 021000012
25 BURLINGTON ST

FREEDOM PROPERTY GROUP LLC
BK/PG 32116/0577
Map ID: 039100077
368 DICKINSON ST

PHUNG M LE
BK/PG 20981/46
Map ID: 039100078
DICKINSON ST

PHUNG LE
BK/PG 19477/172
Map ID: 039100079
378-380 DICKINSON ST

MINH TAN INC
BK/PG 21390/125
Map ID: 039100081
DICKINSON ST

MEGA MEADOW REI LLC
BK/PG 21246/314
Map ID: 039100084
388-394 DICKINSON ST

THOMAS & KIM VUONG
BK/PG 17187/0515
Map ID: 039100086
400 DICKINSON ST

MUAYYAD REALTY LLC
BK/PG 22697/574
Map ID: 039100461
(PARCEL 1)
DICKINSON ST

MUAYYAD REALTY LLC
BK/PG 22697/574
Map ID: 039100458
(PARCEL 3)
401 DICKINSON ST

BRIAN M & JACQUELINE M TORREY
BK/PG 11045/0145
Map ID: 112800099
512 SUMNER AV

MINH TAI INC
BK/PG 21390/131
Map ID: 012350258
523 BELMONT AV

MINH TAI INC
BK/PG 21390/127
Map ID: 012350259
BELMONT AV

VIEN & TROUNG NGUYEN
BK/PG 19889/57
Map ID: 012350261
511 BELMONT AV

509 BELMONT INC
BK/PG 13096/0178
Map ID: 012350263
BELMONT AV

IRENE A FONTAINE
BK/PG 07687/499
Map ID: 060600038
17 GRENADA TERRACE

IVY SAM LAP & KIM CHAM TANG TRUSTEES
BK/PG 11118/0391
Map ID: 039100464
385 DICKINSON ST

FOREST ORCHARD LLC
BK/PG 24835/469
Map ID: 039100465
371 DICKINSON ST

BENCHMARK: PUNCH MARK ON BOLT OF HYDRANT
EL= 189.12

BENCHMARK: TOP SPINDLE OF HYDRANT
EL= 188.84

1896 CITY LAYOUT

1922 CITY LAYOUT

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 156

DRAINAGE DETAILS

SEE SHEET 135

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

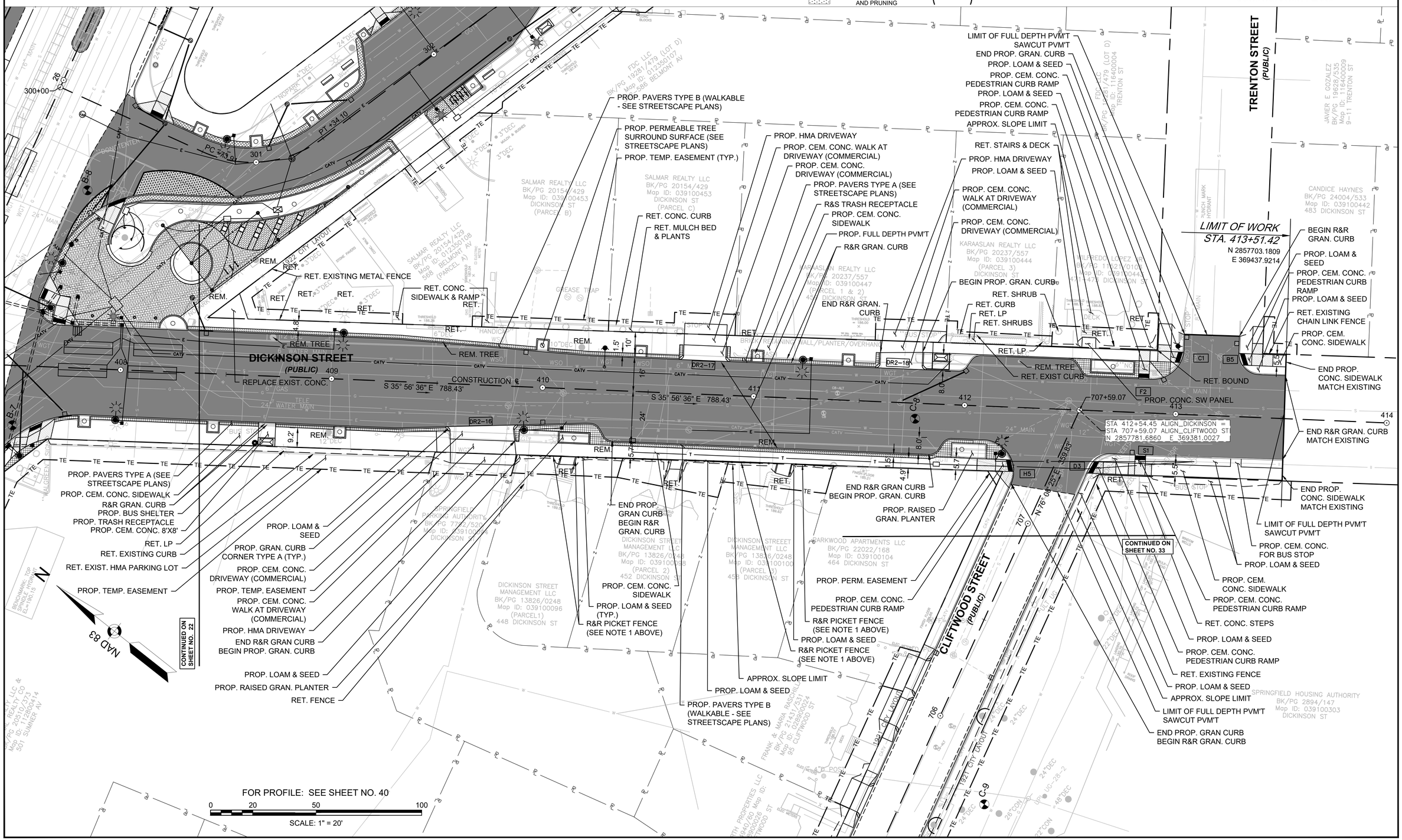
PROPOSED TREE PROTECTION - ARMORING AND PRUNING

NOTE 1: IT IS PREFERABLE TO NOT HAVE TO R&R THE PICKET FENCE IN ORDER TO AVOID FURTHER DAMAGE/DISTURBANCE. IF THE NEW SIDEWALK CAN BE INSTALLED WITHOUT DAMAGING EXISTING PICKET FENCES THE CONTRACTOR MAY KEEP THE FENCE IN PLACE.

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	30	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS



Plotted on 5-May-2023 2:26 PM

20121457A70_HPN01.DWG

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 157

DRAINAGE DETAILS

SEE SHEET 136

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	31	358
	PROJECT FILE NO. 608717		

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:27 PM

SUMNER AVENUE (PUBLIC)

ORMOND STREET (PUBLIC)

BELMONT AVENUE (ROUTE 83) (PUBLIC)

LIMIT OF WORK
STA. 309+32.36
N 2857942.4936
E 370032.4873

PROP. HMA DRIVEWAY
R&R GRAN. CURB
PROP. CEM. CONC. SIDEWALK
APPROX. SLOPE LIMIT
PROP. LOAM & SEED
PROP. HMA DRIVEWAY
PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)
PROP. FULL DEPTH PVM'T
PROP. TEMP. EASEMENT
PROP. TREE (TYP.) (SEE PLANTING PLANS)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)

PROP. CEM. CONC. WALK AT DRIVEWAY (RESIDENTIAL)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. DRIVEWAY (RESIDENTIAL)
PROP. LOAM & SEED
RET. EXIST. VEGE
RET.
REM. WALK
REM. CONC. WALK
PROP. CONC. SW PANEL (TYP. ALONG ALL HOUSES ON ORMOND STREET)
S 13° 55' 09" E 453.65' CONSTRUCTION ℄
RET. SIGN
RET. RAISED GRATE
RET. FENCE & EXIST. PLANTINGS
R&R GRAN. CURB
PROP. CEM. CONC. SIDEWALK
PROP. LOAM & SEED
PROP. TREE PROTECTION - ARMORING AND PRUNING (TYP.)
RET. CONC. PAD
PROP. GRAN. CURB CORNER TYPE A (TYP.)
PROP. CEM. CONC. DRIVEWAY (COMMERCIAL)
PROP. CEM. CONC. WALK AT DRIVEWAY (COMMERCIAL)
PROP. TEMP. EASEMENT
PROP. HMA DRIVEWAY
RET. CURB
RET. FENCE
APPROX. SLOPE LIMIT

CONTINUED ON SHEET NO. 24

CONTINUED ON SHEET NO. 28

FOR PROFILE: SEE SHEET NO. 41

0 20 50 100
SCALE: 1" = 20'

N
NAD 83

HIGHWAY GUARD DETAILS	TRAFFIC SIGNAL CONDUIT	WATER SUPPLY ALTERATIONS	DRAINAGE DETAILS
NONE	NONE	SEE SHEET 158	SEE SHEET 137

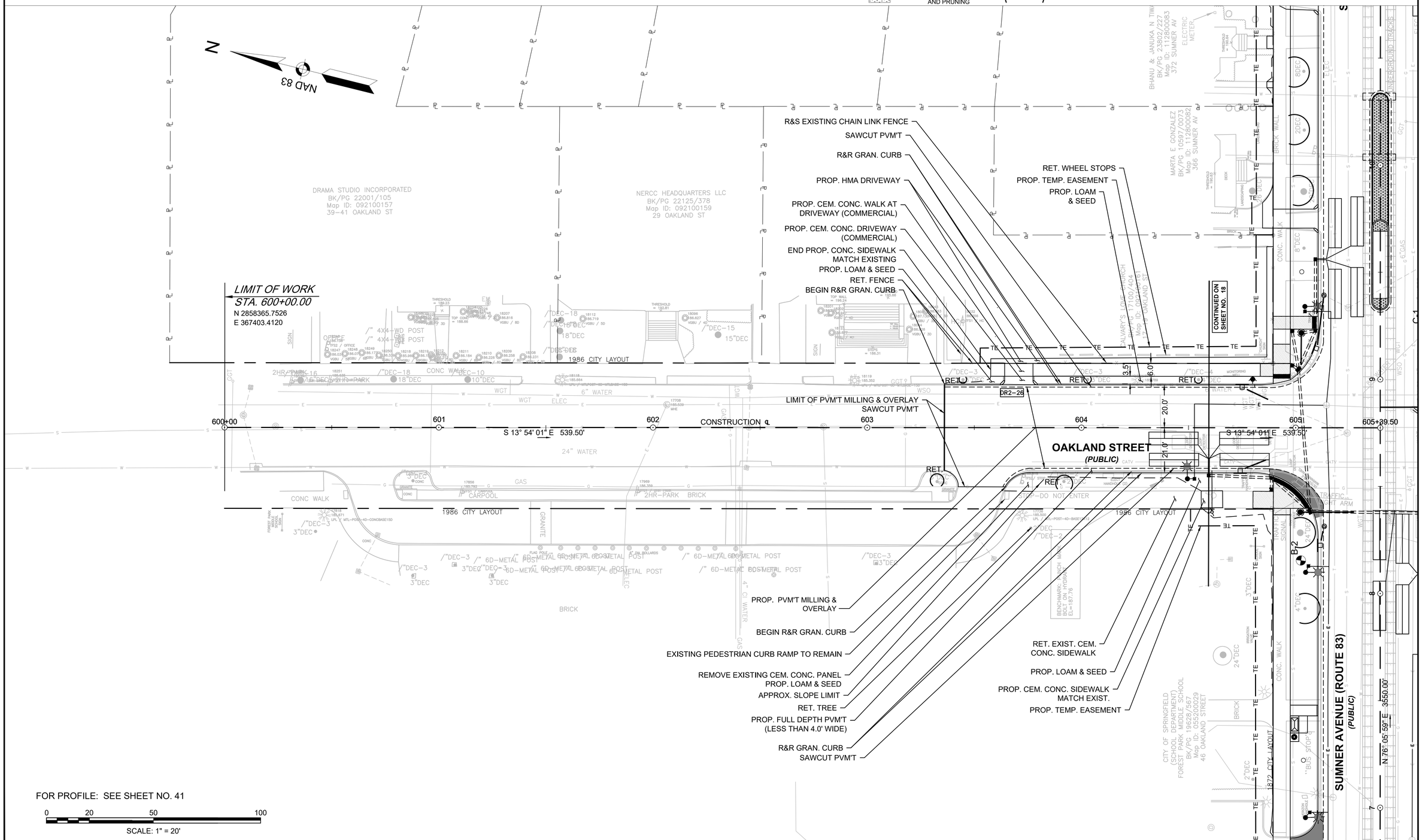
LEGEND:

- FULL DEPTH PAVEMENT RECONSTRUCTION
- STAMPED CONCRETE
- PEDESTRIAN CURB RAMP (PCR)
- PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#
- PROPOSED DRIVEWAY DETAIL # DR#–#
- PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	32	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS



FOR PROFILE: SEE SHEET NO. 41

0 20 50 100

SCALE: 1" = 20'

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:27 PM

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 159

DRAINAGE DETAILS

SEE SHEET 138

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

PROPOSED DRIVEWAY DETAIL # DR#–#

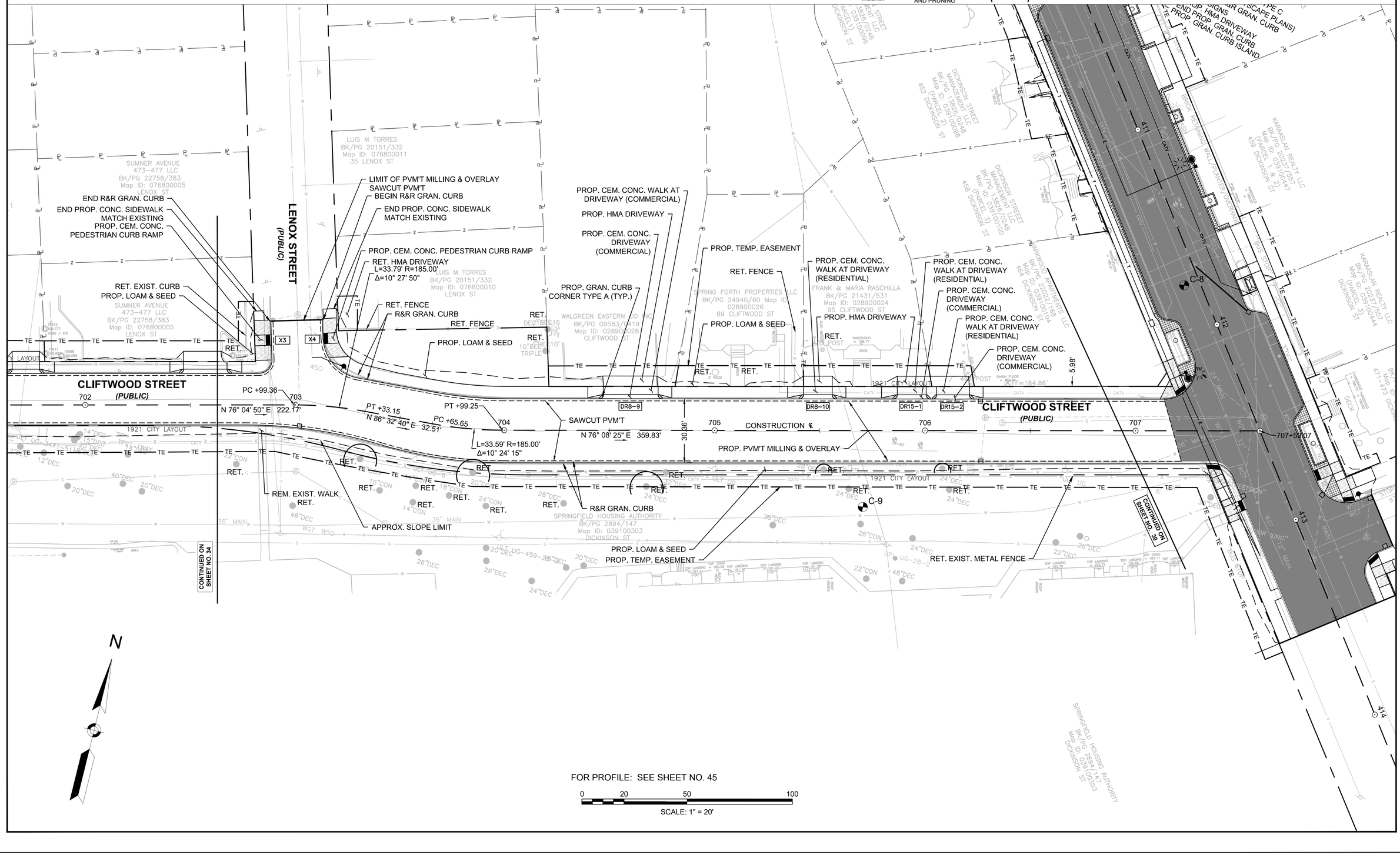
PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	33	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:27 PM



HIGHWAY GUARD DETAILS	TRAFFIC SIGNAL CONDUIT	WATER SUPPLY ALTERATIONS	DRAINAGE DETAILS
NONE	NONE	SEE SHEET 160	SEE SHEET 139

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION

STAMPED CONCRETE

PEDESTRIAN CURB RAMP (PCR)

PROPOSED PEDESTRIAN CURB RAMP DETAIL # X#

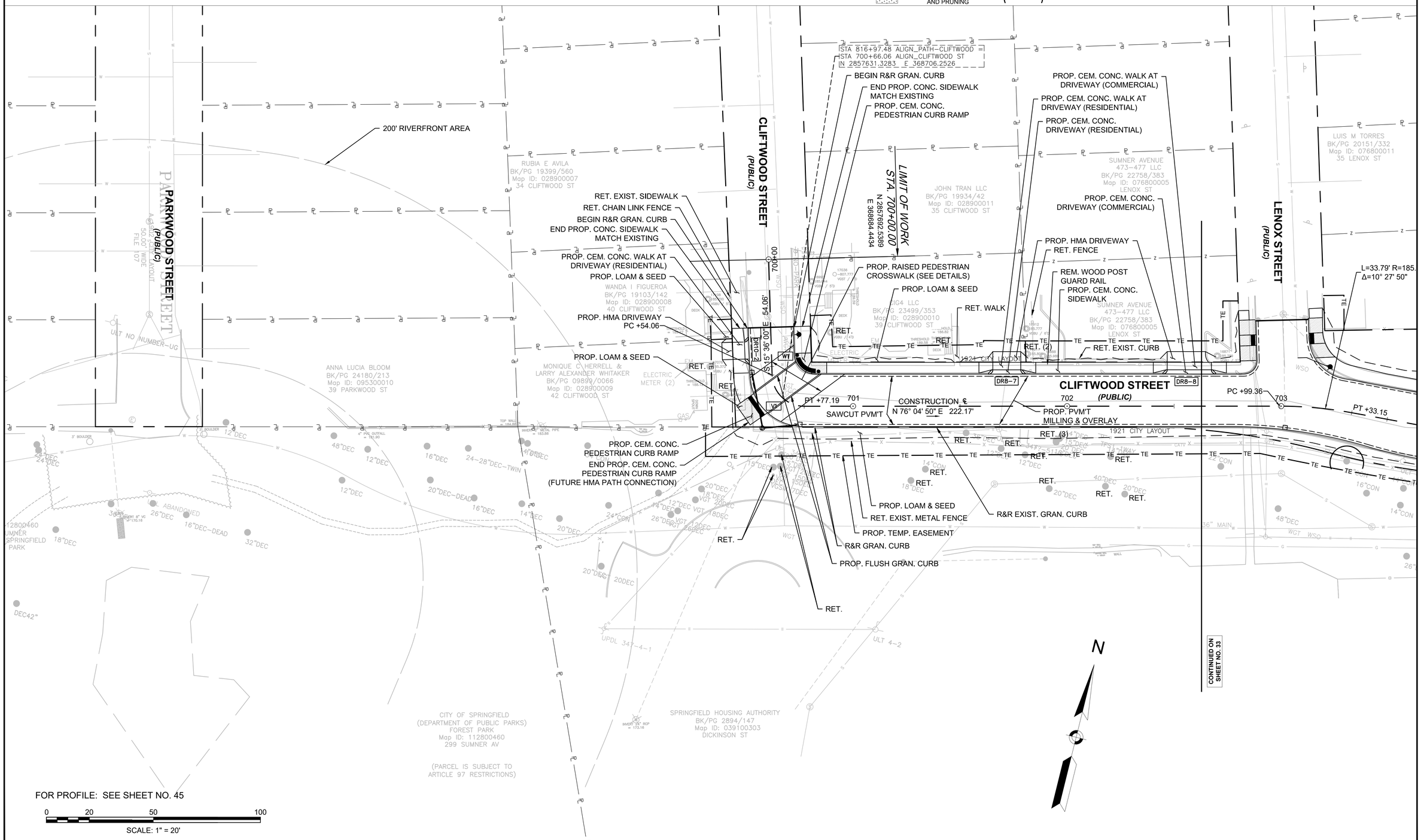
PROPOSED DRIVEWAY DETAIL # DR#-#

PROPOSED TREE PROTECTION - ARMORING AND PRUNING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	34	358
PROJECT FILE NO.	608717		

CONSTRUCTION PLANS



FOR PROFILE: SEE SHEET NO. 45

0 20 50 100

SCALE: 1" = 20'

20121457A70_HPN01.DWG Plotted on 5-May-2023 2:27 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	85	358
	PROJECT FILE NO. 608717		

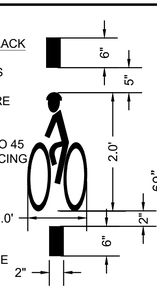
PAVEMENT MARKING & SIGNING PLANS

MARKING LEGEND

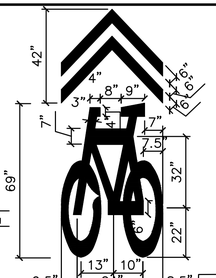
	BICYCLE DETECTOR PAVEMENT MARKING
	PROPOSED SIGN
SL	PROPOSED 12" WHITE STOP LINE
CW	PROPOSED 24" WHITE CROSS WALK
SWL	PROPOSED 6" SOLID WHITE LINE
BWL	PROPOSED 6" BROKEN WHITE LINE (10' MARK - 30' SKIP)
SYL	PROPOSED 6" SOLID YELLOW LINE
BYCL	PROPOSED 6" BROKEN YELLOW CENTER LINE
DBYL	PROPOSED 6" DOUBLE YELLOW LINE
DYL	PROPOSED 6" DOTTED YELLOW CENTER LINE(2' MARK - 6' SKIP)
DWLEx	PROPOSED 6" DOTTED WHITE LINE EXTENSION(2' MARK - 6' SKIP)
YGL	YELLOW GORE LINE - 12" SOLID YELLOW LINE (8' O.C.) @45 DEGREES
YBGL	YELLOW BICYCLE GORE LINE - 6" SOLID YELLOW LINE (3.5' O.C.) @ 45 DEGREES
WGL	WHITE GORE LINE - 6" SOLID WHITE LINE (3.5' O.C.) @ 45 DEGREES
BSL	PROPSED 8" SOLID WHITE BICYCLE STOP LINE

NOTES:

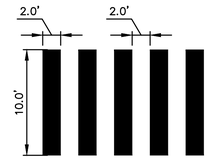
1. ALL STANDARD P-5 SIGN POSTS SHALL BE FACTORY COATED GLOSS BLACK
2. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED ON PLANS
3. ALL PAVEMENT MARKING LINES ARE TO BE POLYUREA, INCLUDING GORE LINES AND CHEVRONS.
4. YELLOW GORE LINES SHALL FORM AN ANGLE OF APPROXIMATELY 30 TO 45 DEGREES WITH THE LONGITUDINAL LINES THAT THEY INTERSECT. SPACING OF GORE LINES SHALL BE APPROXIMATELY 10 FEET.
5. IN PAVEMENT AREAS OUTSIDE THE MILL & OVERLAY AREA, EXISTING PAVEMENT MARKINGS ARE TO BE REMOVED IN AREAS WHERE NEW PAVEMENT MARKINGS ARE PROPOSED
6. ALL R7 SERIES SIGNS (NO PARKING) SHALL BE INSTALLED AT 45 DEGREE ANGLE RELATIVE TO THE ROADWAY. REFER TO THE SIGN SYMBOLS PLACED ON PLANS
7. SEE SIGN SUMMARY ON SHEETS 103 - 105 FOR SIGN DETAILS
8. CONTRACTOR TO COORDINATE ON PROCUREMENT AND SCHEDULE OF BUS STOP SIGN WORK WITH PVTA OPERATIONS. SIGN POSTS SHALL BE PROVIDED BY CONTRACTOR. PVTA SHALL DETERMINE WHICH BUS STOPS SIGNS SHALL BE REPLACED AND PROVIDED NEW BY PVTA AND WHICH EXISTING BUS STOP SIGNS SHALL BE RELOCATED BY THE CONTRACTOR.



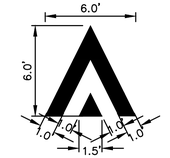
BICYCLE DETECTOR PAVEMENT MARKING
N.T.S



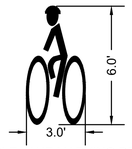
SHARED BICYCLE LANE MARKING DETAIL
N.T.S



CROSSWALK DETAIL
N.T.S



PAINTED WARNING SYMBOL
N.T.S

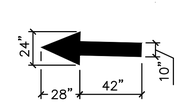


BICYCLE LANE MARKING DETAIL
N.T.S

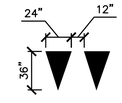
XXXX PROPOSED SIGN DESIGNATION

XXXX EXISTING SIGN DESIGNATION

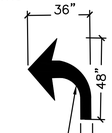
NOTE:
CONTRACTOR SHALL SUPPLY STENCIL TO THE CITY OF SPRINGFIELD DPW.



BICYCLE LANE ARROW MARKING DETAIL
N.T.S



YIELD LINE DETAIL
N.T.S



DIMENSIONS SHALL BE 0.5X THE STANDARD MUTCD ROADWAY SYMBOLS

BICYCLE LANE TURN ARROW MARKING DETAIL
N.T.S

CONTINUED ON SHEET NO. 86

20121457A70_PVT01.DWG Plotted on 5-May-2023 3:53 PM

SEE SHEET 85 FOR MARKING & SIGNING PLAN NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	86	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 3:53 PM

SUMNER TERRACE (PUBLIC)

1909 CITY LAYOUT

NORTH 83 M3-1 MA-M1-5 (83)

NO PARKING ANY TIME R7-1D

R1-1 RET.

R3-8b

STOP ID #1756 PVTA BUS STOP RET.

1872 CITY LAYOUT

NO PARKING SIGNS RET.

LIBRARY SIGN "TEXT-A-TIP" SIGN R&R ON NEW POLE

STREET NAME SIGNS R10-11b R&S

Oakland St MA-D3-1h (MOUNTED ON MAST POST)

TURNING VEHICLES TO R10-15R (ON MAST ARM)

BIKE ROUTE D11-1 (2 MOUNTED BACK TO BACK)

R3-8h R10-15R

1885 CITY LAYOUT

OAKLAND STREET (PUBLIC)

LEFT TURN YIELD ON FLASHING MA-R10-12a (ON MAST ARM)

ONLY R3-5L (ON MAST ARM)

CONTINUED ON SHEET NO. 100

R4-7

CONTINUED ON SHEET NO. 87

NAD 83

SUMNER AVENUE (ROUTE 83) (PUBLIC)

SUMNER AVENUE (ROUTE (PUBLIC)

SWL BWL DBYL DWLEx YGL SYL

"NO PARKING" SIGN R&S

R3-8a

R7-1D R7-201

PROP. STANDARD THERMOPLASTIC SYMBOLS (ITEM #864.04) (TYP.)

NO TURN ON RED R10-11b (ON SIGNAL POST)

R10-11b R&S

PROP. TRAFFIC SIGNAL MAST ARM AND FOUNDATION (TYP.) (SEE SIGNAL PLANS)

Sumner Ave MA-D3-1g (MOUNTED ON MAST POST)

ROUTE 83 TO 57 Longmeadow W. Springfield 83 SOUTH E. Longmeadow MA-D1-7a

R5-1 R&S

ONE WAY DO NOT ENTER R6-1R/L R5-1

Oakland St MA-D3-1h (MOUNTED ON MAST POST)

"NO PARKING" SIGN R&S

SOUTH 83 M3-3 MA-M1-5 (83)

FOREST PARK

DIRT PATH

MULCH

CONTINUED ON SHEET NO. 85

0 20 50 100

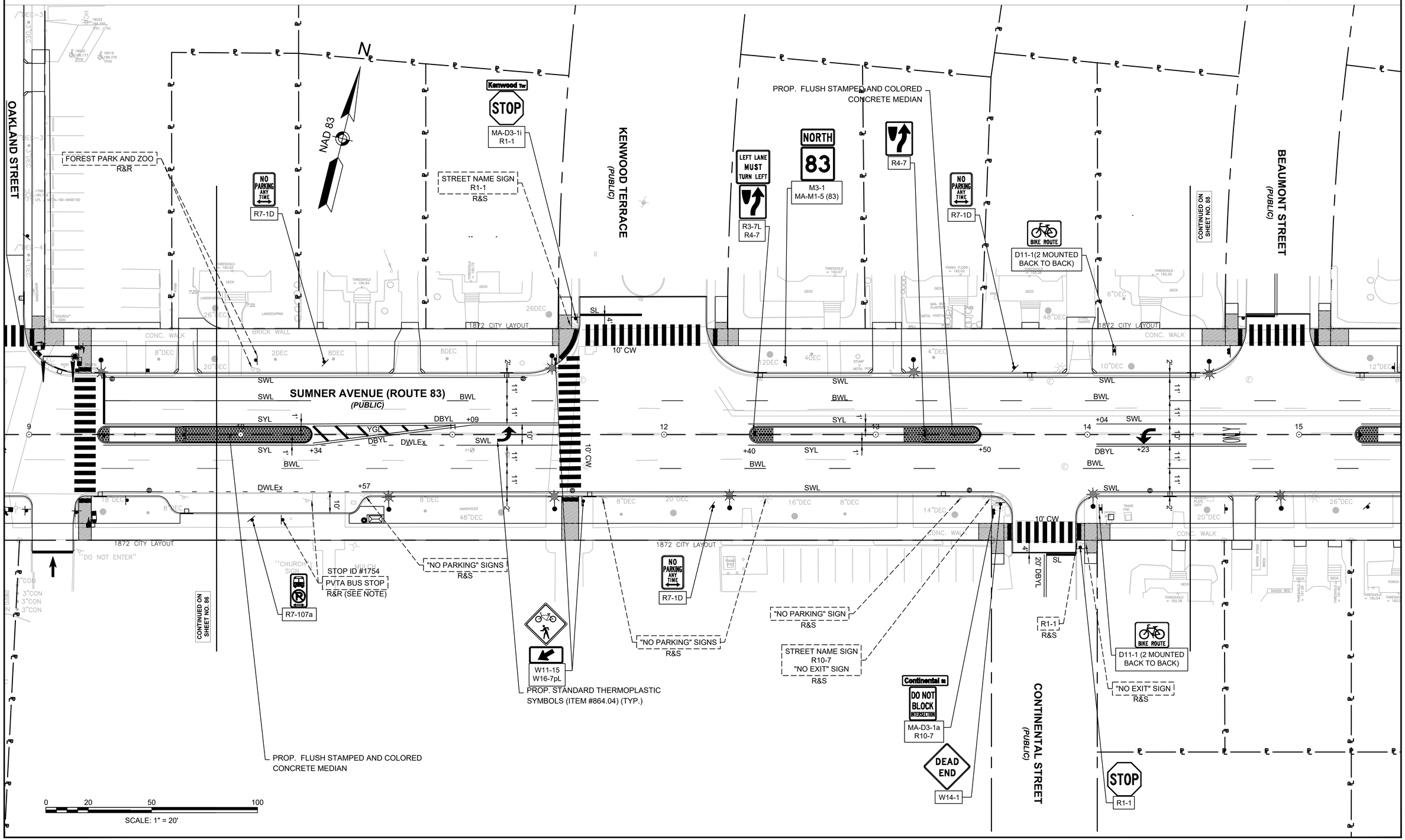
SCALE: 1" = 20'

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	87	358
PROJECT FILE NO.	608717		

PAVEMENT MARKING & SIGNING PLANS



20121457A70_PVT01.DWG Plotted on 5-May-2023 3:55 PM

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	88	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 3:55 PM

N

NAD 83

BEAUMONT STREET (PUBLIC)

STREET NAME SIGN R1-1 R&S

Beaumont St MA-D3-1j

STOP R1-1

PROP. FLUSH STAMPED AND COLORED CONCRETE MEDIAN

R4-7

R4-7

STOP ID #1749
PVTA BUS STOP
R&R (SEE NOTE)

NO PARKING ANY TIME R7-1D

NORTH 83 M3-1 MA-M1-5 (83)

NO PARKING ANY TIME R7-1D

PROP. STANDARD THERMOPLASTIC SYMBOLS (ITEM #864.04) (TYP.)

CONTINUED ON SHEET NO. 89

SUMNER AVENUE (ROUTE 83) (PUBLIC)

PROP. BICYCLE LANE TURN ARROW MARKING (TYP.)

"NO PARKING" SIGN R&S

SOUTH 83 M3-3 MA-M1-5 (83)

NO PARKING ANY TIME R7-1D

DO NOT BLOCK INTERSECTION R10-7

STREET NAME SIGN R&S

"NO EXIT" SIGNS R&S

R7-107a

STOP ID #1751
PVTA BUS STOP
R&R (SEE NOTE)

PARKING SIGN

PARKING SIGN RET GUIDE SIGN R&S

R1-1 R&S

BIKE ROUTE D11-1 M6-2L (BIKE)

STOP R1-1

BIKE LANE AHEAD R3-17 R3-17aP

ONLY ONLY ONLY R3-8a

NO PARKING ANY TIME R7-1D

"NO PARKING" SIGN R&S

"NO PARKING" SIGN R2-1 (30) R&S

CONTINUED ON SHEET NO. 87

CONTINENTAL STREET (PUBLIC)

PARKWOOD STREET (PUBLIC)

CLIFTWOOD STREET (PUBLIC)

Parkwood St NO OUTLET MA-D3-1b W14-2aR

0 20 50 100
SCALE: 1" = 20'

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	89	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 3:57 PM

N
NAD 83
PROP. TRAFFIC SIGNAL MAST ARM AND FOUNDATION (TYP.) (SEE SIGNAL PLANS)
"NO PARKING" SIGN
"1 HR PARKING" SIGN
R&S
BELMONT AVENUE (PUBLIC)
PT +22.94
1922 CITY LAYOUT
CONTINUED ON SHEET NO. 84
ONE WAY R6-1L
R3-2
STOP ID #6288
PVTA BUS STOP
R&R (SEE NOTE)
BIKE LANE R3-17
DO NOT BLOCK INTERSECTION R10-7
"NO PARKING" SIGNS R&S
CONTINUED ON SHEET NO. 90
DICKINSON STREET (PUBLIC)
1896 CITY LAYOUT
PC +14.78
R7-107a
LEFT TURN YIELD ON FLASHING
MA-R10-12a
(ON MAST ARM)
NORTH 83 TO 91 Longmeadow W. Springfield
83 SOUTH E. Longmeadow
MA-D1-7b
TURNING VEHICLES TO
R10-15R
(ON MAST ARM)
BIKE ROUTE
D11-1 M6-1R (BIKE)
"NO PARKING" SIGN
R&S
NO PARKING ANY TIME
R7-1D
R4-7
D6-5 D1-2
SPEED LIMIT 30
R2-1 (30)
Belmont Ave ONE WAY
MA-D3-1l R6-2R
R1-2 R&S
R4-7 R&S
R4-7
R3-2
(ON MAST ARM)
CONC. WALK
1872 CITY LAYOUT
SL
CWL
SWL
SYL
DBYL
BWL
YGL
WGL
DWLEx
10' CW
MULCH
PAVEMENT PATCH
BRICK
"NO PARKING"
"NO PARKING" TRASH
R4-7 R3-4 (BACK TO BACK)
R10-7 R&S
CONTINUED ON SHEET NO. 88
ONE WAY
DO NOT ENTER
R6-1R/L R5-1
SPEED LIMIT 30
R2-1 (30)
"SLOW CHILDREN" SIGN
R&R TO FACE OPPOSITE DIRECTION ON POLE
R6-1L R&S
CLIFTWOOD STREET (PUBLIC)
BIKE LANE R3-17
R3-1
R6-1R R&S
STREET NAME SIGN R&S
Cliftwood St MA-D3-1c
(MOUNTED ON MAST POST)
Sumner Ave MA-D3-1g
(MOUNTED ON MAST POST)
NO TURN ON RED
ONLY
R10-11b R3-8d
R7-107a
2 HR PARKING 8:00 AM TO 6:00 PM
R7-108
PROP. 8' X 20' PARKING STALL (TYP.)
"NO PARKING" SIGN R&S
PROP. BICYCLE LANE TURN ARROW MARKING (TYP.)
PROP. STANDARD THERMOPLASTIC SYMBOLS (ITEM #864.04) (TYP.)
STOP ID #9006
PVTA BUS STOP
R&R (SEE NOTE)
ONLY R3-5L
(ON MAST ARM)
STREET NAME SIGN
"NO PARKING" SIGN
R&S
Lenox St DO NOT BLOCK INTERSECTION MA-D3-1d R10-7
PROP. HIGH FRICTION SURFACE TREATMENT - GREEN (BIKE LANES) (TYP., SEE SPECIAL PROVISIONS)
LENOX STREET (PUBLIC)
R5-1 R&S
83 SOUTH E. Longmeadow Somers, CT SECOND RIGHT Dickinson St NEXT RIGHT
D6-7 D1-1B
ONE WAY R6-2R
ONLY ONLY ONLY
BEGIN RIGHT TURN LANE YIELD TO BIKES
R3-8c R4-4
GUIDE SIGNS R&S
R3-2 R4-7 R&S
"NO PARKING" SIGN R&S
R7-108 R&S
SUMNER AVENUE (ROUTE 83) (PUBLIC)
0 20 50 100
SCALE: 1" = 20'

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	90	358
PROJECT FILE NO.	608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 3:58 PM

R7-107a
STOP ID #1735
PVTA BUS STOP
RET.
R3-1
R&S
MA-D1-7a
"NO PARKING" SIGN
R&S
W11-1
MA-W16-19P
ON ROADWAY
PROP. TRAFFIC SIGNAL MAST ARM AND FOUNDATION (TYP.)
(SEE SIGNAL PLANS)
STOP ID #1738
PVTA BUS STOP
R&R (SEE NOTE)
R10-15R
(ON MAST ARM)
R10-11b
NO TURN ON RED
LEFT TURN YIELD ON FLASHING
MA-R10-12a
(ON MAST ARM)
R10-11b
R3-2
R&S
D1-3
R7-108
R7-108
"NO PARKING" SIGN
R&S
PROP. 8' X 20'
PARKING STALL (TYP.)
R3-8b
R10-6
R&S
D6-8
STREET NAME SIGN
R1-1
R&S
Venture St
MA-D3-1m
STOP
R1-1
"NO PARKING" & "30 MIN PARKING" SIGNS
R&S
PROP. HIGH FRICTION SURFACE TREATMENT - GREEN (BIKE LANES) (TYP., SEE SPECIAL PROVISIONS)
CONTINUED ON SHEET NO. 91
VENTURA STREET
(PUBLIC)
BIKE LANE
R3-17
DO NOT BLOCK INTERSECTION
R10-7
R10-7
R&S
N
NAD 83
DICKINSON STREET
(PUBLIC)
CONTINUED ON SHEET NO. 97
Sumner Ave
Dickinson St
MA-D3-1g
MA-D3-1k
(ON MAST POST)
R10-15R
(ON MAST ARM)
"NO PARKING" SIGN
R&S
R3-2
R4-7
R&S
R10-11b
R3-2
R&S
R3-2
(ON MAST ARM)
PROP. BICYCLE LANE TURN ARROW MARKING (TYP.)
SUMNER AVENUE
(PUBLIC)
R4-7
R3-5L
(ON MAST ARM)
NO TURN ON RED
R10-11b
R4-7
R&S
PROP. STANDARD THERMOPLASTIC SYMBOLS (ITEM #864.04) (TYP.)
"NO PARKING" SIGN
R&S
CONTINUED ON SHEET NO. 89
R10-15R
(ON MAST ARM)
R3-1
R&S
R7-1D
R&S
R3-5L
(ON MAST ARM)
CONTINUED ON SHEET NO. 98
R5-1 & R6-1
R&S
R2-1 (30)
SPEED LIMIT 30
BIKE LANE
R3-17
R10-6
R&S
MA-D3-1l
R6-2R
Belmont Ave
ONE WAY
"RIGHT ON GREEN" SIGN
R&S
R4-7
MA-D1-6b
R7-1D
GUIDE SIGN
MILE MARKER
R2-1 (30)
R&S
BELMONT AVENUE (ROUTE 83)
(PUBLIC)
LEFT TURN YIELD ON FLASHING
MA-R10-12a
(ON MAST ARM)
R7-1D
MA-D1-7b
"NO PARKING" SIGN
R&S
CONTINUED ON SHEET NO. 96
DICKINSON STREET
(PUBLIC)
SCALE: 1" = 20'
0 20 50 100

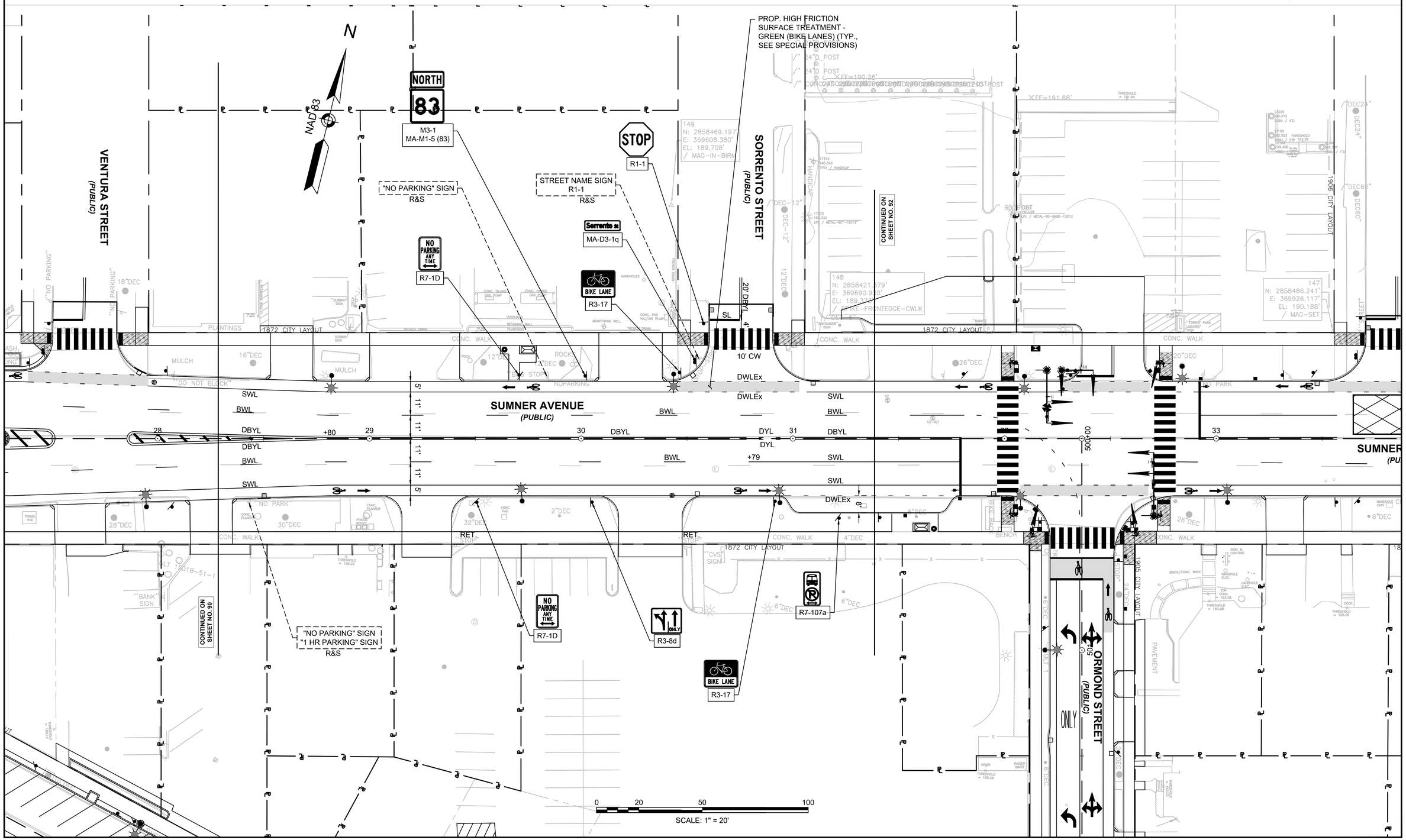
SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	91	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 3:59 PM



SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	92	358
PROJECT FILE NO.	608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 4:00 PM

N

NAD 83

SORRENTO STREET (PUBLIC)

POMONA STREET (PUBLIC)

SUMNER AVENUE (PUBLIC)

ORMOND STREET (PUBLIC)

DAYTONA STREET (PUBLIC)

DO NOT BLOCK INTERSECTION MARKINGS (SEE DETAIL)

"SEVERE WEATHER" "NO PARKING" SIGN R&S

PROP. TRAFFIC SIGNAL MAST ARM AND FOUNDATION (TYP.) (SEE SIGNAL PLANS)

STREET NAME SIGNS R1-1 R&S

STOP R1-1

END OF PROJECT STA. 35+44.11 N 2858482.686 E 370121.628

STOP ID #1731 PVTA BUS STOP PVTA TO ADVISE ON RELOCATION

STOP ID #1726 PVTA BUS STOP R&R (SEE NOTE)

STOP ID #1733 PVTA BUS STOP R&R (SEE NOTE)

MATCH EXISTING MARKINGS

CONTINUED ON SHEET NO. 99

CONTINUED ON SHEET NO. 91

R3-5L (ON MAST ARM)

R3-2 (ON MAST ARM)

R10-15R

D6-2

MA-D3-1g (MOUNTED ON MAST POST)

MA-D3-1r

MA-D3-1n MA-D3-1g (MOUNTED ON MAST POST)

R7-1D

R3-17

R10-7

W11-2 R&S

R2-1 (30) R&S

R7-107a

R2-1 (30)

R3-8e

R3-17 R3-17aP

R10-12 (ON MAST ARM)

R3-17 R3-17bP

R3-1 (ON MAST ARM)

R6-1R/L R5-1

R1-1 & STREET NAME SIGNS R&S

R10-11b R10-15R

PROP. HIGH FRICTION SURFACE TREATMENT - GREEN (BIKE LANES) (TYP., SEE SPECIAL PROVISIONS)

SCALE: 1" = 20'

PROP. 6 INCH DIAGONAL WHITE THERMOPLASTIC LINES @ 9' O.C. (TYP.)

PROP. 12 INCH WHITE THERMOPLASTIC LINE

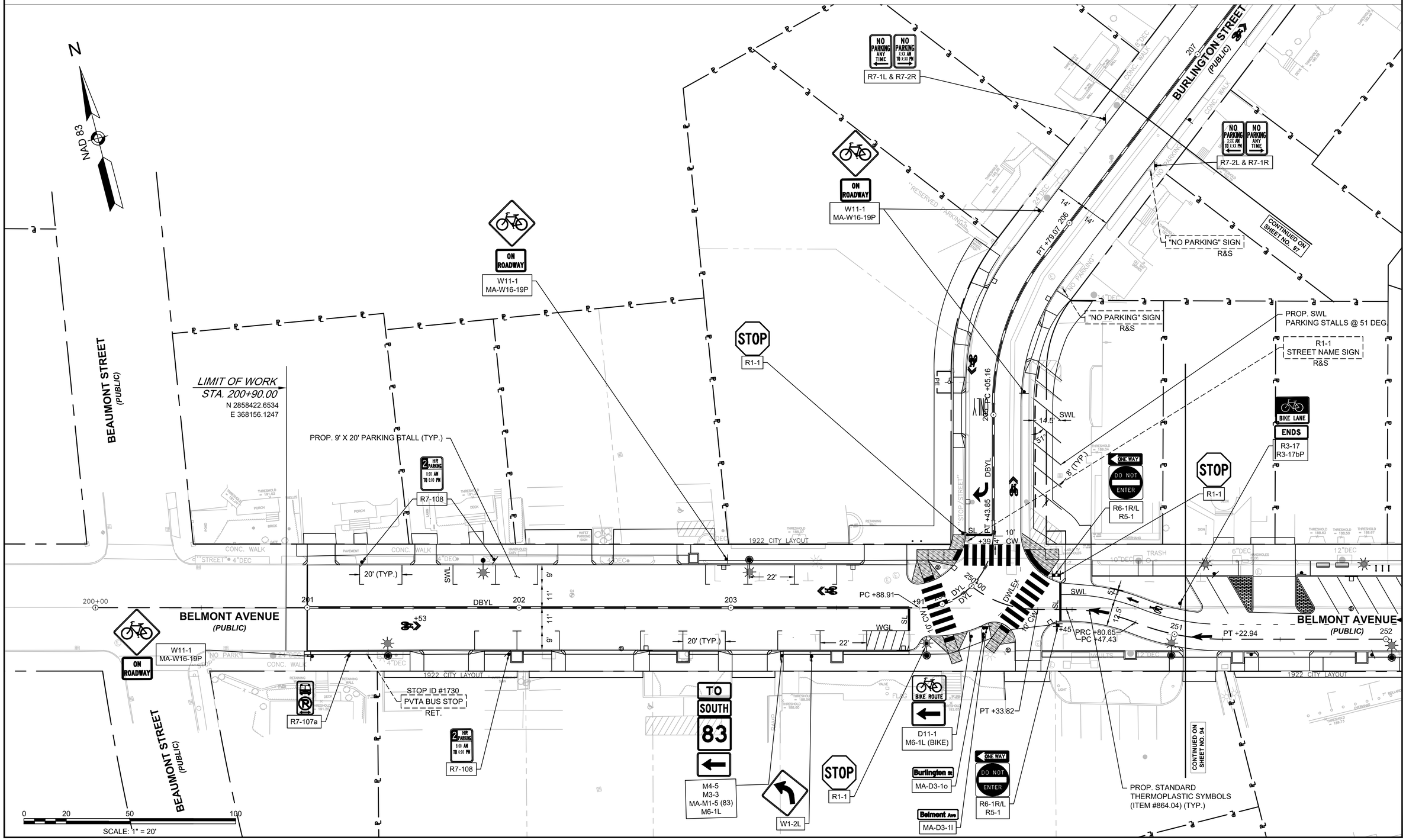
DO NOT BLOCK INTERSECTION MARKINGS
N.T.S

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	93	358
PROJECT FILE NO.	608717		

PAVEMENT MARKING & SIGNING PLANS

SEE SHEET 85 FOR MARKING & SIGNING PLAN NOTES



20121457A70_PVT01.DWG Plotted on 5-May-2023 4:01 PM

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	94	358
	PROJECT FILE NO.	608717	

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 4:01 PM

PROP. STANDARD THERMOPLASTIC SYMBOLS (ITEM #864.04) (TYP.)

R7-108 — 2 HR PARKING 8:00 AM TO 6:00 PM

R7-8MA — HANDICAPPED PARKING

R6-1L — ONE WAY

R6-1R — ONE WAY

R7-1D — NO PARKING ANY TIME

STOP ID #1737
PVTA BUS STOP
R&S

PROP. 20' X 8' PARKING STALL @ 60 DEG. (TYP.)

DICKINSON STREET (PUBLIC)

BELMONT AVENUE (PUBLIC)

SUMNER AVENUE (ROUTE 83) (PUBLIC)

LENOX STREET (PUBLIC)

PT +79.07
PC +05.16
PT +43.85
PC +88.91
PRC +80.65
PC +47.43
PT +33.82
PT +22.94
PC +14.78
PT +33.80

CONTINUED ON SHEET NO. 93

CONTINUED ON SHEET NO. 89

N
NAD 83

0 20 50 100
SCALE: 1" = 20'

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	95	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 4:02 PM

SUMNER AVENUE (PUBLIC)
DICKINSON STREET (PUBLIC)
BELMONT AVENUE (ROUTE 83) (PUBLIC)
COMMONWEALTH AVENUE (PUBLIC)
TRENTON STREET (PUBLIC)
LIMIT OF WORK STA. 901+00.00 N 2957920.9642 E 369649.8683
PC +73.91
PT +34.10
PC +71.35
CONTINUED ON SHEET NO. 90
CONTINUED ON SHEET NO. 96
PROP. 8.5' X 20' PARKING STALLS (TYP.)
PROP. 8' X 22' PARKING STALLS (TYP.)
PROP. SWL 8' X 22' PARKING STALLS (TYP.)
PROP. STANDARD THERMOPLASTIC SYMBOLS (ITEM #864.04) (TYP.)
PROP. BICYCLE LANE TURN ARROW MARKING (TYP.)
PROP. YIELD LINES (TYP.)
STOP ID #1747 PVTA BUS STOP R&S
STOP ID #1741 PVTA BUS STOP R&R (SEE NOTE)
"NO PARKING" SIGN R&S
"NO PARKING" SIGN RET.
STREET NAME SIGNS R&S
SCALE: 1" = 20'
N NAD 83

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	96	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

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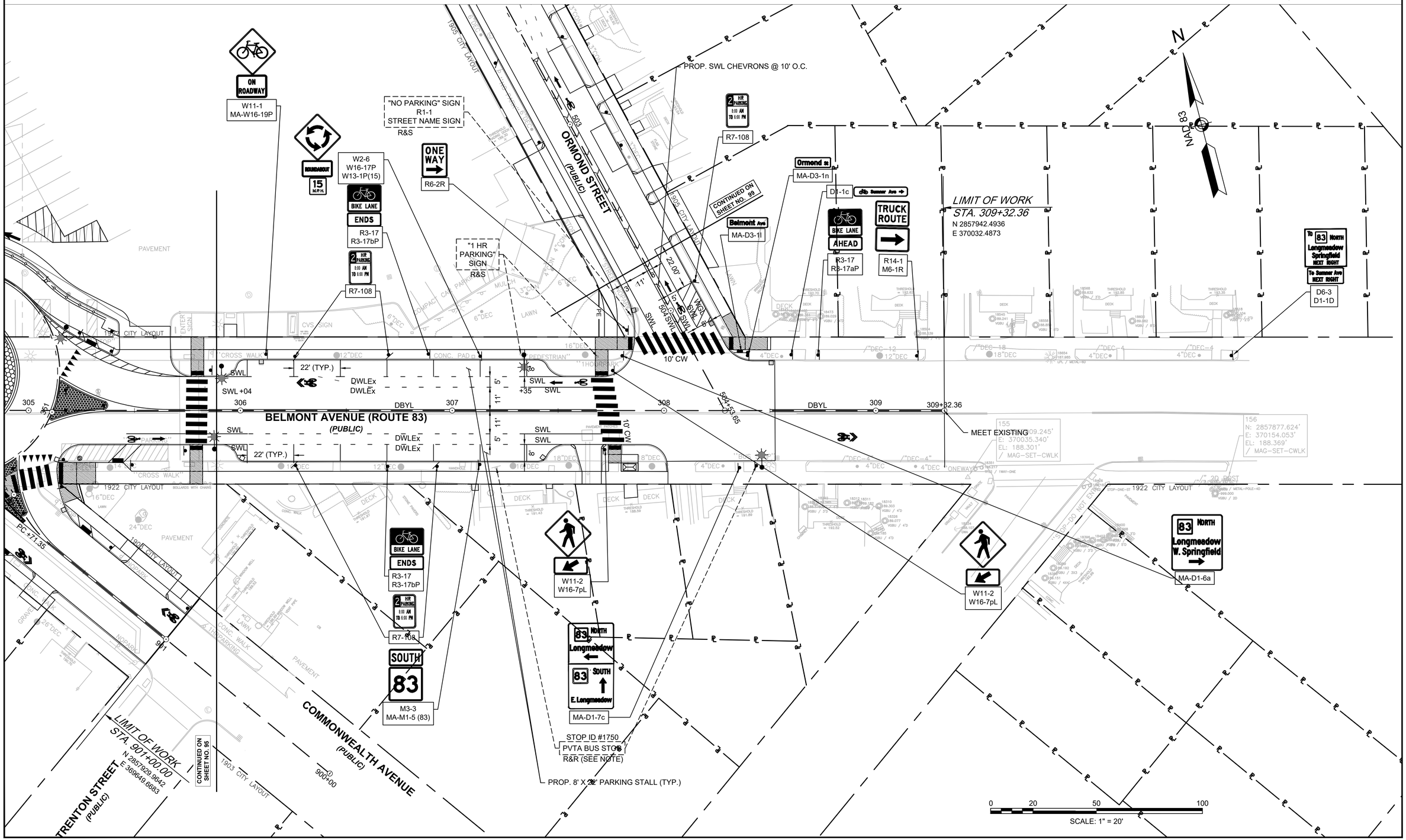

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	97	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

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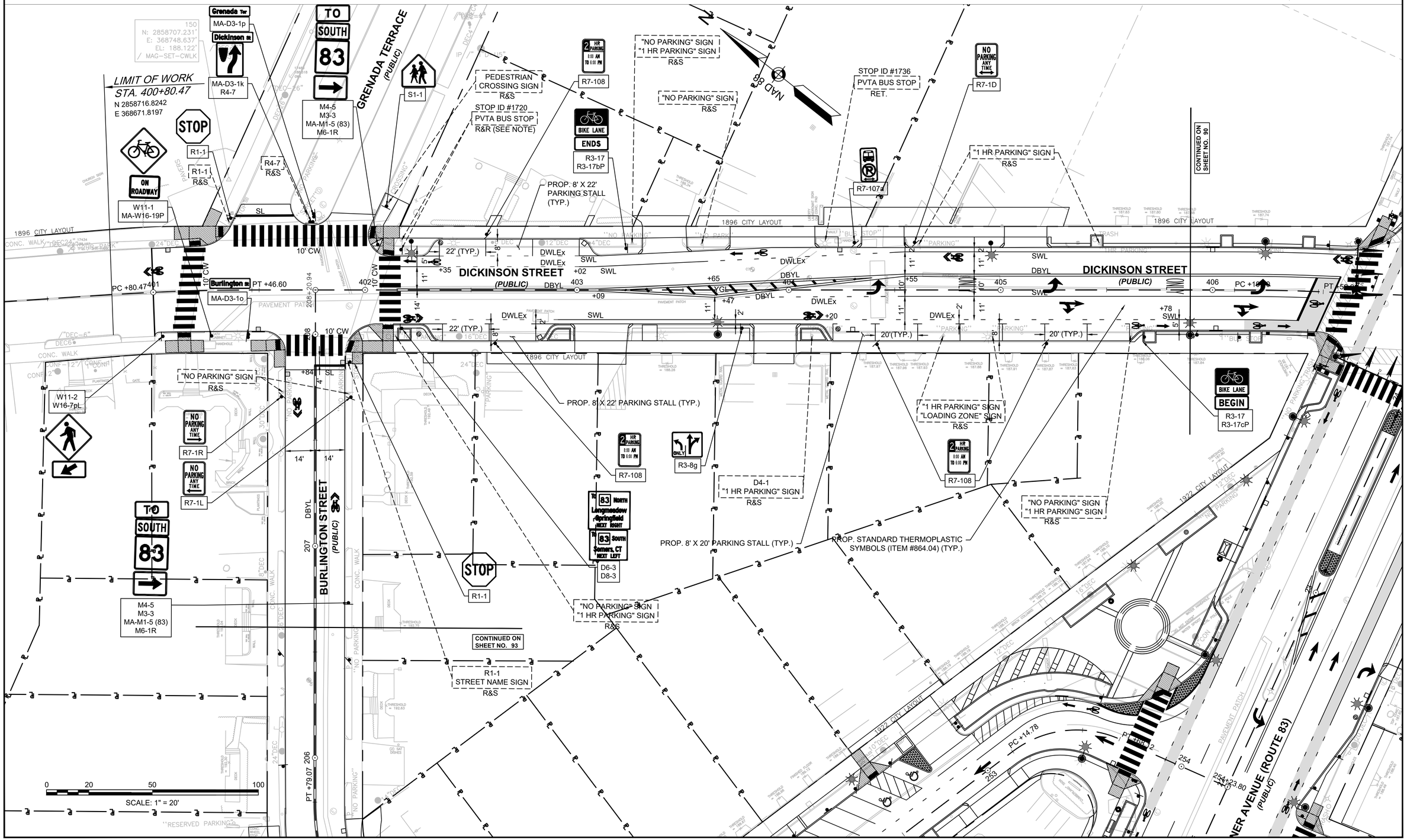


SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	98	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 4:06 PM

SUMNER AVENUE (PUBLIC)
DICKINSON STREET (PUBLIC)
TRENTON STREET (PUBLIC)
CLIFTWOOD STREET (PUBLIC)
PC +73.91
PT +34.10
LIMIT OF WORK STA. 413+51.42
N 2857703.1809
E 369437.9214
NAD 83
1922 CITY LAYOUT
1921 CITY LAYOUT
"NO PARKING" SIGN & R7-108 R&S
R3-8g
R7-1D
R1-1 RET.
R3-17
R7-107a
STOP ID #1762
PVTA BUS STOP R&R
D6-4
R7-108
"NO PARKING" SIGN R&S
PROP. 8' X 20' PARKING STALL (TYP.)
W11-2 W16-7pL
R1-1
R1-1 R&S
20' DBYL
BIKE LANE AHEAD
R3-17 R3-17aP
STREET NAME SIGN R&S
MA-D3-1e Trenton
STOP ID #1746
PVTA BUS STOP R&R (SEE NOTE)
R7-1D R&S
W11-2 R&S
PROP. 8' X 22' INTERIOR PARKING STALL (TYP.)
BIKE LANE ENDS
R3-17 R3-17bP
"NO PARKING" SIGN R&S
CONTINUED ON SHEET NO. 90
CONTINUED ON SHEET NO. 101
STOP ID #1760
PVTA BUS STOP RET.
"SENIOR XING" SIGN R&R
Dickinson
MA-D3-1k
STREET NAME SIGN & "SUMNER/BELMONT WESTBOUND" SIGN R&S
Cliftwood
MA-D3-1c
NO PARKING ANY TIME
R7-1R
ON ROADWAY
W11-1 MA-W16-19P
142
N: 2857730.444'
E: 369243.029'
EL: 184.306'
HUB-TACK
SCALE: 1" = 20'

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	99	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS

20121457A70_PVT01.DWG Plotted on 5-May-2023 4:07 PM

NAD 83

LIMIT OF WORK
STA. 309+32.36
N 2857942.4936
E 370032.4873

PROP. HIGH FRICTION SURFACE TREATMENT - GREEN (BIKE LANES) (TYP., SEE SPECIAL PROVISIONS)

PROP. STANDARD THERMOPLASTIC SYMBOLS (ITEM #864.04) (TYP.)

PROP. SWL CHEVRONS @ 10' O.C.

"NO PARKING" SIGN R&S

R7-1D

R3-8f

R3-17

R7-1L

R7-108

R6-1L

R1-1 RET.

D6-4

CONTINUED ON SHEET NO. 92

CONTINUED ON SHEET NO. 96

ORMOND STREET *(PUBLIC)*

SUMNER AVENUE *(PUBLIC)*

MAIN STREET *(PUBLIC)*

FRONT AVENUE (ROUTE 83) *(PUBLIC)*

147 N: 2858486.241' E: 369926.117' EL: 190.188' / MAG–SET

148 N: 2858421.379' E: 369690.930' EL: 189.373' SPIKE–FRONTEDGE–CWLK

155 N: 2857909.245' E: 370035.340' EL: 188.301' MAG–SET–CWLK

0 20 50 100

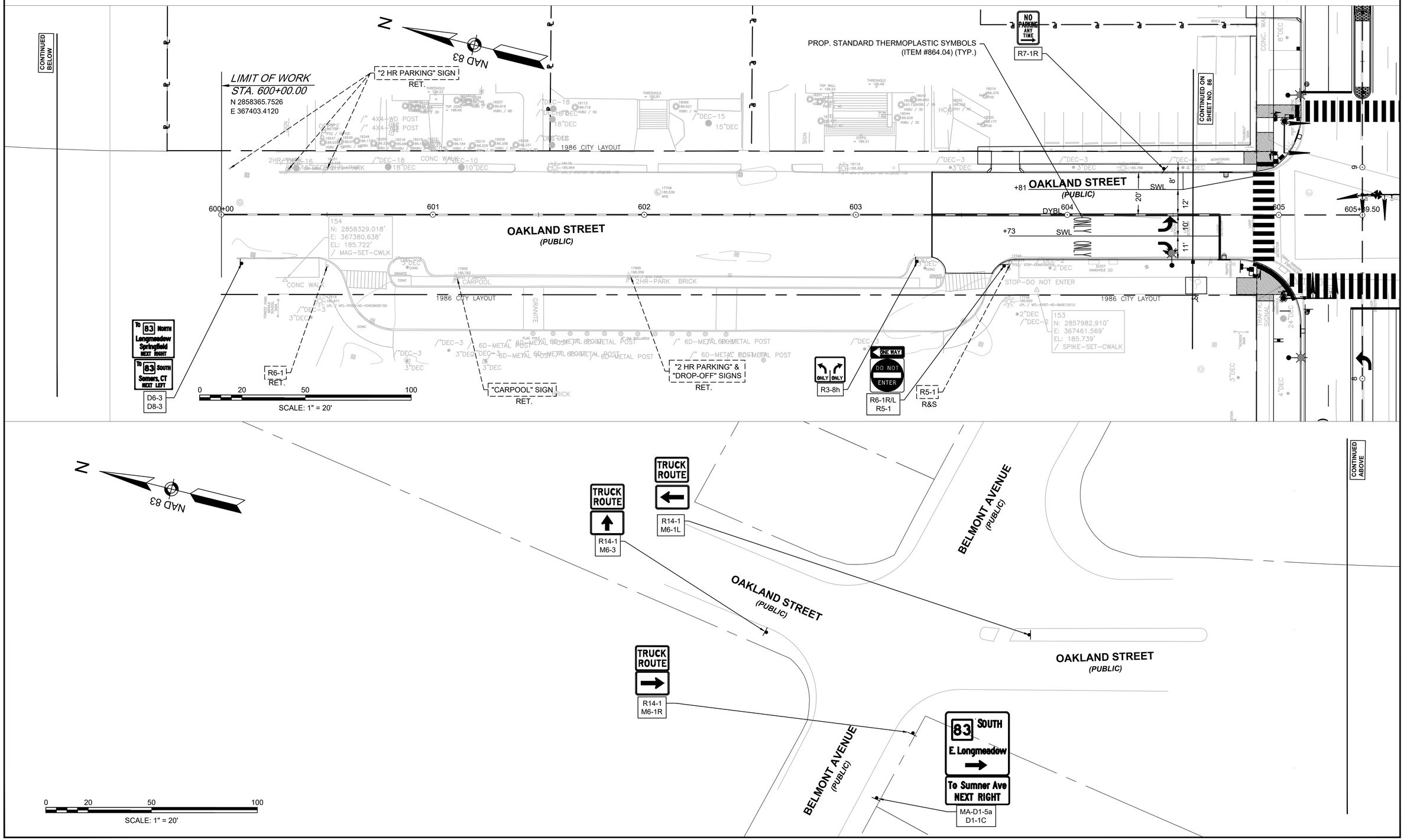
SCALE: 1" = 20'

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X' INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	100	358
PROJECT FILE NO.	608717		

PAVEMENT MARKING & SIGNING PLANS



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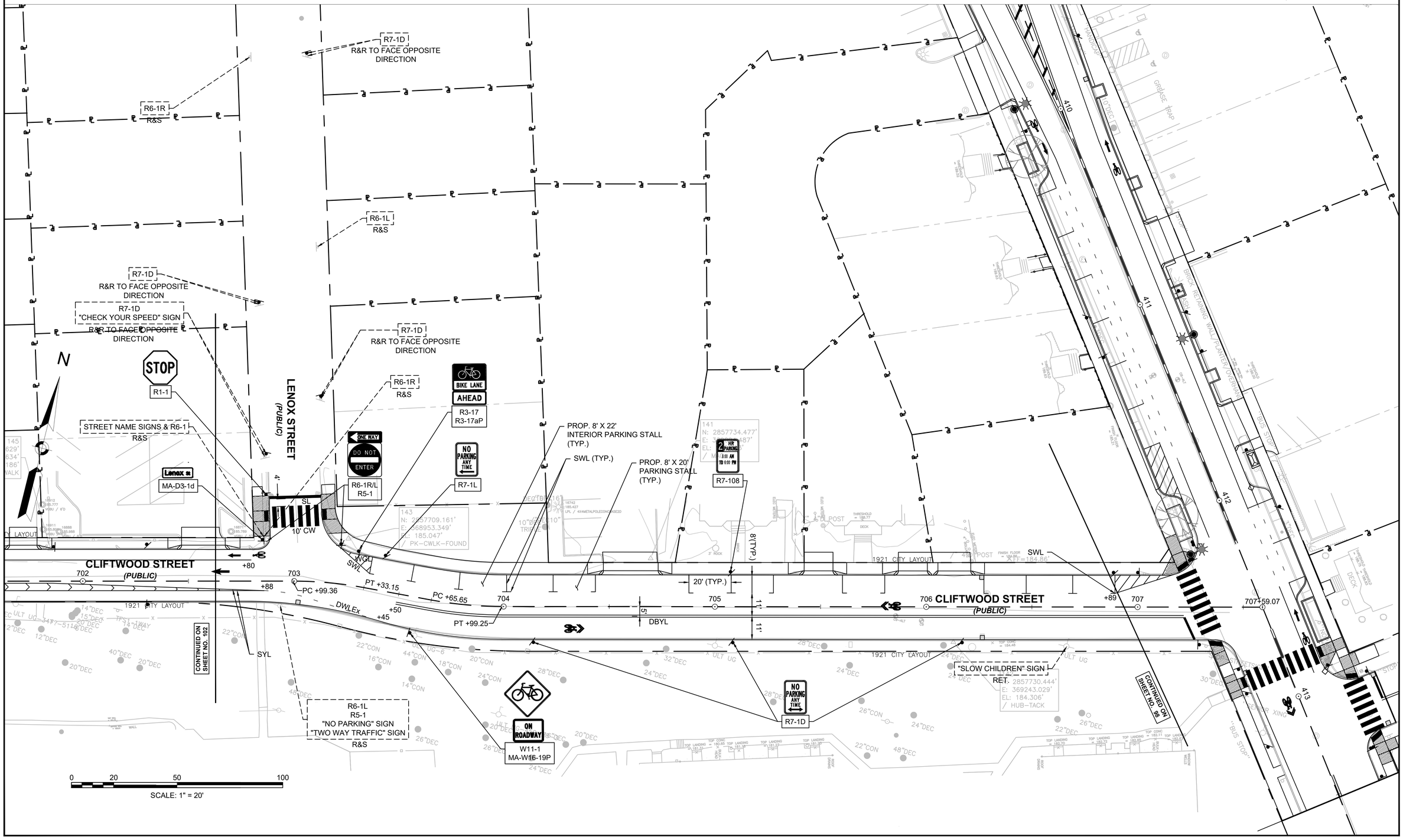
SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	101	358
	PROJECT FILE NO. 608717		

PAVEMENT MARKING & SIGNING PLANS



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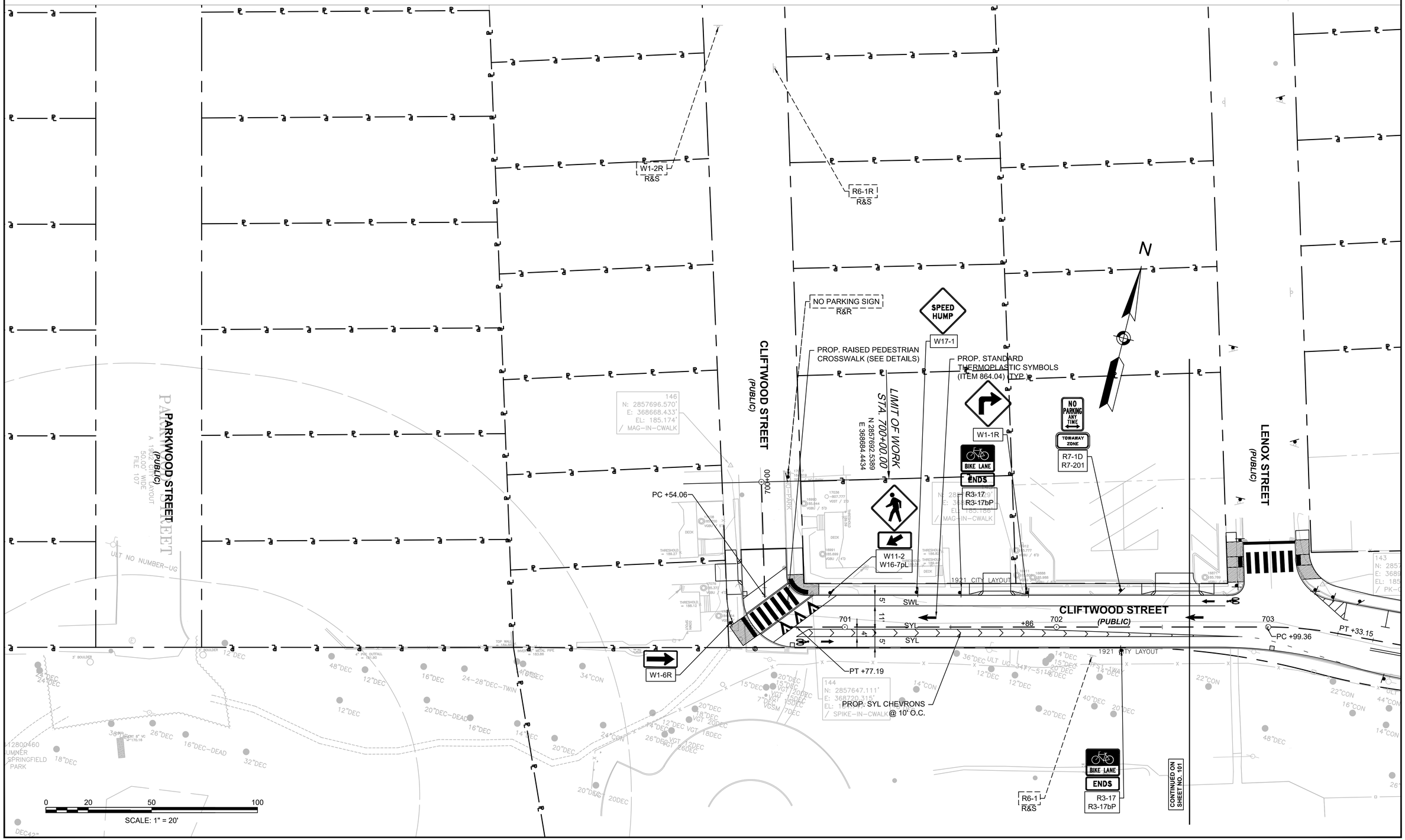
Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 CTB File: MADOT-D.STB
MS VIEW: - LAYER STATE: -
20121457A70_PVT01.DWG Plotted on 5-May-2023 4:08 PM

SEE SHEET 85 FOR MARKING & SIGNING NOTES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	102	358
PROJECT FILE NO.	608717		

PAVEMENT MARKING & SIGNING PLANS



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Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 CTB File: MADOT-D.STB
MS VIEW:- LAYER STATE:-

20121457A70_PVT01.DWG Plotted on 5-May-2023 4:09 PM

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.
2. ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
3. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
4. TEMPORARY CONSTRUCTION SIGNING, BARRICADES, AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
5. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH). THE CONTRACTOR SHALL COMPLY WITH THE SUNSET DATES FOR WORK ZONE DEVICES COMPLIANT WITH NCHRP REPORT 350 ACCORDING TO MASSDOT DIRECTIVE E-20-004 AND PROVIDE MASH COMPLIANT DEVICES IN ACCORDANCE WITH THE DIRECTIVE.
6. CONTRACTORS SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT, AND SIMILAR OPERATIONS.
7. THE FIRST TEN PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIAL FLASHING LIGHTS.
8. THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.
9. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
10. MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
11. MINIMUM LANE WIDTH IS TO BE 11 FEET (3.3m) UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
12. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.

LEGEND:

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- P/F POLICE/FLAGGER DETAIL
- TYPE III BARRICADE
- CHANGEABLE MESSAGE SIGN
- ARROW BOARD
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR
- MEDIAN BARRIER
- MEDIAN BARRIER WITH WARNING LIGHTS
- WORK VEHICLE
- TRUCK MOUNTED ATTENUATOR
- TRAFFIC OR PEDESTRIAN SIGNAL
- SIGN

THE IDEAL CAPACITY OF A MAJOR HIGHWAY IS GENERALLY CONSIDERED TO BE 1900 PASSENGER CARS PER HOUR PER LANE (PCPHPL). IN WORK ZONES ON A MULTI-LANE DIVIDED HIGHWAY, THE FOLLOWING VOLUME GUIDELINES HAVE BEEN SUGGESTED:

MEASURED AVERAGE WORK ZONE CAPACITIES

NUMBER OF LANES		NUMBER OF STUDIES	AVERAGE CAPACITY	
NORMAL (EXISTING)	OPEN (TO TRAFFIC)		VPH	VPHPL
2	1	7	1,170	1,170
2	1	8	1,340	1,340
5	2	8	2,740	1,370
4	2	4	2,960	1,480
3	2	9	2,980	1,490
4	3	4	4,560	1,520

Source: Dudek, C., Notes on Work Zone Capacity and Level of Service. Texas Transportation Institute, Texas A&M University, College Station, Texas (1984)

BY OBTAINING HOURLY TRAFFIC COUNTS FOR A PARTICULAR ROADWAY (WITH A MINIMUM OF A 48-HOUR AUTOMATIC TRAFFIC RECORDER (ATR) COUNT), THIS WILL HELP TO DETERMINE AT WHAT TIMES OF THE DAY OR NIGHT A CERTAIN NUMBER OF LANES MAY BE CLOSED.

massDOT Highway Division | Notes for Traffic Management | FIGURE GEN-1 GENERAL GUIDELINES

SUGGESTED WORK ZONE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS **		
	A	B	C
LOCAL OR LOW VOLUME ROADWAYS*	350	350	350
MOST OTHER ROADWAYS*	500	500	500
FREEWAYS AND EXPRESSWAYS*	1,000	1,500	2,640

* ROAD TYPE TO BE DETERMINED BY MASSDOT OFFICE OF TRANSPORTATION PLANNING.

** DISTANCES ARE SHOWN IN FEET. THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN THE DETAIL/ TYPICAL SETUP FIGURES. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE "THIRD" SIGN IS THE FIRST ONE TYPICALLY ENCOUNTERED BY A DRIVER APPROACHING A TEMPORARY TRAFFIC CONTROL (TTC) ZONE.)

THE "THIRD" SIGN ABOVE IS TYPICALLY REFERRED TO AS AN "ADVANCE WARNING" SIGN ON THE TTCP SETUPS. THESE ADVANCE WARNING SIGNS ARE LOCATED PRIOR TO THE PROJECT LIMITS ON ALL APPROACHES (i.e. THE W20-1 SERIES (ROAD WORK XX FT) SIGNS), AND USUALLY REMAIN FOR THE DURATION OF THE PROJECT. ADDITIONAL SIGNS (i.e. "RIGHT LANE CLOSED 1 MILE" AND "LEFT LANE CLOSED 1 MILE") HAVE BEEN SHOWN IN SOME FIGURES AS EXAMPLES OF REINFORCEMENT SIGN PLACEMENT BUT ARE USED IN RARE OCCASIONS.

THE FIRST AND SECOND WARNING SIGNS ABOVE ARE REFERRED TO AS THE OPERATIONAL (DAY-TO-DAY) WORK ZONE SIGNS AND MAY BE MOVED DEPENDING ON WHERE THE SPECIFIC ROADWAY WORK FOR THAT DAY IS LOCATED.

MA-R2-10a SIGNS SHALL BE PLACED BETWEEN THE SECOND AND THIRD SIGNS AS DESCRIBED ABOVE.

MA-R2-10a, MA-R2-10e, AND W20-1 SERIES SIGNS ARE TO BE INCLUDED ON ALL DETAILS/TYPICAL SETUPS.

Based on: Table 6C-1 MUTCD LATEST EDITION

STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED

SPEED* (mph)	DISTANCE (ft)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
75	820

*POSTED SPEED, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED

THESE VALUES MAY BE USED TO DETERMINE THE LENGTH OF LONGITUDINAL BUFFER SPACES.

THE DISTANCES IN THE ABOVE CHART REPRESENT THE MINIMAL VALUES FOR BUFFER SPACING.

Source: Table 6C-2 MUTCD LATEST EDITION

massDOT Highway Division | Notes for Traffic Management | FIGURE GEN-2 NOTES ON WORK ZONE DISTANCES

CONVENTIONAL ROADWAY– A STREET OR HIGHWAY OTHER THAN A LOW-VOLUME ROAD, EXPRESSWAY, OR FREEWAY.

EXPRESSWAY– A DIVIDED HIGHWAY WITH PARTIAL CONTROL OF ACCESS.

FREEWAY– A DIVIDED HIGHWAY WITH FULL CONTROL OF ACCESS.

LOW-VOLUME ROAD– A FACILITY LYING OUTSIDE OF BUILT-UP AREAS OF CITIES, TOWNS, AND COMMUNITIES, AND IT SHALL HAVE A TRAFFIC VOLUME OF LESS THAN 400 AADT. IT SHALL NOT BE A FREEWAY, EXPRESSWAY, INTERCHANGE RAMP, FREEWAY SERVICE ROAD OR A ROAD ON A DESIGNATED STATE HIGHWAY SYSTEM.

Source: MUTCD LATEST EDITION

TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES

TYPE OF TAPER	TAPER LENGTH (L)*
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5L
SHOULDER TAPER	AT LEAST 0.33L
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FT MIN. 100 FT MAX.
DOWNSTREAM TAPER	50 FT MIN. 100 FT MAX. PER LANE

Source: Table 6C-3 MUTCD LATEST EDITION

FORMULAS FOR DETERMINING TAPER LENGTHS

SPEED LIMIT (S)	TAPER LENGTH (L) FEET
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	$L = WS$

WHERE: L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICAPATED OPERATING SPEED IN MPH

Source: Table 6C-4 MUTCD LATEST EDITION

massDOT Highway Division | Notes for Traffic Management | FIGURE GEN-3 NOTES ON WORK ZONE DISTANCES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	113	358
	PROJECT FILE NO. 608717		

TEMPORARY TRAFFIC CONTROL PLANS

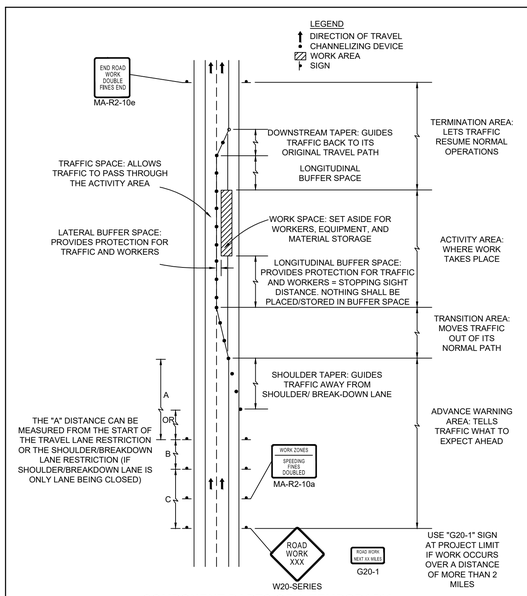
GENERAL NOTES:

1. IF ANY STAGE REQUIRES MODIFICATION OF THE TRAFFIC SIGNAL OPERATION, THE CONTRACTOR SHALL SUBMIT A REVISED SIGNAL TIMING AND PHASING PLAN TO THE CITY OF SPRINGFIELD FOR APPROVAL BEFORE MODIFYING THE TRAFFIC SIGNAL.
2. CONTRACTOR SHALL CONSTRUCT SIDEWALK IN SMALLER SECTIONS THAN SHOWN ON STAGING PLANS OR PEDESTRAIN MANAGEMENT PLANS IN ORDER TO MAINTAIN ACCESS TO BUILDINGS. THE CONTRACTOR SHALL COORDINATE WITH BUSINESS OWNERS ON ALL WORK IN FRONT OF THEIR BUILDINGS.
3. ALL TRAFFIC MANAGEMENT CONFIGURATIONS SHALL CONFORM TO THE STANDARD MassDOT DETAILS ON THE FOLLOWING SHEETS AND APPLY TO ALL LOCATIONS INCLUDED IN THE CONTRACT.
4. THE CONTRACTOR SHALL BE PERMITTED TO PERFORM TEMPORARY ROADWAY OR LANE CLOSURES FROM 8:00 A.M. TO 3:00 P.M. CHANGES TO THESE TIMES REQUIRE APPROVAL FROM THE CITY OF SPRINGFIELD
5. ALL TRENCHES IN THE ROADWAY SHALL EITHER BE BACKFILLED AND PATCHED WITH HOT MIX ASPHALT, COVERED WITH BEVELED EDGES STEEL PLATES, OR HOT MIX ASPHALT AROUND STEEL PLATES BEFORE REOPENING THE ROADWAY TO TRAFFIC. UNBEVELED STEEL PLATE MAY BE USED IF HMA WEDGES ARE PLACED IN ACCORDANCE WITH THE LONGITUDINAL DROP OFF DETAIL.
6. COVER ALL EXISTING SIGNAGE THAT CONFLICTS WITH THE TRAFFIC MANAGEMENT SETUP IN PLACE.
7. PORTABLE CHANGEABLE MESSAGE BOARDS (PCMB) SHALL BE USED ON THE PROJECT SITE; THESE SIGNS SHALL ADVISE MOTORISTS TO EXPECT DELAYS, AND ADVISE TRAILER TRUCKS OF RESTRICTED LANE WIDTHS (AND POSSIBLE DETOUR ROUTES) ON SPECIFIC APPROACHES DURING CERTAIN STAGES OF CONSTRUCTION.
8. THE CONTRACTOR SHALL PLACE TWO PORTABLE CHANGEABLE MESSAGE BOARDS (PCMB) ON THE PROJECT SITE, FOR SEVEN DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
9. ALL ADVANCED SIGNAGE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.

SUMNER AVENUE	
ROADWAY TYPE	URBAN PRINCIPAL ARTERIAL
ADT	21,344
DISTANCE "A*"	500'
DISTANCE "B*"	500'
DISTANCE "C"	500'
ANTICIPATED SPEED	30 MPH
DICKINSON STREET	
ROADWAY TYPE	URBAN PRINCIPAL ARTERIAL
ADT	7,887
DISTANCE "A*"	500'
DISTANCE "B*"	500'
DISTANCE "C"	500'
ANTICIPATED SPEED	30 MPH
BELMONT AVENUE	
ROADWAY TYPE	URBAN PRINCIPAL ARTERIAL
ADT	8,525
DISTANCE "A*"	500'
DISTANCE "B*"	500'
DISTANCE "C"	500'
ANTICIPATED SPEED	30 MPH

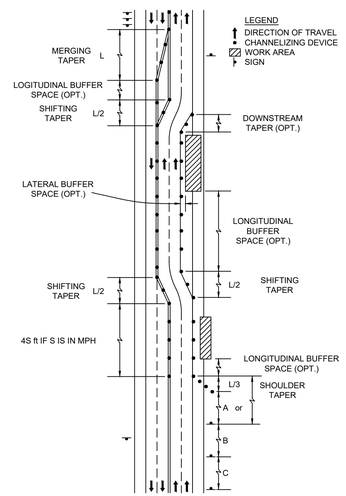
THE DIMENSIONS FOR A* & B* MAY REQUIRE FIELD ADJUSTMENTS DUE TO THE URBAN NATURE OF THE PROJECT AREA.

10. IF FLAGGERS ARE USED FOR TRAFFIC CONTROL, THE FLAGGER SIGN (W20-7a) SHALL BE SUBSTITUTED FOR THE POLICE OFFICER AHEAD (W20-7b) SIGN.
11. FOR EXISTING OR TEMPORARY CROSSWALKS IN A PEDESTRIAN BYPASS AREA (E.G. FIGURE PED-3 STANDARD DETAILS) THERE SHALL BE A PEDESTRIAN WARNING SIGN WITH PLACARD (W11-2 AND W16-7P) ON EACH APPROACH (TRAVEL DIRECTION) AT THE CROSSWALK.



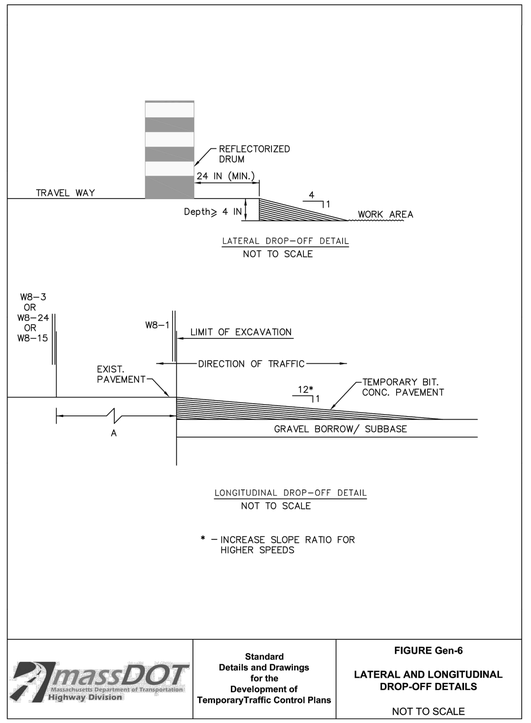
COMPONENT PARTS OF A TEMPORARY TRAFFIC CONTROL (TTC) ZONE

massDOT Highway Division | Standard Details and Drawings for the Development of Temporary Traffic Control Plans | FIGURE GEN-4 COMPONENT PARTS OF A TEMPORARY TRAFFIC CONTROL (TTC) ZONE NOT TO SCALE



TYPES OF TAPERS AND BUFFER SPACES

massDOT Highway Division | Standard Details and Drawings for the Development of Temporary Traffic Control Plans | FIGURE GEN-5 TYPES OF TAPERS AND BUFFER SPACES NOT TO SCALE



massDOT Highway Division | **Standard Details and Drawings for the Development of TemporaryTraffic Control Plans** | **FIGURE Gen-6 LATERAL AND LONGITUDINAL DROP-OFF DETAILS** NOT TO SCALE

20121457A7D_TMP01.DWG Plotted on 5-May-2023 4:26 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	120	358
	PROJECT FILE NO. 608717		

TEMPORARY TRAFFIC CONTROL PLANS

N

NAD 83

20121457A70_TMP02.DWG Plotted on 5-May-2023 4:29 PM

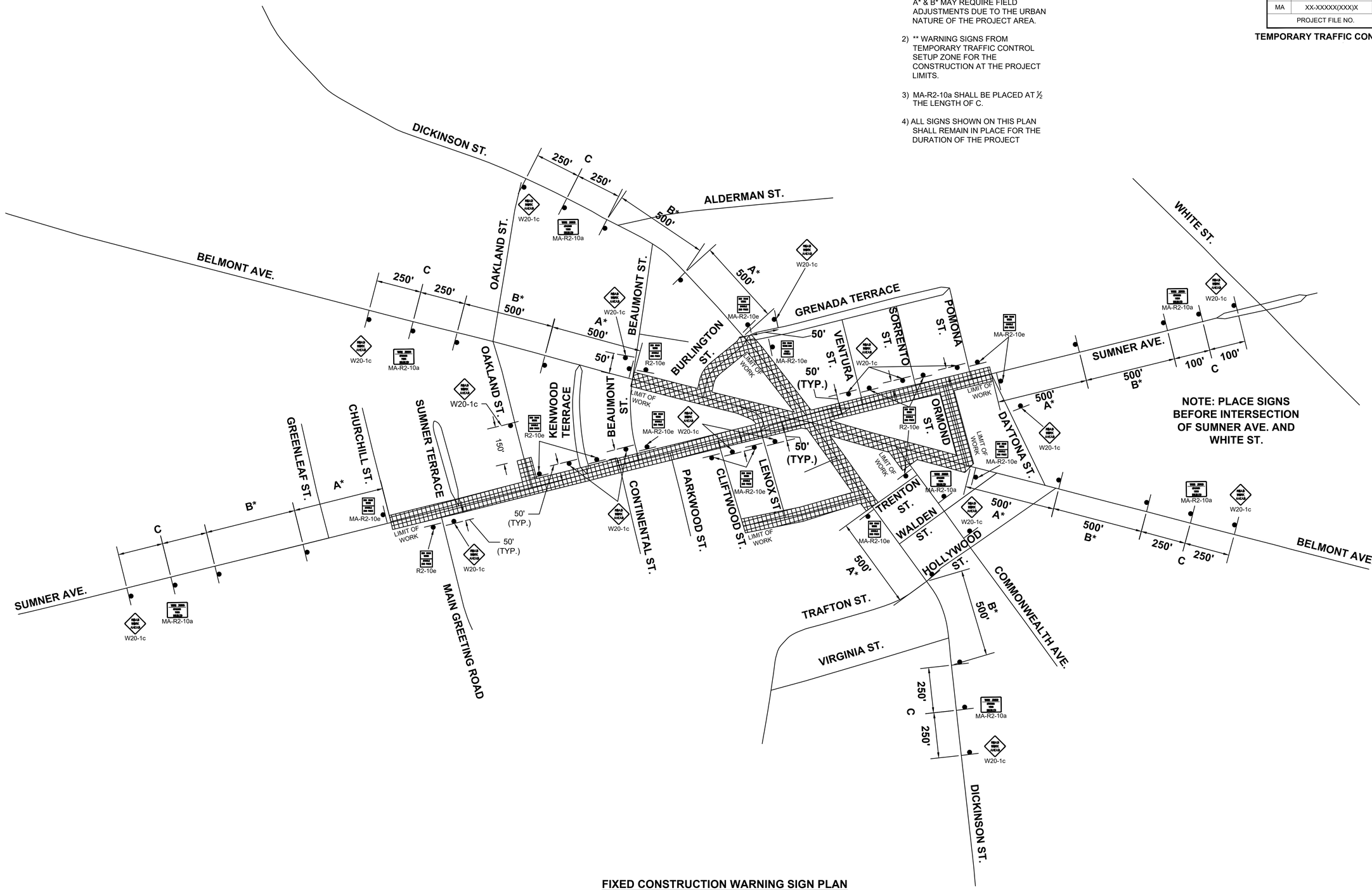
CONSTRUCTION SIGN NOTES:

1) * FOR DISTANCES SEE TABLE ON SHEET 113. THE DIMENSIONS FOR A* & B* MAY REQUIRE FIELD ADJUSTMENTS DUE TO THE URBAN NATURE OF THE PROJECT AREA.

2) ** WARNING SIGNS FROM TEMPORARY TRAFFIC CONTROL SETUP ZONE FOR THE CONSTRUCTION AT THE PROJECT LIMITS.

3) MA-R2-10a SHALL BE PLACED AT ½ THE LENGTH OF C.

4) ALL SIGNS SHOWN ON THIS PLAN SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT



NOTE: PLACE SIGNS BEFORE INTERSECTION OF SUMNER AVE. AND WHITE ST.

FIXED CONSTRUCTION WARNING SIGN PLAN

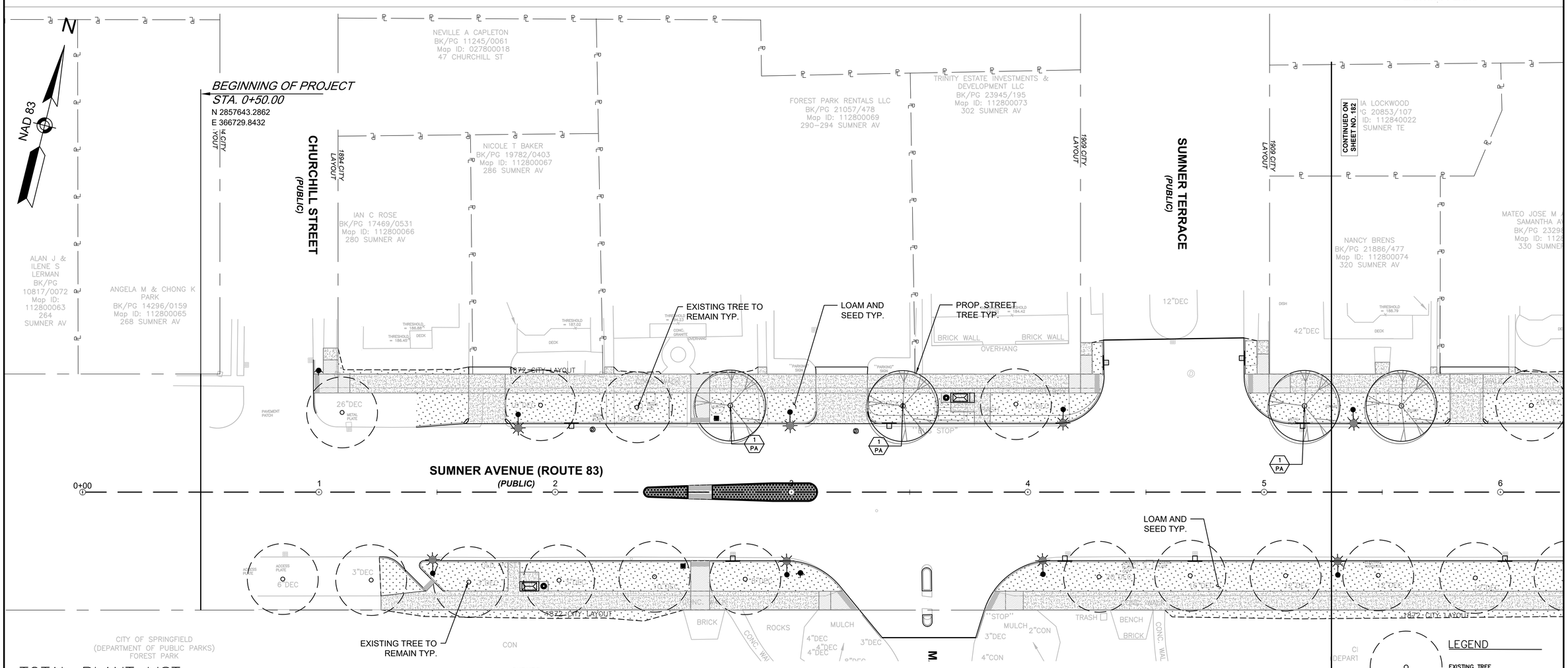
SCALE: 1" = 250'

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	181	358
	PROJECT FILE NO. 608717		

PLANTING PLANS

Plotted on 5-May-2023 3:33 PM
20121457A70_LSP01.DWG



TOTAL PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AC	ABIES CONCOLOR	WHITE FIR	100	1	10' HT.
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	100	6	2.5"–3" CAL.
AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	20	20	2"–2.5" CAL. (SINGLE STEM)
CC	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	35	4	2"–2.5" CAL.
GB	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	50	15	2.5"–3" CAL.
GT	GLEDITSIA TRICANTHOS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	80	1	2.5"–3" CAL.
LT	LIRIODENDRON TULIPFERA	TULIPTREE	80	7	2.5"–3" CAL.
NS	NYSSA SYLVATICA	BLACK TUPELO TREE	60	8	2.5"–3" CAL.
PA	PLANTANUS X ACERIFOLIA	LONDON PLANETREE	80	6	2.5"–3" CAL.
PS	PRUNUS SARGENTII 'COLUMNARIS'	COLUMNAR FLOWERING CHERRY	35	20	2"–2.5" CAL.
TC	TILIA CORDATA	LITTLE LEAF LINDEN	80	8	2.5"–3" CAL.
UH	ULMUS X HOMESTEAD	HOMESTEAD ELM	50	8	2.5"–3" CAL.
UAP	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	60	7	2.5"–3" CAL.
UD	ULMUS DAVIDIANA VAR. JAPONICA 'PROSPECTOR'	PROSPECTOR ELM	40	2	2.5"–3" CAL.
ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	60	5	2.5"–3" CAL.
	SHRUBS				
BM	BUXUS MICROPHYLLA VAR. JAPONICA 'GREEN GEM'	GREEN GEM BOXWOOD	3	6	3 GAL.
CS	CORNUS SERICEA 'FARROW ARCTIC FIRE'	ARCTIC FIRE RED TWIG DOGWOOD	8	2	3 GAL.
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	3	98	3 GAL.
RO	ROSA 'OSO EASY' MANGO SALSA	MANGO SALSA LANDSCAPE ROSE	2	37	2 GAL.
TM	TAXUS X MEDIA DENSIFORMIS	DENSE SPREADING YEW	15	5	3 GAL.
	ORNAMENTAL GRASSES/PERENNIALS				
CA	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	4	111	1 GAL.
CT	CAREX STRICTA	TUSSOCK SEDGE	2	96	1 GAL.
EP	ECHINACEA PURPUREA 'POW WOW WILD BERRY'	POW WOW WILD BERRY ECHINACEA	2	36	1 GAL.
HH	HEMEROCALLIS 'BELA LUGOSI'	BELA LUGOSI DAYLILY	2	89	1 GAL.
HH2	HEMEROCALLIS 'STELLA D' ORO'	STELLA D' ORO DAYLILY	2	85	1 GAL.
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2	399	1 GAL.
RF	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK-EYED SUSAN	2	38	1 GAL.
SS	SALVIA X SYLVESTRIS 'MAINACHT'	MAY NIGHT SALVIA	3	156	1 GAL.
SA	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	2	113	1 GAL.

0 20 50 100

SCALE: 1" = 20'

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
PA	PLANTANUS X ACERIFOLIA	LONDON PLANETREE	80	3	2.5"–3" CAL.

LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	182	358
	PROJECT FILE NO. 608717		

PLANTING PLANS

Plotted on 5-May-2023 3:33 PM
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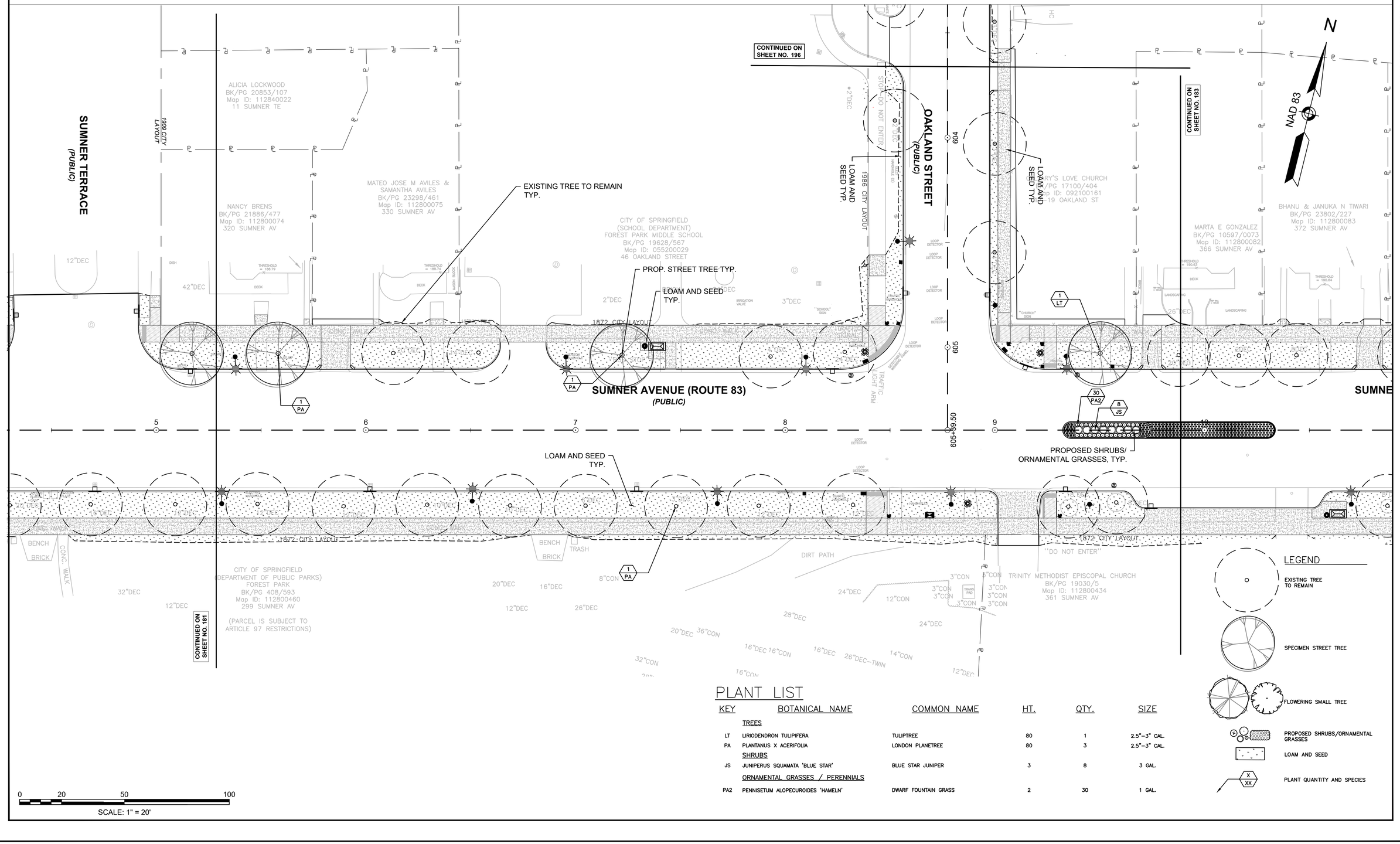


PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
LT	LIRIODENDRON TULIPIFERA	TULIPTREE	80	1	2.5"–3" CAL.
PA	PLANTANUS X ACERIFOLIA	LONDON PLANETREE	80	3	2.5"–3" CAL.
	SHRUBS				
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	3	8	3 GAL.
	ORNAMENTAL GRASSES / PERENNIALS				
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2	30	1 GAL.

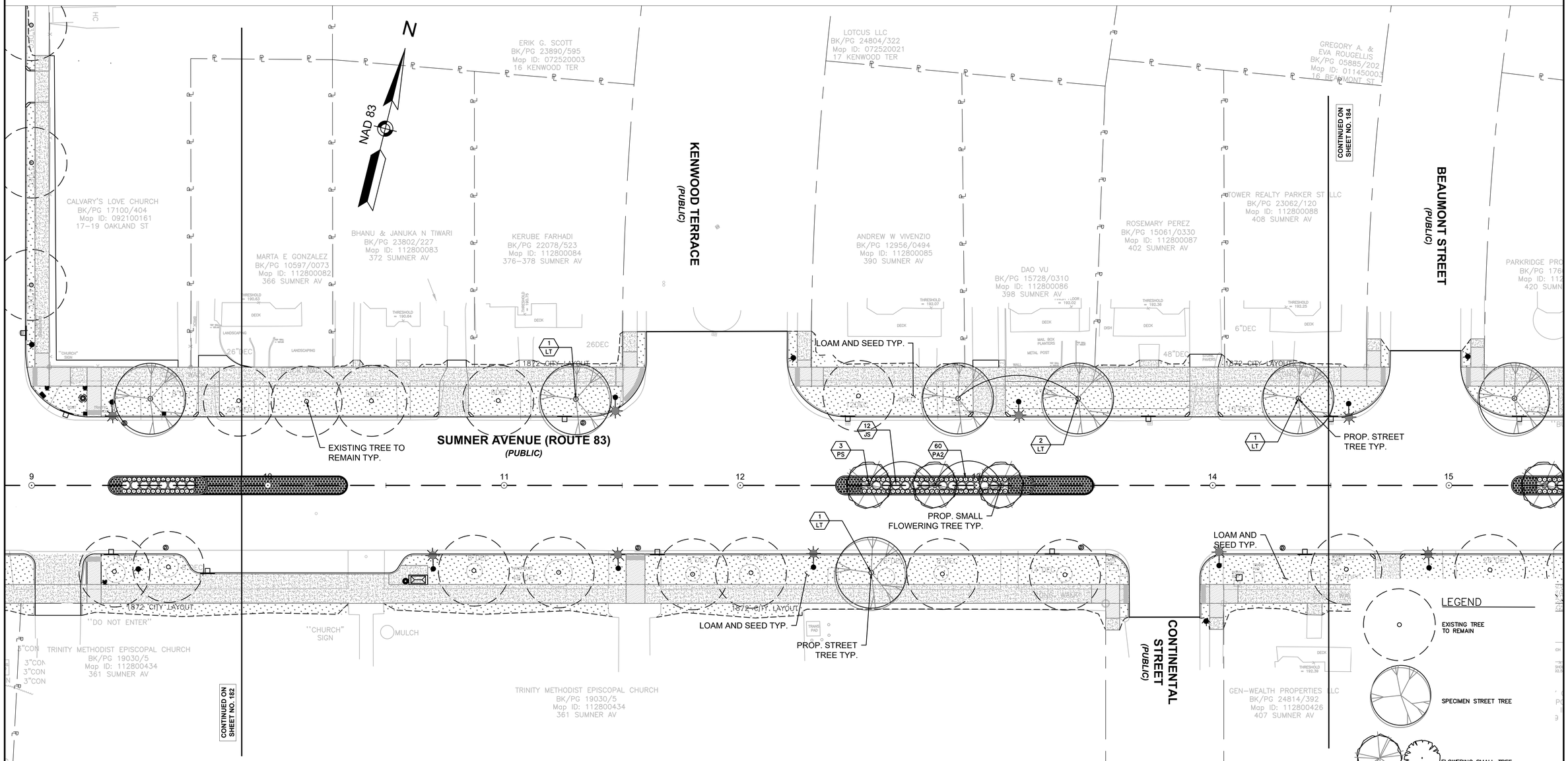
LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	183	358
PROJECT FILE NO.	608717		

PLANTING PLANS



PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT	QTY.	SIZE
	TREES				
LT	LIRIODENDRON TULIPIFERA	TULIPTREE	80	5	2.5"-3" CAL.
PS	PRUNUS SARGENTII 'COLUMNARIS'	COLUMNAR FLOWERING CHERRY	30	3	2"-2.5" CAL.
	SHRUBS				
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	3	12	3 GAL.
	ORNAMENTAL GRASSES / PERENNIALS				
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2	60	1 GAL.

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SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	184	358
	PROJECT FILE NO. 608717		

PLANTING PLANS

Plotted on 5-May-2023 3:34 PM
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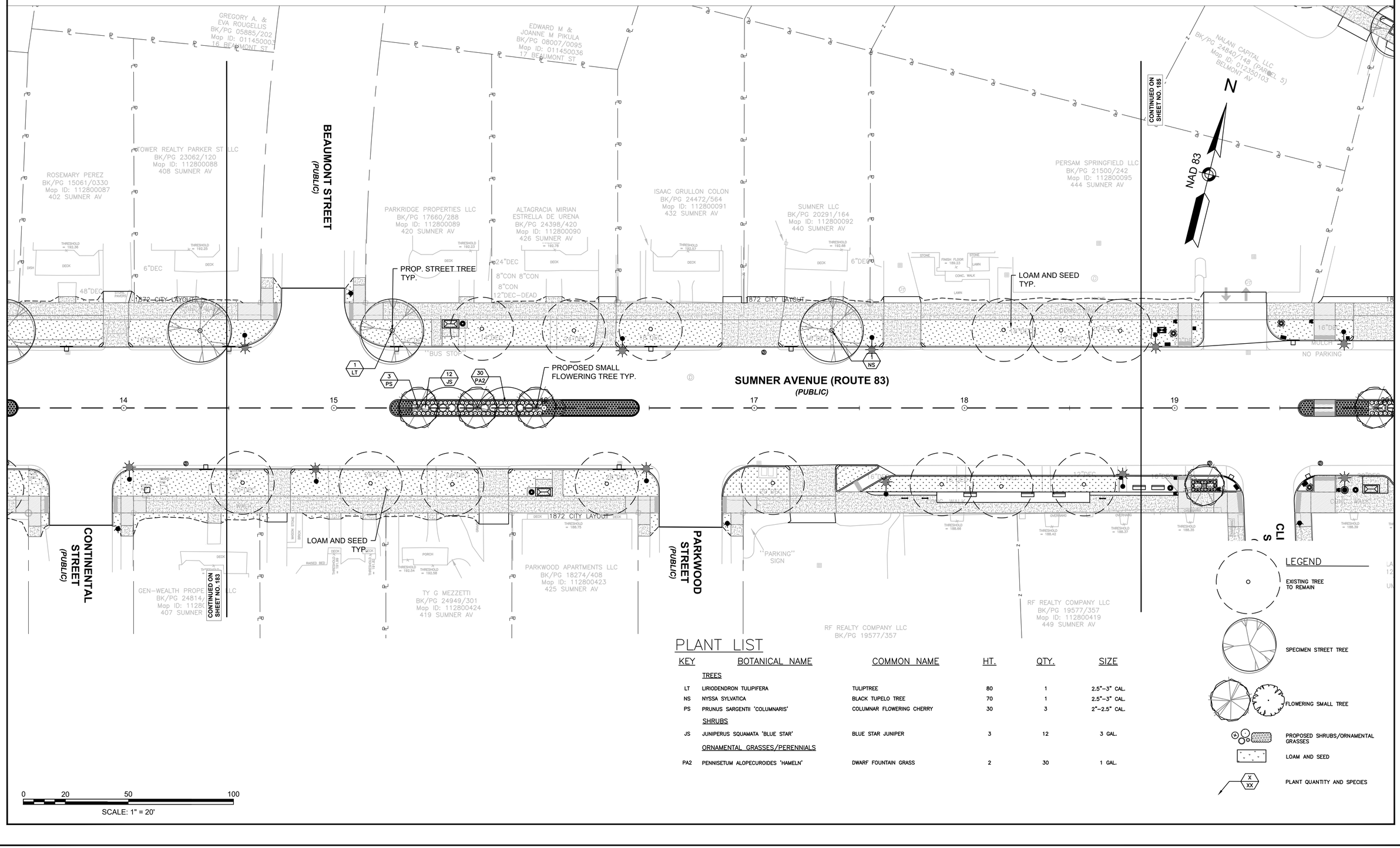

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
LT	LIRIODENDRON TULIPIFERA	TULIPTREE	80	1	2.5"–3" CAL.
NS	NYSSA SYLVATICA	BLACK TUPELO TREE	70	1	2.5"–3" CAL.
PS	PRUNUS SARGENTII 'COLUMNARIS'	COLUMNAR FLOWERING CHERRY	30	3	2"–2.5" CAL.
	SHRUBS				
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	3	12	3 GAL.
	ORNAMENTAL GRASSES/PERENNIALS				
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2	30	1 GAL.

LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES (X / XX)

0 20 50 100
SCALE: 1" = 20'

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	185	358
PROJECT FILE NO.	608717		

PLANTING PLANS

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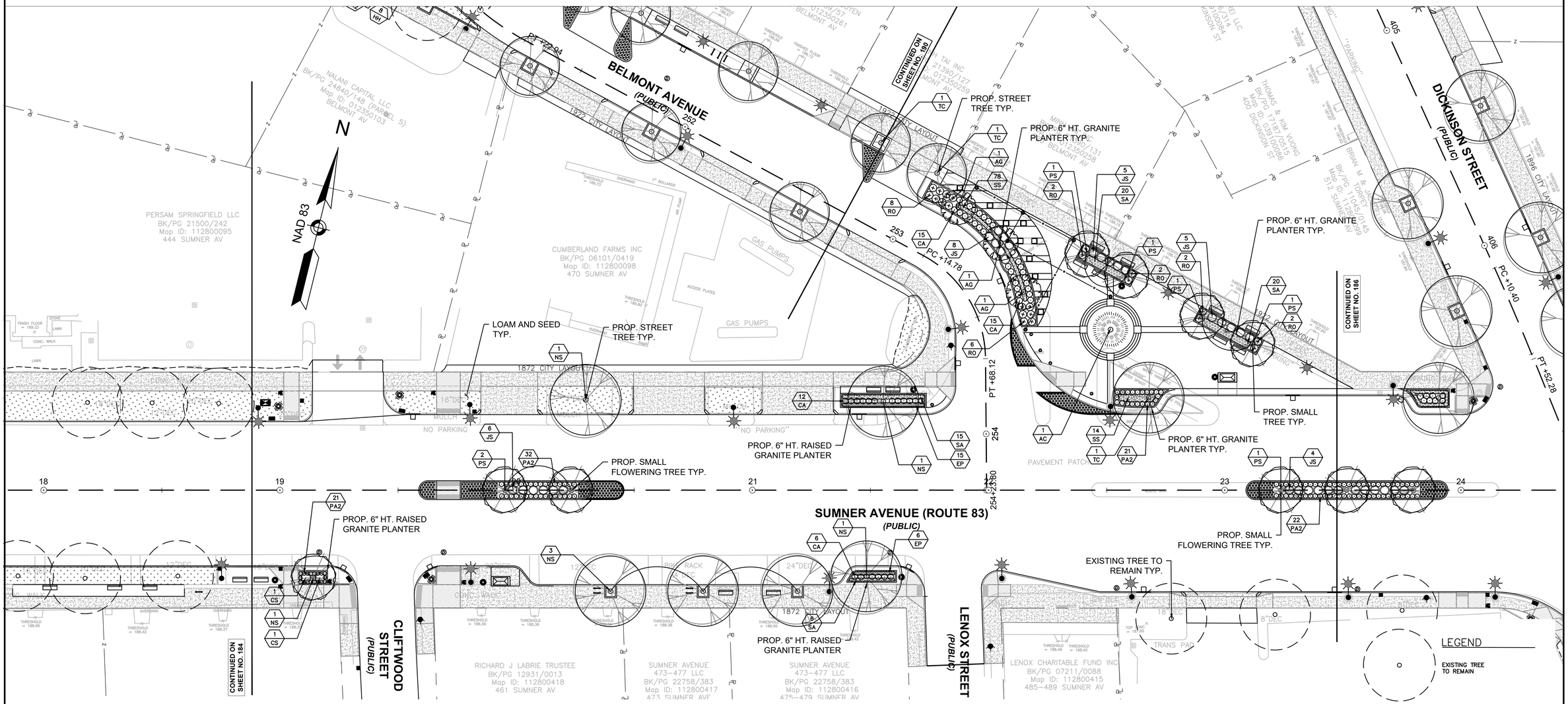

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AC	ABIES CONCOLOR	WHITE FIR	100	1	10' HT.
AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	20	3	2"-2.5" CAL. (SINGLE STEM)
NS	NYSSA SYLVATICA	BLACK TUPELO TREE	60	7	2.5"-3" CAL.
PS	PRUNUS SARGENTII 'COLUMNARIS'	COLUMNAR FLOWERING CHERRY	20	7	2"-2.5" CAL.
TC	TILIA CORDATA	LITTLE LEAF LINDEN	80	3	2.5"-3" CAL.
	SHRUBS				
CS	CORNUS SERICEA 'FARROW-ARCTIC FIRE'	ARCTIC FIRE RED TWIG DOGWOOD	8	2	3 GAL.
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	3	28	3 GAL.
RO	ROSA 'OSO EASY' MANGO SALSA	MANGO SALSA LANDSCAPE ROSE	3	22	2 GAL.
	ORNAMENTAL GRASSES/PERENNIALS				
CA	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	4	48	1 GAL.
EP	ECHINACEA PURPUREA 'POW WOW WILD BERRY'	POW WOW WILD BERRY ECHINACEA	3	21	1 GAL.
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	3	96	1 GAL.
SA	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	2	61	1 GAL.
SS	SALVIA X SYLVESTRIS 'MAINACHT'	MAY NIGHT SALVIA	2	92	1 GAL.

0 20 50 100
SCALE: 1" = 20'

LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- X / XX — PLANT QUANTITY AND SPECIES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	186	358
PROJECT FILE NO.	608717		

PLANTING PLANS

Plotted on 5-May-2023 3:34 PM
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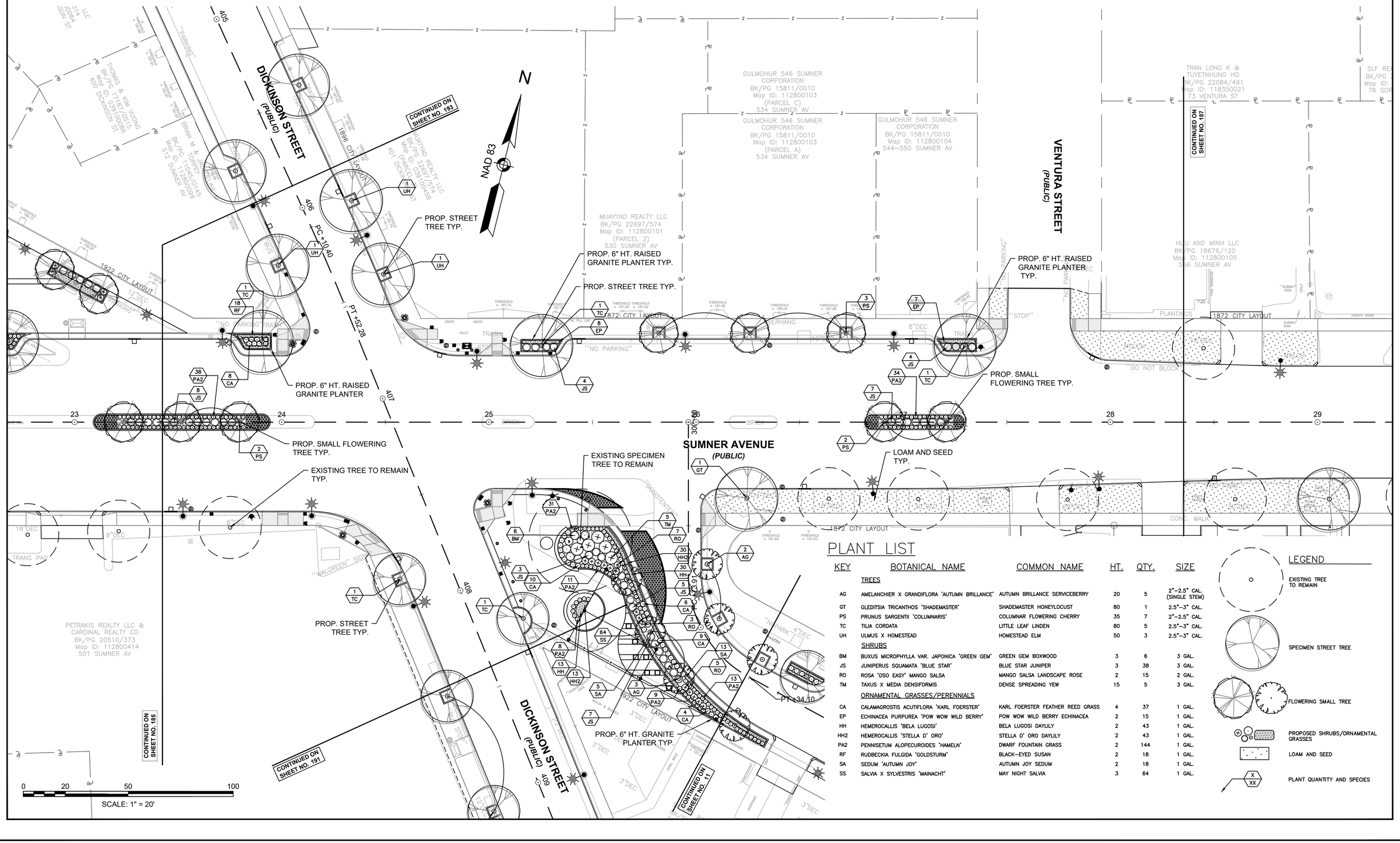

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLANCE'	AUTUMN BRILLANCE SERVICEBERRY	20	5	2"–2.5" CAL. (SINGLE STEM)
GT	GLEDITSIA TRICANTHOS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	80	1	2.5"–3" CAL.
PS	PRUNUS SARGENTII 'COLUMNARIS'	COLUMNAR FLOWERING CHERRY	35	7	2"–2.5" CAL.
TC	TILIA CORDATA	LITTLE LEAF LINDEN	80	5	2.5"–3" CAL.
UH	ULMUS X HOMESTEAD	HOMESTEAD ELM	50	3	2.5"–3" CAL.
	SHRUBS				
BM	BUXUS MICROPHYLLA VAR. JAPONICA 'GREEN GEM'	GREEN GEM BOXWOOD	3	6	3 GAL.
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	3	38	3 GAL.
RO	ROSA 'OSO EASY' MANGO SALSA	MANGO SALSA LANDSCAPE ROSE	2	15	2 GAL.
TM	TAXUS X MEDIA DENSIFORMIS	DENSE SPREADING YEW	15	5	3 GAL.
	ORNAMENTAL GRASSES/PERENNIALS				
CA	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	4	37	1 GAL.
EP	ECHINACEA PURPUREA 'POW WOW WILD BERRY'	POW WOW WILD BERRY ECHINACEA	2	15	1 GAL.
HH	HEMEROCALLIS 'BELA LUGOSI'	BELA LUGOSI DAYLILY	2	43	1 GAL.
HH2	HEMEROCALLIS 'STELLA D' ORO'	STELLA D' ORO DAYLILY	2	43	1 GAL.
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2	144	1 GAL.
RF	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK–EYED SUSAN	2	18	1 GAL.
SA	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	2	18	1 GAL.
SS	SALVIA X SYLVESTRIS 'MAINACHT'	MAY NIGHT SALVIA	3	64	1 GAL.

LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES (X / XX)

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	187	358
PROJECT FILE NO.	608717		

PLANTING PLANS

Plotted on 5-May-2023 3:35 PM

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N

NAD 83

TRAN LONG K & TUYETNHUNG HO
BK/PG 22084/491
Map ID: 118350021
73 VENTURA ST

SLF REALTY CORP
BK/PG 22981/560
Map ID: 109650013
76 SORRENTO ST

SONAL PATEL LLC
BK/PG 20954/93
Map ID: 112800108
570 SUMNER AV

HUU AND MINH LLC
BK/PG 18676/120
Map ID: 112800105
556 SUMNER AV

TGN ASSOCIATES LLC
BK/PG 22503/22
Map ID: 112800111
590 SUMNER AV

K S KANTOR LLC
BK/PG 13892/0227
Map ID: 112800112
(PARCEL 1)
598–600 SUMNER AV

K S KANTOR LLC
BK/PG 13892/0227
Map ID: 112800113
(PARCEL 2)
606 SUMNER AV

VENTURA STREET
(PUBLIC)

SORRENTO STREET
(PUBLIC)

SUMNER AVENUE
(PUBLIC)

ORMOND STREET
(PUBLIC)

CONTINUED ON SHEET NO. 188

CONTINUED ON SHEET NO. 186

EXISTING TREE TO REMAIN TYP.

LOAM AND SEED TYP.

PROP. STREET TREE TYP.

1872 CITY LAYOUT

1906 CITY LAYOUT

SPRINGFIELD INSTITUTION FOR SAVINGS
BK/PG 1984/221
Map ID: 112800405
561 SUMNER AV

MASSACHUSETTS CVS PHARMACY LLC
BK/PG 17112/99
Map ID: 112800404
SUMNER AV

ISLAND REALTY INC
BK/PG 07990/0325
Map ID: 112800399
SUMNER AV

RICHARD P CROWLEY & JOHN BONAVITA & CAROL SLATE TRUSTEES
BK/PG 17485/0163
Map ID: 012350250
(PARCEL 1)
589 BELMONT AV

SPRINGFIELD INSTITUTION FOR SAVINGS
BK/PG 2485/295
Map ID: 112800407
SUMNER AV

SPRINGFIELD INSTITUTION FOR SAVINGS
BK/PG 1984/225
Map ID: 012350247
BELMONT AV

AGREE EASTERN, LLC
BK/PG 24059/30
Map ID: 012350246
(PARCEL 2)
BELMONT AV

AGREE EASTERN, LLC
BK/PG 24099/30
Map ID:
(PA
#615

28 29 30 31 32 33

0 20 50 100
SCALE: 1" = 20'

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	100	4	2.5"–3" CAL.

LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	188	358
	PROJECT FILE NO. 608717		

PLANTING PLANS

Plotted on 5-May-2023 3:35 PM
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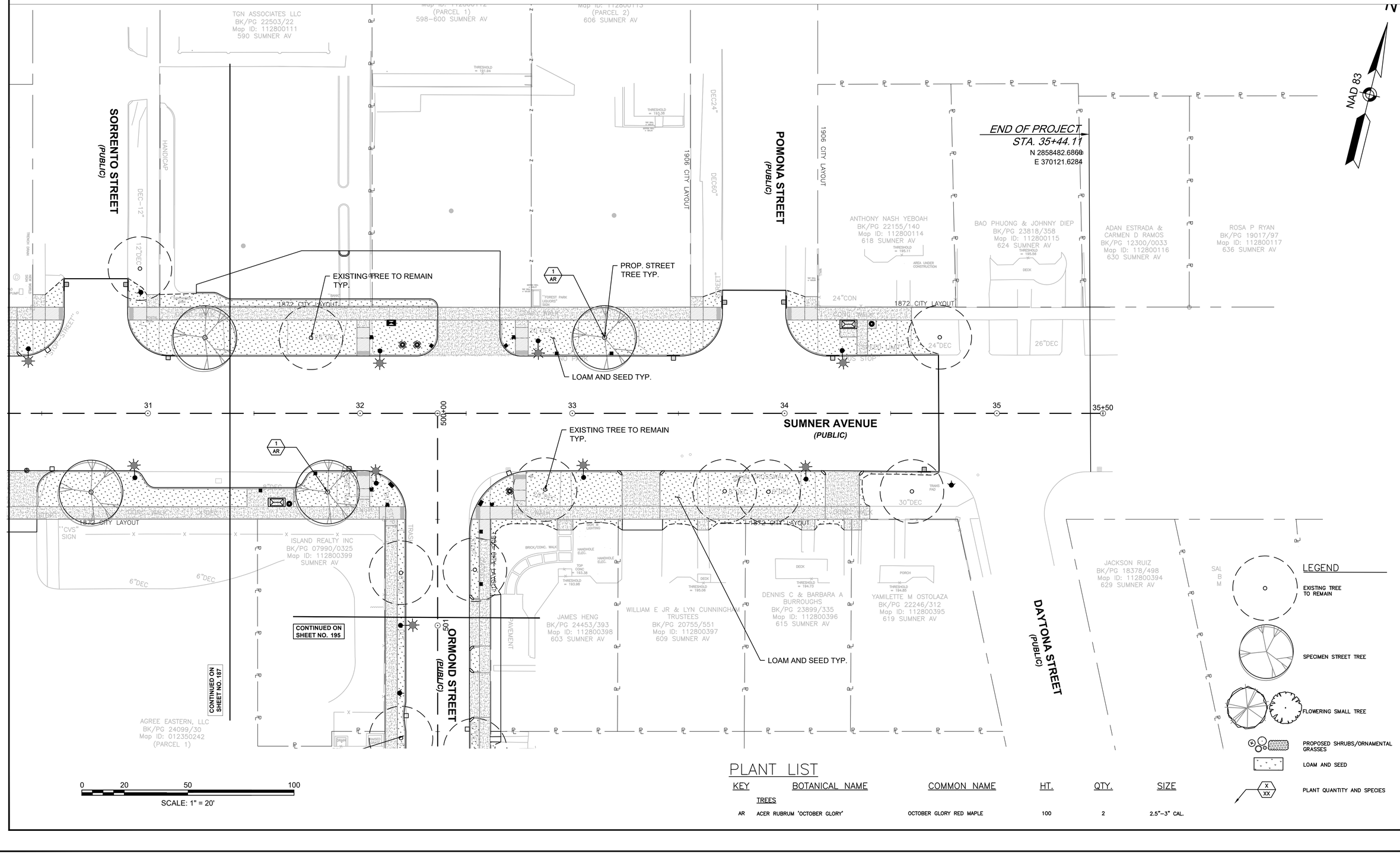


PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	100	2	2.5"-3" CAL.

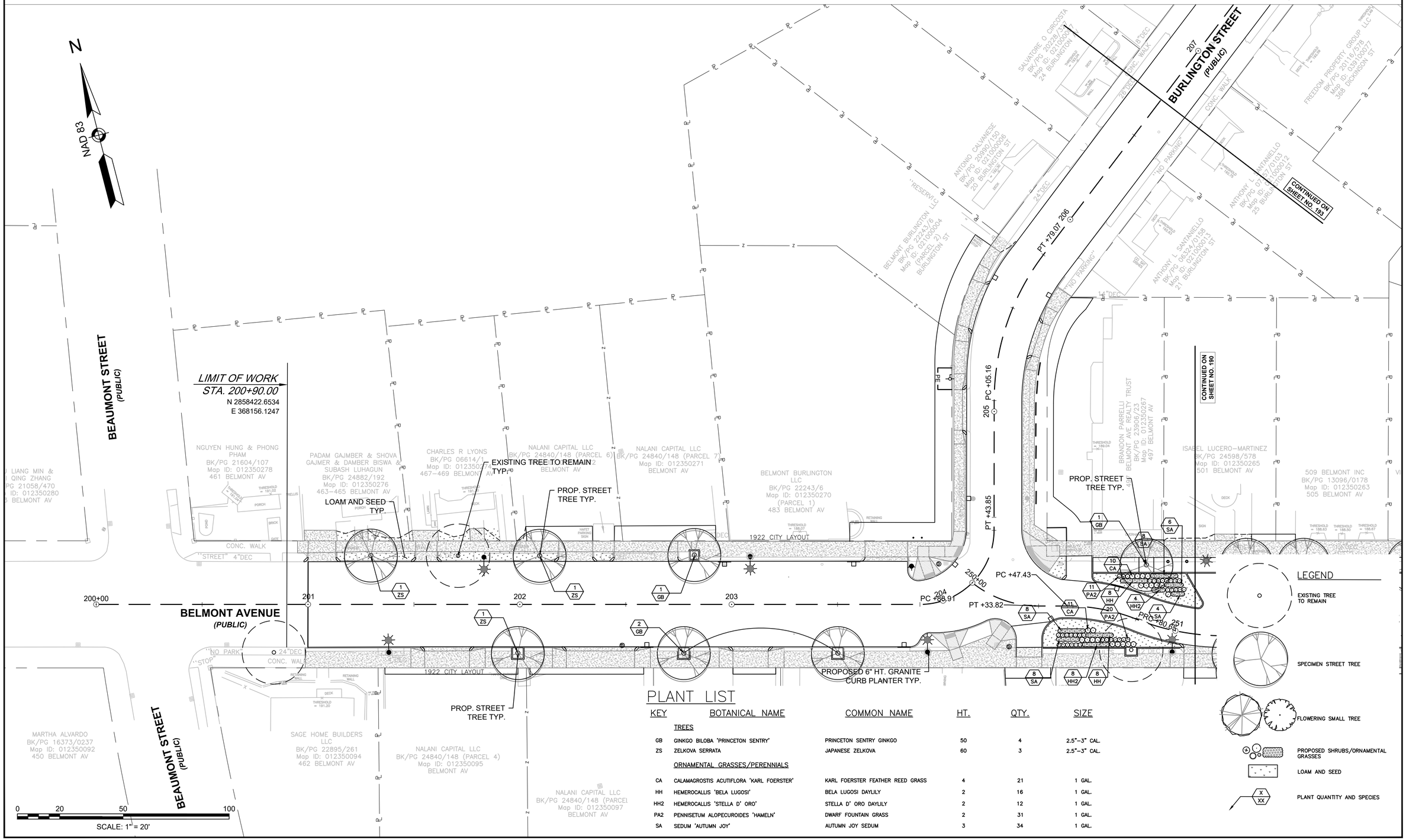
LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	189	358
PROJECT FILE NO.	608717		

PLANTING PLANS



PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
GB	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	50	4	2.5"–3" CAL.
ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	60	3	2.5"–3" CAL.
	ORNAMENTAL GRASSES/PERENNIALS				
CA	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	4	21	1 GAL.
HH	HEMEROCALLIS 'BELA LUGOSI'	BELA LUGOSI DAYLILY	2	16	1 GAL.
HH2	HEMEROCALLIS 'STELLA D' ORO'	STELLA D' ORO DAYLILY	2	12	1 GAL.
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2	31	1 GAL.
SA	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	3	34	1 GAL.

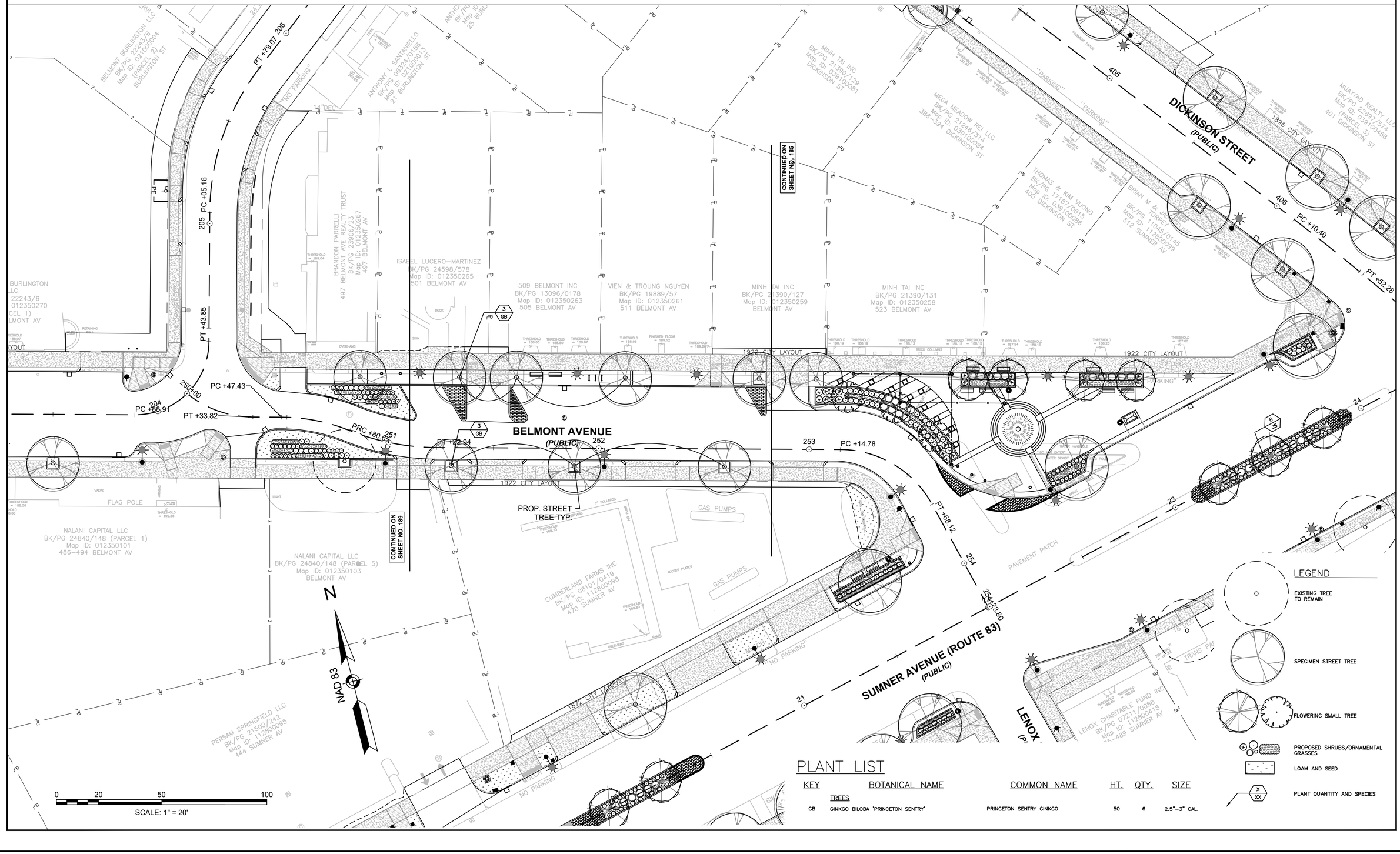
20121457A70_LSP01.DWG Plotted on 5-May-2023 3:35 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	190	358
PROJECT FILE NO.	608717		

PLANTING PLANS

20121457A70_LSP01.DWG Plotted on 5-May-2023 3:35 PM


BELMONT AVENUE
(PUBLIC)
DICKINSON STREET
(PUBLIC)
SUMNER AVENUE (ROUTE 83)
(PUBLIC)
1922 CITY LAYOUT
1896 CITY LAYOUT
1672 CITY LAYOUT
"NO PARKING"
"PARKING"
PT +79.07
PC +05.16
PT +43.85
PC +47.43
PT +33.82
PRC +80.65
PT +22.94
PC +14.78
PT +98.12
PC +10.40
PT +52.28
PC +23.80
PT +88.91
PC +58.91
PT +43.85
PC +43.85
PT +00.00
PC +00.00
PT +50.00
PC +50.00
PT +00.00
PC +00.00
PT +50.00
PC +50.00
PT +00.00
PC +00.00
PT +50.00
PC +50.00

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	191	358
PROJECT FILE NO.	608717		

PLANTING PLANS

Plotted on 5-May-2023 3:36 PM
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N
NAD 83

SUMNER AVENUE (PUBLIC)

BELMONT AVENUE (ROUTE 83) (PUBLIC)

DICKINSON STREET (PUBLIC)

CONTINUED ON SHEET NO. 186
CONTINUED ON SHEET NO. 192

PROP. SMALL TREE TYP.
PROP. 6" HT. RAISED GRANITE PLANTER
PROPOSED 6" HT GRANITE CURB PLANTER TYP.
PROPOSED STREET TREE TYP.
LOAM AND SEED TYP.
PROP. STREET TREE TYP.
PT +34.10
PC +11.35
PC +15.10

1922 CITY LAYOUT
1906 CITY LAYOUT

RICHARD P CROWLEY & JOHN BONAVITA & CAROL SLATE TRUSTEES BK/PG 17485/0163 Map ID: 012350254 (PARCEL 2) BELMONT AV

SPRINGFIELD INSTITUTION FOR SAVINGS BK/PG 1984/221 Map ID: 112800405 561 SUMNER AV

SPRINGFIELD INSTITUTION FOR SAVINGS BK/PG 2485/395 Map ID: 112800407 SUMNER AV

"BANK" SIGN

LLT 1501B-51-1

MASSACHUSETTS CVS PHARMACY LLC BK/PG 17112/99 Map ID: 112800404 SUMNER AV

AGREE EASTERN, LLC BK/PG 24099/30 Map ID: 012350242 (PARCEL 1) #615 BELMONT

AGREE EASTERN, LLC BK/PG 24099/30 Map ID: 012350245 (PARCEL 3) BELMONT AV

AGREE EASTERN, LLC BK/PG 24099/30 Map ID: 012350246 (PARCEL 2) BELMONT AV

SPRINGFIELD INSTITUTION FOR SAVINGS BK/PG 1984/225 Map ID: 012350247 BELMONT AV

RICHARD P CROWLEY & JOHN BONAVITA & CAROL SLATE TRUSTEES BK/PG 17485/0163 Map ID: 012350250 (PARCEL 1) 589 BELMONT AV

"BONOTENTER"

PAVEMENT

CVS SIGN

"ENTER" SIGN

"NO PARKING"

"EXIT ONLY"

SALMAR REALTY LLC BK/PG 20154/429 Map ID: 012350108 568 BELMONT AV (PARCEL A)

SALMAR REALTY LLC BK/PG 20154/429 Map ID: 039100453 DICKINSON ST (PARCEL B)

SALMAR REALTY LLC BK/PG 20154/429 Map ID: 039100453 DICKINSON ST (PARCEL C)

FDC LLC BK/PG 19281/479 (LOT D) Map ID: 012350107 582–586 BELMONT AV

HSU LIANG MIN & CUI QING ZHANG BK/PG 21533/72 Map ID: 012350110 600 BELMONT AV

OLD GAS PUMP AREA

CINDY TAI BK/PG 24782/76 Map ID: 030930002 6–10 COMMONWEALTH AV

BINH NGUYEN BK/PG 24192/0454 Map ID: 012350112 14–16 COMMONWEALTH AV

CHRISTOPHER DMD & PA JR DONOHUE BK/PG 05880/033

SPRINGFIELD PARKING AUTHORITY BK/PG 7925/520 Map ID: 039100094 DICKINSON ST

KARKAS BK/PG 45 (PARCEL

GREASE TRAP
GRAVEL
DECK
CONC. WALK
LAWN
MULCH & BUSHES
STONE PAVERS
OVERHANG
CROSS WALK

302 303 304 305 306 307 409 410

902.45' 21

0 20 50 100
SCALE: 1" = 20'

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	20	8	2"–2.5" CAL. (SINGLE STEM)
GB	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	50	5	2.5"–3" CAL.
	ORNAMENTAL GRASSES/PERENNIALS				
CA	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	4	5	1 GAL.
HH	HEMEROCALLIS 'BELA LUGOSI'	BELA LUGOSI DAYLILY	2	30	1 GAL.
HH2	HEMEROCALLIS 'STELLA D' ORO'	STELLA D' ORO DAYLILY	2	30	1 GAL.
RF	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK–EYED SUSAN	2	20	1 GAL.
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2	8	1 GAL.

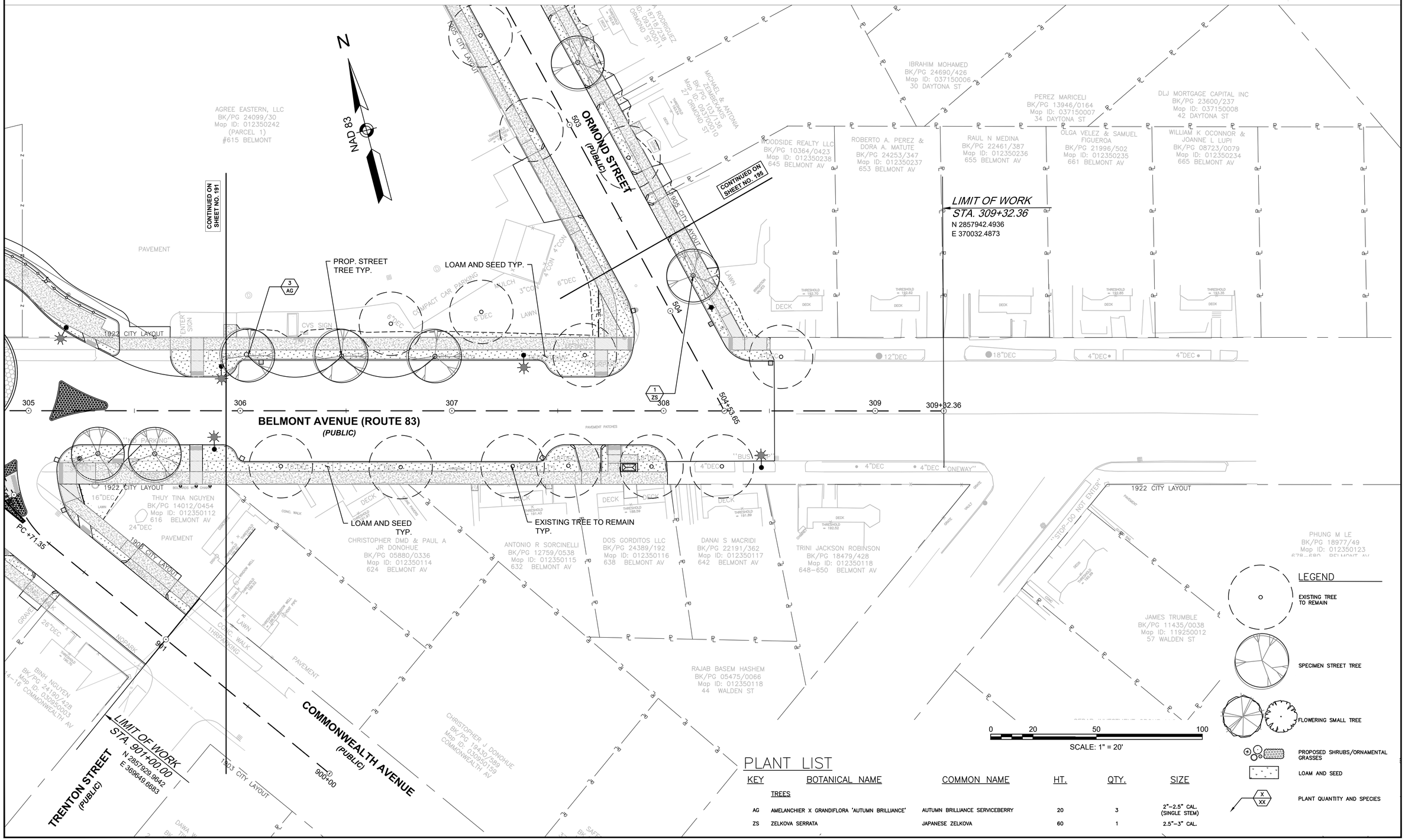
LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	192	358
PROJECT FILE NO.	608717		

PLANTING PLANS



PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	20	3	2"-2.5" CAL. (SINGLE STEM)
ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	60	1	2.5"-3" CAL.

20121457A70_LSP01.DWG Plotted on 5-May-2023 3:36 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	193	355
	PROJECT FILE NO. 608717		358

PLANTING PLANS

Plotted on 5-May-2023 3:37 PM

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LIMIT OF WORK
STA. 400+80.47
N 2858716.8242
E 368671.8197

NAD 83

CONTINUED ON SHEET NO. 186

GRENADA TERRACE (PUBLIC)

DICKINSON STREET (PUBLIC)

BURLINGTON STREET (PUBLIC)

PC +80.47 PT +46.60 PC +10.40 PT +52.28 PT +79.07

LOAM AND SEED TYP.

PROP. STREET TREE TYP.

PROP. 6" HT. RAISED GRANITE PLANTER

CONTINUED ON SHEET NO. 189

SCALE: 1" = 20'

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
CC	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	35	4	2"–2.5" CAL.
UH	ULMUS X HOMESTEAD	HOMESTEAD ELM	50	2	2.5"–3" CAL.
UAP	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	70	4	2.5"–3" CAL.
	PERENNIALS				
CT	CAREX STRICTA	TUSSOCK SEDGE	3	32	1 GAL.

LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	194	358
	PROJECT FILE NO. 608717		

PLANTING PLANS

Plotted on 5-May-2023 3:37 PM
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SUMNER AVENUE (PUBLIC)
PT +34.10
PC +13.91
DICKINSON STREET (PUBLIC)
TRENTON STREET (PUBLIC)
CLIFTWOOD STREET (PUBLIC)
LIMIT OF WORK
STA. 413+51.42
N 2857703.1809
E 369437.9214
NAD 83
PROP. STREET TREE TYP.
PROP. SMALL TREE TYP.
PROP. 6" HT. RAISED GRANITE PLANTER
CONTINUED ON SHEET NO. 186
FDC LLC BK/PG 19281/479 (LOT D) Map ID: 012350107 582-586 BELMONT AV
FDC LLC BK/PG 19281/479 (LOT D) Map ID: 116400004 TRENTON ST
JAVIER E GOZALEZ BK/PG 19628/535 Map ID: 116400009 9-11 TRENTON ST
SALMAR REALTY LLC BK/PG 20154/429 Map ID: 039100453 DICKINSON ST (PARCEL B)
SALMAR REALTY LLC BK/PG 20154/429 Map ID: 039100453 DICKINSON ST (PARCEL C)
SALMAR REALTY LLC BK/PG 20154/429 Map ID: 012350108 568 BELMONT AV (PARCEL A)
KARAASLAN REALTY LLC BK/PG 20237/557 Map ID: 039100444 (PARCEL 3) DICKINSON ST
KARAASLAN REALTY LLC BK/PG 20237/557 Map ID: 039100447 (PARCEL 1 & 2) 459 DICKINSON ST
WILFREDO LOPEZ JR BK/PG 11521/0103 Map ID: 039100443 471-473 DICKINSON ST
JANDICE HAYNES BK/PG 24004/533 Map ID: 039100442 483 DICKINSON ST
SPRINGFIELD PARKING AUTHORITY BK/PG 7792/520 Map ID: 039100094 DICKINSON ST
DICKINSON STREET MANAGEMENT LLC BK/PG 13826/0248 Map ID: 039100098 (PARCEL 2) 452 DICKINSON ST
DICKINSON STREEET MANAGEMENT LLC BK/PG 13826/0248 Map ID: 039100100 (PARCEL 3) 458 DICKINSON ST
DICKINSON STREET MANAGEMENT LLC BK/PG 13826/0248 Map ID: 039100096 (PARCEL1) 448 DICKINSON ST
PARKWOOD APARTMENTS LLC BK/PG 22022/168 Map ID: 039100104 464 DICKINSON ST
WALGREEN'' SIGN
DONOTENTER''
BUS STOP''
STOP''
1922 CITY LAYOUT
DECK
GREASE
BUS. METERS
TILT UG
408 409 410 411 412 413 414 707

0 20 50 100
SCALE: 1" = 20'

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	20	1	2"-2.5" CAL. (SINGLE STEM)
UH	ULMUS X HOMESTEAD	HOMESTEAD ELM	50	3	2.5"-3" CAL.
UAP	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	60	3	2.5"-3" CAL.
UD	ULMUS DAVIDIANA VAR. JAPONICA 'PROSPECTOR'	PROSPECTOR ELM	40	2	2.5"-3" CAL.
	GRASSES/GROUNDCOVER/PERENNIALS				
CT	CAREX STRICTA	TUSSOCK SEDGE	2	64	1 GAL.

LEGEND
- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES (X / XX)

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	195	358
PROJECT FILE NO.	608717		

PLANTING PLANS

20121457A70_LSP01.DWG Plotted on 5-May-2023 3:37 PM

SUMNER AVENUE (PUBLIC)

ORMOND STREET (PUBLIC)

LIMIT OF WORK
STA. 309+32.36
N 2857942.4936
E 370032.4873

EXISTING TREE TO REMAIN TYP.

LOAM AND SEED TYP.

PROP. STREET TREE TYP.

CONTINUED ON SHEET NO. 192

CONTINUED ON SHEET NO. 188

NAD 83

0 20 50 100
SCALE: 1" = 20'

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	60	1	2.5"–3" CAL.

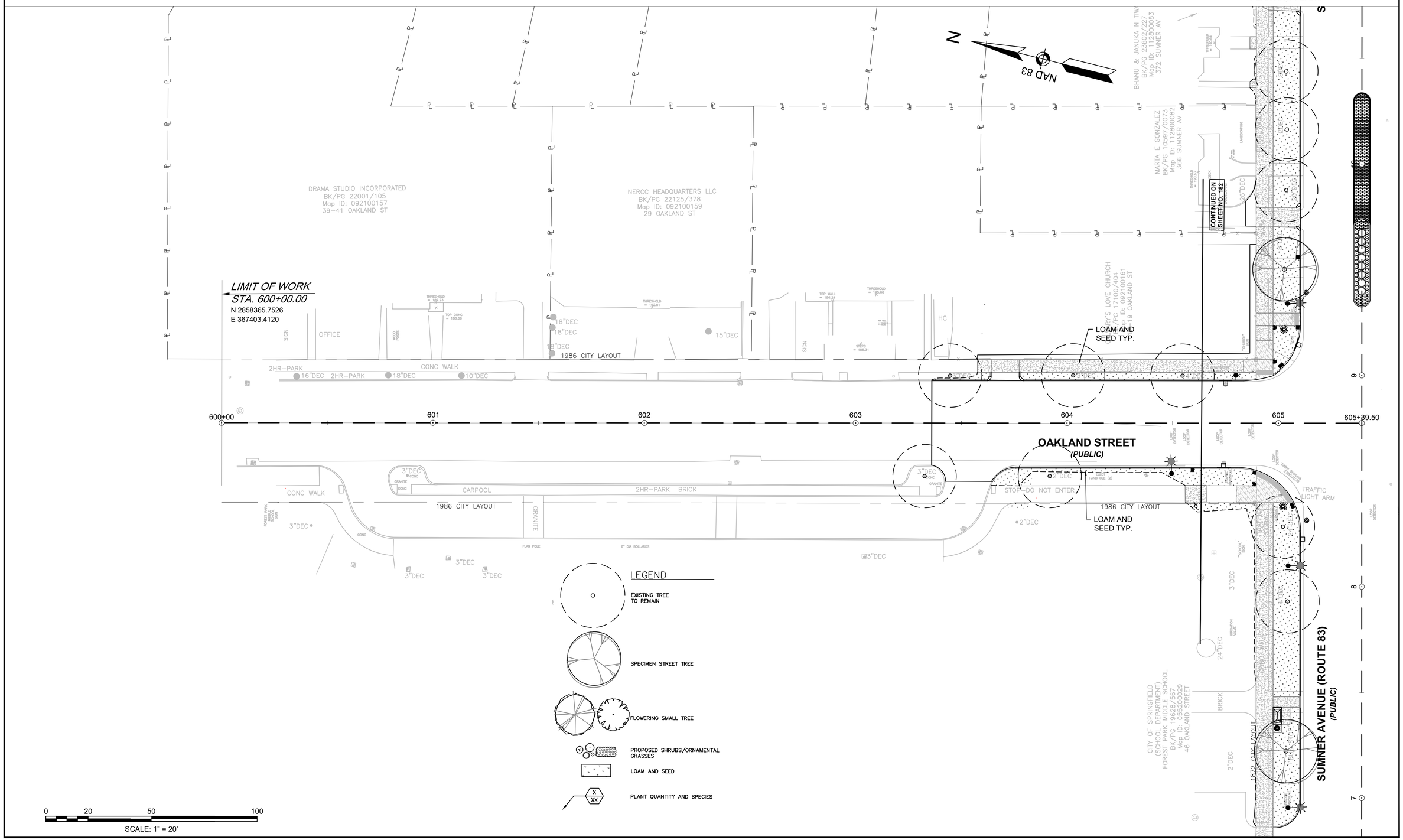
LEGEND

- EXISTING TREE TO REMAIN
- SPECIMEN STREET TREE
- FLOWERING SMALL TREE
- PROPOSED SHRUBS/ORNAMENTAL GRASSES
- LOAM AND SEED
- PLANT QUANTITY AND SPECIES

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	196	358
PROJECT FILE NO.	608717		

PLANTING PLANS



20121457A70_LSP01.DWG Plotted on 5-May-2023 3:38 PM

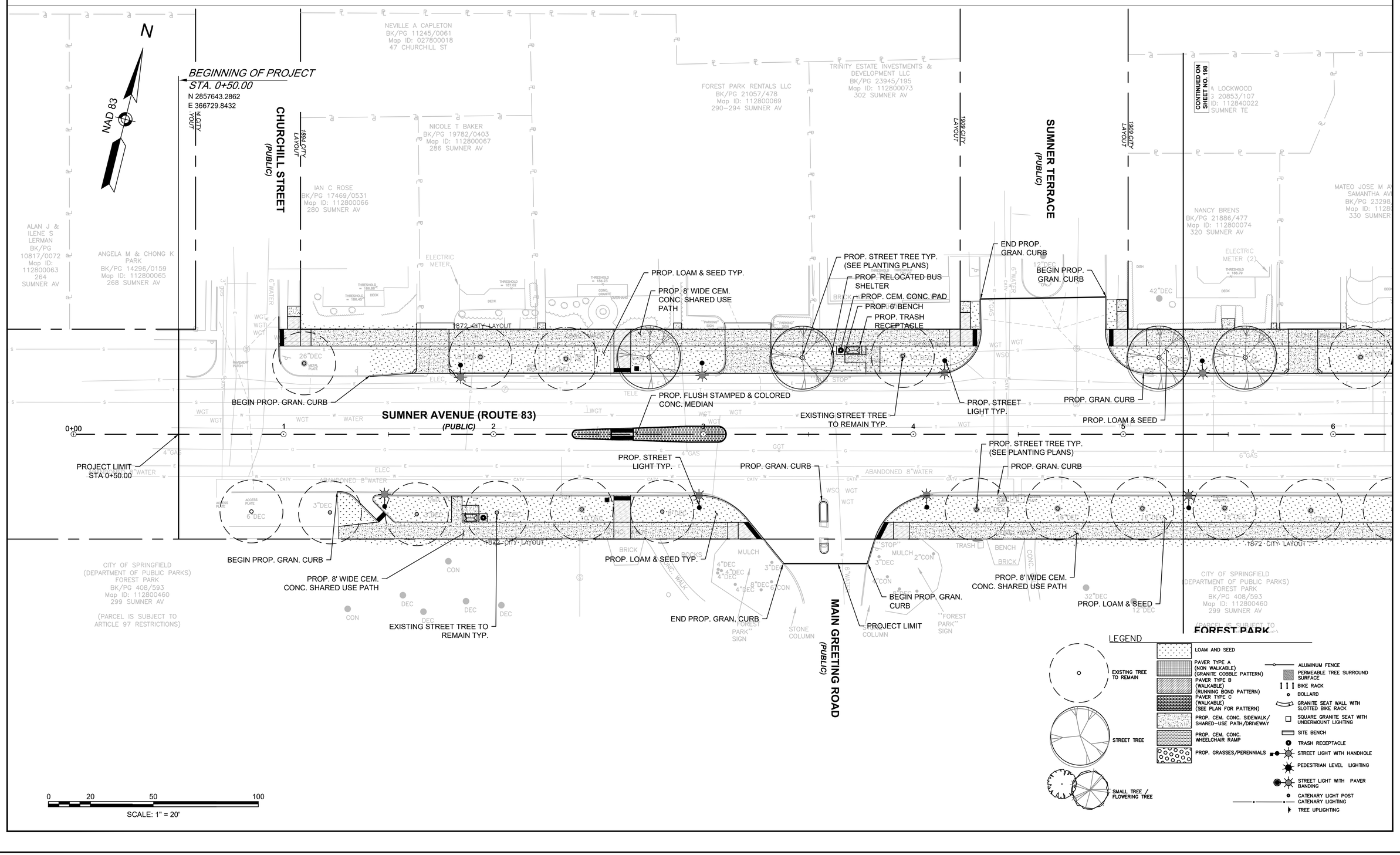
SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	197	358
PROJECT FILE NO.	608717		

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

20121457A70_LND01.DWG Plotted on 5-May-2023 3:39 PM

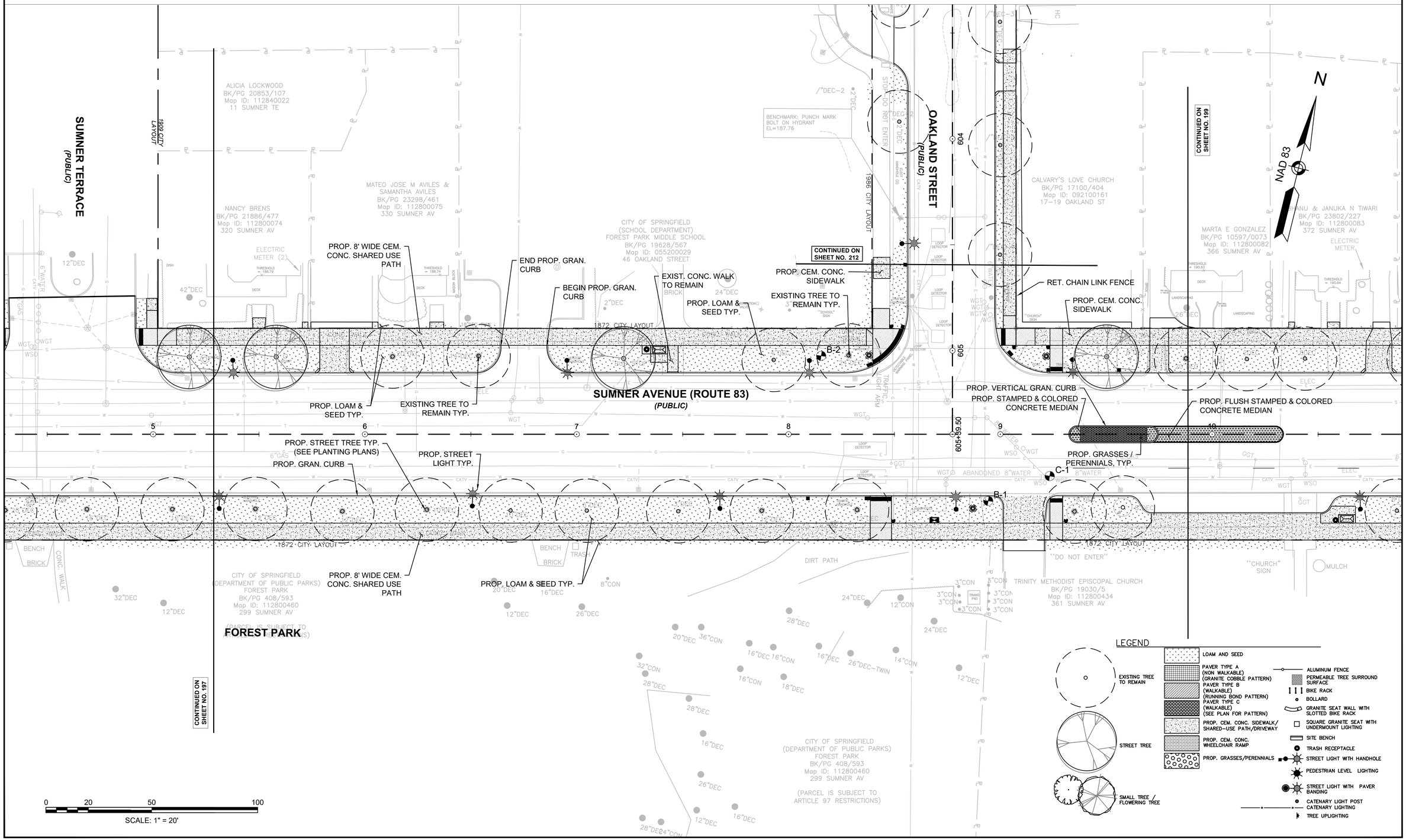


SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	198	358
PROJECT FILE NO.	608717		

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS



20121457A70_LND01.DWG Plotted on 5-May-2023 3:40 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	199	358
	PROJECT FILE NO.	608717	

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

N

NAD 83

KENWOOD TERRACE (PUBLIC)

BEAUMONT STREET (PUBLIC)

SUMNER AVENUE (ROUTE 83) (PUBLIC)

CONTINENTAL STREET (PUBLIC)

CALVARY'S LOVE CHURCH
BK/PG 17100/404
Map ID: 092100161
17-19 OAKLAND ST

ERIK G. SCOTT
BK/PG 23890/595
Map ID: 072520003
16 KENWOOD TER

LOTCUS LLC
BK/PG 24804/322
Map ID: 072520021
17 KENWOOD TER

GREGORY A. & EVA ROUGELLIS
BK/PG 05885/202
Map ID: 011450003
16 BEAUMONT ST

BENCHMARK: SPIKE IN UTILITY LIGHT POLE
EL=188.60

MANU & JANUKA N TIWARI
BK/PG 23802/227
Map ID: 112800083
372 SUMNER AV

MARTA E GONZALEZ
BK/PG 10597/0073
Map ID: 112800082
366 SUMNER AV

KERUBE FARHADI
BK/PG 22078/523
Map ID: 112800084
376-378 SUMNER AV

ANDREW W VIVENZIO
BK/PG 12956/0494
Map ID: 112800085
390 SUMNER AV

DAO VU
BK/PG 15728/0310
Map ID: 112800086
398 SUMNER AV

ROSEMARY PEREZ
BK/PG 15061/0330
Map ID: 112800087
402 SUMNER AV

TOWER REALTY PARKER ST LLC
BK/PG 23062/120
Map ID: 112800088
408 SUMNER AV

PARKRIDGE PRO
BK/PG 176
Map ID: 112
420 SUMN

TRINITY METHODIST EPISCOPAL CHURCH
BK/PG 19030/5
Map ID: 112800434
361 SUMNER AV

GEN-WEALTH PROPERTIES LLC
BK/PG 24814/392
Map ID: 112800426

CONTINUED ON SHEET NO. 200

CONTINUED ON SHEET NO. 198

END PROP. GRAN. CURB

PROJECT LIMIT

BEGIN PROP. GRAN. CURB

EXISTING TREE TO REMAIN TYP.

PROP. LOAM & SEED TYP.

PROP. STREET LIGHT TYP.

PROP. 8' WIDE CEM. CONC. SHARED USE PATH

PROP. 12.5' WIDE CEM. CONC. SIDEWALK AT BUS STOP

PROP. FLUSH STAMPED & COLORED CONCRETE MEDIAN

PROP. STAMPED & COLORED CONCRETE MEDIAN

PROP. VERTICAL GRAN. CURB

PROP. FLUSH STAMPED & COLORED CONCRETE MEDIAN (SEE DETAILS)

PROP. STREET TREE TYP. (SEE PLANTING PLAN)

PROP. SMALL TREE TYP.

B-1

C-1

1872 CITY LAYOUT

"DO NOT ENTER"

"CHURCH" SIGN

MULCH

LEGEND

- LOAM AND SEED
- PAVER TYPE A (NON WALKABLE) (GRANITE COBBLE PATTERN)
- PAVER TYPE B (WALKABLE) (RUNNING BOND PATTERN)
- PAVER TYPE C (WALKABLE) (SEE PLAN FOR PATTERN)
- PROP. CEM. CONC. SIDEWALK/ SHARED-USE PATH/DRIVEWAY
- PROP. CEM. CONC. WHEELCHAIR RAMP
- PROP. GRASSES/PERENNIALS
- EXISTING TREE TO REMAIN
- STREET TREE
- SMALL TREE / FLOWERING TREE
- ALUMINUM FENCE
- PERMEABLE TREE SURROUND SURFACE
- BIKE RACK
- BOLLARD
- GRANITE SEAT WALL WITH SLOTTED BIKE RACK
- SQUARE GRANITE SEAT WITH UNDERMOUNT LIGHTING
- SITE BENCH
- TRASH RECEPTACLE
- STREET LIGHT WITH HANDHOLE
- PEDESTRIAN LEVEL LIGHTING
- STREET LIGHT WITH PAVER BANDING
- CATENARY LIGHT POST CATENARY LIGHTING
- TREE UPLIGHTING

0 20 50 100

SCALE: 1" = 20'

20121457A70_LND01.DWG Plotted on 5-May-2023 3:40 PM

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	200	358
	PROJECT FILE NO. 608717		

STREETSCAPE PLANS

20121457A70_LND01.DWG Plotted on 5-May-2023 3:40 PM

N

NAD 83

CONTINUED ON SHEET NO.201

GREGORY A. & EVA ROUGELLIS BK/PG 05885/202 Map ID: 011450004 16 BEAUMONT ST

EDWARD M & JOANNE M PIKULA BK/PG 08007/0095 Map ID: 011450036 17 BEAUMONT ST

NALANI CAPITAL LLC/ BK/PG 24840/148 (PARCEL 5) Map ID: 012350103 BELMONT AV

TOWER REALTY PARKER ST LLC BK/PG 23062/120 Map ID: 112800088 408 SUMNER AV

ROSEMARY PEREZ BK/PG 15061/0330 Map ID: 112800087 402 SUMNER AV

BEAUMONT STREET (PUBLIC)

PARKRIDGE PROPERTIES LLC BK/PG 17660/288 Map ID: 112800089 420 SUMNER AV

ALTAGRACIA MIRIAN ESTRELLA DE URENA BK/PG 24398/420 Map ID: 112800090 426 SUMNER AV

ISAAC GRULLON COLON BK/PG 24472/564 Map ID: 112800091 432 SUMNER AV

SUMNER LLC BK/PG 20291/164 Map ID: 112800092 440 SUMNER AV

PERSAM SPRINGFIELD LLC BK/PG 21500/242 Map ID: 112800095 444 SUMNER AV

PROJECT LIMIT

BEGIN PROP. GRAN. CURB

PROP. 8' WIDE CEM. CONC. SHARED USE PATH

END PROP. GRAN. CURB

PROP. SMALL TREE TYP.

PROP. STAMPED & COLORED CONCRETE MEDIAN

PROP. VERTICAL GRAN. CURB

PROP. FLUSH STAMPED & COLORED CONCRETE MEDIAN (SEE DETAILS)

PROP. LOAM & SEED TYP.

PROP. STREET TREE TYP. (SEE PLANTING PLANS)

PROP. GRAN. CURB

PROP. STREET LIGHT TYP.

PROP. GRAN. CURB

PROP. LOAM & SEED TYP.

PROP. BIKE RACK (1 HOOP) TYP.

PROP. 6' BENCH TYP.

SUMNER AVENUE (ROUTE 83) (PUBLIC)

CONTINENTAL STREET (PUBLIC)

CLIFTWOOD STREET (PUBLIC)

PARKWOOD STREET (PUBLIC)

PROP. 8' WIDE CEM. CONC. SHARED USE PATH

PROJECT LIMIT

BEGIN PROP. GRAN. CURB

PROP. CEM. CONC. SIDEWALK

"PARKING" SIGN

BENCHMARK: TOP SPINDLE HYDRANT EL=190.96

GEN-WEALTH PROPERTIES LLC BK/PG 24814/392 Map ID: 112800426 407 SUMNER AV

TY G MEZZETTI BK/PG 24949/301 Map ID: 112800424 419 SUMNER AV

PARKWOOD APARTMENTS LLC BK/PG 18274/408 Map ID: 112800423 425 SUMNER AV

RF REALTY COMPANY LLC BK/PG 19577/357 Map ID: 112800421 445 SUMNER AV

RICHARD J LABR BK/PG 1293 Map ID: 11 461 SUMNE

CONTINUED ON SHEET NO.199

JOSE L ESTEVEZ BK/PG 16331/0161 Map ID: 112800425 415 SUMNER AV

PHUONG L. DO BK/PG 15068/0443 Map ID: 031500017 11 CONTINENTAL ST

FELIZ AREZ JR BK/PG 22210/406 Map ID: 095300003 14 PARKWOOD ST

0 20 50 100

SCALE: 1" = 20'

LEGEND

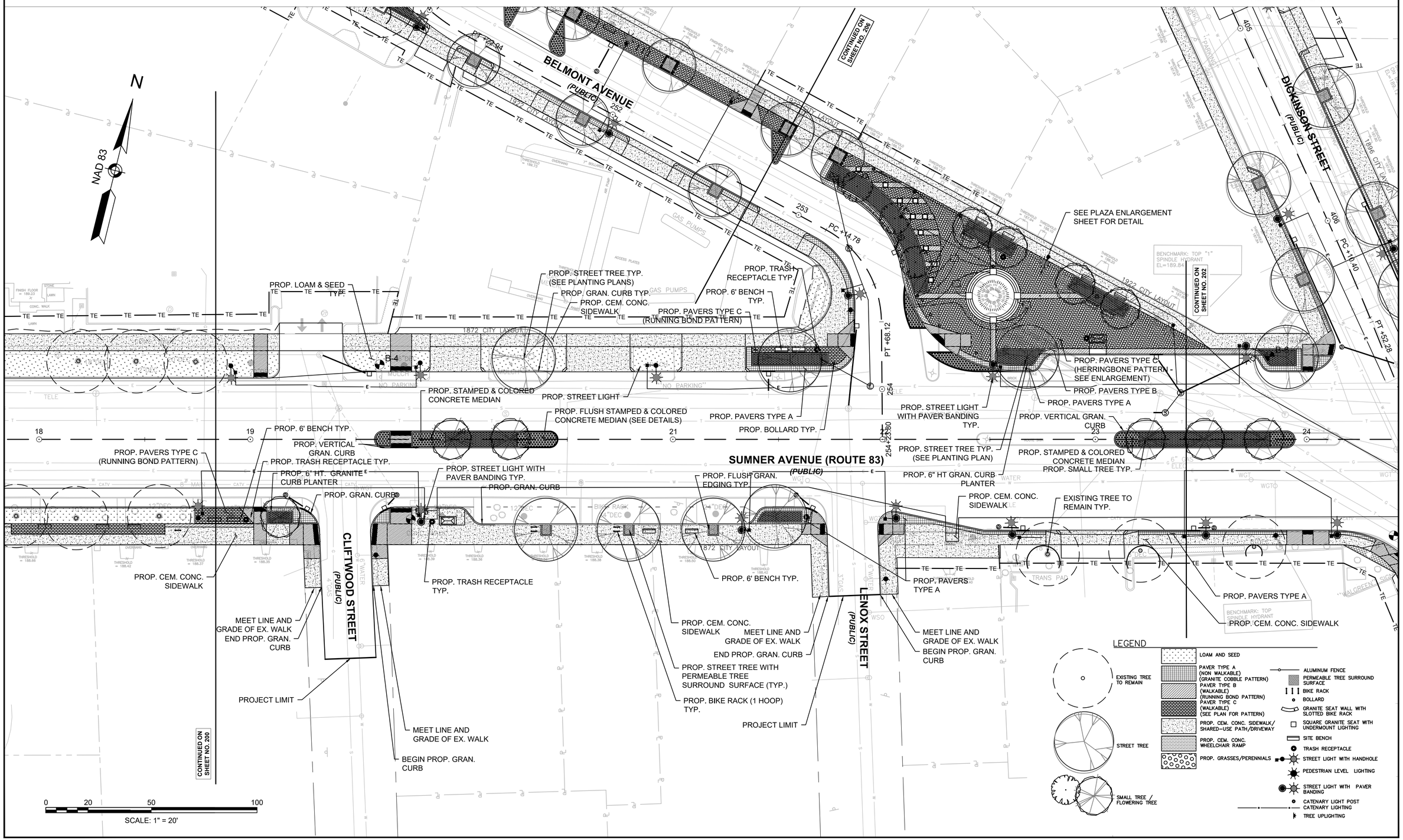
- EXISTING TREE TO REMAIN
- STREET TREE
- SMALL TREE / FLOWERING TREE
- LOAM AND SEED
- PAVER TYPE A (NON WALKABLE) (GRANITE COBBLE PATTERN)
- PAVER TYPE B (WALKABLE) (RUNNING BOND PATTERN)
- PAVER TYPE C (WALKABLE) (SEE PLAN FOR PATTERN)
- PROP. CEM. CONC. SIDEWALK/ SHARED-USE PATH/DRIVEWAY
- PROP. CEM. CONC. WHEELCHAIR RAMP
- PROP. GRASSES/PERENNIALS
- ALUMINUM FENCE
- PERMEABLE TREE SURROUND SURFACE
- BIKE RACK
- BOLLARD
- GRANITE SEAT WALL WITH SLOTTED BIKE RACK
- SQUARE GRANITE SEAT WITH UNDERMOUNT LIGHTING
- SITE BENCH
- TRASH RECEPTACLE
- STREET LIGHT WITH HANDHOLE
- PEDESTRIAN LEVEL LIGHTING
- STREET LIGHT WITH PAVER BANDING
- CATENARY LIGHT POST CATENARY LIGHTING
- TREE UPLIGHTING

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	201	358
	PROJECT FILE NO.	608717	

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS



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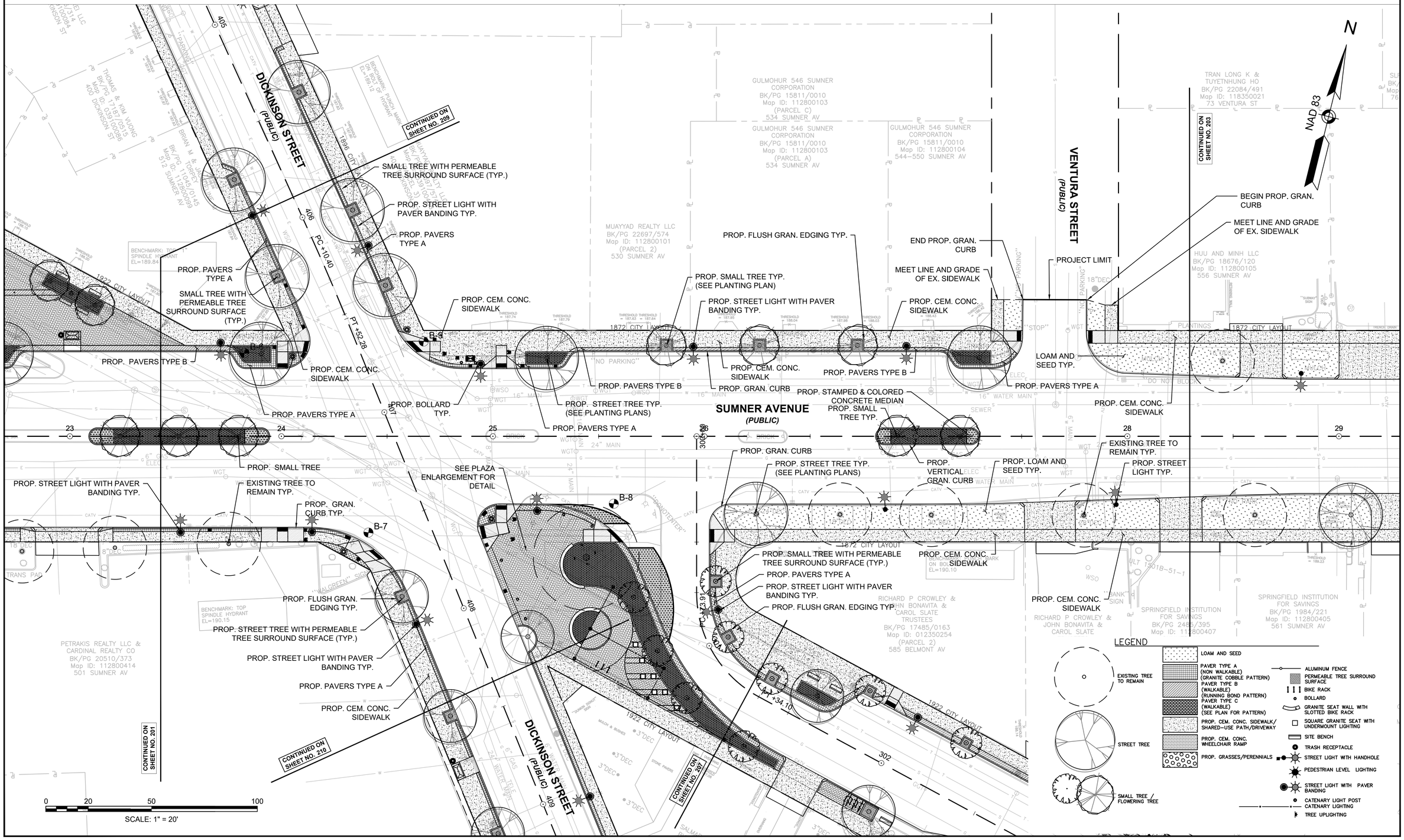
SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	202	358
PROJECT FILE NO.	608717		

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS



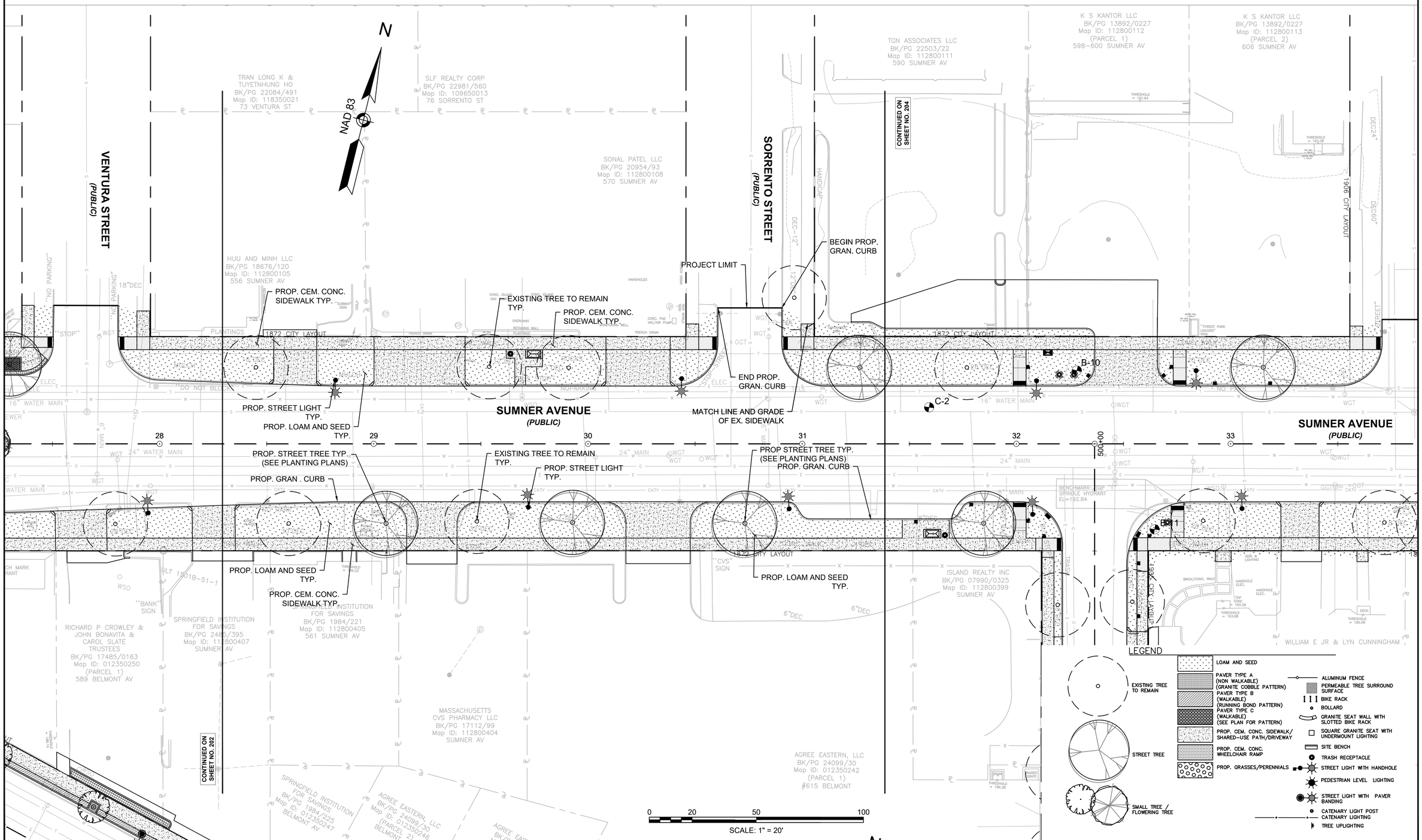
20121457A70_LND01.DWG Plotted on 5-May-2023 3:41 PM

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	203	358
PROJECT FILE NO.	608717		

STREETSCAPE PLANS



20121457A70_LND01.DWG Plotted on 5-May-2023 3:41 PM

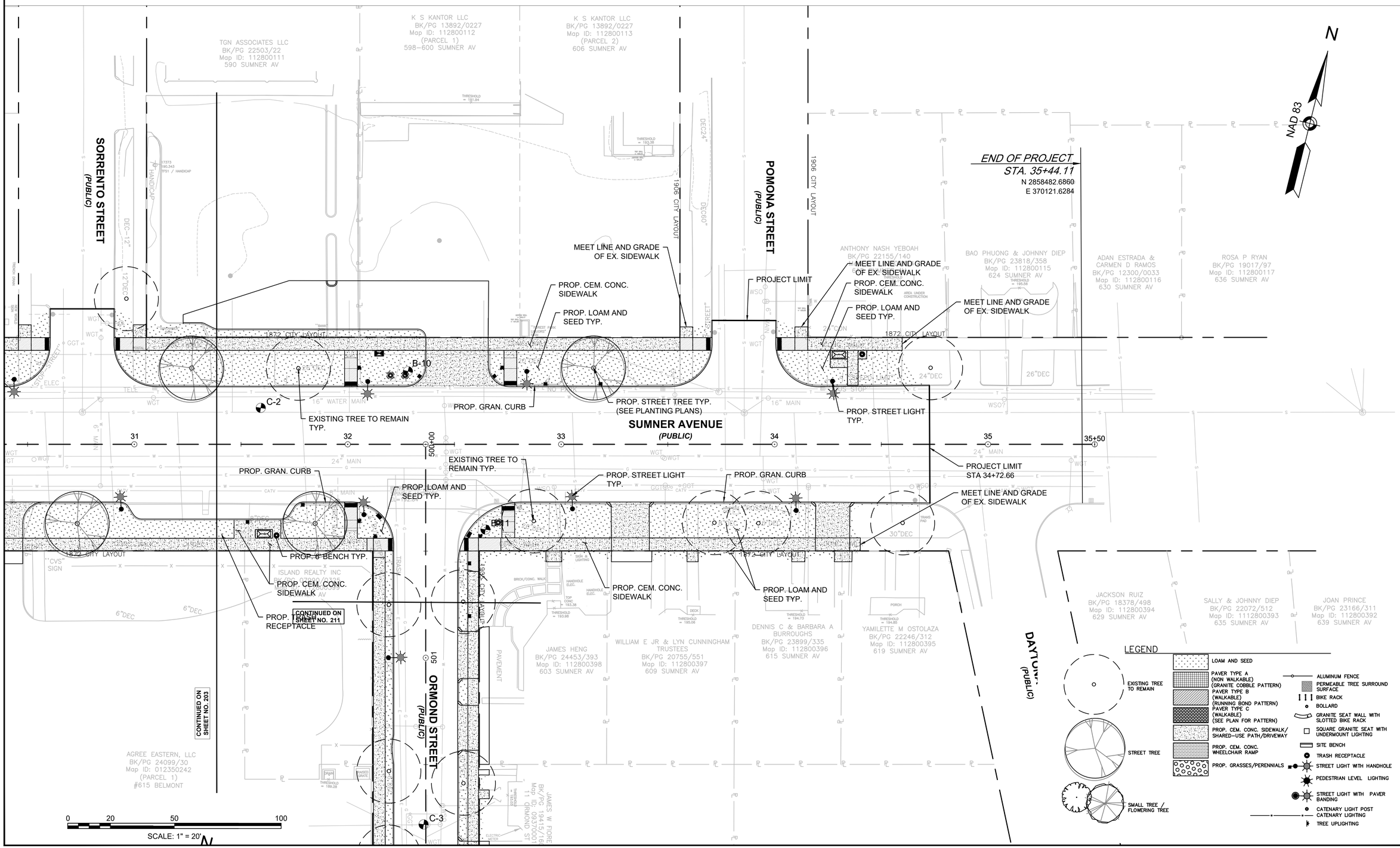
SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	204	358
PROJECT FILE NO.	608717		

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

20121457A70_LND01.DWG Plotted on 5-May-2023 3:42 PM



SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	205	358
PROJECT FILE NO.	608717		

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

LEGEND

- EXISTING TREE TO REMAIN
- STREET TREE
- SMALL TREE / FLOWERING TREE
- LOAM AND SEED
- PAVER TYPE A (NON WALKABLE) (GRANITE COBBLE PATTERN)
- PAVER TYPE B (WALKABLE) (RUNNING BOND PATTERN)
- PAVER TYPE C (WALKABLE) (SEE PLAN FOR PATTERN)
- PROP. CEM. CONC. SIDEWALK/ SHARED-USE PATH/DRIVEWAY
- PROP. CEM. CONC. WHEELCHAIR RAMP
- PROP. GRASSES/PERENNIALS
- ALUMINUM FENCE
- PERMEABLE TREE SURROUND SURFACE
- BIKE RACK
- BOLLARD
- GRANITE SEAT WALL WITH SLOTTED BIKE RACK
- SQUARE GRANITE SEAT WITH UNDERMOUNT LIGHTING
- SITE BENCH
- TRASH RECEPTACLE
- STREET LIGHT WITH HANDHOLE
- PEDESTRIAN LEVEL LIGHTING
- STREET LIGHT WITH PAVER BANDING
- CATENARY LIGHT POST
- CATENARY LIGHTING
- TREE UPLIGHTING

N

NAD 83

BEAUMONT STREET (PUBLIC)

LIMIT OF WORK
STA. 200+90.00
N 2858422.6534
E 368156.1247

PROJECT LIMIT
STA 201+00.00

200+00

201

202

203

204

205 PC +05.16

206 PT +79.07

207

PT +43.85

250+00

PC +88.91

PT +33.82

PC +47.43

PRC +80.63

251

PT +22.94

252

BELMONT AVENUE (PUBLIC)

BURLINGTON STREET (PUBLIC)

PROP. STREET TREE TYP.

PROP. LOAM & SEED TYP.

PROP. CEM. CONC. SIDEWALK

PROP. GRAN. CURB

PROP. STREET TREE WITH PERMEABLE TREE SURROUND SURFACE (TYP.)

EXISTING TREE TO REMAIN TYP.

PROP. STREET LIGHT TYP.

PROP. STREET LIGHT WITH PAVER BANDING TYP.

PROP. FLUSH GRAN. EDGING TYP.

PROP. PAVERS TYPE A

PROP. CEM. CONC. SIDEWALK TYP.

PROP. PAVERS TYPE A

PROP. CEM. CONC. WALK TO MEET LINE AND GRADE OF EXISTING WALKWAY

PROP. CEM. CONC. SIDEWALK TYP.

PROP. CEM. CONC. SIDEWALK TYP.

PROP. STREET TREE WITH PERMEABLE TREE SURROUND SURFACE (TYP.)

PAVER BANDING TYP.

PROP. PAVERS TYPE C (RUNNING BOND PATTERN)

CONTINUED ON SHEET NO. 208

CONTINUED ON SHEET NO. 206

1922 CITY LAYOUT

BENCHMARK: PUNCH MARK BOLT OF HYDRANT EL=189.81

NGUYEN HUNG & PHONG PHAM
BK/PG 21604/107
Map ID: 012350278
461 BELMONT AV

PADAM GAJMBER & SHOVA GAJMER & DAMBER BISWA & SUBASH LUHAGUN
BK/PG 24882/192
Map ID: 012350276
463-465 BELMONT AV

CHARLES R LYONS
BK/PG 06614/1
Map ID: 012350274
467-469 BELMONT AV

NALANI CAPITAL LLC
BK/PG 24840/148 (PARCEL 6)
Map ID: 012350272
BELMONT AV

NALANI CAPITAL LLC
BK/PG 24840/148 (PARCEL 7)
Map ID: 012350271
BELMONT AV

BELMONT BURLINGTON LLC
BK/PG 22243/6
Map ID: 012350270
(PARCEL 1)
483 BELMONT AV

"RESERVE"
BELMONT BURLINGTON LLC
BK/PG 22243/6
Map ID: 021000004
(PARCEL 21)
BURLINGTON ST

ANTONIO CALVANESE
BK/PG 20990/150
Map ID: 021000006
29 BURLINGTON ST

SALVATORE O CIROSTA
BK/PG 20226/327
Map ID: 021000007
24 BURLINGTON AV

FREEDOM PROPERTY GROUP LLC
BK/PG 20116/578
Map ID: 031000077
368 DICKINSON ST

ANTHONY L SANTANIELLO
07357/0103
Map ID: 021000012
BURLINGTON ST

ANTHONY L SANTANIELLO
BK/PG 08324/0158
Map ID: 021000013
21 BURLINGTON ST

BRANDON PARRY & KRISTEN TRUST
BK/PG 23906/238
Map ID: 012350267
497 BELMONT AVE

ISABEL LUCERO-MARTINEZ
BK/PG 24598/578
Map ID: 012350265
501 BELMONT AV

509 BELMONT INC
Map ID: 012350263
509 BELMONT AV

LIANG MIN & QING ZHANG
PG 21058/470
ID: 012350280
BELMONT AV

MARK: PUNCH MARK OF HYDRANT
3.24

MARTHA ALVARDO
BK/PG 16373/0237
Map ID: 012350092
450 BELMONT AV

SAGE HOME BUILDERS LLC
BK/PG 22895/261
Map ID: 012350094
462 BELMONT AV

NALANI CAPITAL LLC
BK/PG 24840/148 (PARCEL 4)
Map ID: 012350095
BELMONT AV

NALANI CAPITAL LLC
BK/PG 24840/148 (PARCEL 3)
Map ID: 012350097
BELMONT AV

NALANI CAPITAL LLC
BK/PG 24840/148 (PARCEL 2)
Map ID: 012350099
BELMONT AV

NALANI CAPITAL LLC
BK/PG 24840/148 (PARCEL 1)
Map ID: 012350101
486-494 BELMONT AV

NALANI CAPITAL LLC
BK/PG 24840/148 (PARCEL 5)
Map ID: 012350103
BELMONT AV

CUMBERLAND FARMS INC
BK/PG 06101/0415
Map ID: 112800
470 SUMNER AV

0 20 50 100

SCALE: 1" = 20'

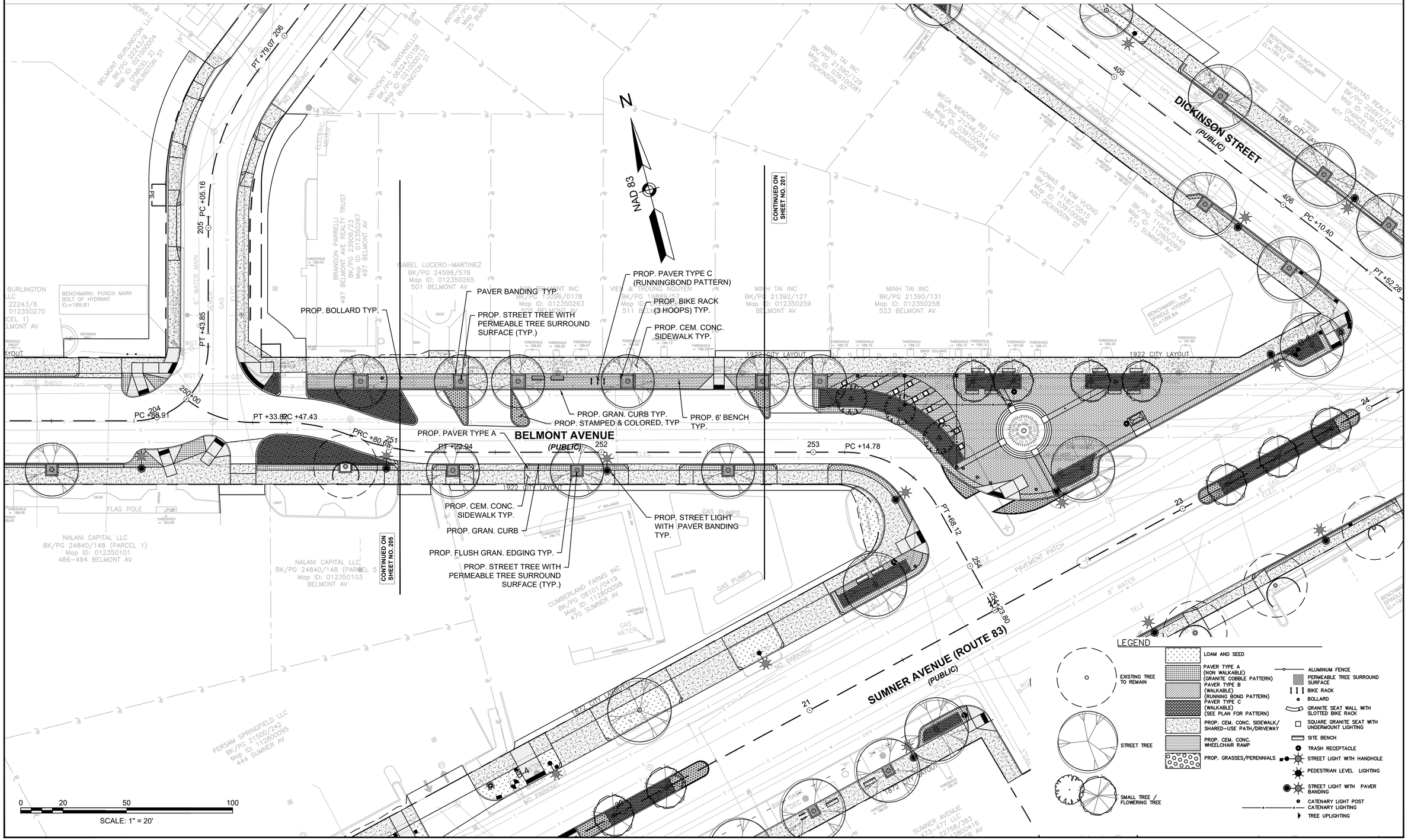
20121457A70_LND01.DWG Plotted on 5-May-2023 3:42 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	206	358
	PROJECT FILE NO.	608717	

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS



0 20 50 100
SCALE: 1" = 20'

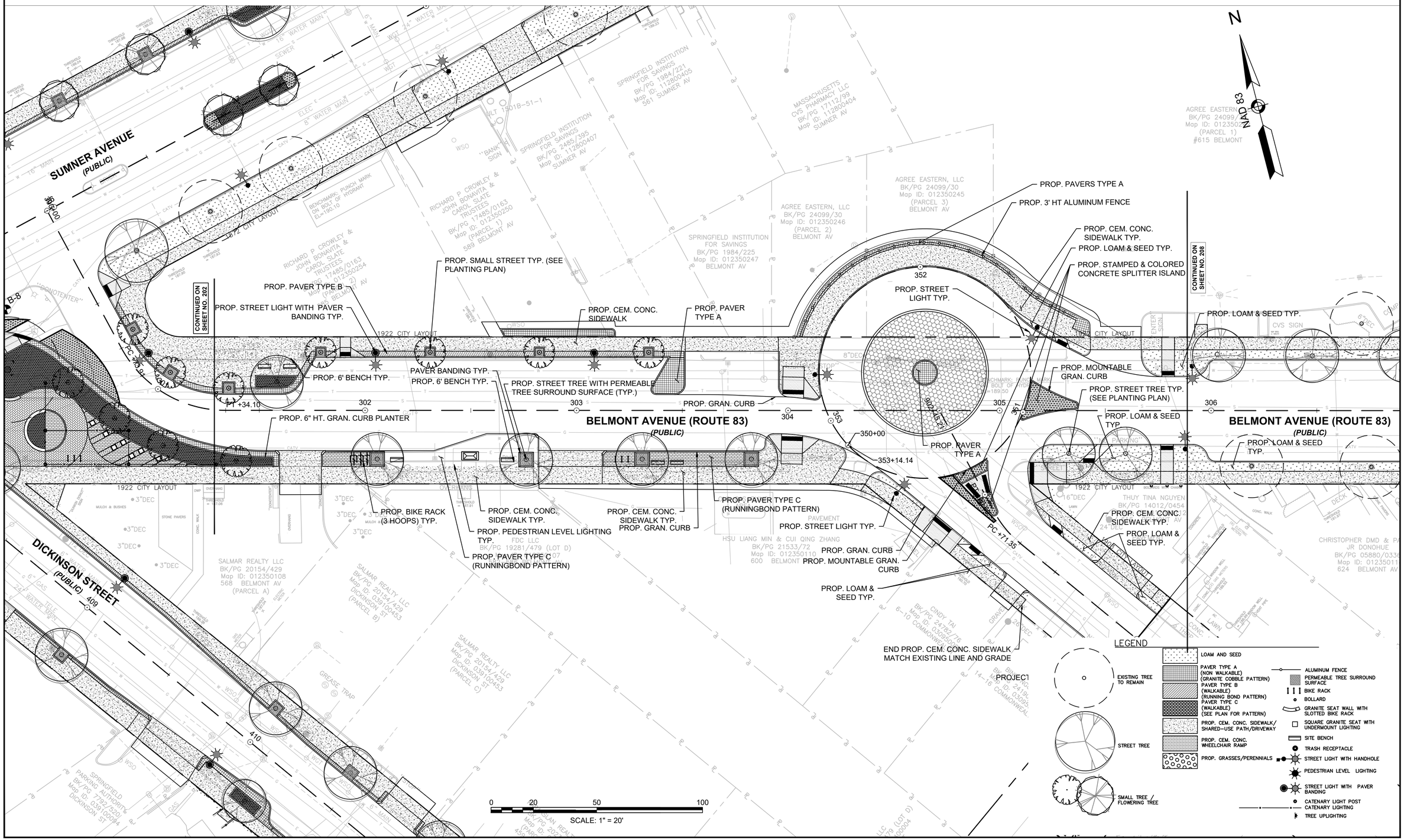
20121457A70_LND01.DWG Plotted on 5-May-2023 3:42 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	207	358
	PROJECT FILE NO. 608717		

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS



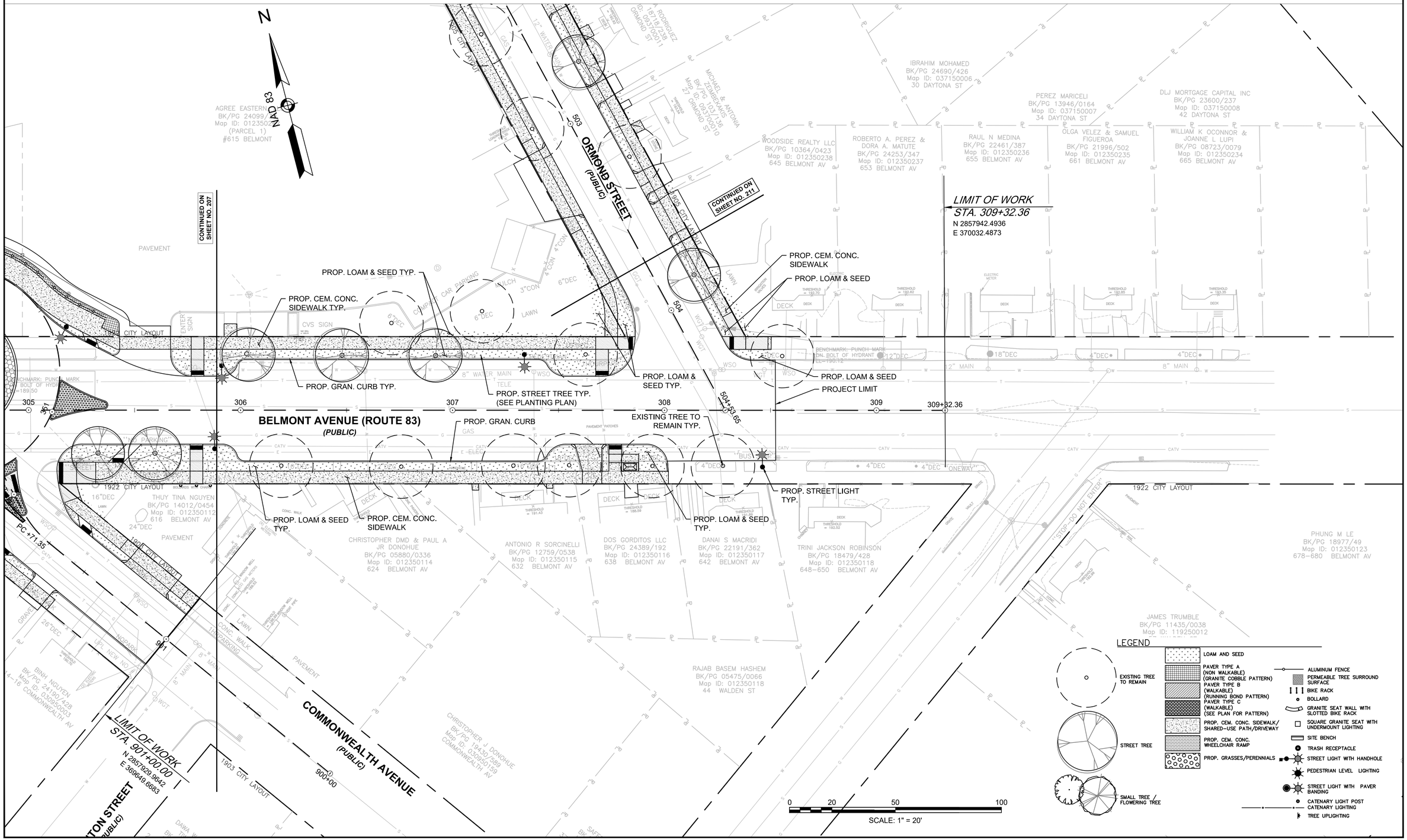
20121457A70_LND01.DWG Plotted on 5-May-2023 3:43 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	208	358
	PROJECT FILE NO. 608717		

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS



20121457A70_LND01.DWG Plotted on 5-May-2023 3:43 PM

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	209	358
	PROJECT FILE NO. 608717		

STREETSCAPE PLANS

20121457A70_LND01.DWG Plotted on 5-May-2023 3:43 PM

LIMIT OF WORK
STA. 400+80.47
N 2858716.8242
E 368671.8197

GRENADA TERRACE (PUBLIC)

DICKINSON STREET (PUBLIC)

BURLINGTON STREET (PUBLIC)

BEGIN PROP. GRAN. CURB

MEET LINE AND GRADE OF EX. SIDEWALK

PROP. LOAM & SEED TYP

PROP. CEM. CONC. SIDEWALK

PROP. STREET TREE TYP. (SEE PLANTING PLANS)

PROP. LOAM & SEED TYP.

PROP. PAVERS TYPE A

PROP. GRAN. CURB

PROP. STREET TREE WITH PERMEABLE TREE SURROUND SURFACE (TYP.)

PROP. STREET LIGHT WITH PAVER BANDING TYP.

PROP. PAVERS TYPE C (RUNNINGBOND PATTERN)

PROP. CEM. CONC. WALK AT DRIVEWAY

PROP. STREET LIGHT (TYP)

PROP. SMALL STREET TREE WITH PERMEABLE TREE SURROUND SURFACE (TYP.)

BENCHMARK: PUNCH MARK ON BOLT OF HYDRANT EL=189.12

CONTINUED ON SHEET NO. 202

CONTINUED ON SHEET NO. 205

PC +80.47 PT +46.60 PC +10.40 PT +52.28 PT +79.07

HOLY NAME CATHOLIC ASSOCIATION BK/PG 2029/278 Map ID: 039100474 DICKINSON ST

IRENE A FONTAINE BK/PG 07687/499 Map ID: 060600038 17 GRENADA TERRACE

FOREST ORCHARD LLC BK/PG 24835/469 Map ID: 039100468 371 DICKINSON ST

VU SAM LAP & KIM CHAM TANG TRUSTEES BK/PG 11118/0391 Map ID: 039100464 385 DICKINSON ST

MUAYYAD REALTY LLC BK/PG 22697/574 Map ID: 039100461 (PARCEL 1) DICKINSON ST

MUAYYAD REALTY LLC BK/PG 22697/574 Map ID: 039100458 (PARCEL 3) 401 DICKINSON ST

BISWA GANGA BK/PG 20723/335 Map ID: 039100075 350 DICKINSON ST

EURIPIDES PETER PIATTI-RIOS BK/PG 23787/249 Map ID: 039100076 358 DICKINSON ST

FREEDOM PROPERTY GROUP LLC BK/PG 20116/378 Map ID: 039100077 368 DICKINSON ST

PHUNG M LE BK/PG 20981/46 Map ID: 039100078 DICKINSON ST

PHUNG LE BK/PG 19477/172 Map ID: 039100079 378-380 DICKINSON ST

MINH TAI INC BK/PG 21390/129 Map ID: 039100081 DICKINSON ST

MEGA MEADOW REI LLC BK/PG 21246/314 Map ID: 039100084 388-394 DICKINSON ST

THOMAS & KIM VUONG BK/PG 17187/0515 Map ID: 039100086 400 DICKINSON ST

BRIAN M & JANE LINE TORPEY BK/PG 11045/0145 Map ID: 112800099 512 SUMNER AV

SALVATORE O CIRCOSTA BK/PG 20228/327 Map ID: 021000007 24 BURLINGTON AV

ANTHONY L SANTANIELLO BK/PG 07357/0103 Map ID: 021000012 25 BURLINGTON ST

ANTHONY L SANTANIELLO BK/PG 06324/0158 Map ID: 021000013 21 BURLINGTON ST

ANTONIO CALVANESE BK/PG 20990/150 Map ID: 021000006 20 BURLINGTON ST

MINH TAI INC BK/PG 21390/131 Map ID: 012350258 523 BELMONT AV

MINH TAI INC BK/PG 21390/127 Map ID: 012350259 BELMONT AV

VIEN & TROUNG NGUYEN BK/PG 19889/67 Map ID: 012350261 511 BELMONT AV

509 BELMONT INC BK/PG 13096/0178 Map ID: 012350263 505 BELMONT AV

0 20 50 100
SCALE: 1" = 20'

LEGEND

- EXISTING TREE TO REMAIN
- STREET TREE
- SMALL TREE / FLOWERING TREE
- LOAM AND SEED
- PAVER TYPE A (NON WALKABLE) (GRANITE COBBLE PATTERN)
- PAVER TYPE B (WALKABLE) (RUNNING BOND PATTERN)
- PAVER TYPE C (WALKABLE) (SEE PLAN FOR PATTERN)
- PROP. CEM. CONC. SIDEWALK/ SHARED-USE PATH/DRIVEWAY
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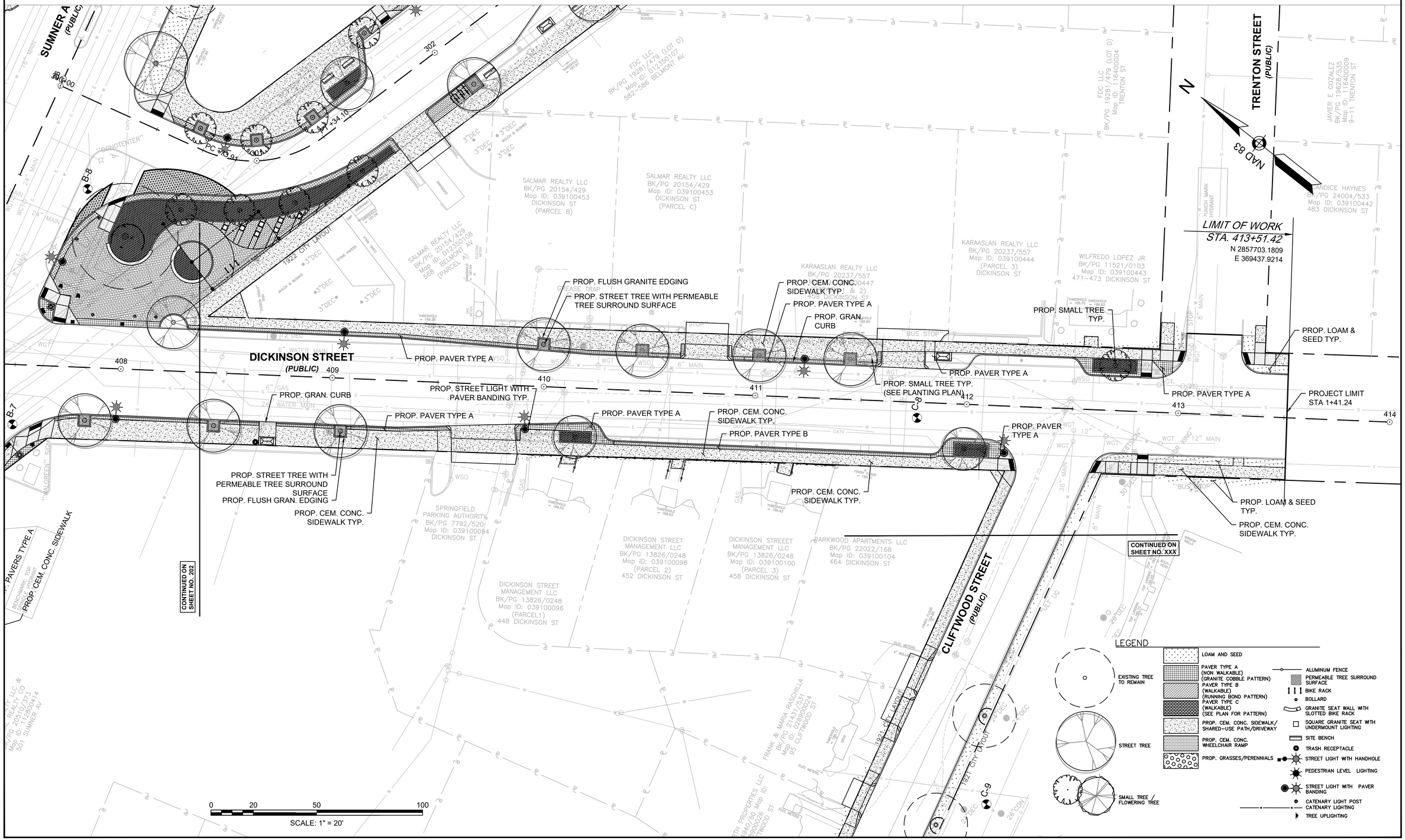
- PROP. GRASSES/PERENNIALS
- ALUMINUM FENCE
- PERMEABLE TREE SURROUND SURFACE
- BIKE RACK
- BOLLARD
- GRANITE SEAT WALL WITH SLOTTED BIKE RACK
- SQUARE GRANITE SEAT WITH UNDERMOUNT LIGHTING
- SITE BENCH
- TRASH RECEPTACLE
- STREET LIGHT WITH HANDHOLE
- PEDESTRIAN LEVEL LIGHTING
- STREET LIGHT WITH PAVER BANDING
- CATENARY LIGHT POST CATENARY LIGHTING
- TREE UPLIGHTING

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	210	358
PROJECT FILE NO.	608717		

STREETSCAPE PLANS



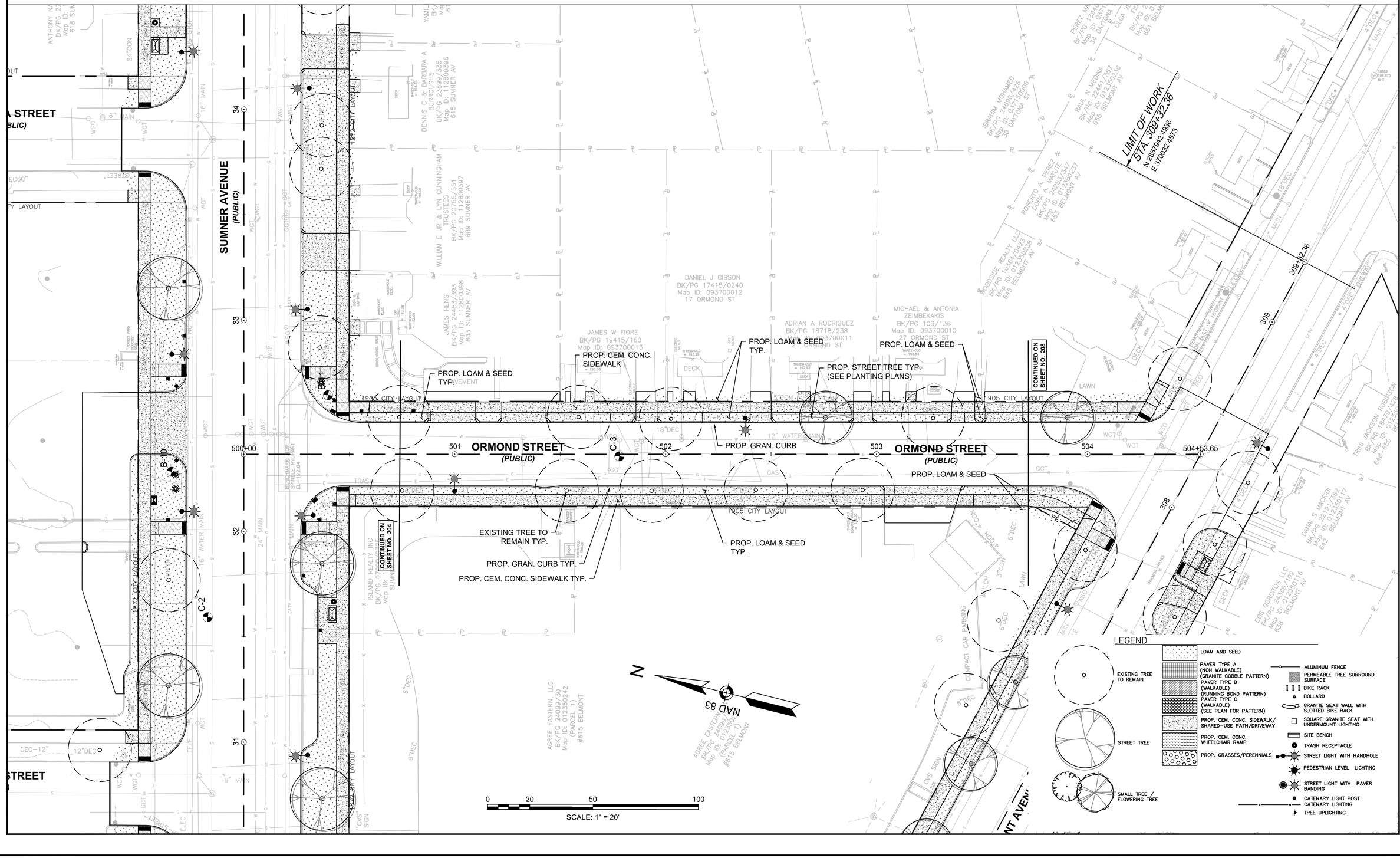
20121457A70_LND01.DWG Plotted on 5-May-2023 3:44 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	211	358
	PROJECT FILE NO.	608717	

STREETSCAPE PLANS

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS



20121457A70_LND01.DWG Plotted on 5-May-2023 3:44 PM

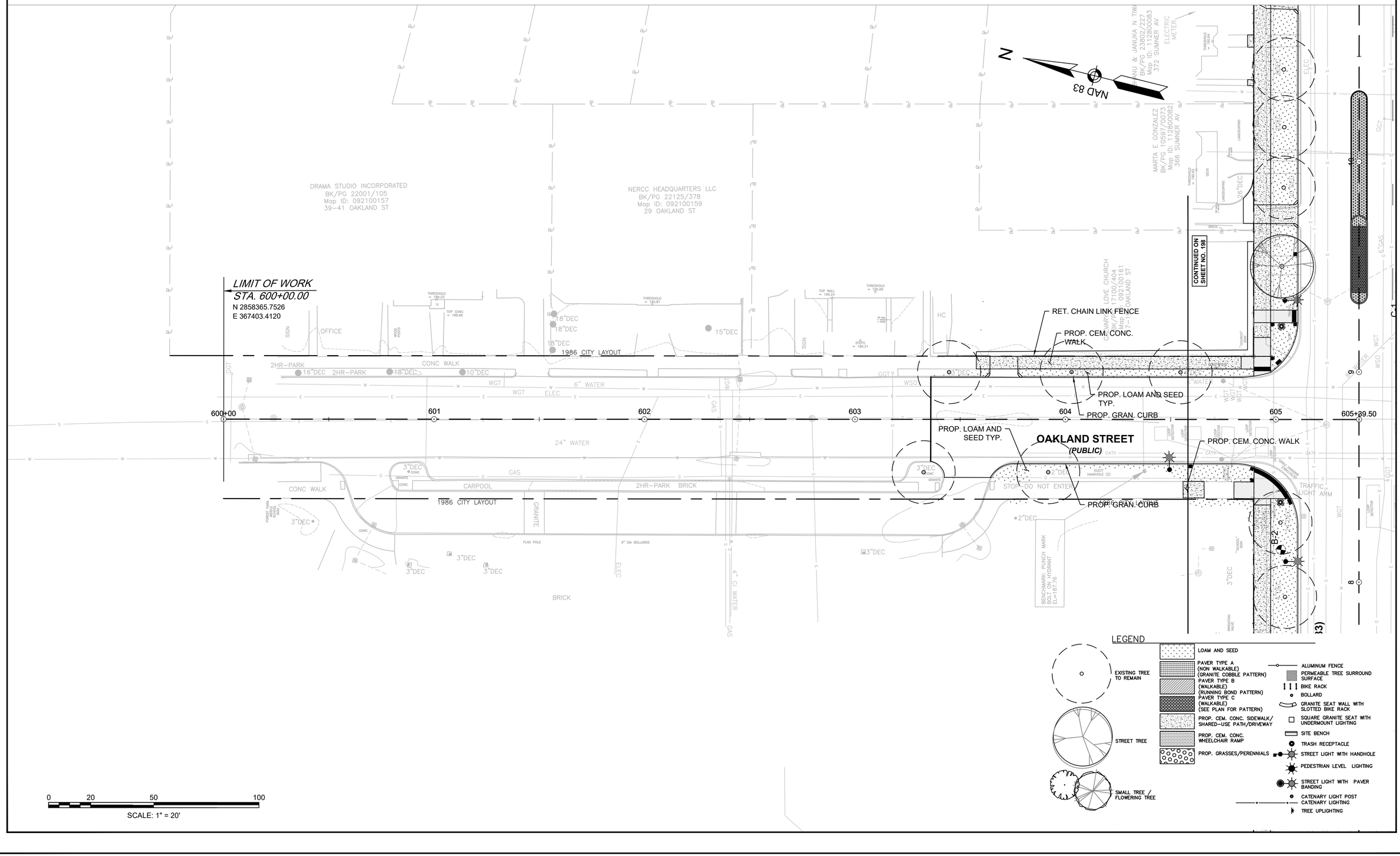
NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	212	358
	PROJECT FILE NO.	608717	

STREETSCAPE PLANS

20121457A70_LND01.DWG Plotted on 5-May-2023 3:44 PM

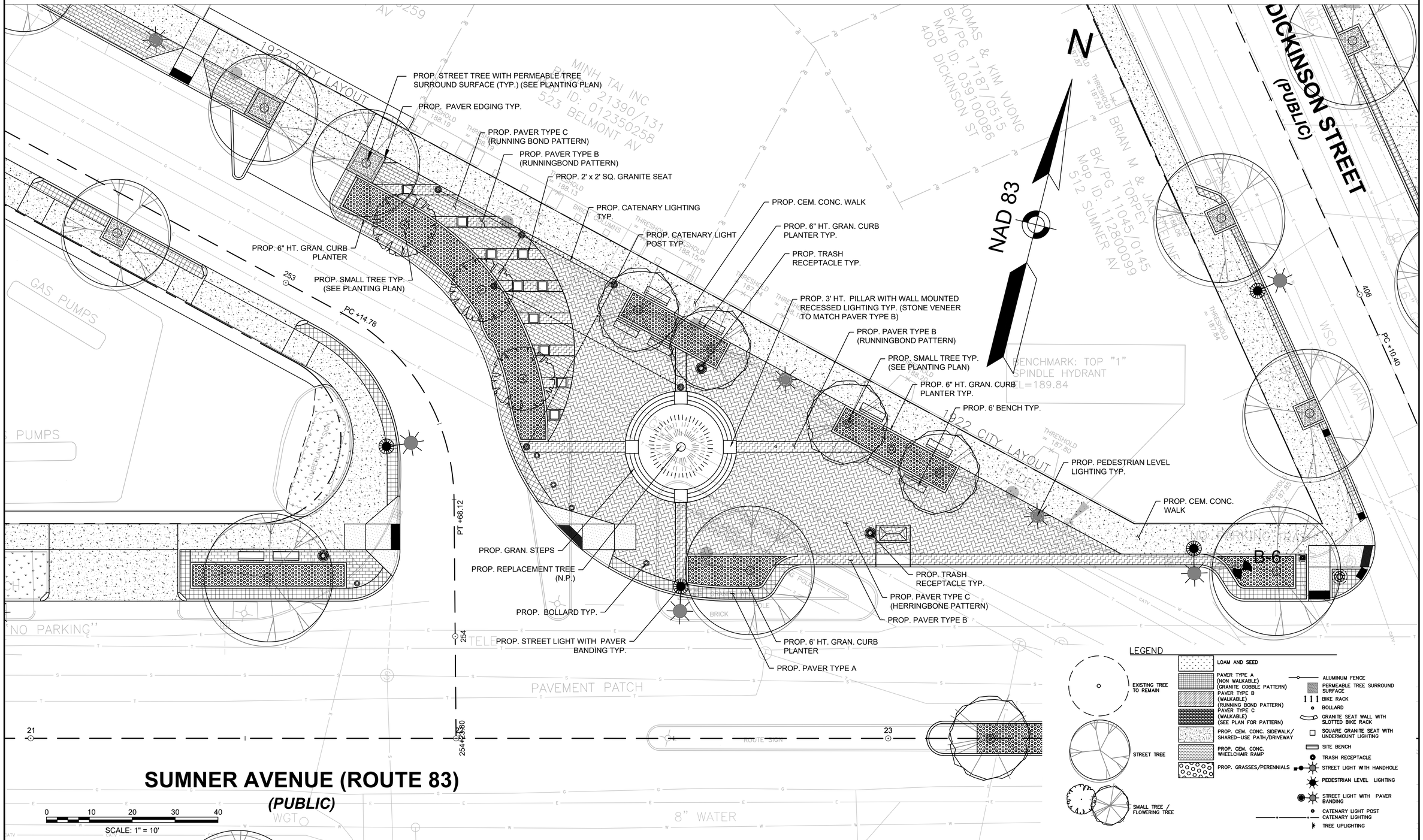


NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	213	358
PROJECT FILE NO.	608717		

STREETSCAPE PLANS



20121457A70_LND01.DWG Plotted on 5-May-2023 3:45 PM

NOTE: SEE UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF EXISTING AND PROPOSED UTILITIES SHOWN IN STREETSCAPE PLANS

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXX(XXX)X	214	358
	PROJECT FILE NO. 608717		

STREETSCAPE PLANS

SUMNER AVENUE
(PUBLIC)

PROP. PAVER TYPE A TYP.
PROP. PAVER TYPE C TYP. (HERRINGBONE PATTERN)
PROP. BOLLARD TYP.
PROP. STREET LIGHT WITH PAVER BANDING TYP.
PROP 18" HT. GRANITE SEAT WALL
EXISTING SPECIMEN TREE TO REMAIN
B-8
B-7
PROP. TREE UPLIGHTING TYP.
PROP 18" HT. GRANITE SEAT WALL
PROP. PAVER TYPE A
PROP. 6" HT. GRAN. CURB PLANTER
PROP. FLUSH GRAN. EDGING
PROP. STREET TREE
PROP. PAVERS TYPE C
PROP. FLUSH GRANITE CURB
PROP. CATENARY LIGHTING TYP.
PROP. GRAN. CURB
PROP. SMALL TREE TYP. (SEE PLANTING PLAN)
PROP. CEM. CONC. WALK TYP.
PROP. CATENARY LIGHTING POST TYP.
PROP. PAVER TYPE B TYP.
PROP. 2' x 2' SQ. GRANITE SEAT (TYP.)
PROP. PAVER TYPE C TYP. (RUNNING BOND PATTERN)
PROP. 6" HT. GRAN. CURB PLANTER

DICKINSON STREET
(PUBLIC)

N
NAD 83

0 10 20 30 40
SCALE: 1" = 10'

RICHARD P CROWLEY
JOHN BONAVITA &
CAROL SLATE
TRUSTEES
BK/PG 17485/016
Map ID: 01235025
(PARCEL 2)
585 BELMONT AV

LEGEND

- LOAM AND SEED
- PAVER TYPE A (NON WALKABLE) (GRANITE COBBLE PATTERN)
- PAVER TYPE B (WALKABLE) (RUNNING BOND PATTERN)
- PAVER TYPE C (WALKABLE) (SEE PLAN FOR PATTERN)
- PROP. CEM. CONC. SIDEWALK/ SHARED-USE PATH/DRIVEWAY
- PROP. CEM. CONC. WHEELCHAIR RAMP
- PROP. GRASSES/PERENNIALS
- EXISTING TREE TO REMAIN
- STREET TREE
- SMALL TREE / FLOWERING TREE
- ALUMINUM FENCE
- PERMEABLE TREE SURROUND SURFACE
- BIKE RACK
- BOLLARD
- GRANITE SEAT WALL WITH SLOTTED BIKE RACK
- SQUARE GRANITE SEAT WITH UNDERMOUNT LIGHTING
- SITE BENCH
- TRASH RECEPTACLE
- STREET LIGHT WITH HANDHOLE
- PEDESTRIAN LEVEL LIGHTING
- STREET LIGHT WITH PAVER BANDING
- CATENARY LIGHT POST CATENARY LIGHTING
- TREE UPLIGHTING

20121457A70_LND01.DWG Plotted on 5-May-2023 3:45 PM

ELECTRICAL LEGEND

* MOUNTING HEIGHTS SHALL BE AS INDICATED UNLESS SHOWN OTHERWISE ON ELECTRICAL DRAWINGS
* ALL SYMBOLS MAY NOT BE SHOWN ON PLANS

—— E —— (1) 1" (UNLESS OTHERWISE INDICATED) UNDERGROUND ELECTRICAL DIRECT BURIED CONDUIT.

—— D —— (1) 2" (UNLESS OTHERWISE INDICATED) UNDERGROUND TEL/DATA/SECURITY DIRECT BURIED CONDUIT.

HH HANDHOLE.

STUB UP FOR CONDUIT. PROVIDE WEATHERPROOF CAP OR SEAL AS REQUIRED.

J JUNCTION BOX, SIZED PER NEC

UTILITY POLE

PC PHOTO-CELL

ϕ^2 DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICE, WITH WEATHER PROOF COVER. "2" DENOTES CIRCUIT NUMBER.

ABBREVIATIONS

3R	NEMA 3R RATING
4X	NEMA 4X RATING
A	AMPERES
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
C/B	CIRCUIT BREAKER
CAT	CATALOG
CKT	CIRCUIT
CU	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
G	GROUND
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
HVAC	HEATING, VENTILATION, AIR CONDITIONING CONTRACTOR
KVA	KILOVOLT-AMPERES
KW	KILOWATTS
MCB	MAIN CIRCUIT BREAKER
NEC	NATIONAL ELECTRICAL CODE
NTS	NOT TO SCALE
ø	PHASE
P	POLE
PNL	PANELBOARD
UOI	UNLESS OTHERWISE INDICATED
V	VOLT
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER

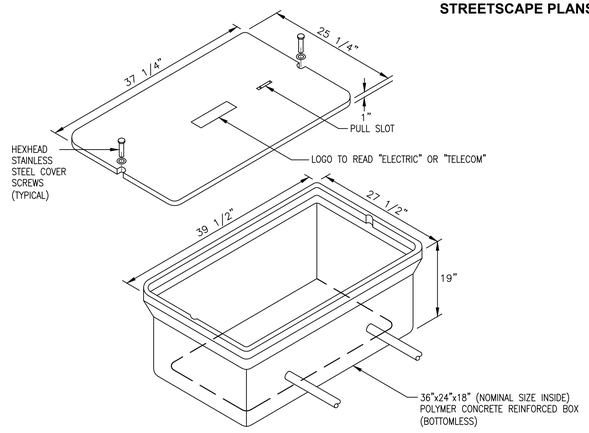
GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND THE LATEST LOCAL AND STATE REQUIREMENTS.
2. ADDITIONAL JUNCTION BOXES AND HANDHOLES SHALL BE FURNISHED AND INSTALLED AS REQUIRED.
3. ALL CONDUITS SHALL CONTAIN A GREEN SAFETY GROUND WIRE. BOND ALL PANELS, CABINETS, ENCLOSURES, CONDUITS, ETC., AS REQUIRED.
4. WHERE CONDUITS ARE NOT IDENTIFIED, THEY SHALL BE 3/4"WITH 2#12, 1#12 GROUND.
5. RECEPTACLE, LIGHT FIXTURE AND POWER BRANCH CIRCUIT WIRING MAY NOT BE SHOWN BUT SHALL BE PROVIDED AS REQUIRED. MINIMUM WIRING SHALL BE 3/4"C-2#12, 1#12 GROUND. NO MORE THAN THREE PHASES MAY BE COMBINED IN A SINGLE HOMERUN AND EACH PHASE SHALL BE PROVIDED WITH AN INDIVIDUAL NEUTRAL.
6. BRANCH CIRCUIT WIRING SHALL BE MINIMUM 3/4"C-2#12, 1#12 GND. BRANCH CIRCUIT WIRING AND HOMERUNS WITH LENGTHS EXCEEDING 90 FEET SHALL USE #10 AWG, THOSE EXCEEDING 140 FEET SHALL USE #8 AWG CONDUCTORS, UNLESS OTHERWISE INDICATED.
7. GREEN GROUND CONDUCTOR NOT INDICATED BUT SHALL BE INCLUDED IN EACH RACEWAY. SIZE SHALL BE #12AWG UNLESS INDICATED OTHERWISE.
8. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
9. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
10. ALL SWITCH CONTROLS SHALL BE PROVIDED WITH WIRING AND CONDUIT AS REQUIRED.
11. ALTHOUGH ALL BRANCH CIRCUIT WIRING AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
12. A GREEN GROUNDING CONDUCTOR SHALL BE RUN WITH ALL CIRCUITS. VERIFY CONDUIT SIZE TO ENSURE IT CAN ACCOMMODATE ALL PHASE, NEUTRAL AND GROUND CONDUCTORS.
13. PROVIDE A NEUTRAL CONDUCTOR TO ALL LIGHTING SWITCH BOXES PER NEC ARTICLE 404.2.
14. ALL 15A AND 20A, 125V RECEPTACLES SHALL BE GFCI PROTECTED PER NEC ARTICLE 210.8(B).

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	215	358
	PROJECT FILE NO. 608717		

STREETSCAPE PLANS - PLAZA LIGHTING



NOTE:
1. PROVIDE CONDUIT HUBS AS FOR ALL CONDUIT PENETRATIONS REQUIRED.
2. ELECTRIC HANDHOLE COVER TO BE STAMPED "CITY DPW LIGHTING"
3. CONFIGURATION OF CONDUIT PENETRATIONS PER FIELD REQUIREMENTS.

1 SITE HANDHOLE "A" DETAIL
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	ITEM NUMBER	LAMPS				REMARKS
			NUMBER	TYPE	VOLTS	WATTS	
A	CANTANERY LIGHT SYSTEM FIXTURE	823.01*	MULTI	LED	120	60	
B	PILLAR MOUNTED RECESSED LIGHT FIXTURE	686.*	8	LED	120	12	
C	GROUND MOUNTED TREE UPLIGHT	821.106*	4	LED	120	13	

LIGHTING FIXTURE NOTES:

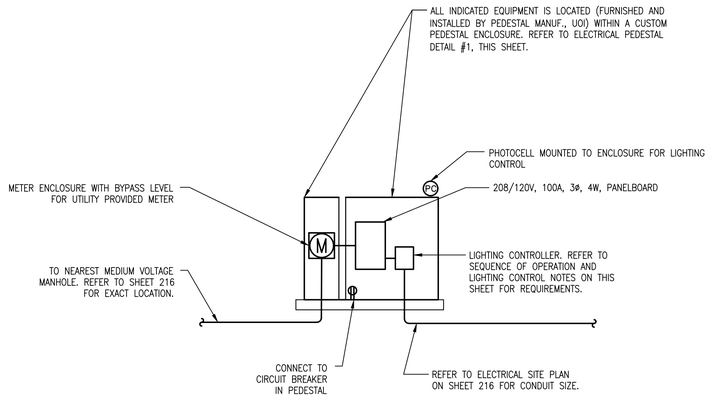
1. PROVIDE ACCESSORIES AND MOUNTING HARDWARE FOR ALL FIXTURES.
2. COLORS SHALL BE VERIFIED BY OWNER REPRESENTATIVE PRIOR TO PURCHASE.
3. COORDINATE EXACT LOCATION OF POLES AND HAND HOLES WITH CIVIL DRAWINGS.

LIGHTING CONTROL SEQUENCE OF OPERATION

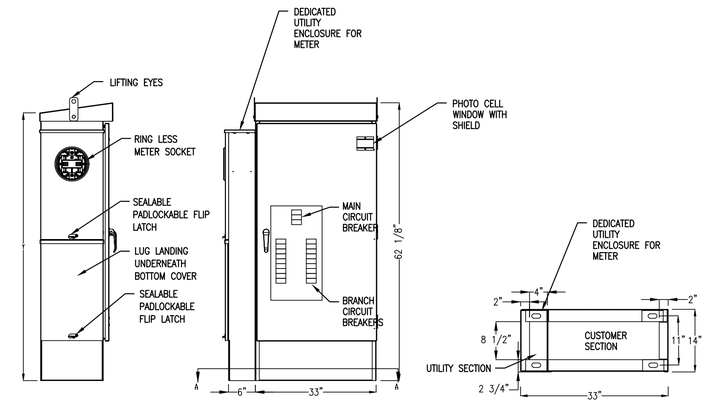
1. ALL SITE LIGHTING SHALL BE AUTOMATICALLY TURNED OFF WHEN DAYLIGHT IS PRESENT VIA PHOTOCELL.
2. ALL SITE LIGHTING SHALL BE TURNED ON VIA PHOTOCELL.
3. ALL SITE LIGHTING SHALL HAVE THE TOTAL WATTAGE OF FIXTURES AUTOMATICALLY REDUCED BY APPROXIMATELY 50% VIA SELECTIVELY SWITCHING OFF LUMINAIRES FROM MIDNIGHT TO 6AM. REFER TO SITE PLAN SL101 FOR SWITCH LEG CONFIGURATION.

SITE LIGHTING CONTROLS

1. ALL SITE LIGHTING SHALL BE CONTROLLED BY A TIME CLOCK CAPABLE OF BEING PROGRAMMED FOR 7 DAYS AND SET FOR 7 DIFFERENT DAYS PER WEEK.
2. CONTROLS SHALL ALLOW FOR AUTOMATIC HOLIDAY SETBACK FEATURE.
3. BASIS OF DESIGN: DIGITAL CONTROLS, ELC SERIES, MINIMUM OF 10 SWITCH ZONES SHALL BE PURCHASED AND INSTALLED IN ELECTRICAL PEDESTAL BY MANUFACTURER OF PEDESTAL.



3 ELECTRICAL RISER DIAGRAM
NOT TO SCALE



LEFT SIDE VIEW FRONT SIDE VIEW TOP VIEW

NOTE:
LIGHTING LOAD CENTER CABINET INCLUDES THE FOLLOWING:
1. INTEGRATED LIGHTING CONTROL (REFER TO SEQUENCE OF OPERATION AND LIGHTING CONTROL NOTES ON DWG. E001 FOR REQUIREMENTS).
2. 120/208V, 3ϕ, 4W, 100A RATED PANELBOARD
3. RAINPROOF – TYPE 3R
4. (G90) STEEL ENCLOSURE
5. PAINTED ANSI 61 GRAY
6. UL-LISTED
7. ENCLOSED INDUSTRIAL CONTROL – SUITABLE FOR USE AS SERVICE EQUIPMENT
8. SEPARATE ENCLOSURE FOR METER SOCKET AND SERVICE

2 LIGHTING LOAD CENTER CABINET
NOT TO SCALE

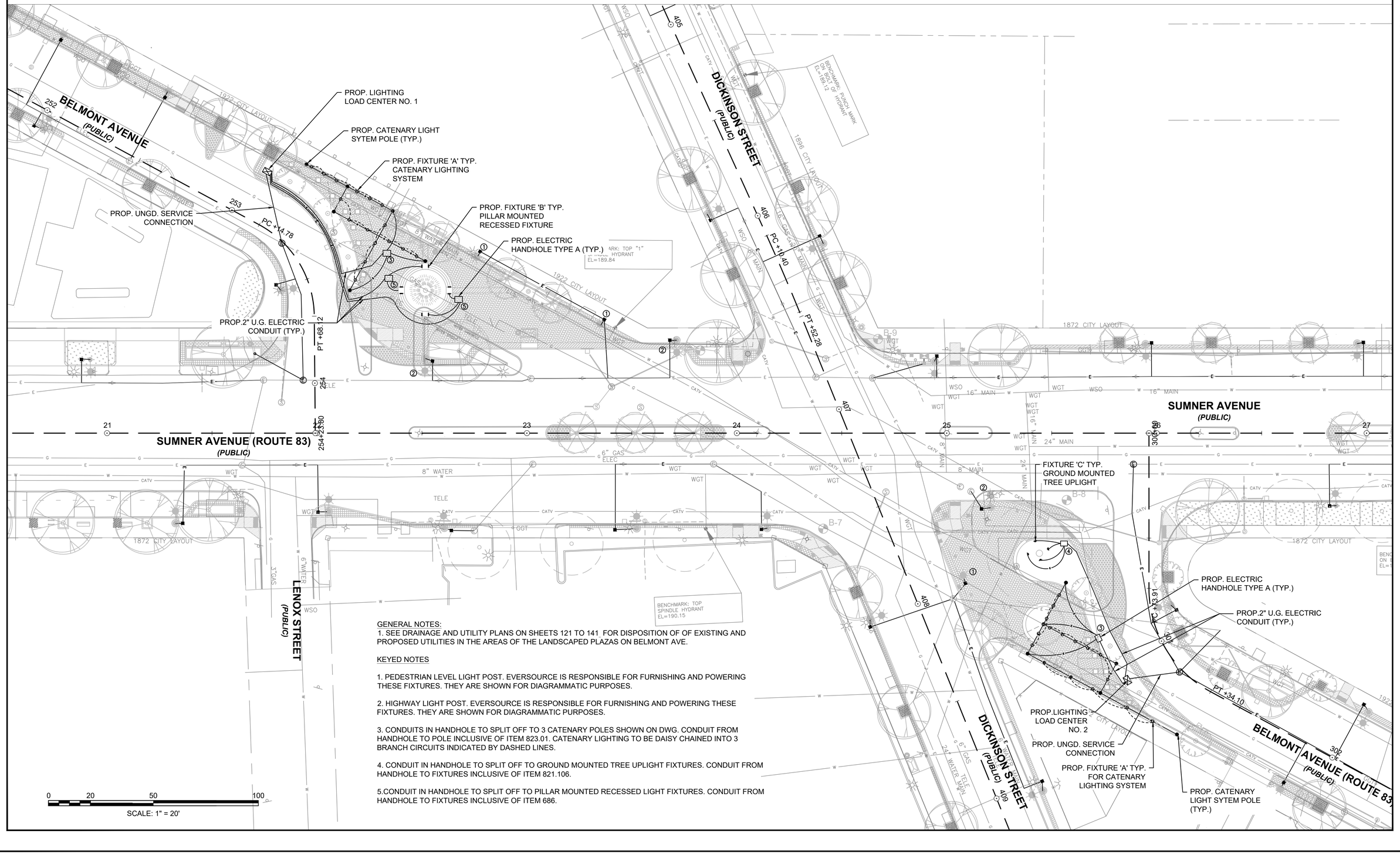
20121457A70_SL01.DWG Plotted on 5-May-2023 3:47 PM

SPRINGFIELD
THE 'X" INTERSECTION IMPROVEMENTS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XX-XXXXX(XXX)X	216	358
	PROJECT FILE NO. 608717		

STREETSCAPE PLANS - PLAZA LIGHTING

Plotted on 5-May-2023 3:47 PM
20121457A70_SL01.DWG



GENERAL NOTES:
1. SEE DRAINAGE AND UTILITY PLANS ON SHEETS 121 TO 141 FOR DISPOSITION OF OF EXISTING AND PROPOSED UTILITIES IN THE AREAS OF THE LANDSCAPED PLAZAS ON BELMONT AVE.

KEYED NOTES

1. PEDESTRIAN LEVEL LIGHT POST. EVERSOURCE IS RESPONSIBLE FOR FURNISHING AND POWERING THESE FIXTURES. THEY ARE SHOWN FOR DIAGRAMMATIC PURPOSES.

2. HIGHWAY LIGHT POST. EVERSOURCE IS RESPONSIBLE FOR FURNISHING AND POWERING THESE FIXTURES. THEY ARE SHOWN FOR DIAGRAMMATIC PURPOSES.

3. CONDUITS IN HANDHOLE TO SPLIT OFF TO 3 CATENARY POLES SHOWN ON DWG. CONDUIT FROM HANDHOLE TO POLE INCLUSIVE OF ITEM 823.01. CATENARY LIGHTING TO BE DAISY CHAINED INTO 3 BRANCH CIRCUITS INDICATED BY DASHED LINES.

4. CONDUIT IN HANDHOLE TO SPLIT OFF TO GROUND MOUNTED TREE UPLIGHT FIXTURES. CONDUIT FROM HANDHOLE TO FIXTURES INCLUSIVE OF ITEM 821.106.

5.CONDUIT IN HANDHOLE TO SPLIT OFF TO PILLAR MOUNTED RECESSED LIGHT FIXTURES. CONDUIT FROM HANDHOLE TO FIXTURES INCLUSIVE OF ITEM 686.

Table B-1
Proposed Planting Species List

KEY	BOTANICAL NAME	COMMON NAME	HT.	QTY.	SIZE
	TREES				
AC	ABIES CONCOLOR	WHITE FIR	100	1	10' HT.
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	100	6	2.5"-3" CAL.
AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	20	20	2"-2.5" CAL. (SINGLE STEM)
CC	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	35	4	2"-2.5" CAL.
GB	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	50	15	2.5"-3" CAL.
GT	GLEDITSIA TRICANTHOS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	80	1	2.5"-3" CAL.
LT	LIRIODENDRON TULIPFERA	TULIPTREE	80	7	2.5"-3" CAL.
NS	NYSSA SYLVATICA	BLACK TUPELO TREE	60	8	2.5"-3" CAL.
PA	PLANTANUS X ACERIFOLIA	LONDON PLANETREE	80	6	2.5"-3" CAL.
PS	PRUNUS SARGENTII 'COLUMNARIS'	COLUMNAR FLOWERING CHERRY	35	20	2"-2.5" CAL.
TC	TILIA CORDATA	LITTLE LEAF LINDEN	80	8	2.5"-3" CAL.
UH	ULMUS X HOMESTEAD	HOMESTEAD ELM	50	8	2.5"-3" CAL.
UAP	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	60	7	2.5"-3" CAL.
UD	ULMUS DAVIDIANA VAR. JAPONICA 'PROSPECTOR'	PROSPECTOR ELM	40	2	2.5"-3" CAL.
ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	60	5	2.5"-3" CAL.
	SHRUBS				
BM	BUXUS MICROPHYLLA VAR. JAPONICA 'GREEN GEM'	GREEN GEM BOXWOOD	3	6	3 GAL.
CS	CORNUS SERICEA 'FARROW ARCTIC FIRE'	ARCTIC FIRE RED TWIG DOGWOOD	8	2	3 GAL.
JS	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	3	98	3 GAL.
RO	ROSA 'OSO EASY' MANGO SALSA	MANGO SALSA LANDSCAPE ROSE	2	37	2 GAL.
TM	TAXUS X MEDIA DENSIFORMIS	DENSE SPREADING YEW	15	5	3 GAL.
	ORNAMENTAL GRASSES/PERENNIALS				
CA	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	4	111	1 GAL.
CT	CAREX STRICTA	TUSSOCK SEDGE	2	96	1 GAL.
EP	ECHINACEA PURPUREA 'POW WOW WILD BERRY'	POW WOW WILD BERRY ECHINACEA	2	36	1 GAL.
HH	HEMEROCALLIS 'BELA LUGOSI'	BELA LUGOSI DAYLILY	2	89	1 GAL.
HH2	HEMEROCALLIS 'STELLA D' ORO'	STELLA D' ORO DAYLILY	2	85	1 GAL.
PA2	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2	399	1 GAL.
RF	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK-EYED SUSAN	2	38	1 GAL.
SS	SALVIA X SYLVESTRIS 'MAINACHT'	MAY NIGHT SALVIA	3	156	1 GAL.
SA	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	2	113	1 GAL.

Appendix C

Site Photographs



Photo 1: View from intersection of Sumner Avenue and Oakland Street looking East.



Photo 2: Overview of Intersection of Sumner Avenue and Oakland Street.



Photo 3: View of Sumner Avenue looking West towards Oakland Street.



Photo 4: View from Sumner Avenue looking down Kenwood Terrace.



Photo 5: View of green buffer strip on Sumner Avenue headed East.



Photo 6: View of sidewalk between Lenox Street and Cliftwood Street.



Photo 7: View of queue approaching The X intersection eastbound.



Photo 8: Overview of sidewalk at Cumberland Farms Gas Station.



Photo 9: View of Belmont Avenue approaching Sumner Avenue.



Photo 10: Overview of Sumner Avenue's westerly approach splitting into Belmont Avenue.



Photo 11: View of Sumner Avenue heading West towards The X.



Photo 12: Overview of curb line on North side of Sumner Avenue past the X intersection.



Photo 13: Overview of Ormand Street from Sumner Avenue.



Photo 14: Overview of Ormond Street headed towards Sumner Avenue.



Photo 15: View of Sumner Avenue looking East.



Photo 16: Overview of sidewalk ramps on Ormond Street and Belmont Avenue.



Photo 17: Overview from Belmont Avenue headed northbound.



Photo 18: Overview of intersection at Belmont Avenue and Commonwealth Avenue.



Photo 19: View from Belmont Avenue entering Sumner Avenue.



Photo 20: Overview of Belmont Avenue entering Sumner Avenue headed southbound.



Photo 21: Overview of Belmont Avenue headed Northwest.



Photo 22: Overview of intersection at Belmont Avenue and Burlington Street.



Photo 23: Overview of Burlington Street from Belmont Avenue.



Photo 24: Overview of Burlington Street looking towards Dickinson Street.



Photo 25: Overview of Dickinson Street southbound towards Sumner Avenue.



Photo 26: View of electrical vault on Dickinson Street.



Photo 27: View of Dickinson Street approaching Sumner Avenue from the North.



Photo 28: Overview of Burlington Street looking towards Dickinson Street.



Photo 29: View of Dickinson Street approaching Sumner Avenue from the North.



Photo 30: View of narrow sidewalk on Cliftwood Street.



Photo 31: View of intersection of Cliftwood Street and Lenox Street.



Photo 32: View of Lenox Street approaching Sumner Avenue.

Appendix D

Distribution List

Table D-1
Expanded Environmental Notification Form and proposed Environmental Impact Report Distribution List

Agency	Email and/or Mailing Address
Massachusetts Environmental Policy Act (MEPA) Office	MEPA@mass.gov
Department of Environmental Protection, Boston Office	helena.boccadoro@mass.gov
DEP/Western Regional Office Attn: MEPA Coordinator	kathleen.fournier@mass.gov
Massachusetts Department of Transportation - Boston	MassDOTPPDU@dot.state.ma.us
MassDOT District #2	bao.lang@dot.state.ma.us; garrett.postema@dot.state.ma.us
Massachusetts Historical Commission	**The MA Archives Building** 220 Morrissey Boulevard Boston, MA 02125
Pioneer Valley Planning Commission (PVPC)	gmroux@pvpc.org and 1 hard copy to: Gary M. Roux; Principal Planner PVPC, 60 Congress Street, 1st Floor Springfield, MA 01104-3419
City of Springfield City Council	skacoyannakis@springfieldcityhall.com kmickiewicz@springfieldcityhall.com syoung@springfieldcityhall.com

Table D-1
Expanded Environmental Notification Form and proposed Environmental Impact Report Distribution List

City of Springfield Planning Board/Department	cmossi@springfieldcityhall.com jdavila-ramos@springfieldcityhall.com aallen@springfieldcityhall.com
City of Springfield Conservation Commission	cmossi@springfieldcityhall.com jdavila-ramos@springfieldcityhall.com aallen@springfieldcityhall.com
City of Springfield Department/Board of Health	wfanaselle@springfieldcityhall.com bottaviani@springfieldcityhall.com healthandhumanservices@springfieldcityhall.com
EEA Environmental Justice Director MEPA Office	MEPA-EJ@mass.gov
Department of Energy Resources	paul.ormond@mass.gov
Forest Park Civic Association	forestparkcivicassociation@gmail.com

Appendix E

Anticipated Permits

FUSS & O'NEILL

Table E-1
Anticipated Federal, State, and Local Permits, Reviews, or Approvals

Agency	Authorization
Federal	
United States Environmental Protection Agency (EPA)	NPDES Construction General Permit
Federal Highway Administration (FHWA)	4(f) Temporary Occupancy Determination
United States Fish and Wildlife Service (USFWS)	Northern Long-Eared Bat Consultation for Section 7 of the Endangered Species Act[1]
State	
Massachusetts Executive Office of Energy and Environmental Affairs (MEPA Office)	Certificate of the Secretary on the Expanded Environmental Notification Form and Environmental Impact Report
Massachusetts State Historic Preservation Officer (SHPO)/ Massachusetts Historical Commission (MHC)	Determination of No Effect[2]
Local	
City of Springfield	Public Shade Tree Removal Approval

[1]The project received a finding of No Effect on 04/24/2023.
[2]The project received a concurrence of a Section 106 finding of No-Adverse-Effect from MHC on 09/27/2022.

Appendix F

RMAT Climate Resilience Design Standards Tool Project Report

Climate Resilience Design Standards Tool Project Report

Springfield X
Date Created: 4/24/2023 3:13:36 PM
Date Report Generated: 6/19/2023 2:18:23 PM
Project Contact Information: Chelsea Zakas (czakas@fando.com)

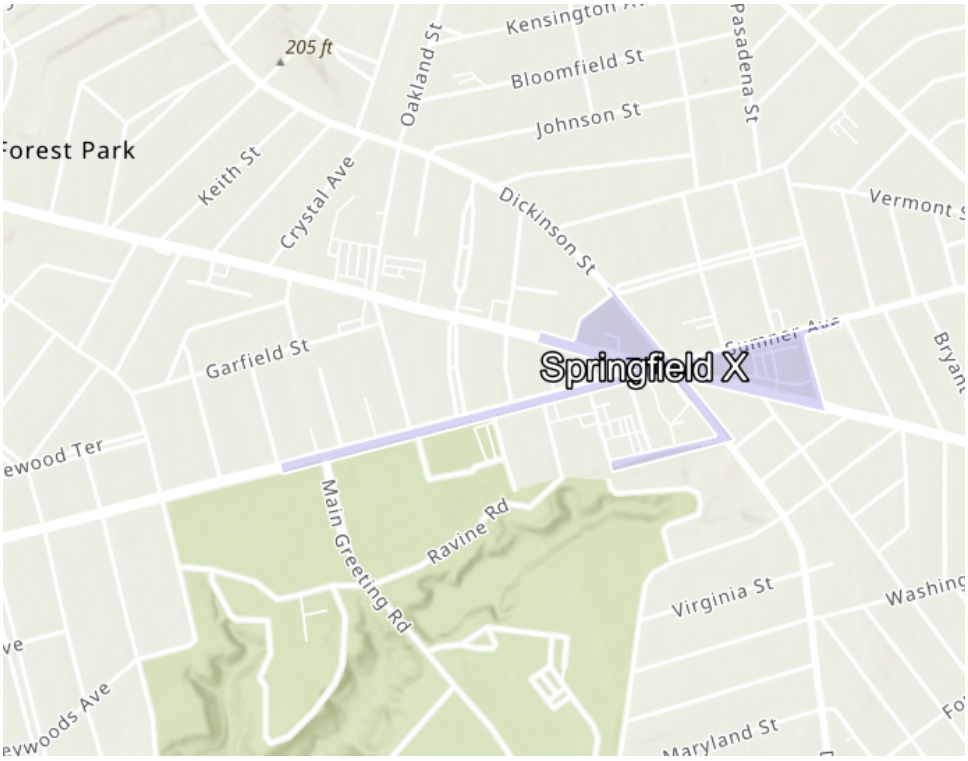
Created By: czakas@fando.com
Tool Version: Version 1.2

Project Summary

Link to Project

Estimated Capital Cost: $13000000.00
End of Useful Life Year: 2054
Project within mapped Environmental Justice neighborhood: Yes

Ecosystem Service Benefits	Scores
Project Score	Low
Exposure	**Scores**
Sea Level Rise/Storm Surge	Not Exposed
Extreme Precipitation - Urban Flooding	High Exposure
Extreme Precipitation - Riverine Flooding	Not Exposed
Extreme Heat	High Exposure



Asset Preliminary Climate Risk Rating Summary

Number of Assets: 1

Asset Risk	Sea Level Rise/Storm Surge	Extreme Precipitation - Urban Flooding	Extreme Precipitation - Riverine Flooding	Extreme Heat
Roads	Low Risk	High Risk	Low Risk	High Risk

Climate Resilience Design Standards Summary

	Target Planning Horizon	Intermediate Planning Horizon	Percentile	Return Period	Tier
Sea Level Rise/Storm Surge					
Roads					
Extreme Precipitation					
Roads	2050			50-yr (2%)	Tier 3
Extreme Heat					
Roads	2050		90th		Tier 3

Scoring Rationale - Project Exposure Score

The purpose of the Exposure Score output is to provide a preliminary assessment of whether the overall project site and subsequent assets are exposed to impacts of natural hazard events and/or future impacts of climate change. For each climate parameter, the Tool will calculate one of the following exposure ratings: Not Exposed, Low Exposure, Moderate Exposure, or High Exposure. The rationale behind the exposure rating is provided below.

Sea Level Rise/Storm Surge

This project received a "Not Exposed" because of the following:

- Not located within the predicted mean high water shoreline by 2030
- No historic coastal flooding at project site
- Not located within the Massachusetts Coast Flood Risk Model (MC-FRM)

Extreme Precipitation - Urban Flooding

This project received a "High Exposure" because of the following:

- Increased impervious area
- Maximum annual daily rainfall exceeds 10 inches within the overall project's useful life
- Existing impervious area of the project site is greater than 50%
- No historic flooding at project site

Extreme Precipitation - Riverine Flooding

This project received a "Not Exposed" because of the following:

- No historic riverine flooding at project site
- The project is not within a mapped FEMA floodplain [outside of the Massachusetts Coast Flood Risk Model (MC-FRM)]
- Project is more than 500ft from a waterbody
- Project is not likely susceptible to riverine erosion

Extreme Heat

This project received a "High Exposure" because of the following:

- Not located within 100 ft of existing water body
- Increased impervious area
- Existing trees are being removed as part of the proposed project
- Existing impervious area of the project site is greater than 50%
- 10 to 30 day increase in days over 90 deg. F within project's useful life

Scoring Rationale - Asset Preliminary Climate Risk Rating

A Preliminary Climate Risk Rating is determined for each infrastructure and building asset by considering the overall project Exposure Score and responses to Step 4 questions provided by the user in the Tool. Natural Resource assets do not receive a risk rating. The following factors are what influenced the risk ratings for each asset.

Asset - Roads

Primary asset criticality factors influencing risk ratings for this asset:

- Asset can be inaccessible/inoperable more than a week after natural hazard event without consequences
- Loss/inoperability of the asset would have impacts limited to local area and/or municipality
- The infrastructure provides services to populations that reside within Environmental Justice neighborhoods or climate vulnerable populations.
- Infrastructure functions as an evacuation route during emergencies
- Cost to replace is between $10 million and $30 million
- There are no hazardous materials in the asset

Project Climate Resilience Design Standards Output

Climate Resilience Design Standards and Guidance are recommended for each asset and climate parameter. The Design Standards for each climate parameter include the following: recommended planning horizon (target and/or intermediate), recommended return period (Sea Level Rise/Storm Surge and Precipitation) or percentile (Heat), and a list of applicable design criteria that are likely to be affected by climate change. Some design criteria have numerical values associated with the recommended return period and planning horizon, while others have tiered methodologies with step-by-step instructions on how to estimate design values given the other recommended design standards.

Asset: Roads — Infrastructure

Sea Level Rise/Storm Surge — Low Risk

Applicable Design Criteria

Projected Tidal Datums: NOT APPLICABLE

Projected Water Surface Elevation: NOT APPLICABLE

Projected Wave Action Water Elevation: NOT APPLICABLE

Projected Wave Heights: NOT APPLICABLE

Projected Duration of Flooding: NOT APPLICABLE

Projected Design Flood Velocity: NOT APPLICABLE

Projected Scour & Erosion: NOT APPLICABLE

Extreme Precipitation — High Risk

Target Planning Horizon: 2050
Return Period: 50-yr (2%)

LIMITATIONS: The recommended Standards for Total Precipitation Depth & Peak Intensity are determined by the user drawn polygon and relationships as defined in the Supporting Documents. The projected Total Precipitation Depth values provided through the Tool are based on the climate projections developed by Cornell University as part of EEA's Massachusetts Climate and Hydrologic Risk Project, GIS-based data as of 10/15/21. For additional information on the methodology of these precipitation outputs, see Supporting Documents.

While Total Precipitation Depth & Peak Intensity for 24-hour Design Storms are useful to inform planning and design, it is recommended to also consider additional longer- and shorter-duration precipitation events and intensities in accordance with best practices. Longer-duration, lower-intensity storms allow time for infiltration and reduce the load on infrastructure over the duration of the storm. Shorter-duration, higher-intensity storms often have higher runoff volumes because the water does not have enough time to infiltrate infrastructure systems (e.g., catch basins) and may overflow or back up during such storms, resulting in flooding. In the Northeast, short-duration high intensity rain events are becoming more frequent, and there is often little early warning for these events, making it difficult to plan operationally. While the Tool does not provide recommended design standards for these scenarios, users should still consider both short- and long-duration precipitation events and how they may impact the asset.

The projected values, standards, and guidance provided within this Tool may be used to inform plans and designs, but they do not provide guarantees for future conditions or resilience. The projected values are not to be considered final or appropriate for construction documents without supporting engineering analyses. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence

Applicable Design Criteria

Tiered Methodology: Tier 3

Projected Total Precipitation Depth & Peak Intensity for 24-hr Design Storms: APPLICABLE

Asset Name	Recommended Planning Horizon	Recommended Return Period (Design Storm)	Projected 24-hr Total Precipitation Depth (inches)	Step-by-Step Methodology for Peak Intensity
Roads	2050	50-Year (2%)	8.7	Downloadable Methodology PDF

Projected Riverine Peak Discharge & Peak Flood Elevation: NOT APPLICABLE

Extreme Heat — High Risk

Target Planning Horizon: 2050
Percentile: 90th Percentile

Applicable Design Criteria

Tiered Methodology: Tier 3

Projected Annual/Summer/Winter Average Temperatures: APPLICABLE
Methodology to Estimate Projected Values : Tier 3

Projected Heat Index: APPLICABLE
Methodology to Estimate Projected Values : Tier 3

Projected Growing Degree Days: NOT APPLICABLE

Projected Days Per Year With Max Temp > 95°F, >90°F, <32°F: APPLICABLE
Methodology to Estimate Projected Values : Tier 3

Projected Number of Heat Waves Per Year & Average Heat Wave Duration: APPLICABLE
Methodology to Estimate Projected Values : Tier 3

Projected Cooling Degree Days & Heating Degree Days (base = 65°F): NOT APPLICABLE

Project Inputs

Core Project Information

Name:	Springfield X
Given the expected useful life of the project, through what year do you estimate the project to last (i.e. before a major reconstruction/renovation)?	2054
Location of Project:	Springfield
Estimated Capital Cost:	$13,000,000
Who is the Submitting Entity?	Private Other Fuss & O'Neill, Inc. Chelsea Zakas (czakas@fando.com)
Is this project being submitted as part of a state grant application?	No
Which grant program?	
What stage are you in your project lifecycle?	Permitting
Is climate resiliency a core objective of this project?	No
Is this project being submitted as part of the state capital planning process?	No
Is this project being submitted as part of a regulatory review process or permitting?	Yes
Brief Project Description:	The "X" reconstruction project will extend 0.6 miles along Sumner Avenue from the Forest Park Main Greeting Road to Daytona Street, Belmont Avenue, and Dickinson Street. This area currently offers limited pedestrian and bicycle connections and lacks common way-finding signage. The reconstruction project will involve the upgrading of traffic signals, the formalizing of pedestrian crossings, and the addition of sidewalks, turning lanes, bicycle accommodations and stormwater facilities, with the goal of improving corridor safety and increasing economic development opportunities for nearby businesses. Anticipated permits include the Certificate of the Secretary on the Expanded Environmental Notification Form and Environmental Impact Report from the MEPA Office and a NPDES Construction General Permit from the United States Environmental Protection Agency (EPA).
Project Submission Comments:	

Project Ecosystem Service Benefits

No Ecosystem Service Benefits are provided by this project

Factors to Improve Output

- ✓ Incorporate strategies that reduce carbon emissions
- ✓ Incorporate nature-based solutions that improve water quality
- ✓ Incorporate nature-based solutions that sequester carbon carbon
- ✓ Incorporate vegetation that provides pollinator habitat
- ✓ Provide opportunities for passive and/or active recreation through open space
- ✓ Mitigate atmospheric greenhouse gas concentrations and other toxic air pollutants through nature-based solutions

Is the primary purpose of this project ecological restoration?

No

Project Benefits

Provides flood protection through nature-based solutions	No
Reduces storm damage	No
Recharges groundwater	No
Protects public water supply	No
Filters stormwater using green infrastructure	No
Improves water quality	Maybe
Promotes decarbonization	Maybe
Enables carbon sequestration	Maybe
Provides oxygen production	No
Improves air quality	Maybe
Prevents pollution	No
Remediates existing sources of pollution	No
Protects fisheries, wildlife, and plant habitat	No
Protects land containing shellfish	No
Provides pollinator habitat	Maybe
Provides recreation	Maybe
Provides cultural resources/education	No

Project Climate Exposure

Is the primary purpose of this project ecological restoration?	No
Does the project site have a history of coastal flooding?	No
Does the project site have a history of flooding during extreme precipitation events (unrelated to water/sewer damages)?	Unsure
Does the project site have a history of riverine flooding?	Unsure
Does the project result in a net increase in impervious area of the site?	Yes
Are existing trees being removed as part of the proposed project?	Yes

Project Assets

Asset: Roads
Asset Type: Transportation
Asset Sub-Type: Roads (highway)
Construction Type: Major Repair/Retrofit
Construction Year: 2024
Useful Life: 30

Identify the length of time the asset can be inaccessible/inoperable without significant consequences.
Infrastructure may be inaccessible/inoperable more than a week after natural hazard event without consequences.

Identify the geographic area directly affected by permanent loss or significant inoperability of the infrastructure.
Impacts would be limited to local area and/or municipality

Identify the population directly served that would be affected by the permanent loss or significant inoperability of the infrastructure.
Less than 10,000 people

Identify if the infrastructure provides services to populations that reside within Environmental Justice neighborhoods or climate vulnerable populations.
The infrastructure provides services to populations that reside within Environmental Justice neighborhoods or climate vulnerable populations.

Will the infrastructure reduce the risk of flooding?
No

If the infrastructure became inoperable for longer than acceptable in Question 1, how, if at all, would it be expected to impact people's health and safety?
Inoperability of the infrastructure would not be expected to result in injuries

If there are hazardous materials in your infrastructure, what are the extents of impacts related to spills/releases of these materials?
There are no hazardous materials in the infrastructure

If the infrastructure became inoperable for longer than acceptable in Question 1, what are the impacts on other facilities, assets, and/or infrastructure?
Moderate – Inoperability may impact other facilities, assets, or buildings, but cascading impacts do not affect the ability of other facilities, assets, or buildings to operate

If the infrastructure was damaged beyond repair, how much would it approximately cost to replace?
Between $10 million and $30 million

Does the infrastructure function as an evacuation route during emergencies? This question only applies to roadway projects.
Yes

If the infrastructure became inoperable for longer than acceptable in Question 1, what are the environmental impacts related to natural resources?
No impact on surrounding natural resources is expected

If the infrastructure became inoperable for longer than acceptable in Question 1, what are the impacts to government services (i.e. the infrastructure is not able to serve or operate its intended users or function)?
Loss of infrastructure is not expected to reduce the ability to maintain government services

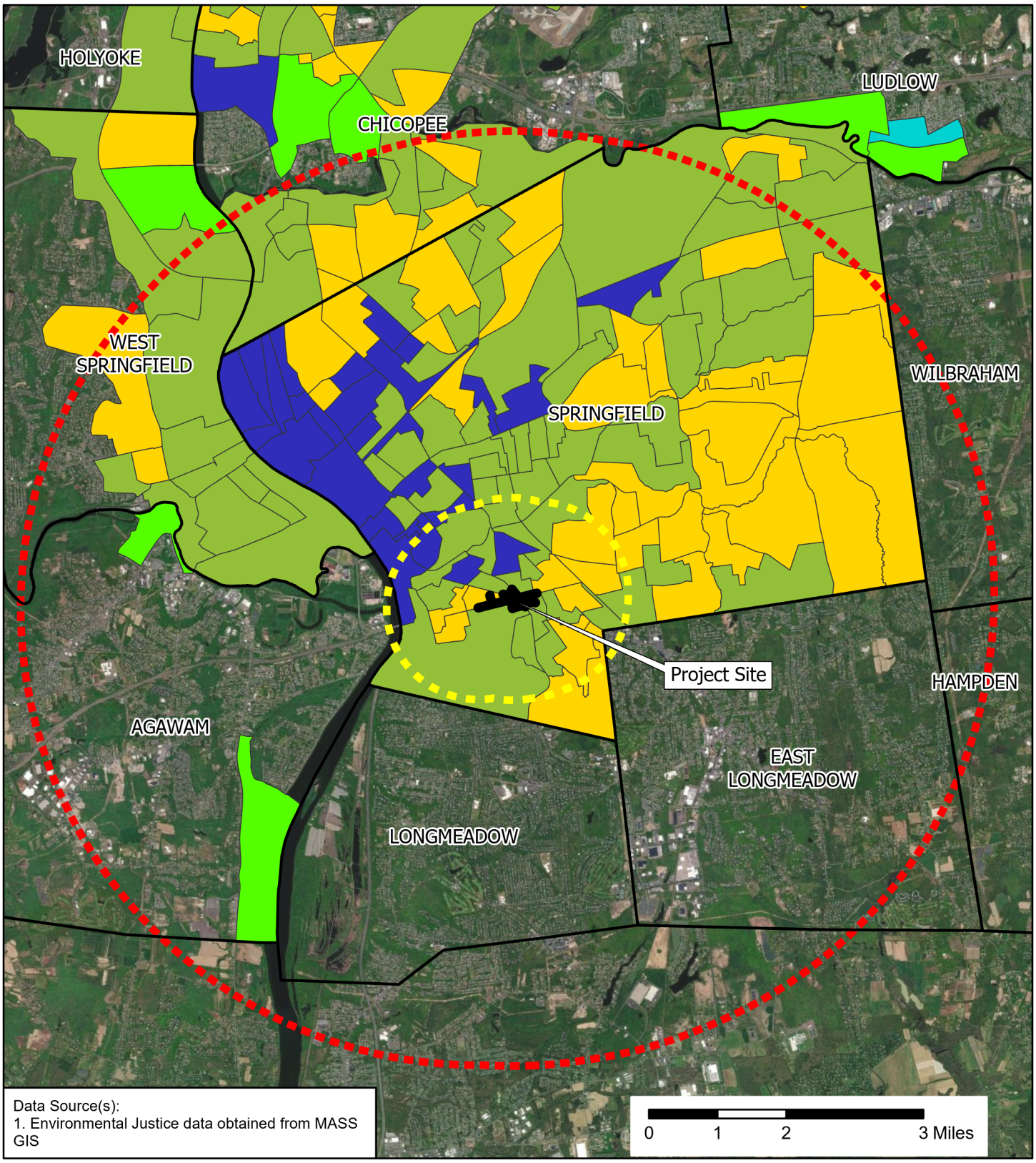
What are the impacts to loss of confidence in government resulting from loss of infrastructure functionality (i.e. the infrastructure asset is not able to serve or operate its intended users or function)?
Reduced morale and public support

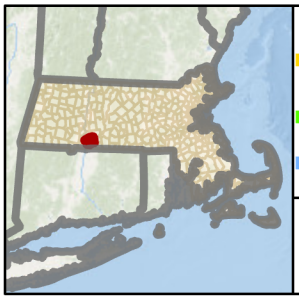
Report Comments

N/A

Appendix G

Environmental Justice Population Information





EJ 2020

Minority: the block group minority population is >= 40%, or the block group minority population is >= 25% and the median household income of the municipality the block group is in is < 150% of the Massachusetts median household income

Income: at least 25% of households have a median household income 65% or less than the state median household income

Language isolation: 25% or more of households do not include anyone older than 14 who speaks English very well

Minority and income

Minority and English isolation

Income and English isolation

Minority, income and English isolation

5-mile Project Site Radius

1-mile Project Site Radius

N

Disclaimer: This map is not the product of a Professional Land Survey. It was created by Fuss & O'Neill, Inc. for general reference, informational, planning and guidance use, and is not a legally authoritative source as to location of natural or manmade features. Proper interpretation of this map may require the assistance of appropriate professional services. Fuss & O'Neill, Inc. makes no warrantee, express or implied, related to the spatial accuracy, reliability, completeness, or currentness of this map.

Environmental Justice Map

Reconstruction of Sumner Avenue at Dickinson Street and Belmont Avenue (The "X")

Springfield MA

FUSS & O'NEILL
1550 Main Street, Suite 400
Springfield, MA 01103
413.452.0445| www.fando.com

Figure #3

Folder: K:\P2020\0127\E10\MXD\ Project: SpringfieldX_EJ and EnvironmentalConstraints Layout: EnvJustice_Std_8.5x11_Portrait1 Map: Main Data Frame Map Frame
Date Exported: 4/17/2023 4:20 PM User: czakas Date Saved: 4/17/2023 4:18 PM

Environmental Justice Screening Form

Project Name	Reconstruction of Sumner Avenue at Dickinson Street and Belmont Avenue (The "X")
Anticipated Date of MEPA Filing	June 2023
Proponent Name	City of Springfield c/o Christopher M. Cignoli, P.E. Director of Public Works 70 Tapley Street Springfield, MA 01104
Contact Information (e.g., consultant)	April Doroski, PWS, CPSS - adoroski@fando.com with Fuss & O'Neill, Inc.
Public website for project or other physical location where project materials can be obtained (if available)	Additional project material may be requested by email using the contact information above. Project updates will be provided on: • The City of Springfield DPW Projects website for "The X" at https://www.springfield-ma.gov/dpw/dpw-projects/projects-in-design-phase/the-x • The City of Springfield DPW Facebook page • Via flyer at the Springfield City Library: Forest Park Branch
Municipality and Zip Code for Project (if known)	Springfield, MA, 01108
Project Type* (list all that apply)	Transportation – Roadways/Transit
Is the project site within a mapped 100-year FEMA flood plain? Y/N/ unknown	No
Estimated GHG emissions of conditioned spaces (click **here** for GHG Estimation tool)	Not applicable (this project does not involve any conditioned spaces)

Project Description

1. Provide a brief project description, including overall size of the project site and square footage of proposed buildings and structures if known.

   - The "X" reconstruction project will extend 0.6 miles along Sumner Avenue from the Forest Park Main Greeting Road to Daytona Street, Belmont Avenue, and Dickinson Street. This area currently offers limited pedestrian and bicycle connections and lacks common way-finding signage. The reconstruction project will involve the upgrading of traffic signals, the formalizing of pedestrian crossings, and the addition of sidewalks, turning lanes, bicycle accommodations and stormwater facilities, with the goal of improving corridor safety and increasing economic development opportunities for nearby businesses.
   - In the MEPA filing, the Proponent will be requesting that the Secretary allow a Rollover Environmental Impact Report (EIR) to streamline review. It is anticipated that the traditional 30-day comment public period for this submittal will be extended to allow additional time for

public review and a public meeting that will be held as part of the MEPA site visit.

2. List anticipated MEPA review thresholds (301 CMR 11.03) (if known)

- 301 CMR 11.03(6)(b)(2)(b) - Construction, widening or maintenance of a roadway or its right-of-way that will cut five or more living public shade trees of 14 or more inches in diameter at breast height.

3. List all anticipated state, local and federal permits needed for the project (if known)

Agency	Authorization
Federal	
United States Environmental Protection Agency (EPA)	NPDES Construction General Permit
State	
Massachusetts Executive Office of Energy and Environmental Affairs (MEPA Office)	Certificate of the Secretary on the Expanded Environmental Notification Form and Environmental Impact Report
Massachusetts State Historic Preservation Officer (SHPO)/ Massachusetts Historical Commission (MHC)	Determination of Effect
Local	
City of Springfield	Public Shade Tree Removal Approval

4. Identify EJ populations and characteristics (Minority, Income, English Isolation) within 5 miles of project site (can attach map identifying 5-mile radius from EJ Maps Viewer in lieu of narrative)

- Within 5 miles of the project site, there are 150 census block groups that meet Environmental Justice (EJ) population criteria. EJ criteria include: Minority; Income; Minority and Income; and Minority, Income, and English Isolation.
- Within 1 mile of the project site, there are 34 census block groups that meet Environmental Justice (EJ) population criteria. EJ criteria include: Minority; Minority and Income; and Minority, Income, and English Isolation.

- Please see attached map, Figure #1, identifying EJ populations and characteristics within the 5-mile radius.

5. Identify any municipality or census tract meeting the definition of "vulnerable health EJ criteria" in the DPH EJ Tool located in whole or in part within a 1 mile radius of the project site

- Within 1 mile of the project site, the municipality of the City of Springfield meets the definition of vulnerable health EJ criteria for heart attack, childhood blood lead, low birth weight, and childhood asthma.
- Within 1 mile of the project site, the municipalities of Agawam and East Longmeadow do not meet the definition of vulnerable health EJ criteria.

6. Identify potential short-term and long-term environmental and public health impacts that may affect EJ Populations and any anticipated mitigation

The proposed project will result in long term environmental and public health benefits. Reduced traffic congestion and enhanced pedestrian and bicycle amenities will result in improved air quality. The stormwater management improvements will result in improved water quality. Creating a safe, multi-modal streetscape is conducive to healthy living. The proposed project will result in temporary, construction-period impacts on air quality resulting from increased noise and the transport and operation of construction equipment. Diesel emissions resulting from transport and operation of equipment will result in a minor and temporary increase in pollution generation resulting from the project. To mitigate emissions, on and off-road idling will be restricted to the maximum extent practicable, and contractors will be encouraged to use construction equipment with engines manufactured to Tier 4 federal emission standards. To mitigate noise, contractors will be required to comply with the Springfield Noise Ordinance. Operation of equipment will be limited to between 7:00 AM and 3:30 PM from Monday to Friday.

7. Identify project benefits, including "Environmental Benefits" as defined in 301 CMR 11.02, that may improve environmental conditions or public health of the EJ population

- Project benefits include:
  - Enhanced open space through the implementation of landscaping and pocket parks
  - Increased public safety and reduced traffic congestion through road reconfiguration
  - Improved air quality through reduced traffic congestion
  - Improved stormwater management through road reconfiguration and implementation of deep sump catch basins, resulting in cleaner water
  - Increased opportunity for economic development

8. Describe how the community can request a meeting to discuss the project, and how the community can request oral language interpretation services at the meeting. Specify how to request other accommodations, including meetings after business hours and at locations near public transportation.

- A community meeting is anticipated to be held in July of 2023. Details about time and location will be provided on the City of Springfield DPW Projects website for "The X" at https://www.springfield-ma.gov/dpw/dpw-projects/projects-in-design-phase/the-x, the City of Springfield DPW Facebook page, and via flyer at the Springfield City Library: Forest Park Branch. Community members can also inquire about the community meeting by emailing April Doroski at adoroski@fando.com.
- Members of the community may request a meeting to discuss the project. For all meeting accommodations, including location and time of day, or to request language translation please inquire by emailing April Doroski at adoroski@fando.com.

Formulario de evaluación de justicia ambiental

Nombre del proyecto	Reconstrucción de la Avenida Summer, en la intersección con la calle Dickinson y la Avenida Belmont (The "X")
Fecha prevista de presentación ante MEPA	Junio 2023
Nombre del proponente	Ciudad de Springfield Christopher M. Cignoli. P.E. Director de Obras Publicas 70 Calle Tapley Springfield, MA 01104
Información de contacto (p. ej., consultor)	April Doroski, PWS, CPSS - adoroski@fando.com con Fuss & O'Neill, Inc.
Sitio web público para el proyecto u otra ubicación física donde se pueden obtener materiales del proyecto (si está disponible)	Material adicional sobre el proyecto puede ser solicitado enviando un correo a April Doroski – adoroski@fando.com Actualizaciones sobre el proyecto serán provistas través de: • La página Web del proyecto del Departamento de Obras Publicas de la Ciudad de Springfield. https://www.springfield-ma.gov/dpw/dpw-projects/projects-in-design-phase/the-x • La Página de Facebook del Departamento de Obras Publicas de la Ciudad de Springfield • Por volantes en la Librería de la Ciudad de Springfield: Sucursal de Forest Park
Municipio y código postal del proyecto (si se conoce)	Springfield, MA, 01108
Tipo de proyecto* (indique todos los que correspondan)	Transportación – Carreteras / Transito
¿Se encuentra el sitio del proyecto dentro de un terreno inundable dentro de 100 años mapeado por la FEMA? S/N/Se desconoce	No
Emisiones estimadas de GEI de los espacios acondicionados (haga clic **aquí** para acceder a la herramienta de estimación de GEI)	No Aplica (este proyecto no incluye espacios terminados)

Descripción del proyecto

1. Proporcione una breve descripción del proyecto, incluido el tamaño total del sitio del proyecto y los pies cuadrados de los edificios y estructuras propuestos, si se conocen.

    - El proyecto de reconstrucción la "X" se extenderá 0.6 millas a través de la Avenida Summer desde la calle Main Greeting hasta la calle Daytona, Belmont and Dickinson. Esta área actualmente ofrece acceso limitado para peatones y ciclistas y le hacen falta señales de

tránsito. El proyecto de reconstrucción incluirá mejoras a las señales de tránsito, la formalización de cruces peatonales, la adición de aceras, carriles para doblar, acomodaciones para bicicletas, y mejoras al sistema de agua pluviales. Con el objetivo de mejorar la seguridad del corredor e incrementar las oportunidades de desarrollo económico para los negocios cercanos.

- En la aplicación con MEPA, el proponente estará solicitando que el Secretario permita la versión simplificada de revisión para el Reporte de Impacto Ambiental (EIR). Se espera que el periodo tradicional de 30 días para comentarios público sea extendido para permitir tiempo suficiente para la revisión y reunión publica que se llevaran a cabo como parte de la visita al proyecto por MEPA.

2. Indique los niveles de revisión anticipada de MEPA (301 CMR 11.03) (si se conocen).
    - 301 CMR 11.03 (6)(b)(2)(b) – Construcción, expansión o mantenimiento de una calle o sus hombros que cortara cinco o más arboles de sombra que tienen más de 14 pulgadas de diámetro

3. Enumere todos los permisos estatales, locales y federales previstos necesarios para el proyecto (si se conocen).

Agencia	Autorización
Federal	
Agencia de Protección Ambiental de Estados Unidos (EPA)	NPDES Permiso de Construcción General
Estatal	
Oficina Ejecutiva de Energía y Asuntos Ambientales de Massachusetts (MEPA Office)	Certificado del Secretario sobre la versión expandida del Formulario de Notificación Ambiental y el Reporte de Impacto Ambiental
Oficial de Preservación Histórica del estado de Massachusetts (SHPO) / Comisión Histórica del Estado de Massachusetts (MHC)	Determinación de Efecto
Local	
Ciudad de Springfield	Remoción de Arboles de Sombra Públicos

4. Identifique las poblaciones y características de justicia ambiental (EJ) (minoría, ingresos, aislamiento inglés) dentro de las 5 millas del sitio del proyecto (puede adjuntar un mapa que identifique un radio de 5 millas desde la opción Visor de mapas de EJ en lugar de texto)
    - Dentro de un radio de 5 millas del proyecto, hay 150 bloques censales que encajan con los criterios de población de justicia ambiental. Estos criterios incluyen: Minorías, bajos ingresos y no dominio del inglés.
    - Dentro de un radio de una milla del proyecto: hay 34 bloques censales que encajan con los criterios de población de justicia ambiental. Estos criterios incluyen: Minorías, bajos ingresos y no dominio del inglés.
    - Favor Ver mapa Adjunto como Figura 1, identificando la población de Justicia Ambiental dentro de un radio de 5 millas.

5. Identifique cualquier municipio o sección censal que cumpla con la definición de "criterios de población de EJ con salud vulnerable" en la Herramienta de EJ del Departamento de Salud Pública (DPH) ubicado en su totalidad o en parte dentro de un radio de 1 milla del sitio del proyecto.
    - Dentro de un radio de una milla del proyecto, la municipalidad de la ciudad de Springfield encaja con la definición de los parámetros de salud vulnerable para ataque cardiaco, plomo en la sangre infantil, bajo peso al nacer y asma infantil.
    - Dentro de un radio de una milla, las municipalidades de Agawan y East Longmeadow no cumple con los criterios de la salud vulnerable.

6. Identifique los potenciales impactos a corto y largo plazo sobre el ambiente y la salud pública que pueden afectar a las poblaciones de EJ y cualquier mitigación prevista.

    El proyecto propuesto resultara en beneficios a largo termino al medio ambiente y la salud pública. Reducirá la congestión de trafico y mejorará las comodidades para peatones y ciclistas, lo cual resultará en una mejor calidad del aire. El sistema de manejo de aguas pluviales resultara en una mejor calidad de agua. Crear un paisaje urbano seguro y multimodal ayudara a promover una vida saludable. El proyecto propuesto tendrá un proceso de construcción temporal que impactará la calidad del aire. Emisiones diésel resultantes del transporte y operaciones de equipos de construcción resultaran en un incremento menor y temporal de la contaminación. Para mitigar las emisiones, el transito generado por la construcción será limitado a lo menos posible, los contratistas serán motivados a usar equipos de la construcción con motores fabricados bajo el nivel 4 del Estándar Federal de Emisiones. Para reducir el ruido, se les requerirá a los contratistas que cumplan con las reglas de ruido de la Ciudad de Springfield. La operación de equipos será limitada dentro de las horas de las 7:00 AM a 3:00 PM de Lunes a Viernes.

7. Identifique los beneficios del proyecto, incluidos los "beneficios ambientales", tal como se definen en 301 CMR 11.02, que pueden mejorar las condiciones ambientales o la salud pública de la población de EJ.

    - Los beneficios del proyecto incluyen
        - Espacios abiertos mejorados a través de la implementación de paisajismo y parques
        - Mas seguridad publica y menos congestiones de trafico debido a la reconfiguración de la vía.
        - Mejora en la calidad de aire como resultado de la reducción en el tráfico vehicular
        - Un mejor sistema de manejo de aguas pluviales debido a la implementación de nuevos imbornales, resultando en aguas más limpia.
        - Mas oportunidades de desarrollo económico

8. Describa cómo la comunidad puede solicitar una reunión para analizar el proyecto y cómo la comunidad puede solicitar servicios de interpretación de lenguaje oral en la reunión. Especifique cómo solicitar otras adaptaciones, incluidas reuniones fuera del horario laboral y en lugares cercanos al transporte público.

    - Se anticipa que una reunión comunitaria tendrá lugar en Julio, 2023. Detalles sobre la hora y lugar serán proveídas en la página web de DPW para el proyecto "The X", https://www.springfield-ma.gov/dpw/dpw-projects/projects-in-design-phase/the-x,

la página de Facebook del departamento de obras Publicas de la Ciudad de Springfield, y vía volantes en la sucursal de Forest Park de la Librería de la Ciudad de Springfield. Miembros de la comunidad también pueden solicitar información sobre el proyecto contactando a April Doroski a adoroski@fando.com.

- Los miembros de la comunidad tienes la opción de poder solicitar una reunión para discutir el proyecto. Para coordinar reuniones, incluyendo ubicación y hora, o para solicitar una traducción, favor contactar por correo electrónico a April Doroski adorski@fando.com.

Mẫu Đơn Sàng Lọc Công Lý Môi Trường

Tên dự án	Tái thiết Đại lộ Sumner tại đường Dickinson và đại lộ Belmont (Dự án "X")
Ngày dự kiến nộp hồ sơ MEPA	Tháng 6, 2023
Tên người đề xuất	Thành phố Springfield Gởi đến Christopher M. Cignoli, P.E. Giám đốc Công trình công cộng 70 Tapley Street Springfield, MA 01104
Thông tin liên hệ (ví dụ: tư vấn viên)	April Doroski, PWS, CPSS - adoroski@fando.com đến từ Tập đoàn Fuss & O'Neill.
Trang web công cộng của dự án hoặc địa điểm khác để có thể lấy tài liệu dự án (nếu có)	Tài liệu dự án bổ sung có thể được yêu cầu qua email bằng cách sử dụng thông tin liên hệ ở trên. Những cập nhật về dự án sẽ được cung cấp trên: ● Trang web của các Dự án Công trình công cộng của Thành phố Springfield dành cho "Dự án X" tại https://www.springfield-ma.gov/dpw/dpw-projects/projects-in-design-phase/the-x ● Trang Facebook của Công trình công cộng Thành phố Springfield ● Thông qua tờ rơi tại Thư viện Thành phố Springfield: Chi nhánh Công viên Forest
Thành phố và Zip Code của Dự án (nếu biết)	Springfield, MA, 01108
Loại dự án* (liệt kê tất cả những gì liên quan)	Vận tải – Đường bộ/Trung chuyển
Địa điểm dự án có nằm trong vùng đồng bằng lũ lụt được lập bản đồ 100 năm của FEMA không? C/K/Không rõ	Không
Lượng khí thải nhà kính ước tính của không gian có điều hoà (nhấn vào **đây** để truy cập Công cụ ước tính khí thải nhà kính)	Không liên quan (dự án này không bao gồm bất kỳ không gian có điều hoà nào)

Mô tả dự án

1. Cung cấp một mô tả ngắn gọn về dự án, bao gồm kích thước tổng thể của địa điểm dự án và diện tích vuông tính bằng feet của các tòa nhà và cấu trúc được đề xuất nếu biết.

   ● Dự án tái thiết "X" sẽ kéo dài 0.6 dặm dọc theo Đại lộ Sumner từ Đường chào

mừng chính của Công viên Forest đến Đường Daytona, Đại lộ Belmont và Đường Dickinson. Khu vực này hiện có các kết nối hạn chế dành cho người đi bộ và xe đạp và thiếu biển báo chỉ đường thông thường. Dự án tái thiết sẽ bao gồm việc nâng cấp đèn tín hiệu giao thông, quy cách hóa lối sang đường dành cho người đi bộ và bổ sung vỉa hè, làn rẽ, khu vực dành cho xe đạp và thiết bị thoát nước mưa, với mục tiêu cải thiện hành lang an toàn và tăng cường cơ hội phát triển kinh tế cho các doanh nghiệp ở gần đó.

- Trong hồ sơ MEPA, Người đề xuất sẽ yêu cầu Bộ trưởng cho phép chuyển đổi Báo cáo tác động môi trường (Environmental Impact Report - EIR) để giúp việc xem xét diễn ra thông suốt. Theo dự đoán, khoảng thời gian nhận xét công khai 30 ngày theo truyền thống cho bản đệ trình này sẽ được gia hạn để có thêm thời gian xem xét công khai và sẽ có một cuộc họp công khai được tổ chức, nằm trong chuyến thăm thực địa MEPA.

2. Liệt kê những ngưỡng đánh giá MEPA dự kiến (301 CMR 11.03) (nếu biết)

- 301 CMR 11.03(6)(b)(2)(b) - Việc xây dựng, mở rộng hoặc bảo trì đường hoặc phần đường ưu tiên sẽ bao gồm việc chặt từ năm cây bóng mát công cộng sống trở lên, có đường kính tính từ ngang ngực là 14 inch trở lên.

3. Liệt kê tất cả các giấy phép của tiểu bang, địa phương và liên bang dự kiến sẽ cần cho dự án (nếu biết)

Cơ quan	Giấy phép
Liên bang	
Cơ quan bảo vệ môi trường Hoa Kỳ (United States Environmental Protection Agency - EPA)	Giấy phép xây dựng chung NPDES
Tiểu bang	
Văn phòng điều hành các vấn đề về năng lượng và môi trường Massachusetts (Massachusetts Executive Office of Energy and Environmental Affairs - Văn phòng MEPA)	Giấy chứng nhận của Bộ trưởng về Mẫu thông báo môi trường mở rộng và Báo cáo tác động môi trường
Viên chức Bảo tồn lịch sử tiểu bang Massachusetts (Massachusetts State Historic Preservation Officer - SHPO)/ Ủy ban Lịch sử Massachusetts (Massachusetts Historical Commission - MHC)	Đánh giá ảnh hưởng
Địa phương	
Thành phố Springfield	Phê duyệt chặt bỏ cây bóng mát công cộng

4. Xác định dân số và đặc điểm của EJ (Thiểu số, Thu nhập, trình độ tiếng Anh hạn chế) trong phạm vi 5 dặm từ địa điểm dự án (có thể đính kèm bản đồ xác định bán kính 5 dặm từ EJ Maps Viewer thay cho bản tường thuật)

- Trong phạm vi 5 dặm từ địa điểm dự án, có 150 nhóm khối điều tra dân số đáp ứng các tiêu chí dân số của Công lý môi trường (Environmental Justice - EJ). Tiêu chí EJ bao gồm: Thiểu số; Thu nhập; Thiểu số và Thu nhập; và Thiểu số, Thu nhập và Trình độ tiếng Anh hạn chế.
- Trong vòng 1 dặm tính từ địa điểm dự án, có 34 nhóm khối điều tra dân số đáp ứng các tiêu chí về dân số của Công lý Môi trường (EJ). Tiêu chí EJ bao gồm: Thiểu số; Thiểu số và Thu nhập; và Người thiểu số, Thu nhập và Trình độ tiếng Anh hạn chế.

- Vui lòng xem bản đồ đính kèm, Hình #1, xác định dân số và đặc điểm của EJ trong bán kính 5 dặm.

5. Xác định bất kỳ khu đô thị hoặc vùng điều tra dân số nào đáp ứng định nghĩa về "tiêu chí EJ về sức khỏe dễ bị tổn thương" trong Công cụ EJ DPH nằm toàn bộ hoặc một phần trong bán kính 1 dặm từ địa điểm dự án

- Trong vòng 1 dặm tính từ địa điểm dự án, khu đô thị của Thành phố Springfield đáp ứng định nghĩa về tiêu chí EJ về sức khỏe dễ bị tổn thương đối với bệnh tim, chì trong máu ở trẻ em, cân nặng khi sinh thấp và bệnh hen suyễn ở trẻ em.
- Trong phạm vi 1 dặm tính từ địa điểm dự án, các khu đô thị Agawam và East Longmeadow không đáp ứng định nghĩa về tiêu chí EJ về sức khỏe dễ bị tổn thương.

6. Xác định các tác động tiềm ẩn ngắn hạn và lâu dài về môi trường và sức khỏe cộng đồng có thể ảnh hưởng đến Dân số EJ và bất kỳ biện pháp giảm thiểu dự kiến nào

Dự án được đề xuất sẽ mang lại lợi ích lâu dài về môi trường và sức khỏe cộng đồng. Giảm tắc nghẽn giao thông và việc tăng cường tiện nghi cho người đi bộ và đi xe đạp sẽ giúp cải thiện chất lượng không khí. Việc cải tiến quản lý nước mưa sẽ giúp cải thiện chất lượng nước. Tạo ra một cảnh quan đường phố an toàn, đa dạng sẽ mang lại cuộc sống lành mạnh. Dự án được đề xuất sẽ có những tác động tạm thời trong thời gian xây dựng đối với chất lượng không khí do gia tăng tiếng ồn và việc vận chuyển, vận hành thiết bị xây dựng. Khí thải điêzen (diesel) từ việc vận chuyển và vận hành thiết bị sẽ dẫn đến sự gia tăng nhỏ và tạm thời về ô nhiễm do dự án. Để giảm thiểu khí thải, việc mở động cơ khi xe đứng yên trên đường và ngoài đường sẽ bị hạn chế ở mức tối đa có thể và các nhà thầu sẽ được khuyến khích sử dụng thiết bị xây dựng có động cơ được sản xuất theo tiêu chuẩn khí thải cấp 4 của liên bang. Để giảm thiểu tiếng ồn, các nhà thầu sẽ phải tuân thủ Pháp lệnh về tiếng ồn Springfield. Thời gian hoạt động của các thiết bị sẽ được giới hạn trong từ 7:00 sáng đến 3:30 chiều, từ thứ Hai đến thứ Sáu.

7. Xác định các lợi ích của dự án, bao gồm cả “Lợi ích môi trường” như được định nghĩa trong 301 CMR 11.02, có thể cải thiện điều kiện môi trường hoặc sức khỏe cộng đồng của người dân EJ

- Lợi ích dự án bao gồm:
    - Tăng cường không gian mở thông qua việc ứng dụng cảnh quan và công viên nhỏ
    - Tăng cường an toàn công cộng và giảm tắc nghẽn giao thông thông qua việc cấu trúc lại đường bộ
    - Cải thiện chất lượng không khí thông qua việc giảm tắc nghẽn giao thông
    - Cải thiện quản lý nước mưa thông qua việc cấu trúc lại đường và sử dụng các lưu vực hứng nước thải sâu, để có được nguồn nước sạch hơn
    - Tăng cường cơ hội phát triển kinh tế

8. Miêu tả cách cộng đồng có thể yêu cầu một cuộc họp để thảo luận về dự án và cách cộng đồng có thể yêu cầu các dịch vụ phiên dịch ngôn ngữ bằng lời nói tại cuộc họp này. Nêu rõ cách để yêu cầu những sự hỗ trợ khác, bao gồm các cuộc họp sau giờ làm việc và tại các địa điểm gần phương tiện giao thông công cộng.

- Một cuộc họp cộng đồng dự kiến sẽ được tổ chức vào tháng 7 năm 2023. Thông tin chi tiết về thời gian và địa điểm sẽ được cung cấp trên trang web của các Dự án Công trình công cộng của Thành phố Springfield dành cho “Dự án X” tại https://www.springfield-ma.gov/dpw/dpw-projects/projects-in-design-phase/the-x, trang Facebook của Công trình công cộng Thành phố Springfield và qua tờ rơi tại Thư viện Thành phố Springfield: Chi nhánh công viên Forest. Các thành viên cộng đồng cũng có thể đặt câu hỏi về cuộc họp cộng đồng bằng cách gửi email đến April Doroski tại adoroski@fando.com.
- Các thành viên của cộng đồng có thể yêu cầu một cuộc họp để thảo luận về dự án. Đối với tất cả hỗ trợ trong cuộc họp, bao gồm địa điểm và thời gian trong ngày, hoặc để yêu cầu dịch dịch thuật ngôn ngữ, vui lòng gửi email đến April Doroski tại adoroski@fando.com.

Statewide Environmental Justice Community Based Organizations					
First Name	**Last Name**	**Title**	**Phone**	**Email**	**Affiliation**
Julia	Blatt	Executive Director	(617) 714-4272	juliablatt@massriversalliance.org	Mass Rivers Alliance
Elvis	Mendez	Associate Director	508-505-6748	elvis@n2nma.org	Neighbor to Neighbor
Ben	Hellerstein	MA State Director	617-747-4368	ben@environmentmassachusetts.org	Environment Massachusetts
Claire	B.W. Muller	Movement Building Director	508 308-9261	claire@uumassaction.org	Unitarian Universalist Mass Action Network
Cindy	Luppi	New England Director	617-338-8131 x208	cluppi@cleanwater.org	Clean Water Action
Deb	Pasternak	Director, MA Chapter	617-423-5775	deb.pasternak@sierraclub.org	Sierra Club MA
Heather	Clish	Director of Conservation & Recreation Policy	(617) 523-0655	hclish@outdoors.org	Appalachian Mountain Club
Heidi	Ricci	Director of Policy	Not Provided	hricci@massaudubon.org	Mass Audubon
Kelly	Boling	MA & RI State Director	(617) 367-6200	kelly.boling@tpl.org	The Trust for Public Land
Kerry	Bowie	Board President	Not Provided	kerry@msaadapartners.com	Browning the GreenSpace
Ellen	Macaulay	Director of Operations	Not Provided	emacaulay@environmentalleague.org	Environmental League of MA
Rob	Moir	Executive Director	Not Provided	rob@oceanriver.org	Ocean River Institute
Robb	Johnson	Executive Director	(978) 443-2233	robb@massland.org	Mass Land Trust Coalition
Sylvia	Broude	Executive Director	617 292-4821	sylvia@communityactionworks.org	Community Action Works

Indigenous Organizations					
First Name	**Last Name**	**Title**	**Phone**	**Email**	**Affiliation**
Alma	Gordon	President	Not Provided	tribalcouncil@chappaquiddickwampanoag.org	Chappaquiddick Tribe of the Wampanoag Nation
Cheryll	Toney Holley	Chair	774-317-9138	crwritings@aol.com	Nipmuc Nation (Hassanamisco Nipmucs)
John	Peters, Jr.	Executive Director	617-573-1292	john.peters@mass.gov	Massachusetts Commission on Indian Affairs (MCIA)
Kenneth	White	Council Chairman	508-347-7829	acw1213@verizon.net	Chaubunagungamaug Nipmuck Indian Council
Melissa	Ferretti	Chair	(508) 304-5023	melissa@herringpondtribe.org	Herring Pond Wampanoag Tribe
Patricia	D. Rocker	Council Chair	Not Provided	rockerpatriciad@verizon.net	Chappaquiddick Tribe of the Wampanoag Nation, Whale Clan
Raquel	Halsey	Executive Director	(617) 232-0343	rhalsey@naicob.org	North American Indian Center of Boston
Cora	Pierce	Not Provided	Not Provided	Coradot@yahoo.com	Pocassett Wampanoag Tribe
Elizabth	Soloman	Not Provided	Not Provided	Solomon.Elizabeth@gmail.com	Massachusetts Tribe at Ponkapoag

Federally Recognized Tribes						
First	**Last**	**Title**	**Phone**	**Email**	**Affiliation**	**Notes**
Bettina	Washington	Tribal Historic Preservation Officer	508-560-9014	thpo@wampanoagtribe-nsn.gov	Wampanoag Tribe of Gay Head (Aquinnah)	
Stockbridge-Munsee Tribe		Historic Preservation Manager	413-884-6048	THPO@Mohican-nsn.gov	Stockbridge-Munsee Tribe	**Only for projects in: Berkshire County, Agawam, Amherst, Athol, Charlemont,Chicopee, Easthampton, Gardner, Greenfield, Hadley, Heath, Hubbardston, Ludlow, Monroe, Northampton, Orange, Palmer, Rowe, Royalston, Southwick, Springfield, Sunderland, Ware, Wendell, West Springfield, Westfield**
Brian	Weeden	Chair	774-413-0520	Brian.Weeden@mwtribe-nsn.gov	Mashpee Wampanoag Tribe	

Local CBOs

First Name	Last Name	Title	Service Area	Phone Number	Email	Affiliation
Tanisha	Arena	Not Provided	Springfield	Not provided	tanisha@arisespringfield.org	Arise for Social Justice
Ibrahim	Ali	Not Provided	Springfield	(413) 693-5340	ibrahim@gardeningthecommunity.org	Gardening the Community
Zulmalee	Rivera	Member Support and Event Coordinator	Springfield	413-645-0055	zulma@n2nma.org	Neighbor to Neighbor
Maria	Ligus	Executive Director	Springfield	413-747-0090	Mlingus@newnorthcc.org	New North Citizens' Council
Trey	Rivera	Executive Assistant	Springfield	413-746-4885	Trivera@newnorthcc.org	New North Citizens' Council
Mireille	Bejjani	Energy Justice Director	Springfield	Not provided	mbejjani8@gmail.com	Community Action Works
Sarita	Hudson	Director Programs & Development	Springfield	413 794-7739	shudson@publichealthwm.org	Public Health Institute of Western Mass
Ryan	Odonnell	Water Quality Monitoring Coordinator	Springfield	Not provided	rodonnell@ctriver.org	Connecticut River Conservancy
Mark	Wamsley	Conservation Director	Springfield	Not provided	mark@kestreltrust.org	Kestrel Land Trust

From:	Chelsea Zakas
To:	MEPA-EJ (EEA)
Cc:	Alex Maxwell; April Doroski; Stephen J. Savaria; Cignoli, Chris; Anne.C.Canaday@dot.state.ma.us; Shawn.Holland@dot.state.ma.us
Bcc:	juliablatt@massriversalliance.org; elvis@n2nma.org; ben@environmentmassachusetts.org; claire@uumassaction.org; cluppi@cleanwater.org; deb.pasternak@sierraclub.org; hclish@outdoors.org; hricci@massaudubon.org; kelly.boling@tpl.org; kerry@msaadapartners.com; ngoodman@environmentalleague.org; rob@oceanriver.org; robb@massland.org; sylvia@communityactionworks.org; tribalcouncil@chappaquiddickwampanoag.org; crwritings@aol.com; john.peters@mass.gov; acw1213@verizon.net; Melissa Ferretti; rockerpatriciad@verizon.net; rhalsey@naicob.org; Coradot@yahoo.com; Solomon.Elizabeth@gmail.com; thpo@wampanoagtribe-nsn.gov; THPO@Mohican-nsn.gov; Brian.Weeden@mwtribe-nsn.gov; tanisha@arisespringfield.org; ibrahim@gardeningthecommunity.org; zulma@n2nma.org; Mlingus@newnorthcc.org; Trivera@newnorthcc.org; mbejjani8@gmail.com; shudson@publichealthwm.org; rodonnell@ctriver.org; mark@kestreltrust.org; forestparkcivicassociation@gmail.com
Subject:	Advance Notification – Reconstruction of Sumner Avenue at Dickinson Street and Belmont Avenue (The "X")
Date:	Wednesday, May 10, 2023 2:53:00 PM
Attachments:	EJ Screening Form - English.pdf EJ Screening Form - Español.pdf EJ Screening Form - Tiếng Việt.pdf

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PROJECT NAME: Reconstruction of Sumner Avenue at Dickinson Street and Belmont Avenue (The "X")

PROJECT LOCATION: Springfield, MA | The intersection of Sumner Avenue at Dickinson Street and Belmont Avenue

PROJECT DESCRIPTION: The "X" reconstruction project will extend 0.6 miles along Sumner Avenue from the Forest Park Main Greeting Road to Daytona Street, Belmont Avenue, and Dickinson Street. This area currently offers limited pedestrian and bicycle connections and lacks common way-finding signage. The reconstruction project will involve the upgrading of traffic signals, the formalizing of pedestrian crossings, and the addition of sidewalks, turning lanes, bicycle accommodations and stormwater facilities, with the goal of improving corridor safety and increasing economic development opportunities for nearby businesses. Refer to the attached Screening Forms for information on project benefits and the corresponding map.

Note: Community-based organizations and tribal organizations are receiving this notification in accordance with the MEPA Public Involvement Protocol for Environmental Justice Populations, which took effect on January 1, 2022. More information is available on the MEPA website.

Chelsea Zakas, AICP (she / her)
Environmental Planner

Fuss & O'Neill, Inc. | CZakas@fando.com

(860) 783-4671 | cell: (404) 245-8418

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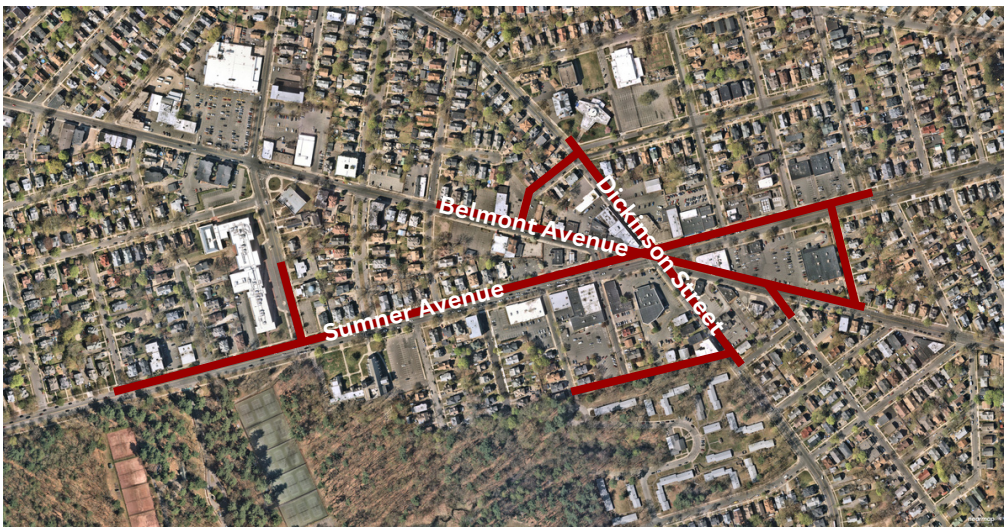
About "The X" Reconstruction

Where:

- The project will extend 0.6 miles along Sumner Avenue from the Forest Park Main Greeting Road to Daytona Street, Belmont Avenue, and Dickinson Street.

Why:

- Existing issues include:
  - Intersection Safety
  - Congestion and Delay
  - Cut-Through Traffic
  - Deficient Pedestrian Facilities
  - Inadequate Bicycle Accommodation
  - Obsolete Signal Equipment



Aerial image of the X reconstruction project site at the intersection of Belmont Avenue, Sumner Avenue, and Dickinson Street



Image of the intersection of Belmont Avenue, Sumner Avenue, and Dickinson Street

Pioneer Valley Planning Commission
Top-100 High Crash Intersections in the Pioneer Valley Region 2016
#1 - Sumner Avenue at Dickinson Street/Belmont Avenue

Proposed Changes:

- Traffic signal upgrades
- Sidewalk and pedestrian crossing updates
- Addition of turning lanes, bicycle accommodations, and stormwater facilities

GOAL = *Improve corridor safety and increase economic development opportunities for nearby businesses*

Benefits to the Community:

- Enhanced open space through the implementation of landscaping and pocket parks
- Increased public safety and reduced traffic congestion through road reconfiguration
- Improved air quality through reduced traffic congestion
- Improved stormwater management through road reconfiguration and implementation of deep sump catch basins, resulting in cleaner water
- Increased opportunity for economic development

To learn more:

- Reach out to April Doroski, PWS, CPSS at adoroski@fando.com or (413) 333-5881
- Visit the project website by scanning the QR code:

massDOT Massachusetts Department of Transportation

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Acerca la Reconstrucción "The X"

Donde:

- El proyecto se extenderá 0.6 millas a lo largo de Summer Avenue, desde Forest Park Main Greeting Road hasta Daytona Street, Belmont Avenue y Dickinson Street.

Por Que:

- Los problemas existente incluyen:
  - Seguridad en la intersection
  - Congestionamiento y retrasos
  - Tráfico de atajo
  - Vias peatonales deficientes
  - Inadecuada acommodación de bicicletas
  - Señales de transito obsoletas

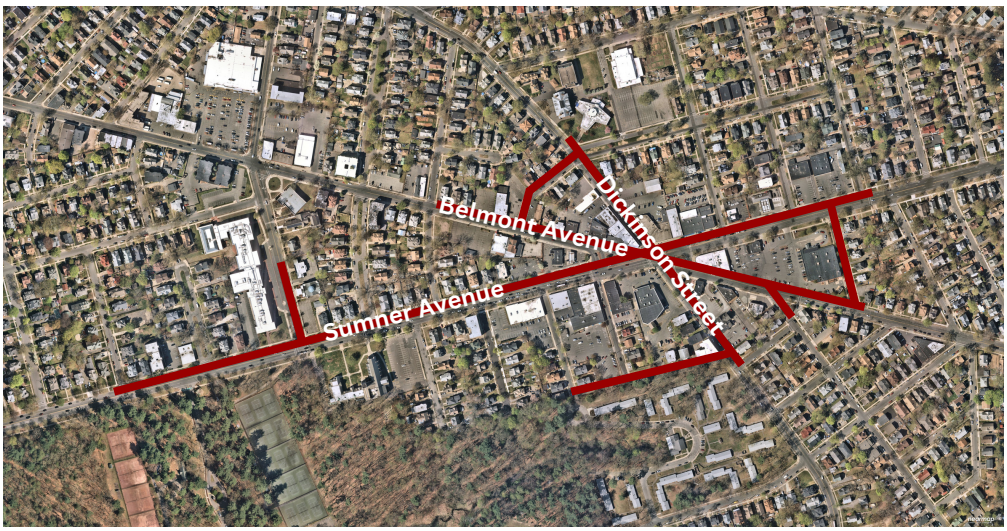

Imagen area del proyecto de reconstruction X en la intersección de Belmont Avenue, Summer Avenue y Dickinson Street.



Image of the intersection of Belmont Avenue, Sumner Avenue, and Dickinson Street

Comisión de Planeamiento Pioneer Valley
Top-100 Intersecciones con alto nivel de choques
en la Region Pioneer Valley 2016
#1 - Sumner Avenue en Dickinson Street/Belmont Avenue

Cambios Propuestos:

- Mejoras a las señales de transito
- Mejoras a las aceras y cruces peatonales
- Adición de carriles para doblar, acomodaciones para bicicletas y mejoras en las estructurar de manejo de aguas plubiales

META = Mejorar la seguridad en la via e incrementar el desarrollo económico de los negocios cercanos.

Beneficios Para la Comunidad:

- Espacios abiertos mejorados a traves de la implementación de paisajismo y parques
- Incremento en la seguridad pública y reducción en el congestionamiento de tráfico vehicular como resultado de la reconfiguración de la via
- Mejora en la calidad de aire como resultado de la reducción de trafico vehicular
- Mejoras al sistema de manejo de aguas pluviales a traves de la reconfiguración de la via y la Implementacion de imbornales con sumideros profundos, resultando en agua mas limpia.
- Mas oportunidad para desarrollo económico

Para más Informacion:

- Contactar a April Doroski, PWS, CPSS at adoroski@fando.com o (413) 333-5881
- Visita la pagina web del proyecto escaneando el Código QR debajo:

massDOT Massachusetts Department of Transportation

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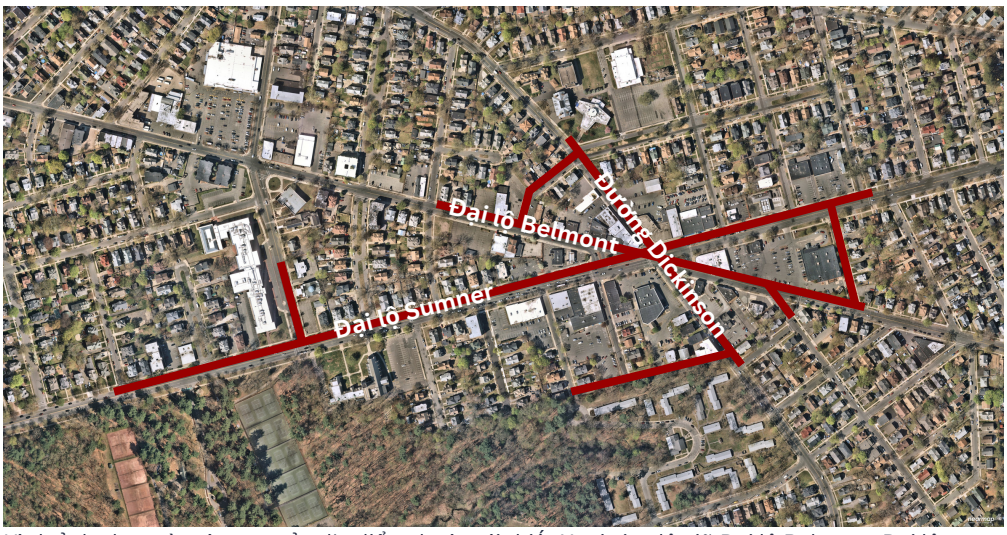
Giới thiệu về Tái thiết "X"

Địa điểm:

- Dự án sẽ kéo dài 0.6 dặm dọc theo Đại lộ Sumner từ Đường chào mừng chính của Công viên Forest đến Đường Daytona, Đại lộ Belmont, và Đường Dickinson.

Lý do:

- Những vấn đề hiện tại bao gồm:
  - Giao lộ an toàn
  - Tắc nghẽn và trì hoãn
  - Giao thông xuyên suốt
  - Thiếu cơ sở vật chất dành cho người đi bộ
  - Thiếu tiện nghi dành cho xe đạp
  - Thiết bị tín hiệu bị lỗi thời



Hình ảnh chụp từ trên cao của địa điểm dự án tái thiết X tại giao lộ giữ Đại lộ Belmont, Đại lộ Sumner và Đường Dickinson



Hình ảnh giao lộ giữa Đại lộ Belmont, Đại lộ Sumner và Đường Dickinson

Ủy ban Quy hoạch Pioneer Valley
Top-100 giao lộ có nhiều tai nạn nhất
tại khu vực Pioneer Valley 2016
#1 - Đại lộ Sumner tại Đường Dickinson/Đại lộ Belmont

Những thay đổi được đề xuất:

- Nâng cấp đèn tín hiệu giao thông
- Nâng cấp vỉa hè và lối đi dành cho người đi bộ
- Bổ sung các làn đường rẽ, tiện nghi dành cho xe đạp và cơ sở hạ tầng thoát nước mưa

MỤC TIÊU = Cải thiện an toàn hành lang và tăng cường cơ hội phát triển kinh tế cho những doanh nghiệp lân cận

Lợi ích đối với cộng đồng:

- Tăng cường không gian mở thông qua việc xây dựng cảnh quan và công viên nhỏ
- Tăng cường an toàn công cộng và giảm tắc nghẽn giao thông thông qua việc tái cấu hình lại đường bộ
- Cải thiện chất lượng không khí thông qua việc giảm tắc nghẽn giao thông
- Cải thiện quản lý nước mưa thông qua việc cấu hình lại đường bộ và xây dựng các lưu vực hứng nước thải sâu, đem lại nguồn nước sạch hơn
- Tăng cơ hội phát triển kinh tế

Để tìm hiểu thêm:

- Liên hệ với April Doroski, PWS, CPSS qua adoroski@fando.com hoặc (413) 333-5881
- Truy cập trang web của dự án bằng cách quét mã QR:

massDOT Massachusetts Department of Transportation

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"The X" Reconstruction Community Meeting

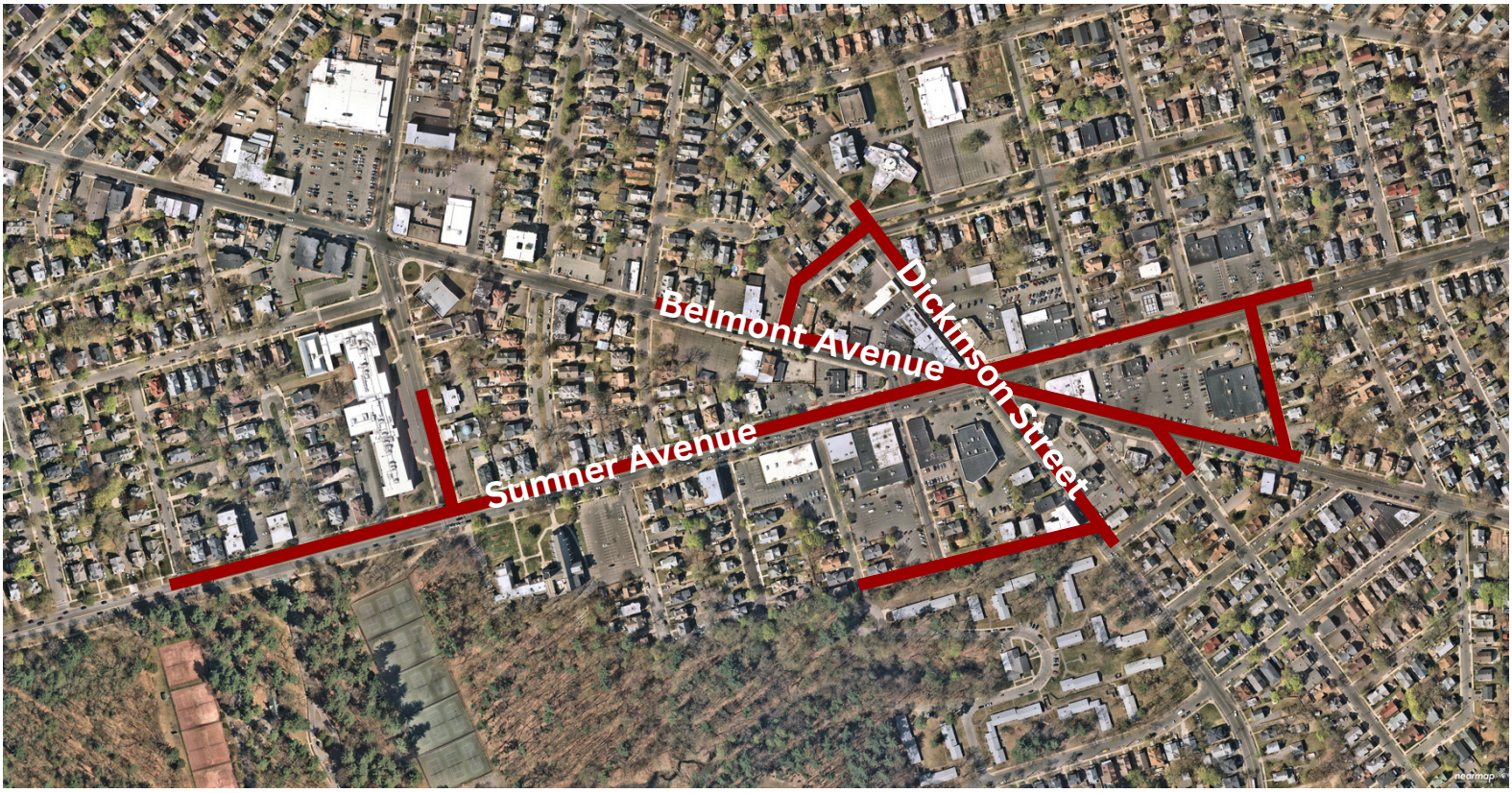
JOIN US, WE WANT TO HEAR FROM YOU!

Join us for a community meeting where we will discuss the proposed "X" reconstruction, and solicit public feedback

PROJECT GOAL = Improve corridor safety and increase economic development opportunities for nearby businesses

When:
Tuesday, July 18th at 6:30 PM

Where (in-person):
John J. Shea Bright Nights Building
(in Forest Park)
300 Sumner Ave
Springfield, MA 01108



Aerial image of the proposed "X" reconstruction project site at the intersection of Belmont Avenue, Sumner Avenue, and Dickinson Street

To learn more:

- Reach out to April Doroski, PWS, CPSS at adoroski@fando.com or (413) 333-5881
- Visit the project website by scanning the QR code:

massDOT Massachusetts Department of Transportation

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Reconstrucción "X"
Reunión Comunitaria

UNETENOS, QUEREMOS ESCUCHAR DE TI!!

Únetenos en la reunión comunitaria donde discutiremos la propuesta de reconstrucción “X”, y solicitaremos comentarios del publico

OBEJETIVO DEL PROYECTO = Mejorar la seguridad en el corredor e incrementar las oportunidades de desarrollo económico de los negocios aledaños

Cuando:
Martes 18 de Julio a las 6:30 PM

Donde (presencial):
John J. Shea Bright Nights Building (En Forest Park)
300 Avenida Summer
Springfield, MA 01108

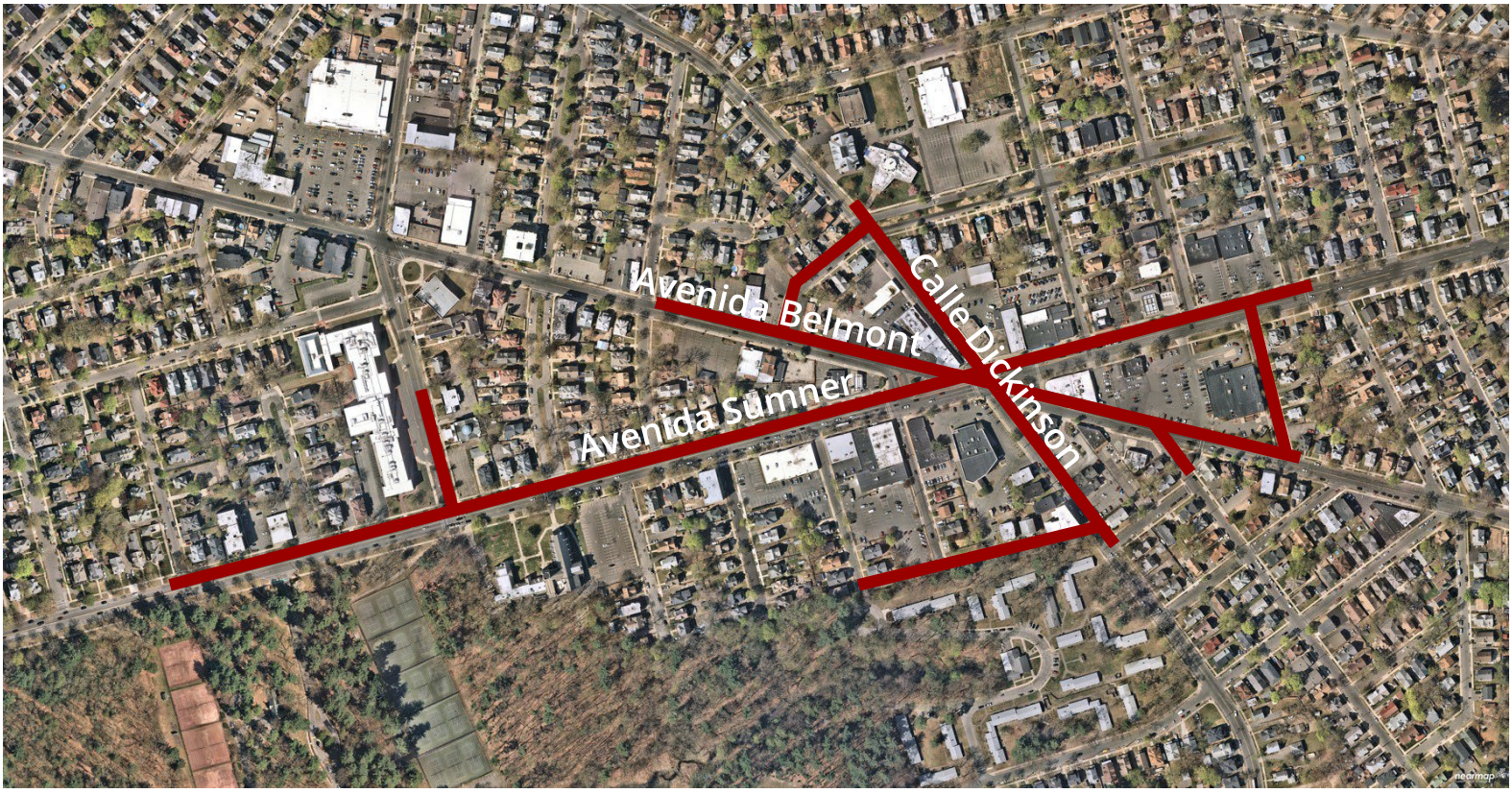

Imagen aérea del proyecto propuesto de reconstrucción “X” en la intersección de la Avenida Belmont, Avenida Summer y Calle Dickinson.

Para más información:

- Contactar a April Doroski, PWS, CPSS adoroski@fando.com or (413) 333-5881
- Visita la página web del proyecto escaneando el código QR:

massDOT Massachusetts Department of Transportation

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Dự án Tái thiết "X"
Buổi họp Cộng đồng

HÃY THAM GIA CÙNG CHÚNG TÔI, CHÚNG TÔI MUỐN LẮNG NGHE Ý KIẾN CỦA BẠN!

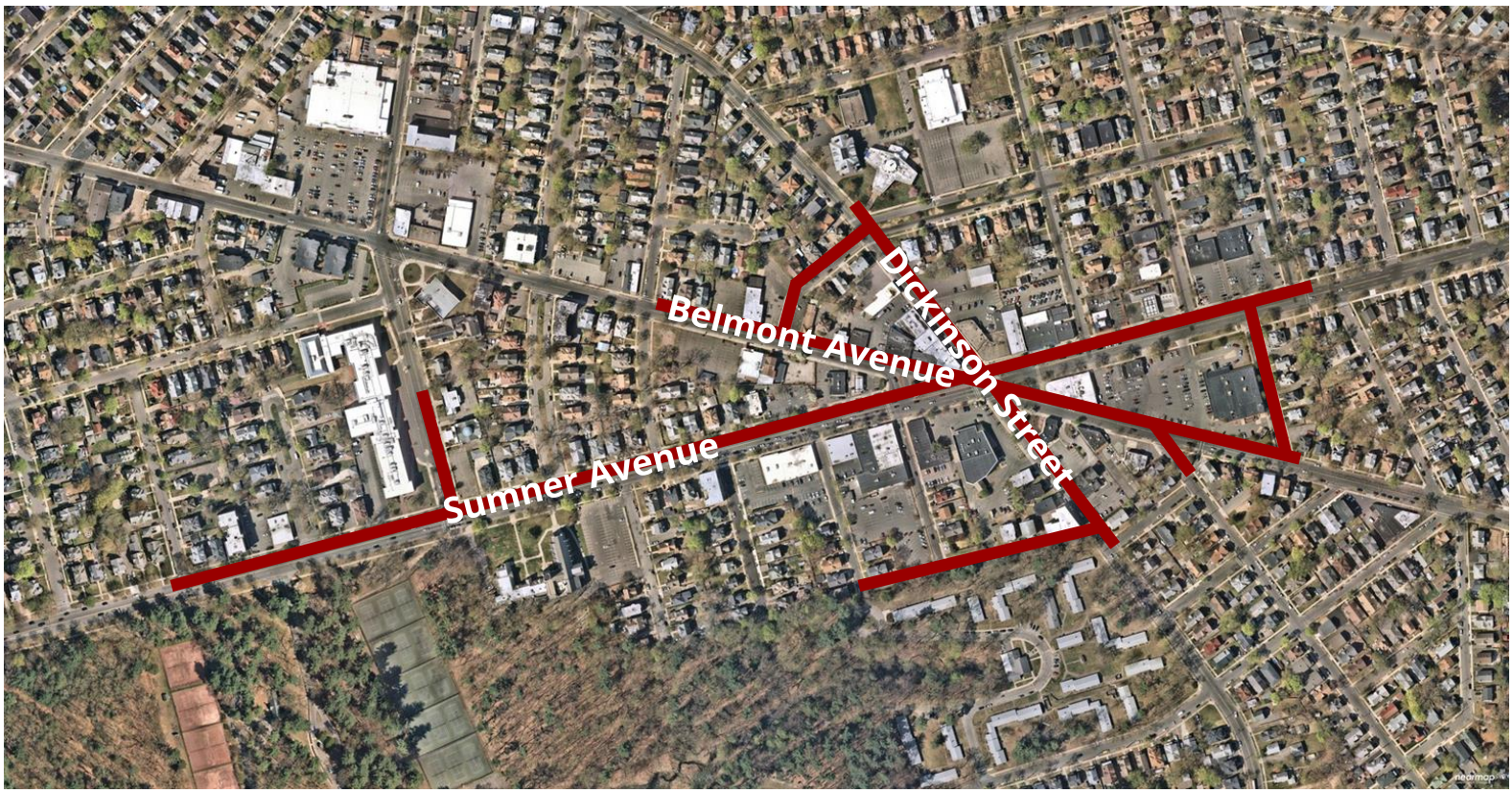
Hãy tham gia cùng chúng tôi trong một buổi họp cộng đồng để thảo luận về dự án tái thiết "X" đã được đề xuất và thu thập phản hồi từ công chúng

MỤC TIÊU DỰ ÁN = Cải thiện an toàn hành lang và tăng cường cơ hội phát triển kinh tế cho các doanh nghiệp lân cận

Thời gian:
Thứ Ba, ngày 18 tháng 7, lúc 6:30 Chiều

Địa điểm (gặp mặt trực tiếp):
Toà nhà John J. Shea Bright Nights (nằm trong công viên Forest)
300 Sumner Ave

Springfield, MA 0110



Hình ảnh chụp từ trên cao của địa điểm dự án tái thiết X tại giao lộ giữ Đại lộ Belmont, Đại lộ Sumner và Đường Dickinson

Để tìm hiểu thêm:

- Liên hệ April Doroski, PWS, CPSS qua adoroski@fando.com hoặc (413) 333-5881
- Truy cập trang web của dự án bằng cách quét mã QR

massDOT Massachusetts Department of Transportation

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Table G-2
Previous Outreach Activities

Outreach Activity	Details	Timeline
Public Meeting	City of Springfield held a public meeting as part of the X Improvements Planning Study	October 6, 2015
Public Meeting	City of Springfield held a second public meeting as part of the X Improvements Planning Study	February 10, 2016
Media Coverage	Media coverage of the project posted to MassLive and WWLP (local news station)	May 10, 2017 May 16, 2017
Stakeholder Meeting	City and F&O presented a Pre-25% Concept plan to the Forest Park Civic Association meeting	December 12, 2017
Direct Mailing	City of Springfield sent all property owners within project limits a letter soliciting comments on the 25% plans. Comments were received and responses issued by Springfield DPW.	Fall 2017/Winter 2018
Design Public Hearing	Held at Forest Park Middle School. City and F&O presented updated design based on previous public feedback, solicited additional public feedback to develop the 75% and 100% final design plans	September 17, 2019
Historic Commission Meeting	Historic Commission Section 106 Review; Open to the public	November 18, 2021
Historic Commission Meeting	Historic Commission Section 106 Review; Open to the public	December 2, 2021

Advertisement

NEWS

Springfield adjusts ‘The X’ intersection project in response to neighborhood concerns about tree removal

Updated: Feb. 11, 2020, 9:37 p.m. | Published: Feb. 11, 2020, 9:37 p.m.

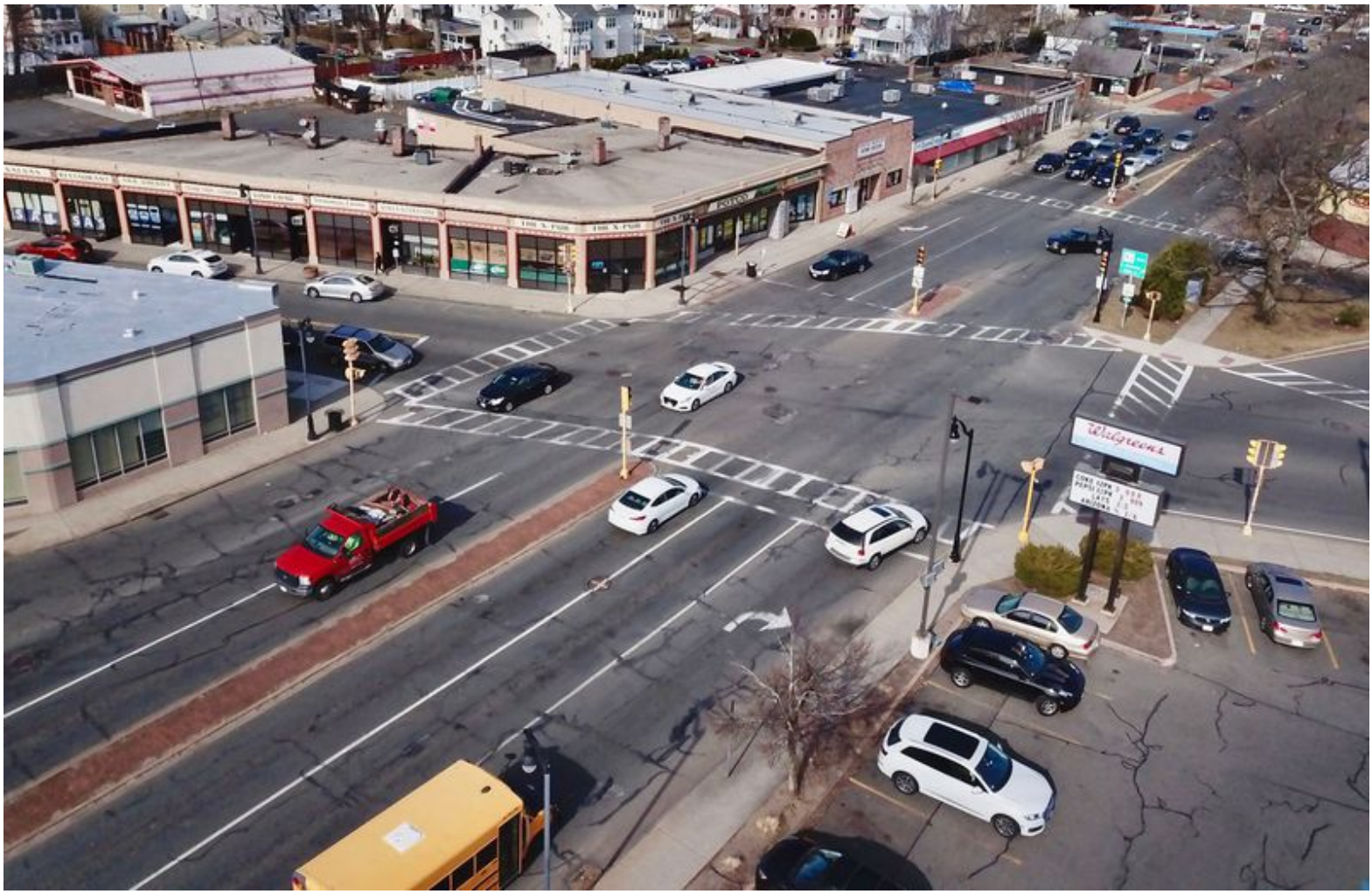

Table G-3
Proposed Outreach Activities

Outreach Activity	Details	Timeline
Environmental Justice-Screening Form	English, Spanish & Vietnamese 1. EJ Reference List – Email 2. City of Springfield project website	May 10, 2023
Distribution of Project Information	Translated factsheet, community meeting invitation, and email notifications: 1. City of Springfield City Hall 2. City of Springfield project website 3. Forest Park Civic Association 4. Places of Worship (Trinity United Methodist Church, Calvary's Love Church, St Barnabas & All Saints Church, HOLY NAME Parish) 5. Public Libraries (Springfield City Library: Forest Park Branch)	June – July 2023
Project Website	Maintain project website	May – September 2023
Community Meeting	John J. Shea Nights Building	July 18, 2023
Public Notice of Environmental Review	English, Spanish & Vietnamese The Springfield Republican/ Environmental Monitor	July 26, 2023
MEPA Site Visit Notice	City of Springfield project website	July/August 2023

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Table G - 4
Summary of Languages Spoken within the Vicinity of the Project Site

Census Tract	Municipality	County	Language	1 mile	5 miles
8001.01	Springfield	Hampden	Spanish or Spanish Creole		X
8002.01	Springfield	Hampden	Spanish or Spanish Creole		X
8002.02	Springfield	Hampden	Spanish or Spanish Creole		X
8003	Springfield	Hampden	Spanish or Spanish Creole		X
8004	Springfield	Hampden	Spanish or Spanish Creole		X
8005	Springfield	Hampden	Spanish or Spanish Creole		X
8006	Springfield	Hampden	Spanish or Spanish Creole		X
8007	Springfield	Hampden	Spanish or Spanish Creole		X
8008	Springfield	Hampden	Spanish or Spanish Creole		X
8009	Springfield	Hampden	Spanish or Spanish Creole		X
8011.01	Springfield	Hampden	Spanish or Spanish Creole		X
8011.02	Springfield	Hampden	Spanish or Spanish Creole		X
8012	Springfield	Hampden	Spanish or Spanish Creole		X
8013	Springfield	Hampden	Spanish or Spanish Creole		X
8014.01	Springfield	Hampden	Spanish or Spanish Creole		X
8015.01	Springfield	Hampden	Spanish or Spanish Creole		X
8015.02	Springfield	Hampden	Spanish or Spanish Creole		X
8015.03	Springfield	Hampden	Spanish or Spanish Creole		X
8012.02	Springfield	Hampden	Spanish or Spanish Creole		X
8016.03	Springfield	Hampden	Spanish or Spanish Creole		X
8018	Springfield	Hampden	Spanish or Spanish Creole	X	
8019.01	Springfield	Hampden	Spanish or Spanish Creole	X	
8019.02	Springfield	Hampden	Spanish or Spanish Creole		X
8020	Springfield	Hampden	Spanish or Spanish Creole		X
8021	Springfield	Hampden	Spanish or Spanish Creole	X	
8022	Springfield	Hampden	Spanish or Spanish Creole	X	
8023	Springfield	Hampden	Spanish or Spanish Creole	X	
8026.01	Springfield	Hampden	Spanish or Spanish Creole	X	

8122.02	Springfield	Hampden	Spanish or Spanish Creole		X
8123	Springfield	Hampden	Spanish or Spanish Creole		X

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Table G - 5
Summary of Environmental Justice Populations within the Vicinity of the Project Site

Block Group	Census Tract	Municipality	County	EJ Characteristic	1 Mile	5 miles
2	8001	Springfield	Hampden	Minority and income		X
3	8001	Springfield	Hampden	Minority and income		X
1	8001.01	Springfield	Hampden	Minority and income		X
2	8002	Springfield	Hampden	Minority		X
3	8002	Springfield	Hampden	Minority		X
4	8002	Springfield	Hampden	Minority and income		X
5	8002	Springfield	Hampden	Minority and income		X
1	8002.01	Springfield	Hampden	Minority and income		X
1	8002.02	Springfield	Hampden	Minority and income		X
1	8003	Springfield	Hampden	Minority		X
2	8003	Springfield	Hampden	Minority and income		X
3	8003	Springfield	Hampden	Minority		X
4	8003	Springfield	Hampden	Minority and income		X
1	8004	Springfield	Hampden	Minority, income and English isolation		X
2	8004	Springfield	Hampden	Minority, income and English isolation		X
3	8004	Springfield	Hampden	Minority		X
4	8004	Springfield	Hampden	Minority and income		X
5	8004	Springfield	Hampden	Minority, income and English isolation		X
1	8005	Springfield	Hampden	Minority, income and English isolation		X
2	8005	Springfield	Hampden	Minority		X
3	8005	Springfield	Hampden	Minority		X
1	8006	Springfield	Hampden	Minority, income and English isolation		X
2	8006	Springfield	Hampden	Minority, income and English isolation		X
3	8006	Springfield	Hampden	Minority, income and English isolation		X
1	8007	Springfield	Hampden	Minority, income and English isolation		X
2	8007	Springfield	Hampden	Minority, income and English isolation		X
1	8008	Springfield	Hampden	Minority, income and English isolation		X
2	8008	Springfield	Hampden	Minority, income and English isolation		X

Block Group	Census Tract	Municipality	County	EJ Characteristic	1 Mile	5 miles
1	8009	Springfield	Hampden	Minority, income and English isolation		X
2	8009	Springfield	Hampden	Minority, income and English isolation		X
3	8009	Springfield	Hampden	Minority and income		X
1	8011.01	Springfield	Hampden	Minority, income and English isolation		X
1	8011.02	Springfield	Hampden	Minority and income		X
2	8011.02	Springfield	Hampden	Minority, income and English isolation		X
1	8012	Springfield	Hampden	Minority, income and English isolation		X
2	8012	Springfield	Hampden	Minority and income		X
3	8012	Springfield	Hampden	Minority and income		X
1	8013	Springfield	Hampden	Minority, income and English isolation		X
2	8013	Springfield	Hampden	Minority and income		X
3	8013	Springfield	Hampden	Minority and income		X
4	8013	Springfield	Hampden	Minority		X
2	8014	Springfield	Hampden	Minority, income and English isolation		X
1	8014.01	Springfield	Hampden	Minority and income		X
1	8014.02	Springfield	Hampden	Minority and income		X
2	8014.02	Springfield	Hampden	Minority and income		X
2	8015	Springfield	Hampden	Minority		X
3	8015	Springfield	Hampden	Minority		X
4	8015	Springfield	Hampden	Minority		X
1	8015.01	Springfield	Hampden	Minority and income		X
1	8015.02	Springfield	Hampden	Minority and income		X
2	8015.02	Springfield	Hampden	Minority and income		X
3	8015.02	Springfield	Hampden	Minority, income and English isolation		X
1	8015.03	Springfield	Hampden	Minority and income		X
2	8015.03	Springfield	Hampden	Minority and income		X
3	8015.03	Springfield	Hampden	Minority		X
1	8016	Springfield	Hampden	Minority		X
2	8016	Springfield	Hampden	Minority		X
3	8016	Springfield	Hampden	Minority and income		X
4	8016	Springfield	Hampden	Minority and income		X
1	8016.02	Springfield	Hampden	Minority and income		X
2	8016.02	Springfield	Hampden	Minority		X

Block Group	Census Tract	Municipality	County	EJ Characteristic	1 Mile	5 miles
3	8016.02	Springfield	Hampden	Minority		X
1	8016.03	Springfield	Hampden	Minority		X
2	8016.03	Springfield	Hampden	Minority		X
1	8016.04	Springfield	Hampden	Minority		X
2	8016.04	Springfield	Hampden	Minority		X
1	8016.05	Springfield	Hampden	Minority and income		X
2	8016.05	Springfield	Hampden	Minority		X
3	8016.05	Springfield	Hampden	Minority		X
1	8017	Springfield	Hampden	Minority and income		X
2	8017	Springfield	Hampden	Minority and income		X
3	8017	Springfield	Hampden	Minority and income		X
4	8017	Springfield	Hampden	Minority and income		X
5	8017	Springfield	Hampden	Minority and income	X	
6	8017	Springfield	Hampden	Minority and income		X
1	8018	Springfield	Hampden	Minority and income		X
2	8018	Springfield	Hampden	Minority and income		X
3	8018	Springfield	Hampden	Minority and income	X	
4	8018	Springfield	Hampden	Minority, income and English isolation		X
5	8018	Springfield	Hampden	Minority and income	X	
1	8019	Springfield	Hampden	Minority and income	X	
2	8019	Springfield	Hampden	Minority and income	X	
1	8019.02	Springfield	Hampden	Minority, income and English isolation		X
2	8019.02	Springfield	Hampden	Minority and income		X
3	8019.02	Springfield	Hampden	Minority, income and English isolation	X	
1	8020	Springfield	Hampden	Minority, income and English isolation		X
2	8020	Springfield	Hampden	Minority, income and English isolation	X	
3	8020	Springfield	Hampden	Minority, income and English isolation	X	
1	8021	Springfield	Hampden	Minority and income	X	
2	8021	Springfield	Hampden	Minority	X	
3	8021	Springfield	Hampden	Minority	X	
4	8021	Springfield	Hampden	Minority	X	
5	8021	Springfield	Hampden	Minority and income	X	
6	8021	Springfield	Hampden	Minority and income	X	

Block Group	Census Tract	Municipality	County	EJ Characteristic	1 Mile	5 miles
1	8022	Springfield	Hampden	Minority and income	X	
2	8022	Springfield	Hampden	Minority, income and English isolation	X	
3	8022	Springfield	Hampden	Minority and income	X	
1	8023	Springfield	Hampden	Minority and income	X	
2	8023	Springfield	Hampden	Minority	X	
3	8023	Springfield	Hampden	Minority, income and English isolation	X	
4	8023	Springfield	Hampden	Minority and income	X	
5	8023	Springfield	Hampden	Minority and income	X	
1	8024	Springfield	Hampden	Minority		X
2	8024	Springfield	Hampden	Minority		X
3	8024	Springfield	Hampden	Minority	X	
4	8024	Springfield	Hampden	Minority and income	X	
1	8025	Springfield	Hampden	Minority		X
2	8025	Springfield	Hampden	Minority		X
3	8025	Springfield	Hampden	Minority and income		X
4	8025	Springfield	Hampden	Minority	X	
5	8025	Springfield	Hampden	Minority and income	X	
6	8025	Springfield	Hampden	Minority	X	
1	8026	Springfield	Hampden	Minority and income	X	
2	8026	Springfield	Hampden	Minority	X	
3	8026	Springfield	Hampden	Minority and income	X	
4	8026	Springfield	Hampden	Minority and income	X	
5	8026	Springfield	Hampden	Minority and income	X	
6	8026	Springfield	Hampden	Minority	X	
1	8026.02	Springfield	Hampden	Minority	X	
1	8107	Chicopee	Hampden	Minority and income		X
2	8107	Chicopee	Hampden	Minority		X
3	8107	Chicopee	Hampden	Minority and income		X
4	8107	Chicopee	Hampden	Minority and income		X
5	8107	Chicopee	Hampden	Minority		X
1	8108	Chicopee	Hampden	Minority and income		X
2	8108	Chicopee	Hampden	Minority and income		X
3	8108	Chicopee	Hampden	Minority		X

Block Group	Census Tract	Municipality	County	EJ Characteristic	1 Mile	5 miles
1	8109	Chicopee	Hampden	Minority and income		X
2	8109	Chicopee	Hampden	Minority and income		X
1	8109.02	Chicopee	Hampden	Minority		X
2	8109.02	Chicopee	Hampden	Minority		X
3	8109.02	Chicopee	Hampden	Minority and income		X
4	8109.02	Chicopee	Hampden	Minority and income		X
4	8110	Chicopee	Hampden	Income		X
1	8122	West Springfield	Hampden	Minority and income		X
2	8122	West Springfield	Hampden	Minority and income		X
3	8122	West Springfield	Hampden	Minority and income		X
2	8122.02	West Springfield	Hampden	Income		X
3	8122.02	West Springfield	Hampden	Minority and income		X
4	8122.02	West Springfield	Hampden	Minority and income		X
1	8123	West Springfield	Hampden	Minority and income		X
2	8123	West Springfield	Hampden	Minority and income		X
3	8123	West Springfield	Hampden	Minority and income		X
4	8123	West Springfield	Hampden	Minority and income		X
5	8123	West Springfield	Hampden	Minority and income		X
1	8124.03	West Springfield	Hampden	Minority		X
2	8124.03	West Springfield	Hampden	Minority and income		X
1	8124.04	West Springfield	Hampden	Minority		X
2	8132.07	Agawam	Hampden	Income		X
2	8132.08	Agawam	Hampden	Income		X

Appendix H

Historic and Archaeological Information

RECEIVED
AUG 30 2022
MASS. HIST. COMM

Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Jamey Tesler, Secretary & CEO
Jonathan L. Gulliver, Highway Administrator

massDOT
Massachusetts Department of Transportation
Highway Division

RC.67806

August 26, 2022

CONCURRENCE. Brona Simon
9/27/22
BRONA SIMON
STATE HISTORIC
PRESERVATION OFFICER
MASSACHUSETTS
HISTORICAL COMMISSION

Ms. Brona Simon
State Historic Preservation Officer
Massachusetts Historical Commission
220 Morrissey Boulevard
Boston, MA 02125

RE: SPRINGFIELD: MassDOT# 608717
Reconstruction of Sumner Ave. at Dickinson St. and Belmont Ave. (The "X")
Section 106 Review - No Adverse Effect
Section 4(f) Evaluation – Temporary Occupancies – No 4(f) Use

Dear Ms. Simon:

The Massachusetts Department of Transportation, Highway Division (MassDOT) and the City of Springfield propose to expend federal funds to reconstruct the six-legged intersection of Sumner Avenue, Dickinson Street, and Belmont Street, known locally as the "X," in the Forest Park neighborhood. The project corridor along Sumner Avenue is adjacent to **Forest Park**, which MassDOT Cultural Resources Unit (CRU) staff has identified as eligible for listing in the National Register of Historic Places. MassDOT has reviewed this project under the terms of the 2004 Massachusetts Statewide Programmatic Agreement for Section 106 of the National Historic Preservation Act of 1966, as amended [36 CFR Part 800.3(a)(2)] and has determined that the project will have **No Adverse Effect** on any NR–eligible properties.

Current Conditions

The "X" is a heavily traveled intersection with a higher-than-average crash rate, outmoded vertical pole-mounted traffic signals, and limited turning movements. Sumner Avenue carries two through lanes in either direction (eastbound/westbound) plus dedicated right turn lanes on both sides of the Dickinson Street intersection, but no left turns permitted onto Dickinson Street. Dickinson Street carries one through lane in either direction (northbound/southbound) across Sumner Avenue, with no left turns permitted onto Sumner Avenue. Belmont Avenue carries one travel lane diagonally in either direction (northeast/southwest), but traffic on Belmont Avenue is no longer able to cross the "X" as the intersection originally had been designed. Through traffic traveling in either direction on Belmont Avenue is now diverted onto Sumner Avenue, eastbound or westbound, prior to Dickinson Street before being able to turn right from Sumner Avenue to continue onto Belmont Avenue. Sidewalks are located around the "X" but are not fully ADA compliant. No bicycle accommodations are available.

Project Description

Sumner Avenue will be reconstructed on either side of Dickenson Street from Churchill Street on the east to Pomona Street on the west, a distance of 3,500-ft. Sumner Street also will be widened by approximately 5-ft. within the existing highway layout to provide shoulders for bicycle accommodation. Dickenson Street will be reconstructed on either side of Sumner Avenue from Burlington Street/Granada Terrace on the north to Cliftwood Street on the south.

The proposed project will include constructing a roundabout on the southerly side of Sumner Avenue one block south of the "X" at the intersection of Belmont Avenue and Commonwealth Avenue. Belmont Avenue will resume two-way traffic south of the roundabout. The roundabout will carry northbound traffic from Belmont Avenue onto Commonwealth Avenue, westerly onto Trenton Street, and then to northbound Dickinson Avenue.

Belmont Avenue will be converted to one-way traffic traveling northwest on the northerly side of Sumner Avenue and one-way traffic traveling southeast on the southerly side of Sumner Avenue. Sidewalk extensions at the Belmont Avenue approaches to Sumner Street will create perpendicular alignments at the intersections, precluding Belmont Avenue from crossing the Sumner Avenue /Dickinson Street intersection.

Mast arm traffic signals will be installed at throughout the intersection to replace the existing vertical pole-mounted signals. ADA-compliant sidewalks will be reconstructed along existing alignments throughout the project area.

Several side streets in the vicinity of the "X" also will be reconstructed, including Burlington Street, Ormond Street, Driftwood Street, and a segment of Oakland Street.

The project initially proposed the construction of a second roundabout on Belmont Avenue north of Sumner Avenue and two ADA-compliant shared-use paths within nearby Forest Park. The second roundabout and both shared-use paths, however, have been removed from the scope of work and will not be constructed.

National Register-eligible properties

Five civic and religious buildings that are included in the Inventory of Historic and Archaeological Assets of the Commonwealth are located on Oakland Street between Sumner Avenue and Dickinson Street near the easterly limit of the project corridor along Sumner Avenue. Constructed 1896-1937, the five buildings include: **Kesser-Israel Synagogue (SPR.3853), Forest Park Center (SPR.3854), All Saints Episcopal Church (SPR.3855), Forest Park Branch Library (SPR.3770); and Forest Park Middle School (SPR.3856)**. Kesser-Israel Synagogue and Forest Park School are immediately adjacent to the project corridor at the southerly end of Oakland Street at the T-intersection of Sumner Avenue. This section of Oakland Street appears to constitute a historic district that is eligible for listing in the National Register.

Trinity Methodist Episcopal Church (SPR.3865), on the southerly side of Sumner Avenue across from the Oakland Street intersection, is a fine Neo-Gothic-style stone church constructed

in 1924. Trinity Methodist Episcopal Church also would be a contributing property in the potentially National Register-eligible historic district along Oakland Street.

The easterly limit of the project corridor along Sumner Avenue extends to the easterly side of Churchill Street, which forms the southeasterly boundary of the National Register-listed Forest Park Heights Historic District. No contributing properties within the National Register-listed historic district are immediately adjacent to the project corridor.

Two inventoried properties adjacent to the project corridor along Dickenson Street do not appear to be eligible for listing in the National Register. The ca. 1924 Neo-classical-style **Chapin Block (SPR.3788),**401 Dickinson Street at Sumner Avenue, has been altered with modern storefronts and does not exhibit the distinguishing characteristics necessary for individual listing in the National Register. The **Holy Name Complex (SPR.BV)**, located on Dickinson Street at the northerly limit of the project area north of Granada Terrace, does not appear to meet the necessary requirements under Criterion Consideration A for the individual listing of religious properties in the National Register.

Forest Park

Forest Park is Springfield's oldest and largest public park. Founded in 1884, Forest Park extends from the southerly side of Sumner Avenue southwesterly to I-91 along the Connecticut River. The park comprises 735 acres of woodlands and meadows, as well as Porter Lake, a zoo, and athletic fields. The main entrance to Forest Park is along Sumner Avenue near the easterly limit of the project corridor. MassDOT Cultural Resources Unit (CRU) staff engaged the services of Archaeological and Historical Services, Inc. (AHS) to prepare an MHC inventory Form A for **Forest Park (SPR.CT)**, which is enclosed with this submittal. MassDOT concurs with AHS's recommendation that Forest Park is eligible for listing in the National Register as a historic district under Criterion A for community planning and development and Criterion C for its landscape design.

The northeast corner of Forest Park near Sumner Avenue is the oldest section and retains much of its naturalistic character. The contributing ca. 1915 **Sumner Avenue Entrance Gate (SPR.9001)** at Main Greeting Road has fieldstone posts supporting wrought-iron picket gates. Bronze plaques inscribed FOREST PARK are attached to the gate posts. The contributing c.1890 **Forest Park Trolley Pavilion (SPR.2501)** is located near the Sumner Avenue Entrance Gate. The project work adjacent to the park will consist of roadway and ADA-compliant sidewalk reconstruction (see attached plans) within the existing roadway layout. The park entrance posts and gates, landscaping features, and trees along Sumner Avenue will not be removed or modified as part of the project work.

Archaeological Assessment

A review of the MHC's archaeological maps revealed a total of five Native American sites recorded in the vicinity of the APE including: 19-HD-293 (Washington Road Site); 19-HD-294 (Pecousic Brook Site); 19-HD-295 (Trout Pond Site); 19-HD-82 (Indian Fort/Fort Hill Site); and Site 19-HD-151 (Old Fort/Fort Hill Site). Historical-period archaeological sites include:

SPR.HA.2 (Bangs' Dam Remnant); SPR.HA.1 (Springfield Waste Company Dam Remnant); and SPR.HA.7 (the Coomes Dwelling House).

Based on a November 8, 2018 site visit and a review of project plans, aerial photographs, and maps, the MassDOT Archaeologist determined that low archaeological sensitivity can be ascribed to the majority of the project's direct area of potential effects (APE) based on the impacts of past roadway, sidewalk, drainage and utility construction and roadside development. The APE for the proposed shared-use path within Forest Park was considered by the MassDOT Archaeologist to be sensitive for archaeological resources. MassDOT, therefore, engaged the services of AHS to undertake an intensive (locational) archaeological survey of the shared-use path APE. AHS conducted the requested survey under MHC Permit No. 3999.

On February 24, 2020, AHS contacted by letter the Tribal Historic Preservation Offices (THPOs) of the Stockbridge-Munsee Mohican Tribe, the Wampanoag Tribe of Gay Head (Aquinnah), and the Mashpee Wampanoag Tribe, as well as the Executive Director of the Massachusetts Commission on Indian Affairs. In addition to the written notification, AHS e-mailed the THPOs on June 1, 2020 to inform them of the fieldwork schedule. Mr. Mark Andrews, the tribal cultural resource monitor for the Wampanoag Tribe of Gay Head (Aquinnah) was present for the archaeological fieldwork conducted on June 22, 2020.

AHS recovered only modern-era debris (plastic, slag, brick, foil, food wrappers, cigarette butts) from modern fill deposits. No cultural features or structural remains were identified. No historical period or ancient Native American artifacts were found in the APE. MassDOT concurred with AHS's recommendation that no further work is necessary within the APE as it is unlikely to yield significant cultural materials or additional significant information. On October 22, 2020, MassDOT submitted two copies of AHS's final report to the MHC in accordance with the archaeological permit.

The authorization, permitting, and completion of the archaeological survey occurred prior to the removal of the shared-used path from the scope of work by the City of Springfield in early 2022.

Section 4(f) Evaluation – Temporary Occupancy – No 4(f) use

This project requires temporary occupancies, also known as temporary construction easements, on parcels occupied by National Register-eligible properties:

- Forest Park (SPR.CT) along the southerly side of Sumner Avenue, Parcel TE-1 (7,340 sf).
- Kesser-Israel Synagogue (SPR.3853), 17-19 Oakland Street, Parcel TE-9 (1,448 sf)
- Forest Park Middle School (SPR.3856), 46 Oakland Street, Parcel TE-8 (1,504 sf)
- Trinity Methodist Episcopal Church (SPR,3865), 361 Sumner Avenue, Parcel TE-10 (5,093 sf)

The temporary occupancies are necessary to facilitate driveway apron and sidewalk reconstruction, grading, and placing loam and seed. The temporary occupancies are highlighted in yellow on the enclosed right of way plans.

It is MassDOT's opinion that these temporary occupancies will satisfy the five conditions required for a temporary occupancy not to constitute a "use" within the meaning of Section 4(f), pursuant to 23 CFR 774.13(d):

It is MassDOT's opinion that the temporary occupancy listed above will satisfy the five conditions required for a temporary occupancy not to constitute a "use" within the meaning of Section 4(f), pursuant to 23 CFR 774.13(d):

(1) Duration must be temporary, i.e., less than the time needed for construction of the project, and there should be no change in ownership of the land;
(2) Scope of the work must be minor, i.e., both the nature and the magnitude of the changes to the Section 4(f) property are minimal;
(3) There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis;
(4) The land being used must be fully restored, i.e., the property must be returned to a condition which is at least as good as that which existed prior to the project; and
(5) There must be documented agreement of the official(s) with jurisdiction over the Section 4(f) resource regarding the above conditions.

The State Historic Preservation Officer (SHPO) is the official with jurisdiction over historic sites for the purposes of Section 4(f), pursuant to 23 CFR 774.17. Your concurrence with this letter will signify that your office agrees with MassDOT's assessment that the proposed temporary occupancy does not constitute a "use" of a historic site under Section 4(f) and that the conditions listed above have been satisfied, pursuant to Condition 5 above.

No fee takings or permanent easements are required on properties that are listed or eligible for listing in the National Register.

Section 106 Consultation and Effect Finding

An early coordination letter was sent to the Springfield Historical Commission (SHC) on February 28, 2018. A copy was forwarded to the MHC. To date, MassDOT has received no comments from the SHC.

It is MassDOT's opinion that the proposed project work will have **No Adverse Effect** on the National Register-eligible **Forest Park Historic District (SPR.CT)** or an any contributing properties with the potentially National Register-eligible historic district along Oakland Street including **Kesser-Israel Synagogue (SPR.3853),Trinity Church (SPR.3865),, and Forest Park School (SPR.3856).** MassDOT solicits your concurrence with our **No Adverse Effect** finding for the project in accordance with Stipulation V.C.1 of the amended Section 106 Programmatic Agreement. A copy of this letter will be forwarded to the Federal Highway Administration. If you should have any questions, please feel free to contact me at jameson.harwood@dot.state.ma.us.

Sincerely,

Jameson Harwood
Cultural Resources Supervisor
Environmental Services

cc: C. Campetti, FHWA w/o atts.
S. Holland, MassDOT w/o atts.

encs: Construction and ROW Plans
Maps & Photographs
LHC notification letter Feb 28, 2018
Forest Park inventory form

AHS CULTURAL RESOURCE MANAGEMENT

ARCHAEOLOGICAL AND
HISTORICAL SERVICES, INC.
569 Middle Turnpike
P.O. Box 543
Storrs, CT 06268
www.ahs-inc.biz

February 24, 2020

Ms. Bettina Washington
Tribal Historic Preservation Officer
Wampanoag Tribe of Gay Head (Aquinnah)
20 Black Brook Road
Aquinnah, MA 02535

Re: Contract No. 107360, Statewide Open Services
Sumner Avenue Improvement Project (MassDOT Project No. 608717)
Springfield, Massachusetts
MassDOT Assignment #2

Dear Ms. Washington:

The Massachusetts Department of Transportation (MassDOT) has retained Archaeological and Historical Services, Inc. (AHS) to conduct an intensive (locational) archaeological survey of two small areas that will be affected by the Sumner Avenue Improvement Project. The project is considered an undertaking under Section 106 of the National Historic Preservation Act of 1966, as amended.

The Cultural Resources Unit (CRU) of MassDOT evaluated the project area in order to assess its archaeological sensitivity, and specifically targeted two areas that may be sensitive. The areas are two proposed shared-use paths within Forest Park, one 2150 feet long and one 390 feet long (Figure 1). The CRU requested that AHS conduct an intensive (locational) survey of the area, the purpose of which is to determine the presence or absence of archaeological sites related to Native American and/or Euro-American use of the area which may be affected by the proposed undertaking.

AHS is conducting the survey to assist MassDOT in complying with federal and state regulations regarding significant cultural resources. By this letter we are informing you of the survey, inviting you to comment on the proposed project, and requesting any information regarding the project area you are willing to share.

I look forward to hearing from you. Should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Mary G. Harper
President

MGH/rlb
Enclosures
Via certified mail
cc: James Harwood, MassDOT via email

AHS CULTURAL RESOURCE MANAGEMENT

ARCHAEOLOGICAL AND
HISTORICAL SERVICES, INC.
569 Middle Turnpike
P.O. Box 543
Storrs, CT 06268
www.ahs-inc.biz

February 24, 2020

Mr. David Weeden
Tribal Historic Preservation Office
Mashpee Wampanoag Tribe
483 Great Neck Road South
Mashpee, MA 02649

Re: Contract No. 107360, Statewide Open Services
Sumner Avenue Improvement Project (MassDOT Project No. 608717)
Springfield, Massachusetts
MassDOT Assignment #2

Dear Mr. Weeden:

The Massachusetts Department of Transportation (MassDOT) has retained Archaeological and Historical Services, Inc. (AHS) to conduct an intensive (locational) archaeological survey of two small areas that will be affected by the Sumner Avenue Improvement Project. The project is considered an undertaking under Section 106 of the National Historic Preservation Act of 1966, as amended.

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Sincerely,

Mary G. Harper
President

MGH/rlb
Enclosures
Via certified mail
cc: James Harwood, MassDOT via email

AHS CULTURAL RESOURCE MANAGEMENT

ARCHAEOLOGICAL AND
HISTORICAL SERVICES, INC.
569 Middle Turnpike
P.O. Box 543
Storrs, CT 06268
www.ahs-inc.biz

February 24, 2020

Mr. Nathan Allison
Tribal Historic Preservation Officer
Stockbridge-Munsee Mohican Tribal Historic Preservation Extension Office
65 1st Street
Troy, NY 12180

Re: Contract No. 107360, Statewide Open Services
Sumner Avenue Improvement Project (MassDOT Project No. 608717)
Springfield, Massachusetts
MassDOT Assignment #2

Dear Mr. Allison:

The Massachusetts Department of Transportation (MassDOT) has retained Archaeological and Historical Services, Inc. (AHS) to conduct an intensive (locational) archaeological survey of two small areas that will be affected by the Sumner Avenue Improvement Project. The project is considered an undertaking under Section 106 of the National Historic Preservation Act of 1966, as amended.

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I look forward to hearing from you. Should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Mary G. Harper
President

MGH/rlb
Enclosures
Via certified mail
cc: James Harwood, MassDOT via email

From: Meg Harper
To: Bettina Washington (bettina@wampanoagtribe.net)
Cc: Harwood, Jameson (DOT)
Subject: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA
Date: Monday, June 1, 2020 1:03:14 PM
Attachments: image001.png
nc.pdf
b washington.docx

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Dear Ms. Washington,

This email is to provide our fieldwork schedule for conducting an intensive (locational) archaeological survey of the above-referenced project. The survey was previously described in a notification letter to you on February 24, 2020 (see attached). Please note that the smaller cross-country shared-use path is no longer part of the project. The archaeological testing will be confined to the longer path depicted in yellow on the attached graphic.

Weather permitting, we expect to begin the testing on Monday June 15, 2020. The testing should be completed within one week.

Should you have any questions, please do not hesitate to contact me. Because I am working partly from home, please feel free to call me cell phone at 860-985-8149.

Best regards,

Meg Harper

Mary Guillette Harper
AHS, Inc.
860-429-2142 (voice)
860-429-1724 (fax)
Click here for our new web site: www.ahs-inc.biz
AHS CULTURAL RESOURCE MANAGEMENT

From:	Meg Harper
To:	David Weeden
Cc:	Harwood, Jameson (DOT)
Subject:	MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA
Date:	Monday, June 1, 2020 1:00:58 PM
Attachments:	image001.png d weeden.docx nc.pdf

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Dear Mr. Weeden,

This email is to provide our fieldwork schedule for conducting an intensive (locational) archaeological survey of the above-referenced project. The survey was previously described in a notification letter to you on February 24, 2020 (see attached). Please note that the smaller cross-country shared-use path is no longer part of the project. The archaeological testing will be confined to the longer path depicted in yellow on the attached graphic.

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Best regards,

Meg Harper

Mary Guillette Harper
AHS, Inc.
860-429-2142 (voice)
860-429-1724 (fax)
Click here for our new web site: www.ahs-inc.biz



From: Meg Harper
To: nathan.allison@mohican-nsn.gov
Cc: Harwood, Jameson (DOT)
Subject: FW: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA
Date: Monday, June 1, 2020 1:02:15 PM
Attachments: image001.png
nc.pdf
n allison.docx

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

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Best regards,

Meg Harper

Mary Guillette Harper
AHS, Inc.
860-429-2142 (voice)
860-429-1724 (fax)
Click here for our new web site: www.ahs-inc.biz

From:	Harwood, Jameson (DOT)
To:	Bettina Washington (bettina@wampanoagtribe.net)
Cc:	Campetti, Leigh (FHWA); Mary Harper <mharper@ahs-inc.biz> (mharper@ahs-inc.biz); Shrimpton, Jeffrey P. (DOT); Mark Andrews
Subject:	RE: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA
Date:	Tuesday, July 14, 2020 9:24:00 AM
Attachments:	Springfield (608717) Archaeological survey fieldwork memo.pdf image001.png

Ms. Washington,

Please find attached for your records the fieldwork completion memo for the above referenced MassDOT project in Springfield. MassDOT will send you the final report when it is available. Please feel free to contact me if you have any questions.

Thank you,
Jamie

Jameson M. Harwood – MassDOT Archaeologist
Archaeology / Contracts
MassDOT Environmental
10 Park Plaza – Room 4260
Boston, MA 02116
857-368-8799

From: Meg Harper <mharper@ahs-inc.biz>
Sent: Monday, June 1, 2020 1:02 PM
To: Bettina Washington (bettina@wampanoagtribe.net) <bettina@wampanoagtribe.net>
Cc: Harwood, Jameson (DOT) <Jameson.Harwood@dot.state.ma.us>
Subject: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Dear Ms. Washington,

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Should you have any questions, please do not hesitate to contact me. Because I am working partly from home, please feel free to call me cell phone at 860-985-8149.

Best regards,

Meg Harper

Mary Guillette Harper
AHS, Inc.
860-429-2142 (voice)
860-429-1724 (fax)
Click here for our new web site: www.ahs-inc.biz



From:	Harwood, Jameson (DOT)
To:	David Weeden
Cc:	Campetti, Leigh (FHWA); Meg Harper; Shrimpton, Jeffrey P. (DOT)
Subject:	RE: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA
Date:	Tuesday, July 14, 2020 9:18:00 AM
Attachments:	image001.png Springfield (608717) Archaeological survey fieldwork memo.pdf

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David,

Please find attached for your records the fieldwork completion memo for the above referenced MassDOT project in Springfield. MassDOT will send you the final report when it is available. Please feel free to contact me if you have any questions.

Thank you,
Jamie

Jameson M. Harwood – MassDOT Archaeologist
Archaeology / Contracts
MassDOT Environmental
10 Park Plaza – Room 4260
Boston, MA 02116
857-368-8799

From: Meg Harper <mharper@ahs-inc.biz>
Sent: Monday, June 1, 2020 12:59 PM
To: David Weeden <David.Weeden@mwtribe-nsn.gov>
Cc: Harwood, Jameson (DOT) <Jameson.Harwood@dot.state.ma.us>
Subject: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Dear Mr. Weeden,

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from home, please feel free to call me cell phone at 860-985-8149.

Best regards,

Meg Harper

Mary Guillette Harper
AHS, Inc.
860-429-2142 (voice)
860-429-1724 (fax)
Click here for our new web site: www.ahs-inc.biz



From:	Harwood, Jameson (DOT)
To:	nathan.allison@mohican-nsn.gov
Cc:	Campetti, Leigh (FHWA); Mary Harper <mharper@ahs-inc.biz> (mharper@ahs-inc.biz); Shrimpton, Jeffrey P. (DOT)
Subject:	RE: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA
Date:	Tuesday, July 14, 2020 9:21:00 AM
Attachments:	Springfield (608717) Archaeological survey fieldwork memo.pdf image001.png

Nathan,

Please find attached for your records the fieldwork completion memo for the above referenced MassDOT project in Springfield. MassDOT will send you the final report when it is available. Please feel free to contact me if you have any questions.

Thank you,
Jamie

Jameson M. Harwood – MassDOT Archaeologist
Archaeology / Contracts
MassDOT Environmental
10 Park Plaza – Room 4260
Boston, MA 02116
857-368-8799

From: Meg Harper <mharper@ahs-inc.biz>
Sent: Monday, June 1, 2020 1:01 PM
To: nathan.allison@mohican-nsn.gov
Cc: Harwood, Jameson (DOT) <Jameson.Harwood@dot.state.ma.us>
Subject: FW: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA

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Best regards,

Meg Harper

Mary Guillette Harper
AHS, Inc.
860-429-2142 (voice)
860-429-1724 (fax)
Click here for our new web site: www.ahs-inc.biz



From: Bettina Washington
To: Harwood, Jameson (DOT)
Subject: RE: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA
Date: Tuesday, July 14, 2020 9:28:52 AM
Attachments: image001.png

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good morning Jamie,
Thank you for the information.

Bettina

From: Harwood, Jameson (DOT) [mailto:jameson.harwood@state.ma.us]
Sent: Tuesday, July 14, 2020 9:25 AM
To: Bettina Washington
Cc: Campetti, Leigh (FHWA); Mary Harper <mharper@ahs-inc.biz> (mharper@ahs-inc.biz); Shrimpton, Jeffrey P. (DOT); Andrews Drywall
Subject: RE: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA

Ms. Washington,

Please find attached for your records the fieldwork completion memo for the above referenced MassDOT project in Springfield. MassDOT will send you the final report when it is available. Please feel free to contact me if you have any questions.

Thank you,
Jamie

Jameson M. Harwood – MassDOT Archaeologist
Archaeology / Contracts
MassDOT Environmental
10 Park Plaza – Room 4260
Boston, MA 02116
857-368-8799

From: Meg Harper <mharper@ahs-inc.biz>
Sent: Monday, June 1, 2020 1:02 PM
To: Bettina Washington (bettina@wampanoagtribe.net) <bettina@wampanoagtribe.net>
Cc: Harwood, Jameson (DOT) <Jameson.Harwood@dot.state.ma.us>
Subject: MassDOT Project No. 608717, Sumner Avenue Improvement Project, Springfield, MA

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Dear Ms. Washington,

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Meg Harper

Mary Guillette Harper
AHS, Inc.
860-429-2142 (voice)
860-429-1724 (fax)
Click here for our new web site: www.ahs-inc.biz



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United States
Postal Service

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MassDOT
Environmental Services
10 Park Plaza, Room 4260
Boston, MA 02116

Attn Jameson Harwood

(Springfield Final Report)

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ms. Bettina Washington, THPO
Wampanoag Tribe of Gay Head (Aquinnah)
20 Black Brook Road
Aquinnah, MA 02535

9590 9402 4754 8344 7152 22

2. Article Number *(Transfer from service label)*

7018 0680 0000 6907 5825

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* BETTINA WASHINGTON

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ ured Mail Restricted Delivery
- er $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

Appendix I

Public Notices

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs

MEPA Office

100 Cambridge St., Suite 900
Boston, MA 02114
Telephone 617-626-1020

The following should be completed and submitted to a local newspaper:

PUBLIC NOTICE OF ENVIRONMENTAL REVIEW

PROJECT: Reconstruction of Sumner Avenue at Dickinson Street and Belmont Avenue (The "X")

LOCATION: Sumner Avenue; Dickinson Street; Belmont Avenue – Springfield, MA

PROPONENT: City of Springfield c/o Christopher M. Cignoli, P.E. Director of Public Works

The undersigned is submitting an Environmental Notification Form ("ENF") to the Secretary of Energy & Environmental Affairs on or before
__July 17, 2023_____ *(date)*

This will initiate review of the above project pursuant to the Massachusetts Environmental Policy Act ("MEPA," M.G.L. c. 30, ss. 61-62L). Digital copies of the ENF may be obtained from:
_Applicant's representative: April Doroski, PWS, CPSS, Fuss & O'Neill_____
adoroski@fando.com/ 413-333-5881_____
(Name, email address, phone number of proponent or proponent's agent)

Electronic copies of the ENF are also being sent to the Conservation Commission and Planning Board of Springfield *(Municipality)***.**

The Secretary of Energy & Environmental Affairs will publish notice of the ENF in the Environmental Monitor, receive public comments on the project, and then decide if an Environmental Impact Report is required. A site visit and/or remote consultation session on the project may also be scheduled. All persons wishing to comment on the project, or to be notified of a site visit and/or remote consultation session, should email MEPA@mass.gov or the MEPA analyst listed in the Environmental Monitor. Requests for language translation or other accommodations should be directed to the same email address. Mail correspondence should be directed to the Secretary of Energy & Environmental Affairs, 100 Cambridge St., Suite 900, Boston, Massachusetts 02114, Attention: MEPA Office, referencing the above project.

By City of Springfield c/o Christopher M. Cignoli, P.E. Director of Public Works *(Proponent)*

Mancomunidad de Massachusetts
Oficina Ejecutiva de Energía y Asuntos Ambientales

Oficina de MEPA

100 Cambridge St., Suite 900
Boston, MA 02114
Teléfono 617-626-1020

Lo siguiente debe completarse y enviarse a un periódico local:

AVISO PÚBLICO DE REVISIÓN AMBIENTAL

PROYECTO: Reconstrucción de la Avenida Summer en la intersección con la calle Dickinson y la Avenida Belmont (The "X")

UBICACIÓN: Avenida Summer; Calle Dickinson; Avenida Belmont – Springfield, MA

PROPONENTE: Ciudad de Springfield c/o Christopher M. Cignoli, P.E. Director de Obras Públicas

El abajo firmante presentará un formulario de notificación ambiental ("ENF") al Secretario de Energía y Asuntos Ambientales el día
17 de Julio 2023 *(fecha)* o antes.

Esto iniciará la revisión del proyecto anterior en conformidad con la Ley de Política Ambiental de Massachusetts ("MEPA", Ley General de Massachusetts [M.G.L.], capítulo 30, secciones 61-62L). Se pueden obtener copias del ENF solicitando a:
Representante del aplicante: April Doroski, PWS, CPSS, Fuss & O'Neill, adoroski@fando.com / 413-333-5881
(Nombre, dirección de correo electrónico, número de teléfono del proponente o agente del proponente)

También se enviarán copias electrónicas del ENF a la Comisión de Conservación y la Junta de Planificación de la Ciudad de Springfield *(Municipio)***.**

El Secretario de Energía y Asuntos Ambientales publicará un aviso del ENF en *Environmental Monitor*, recibirá comentarios públicos sobre el proyecto y luego decidirá si se requiere un informe de impacto ambiental. También se puede programar una visita al sitio o una sesión de consulta remota sobre el proyecto. Todas las personas que deseen hacer comentarios sobre el proyecto, o ser notificados de una visita al sitio o una sesión de consulta remota, deben enviar un correo electrónico a MEPA@mass.gov o al analista de MEPA que figura en *Environmental Monitor*. Las solicitudes de traducción de idiomas u otras adaptaciones deben enviarse a la misma dirección de correo electrónico. La correspondencia por correo debe dirigirse a Secretary of Energy & Environmental Affairs, 100 Cambridge St., Suite 900, Boston, Massachusetts 02114, Attention: MEPA Office, haciendo referencia al proyecto anterior.

Por Ciudad de Springfield c/o Christopher M. Cignoli, P.E. Director de Obras Públicas
(Proponente)

Commonwealth of Massachusetts
Văn Phòng Quản Lý các Vấn Đề về Năng Lượng và Môi Trường Massachusetts

Văn phòng Đạo Luật Chính Sách Môi Trường Massachusetts (MEPA)

100 Cambridge St., Suite 900
Boston, MA 02114
Telephone 617-626-1020

Hoàn thành biểu mẫu sau và gửi cho một tờ báo địa phương:

THÔNG BÁO CÔNG KHAI VỀ ĐÁNH GIÁ MÔI TRƯỜNG

DỰ ÁN: Tái thiết Đại lộ Sumner tại đường Dickinson và đại lộ Belmont (Dự án "X")

ĐỊA ĐIỂM: Đại lộ Sumner; Đường Dickinson; Đại lộ Sumner Belmont – Springfield, MA

NGƯỜI ĐỀ XUẤT: Thành phố Springfield, gởi đến Christopher M. Cignoli, P.E. Giám đốc Công trình công cộng

Biểu Mẫu Thông Báo Môi Trường ("ENF") được nộp bởi người ký tên dưới đây cho Giám đốc Văn Phòng Quản Lý Các Vấn Đề Về Năng Lượng và Môi Trường vào hoặc trước Ngày 17 tháng 7 năm 2023 *(ngày)*

Đây sẽ là tiền đề cho việc xem xét dự án trên theo Đạo Luật Chính Sách Môi Trường Massachusetts ("MEPA," MGL Chương 30, Mục 61-62L). Các bản sao của ENF có sẵn tại:
Đại diện của người đăng ký : April Doroski, PWS, CPSS, Fuss & O'Neill

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(Tên, địa chỉ email, số điện thoại của người đề xuất hoặc đại diện của người đề xuất)

Các bản sao điện tử của ENF cũng sẽ được gửi tới Ban Bảo Tồn và Ban Kế Hoạch của Springfield *(Thành phố)***.**

Giám đốc Văn Phòng Quản Lý Các Vấn Đề Về Năng Lượng và Môi Trường sẽ công bố thông báo của ENF trên tạp chí Environmental Monitor, tiếp nhận ý kiến cộng đồng về dự án và sau đó quyết định xem có cần thực hiện Báo cáo Tác động Môi trường hay không. Một chuyến khảo sát thực địa và/hoặc buổi tư vấn

từ xa về dự án cũng có thể được lên lịch. Tất cả những người muốn góp ý về dự án, hoặc được thông báo về một chuyến khảo sát thực địa và/hoặc phiên tư vấn từ xa, nên gửi emailMEPA@mass.gov hoặc nhà phân tích MEPA được liệt kê trong phần Giám Sát Môi Trường. Các yêu cầu về bản dịch ngôn ngữ hoặc các sắp xếp tiện nghi khác phải được gửi đến cùng một địa chỉ email. Thư có thể được gửi đến Bộ Trưởng Năng Lượng & Môi Trường, 100 Cambridge St., Suite 900, Boston, Massachusetts 02114, Người nhận: Văn phòng MEPA, tham khảo dự án trên.

Bởi Thành phố Springfield, gởi đến Christopher M. Cignoli, P.E. Giám đốc Công trình công cộng *(Người đề xuất)*