

THE COMMONWEALTH OF MASSACHUSETTS
MASSACHUSETTS HIGHWAY DEPARTMENT

BROADWAY SIDEWALK RECONSTRUCTION

IN THE CITY OF
CAMBRIDGE
MIDDLESEX COUNTY

CAMBRIDGE
BROADWAY

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	1	12

PROJECT FILE NO. 605684

TITLE AND INDEX SHEET

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 2006, THE SUPPLEMENTAL SPECIFICATIONS DATED JUNE 6, 2006, THE LATEST ENGLISH CONSTRUCTION AND TRAFFIC STANDARD DETAILS, THE METRIC/ENGLISH SUPPLEMENTAL DRAWINGS DATED APRIL 2003, THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE 1980 EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-1996), AND ALL AMENDMENTS WILL GOVERN.

INDEX

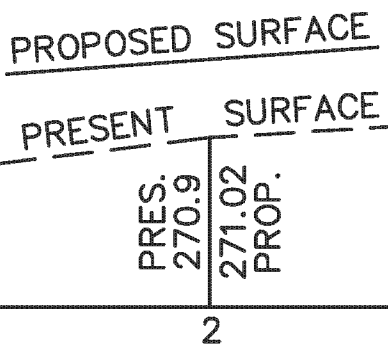
SHEET NO.	DESCRIPTION
1	TITLE AND INDEX SHEET
2	LEGEND AND GENERAL NOTES
3	TYPICAL SECTIONS AND PAVEMENT NOTES
4-5	CONSTRUCTION PLANS
6	PROFILE
7-8	TRAFFIC SIGNAL PLANS
9-12	CROSS SECTIONS

DESIGN DESIGNATION

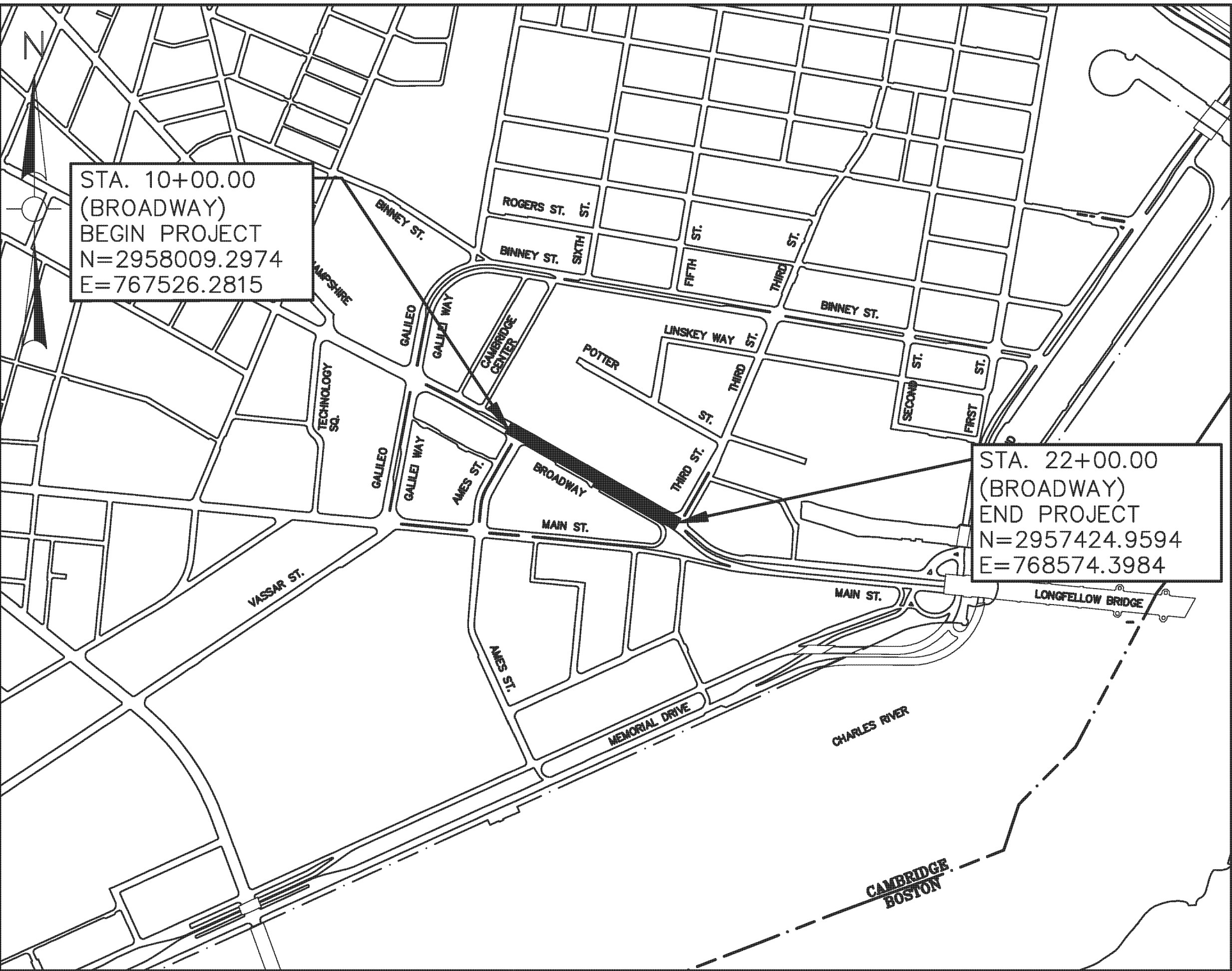
	BROADWAY	THIRD STREET	AMES STREET
SPEED	35 M.P.H.	35 M.P.H.	35 M.P.H.
ADT (2009)	17,676	10,096	7,378
AADT (2029)	21,564	12,317	9,001
K (AADT-PEAK HR)	7.9%	9.4%	9.5%
D (PEAK HR-HEAVY)	51%	51%	54%
T (PEAK HOUR)	3.5%	4.4%	12.9%
DHV	712	484	379
DDHV	712	484	379
FUNCTIONAL CLASS.	COLLECTOR	LOCAL	LOCAL

CONVENTIONAL SYMBOLS

COUNTY, CITY, OR TOWN BOUNDARY	----
COUNTY, CITY, OR TOWN SIDE LINE	----
FENCE LINE	-x-x-x-
BASE LINE OR SURVEY LINE	N 03°45'52" E 350.00 feet
RIGHT OF WAY LINE	----
CULVERT	----



ELEVATIONS	----
POLE	○



LOCATION MAP
N.T.S.

25% DESIGN SUBMISSION

SEPTEMBER 2009

PROJECT LENGTH = 1200.00 FEET = 0.227 MILES
SCALES AS NOTED

MASS HIGHWAY

MASSACHUSETTS
HIGHWAY DEPARTMENT

RECOMMENDED FOR APPROVAL

CHIEF ENGINEER Date

APPROVED

MHD COMMISSIONER Date

Weston&Sampson

Weston & Sampson
100 Foxborough Blvd., S.250, Foxborough, MA

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED

DIVISION ADMINISTRATOR Date

ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME

EXISTING	PROPOSED
----------	----------

PAVEMENT MARKINGS AND SIGNING SYMBOLS	
EXISTING	PROPOSED
	 PAVEMENT ARROW AND LEGEND
	 CROSSWALK, 2-12" WHITE LINES (WIDTH NOTED)
	 STOP LINE, 12" WHITE LINE 4' BEHIND CW (TYP.)
	SWLL BWLL SWCHL SYCHL BYCL DYCL SWEL SOLID WHITE LANE LINE - 6" BROKEN WHITE LANE LINE - 6" SOLID WHITE CHANNELIZING LINE - SIZE AS NOTED SOLID YELLOW CHANNELIZATION LINE - SIZE AS NOTED BROKEN YELLOW CENTERLINE - 6" DOUBLE YELLOW CENTERLINE-2-6" LINES SOLID WHITE EDGE LINE - 6"
	SIGN AND POST DELINEATOR
	 YIELD GRAPHIC (SHARKS TEETH)
	 BICYCLE GRAPHIC

UTILITIES

GENERAL

DRAIN STRUCTURE/INVERT ASSIGNMENT



2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
 3. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
 4. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY OWNER.
 5. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
 6. THE TERM "PROPOSED (PROP)" INDICATES WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET (R&R)".
 7. JOINTS BETWEEN NEW HOT MIX ASPHALT PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACKSANDS.
 8. ALL EXISTING STATE, COUNTY AND CITY LOCATION LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND THEIR EXACT LOCATION ARE NOT GUARANTEED.
 9. TREES AND SHRUBS WITHIN THE LIMITS OF WORK SHALL BE REMOVED ONLY UPON THE APPROVAL OF THE ENGINEER OR AS NOTED ON THE PLANS.
 10. ALL PROPOSED PAVEMENT MARKINGS SHALL BE EPOXY AND SHALL MEET EXISTING MARKINGS AT THE LIMIT OF WORK.
 11. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND STACKED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 12. THE CONTRACTOR SHALL RESTORE THE EXISTING SURFACE PAVEMENTS AND TURF DISTURBED BY THE PROPOSED WORK AND SHALL PATCH ALL HOLES RESULTING FROM THE REMOVAL OF FOUNDATIONS WITH MATERIALS SIMILAR TO EXISTING.
 13. GRANITE CURB REMOVED SHALL BE RESET, STACKED OR DISCARDED AS DIRECTED BY THE ENGINEER. GRANITE CURB TO BE RESET SHALL NOT BE RANDOMLY MIXED WITH NEW CURB, BUT SHALL BE RESET SO AS TO GIVE A UNIFORM APPEARANCE TO THE CURB.
 14. ALL BASELINE TIES FOR CURB CORNERS AND RADII ARE TO THE PC'S OR PT'S, UNLESS OTHERWISE NOTED. WHERE PROPOSED GRANITE CURB MEETS EXISTING CURB OR EXISTING ROADWAY AND DRIVEWAY PAVEMENT EDGES, MINOR FIELD ADJUSTMENTS TO EITHER THE DESIGNATED CURB RADIUS OR STATION OF THE PC OR PT FOR THE PROPOSED CURB MAY BE REQUIRED. THESE ADJUSTMENTS SHALL BE MADE IN THE FIELD BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
 15. THE CONTRACTOR SHALL NOTIFY "DIGSAFE" 72 HOURS PRIOR TO THE INITIATION OF WORK AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY STATE/LOCAL PERMITS AND/OR APPROVALS.
- DIG SAFE: 1-888-344-7233
16. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING TREES WITHIN PROJECT LIMITS.
 17. RETAIN ALL UTILITIES WITHIN APPROXIMATE PROPOSED WALK INCLUDING PULL BOXES, LIGHT BASES, GATES, HYDRANTS AND MANHOLES UNLESS OTHERWISE NOTED. COORDINATE WITH UTILITY OWNER FOR ANY NECESSARY ADJUSTMENT OF EXISTING UTILITY STRUCTURES IMPACTED BY THE WORK.
 18. RETAIN ALL EXISTING UTILITIES WITHIN PROPOSED COLD PLANE AND OVERLAY LIMITS. CONTRACTOR RESPONSIBLE FOR COORDINATING WITH UTILITY OWNER FOR ANY NECESSARY ADJUSTMENT OF EXISTING UTILITY STRUCTURES IMPACTED BY THE WORK.
 19. REMOVE AND STACK ALL EXISTING CURB CORNERS IMPACTED BY THE WORK.
 20. RETAIN ALL EXISTING UTILITIES WITHIN EXISTING GRASS ISLANDS.
 21. REMOVE AND RESET ALL EXISTING GRANITE CURB (SEE SPECIAL PROVISIONS).

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	2	12
PROJECT FILE NO. 605684				

LEGEND AND GENERAL NOTES

CAMBRIDGE
BROADWAY

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	3	12

PROJECT FILE NO. 605684

TYPICAL SECTIONS
AND PAVEMENT NOTES

PAVEMENT NOTES

PROPOSED FULL DEPTH RECONSTRUCTION:

SURFACE: 2" HOT MIX ASPHALT – MODIFIED TOP COURSE PLACED IN ONE COURSE

BASE: 4" HOT MIX ASPHALT BASE COURSE – BINDER MATERIAL PLACED IN ONE COURSE

SUBBASE: 4" DENSE GRADED CRUSHED STONE FOR SUB-BASE OVER 8" GRAVEL BORROW, TYPE B OVER ORDINARY BORROW AS REQUIRED

PROPOSED COLD PLANE AND PAVEMENT OVERLAY:

SURFACE: 2" HOT MIX ASPHALT MODIFIED TOP COURSE MATERIAL.

BITUMEN FOR TACK COAT (RS-1) AT 0.10 GAL/SY OVER EXISTING PAVEMENT.

COLD PLANE VARIABLE DEPTH TO MEET PROPOSED GRADING

PROPOSED HOT MIX ASPHALT DRIVEWAY:

SURFACE: 3 1/2" HOT MIX ASPHALT (1 1/2" SURFACE COURSE TYPE A OVER 2" INTERMEDIATE COURSE TYPE A)

SUBBASE: 8" GRAVEL BORROW, TYPE B

PROPOSED CEMENT CONCRETE WALK:

SURFACE: 4" CEMENT CONCRETE

SUBBASE: 8" GRAVEL BORROW, TYPE B

PROPOSED CEMENT CONCRETE SIDEWALK AT DRIVE:

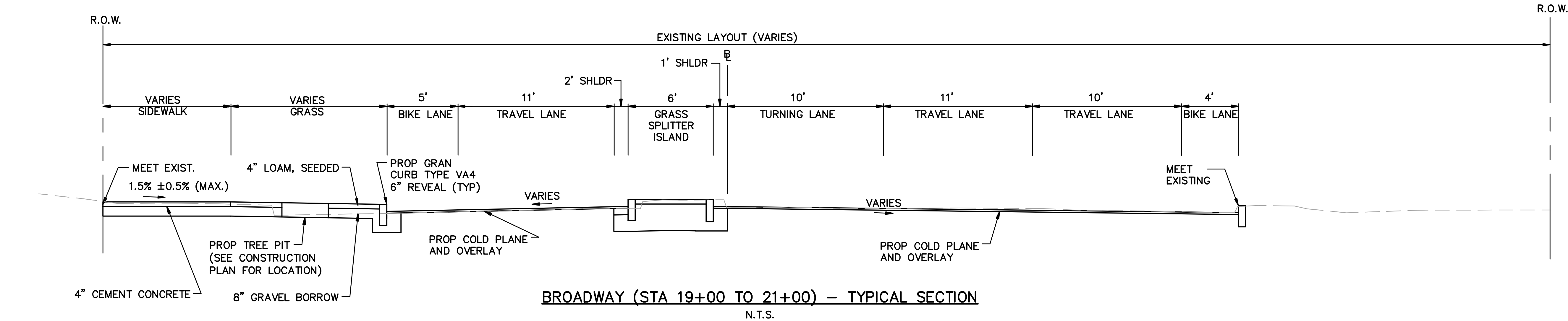
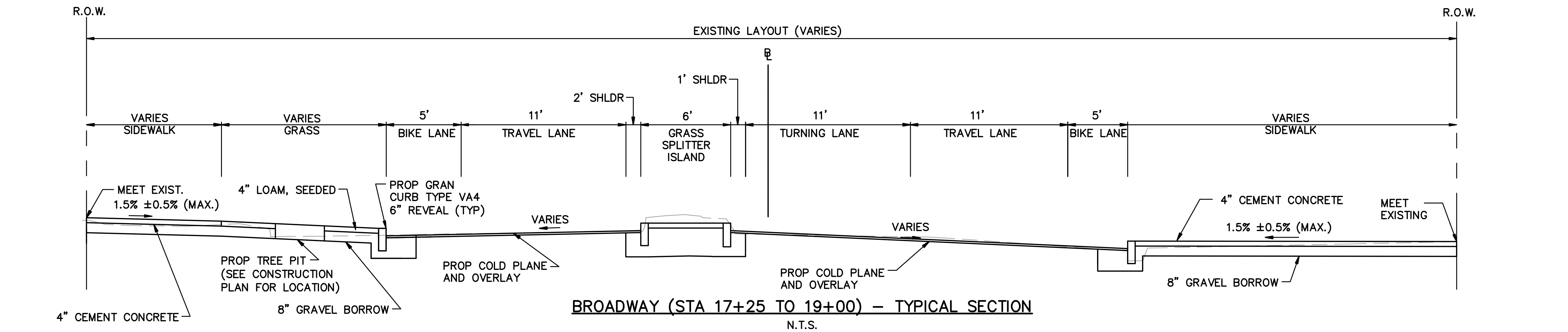
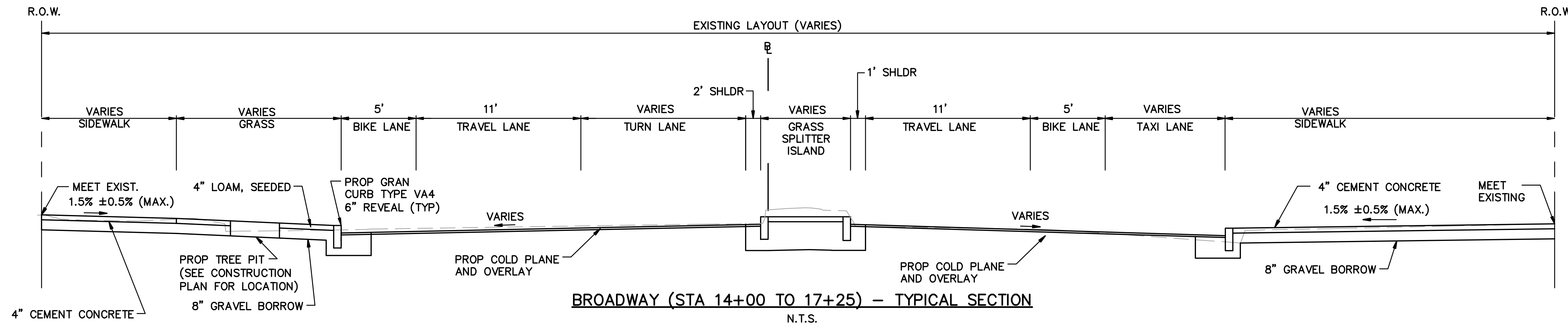
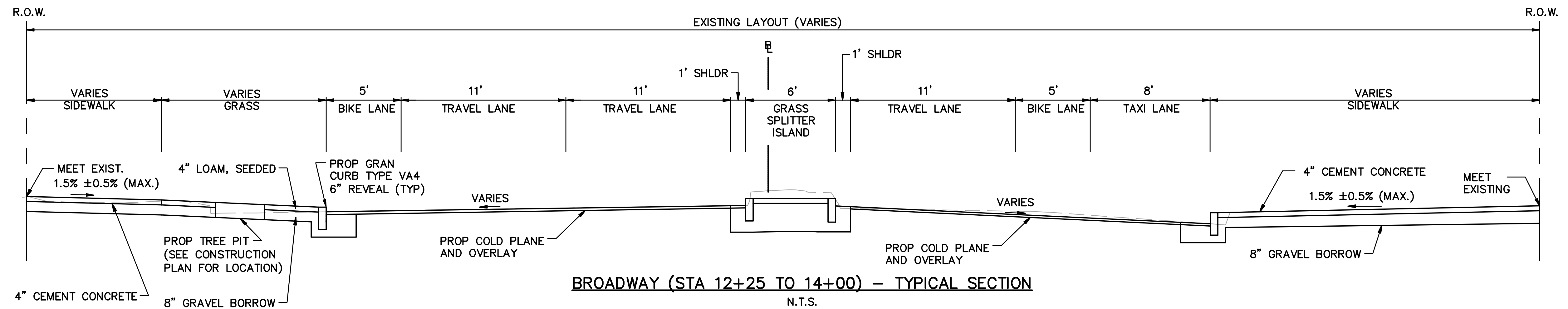
SURFACE: 6" CEMENT CONCRETE

SUBBASE: 8" GRAVEL BORROW, TYPE B

PROPOSED CEMENT CONCRETE WHEELCHAIR RAMP:

SURFACE: 6" CEMENT CONCRETE

SUBBASE: 8" GRAVEL BORROW, TYPE B



IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME

WESTON & SAMPSON

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	4	12
PROJECT FILE NO. 605684				

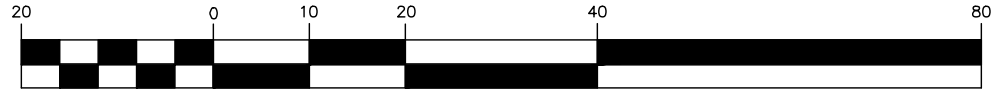
STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
SEE BELOW

WATER SUPPLY ALTERATIONS
SEE BELOW

LIGHTING DETAILS
NONE

LANDSCAPING & PLANTING DETAILS
SEE LANDSCAPING PLAN



(IN FEET)
1 inch = 20 ft.

SEE SHEET 6 FOR PROFILE

IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DWGNAME _____

STEEL W BEAM HIGHWAY GUARD

NONE

DRAINAGE DETAILS

SEE BELOW

WATER SUPPLY ALTERATIONS

SEE BELOW

LIGHTING DETAILS

NONE

LANDSCAPING & PLANTING DETAILS

SEE LANDSCAPING PLAN

CAMBRIDGE
BROADWAY

STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	5	12

PROJECT FILE NO. 605684

CONSTRUCTION PLAN

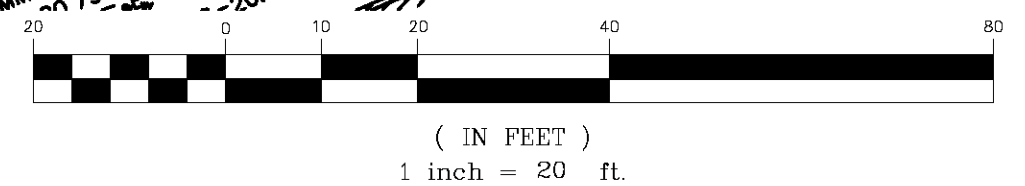
#33 BROADWAY
MAP 44 LOT 71
N/F
UNITED STATES OF AMERICA
L.C.C. 8046

#2 CAMBRIDGE CENTER
MAP 44 LOT 98
N/F
BOSTON PROPERTIES, INC
BK 17746 PG 324

#1 CAMBRIDGE CENTER
MAP 44 LOT 100
N/F
BOSTON PROPERTIES, INC
BK 16560 PG 486

IBM#4 CHISELED "X"
HYDRANT BONNET BOLT
ELEV.=21.52
(CAMBRIDGE CITY DATUM)

SEE SHEET 6 FOR PROFILE



IN CHARGE: _____
DATE: _____
DRAWN BY: _____
CHECKED BY: _____
DATE: _____
DRAWN BY: _____

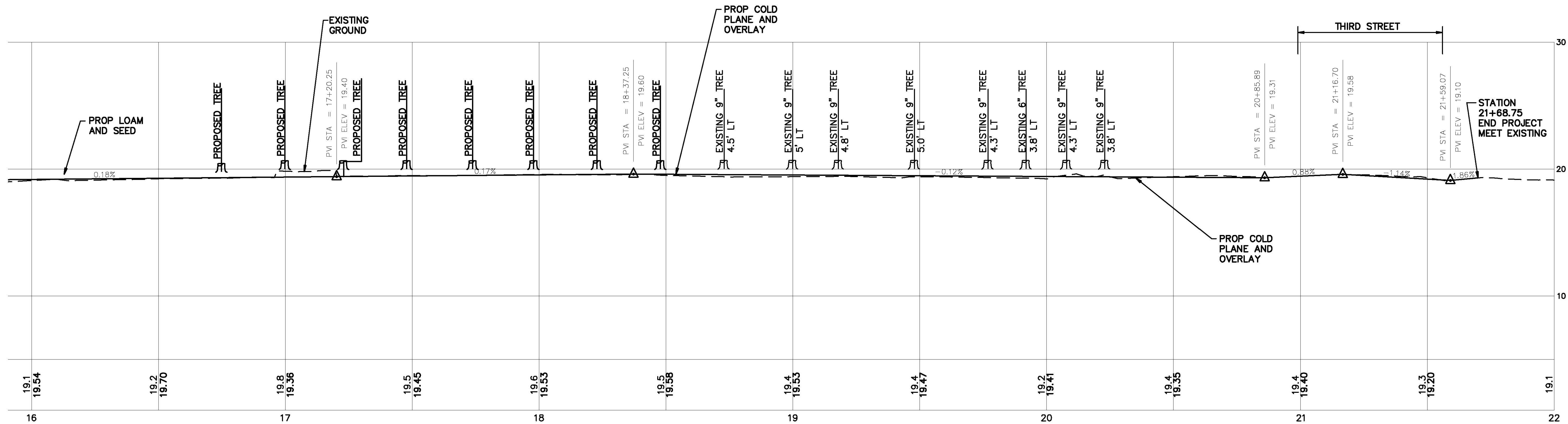
WESTON & SAMPSON

CONTINUED ON
SHEET 4

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DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DATE: _____

WESTON & SAMPSON

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[ABOVE]



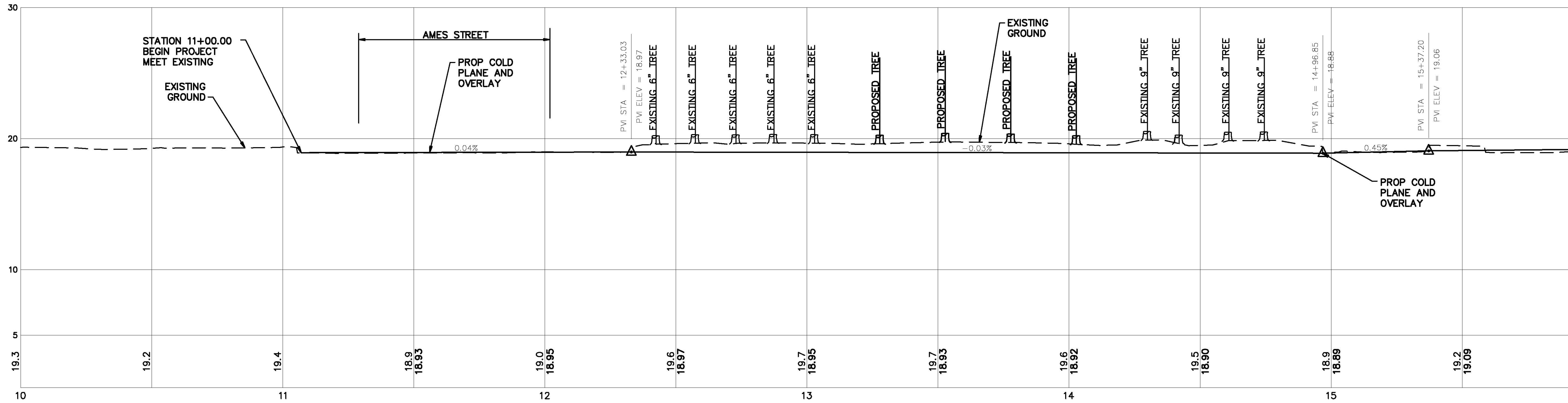
SEE SHEETS 4 AND 5 FOR CONSTRUCTION PLANS

CAMBRIDGE BROADWAY

STATE	FED. AID.	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.		N.F.A.	2009	6	12

PROJECT FILE NO. 605684

PROFILE



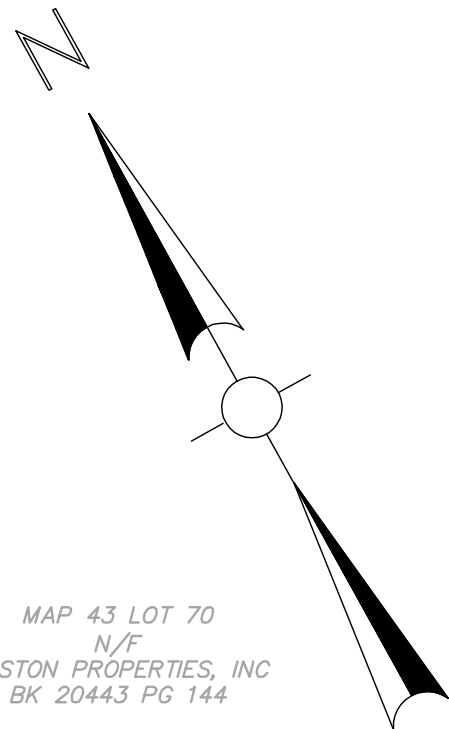
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CAMBRIDGE
BROADWAY

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	7	12

PROJECT FILE NO. 605684

TRAFFIC SIGNAL PLAN



MAP 43 LOT 70
N/F
BOSTON PROPERTIES, INC
BK 20443 PG 144
#10 CAMBRIDGE CENTER

MAP 44 LOT 89
N/F
UNITED STATES OF AMERICA

MAP 44 LOT 87
N/F
UNITED STATES OF AMERICA

MAP 44 LOT 88
N/F
UNITED STATES OF AMERICA

N29
12

CONTINUED ON
SHEET 8

873.64'
S60°31'41"E

#4E CAMBRIDGE CENTER
MAP 44 LOT 82
N/F
BOSTON PROPERTIES LIMITED PARTNERSHIP
BK 48591 PG 8

#4 CAMBRIDGE CENTER
MAP 44 LOT 95
N/F
BOSTON PROPERTIES LIMITED PARTNERSHIP
BK 17746 PG 332



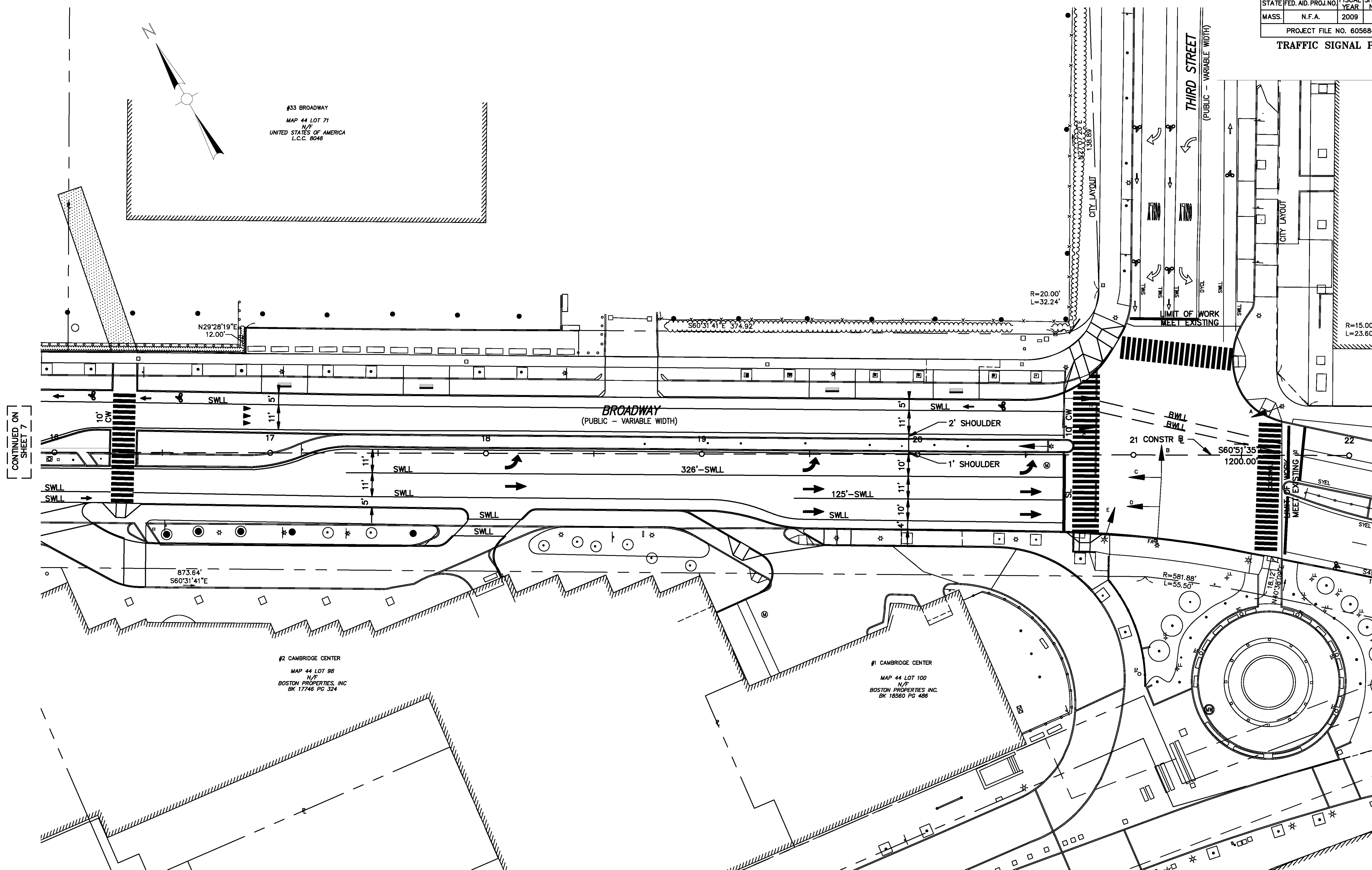
(IN FEET)
1 inch = 20 ft.

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME

WESTON & SAMPSON

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
MASS.	N.F.A.	2009	8	12
PROJECT FILE NO. 605684				

TRAFFIC SIGNAL PLAN



(IN FEET)
1 inch = 20 ft.

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
PWNAME _____

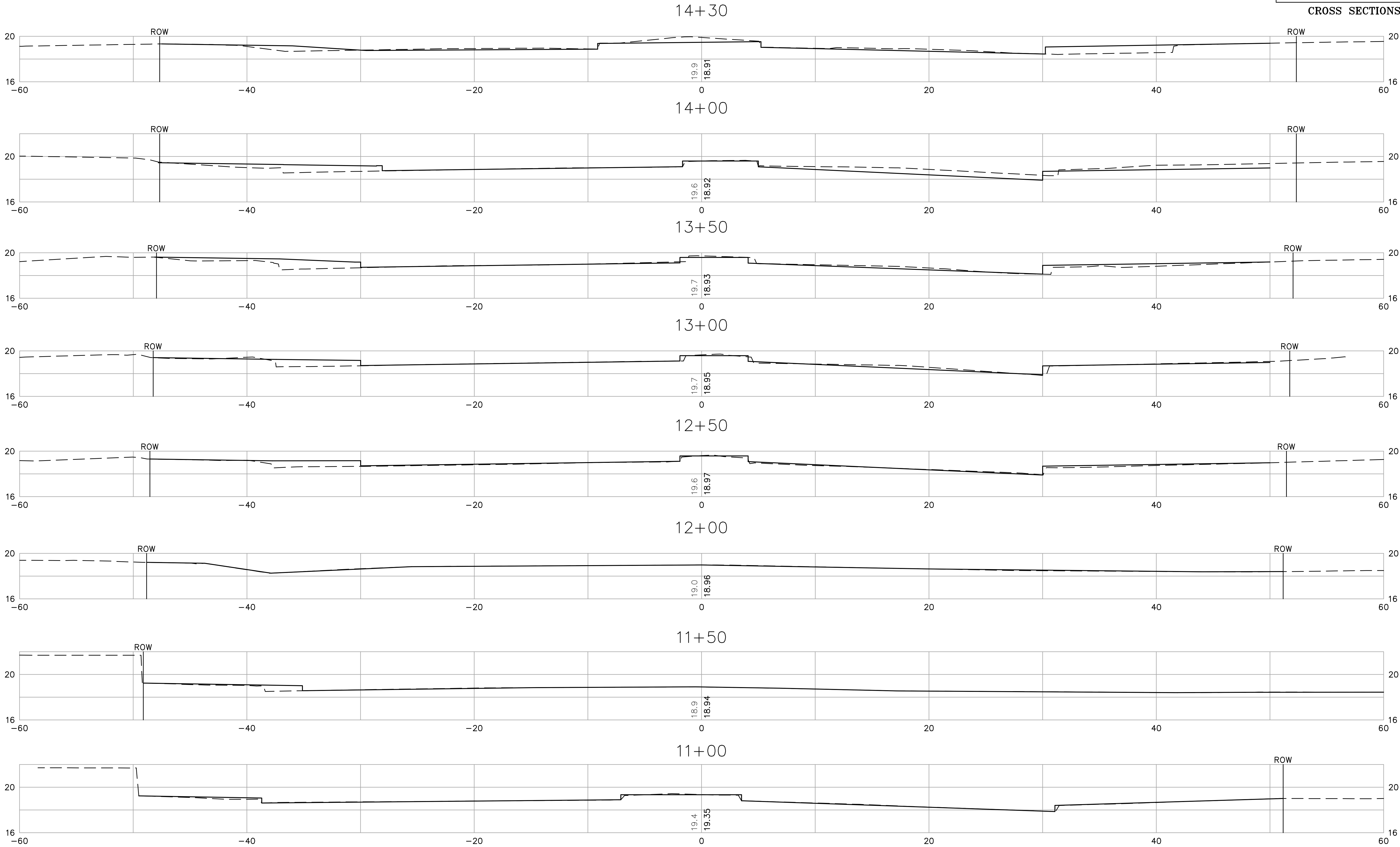
WESTON & CAMPBON

CONTINUED ON
SHEET 7

CAMBRIDGE
BROADWAY

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	09	12
PROJECT FILE NO. 605684				

CROSS SECTIONS



(IN FEET)
1 inch = 4 ft.

WESTON & SAMPSON

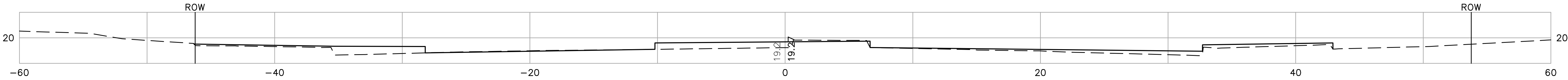
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DWGNAME

CAMBRIDGE
BROADWAY

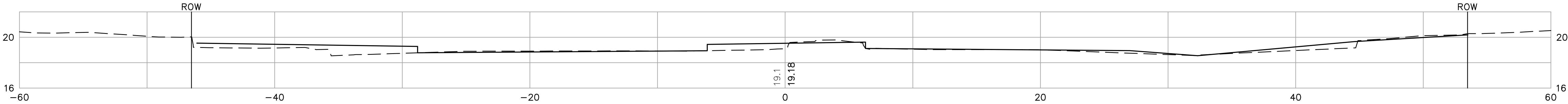
STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	10	12
PROJECT FILE NO. 605684				

CROSS SECTIONS

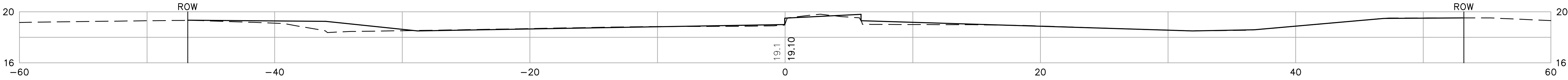
16+50



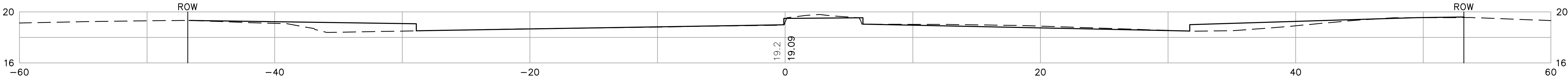
16+00



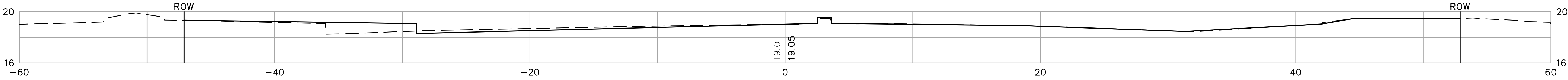
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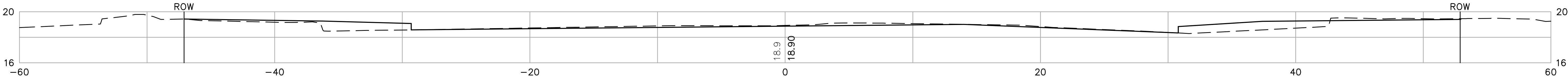
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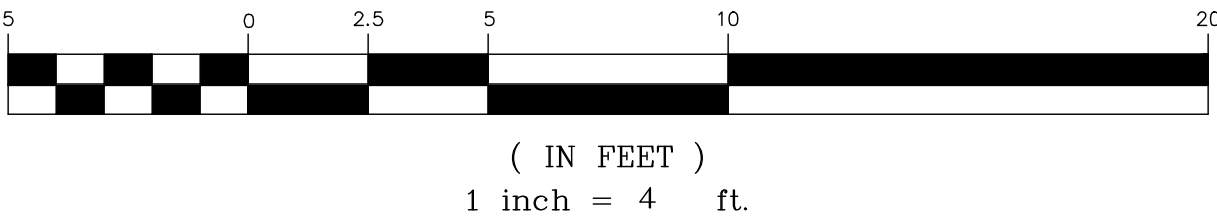
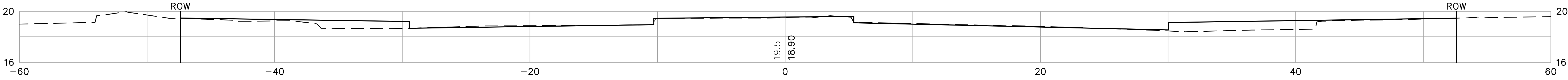
15+35



15+00



14+50



IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME

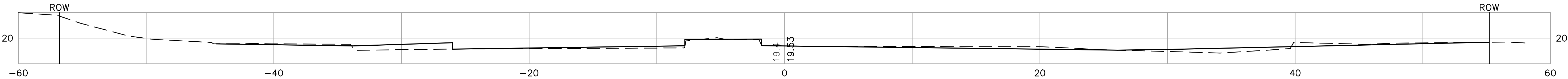
WESTON & SAMPSON

CAMBRIDGE
BROADWAY

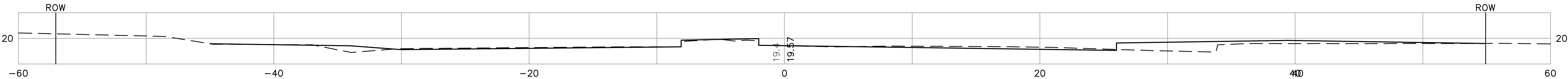
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MASS.	N.F.A.	2009	11	12
PROJECT FILE NO. 605684				

CROSS SECTIONS

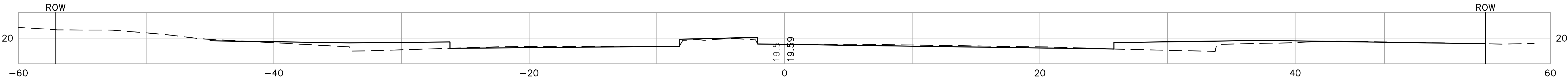
19+00



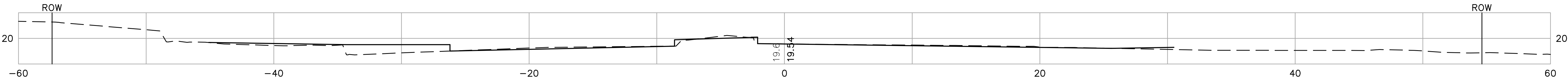
18+67



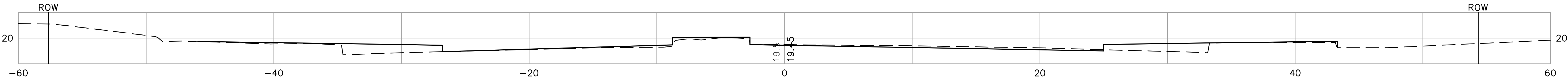
18+50



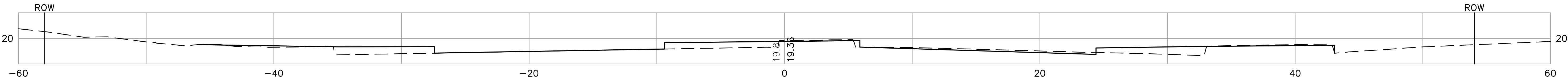
18+00



17+50



17+00



(IN FEET)
1 inch = 4 ft.

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME

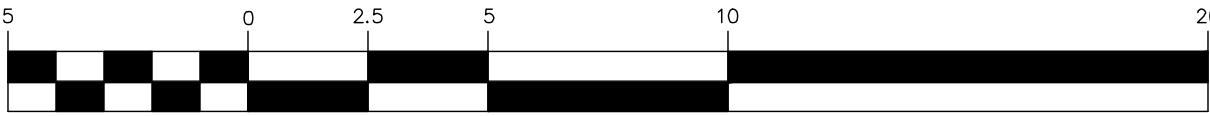
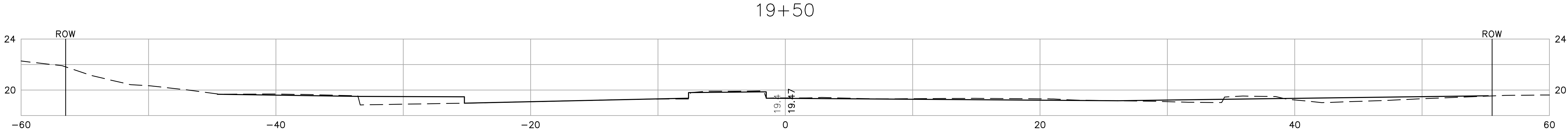
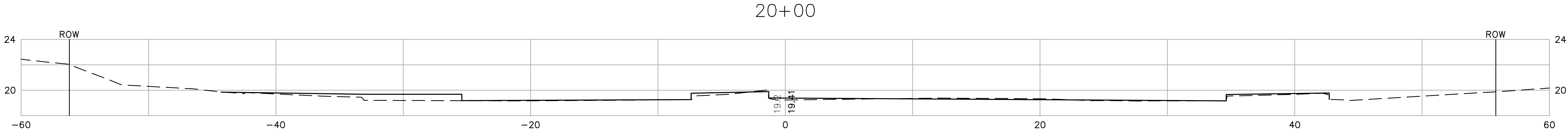
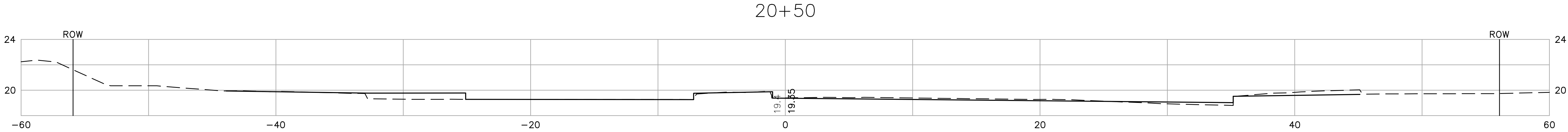
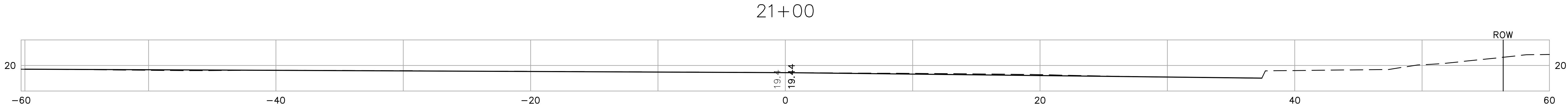
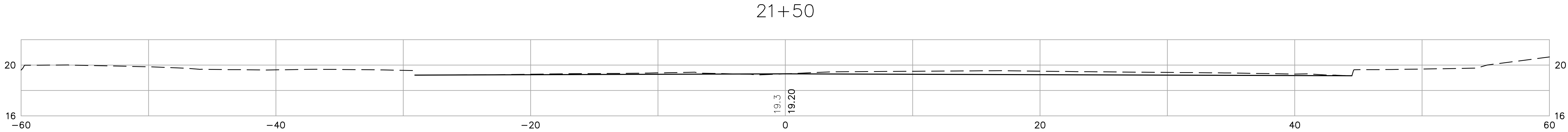
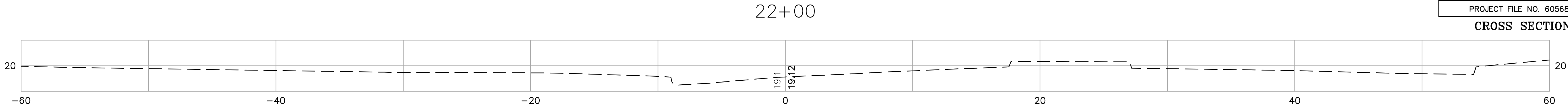
WESTON & SAMPSON

CAMBRIDGE
BROADWAY

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	12	12

PROJECT FILE NO. 605684

CROSS SECTIONS



(IN FEET)
1 inch = 4 ft.

WESTON & SAMPSON

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME

THE COMMONWEALTH OF MASSACHUSETTS MASSACHUSETTS HIGHWAY DEPARTMENT

PRELIMINARY RIGHT-OF-WAY PLAN BROADWAY SIDEWALK RECONSTRUCTION IN THE CITY OF CAMBRIDGE MIDDLESEX COUNTY

CAMBRIDGE BROADWAY

STATE	FED. AID PROJ. NO.	TOTAL PROJECT LENGTH	YEAR 1	YEAR 2	TOTAL
MASS.	M.F.A.	2000	1	7	
PROJECT FILE NO. 605884					

PRELIMINARY RIGHT-OF-WAY
TITLE AND INDEX SHEET

INDEX

SHEET NO.	DESCRIPTION
1	TITLE AND INDEX SHEET
2	LEGEND AND GENERAL NOTES
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4-5	CONSTRUCTION PLANS
6	CRITICAL PROFILE

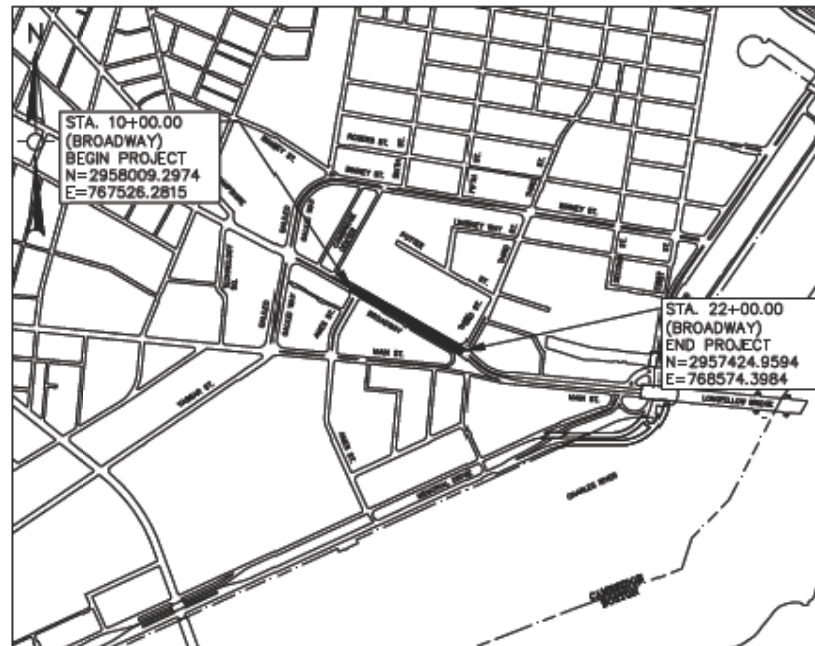
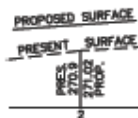
THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 2006, THE SUPPLEMENTAL SPECIFICATIONS DATED JUNE 16, 2006, THE LATEST ENGLISH CONSTRUCTION AND TRAFFIC STANDARD DETAILS, THE METRIC/ENGLISH SUPPLEMENTAL DRAWINGS DATED APRIL 2003, THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE 1988 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE 1980 EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-1986), AND ALL AMENDMENTS WILL GOVERN.

DESIGN DESIGNATION

	BROADWAY	THIRD STREET	AMES STREET
SPEED	35 M.P.H.	35 M.P.H.	35 M.P.H.
ADT (2009)	17,678	10,096	7,378
ADT (2028)	21,564	12,317	9,001
K (AADT-PEAK HR)	7.0%	9.4%	9.5%
D (PEAK HR-HEAVY)	51%	51%	54%
T (PEAK HOUR)	3.5%	4.4%	12.9%
DHV	712	484	379
DDHV	712	484	379
FUNCTIONAL CLASS.	COLLECTOR	LOCAL	LOCAL

CONVENTIONAL SYMBOLS

COUNTY, CITY, OR TOWN BOUNDARY.....	---
COUNTY, CITY, OR TOWN SIDE LINE.....	---
FENCE LINE.....	---
BASE LINE OR SURVEY LINE.....	---
RIGHT OF WAY LINE.....	---
CULVERT.....	---



LOCATION MAP
N.T.S.

SEPTEMBER 2009

PROJECT LENGTH = 1200.00 FEET = 0.227 MILES

SCALES AS NOTED

**MASSACHUSETTS
HIGHWAY DEPARTMENT**

RECOMMENDED FOR APPROVAL

CHIEF ENGINEER Date

APPROVED

W. & S. COMPANY

W. & S. COMPANY
600 North Street, Suite 200, Northampton, MA

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED

BUYER ADMINISTRATOR Date

CHIEF ENGINEER Date

ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

CAMBRIDGE
BROADWAY

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	3	7

PROJECT FILE NO. 605684

PRELIMINARY RIGHT-OF-WAY
TYPICAL SECTIONS
AND PAVEMENT NOTES

PAVEMENT NOTES

PROPOSED FULL DEPTH RECONSTRUCTION:

SURFACE: 2" HOT MIX ASPHALT - MODIFIED TOP COURSE PLACED IN ONE COURSE

BASE: 4" HOT MIX ASPHALT BASE COURSE - BINDER MATERIAL PLACED IN ONE COURSE

SUBBASE: 4" DENSE GRADED CRUSHED STONE FOR SUB-BASE OVER 8" GRAVEL BORROW, TYPE B OVER ORDINARY BORROW AS REQUIRED

PROPOSED COLD PLANE AND PAVEMENT OVERLAY:

SURFACE: 2" HOT MIX ASPHALT MODIFIED TOP COURSE MATERIAL.

BITUMEN FOR TACK COAT (RS-1) AT 0.10 GAL/SY OVER EXISTING PAVEMENT.

COLD PLANE VARIABLE DEPTH TO MEET PROPOSED GRADING

PROPOSED HOT MIX ASPHALT DRIVEWAY:

SURFACE: 3 1/2" HOT MIX ASPHALT (1 1/2" SURFACE COURSE TYPE A OVER 2" INTERMEDIATE COURSE TYPE A)

SUBBASE: 8" GRAVEL BORROW, TYPE B

PROPOSED CEMENT CONCRETE WALK:

SURFACE: 4" CEMENT CONCRETE

SUBBASE: 8" GRAVEL BORROW, TYPE B

PROPOSED CEMENT CONCRETE SIDEWALK AT DRIVE:

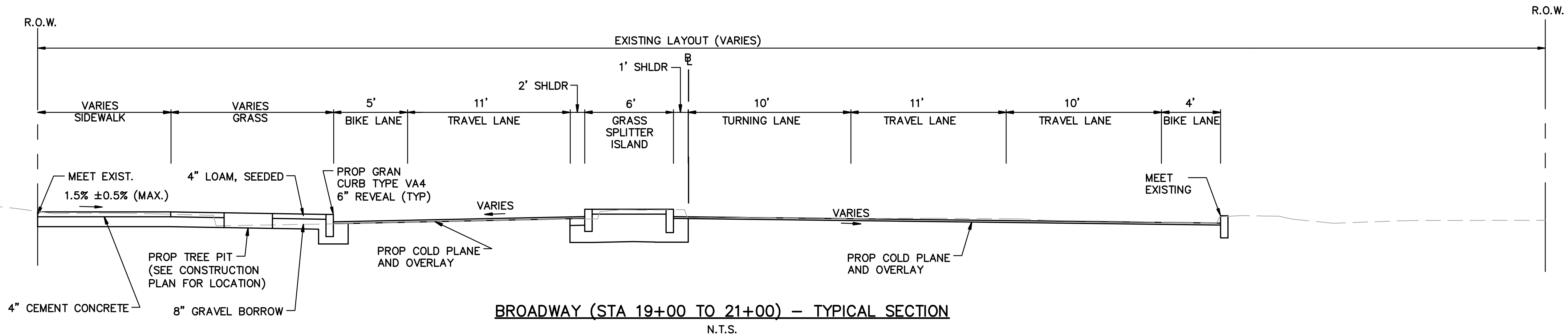
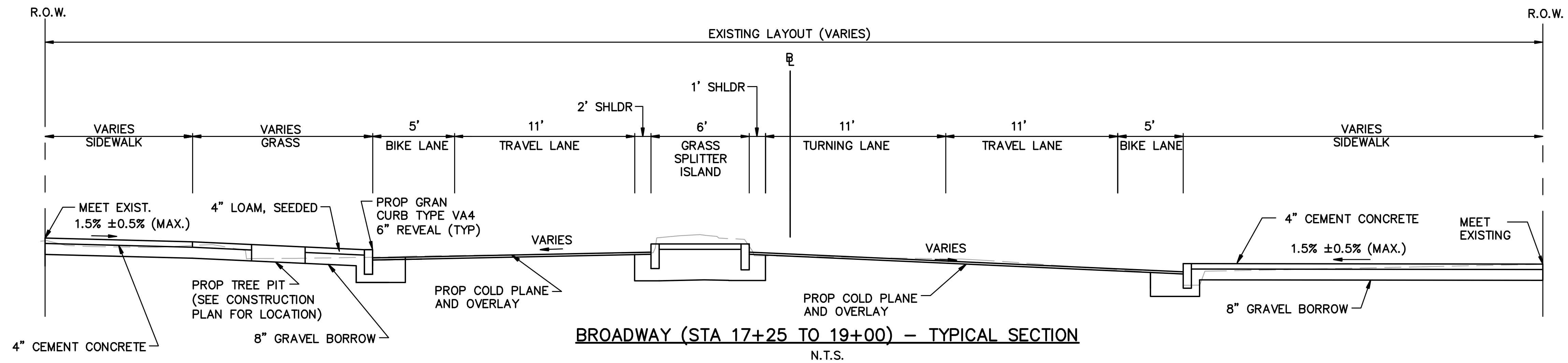
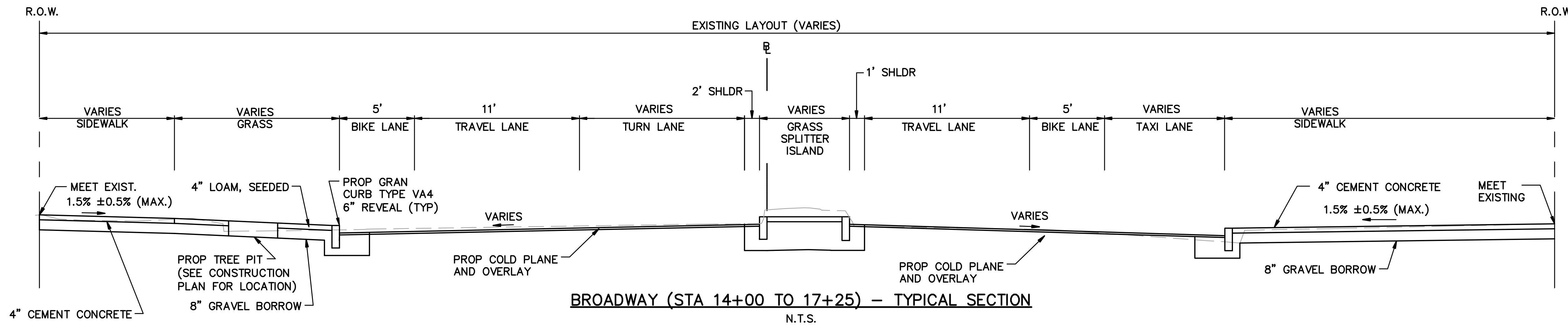
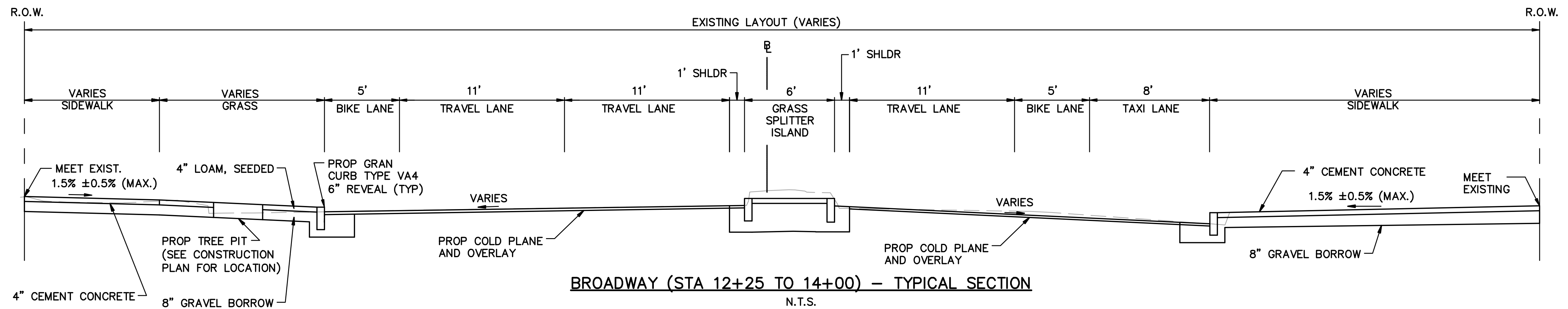
SURFACE: 6" CEMENT CONCRETE

SUBBASE: 8" GRAVEL BORROW, TYPE B

PROPOSED CEMENT CONCRETE WHEELCHAIR RAMP:

SURFACE: 6" CEMENT CONCRETE

SUBBASE: 8" GRAVEL BORROW, TYPE B



WESTON & SAMPSON

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____
DWGNAME

CAMBRIDGE
BROADWAY

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	4	12

PROJECT FILE NO. 605684

PRELIMINARY RIGHT-OF-WAY
CONSTRUCTION PLAN

STEEL W BEAM HIGHWAY GUARD
NONE

DRAINAGE DETAILS
SEE BELOW

WATER SUPPLY ALTERATIONS
SEE BELOW

LIGHTING DETAILS
NONE

LANDSCAPING & PLANTING DETAILS
SEE LANDSCAPING PLAN

MAP 44 LOT 89
N/F
UNITED STATES OF AMERICA

MAP 44 LOT 87
N/F
UNITED STATES OF AMERICA

MAP 44 LOT 88
N/F
UNITED STATES OF AMERICA

MAP 43 LOT 70
N/F
BOSTON PROPERTIES, INC
BK 20443 PG 144

#4E CAMBRIDGE CENTER
MAP 44 LOT 82
N/F
BOSTON PROPERTIES LIMITED PARTNERSHIP
BK 48591 PG 8

#4 CAMBRIDGE CENTER
MAP 44 LOT 95
N/F
BOSTON PROPERTIES LIMITED PARTNERSHIP
BK 17746 PG 332

TE-1
BOSTON PROPERTIES LIMITED
PARTNERSHIP TO CITY (670 ± SF)

TE-2
BOSTON PROPERTIES LIMITED
PARTNERSHIP TO CITY (2694 ± SF)

TE-3
BOSTON PROPERTIES LIMITED
PARTNERSHIP TO CITY (2435 ± SF)



(IN FEET)
1 inch = 20 ft.

SEE SHEET 6 FOR PROFILE

CONTINUED ON
SHEET 5

IN CHARGE: _____ DATE: _____
DRAWN BY: _____ CHECKED BY: _____
DWGNAME

STEEL W BEAM HIGHWAY GUARD

NONE

DRAINAGE DETAILS

SEE BELOW

WATER SUPPLY ALTERATIONS

SEE BELOW

LIGHTING DETAILS

NONE

LANDSCAPING & PLANTING DETAILS

SEE LANDSCAPING PLAN

CAMBRIDGE
BROADWAY

STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	5	12

PROJECT FILE NO. 605684

PRELIMINARY RIGHT-OF-WAY
CONSTRUCTION PLAN

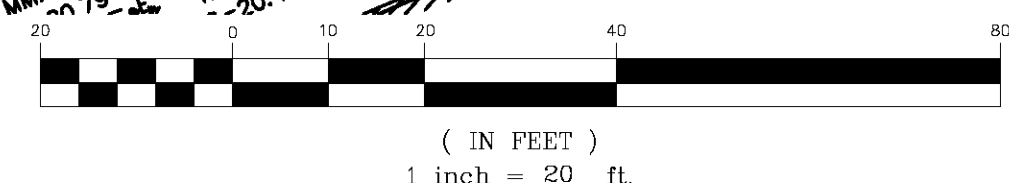
#33 BROADWAY
MAP 44 LOT 71
N/F
UNITED STATES OF AMERICA
L.C.C. 8046

#2 CAMBRIDGE CENTER
MAP 44 LOT 98
N/F
BOSTON PROPERTIES, INC
BK 17746 PG 324

#1 CAMBRIDGE CENTER
MAP 44 LOT 100
N/F
BOSTON PROPERTIES, INC
BK 16560 PG 486

IBM#4 CHISELED "X"
HYDRANT BONNET BOLT
ELEV.=21.52
(CAMBRIDGE CITY DATUM)

SEE SHEET 6 FOR PROFILE



IN CHARGE: _____
DATE: _____
DRAWN BY: _____
CHECKED BY: _____
DATE: _____
DRAWN BY: _____

WESTON & SAMPSON

CONTINUED ON
SHEET 4

STATE	FED. AID. PROJ.NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	6	12
PROJECT FILE NO. 605684				

CONTINUED
BELOW

CONTINUED
ABOVE



IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DWGNAME _____

WESTON & SAMPSON

STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	N.F.A.	2009	7	7
PROJECT FILE NO. 605684				

[illegible]

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY
OWNERSHIP INDEX				
		DATE		

IN CHARGE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DWGNAME _____