

# PORTSMOUTH

## MAPLEWOOD AVENUE ROADWAY AND STREETScape IMPROVEMENTS

FOR:

CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

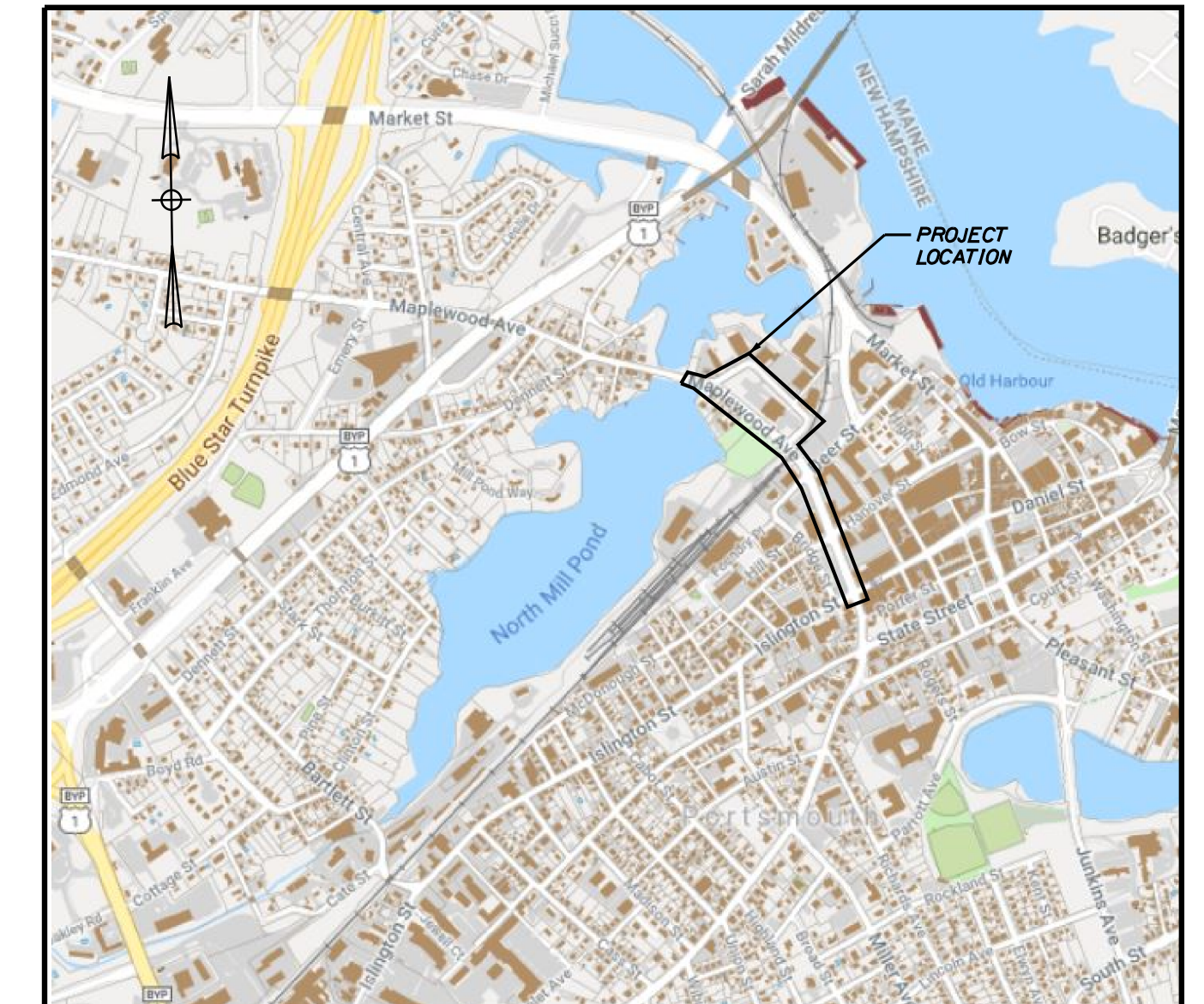
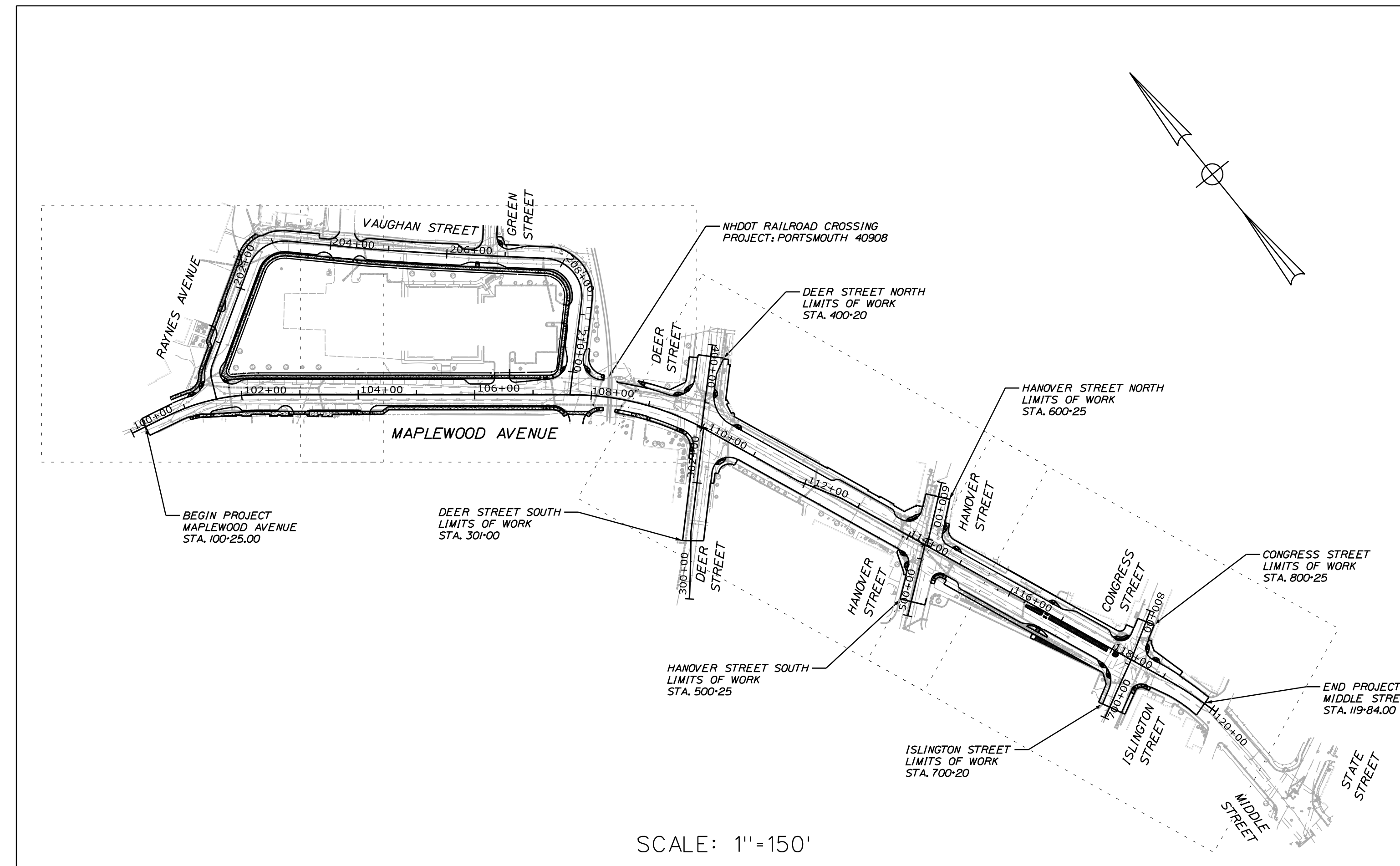
ENGINEER / SURVEYOR:

**SEBAGO**  
TECHNICS

WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

IN ASSOCIATION WITH:

HARRIMAN  
ALTUS ENGINEERING  
ALTA PLANNING AND DESIGN



LOCATION MAP  
N.T.S

### PLAN LEGEND

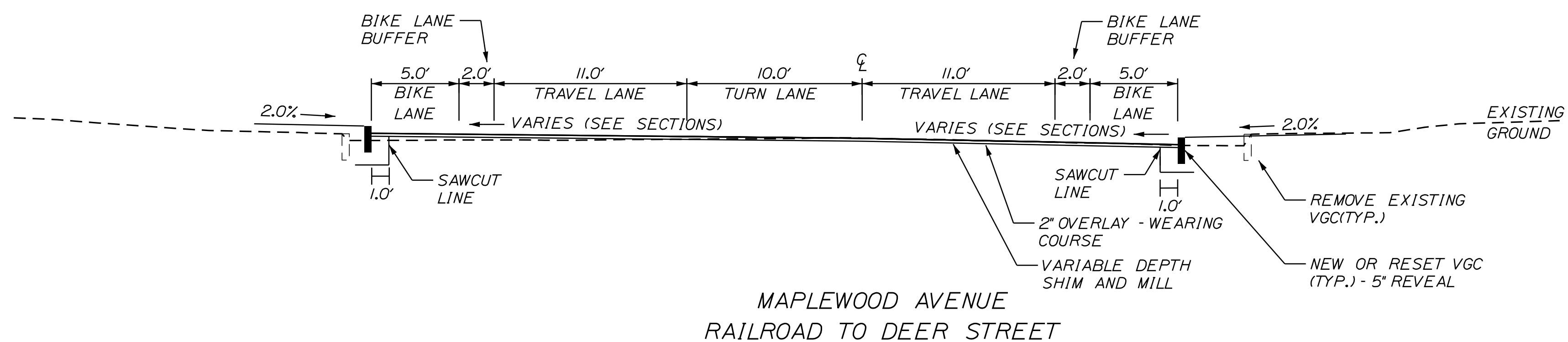
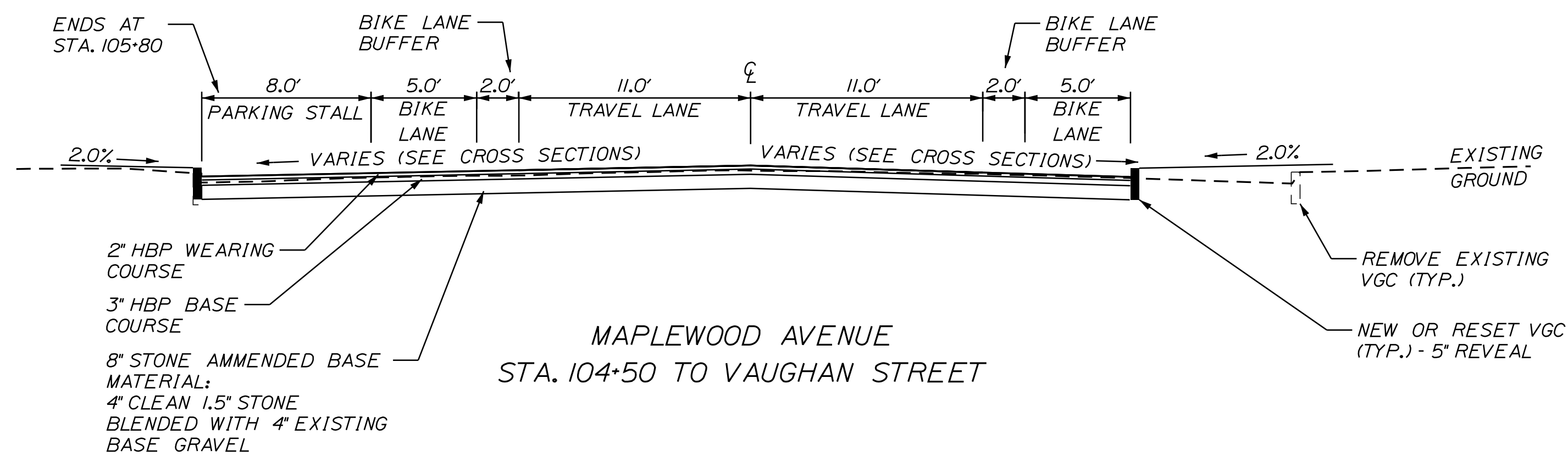
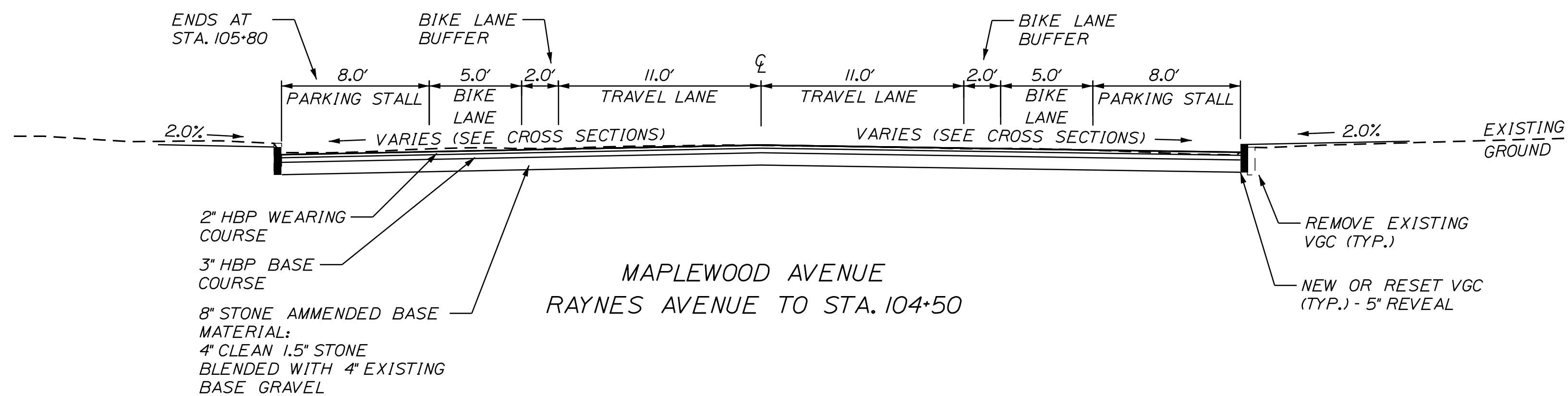
Town, County, State	Centerline-Existing	Centerline-Proposed
Property Lines	Travelway-Existing	Travelway-Proposed
R/W Lines-Existing	Railroad	Catch Basins
R/W Lines-Proposed	Culvert-Existing	Manholes
Culvert-Proposed	Culvert-Proposed	Proposed Underdrain
Curbing	Existing	Proposed
Granite	Bituminous	Proposed Ditch
Outline of Bodies of Water	Existing Ditch	Utility Poles
Boring	HB-XXX-###	Fire Hydrants
Pavement Core	PC-#	Existing Water Line
Test Pit	TP-XXX-###	Existing San. Sewer
Probe	P-#. #X	Existing San. Sewer Manhole
### = Depth	X = W (Weathered Rock)	Guardrail-Existing
R (Refusal)	NR (No Refusal)	Guardrail-Proposed
		Guardrail-Cable, Other
		Exposed Bedrock
		Buildings
		Trees
		Tree Line
		Clearing Limit Line

FINAL PRELIMINARY SUBMISSION  
05/31/19

### SHEET INDEX:

SHEET	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES AND ABBREVIATIONS
3-5	TYPICAL SECTIONS
6	DETAILS
7	GEOMETRIC LAYOUT PLAN
8-11	GENERAL PLANS
12-14	PROFILES
15-22	CURBING LAYOUT PLANS
23-26	PAVEMENT MARKING & SIGNING PLANS
27	PAVEMENT MARKING DETAILS
28-31	TRAFFIC SIGNAL PLANS
32-64	CROSS SECTIONS
L00.1	STREETScape PLAN INDEX
L10.0-L10.4	HARDSCAPE PLANS
L20.0-20.2	HARDSCAPE DETAILS
L30.0-30.4	PLANTING PLANS
L40.0-L40.1	PLANTING DETAILS
E00.1	LIGHTING FIXTURE SCHEDULE & DETAILS
E10.0-E10.4	LIGHTING PLANS





PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV. BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS

WWW.SEBAGOTECHNICS.COM

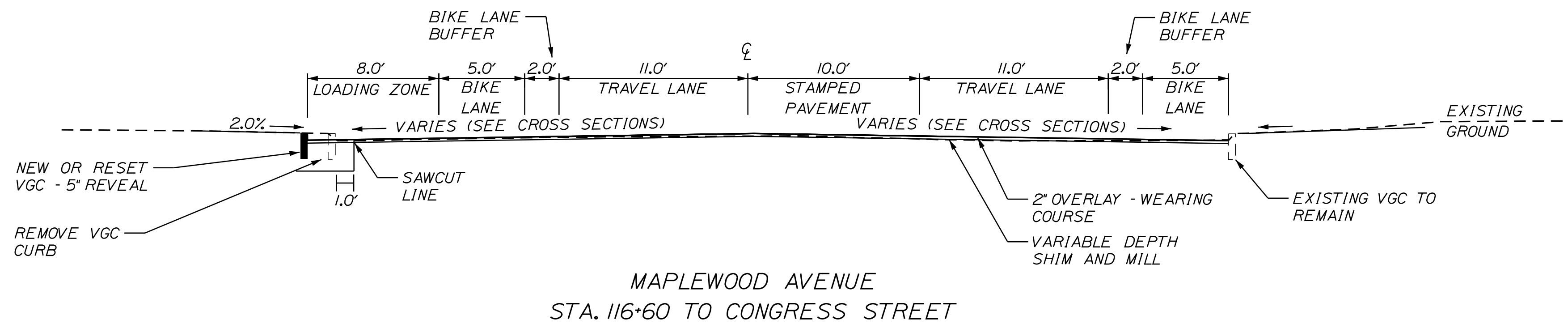
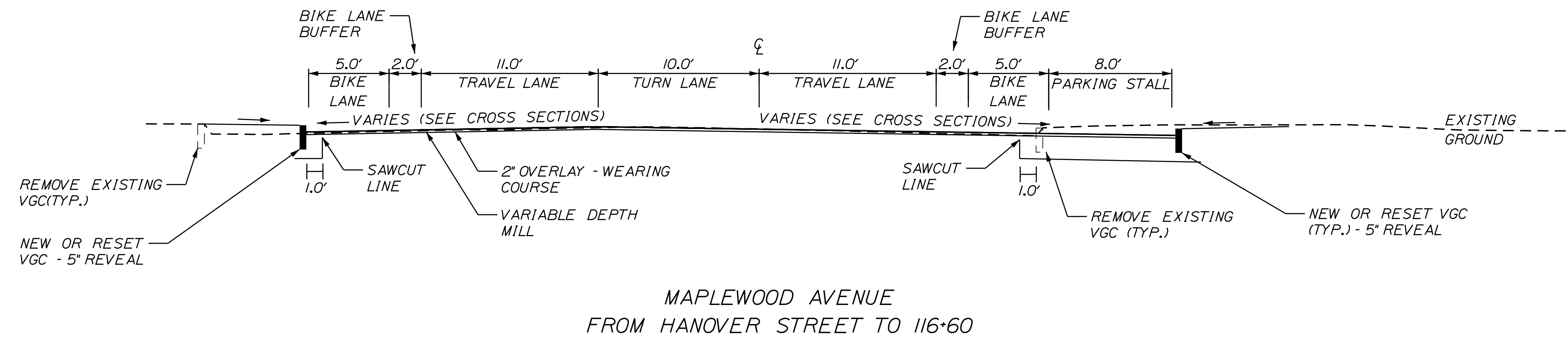
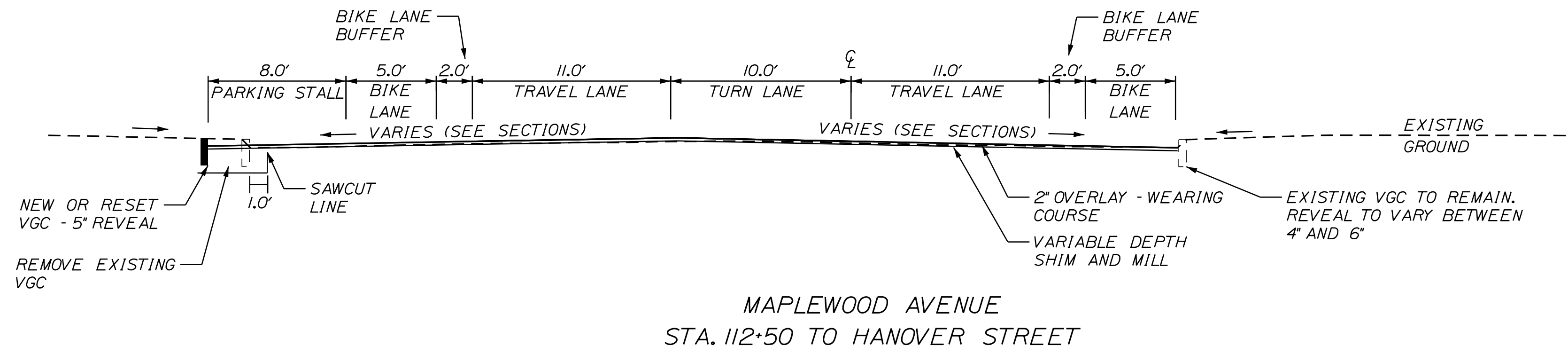
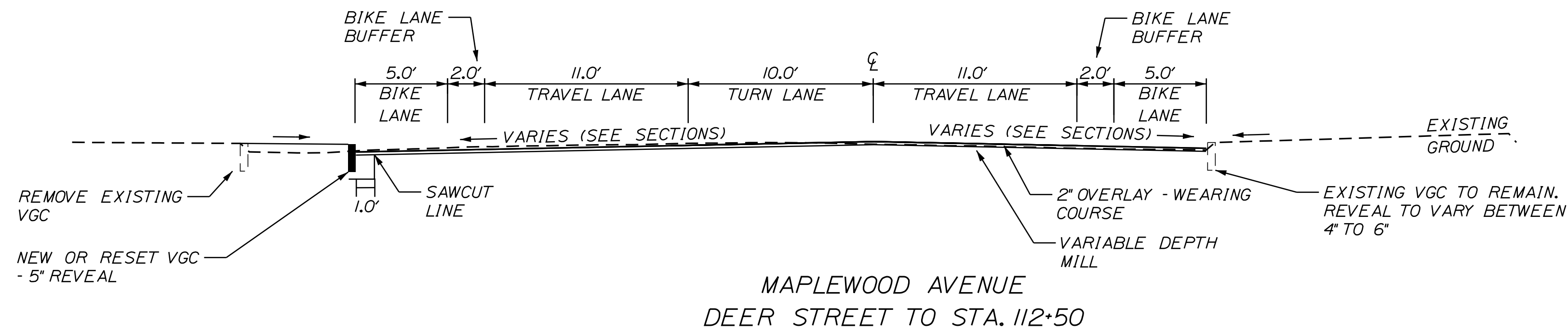
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

TYPICAL SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 5'

SHEET 3 OF 86

...MSTASHEETS\Typicals.dgn



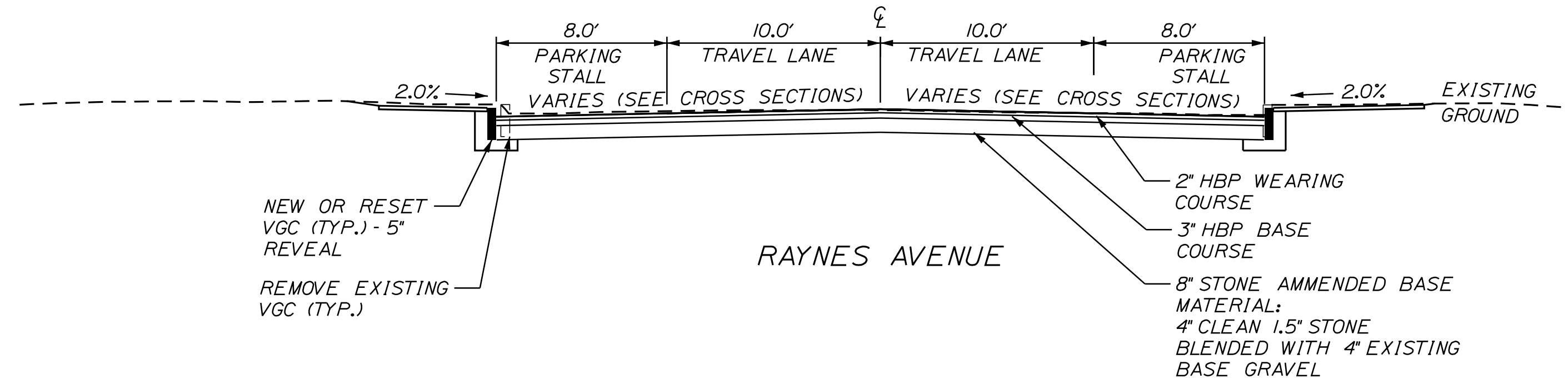
PLS OR PE  
 PROGRESS PRINT  
 NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS 1 BRL 04/05/19 BOX SUBMISSION REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
 TECHNICS  
 WWW.SEAGOTECHNICS.COM  
 75 John Roberts Rd.  
 Suite 4A  
 South Portland, ME 04106  
 Tel. 207-200-2100

TYPICAL SECTIONS  
 OF:  
 MAPLEWOOD AVENUE  
 CORRIDOR IMPROVEMENTS  
 FOR:  
 CITY OF PORTSMOUTH  
 1 JUNKINS AVE.  
 PORTSMOUTH, NH 03801



MAPLEWOOD AVENUE  
WEST OF THE RAILROAD TRACKS  
ROADWAY FINISHED GRADE  
CROSS SLOPE TRANSITIONS

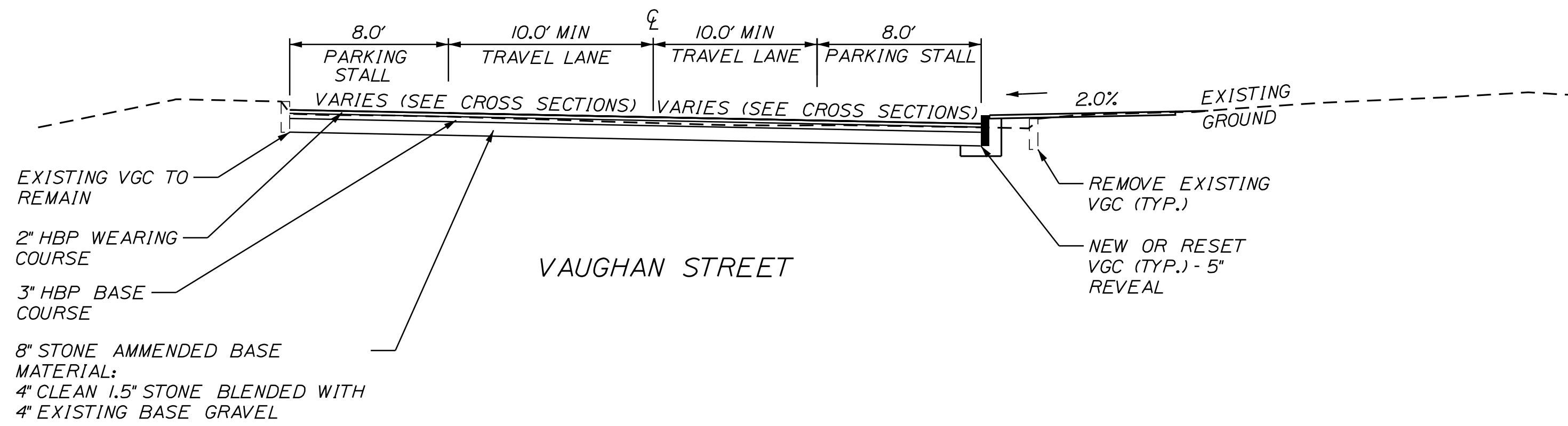
(VALUES ARE %)

LT	STATION	RT
	START	
-2.0	100+25	-2.0
	TO	
-2.0	100+90	-2.0
-2.0	101+00	-1.5
	TO	
-2.0	102+55	-1.5
-2.0	102+65	-2.0
	TO	
-2.0	103+50	-2.0
-2.0	103+60	-1.5
	TO	
-2.0	104+00	-1.5
-2.0	104+30	-3.0
	TO	
-2.0	106+75	-3.0
-2.0	107+92	-2.0
-2.0	108+12	-2.0
-0.15	108+22	-1.5%

MAPLEWOOD AVENUE  
EAST OF THE RAILROAD TRACKS  
ROADWAY FINISHED GRADE  
CROSS SLOPE TRANSITIONS

(VALUES ARE %)

LT	STATION	RT
	START	
-0.4	108+45	-0.9%
-0.4	108+62	-2.0
1.0	108+75	-2.0
	TO	
1.0	110+00	-2.0
-2.0	110+50	-2.0
	TO	
-2.0	111+90	-2.0
-2.5	112+10	-2.0
	TO	
-2.5	112+45	-2.0
-1.8	112+60	-2.0
	TO	
-1.8	113+55	-2.0
-3.0	113+80	-2.0
	TO	
-3.0	114+75	-2.0
-3.0	114+85	-1.5
-1.2	115+50	-1.5
	TO	
-1.2	115+75	-1.5
-1.5	115+85	-1.5
	TO	
-1.5	119+05.12	-1.5



VAUGHAN & RAYNES  
ROADWAY FINISHED GRADE  
CROSS SLOPE TRANSITIONS

(VALUES ARE %)

LT	STATION	RT
	START	
-0.77	200+17.92	0.77
-1.0	200+30	0.77
-1.0	200+50	-2.0
	TO	
-1.0	201+20	-2.0
-2.0	201+35	-2.0
	TO	
-2.0	204+62	-2.0
0.0	205+20	-2.0
-5.0	205+77	-2.0
-4.3	206+17	-2.0
	TO	
-4.3	207+00	-2.0
-2.0	207+45	-2.0
	TO	
-2.0	207+65	-2.0
2.0	208+00	-2.0
	TO	
2.0	209+60	-2.0
-2.3	210+07.67	-2.0

PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

TYPICAL SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 5'

...MSTASHEET5\Typicals.dgn



PLS OR PE  
 PROGRESS  
 PRINTS  
 PLS OR PE  
 NOT FOR  
 CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	

**SEBAGO**  
 TECHNICALS  
 WWW.SEAGOTECHNICALS.COM  
 75 John Roberts Rd.  
 Suite 4A  
 South Portland, ME 04106  
 Tel: 207-200-2100

GEOMETRIC LAYOUT PLAN  
 OF:  
 MAPLEWOOD AVENUE  
 CORRIDOR IMPROVEMENTS  
 FOR:  
 CITY OF PORTSMOUTH  
 1 JUNKINS AVE.  
 PORTSMOUTH, NH 03801

CURVE DATA #6  
 PI = 204+74.28  
 D = 5°43'46.5"  
 Δ = 2°02'02.6" Lt.  
 R = 1000.00'  
 L = 35.50'  
 T = 17.75'  
 E = 0.16'

CURVE DATA #7  
 PI = 205+72.98  
 D = 5°43'46.5"  
 Δ = 0°52'34.5" Lt.  
 R = 1000.00'  
 L = 15.29'  
 T = 7.65'  
 E = 0.03'

CURVE DATA #5  
 PI = 202+91.78  
 D = 88°08'50.5"  
 Δ = 75°14'19.7" Rt.  
 R = 65.00'  
 L = 85.36'  
 T = 50.09'  
 E = 17.06'

PC = STA. 202+41.69

PT = STA. 200+59.75

CURVE DATA #4  
 PI = 200+48.14  
 D = 143°14'22.0"  
 Δ = 34°19'16.3" Rt.  
 R = 40.00'  
 L = 23.96'  
 T = 12.35'  
 E = 1.86'

PC = STA. 200+35.79

VAUGHN AND RAYNES  
 POB = STA. 200+00.00  
 = MAPLEWOOD AVENUE  
 STA. 101+56.36  
 N: 212472.8274  
 E: 1225365.2282

MAPLEWOOD AVENUE  
 POB = STA. 100+00.00  
 N: 212518.4724  
 E: 1225216.2298

CURVE DATA #1  
 PI = 101+50.12  
 D = 16°22'12.8"  
 Δ = 26°05'02.0" Rt.  
 R = 350.00'  
 L = 159.34'  
 T = 81.07'  
 E = 9.27'

CURVE DATA #2  
 PI = 108+89.52  
 D = 11°56'11.8"  
 Δ = 29°06'43.4" Rt.  
 R = 480.00'  
 L = 243.89'  
 T = 124.64'  
 E = 15.92'

CURVE DATA #9  
 PI = 300+56.76  
 D = 1°54'35.5"  
 Δ = 2°10'03.6" Lt.  
 R = 3000.00'  
 L = 113.50'  
 T = 56.76'  
 E = 0.54'

HANOVER STREET SOUTH  
 POE = STA. 501+25.19  
 = MAPLEWOOD AVENUE  
 STA. 114+32.25  
 N: 211511.4162  
 E: 1226150.4629

HANOVER STREET SOUTH  
 POB = STA. 500+00.00  
 N: 211435.7655  
 E: 1226050.7190

CURVE DATA #8  
 PI = 208+40.21  
 D = 88°08'50.5"  
 Δ = 94°24'37.0" Rt.  
 R = 65.00'  
 L = 107.11'  
 T = 70.21'  
 E = 30.68'

PT = STA. 208+77.11

DEER STREET NORTH  
 POB = STA. 400+00.00  
 N: 212007.9097  
 E: 1226084.0375

DEER STREET NORTH  
 POE = STA. 401+42.49  
 = MAPLEWOOD AVENUE  
 STA. 109+98.39  
 N: 211910.0384  
 E: 1225980.4735

PT = STA. 110+08.77  
 PI = STA. 111+87.91

HANOVER STREET NORTH  
 POB = STA. 600+00.00  
 N: 211576.3928  
 E: 1226240.1740

HANOVER STREET NORTH  
 POE = STA. 601+11.79  
 = MAPLEWOOD AVENUE  
 STA. 114+36.14  
 N: 211507.8030  
 E: 1226151.9050

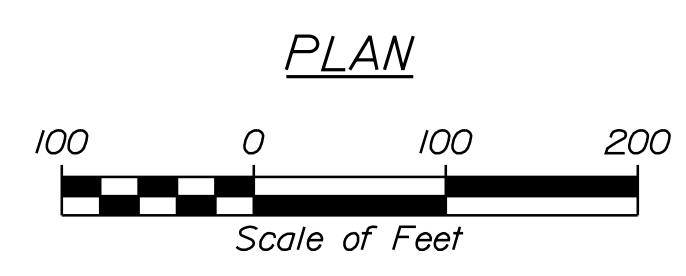
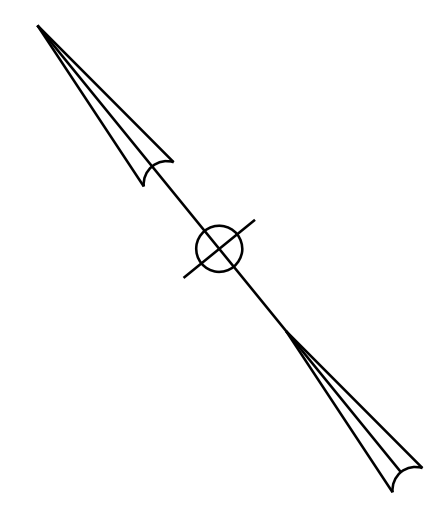
ISLINGTON STREET  
 POE = STA. 701+09.17  
 = MAPLEWOOD AVENUE  
 STA. 118+37.41  
 N: 211135.1220  
 E: 1226300.6525

ISLINGTON STREET  
 POB = STA. 700+00.00  
 N: 211086.6195  
 E: 1226202.8511

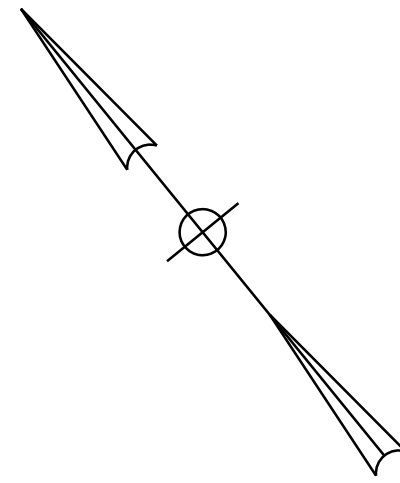
CONGRESS STREET  
 POB = STA. 800+00.00  
 N: 211179.6166  
 E: 1226379.0153

CONGRESS STREET  
 POE = STA. 800+90.11  
 = MAPLEWOOD AVENUE  
 STA. 118+37.41  
 N: 211135.1246  
 E: 1226300.6515

CURVE DATA #3  
 PI = 119+40.11  
 D = 11°14'04.1"  
 Δ = 6°07'39.3" Rt.  
 R = 510.00'  
 L = 54.54'  
 T = 27.30'  
 E = 0.73'



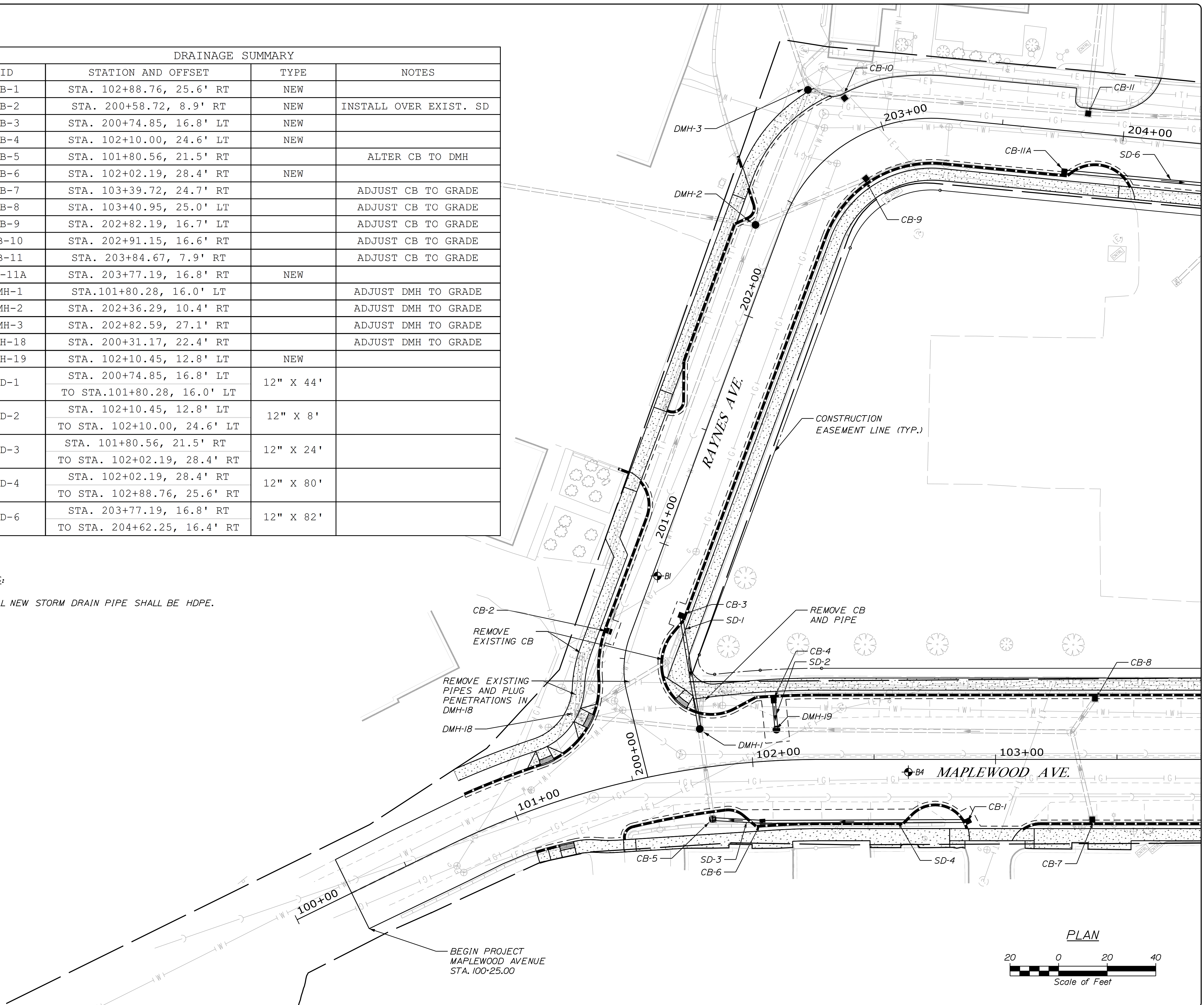
...M:\STASHEETS\Geometric Plan.dgn



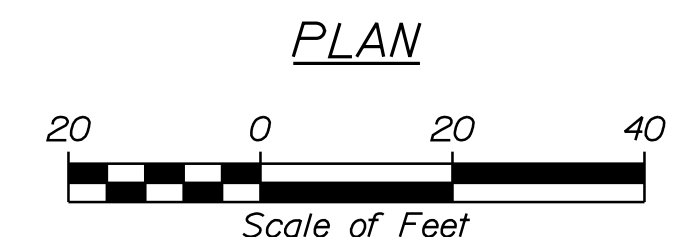
DRAINAGE SUMMARY			
ID	STATION AND OFFSET	TYPE	NOTES
CB-1	STA. 102+88.76, 25.6' RT	NEW	
CB-2	STA. 200+58.72, 8.9' RT	NEW	INSTALL OVER EXIST. SD
CB-3	STA. 200+74.85, 16.8' LT	NEW	
CB-4	STA. 102+10.00, 24.6' LT	NEW	
CB-5	STA. 101+80.56, 21.5' RT		ALTER CB TO DMH
CB-6	STA. 102+02.19, 28.4' RT	NEW	
CB-7	STA. 103+39.72, 24.7' RT		ADJUST CB TO GRADE
CB-8	STA. 103+40.95, 25.0' LT		ADJUST CB TO GRADE
CB-9	STA. 202+82.19, 16.7' LT		ADJUST CB TO GRADE
CB-10	STA. 202+91.15, 16.6' RT		ADJUST CB TO GRADE
CB-11	STA. 203+84.67, 7.9' RT		ADJUST CB TO GRADE
CB-11A	STA. 203+77.19, 16.8' RT	NEW	
DMH-1	STA. 101+80.28, 16.0' LT		ADJUST DMH TO GRADE
DMH-2	STA. 202+36.29, 10.4' RT		ADJUST DMH TO GRADE
DMH-3	STA. 202+82.59, 27.1' RT		ADJUST DMH TO GRADE
DMH-18	STA. 200+31.17, 22.4' RT		ADJUST DMH TO GRADE
DMH-19	STA. 102+10.45, 12.8' LT	NEW	
SD-1	STA. 200+74.85, 16.8' LT TO STA. 101+80.28, 16.0' LT	12" X 44'	
SD-2	STA. 102+10.45, 12.8' LT TO STA. 102+10.00, 24.6' LT	12" X 8'	
SD-3	STA. 101+80.56, 21.5' RT TO STA. 102+02.19, 28.4' RT	12" X 24'	
SD-4	STA. 102+02.19, 28.4' RT TO STA. 102+88.76, 25.6' RT	12" X 80'	
SD-6	STA. 203+77.19, 16.8' RT TO STA. 204+62.25, 16.4' RT	12" X 82'	

**NOTES:**

- ALL NEW STORM DRAIN PIPE SHALL BE HDPE.



BEGIN PROJECT  
MAPLEWOOD AVENUE  
STA. 100+25.00



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

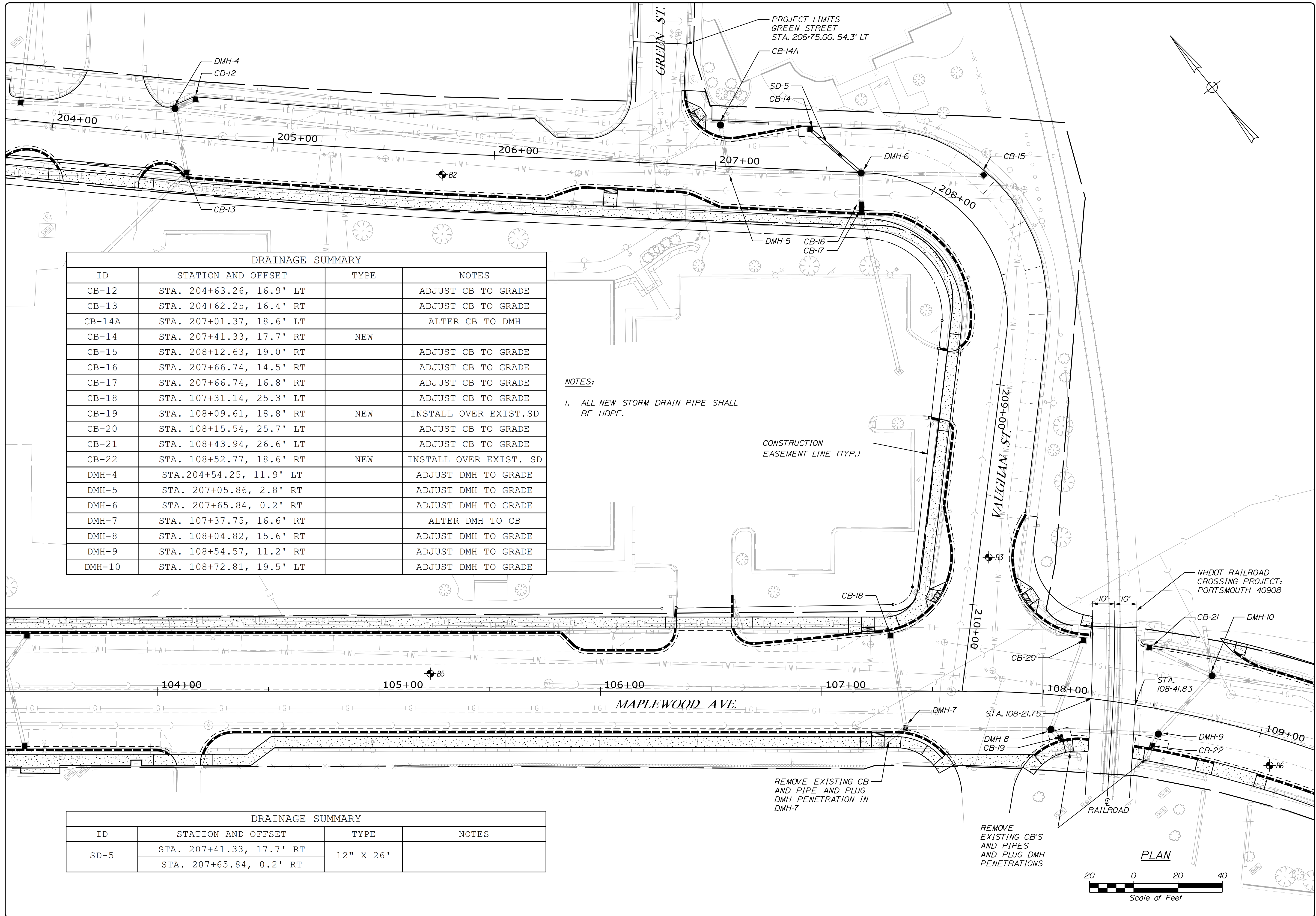
**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

GENERAL PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 20'

...General Plans\001\_Plan.dgn





DRAINAGE SUMMARY			
ID	STATION AND OFFSET	TYPE	NOTES
CB-12	STA. 204+63.26, 16.9' LT		ADJUST CB TO GRADE
CB-13	STA. 204+62.25, 16.4' RT		ADJUST CB TO GRADE
CB-14A	STA. 207+01.37, 18.6' LT		ALTER CB TO DMH
CB-14	STA. 207+41.33, 17.7' RT	NEW	
CB-15	STA. 208+12.63, 19.0' RT		ADJUST CB TO GRADE
CB-16	STA. 207+66.74, 14.5' RT		ADJUST CB TO GRADE
CB-17	STA. 207+66.74, 16.8' RT		ADJUST CB TO GRADE
CB-18	STA. 107+31.14, 25.3' LT		ADJUST CB TO GRADE
CB-19	STA. 108+09.61, 18.8' RT	NEW	INSTALL OVER EXIST. SD
CB-20	STA. 108+15.54, 25.7' LT		ADJUST CB TO GRADE
CB-21	STA. 108+43.94, 26.6' LT		ADJUST CB TO GRADE
CB-22	STA. 108+52.77, 18.6' RT	NEW	INSTALL OVER EXIST. SD
DMH-4	STA. 204+54.25, 11.9' LT		ADJUST DMH TO GRADE
DMH-5	STA. 207+05.86, 2.8' RT		ADJUST DMH TO GRADE
DMH-6	STA. 207+65.84, 0.2' RT		ADJUST DMH TO GRADE
DMH-7	STA. 107+37.75, 16.6' RT		ALTER DMH TO CB
DMH-8	STA. 108+04.82, 15.6' RT		ADJUST DMH TO GRADE
DMH-9	STA. 108+54.57, 11.2' RT		ADJUST DMH TO GRADE
DMH-10	STA. 108+72.81, 19.5' LT		ADJUST DMH TO GRADE

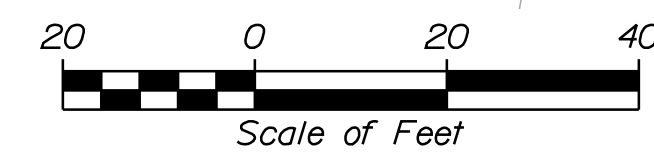
**NOTES:**  
 1. ALL NEW STORM DRAIN PIPE SHALL BE HDPE.

CONSTRUCTION EASEMENT LINE (TYP.)

REMOVE EXISTING CB AND PIPE AND PLUG DMH PENETRATION IN DMH-7

REMOVE EXISTING CB'S AND PIPES AND PLUG DMH PENETRATIONS

DRAINAGE SUMMARY			
ID	STATION AND OFFSET	TYPE	NOTES
SD-5	STA. 207+41.33, 17.7' RT	12" X 26'	
	STA. 207+65.84, 0.2' RT		



PLS OR PE  
 PROGRESS PRINT

PLS OR PE  
 NOT FOR CONSTRUCTION

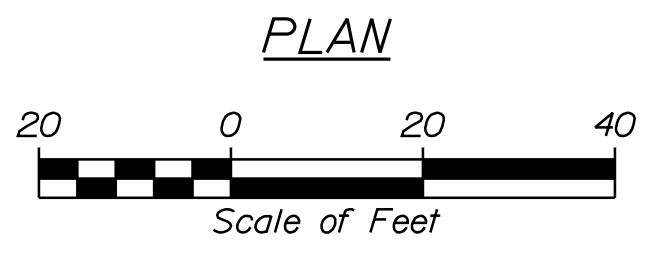
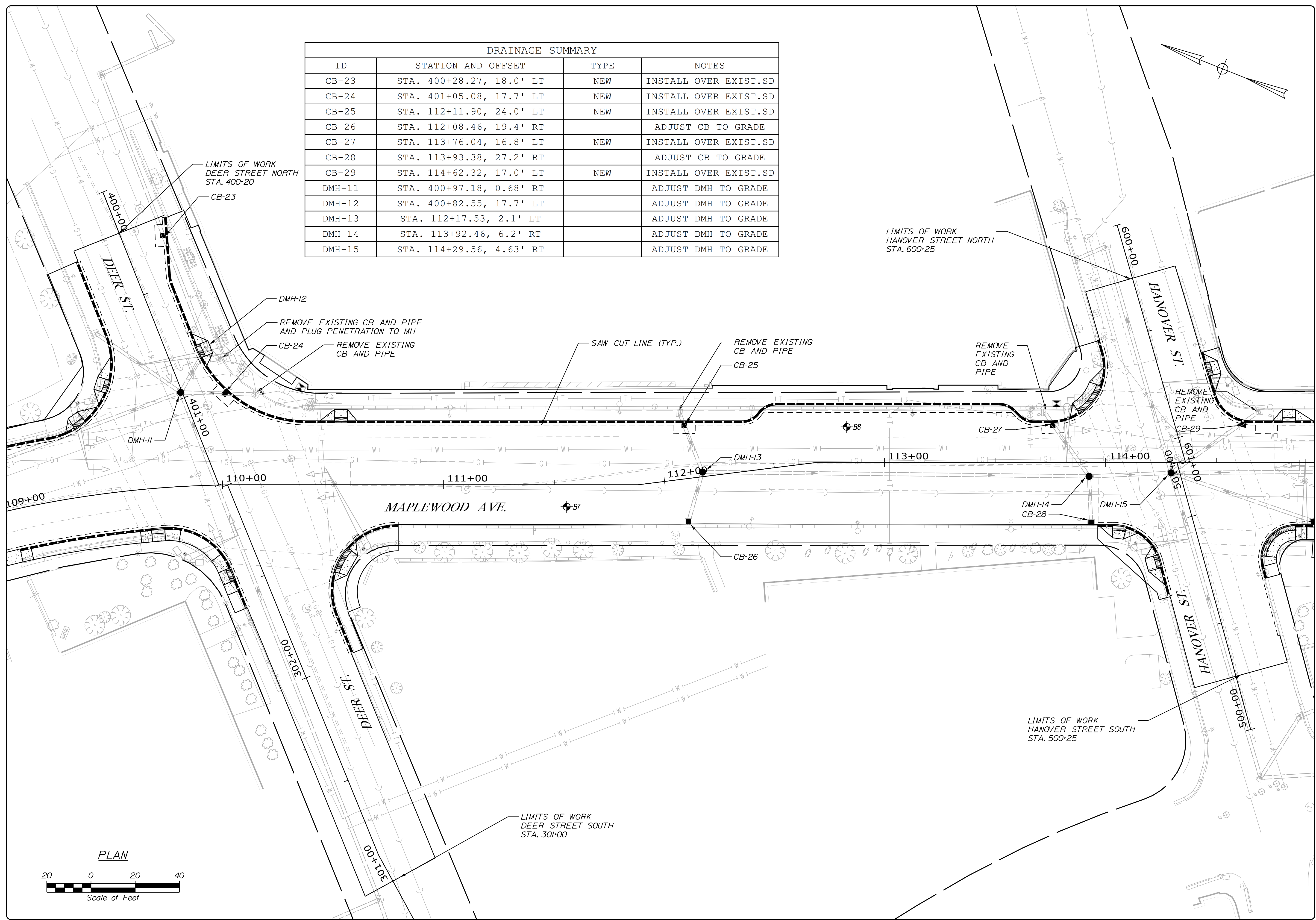
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
 TECHNICS  
 WWW.SEAGOTECHNICS.COM  
 75 John Roberts Rd.  
 Suite 4A  
 South Portland, ME 04106  
 Tel. 207-200-2100

GENERAL PLAN  
 OF: MAPLEWOOD AVENUE  
 CORRIDOR IMPROVEMENTS  
 FOR: CITY OF PORTSMOUTH  
 1 JUNKINS AVE.  
 PORTSMOUTH, NH 03801

DRAINAGE SUMMARY			
ID	STATION AND OFFSET	TYPE	NOTES
CB-23	STA. 400+28.27, 18.0' LT	NEW	INSTALL OVER EXIST.SD
CB-24	STA. 401+05.08, 17.7' LT	NEW	INSTALL OVER EXIST.SD
CB-25	STA. 112+11.90, 24.0' LT	NEW	INSTALL OVER EXIST.SD
CB-26	STA. 112+08.46, 19.4' RT		ADJUST CB TO GRADE
CB-27	STA. 113+76.04, 16.8' LT	NEW	INSTALL OVER EXIST.SD
CB-28	STA. 113+93.38, 27.2' RT		ADJUST CB TO GRADE
CB-29	STA. 114+62.32, 17.0' LT	NEW	INSTALL OVER EXIST.SD
DMH-11	STA. 400+97.18, 0.68' RT		ADJUST DMH TO GRADE
DMH-12	STA. 400+82.55, 17.7' LT		ADJUST DMH TO GRADE
DMH-13	STA. 112+17.53, 2.1' LT		ADJUST DMH TO GRADE
DMH-14	STA. 113+92.46, 6.2' RT		ADJUST DMH TO GRADE
DMH-15	STA. 114+29.56, 4.63' RT		ADJUST DMH TO GRADE



PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS

WWW.SEBAGOTECHNICS.COM

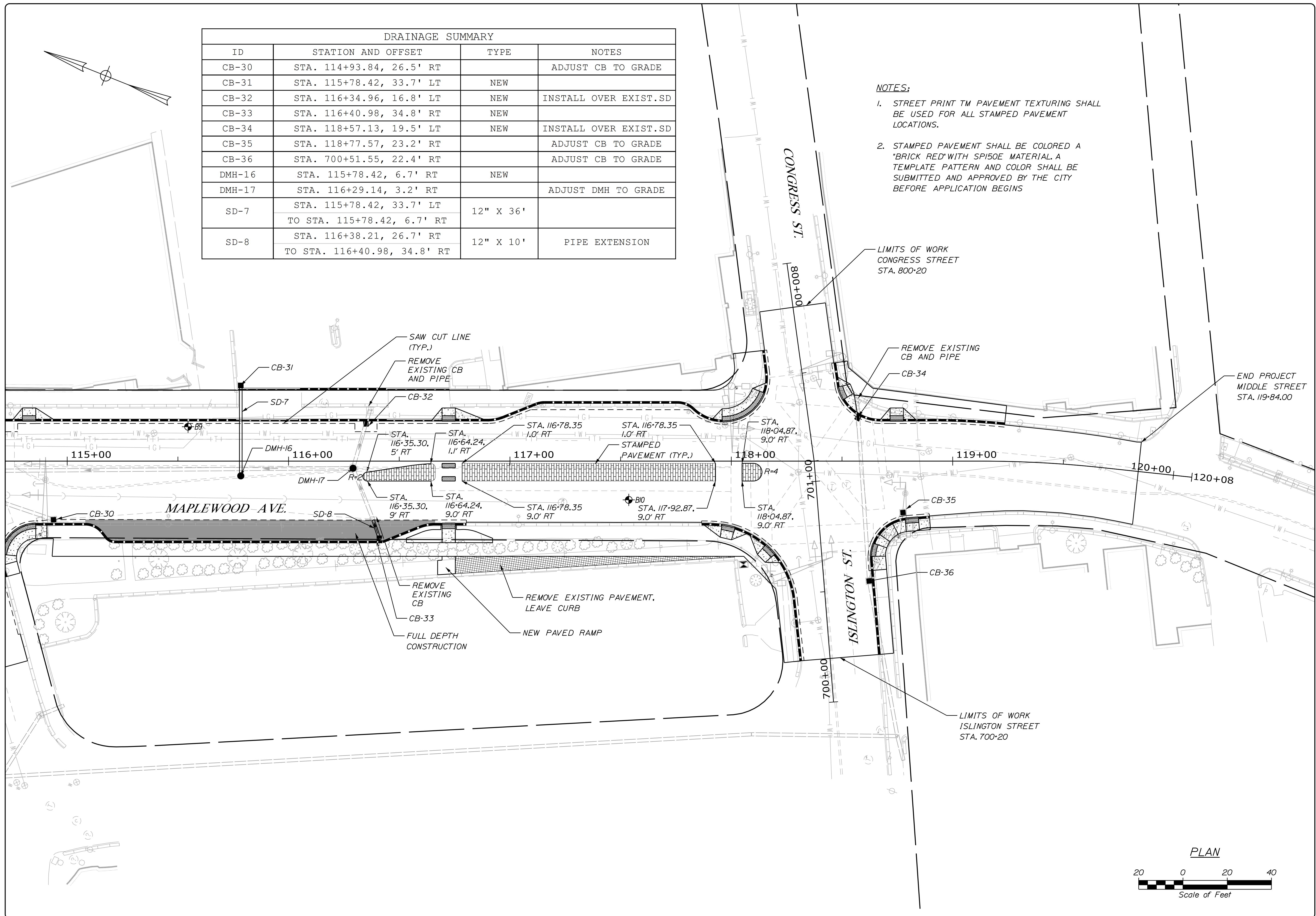
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

GENERAL PLAN  
OF: MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR: CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

DRAINAGE SUMMARY			
ID	STATION AND OFFSET	TYPE	NOTES
CB-30	STA. 114+93.84, 26.5' RT		ADJUST CB TO GRADE
CB-31	STA. 115+78.42, 33.7' LT	NEW	
CB-32	STA. 116+34.96, 16.8' LT	NEW	INSTALL OVER EXIST.SD
CB-33	STA. 116+40.98, 34.8' RT	NEW	
CB-34	STA. 118+57.13, 19.5' LT	NEW	INSTALL OVER EXIST.SD
CB-35	STA. 118+77.57, 23.2' RT		ADJUST CB TO GRADE
CB-36	STA. 700+51.55, 22.4' RT		ADJUST CB TO GRADE
DMH-16	STA. 115+78.42, 6.7' RT	NEW	
DMH-17	STA. 116+29.14, 3.2' RT		ADJUST DMH TO GRADE
SD-7	STA. 115+78.42, 33.7' LT	12" X 36'	
	TO STA. 115+78.42, 6.7' RT		
SD-8	STA. 116+38.21, 26.7' RT	12" X 10'	PIPE EXTENSION
	TO STA. 116+40.98, 34.8' RT		

**NOTES:**

1. STREET PRINT™ PAVEMENT TEXTURING SHALL BE USED FOR ALL STAMPED PAVEMENT LOCATIONS.
2. STAMPED PAVEMENT SHALL BE COLORED A 'BRICK RED' WITH SPI50E MATERIAL. A TEMPLATE PATTERN AND COLOR SHALL BE SUBMITTED AND APPROVED BY THE CITY BEFORE APPLICATION BEGINS



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV. BY:	DATE: STATUS:

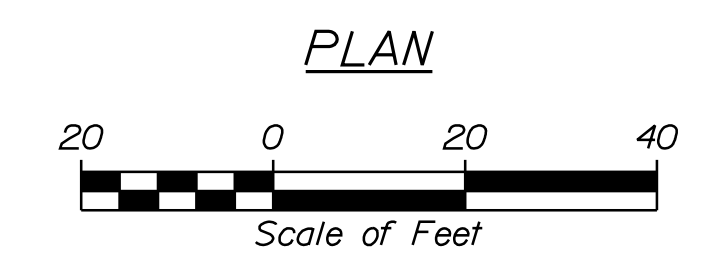
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

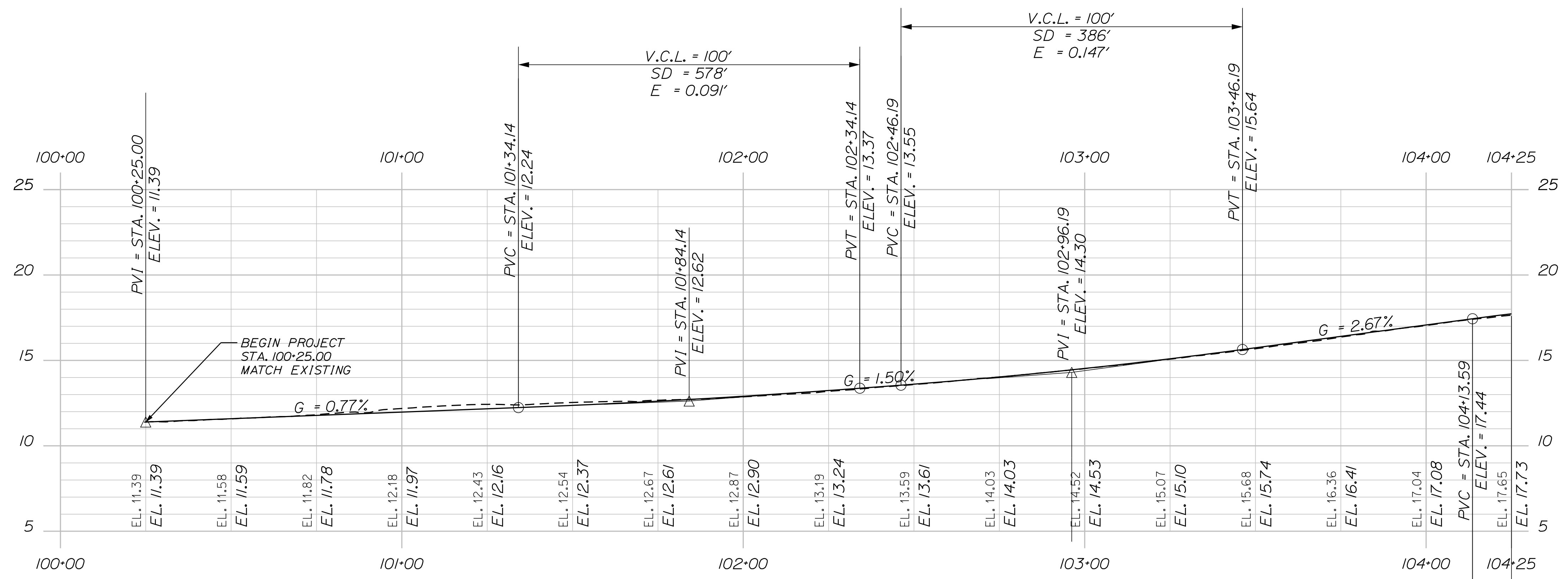
GENERAL PLAN  
OF: MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR: CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 20'

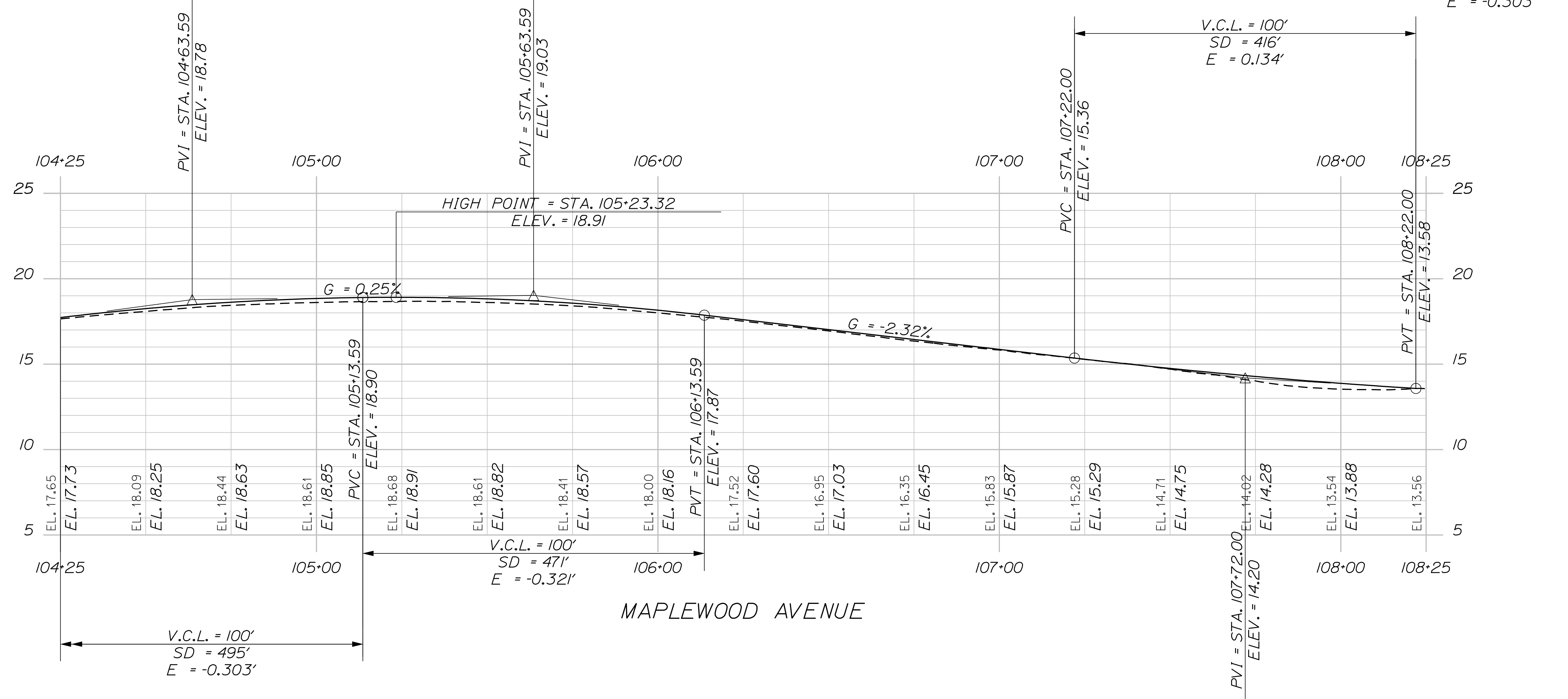
SHEET 11 OF 86



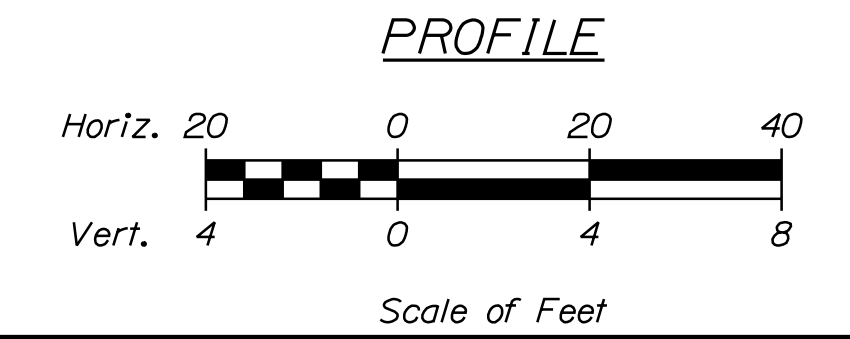
...General Plans\004\_Plan.dgn



MAPLEWOOD AVENUE



MAPLEWOOD AVENUE



PLS OR PE

PROGRESS PRINT

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

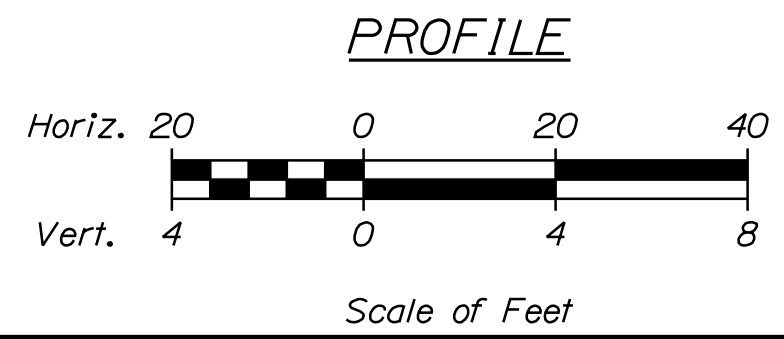
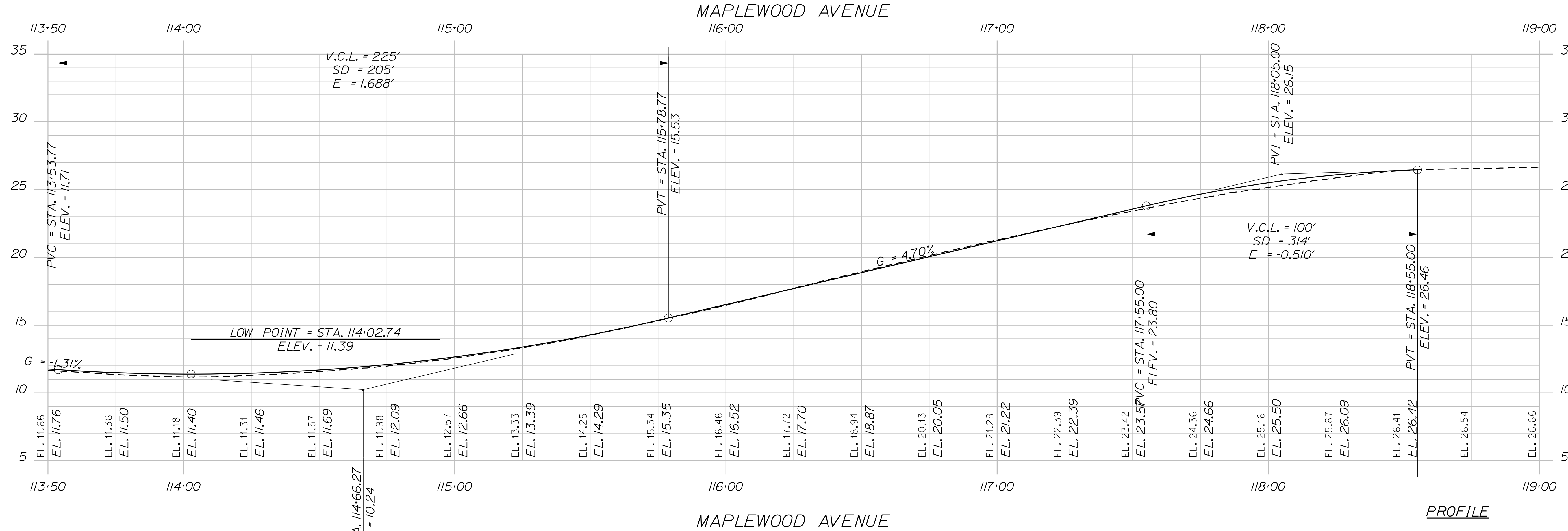
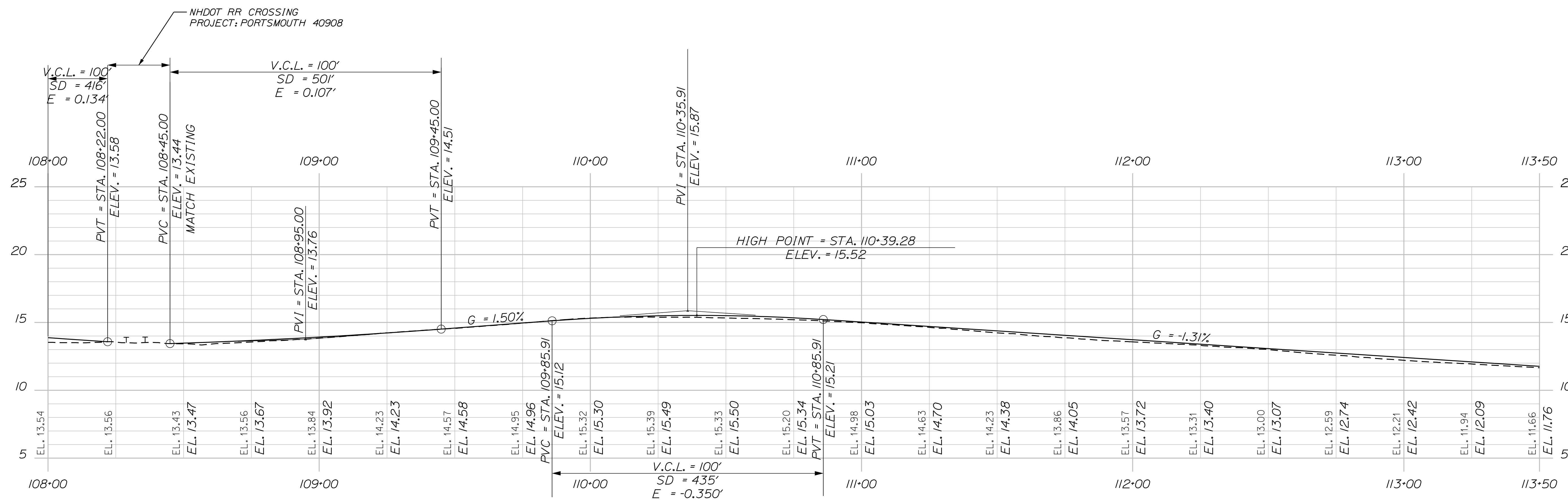
**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

PROFILES OF: MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS FOR: CITY OF PORTSMOUTH, NH 03801

PROJECT NO. 17134-01 SCALE 1" = 20'

SHEET 12 OF 86

... \SHEET12\Profiles\Profiles.dgn



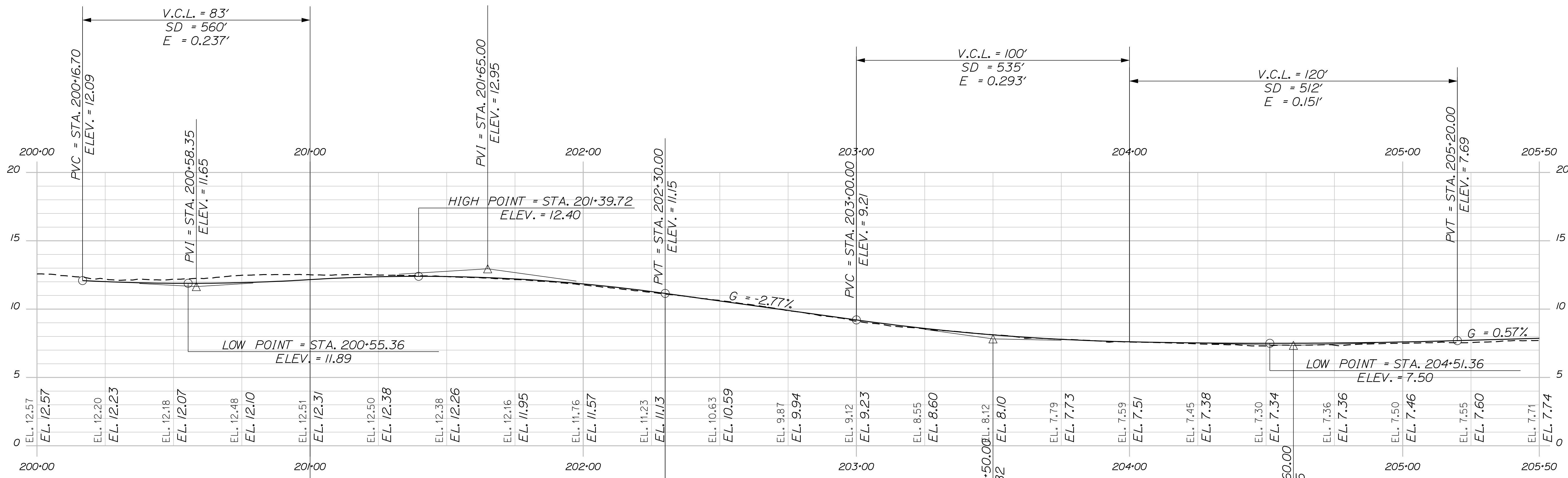
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

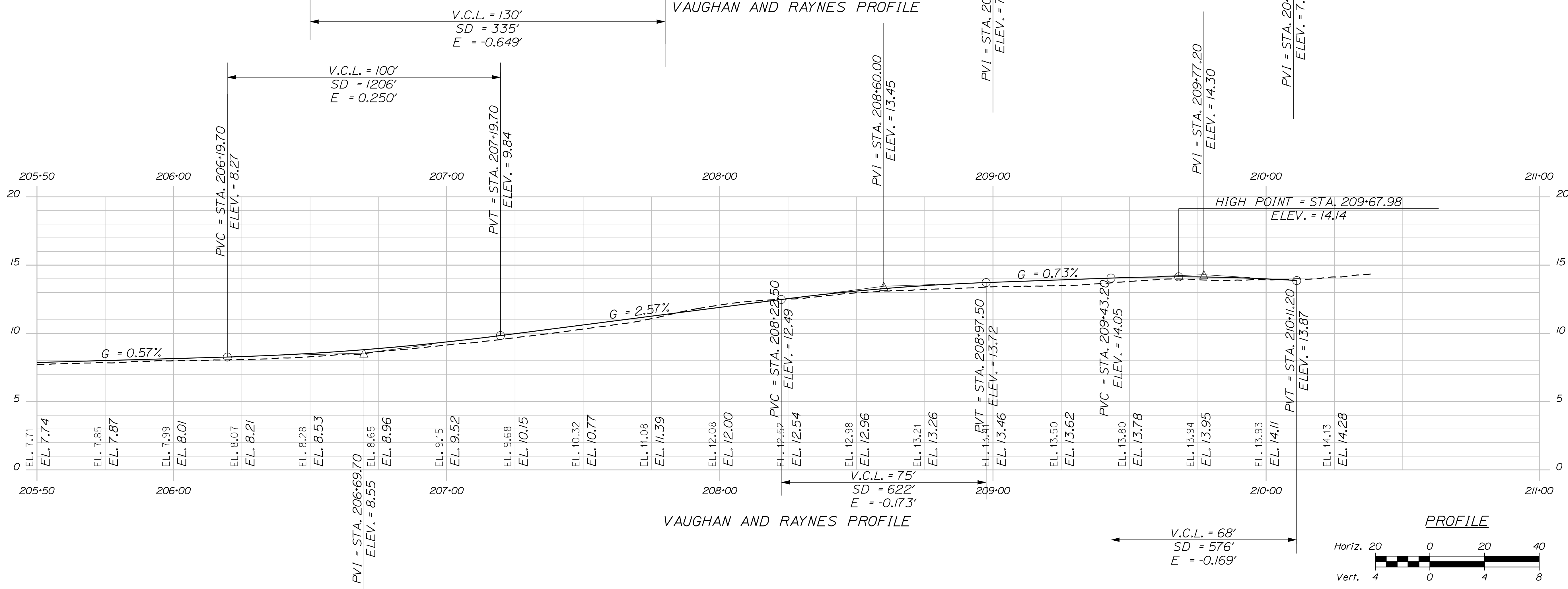
**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

PROFILES  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

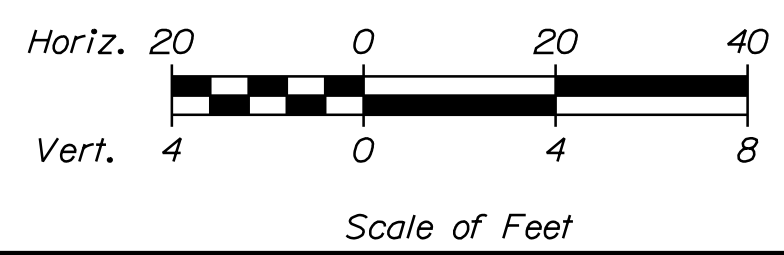
PLS OR PE  
PLS OR PE  
PROGRESS PRINT  
NOT FOR CONSTRUCTION



VAUGHAN AND RAYNES PROFILE



VAUGHAN AND RAYNES PROFILE



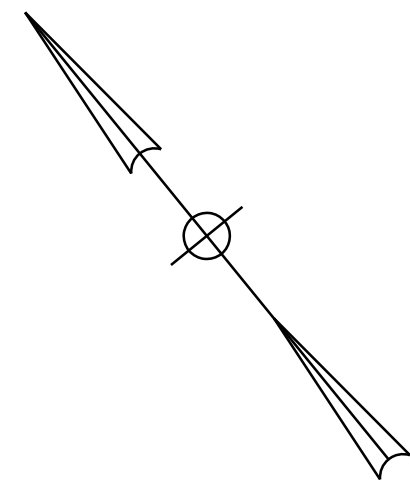
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:

**SEBAGO**  
TECHNICALS  
WWW.SEBAGOTECHNICALS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

PROFILES  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 20'

PLS OR PE  
PROGRESS  
PRINT  
NOT FOR  
CONSTRUCTION



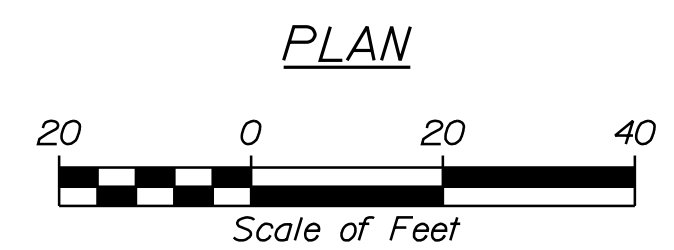
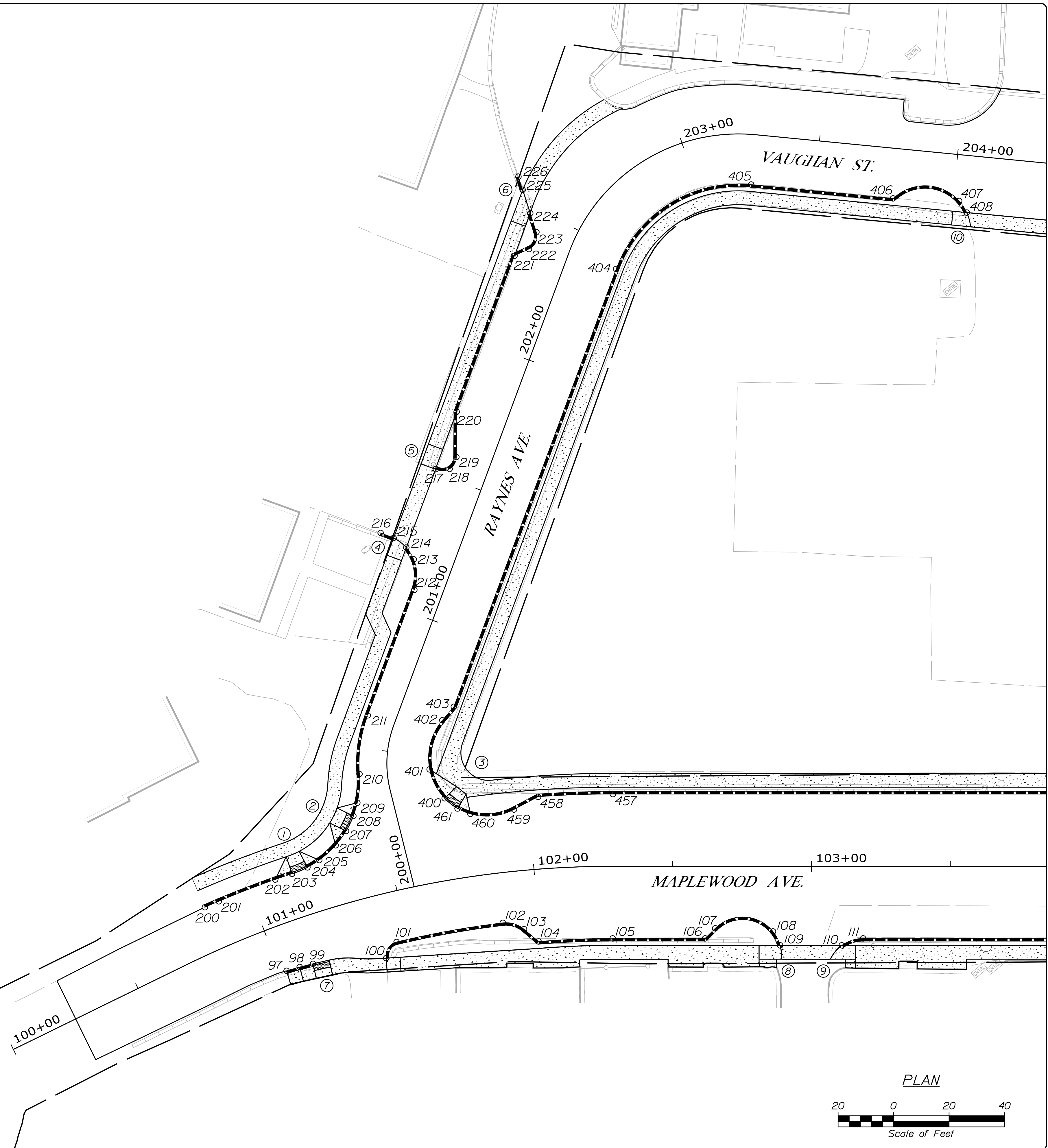
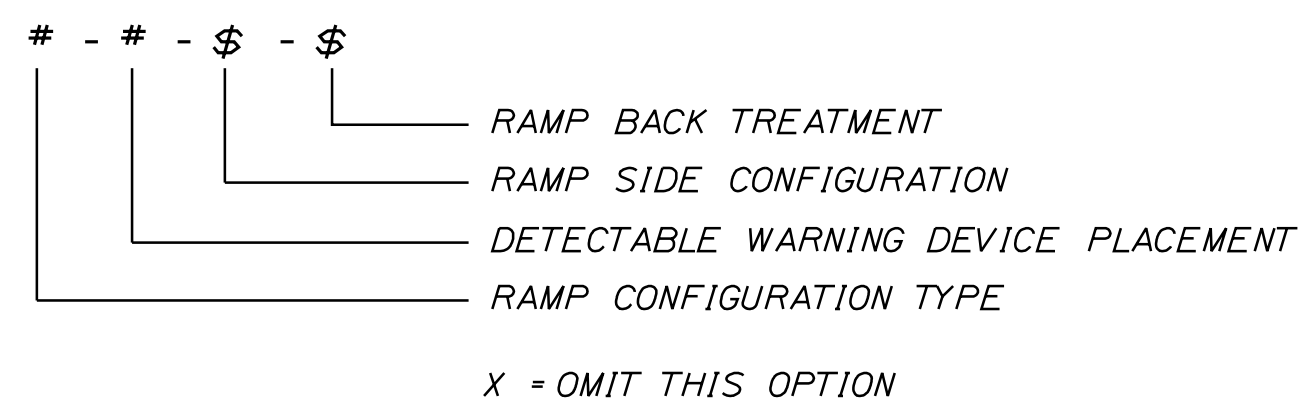
**CURB RAMP NOTES:**

1. SIDEWALK CURB RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD 'SIDEWALK CURB RAMP DETAILS' SHEETS 1-9.
2. HIGH AND LOW SIDE CURB TRANSITION LENGTHS ARE BASED ON THE ADJACENT ROADWAY PROFILE AND A 5' CURB REVEAL. SEE CURB SUMMARY TABLES.

**CURB RAMP TREATMENTS**

LOCATION	TREATMENT
①	7-5-A-A
②	7-5-A-A
③	7-5-A-A
④	2-X-B-A
⑤	2-X-B-A
⑥	2-X-B-A
⑦	B-2-B-A
⑧	2-X-B-A
⑨	2-X-B-A
⑩	2-X-B-A

**TREATMENT KEY LEGEND**



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

SEBAGO  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CURB LAYOUT PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO. 17134-01  
SCALE 1" = 20'

SHEET 15 OF 86

... \001\_Curb Plan.dgn

CONTROL POINTS FOR MAPLEWOOD AVENUE		
POINT	STATION	OFFSET
97	101+02.45	16.3' RT
98	101+07.61	16.7' RT
99	101+12.76	17.2' RT
100	101+40.19	22.8' RT
101	101+45.54	18.0' RT
102	101+86.55	18.0' RT
103	101+94.35	21.1' RT
104	101+99.51	26.0' RT
105	102+28.39	26.0' RT
106	102+61.67	26.0' RT
107	102+65.32	22.4' RT
108	102+86.15	23.5' RT
109	102+88.71	28.5' RT
110	103+10.93	28.5' RT
111	103+18.60	26.0' RT
200	100+83.83	16.0' LT
201	100+89.03	16.0' LT
202	101+09.88	16.0' LT
203	101+16.00	16.0' LT
204	101+21.73	16.5' LT
205	101+26.34	17.7' LT
206	101+33.11	21.2' LT
207	101+37.79	25.2' LT
457	102+28.43	26.0' LT
458	102+03.34	26.0' LT
459	101+94.90	22.2' LT
460	101+80.06	22.4' LT
461	101+76.02	25.0' LT

CONTROL POINTS FOR RAYNES AND VAUGHAN		
POINT	STATION	OFFSET
208	200+30.05	15.1' LT
209	200+34.34	12.5' LT
210	200+42.56	10.0' LT
211	200+59.75	10.0' LT
212	201+08.00	10.0' LT
213	201+18.22	14.0' LT
214	201+21.26	18.0' LT
215	201+22.92	23.5' LT
216	201+22.99	28.5' LT
217	201+51.48	17.9' LT
218	201+53.26	13.2' LT
219	201+58.13	12.4' LT
220	201+73.44	18.0' LT
221	202+33.44	18.0' LT
222	202+37.50	13.9' LT
223	202+43.71	13.6' LT
224	202+47.99	18.4' LT
225	202+52.62	24.8' LT
226	202+54.95	28.5' LT
400	200+28.28	18.4' RT
401	200+42.15	15.3' RT
402	200+67.42	15.8' RT
403	200+73.45	18.0' RT
404	202+41.69	18.0' RT
405	203+27.04	18.0' RT
406	203+78.39	18.0' RT
407	204+02.19	16.6' RT
408	204+05.31	20.5' RT

STRAIGHT GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
97 TO 98	115	5
98 TO 99 (TERM.)	115	5
103 TO 104	-	6.9
106 TO 107	-	5.2
200 TO 201 (TERM.)	366	5
201 TO 202	366	22.2
202 TO 203 (TERM.)	366	6.4
204 TO 205 (TERM.)	35	5
205 TO 206	35	8
206 TO 207 (TERM.)	35	6.4
458 TO 459	-	9.8
RAYNES AVENUE		
208 TO 209 (TERM.)	35	5
209 TO 210	35	10.4
210 TO 211	50	21.5
211 TO 212	-	48.2
215 TO 216 (TERM.)	-	5
219 TO 220	-	16.3
221 TO 222	-	5.7
223 TO 224 (TERM.)	-	7.2
225 TO 226 (TERM.)	-	5
402 TO 403	-	6.4
SHEET TOTAL (LF)		206

RESET GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
101 TO 102	332	38.9
104 TO 105	324	26.7
105 TO 106	-	33.3
457 TO 458	376	26.9
RAYNES AVENUE		
220 TO 221	-	60
403 TO 404	-	169.7
404 TO 405	47	61.7
VAUGHAN STREET		
405 TO 406	-	51.4
SHEET TOTAL (LF)		469

CURVED GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
100 TO 101 (TERM.)	5	7.7
102 TO 103	10	8.2
107 TO 108	14	24.2
108 TO 109 (TERM.)	14	5
110 TO 111 (TERM.)	13	8.2
459 TO 460	21	16.1
460 TO 461 (TERM.)	21	5
RAYNES AVENUE		
212 TO 213	15	11.3
213 TO 214 (TERM.)	15	5
217 TO 218 (TERM.)	5	5
218 TO 219	5	5.4
222 TO 223	5	7.3
400 TO 401 (TERM.)	21	11.9
401 TO 402	21	18.9
VAUGHAN STREET		
406 TO 407	16.5	25
407 TO 408 (TERM.)	16.5	5
SHEET TOTAL (LF)		169

PROGRESS PRINT

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BD/ SUBMISSION	
REV. BY: DATE: STATUS:	
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

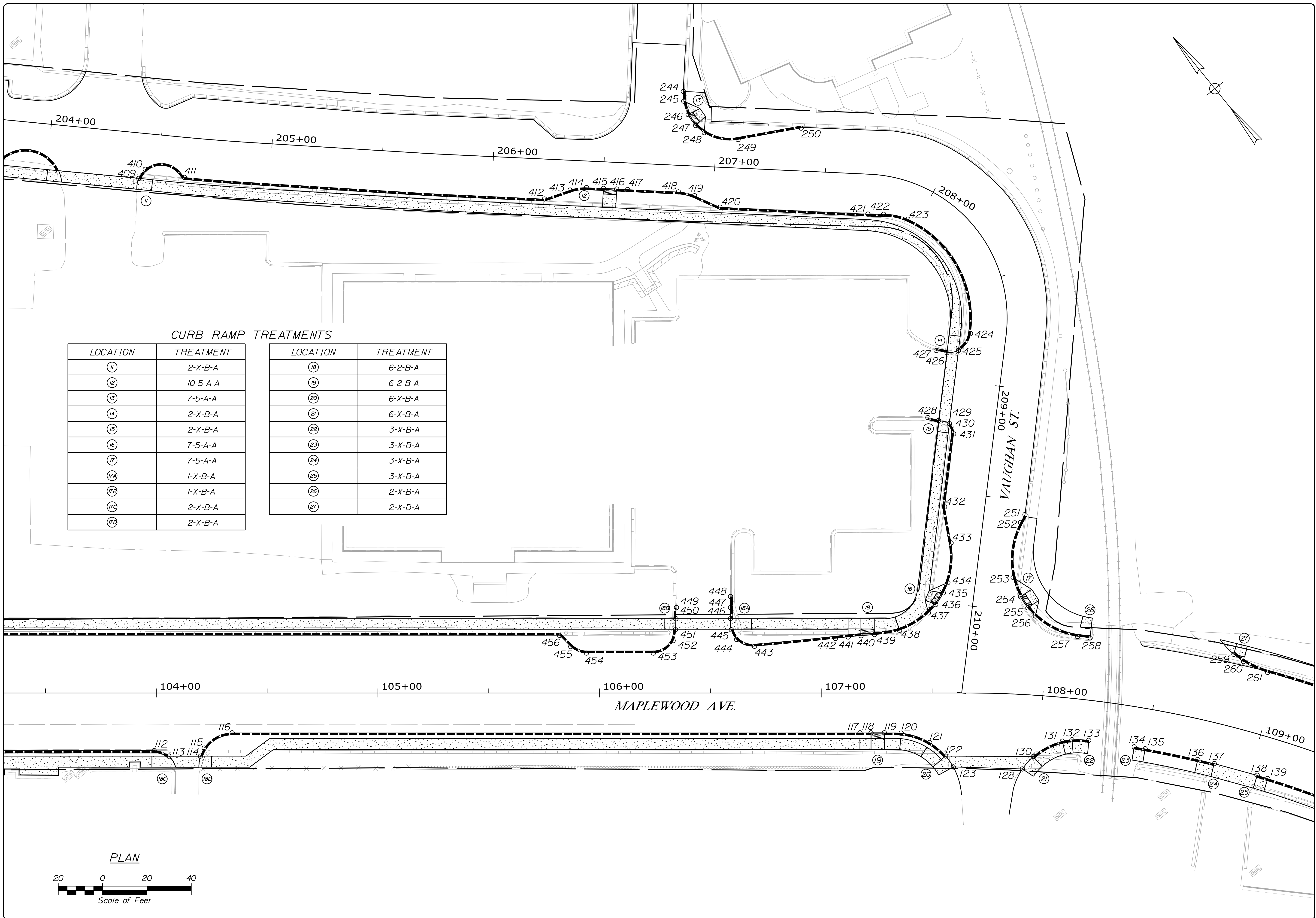
CURB LAYOUT PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 20'

PLS OR FE

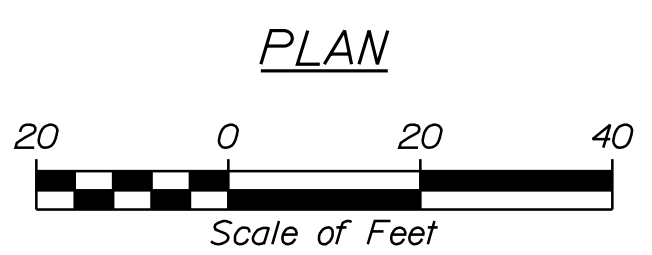
... \001\_Curb Plan.dgn





**CURB RAMP TREATMENTS**

LOCATION	TREATMENT	LOCATION	TREATMENT
11	2-X-B-A	18	6-2-B-A
12	10-5-A-A	19	6-2-B-A
13	7-5-A-A	20	6-X-B-A
14	2-X-B-A	21	6-X-B-A
15	2-X-B-A	22	3-X-B-A
16	7-5-A-A	23	3-X-B-A
17	7-5-A-A	24	3-X-B-A
17A	1-X-B-A	25	3-X-B-A
17B	1-X-B-A	26	2-X-B-A
17C	2-X-B-A	27	2-X-B-A
17D	2-X-B-A		



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CURB LAYOUT PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO. 17134-01  
SCALE 1" = 20'

SHEET 17 OF 86

...V002\_Curb Plan.dgn

CONTROL POINTS FOR MAPLEWOOD AVENUE		
POINT	STATION	OFFSET
112	103+99.03	26.0' RT
113	104+05.65	28.5' RT
114	104+19.93	28.5' RT
115	104+21.63	24.9' RT
116	104+34.24	18.0' RT
117	107+17.48	18.0' RT
118	107+22.48	18.0' RT
119	107+28.48	18.0' RT
120	107+36.08	18.1' RT
121	107+48.94	22.4' RT
122	107+56.12	28.5' RT
123	107+59.55	33.4' RT
128	107+92.74	33.5' RT
130	107+97.54	27.6' RT
131	108+10.73	19.7' RT
132	108+15.16	18.5' RT
133	108+23.02	18.0' RT
134	108+44.53	18.0' RT
135	108+49.72	18.0' RT
136	108+74.95	18.0' RT
137	108+82.84	18.0' RT
138	109+03.73	18.0' RT
139	109+08.93	18.0' RT
255	107+91.11	39.2' LT
256	107+94.43	35.7' LT
257	108+12.99	28.0' LT
258	108+18.30	28.0' LT
259	108+79.69	32.0' LT
260	108+84.40	29.9' LT
261	108+95.49	28.0' LT
436	107+51.66	39.9' LT
437	107+48.35	36.1' LT
438	107+35.33	28.3' LT
439	107+23.97	26.3' LT
440	107+17.97	25.8' LT
441	107+12.18	25.3' LT
442	107+06.40	24.6' LT
443	106+69.88	21.1' LT
444	106+61.86	24.1' LT
445	106+59.42	28.5' LT
446	106+59.10	33.5' LT
447	106+59.05	38.5' LT
448	106+59.11	43.5' LT

CONTROL POINTS FOR MAPLEWOOD AVENUE		
POINT	STATION	OFFSET
449	106+34.68	38.5' LT
450	106+34.49	33.5' LT
451	106+34.25	28.5' LT
452	106+33.19	23.6' LT
453	106+24.27	18.0' LT
454	105+94.08	18.0' LT
455	105+87.01	20.9' LT
456	105+81.94	26.0' LT

CONTROL POINTS FOR VAUGHAN STREET		
POINT	STATION	OFFSET
244	206+84.21	33.4' LT
245	206+84.62	29.0' LT
246	206+86.89	23.1' LT
247	206+90.54	18.3' LT
248	206+94.54	15.2' LT
249	207+09.92	12.9' LT
250	207+38.09	19.4' LT
251	209+56.05	18.4' LT
252	209+59.80	16.9' LT
253	209+84.89	16.6' LT
254	209+93.07	21.0' LT
409	204+41.62	20.4' RT
410	204+44.13	16.1' RT
411	204+61.97	18.0' RT
412	206+23.94	18.0' RT
413	206+35.30	13.4' RT
414	206+42.63	12.0' RT
415	206+50.23	12.0' RT
416	206+56.23	12.0' RT
417	206+61.23	12.0' RT
418	206+84.15	12.0' RT
419	206+91.49	13.4' RT
420	207+03.17	18.0' RT
421	207+70.00	18.0' RT
422	207+79.66	17.2' RT
423	207+94.52	16.0' RT
424	208+78.08	16.0' RT
425	208+86.23	20.5' RT
426	208+87.87	25.5' RT
427	208+87.53	30.5' RT
428	209+18.01	30.5' RT
429	209+18.74	25.5' RT
430	209+19.55	20.5' RT
431	209+23.88	18.0' RT
432	209+57.07	18.0' RT
433	209+72.85	13.1' RT
434	209+90.77	12.3' RT
435	209+95.65	13.8' RT

STRAIGHT GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
117 TO 118 (TERM.)	-	5
119 TO 120 (TERM.)	-	7.6
134 TO 135 (TERM.)	462	5
136 TO 137 (TERM.)	462	7.6
138 TO 139 (TERM.)	462	5
255 TO 256 (TERM.)	35	5
256 TO 257	35	21.6
257 TO 258 (TERM.)	508	5.6
259 TO 260 (TERM.)	40	5.4
260 TO 261	40	12
436 TO 437 (TERM.)	35	5
437 TO 438	35	15.3
438 TO 439 (TERM.)	40.5	11.6
440 TO 441 (TERM.)	508	5.8
441 TO 442	508	5.8
446 TO 447 (TERM.)	-	5
447 TO 448	-	5
449 TO 450 (TERM.)	-	5
455 TO 456	-	7.2
VAUGHAN STREET		
249 TO 250	-	28.9
251 TO 252	-	4
252 TO 253	35	25.9
253 TO 254 (TERM.)	35	9.2
412 TO 413	-	12.2
414 TO 415 (TERM.)	-	7.5
416 TO 417 (TERM.)	-	5
417 TO 418	-	22.9
419 TO 420	-	12.6
421 TO 422	100	7.1
426 TO 427 (TERM.)	-	5
428 TO 429 (TERM.)	-	5
432 TO 433	-	16.5
433 TO 434	35	18.2
434 TO 435 (TERM.)	35	5
SHEET TOTAL (LF)		331

CURVED GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
112 TO 113 (TERM.)	10	7.2
114 TO 115 (TERM.)	15	5
115 TO 116	15	14
120 TO 121	30	13.7
121 TO 122 (TERM.)	30	9.5
130 TO 131 (TERM.)	30	15
131 TO 132	30	4.4
132 TO 133 (TERM.)	30	7.6
443 TO 444	10	8.9
444 TO 445 (TERM.)	10	5
451 TO 452 (TERM.)	10	5
452 TO 453	10	11.2
454 TO 455	10	7.9
VAUGHAN STREET		
244 TO 245	21	4.4
245 TO 246 (TERM.)	21	6.4
247 TO 248 (TERM.)	21	5
248 TO 249	21	15.9
409 TO 410 (TERM.)	11	5
410 TO 411	11	20.7
413 TO 414	20	7.6
418 TO 419	20	7.5
422 TO 423	25	11.2
424 TO 425 (TERM.)	10	9.7
430 TO 431 (TERM.)	5	5.2
SHEET TOTAL (LF)		213

RESET GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
111 TO 112	-	80.4
116 TO 117	-	283.2
135 TO 136	462	24.3
442 TO 443	993	36.7
453 TO 454	-	30.2
456 TO 457	-	353.6
VAUGHAN STREET		
411 TO 412	-	162.8
420 TO 421	-	66.8
423 TO 424	49	63.1
431 TO 432	-	33.2
SHEET TOTAL (LF)		1134

PROGRESS PRINT

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOJ SUBMISSION	
REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CURB LAYOUT PLANS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

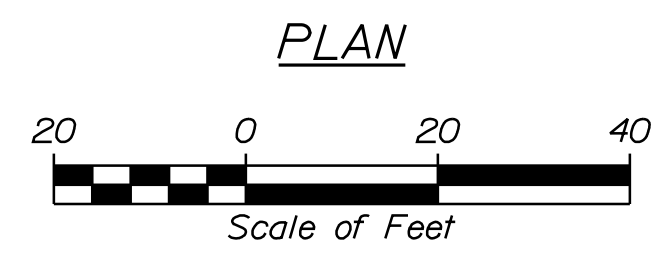
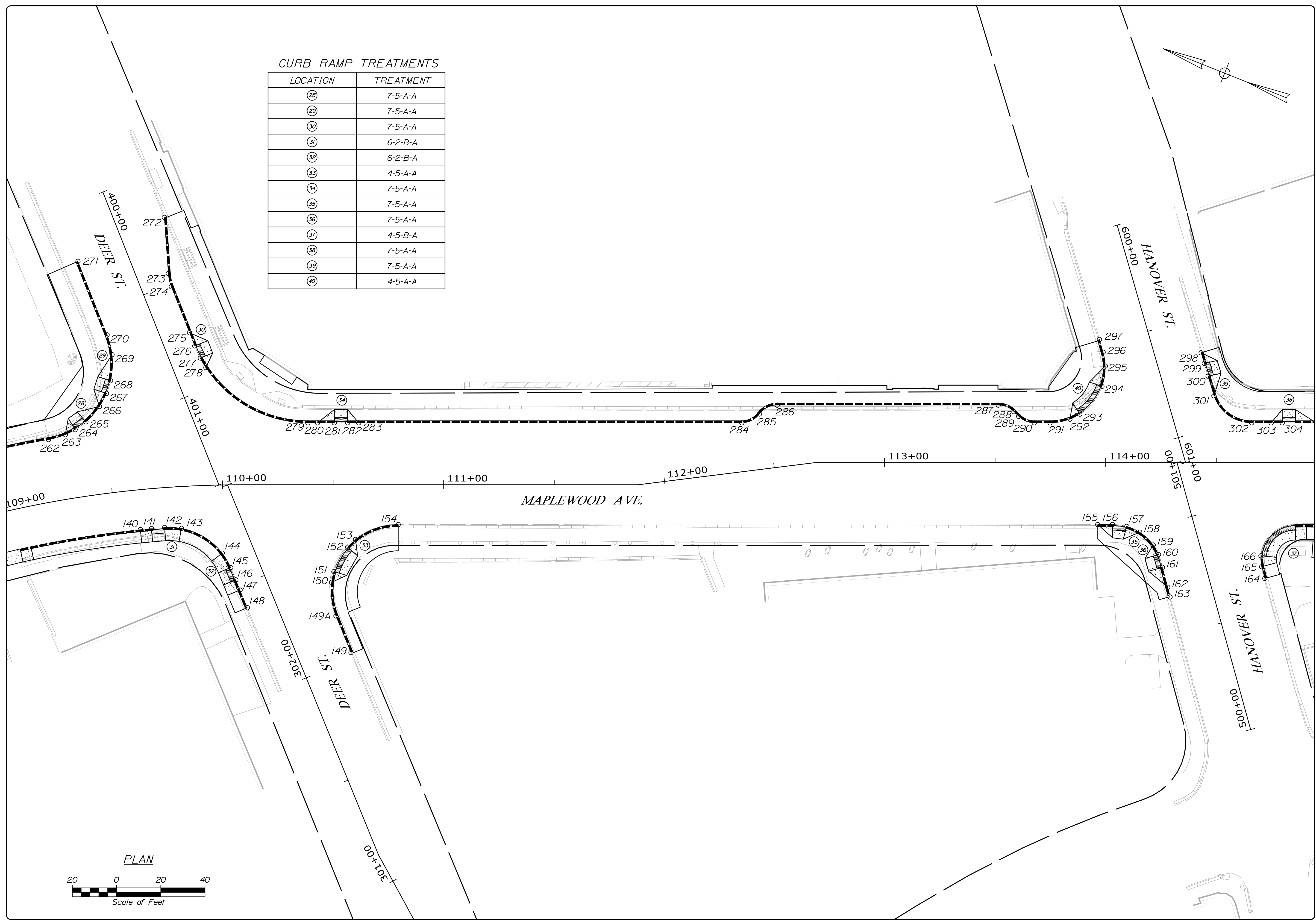
PROJECT NO.	SCALE
17134-01	1" = 20'

PLS OR FE

... \002\_Curb Plan.dgn

CURB RAMP TREATMENTS

LOCATION	TREATMENT
28	7-5-A-A
29	7-5-A-A
30	7-5-A-A
31	6-2-B-A
32	6-2-B-A
33	4-5-A-A
34	7-5-A-A
35	7-5-A-A
36	7-5-A-A
37	4-5-B-A
38	7-5-A-A
39	7-5-A-A
40	4-5-A-A



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOI SUBMISSION	
REV. BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

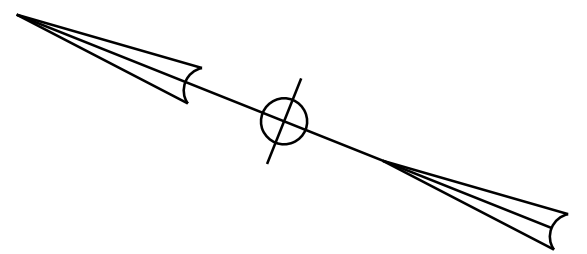
CURB LAYOUT PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO. 17134-01 SCALE 1" = 20'

SHEET 19 OF 86

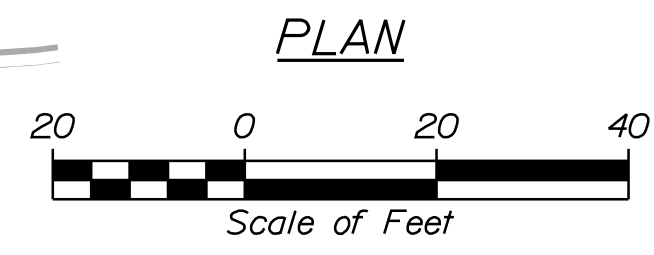
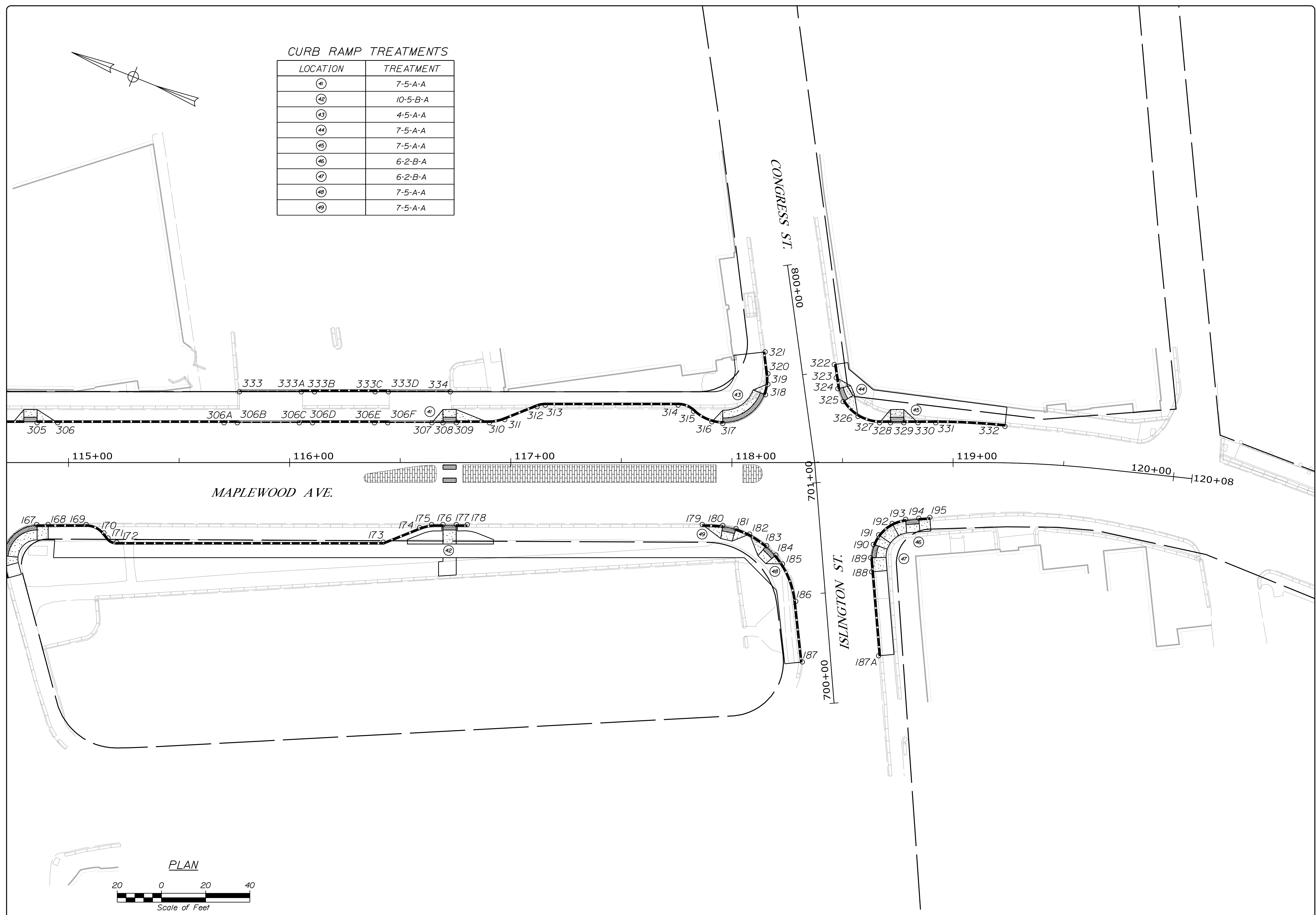
... \003\_Curb Plan.dgn





**CURB RAMP TREATMENTS**

LOCATION	TREATMENT
①	7-5-A-A
②	10-5-B-A
③	4-5-A-A
④	7-5-A-A
⑤	7-5-A-A
⑥	6-2-B-A
⑦	6-2-B-A
⑧	7-5-A-A
⑨	7-5-A-A



PLAN

PLS OR PE

PROGRESS  
PRINT

NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CURB LAYOUT PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE. 04106  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 20'

SHEET 21 OF 86

... \004\_Curb Plan.dgn

CONTROL POINTS FOR MAPLEWOOD AVENUE		
POINT	STATION	OFFSET
167	114+85.62	28.0' RT
168	114+90.79	28.0' RT
169	115+07.99	28.0' RT
170	115+16.00	31.8' RT
171	115+17.83	34.1' RT
172	115+21.75	36.0' RT
173	116+42.35	36.0' RT
174	116+58.77	29.4' RT
175	116+64.20	28.0' RT
176	116+69.35	28.0' RT
177	116+75.35	28.0' RT
178	116+80.35	28.0' RT
179	117+86.59	28.0' RT
180	117+95.87	28.4' RT
181	118+01.87	29.8' RT
182	118+08.01	32.4' RT
183	118+15.68	37.6' RT
184	118+63.96	37.0' RT
191	118+66.38	32.7' RT
192	118+72.45	27.6' RT
193	118+78.53	25.7' RT
194	118+84.51	25.2' RT
195	118+89.50	24.8' RT
305	114+85.81	18.0' LT
306	114+95.11	18.0' LT
306A	115+70.35	18.0' LT
306B	115+76.35	18.0' LT
306C	116+04.35	18.0' LT
306D	116+10.35	18.0' LT
306E	116+38.35	18.0' LT
306F	116+44.35	18.0' LT
307	116+64.35	18.0' LT
308	116+69.35	18.0' LT
309	116+75.35	18.0' LT
310	116+90.35	18.0' LT
311	116+97.26	19.4' LT
312	117+11.90	25.3' LT
313	117+15.61	26.0' LT
314	117+75.68	26.0' LT
315	117+82.60	23.2' LT
316	117+90.94	18.4' LT
317	117+95.87	17.7' LT
325	118+50.29	27.6' LT
326	118+57.03	20.9' LT
327	118+66.73	18.0' LT
328	118+71.73	18.0' LT

CONTROL POINTS FOR MAPLEWOOD AVENUE		
POINT	STATION	OFFSET
329	118+77.73	18.0' LT
330	118+84.13	18.0' LT
331	118+92.13	18.0' LT
332	119+23.12	16.5' LT
333	115+77.27	32.0' LT
333A	116+05.26	32.0' LT
333B	116+11.26	32.0' LT
333C	116+38.64	32.0' LT
333D	116+44.64	32.0' LT
334	116+72.64	32.0' LT

CONTROL POINTS FOR ISLINGTON STREET		
POINT	STATION	OFFSET
184	700+68.87	20.8' LT
185	700+64.63	18.2' LT
186	700+47.30	13.6' LT
187	700+19.76	12.8' LT
187A	700+19.76	21.8' RT
188	700+57.83	21.7' RT
189	700+64.23	21.8' RT

CONTROL POINTS FOR CONGRESS STREET		
POINT	STATION	OFFSET
318	800+56.68	17.8' RT
319	800+52.19	16.1' RT
320	800+47.42	15.5' RT
321	800+37.49	15.4' RT
322	800+47.42	14.8' LT
323	800+53.46	14.9' LT
324	800+58.44	14.9' LT

STRAIGHT GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
167 TO 168 (TERM.)	-	5
168 TO 169	-	17.2
170 TO 171	-	2.9
173 TO 174	-	17.7
175 TO 176 (TERM.)	-	5
177 TO 178 (TERM.)	-	5
179 TO 180 (TERM.)	100	9.3
181 TO 182 (TERM.)	39	6.7
182 TO 183 (TERM.)	39	9.3
194 TO 195 (TERM.)	-	5
305 TO 306 (TERM.)	-	9.3
307 TO 308 (TERM.)	-	5
309 TO 310 (TERM.)	-	15
311 TO 312	-	15.8
313 TO 314	-	60.1
327 TO 328 (TERM.)	-	5
329 TO 330 (TERM.)	-	6.4
330 TO 331	-	8
331 TO 332	300	31.4
333 TO 334	-	95.4
ISLINGTON STREET		
184 TO 185 (TERM.)	39	5
185 TO 186	39	18.1
186 TO 187	-	27.6
187A TO 188	-	42.5
188 TO 189 (TERM.)	-	6.4
CONGRESS STREET		
320 TO 321	-	9.9
322 TO 323	-	6
323 TO 324 (TERM.)	-	5
SHEET TOTAL (LF)		360

RESET GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
172 TO 173	-	120.6
306 TO 306A	-	84.5
306D TO 306E	-	28
333B TO 333C	-	27.4
SHEET TOTAL (LF)		261

STRAIGHT TO SLOPE CURB TRANSITION		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
306A TO 306B	-	6
306C TO 306D	-	6
306E TO 306F	-	6
333A TO 333B	-	6
333C TO 333D	-	6
SHEET TOTAL (LF)		30

CURVED GRANITE CURB		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
169 TO 170	10	9
171 TO 172	5	4.5
174 TO 175	20	5.6
190 TO 191 (TERM.)	18	5
191 TO 192	18	8
192 TO 193 (TERM.)	18	6.4
310 TO 311	20	7.1
312 TO 313	10	3.8
314 TO 315	10	7.6
315 TO 316	20	9.7
316 TO 317 (TERM.)	20	5
325 TO 326 (TERM.)	20	9.6
326 TO 327	20	10.2
CONGRESS STREET		
318 TO 319 (TERM.)	20	5
319 TO 320	20	4.7
SHEET TOTAL (LF)		101

STRAIGHT GRANITE SLOPE CURB- 4" REVEAL		
POINT TO POINT	RADIUS (FT)	LENGTH (LF)
MAPLEWOOD AVENUE		
306B TO 306C	-	28
306F TO 307	-	20
307 TO 308 (TERM)	-	5
333 TO 333A	-	28
333D TO 334	-	28
SHEET TOTAL (LF)		109

PLS OR FE

PROGRESS PRINT

PLS OR FE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BD/ SUBMISSION	
REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

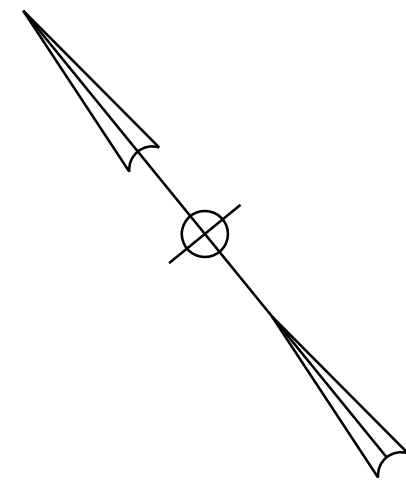


SEBAGO TECHNICS  
 WWW.SEBAGOTECHNICS.COM  
 75 John Roberts Rd.  
 Suite 4A  
 South Portland, ME 04106  
 Tel. 207-200-2100

CURB LAYOUT PLAN  
 OF:  
 MAPLEWOOD AVENUE  
 CORRIDOR IMPROVEMENTS  
 FOR:  
 CITY OF PORTSMOUTH  
 1 JUNKINS AVE.  
 PORTSMOUTH, NH 03801

PROJECT NO. 17134-01	SCALE 1" = 20'
-------------------------	-------------------

... \004\_Curb Plan.dgn



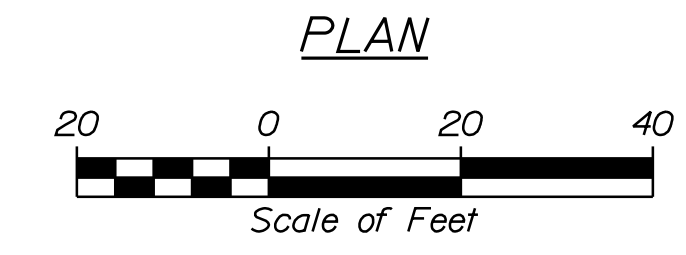
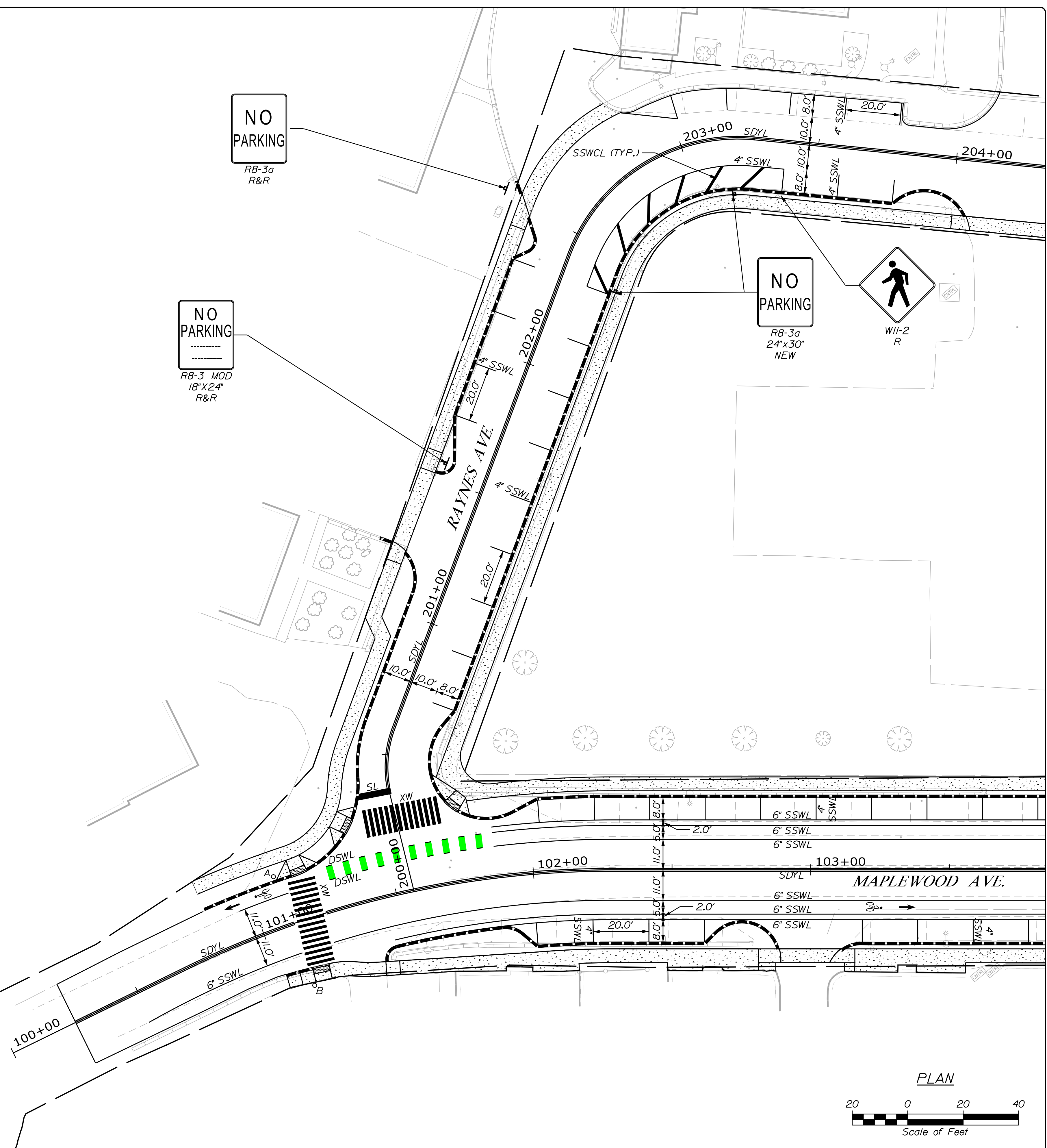
RRFB LAYOUT

STRUCTURE	LOCATION	DESCRIPTION	FOUNDATION
A	STA. 10+10.11, 18.34' LT	RECTANGULAR RAPID FLASHING BEACON (RRFB)	18" DIAMETER
B	STA. 10+11.25, 23.53' RT	RECTANGULAR RAPID FLASHING BEACON (RRFB)	18" DIAMETER

RRFB NOTES:

- RECTANGULAR RAPID FLASHING BEACONS (RRFB) SHALL MEET THE REQUIREMENTS IN THE SPECIAL PROVISIONS.
- RRFB'S SHALL BE THE CARMANAH R920-E SYSTEM.
- POLE SHALL BE A MINIMUM OF 4" DIAMETER, GALVANIZED STEEL POLE.

SIGN/PVMT. MARKING LEGEND	
SYMBOL	DESCRIPTION
SSWL	SOLID SINGLE WHITE LINE
DSWL	6" DASHED SINGLE WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SSYCL	12" SOLID SINGLE YELLOW CHEVRON LINE
SSWCL	12" SOLID SINGLE WHITE CHEVRON LINE
SL	18" STOP LINE
XW	12" CROSSWALK (SEE DETAILS)
R	REMOVE SIGN
L	LEAVE SIGN
R-R	REMOVE AND RELOCATE SIGN
R-S	REMOVE AND SALVAGE SIGN
	BIKE LANE MARKING (SEE DETAILS)
	BIKE SHARED LANE MARKING (SEE DETAILS)



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19	FINAL PRELIMINARY PLANS
1 BRL 04/05/19	60% SUBMISSION
REV: BY: DATE:	STATUS:

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

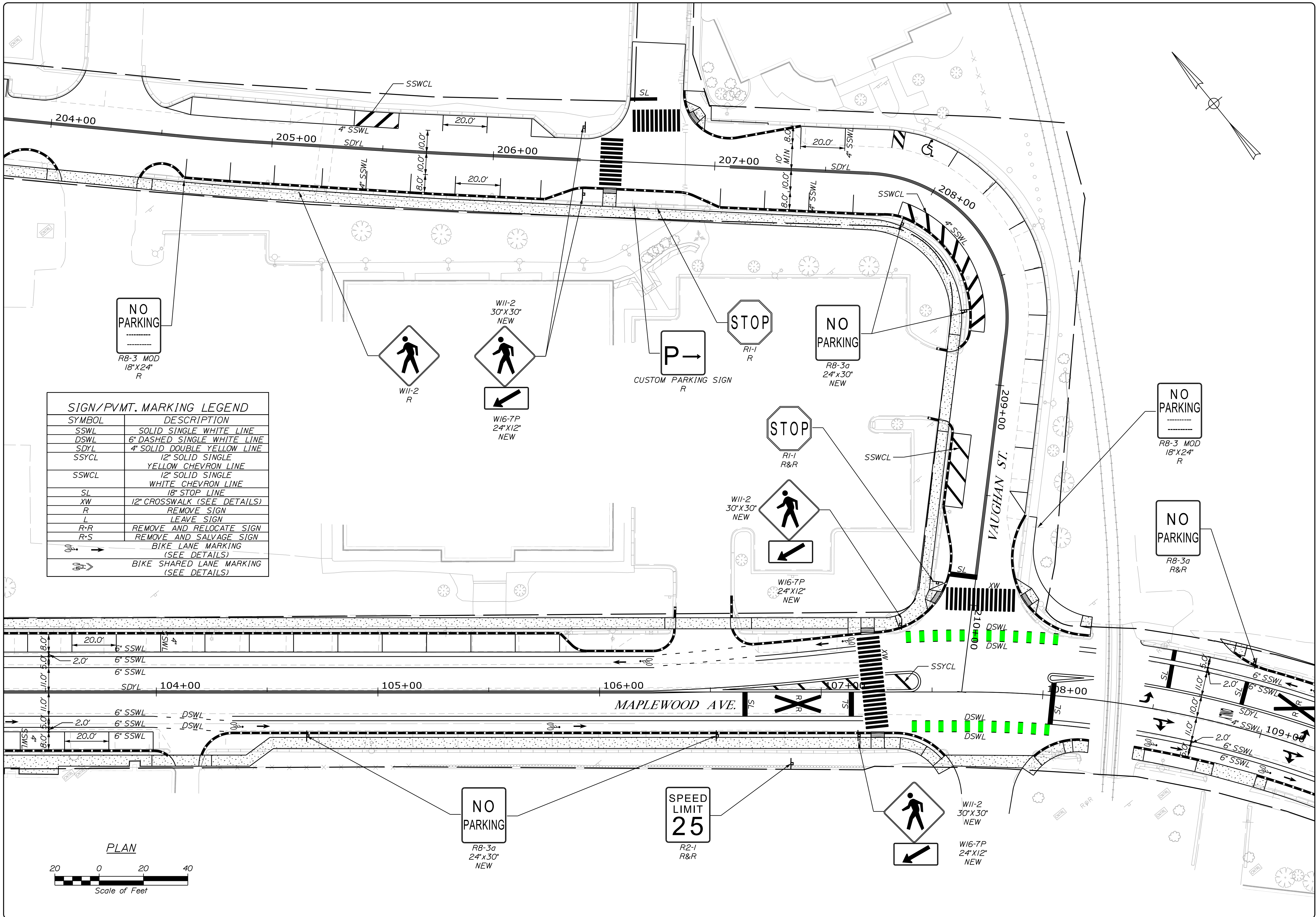
**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

PAVEMENT MARKING & SIGNING PLAN  
OF: MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR: CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO. 17134-01  
SCALE 1" = 20'

SHEET 23 OF 86

... \001\_Pavement Marking Plan.dgn



**SIGN/PVMT. MARKING LEGEND**

SYMBOL	DESCRIPTION
SSWL	SOLID SINGLE WHITE LINE
DSWL	6" DASHED SINGLE WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SSYCL	12" SOLID SINGLE YELLOW CHEVRON LINE
SSWCL	12" SOLID SINGLE WHITE CHEVRON LINE
SL	18" STOP LINE
XW	12" CROSSWALK (SEE DETAILS)
R	REMOVE SIGN
L	LEAVE SIGN
R-R	REMOVE AND RELOCATE SIGN
R-S	REMOVE AND SALVAGE SIGN
	BIKE LANE MARKING (SEE DETAILS)
	BIKE SHARED LANE MARKING (SEE DETAILS)

PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS 1 BRL 04/05/19 60% SUBMISSION REV. BY: DATE STATUS: <small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
TECHNICS

WWW.SEAGOTECHNICS.COM

75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

PAVEMENT MARKING & SIGNING PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

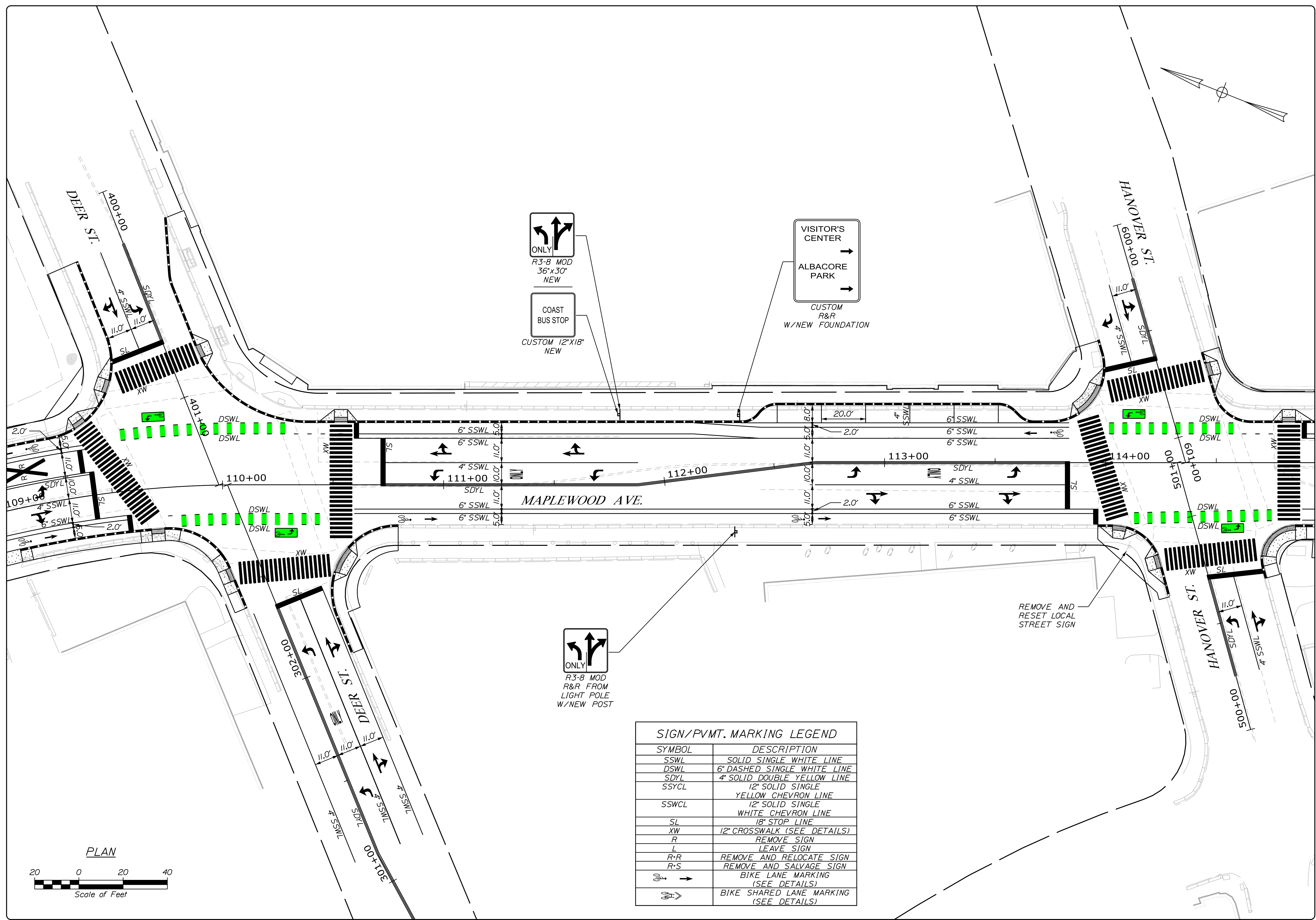
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

PAVEMENT MARKING & SIGNING PLAN  
OF: MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR: CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 20'
SHEET 25 OF 86	



**ONLY**  
R3-8 MOD  
36"x30"  
NEW

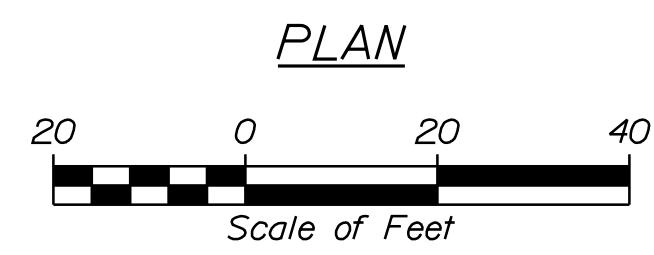
**COAST  
BUS STOP**  
CUSTOM 12"x18"  
NEW

**VISITOR'S  
CENTER**  
ALBACORE  
PARK

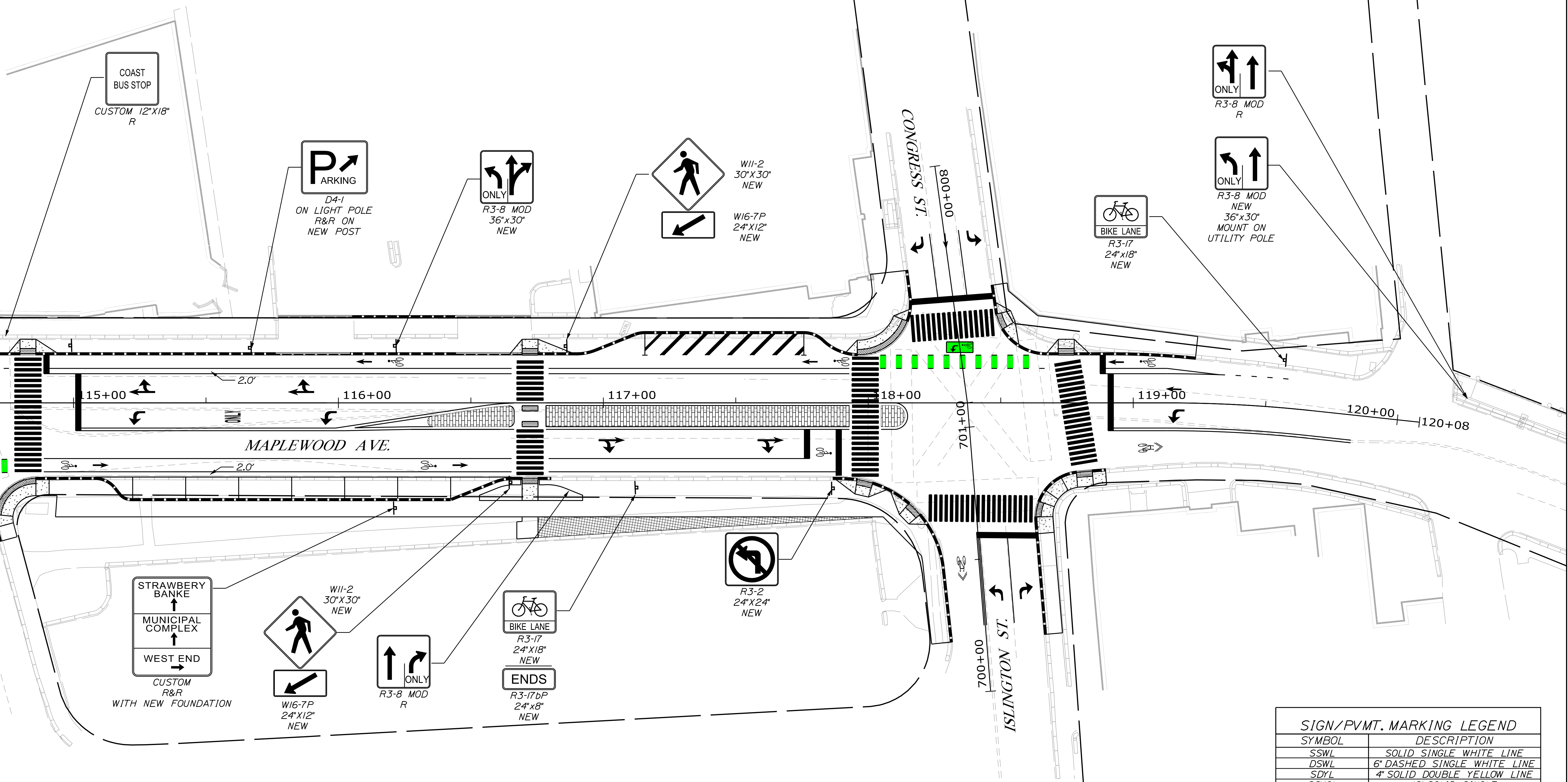
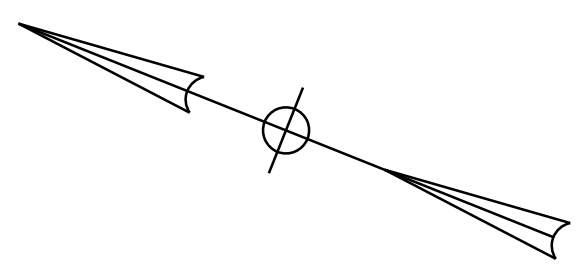
CUSTOM  
R&R  
W/NEW FOUNDATION

**ONLY**  
R3-8 MOD  
R&R FROM  
LIGHT POLE  
W/NEW POST

SIGN/PVMT. MARKING LEGEND	
SYMBOL	DESCRIPTION
SSWL	SOLID SINGLE WHITE LINE
DSWL	6" DASHED SINGLE WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SSYCL	12" SOLID SINGLE YELLOW CHEVRON LINE
SSWCL	12" SOLID SINGLE WHITE CHEVRON LINE
SL	18" STOP LINE
XW	12" CROSSWALK (SEE DETAILS)
R	REMOVE SIGN
L	LEAVE SIGN
R+R	REMOVE AND RELOCATE SIGN
R+S	REMOVE AND SALVAGE SIGN
	BIKE LANE MARKING (SEE DETAILS)
	BIKE SHARED LANE MARKING (SEE DETAILS)



... 1003... Pavement\_Markings\_Plan.dgn



COAST  
BUS STOP  
CUSTOM 12'x18"  
R

P  
PARKING  
D4-1  
ON LIGHT POLE  
R&R ON  
NEW POST

ONLY  
R3-8 MOD  
36'x30"  
NEW

W11-2  
30'x30"  
NEW

W16-7P  
24'x12"  
NEW

ONLY  
R3-8 MOD  
R

ONLY  
R3-8 MOD  
NEW  
36'x30"  
MOUNT ON  
UTILITY POLE

BIKE LANE  
R3-17  
24'x18"  
NEW

MAPLEWOOD AVE.

STRAWBERRY  
BANKE  
↑  
MUNICIPAL  
COMPLEX  
↑  
WEST END  
→  
CUSTOM  
R&R  
WITH NEW FOUNDATION

W11-2  
30'x30"  
NEW

W16-7P  
24'x12"  
NEW

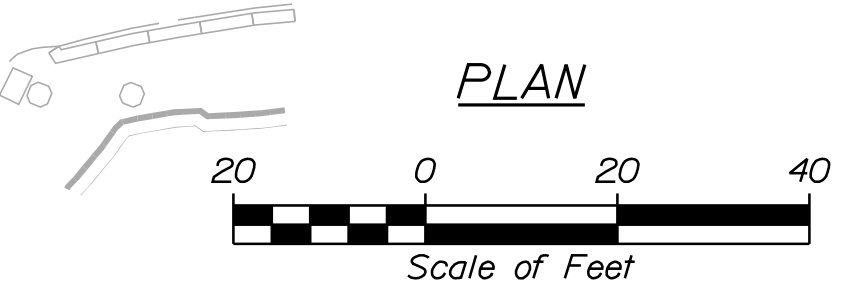
ONLY  
R3-8 MOD  
R

BIKE LANE  
R3-17  
24'x18"  
NEW

ENDS  
R3-17bP  
24'x8"  
NEW

R3-2  
24'x24"  
NEW

ISLINGTON ST.



PLAN

SIGN/PVMT. MARKING LEGEND	
SYMBOL	DESCRIPTION
SSWL	SOLID SINGLE WHITE LINE
DSWL	6" DASHED SINGLE WHITE LINE
SDYL	4" SOLID DOUBLE YELLOW LINE
SSYCL	12" SOLID SINGLE YELLOW CHEVRON LINE
SSWCL	12" SOLID SINGLE WHITE CHEVRON LINE
SL	18" STOP LINE
XW	12" CROSSWALK (SEE DETAILS)
R	REMOVE SIGN
L	LEAVE SIGN
R-R	REMOVE AND RELOCATE SIGN
R-S	REMOVE AND SALVAGE SIGN
	BIKE LANE MARKING (SEE DETAILS)
	BIKE SHARED LANE MARKING (SEE DETAILS)

PLS OR PE

PLS OR PE

DESIGNED  
BRL

CHECKED  
SSS

2	BRL	05/31/19	FINAL PRELIMINARY PLANS
1	BRL	04/05/19	60% SUBMISSION
REV:	BY:	DATE:	STATUS:

**SEBAGO**  
TECHNICALS  
WWW.SEAGOTECHNICALS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

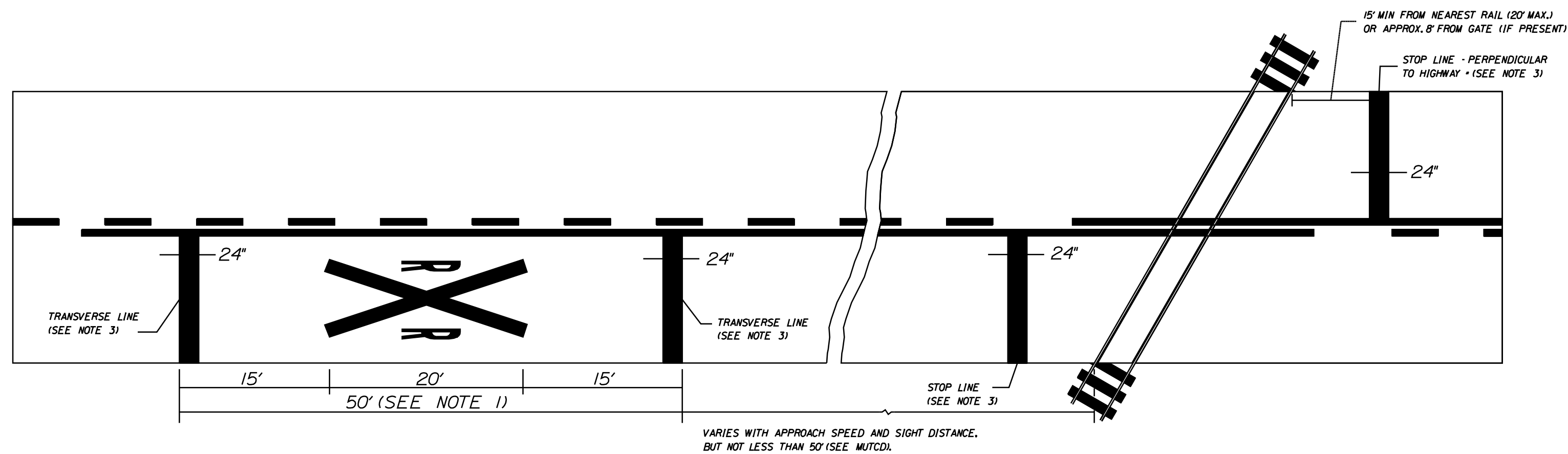
PAVEMENT MARKING & SIGNING PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO. 17134-01  
SCALE 1" = 20'

SHEET 26 OF 86

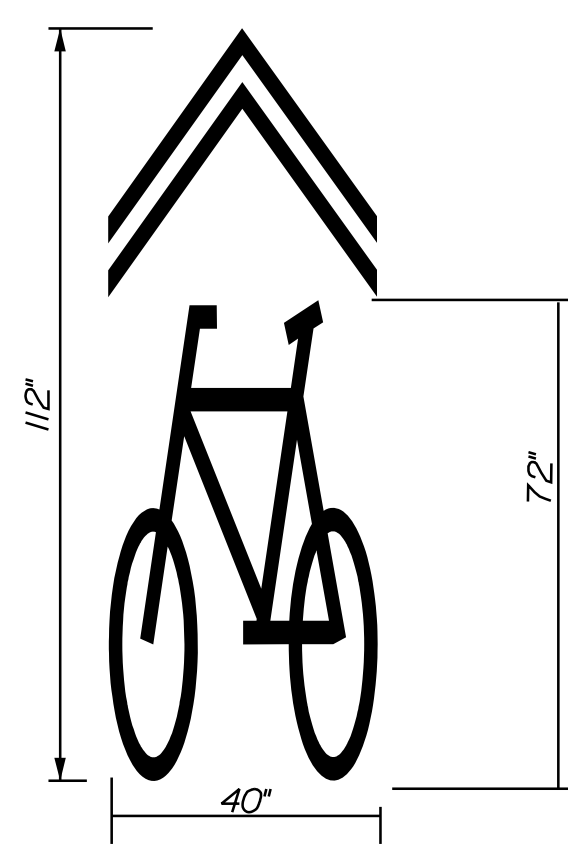
PROGRESS  
PRINT

NOT FOR  
CONSTRUCTION

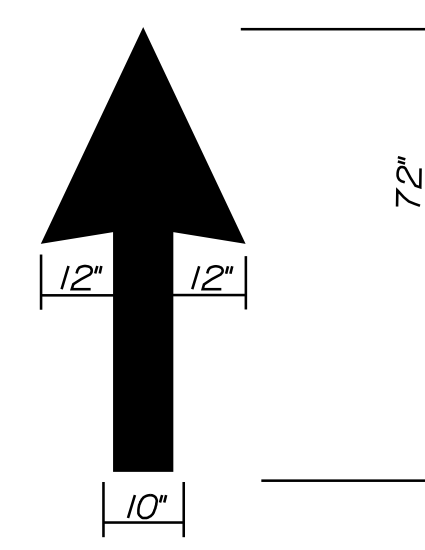


**PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSINGS**

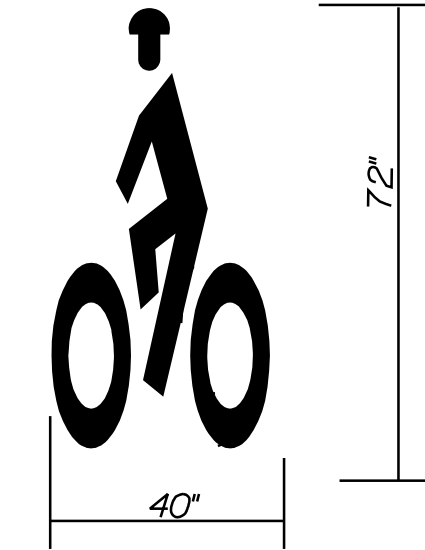
1. A PORTION OF THE PAVEMENT MARKING RXR SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1, NOT SHOWN).
2. ON MULTI-LANE ROADS THE TRANSVERSE LINES SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL RXR SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.
3. RXR SYMBOL WILL BE PAID FOR BY THE SQUARE FOOT, TRANSVERSE LINES AND STOP BARS (24" WIDE) WILL BE PAID FOR BY THE LINEAR FOOT.



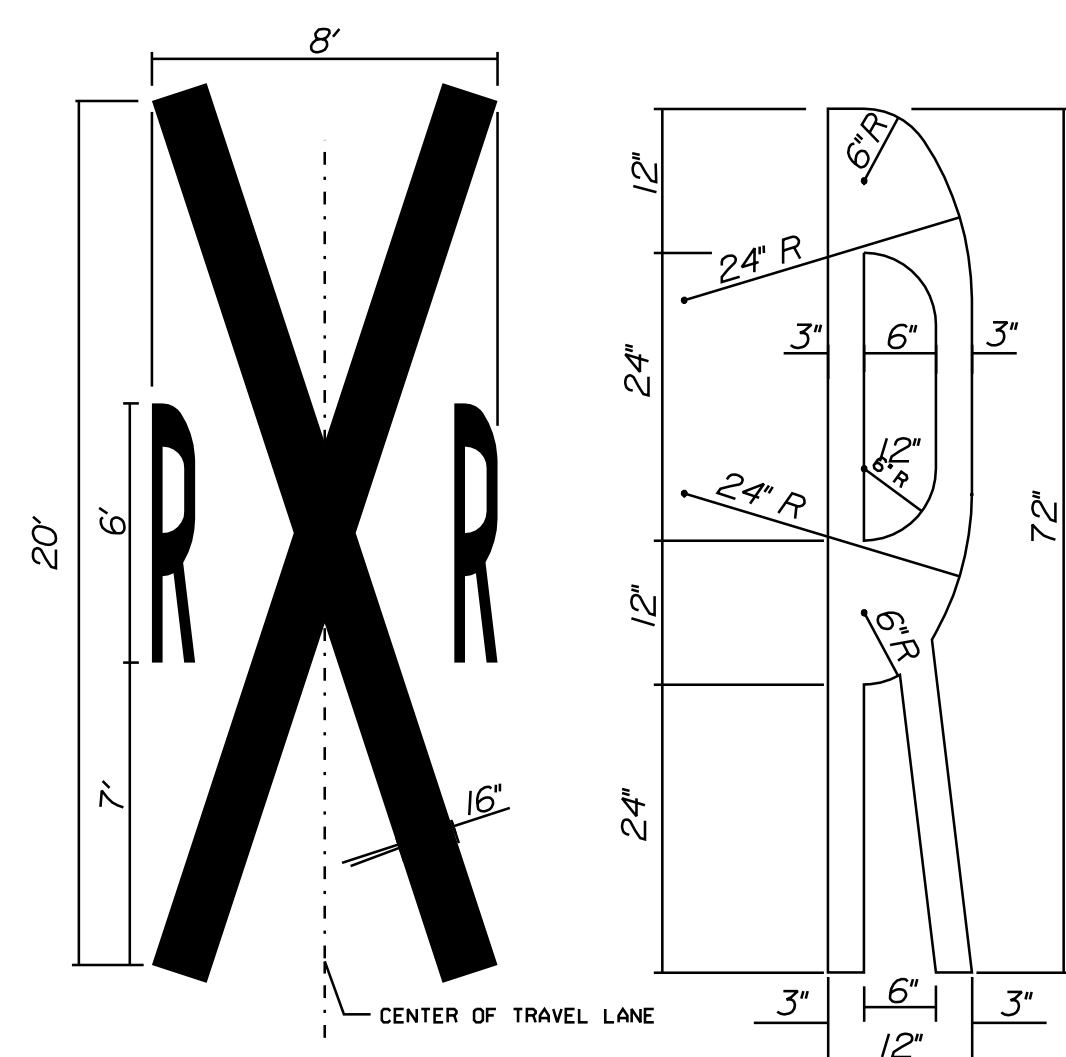
**SHARED LANE MARKING**  
PAY QUANTITY 9.0 SF



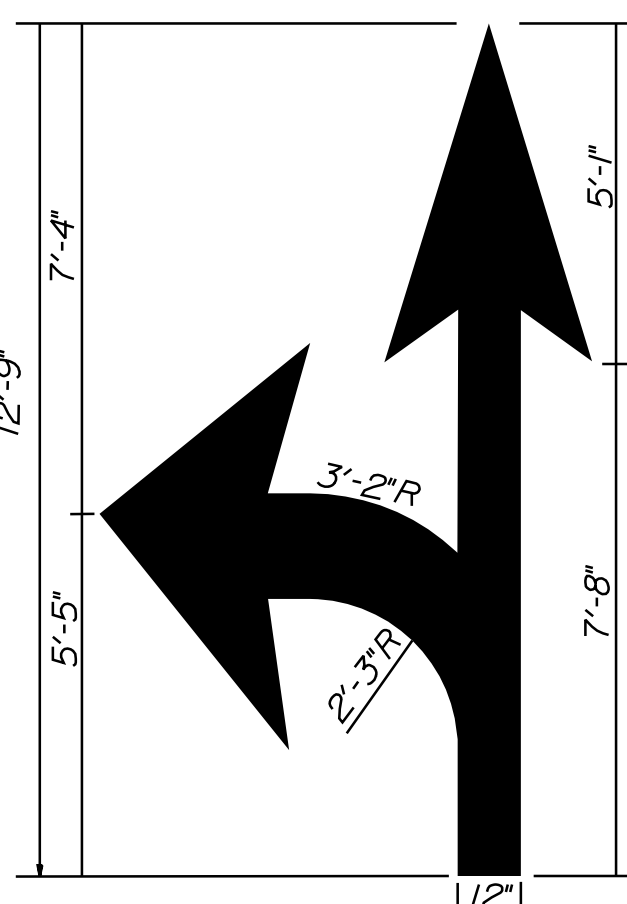
**BICYCLE LANE DIRECTIONAL ARROW**  
PAY QUANTITY 6.0 SF



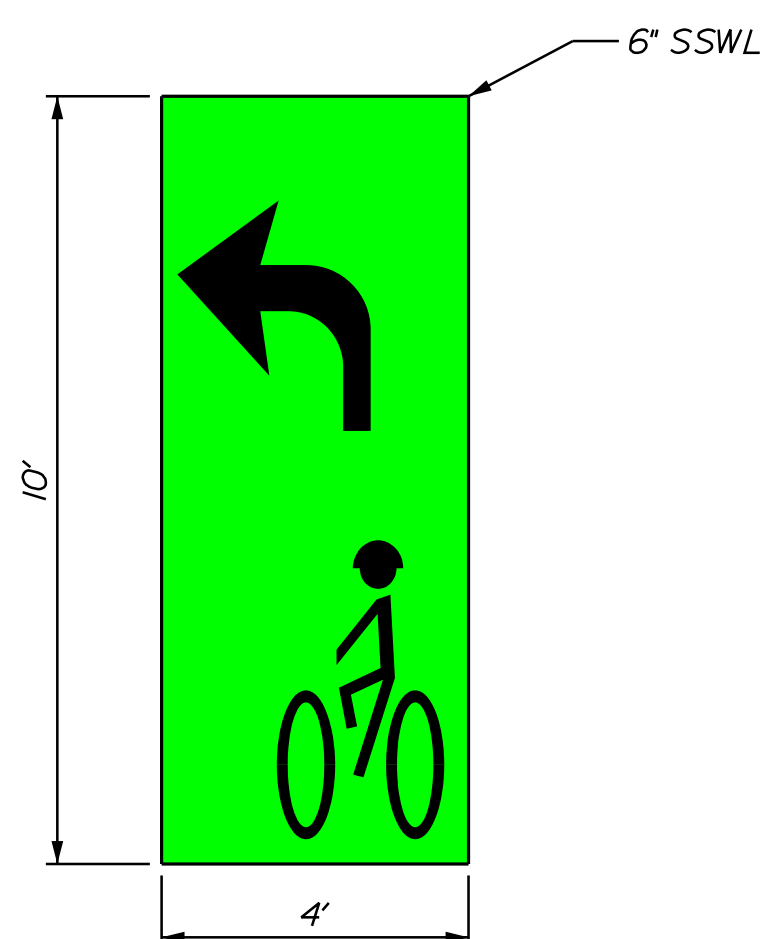
**BICYCLE LANE SYMBOL**  
PAY QUANTITY 8.1 SF



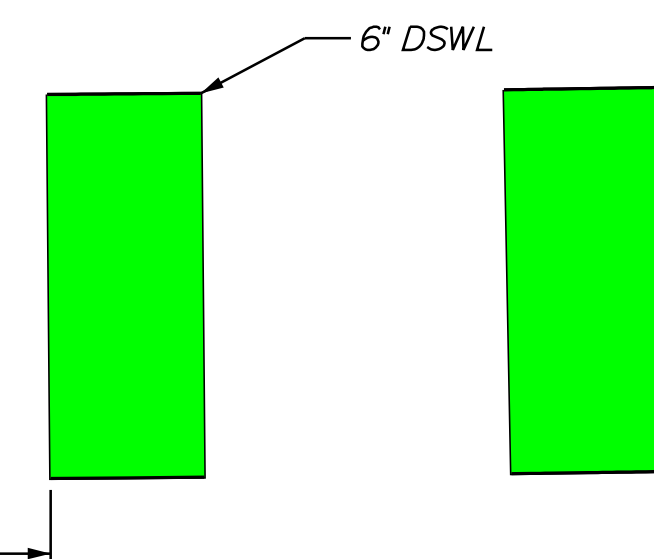
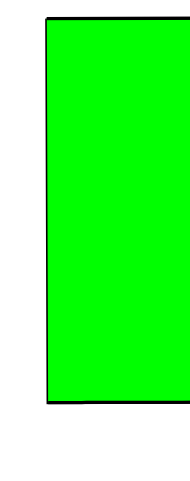
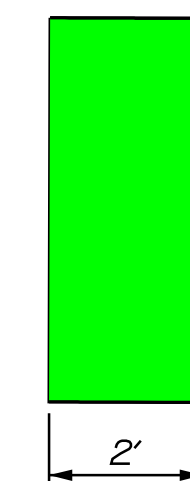
**RAILROAD CROSSING SYMBOL**  
PAY QUANTITY = 63.6 SF (SEE NOTE 3)



**COMBINATION ARROW**  
PAY QUANTITY = 28.8 SF



**BICYCLE TURN BOX DETAIL**  
PAY QUANTITY = 40 SF

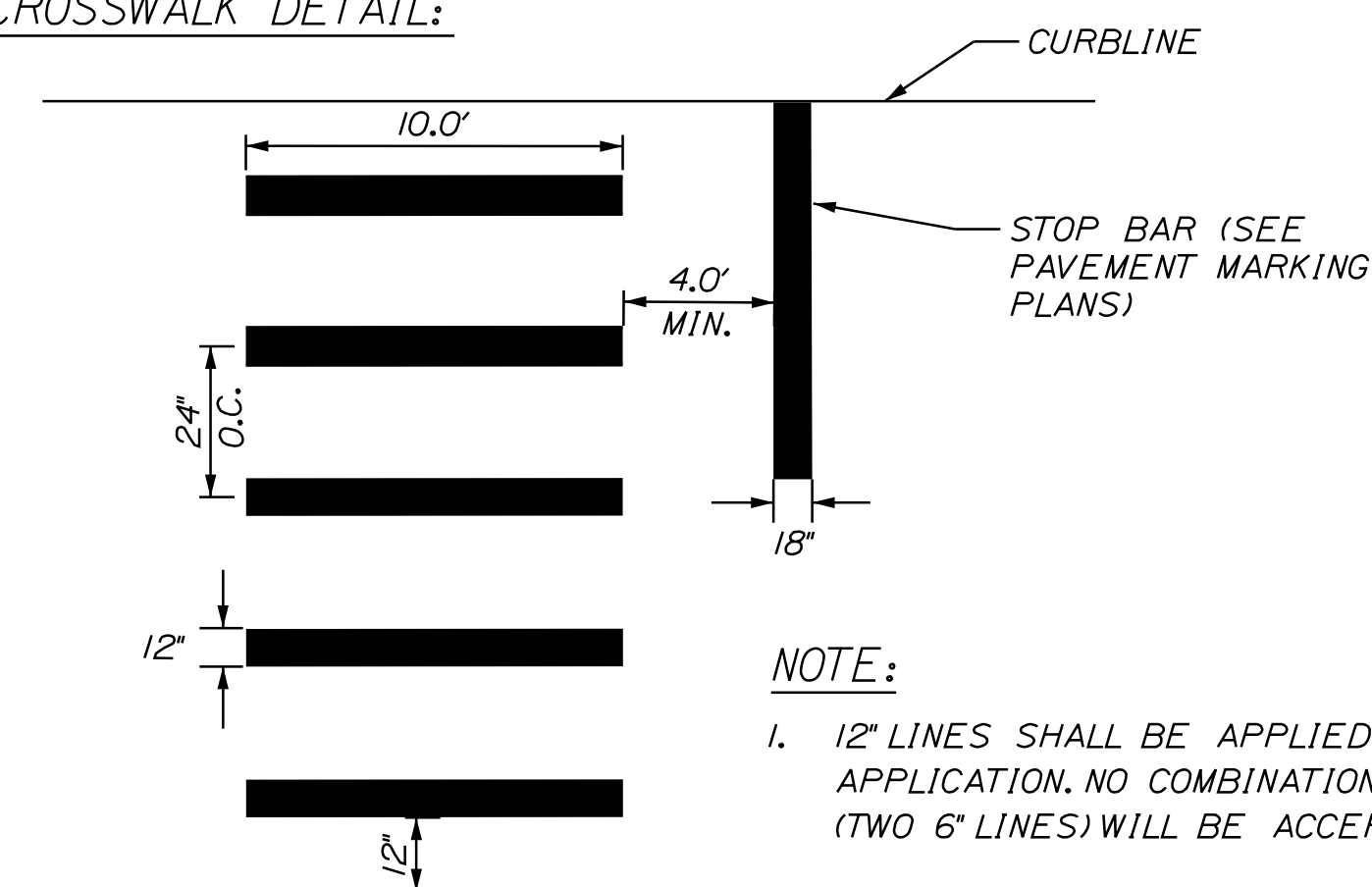


**INTERSECTION BICYCLE LANE STRIPING DETAIL**

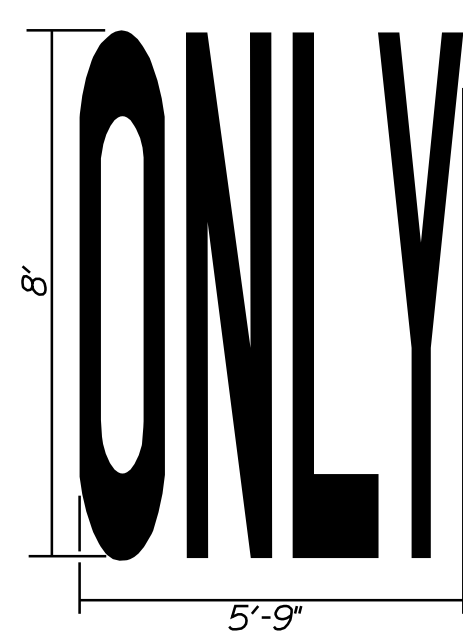
**PAVEMENT MARKING NOTES:**

1. ALL PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE MOST RECENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS AND ALL UPDATES.
2. ALL WORDS AND SYMBOLS SHALL BE RETROREFLECTIVE WHITE AND SHALL CONFORM TO THE LATEST VERSION OF THE MUTCD.
3. THE WORD "ONLY" SHALL NOT BE USED WITH THROUGH OR COMBINATION ARROWS, AND SHALL NOT BE USED ADJACENT TO A BROKEN LANE LINE. A WORD/SYMBOL SHALL PRECEED THE WORD "ONLY".
4. COMBINATION ARROWS MAY BE COMPRISED OF 2 SINGLE ARROWS (e.g. TURN AND THROUGH ARROWS). HOWEVER, THE SHAFTS OF THE ARROWS SHALL COINCIDE AS SHOWN.
5. PREFORMED WORDS AND SYMBOLS SHALL BE PRE-CUT BY THE MANUFACTURER.
6. ALL STOP BARS, WORDS, SYMBOLS AND ARROWS SHALL BE THERMOPLASTIC.

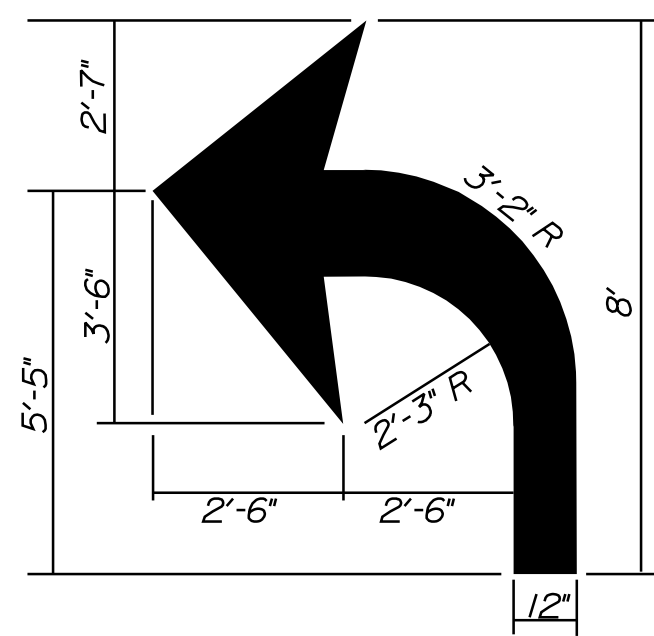
**CROSSWALK DETAIL:**



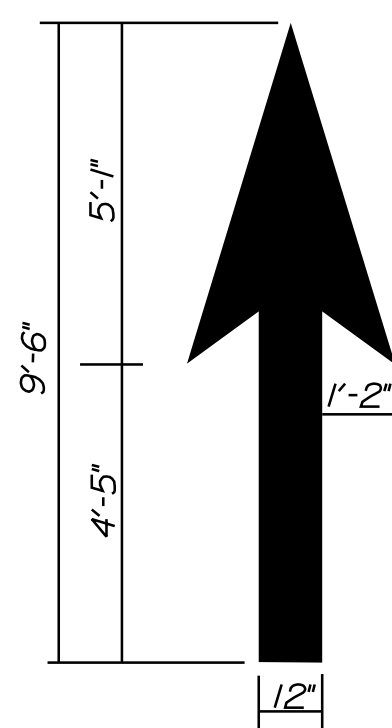
**NOTE:**  
1. 12" LINES SHALL BE APPLIED IN ONE APPLICATION. NO COMBINATION OF LINES (TWO 6" LINES) WILL BE ACCEPTED



**ONLY MARKING**  
PAY QUANTITY = 22.3 SF



**LEFT-TURN ARROW**  
RIGHT-TURN ARROW OPPOSITE IN KIND  
PAY QUANTITY = 17.0 SF



**THROUGH (STRAIGHT) ARROW**  
PAY QUANTITY = 12.5 SF

PLS OR PE  
PROGRESS PRINT

PLS OR PE  
NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 100% PRELIMINARY PLAN SUBMISSION	
1 BRL 04/05/19 100% SUBMISSION	
REV: BY: DATE: STATUS:	

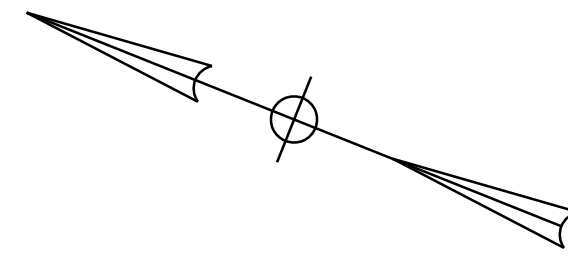
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

PAVEMENT MARKING DETAILS  
OF: MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR: CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

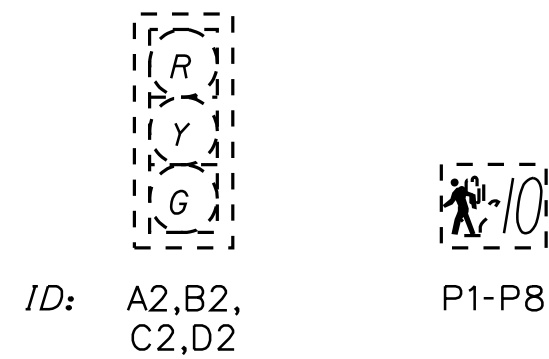
PROJECT NO.	SCALE
17134-01	-

... Pavement Marking Details.dgn



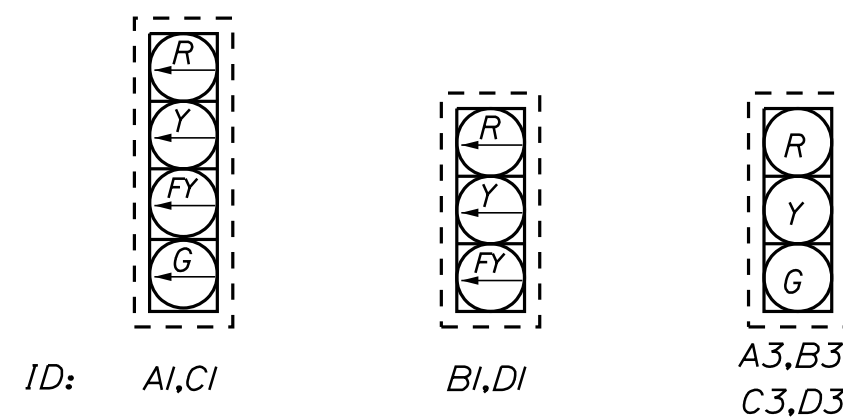
**EXISTING SIGNAL INDICATIONS TO REMAIN**

DISPLAYS:  $\phi 2, \phi 4, \phi 6, \phi 8$



**PROPOSED SIGNAL INDICATIONS**

DISPLAYS:  $\phi 1 (\phi 6)$ ,  $\phi 4, \phi 8$ ,  $\phi 2, \phi 4$ ,  $\phi 5 (\phi 2)$ ,  $\phi 6, \phi 8$

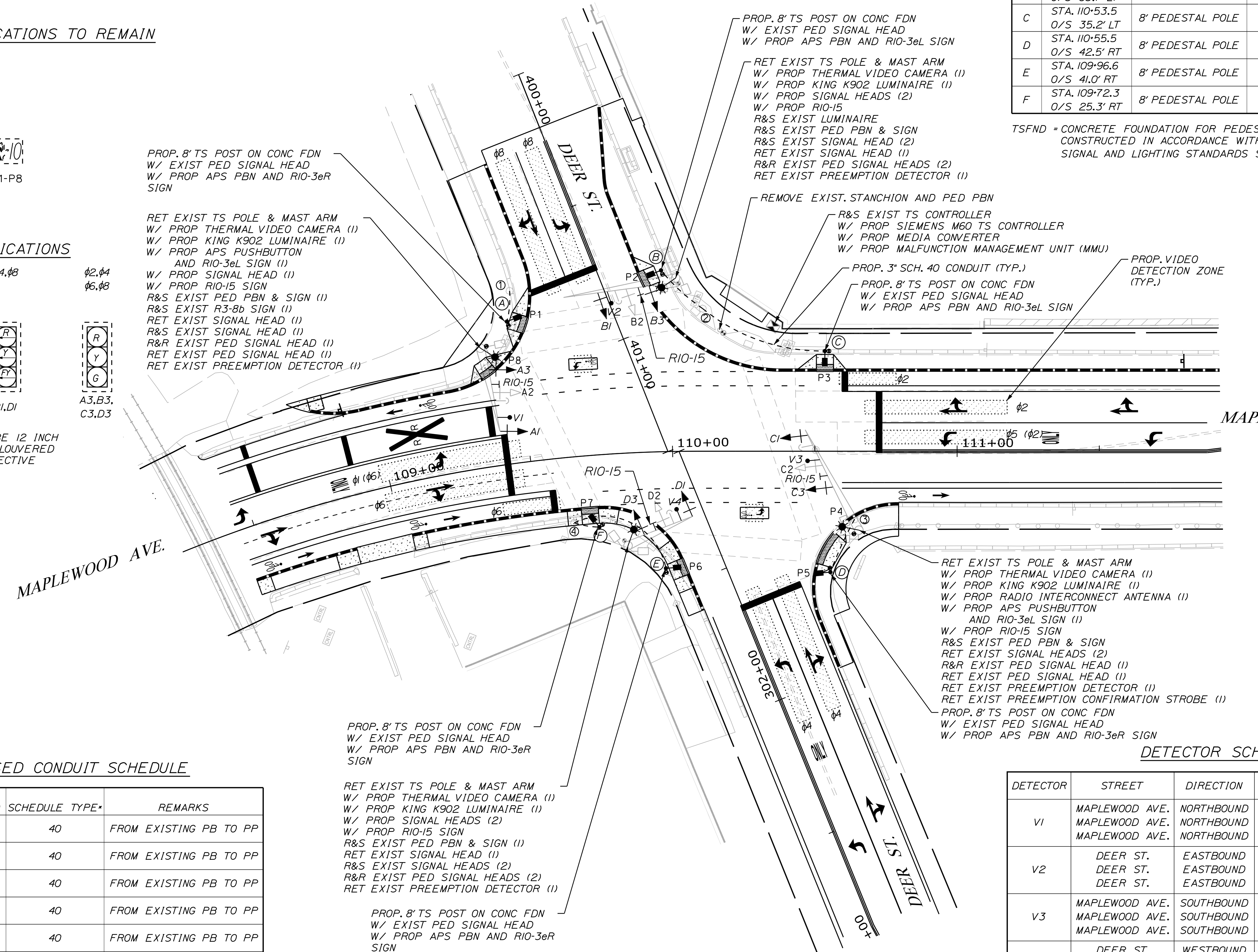


NOTE:  
ALL SIGNAL INDICATIONS SHALL BE 12 INCH WITH LIGHT EMITTING DIODES, 5" LOUVERED BACKPLATES, AND 2" RETRO-REFLECTIVE BORDERS

**PROPOSED FOUNDATION SCHEDULE**

I.D.	LOCATION	DESCRIPTION	FOUNDATION
A	STA. 109+47.9 O/S 49.8' LT	8' PEDESTAL POLE	TSFND
B	STA. 109+97.5 O/S 63.7' LT	8' PEDESTAL POLE	TSFND
C	STA. 110+53.5 O/S 35.2' LT	8' PEDESTAL POLE	TSFND
D	STA. 110+55.5 O/S 42.5' RT	8' PEDESTAL POLE	TSFND
E	STA. 109+96.6 O/S 41.0' RT	8' PEDESTAL POLE	TSFND
F	STA. 109+72.3 O/S 25.3' RT	8' PEDESTAL POLE	TSFND

TSFND = CONCRETE FOUNDATION FOR PEDESTALS CONSTRUCTED IN ACCORDANCE WITH NHDOT SIGNAL AND LIGHTING STANDARDS SL-2



**PROPOSED CONDUIT SCHEDULE**

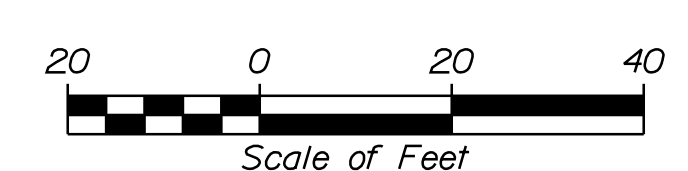
I.D.	NO.	LENGTH (FT.)	SCHEDULE TYPE*	REMARKS
1-A	1	11	40	FROM EXISTING PB TO PP
2-B	1	20	40	FROM EXISTING PB TO PP
2-C	1	47	40	FROM EXISTING PB TO PP
3-D	1	21	40	FROM EXISTING PB TO PP
4-E	1	9	40	FROM EXISTING PB TO PP
4-F	1	37	40	FROM EXISTING PB TO PP
TOTAL		145		

\*3-INCH PVC

RET EXIST TS POLE & MAST ARM  
W/ PROP THERMAL VIDEO CAMERA (1)  
W/ PROP KING K902 LUMINAIRE (1)  
W/ PROP SIGNAL HEADS (2)  
W/ PROP RIO-15 SIGN  
R&S EXIST PED PBN & SIGN (1)  
RET EXIST SIGNAL HEAD (1)  
R&S EXIST SIGNAL HEADS (2)  
R&R EXIST PED SIGNAL HEADS (2)  
RET EXIST PREEMPTION DETECTOR (1)

PROP. 8' TS POST ON CONC FDN  
W/ EXIST PED SIGNAL HEAD  
W/ PROP APS PBN AND RIO-3eR SIGN

**PLAN**



**DETECTOR SCHEDULE**

DETECTOR	STREET	DIRECTION	LANE	CALL PHASE	TYPE
V1	MAPLEWOOD AVE.	NORTHBOUND	BICYCLE	$\phi 2$	VIDEO
	MAPLEWOOD AVE.	NORTHBOUND	THRU-RIGHT	$\phi 2$	VIDEO
	MAPLEWOOD AVE.	NORTHBOUND	LEFT	$\phi 2$	VIDEO
V2	DEER ST.	EASTBOUND	LEFT	$\phi 4$	VIDEO
	DEER ST.	EASTBOUND	THRU-RIGHT	$\phi 4$	VIDEO
	DEER ST.	EASTBOUND	BICYCLE	$\phi 4$	VIDEO
V3	MAPLEWOOD AVE.	SOUTHBOUND	BICYCLE	$\phi 6$	VIDEO
	MAPLEWOOD AVE.	SOUTHBOUND	THRU-RIGHT	$\phi 6$	VIDEO
	MAPLEWOOD AVE.	SOUTHBOUND	LEFT	$\phi 1$	VIDEO
V4	DEER ST.	WESTBOUND	LEFT	$\phi 8$	VIDEO
	DEER ST.	WESTBOUND	THRU-RIGHT	$\phi 8$	VIDEO
	DEER ST.	WESTBOUND	BICYCLE	$\phi 8$	VIDEO

\*NOTE: ALL VIDEO SHALL BE THERMAL AND PROVIDE COUNTING CAPABILITIES

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

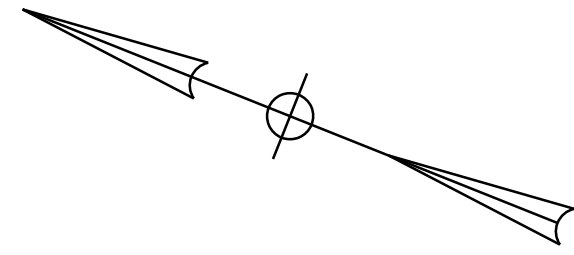
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 100% SUBMISSION	
REV: BY: DATE: STATUS:	

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

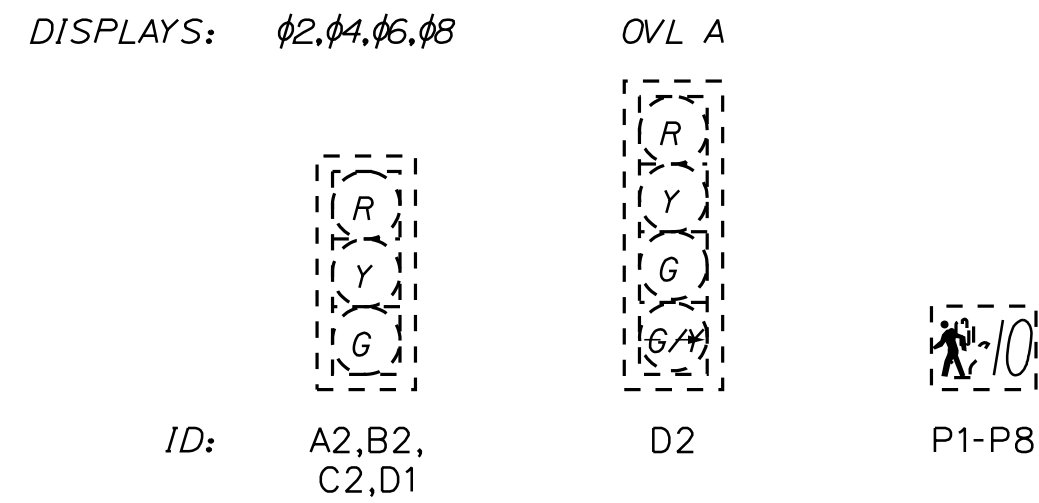
TRAFFIC SIGNAL PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 20'

... \005\_TrafficSignal.dgn

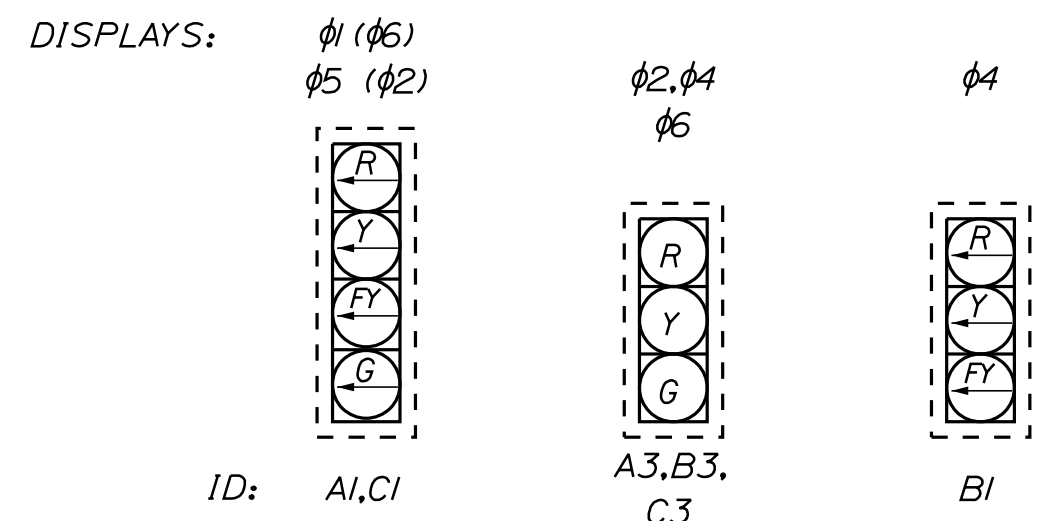


**EXISTING SIGNAL INDICATIONS TO REMAIN**



NOTE:  
OVL A GREEN RIGHT TURN ARROW SHALL BE DISABLED WHEN PHASE B PEDESTRIAN PHASE IS ACTIVE.

**PROPOSED SIGNAL INDICATIONS**

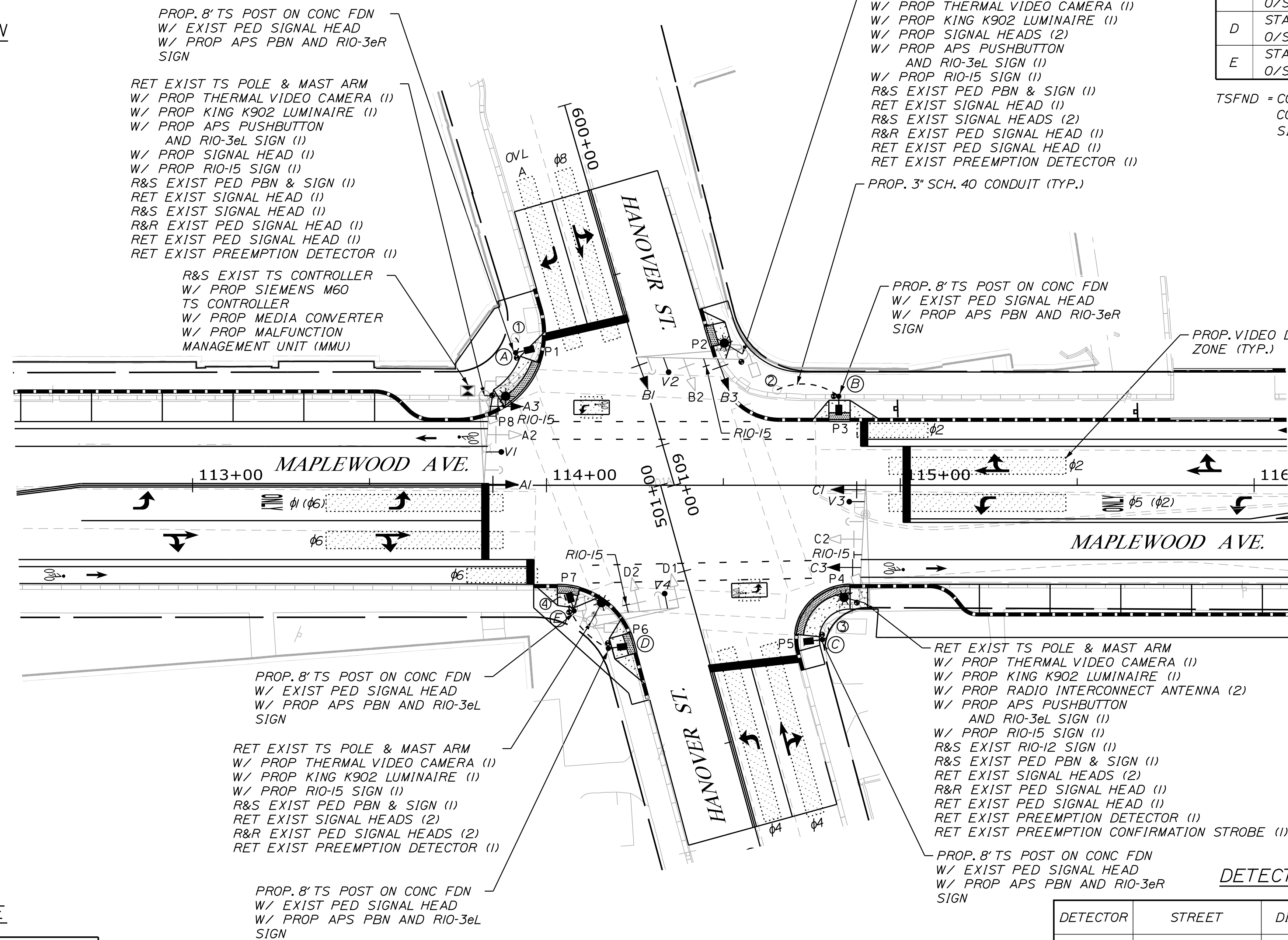


NOTE:  
ALL SIGNAL INDICATIONS SHALL BE 12 INCH WITH LIGHT EMITTING DIODES, 5" LOUVERED BACKPLATES, AND 2" RETRO-REFLECTIVE BORDERS

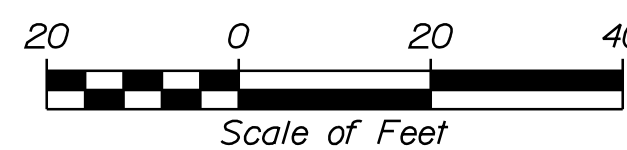
**PROPOSED CONDUIT SCHEDULE**

I.D.	NO.	LENGTH (FT.)	SCHEDULE TYPE*	REMARKS
1-A	1	5	40	FROM EXISTING PB TO PP
2-B	1	18	40	FROM EXISTING PB TO PP
3-C	1	4	40	FROM EXISTING PB TO PP
4-D	1	21	40	FROM EXISTING PB TO PP
4-E	1	6	40	FROM EXISTING PB TO PP
TOTAL		54		

\*3-INCH PVC



**PLAN**



**PROPOSED FOUNDATION SCHEDULE**

I.D.	LOCATION	DESCRIPTION	FOUNDATION
A	STA. 113+91.3 O/S 37.5' LT	8' PEDESTAL POLE	TSFND
B	STA. 114+82.6 O/S 25.2' LT	8' PEDESTAL POLE	TSFND
C	STA. 114+78.0 O/S 43.6' LT	8' PEDESTAL POLE	TSFND
D	STA. 114+17.5 O/S 46.1' RT	8' PEDESTAL POLE	TSFND
E	STA. 114+07.8 O/S 35.5' RT	8' PEDESTAL POLE	TSFND

TSFND \* CONCRETE FOUNDATION FOR PEDESTALS CONSTRUCTED IN ACCORDANCE WITH NHDOT SIGNAL AND LIGHTING STANDARDS SL-2

**DETECTOR SCHEDULE**

DETECTOR	STREET	DIRECTION	LANE	CALL PHASE	TYPE
V1	MAPLEWOOD AVE.	NORTHBOUND	BICYCLE	$\phi 2$	VIDEO
			THRU-RIGHT	$\phi 2$	VIDEO
			LEFT	$\phi 2$	VIDEO
V2	HANOVER ST.	EASTBOUND	LEFT	$\phi 4$	VIDEO
			THRU-RIGHT	$\phi 4$	VIDEO
			BICYCLE	$\phi 4$	VIDEO
V3	MAPLEWOOD AVE.	SOUTHBOUND	BICYCLE	$\phi 6$	VIDEO
			THRU-RIGHT	$\phi 6$	VIDEO
			LEFT	$\phi 1$	VIDEO
V4	HANOVER ST.	WESTBOUND	RIGHT	$\phi 8$	VIDEO
			THRU-LEFT	$\phi 1$	VIDEO
			BICYCLE	$\phi 8$	VIDEO

\*NOTE: ALL VIDEO SHALL BE THERMAL AND PROVIDE COUNTING CAPABILITIES

PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	

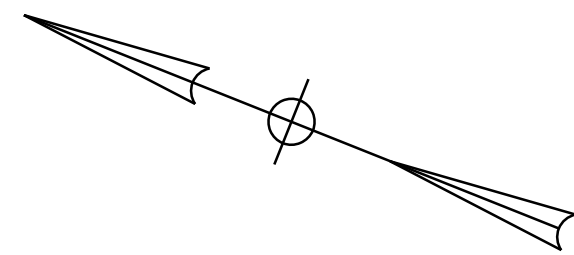
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

TRAFFIC SIGNAL PLAN  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

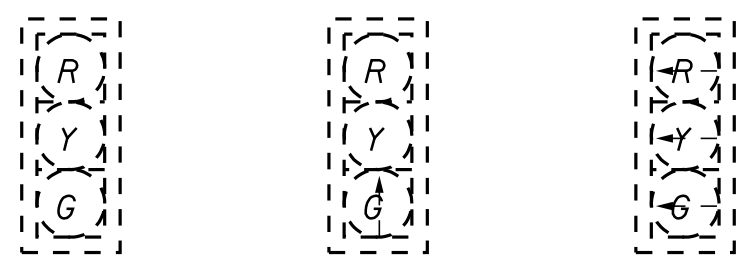
PROJECT NO.	SCALE
17134-01	1" = 20'

... 1006\_TrafficSignal.dgn



**EXISTING SIGNAL INDICATIONS TO REMAIN**

DISPLAYS:  $\phi 2, \phi 3$        $\phi 2, \phi 6$        $\phi 3, \phi 4$



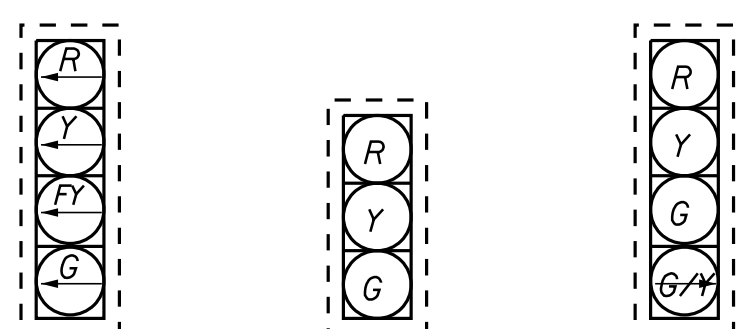
ID: D2, D3      A2, C1      B1, D1



P1-P8

**PROPOSED SIGNAL INDICATIONS**

DISPLAYS:  $\phi 5 (\phi 2)$        $\phi 2, \phi 6$       OVL A



ID: A1      A3, B2, C2      B3

NOTE:  
ALL SIGNAL INDICATIONS SHALL BE 12 INCH WITH LIGHT EMITTING DIODES, 5" LOUVERED BACKPLATES, AND 2" RETRO-REFLECTIVE BORDERS

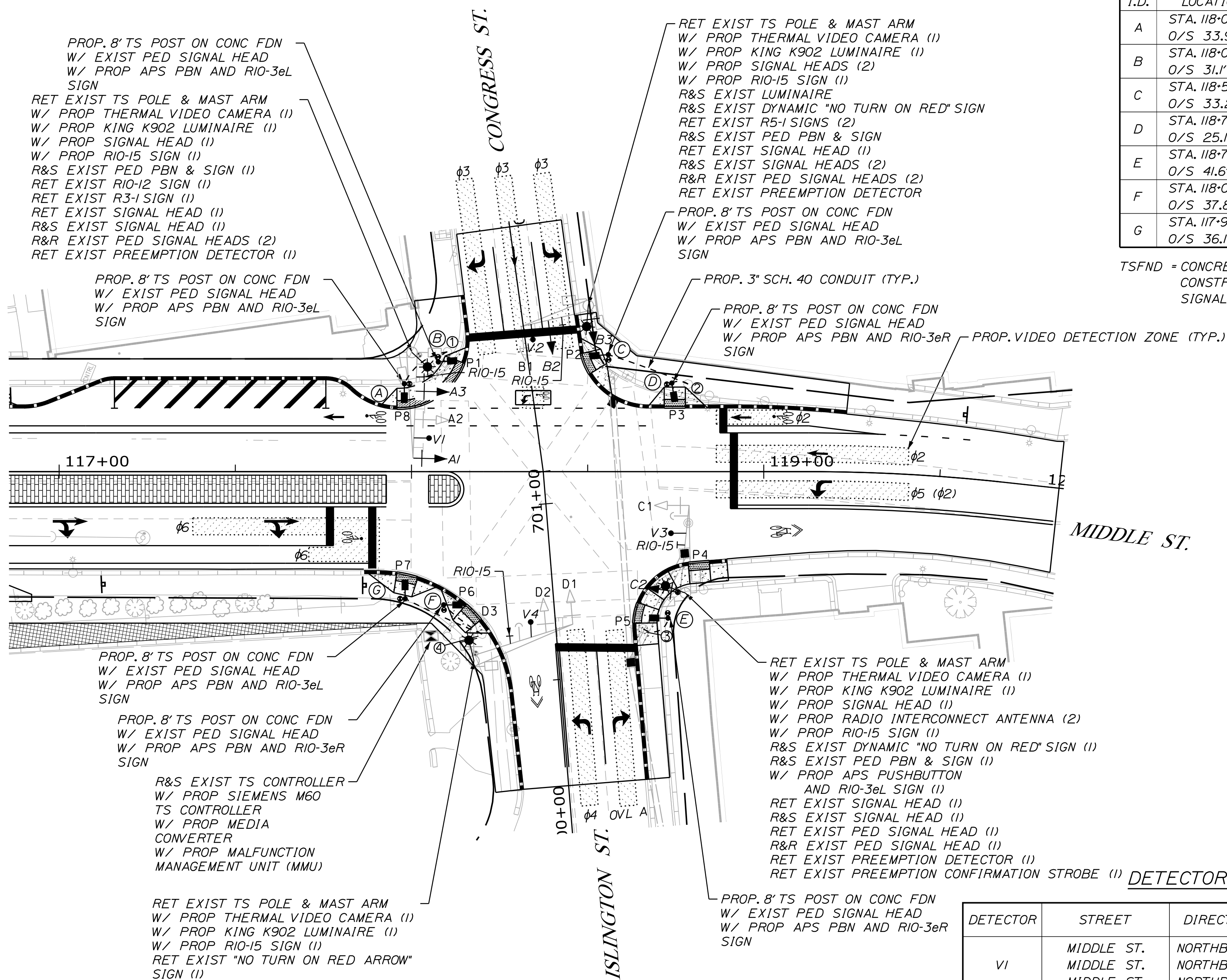
OVL A GREEN RIGHT TURN ARROW SHALL BE DISABLED WHEN PHASE 4 PEDESTRIAN PHASE IS ACTIVE.

MAPLEWOOD AVE.

**PROPOSED CONDUIT SCHEDULE**

I.D.	NO.	LENGTH (FT.)	SCHEDULE TYPE*	REMARKS
I-A	1	16	40	FROM EXISTING PB TO PP
I-B	1	4	40	FROM EXISTING PB TO PP
2-C	1	24	40	FROM EXISTING PB TO PP
2-D	1	5	40	FROM EXISTING PB TO PP
3-E	1	8	40	FROM EXISTING PB TO PP
4-F	1	14	40	FROM EXISTING PB TO PP
4-G	1	25	40	FROM EXISTING PB TO PP
TOTAL		96		

\*3-INCH PVC



PLAN



Scale of Feet

**PROPOSED FOUNDATION SCHEDULE**

I.D.	LOCATION	DESCRIPTION	FOUNDATION
A	STA. 118+00.2 0/S 33.9' LT	8' PEDESTAL POLE	TSFND
B	STA. 118+07.6 0/S 31.1' LT	8' PEDESTAL POLE	TSFND
C	STA. 118+55.9 0/S 33.2' LT	8' PEDESTAL POLE	TSFND
D	STA. 118+73.9 0/S 25.1' RT	8' PEDESTAL POLE	TSFND
E	STA. 118+72.8 0/S 41.6' RT	8' PEDESTAL POLE	TSFND
F	STA. 118+09.1 0/S 37.8' RT	8' PEDESTAL POLE	TSFND
G	STA. 117+98.2 0/S 36.1' RT	8' PEDESTAL POLE	TSFND

TSFND = CONCRETE FOUNDATION FOR PEDESTALS CONSTRUCTED IN ACCORDANCE WITH NHDOT SIGNAL AND LIGHTING STANDARDS SL-2

**DETECTOR SCHEDULE**

DETECTOR	STREET	DIRECTION	LANE	CALL PHASE	TYPE
V1	MIDDLE ST.	NORTHBOUND	BICYCLE	$\phi 2$	VIDEO
	MIDDLE ST.	NORTHBOUND	THRU	$\phi 2$	VIDEO
	MIDDLE ST.	NORTHBOUND	LEFT	$\phi 2$	VIDEO
V2	ISLINGTON ST.	EASTBOUND	LEFT	$\phi 7$	VIDEO
	ISLINGTON ST.	EASTBOUND	RIGHT	$\phi 4$	VIDEO
V2	MAPLEWOOD AVE.	SOUTHBOUND	BICYCLE	$\phi 6$	VIDEO
	MAPLEWOOD AVE.	SOUTHBOUND	THRU-RIGHT	$\phi 6$	VIDEO
V4	CONGRESS ST.	WESTBOUND	LEFT	$\phi 3$	VIDEO
	CONGRESS ST.	WESTBOUND	THRU	$\phi 8$	VIDEO
	CONGRESS ST.	WESTBOUND	RIGHT	$\phi 8$	VIDEO
	CONGRESS ST.	WESTBOUND	BICYCLE	$\phi 8$	VIDEO

\*NOTE: ALL VIDEO SHALL BE THERMAL AND PROVIDE COUNTING CAPABILITIES

PLS OR PE

PROGRESS PRINT

NOT FOR CONSTRUCTION

DESIGNED: BRL      CHECKED: SSS

REV.	BY	DATE	STATUS
1	BRL	05/31/19	FINAL PRELIMINARY PLANS
1	BRL	04/05/19	BOX SUBMISSION

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNIQS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNIQS, INC.

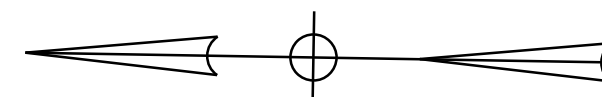
**SEBAGO**  
TECHNIQS  
WWW.SEBAGOTECHNIQS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

TRAFFIC SIGNAL PLAN  
OF: MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR: CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO. 17134-01      SCALE 1" = 20'

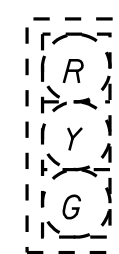
SHEET 30 OF 86

... 007\_TrafficSignal.dgn



EXISTING SIGNAL INDICATIONS TO REMAIN

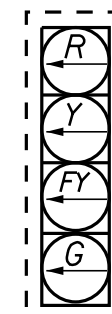
DISPLAYS:  $\phi 2, \phi 4, \phi 6$



ID: A1, A2, A3  
B1, B2, C2  
C3

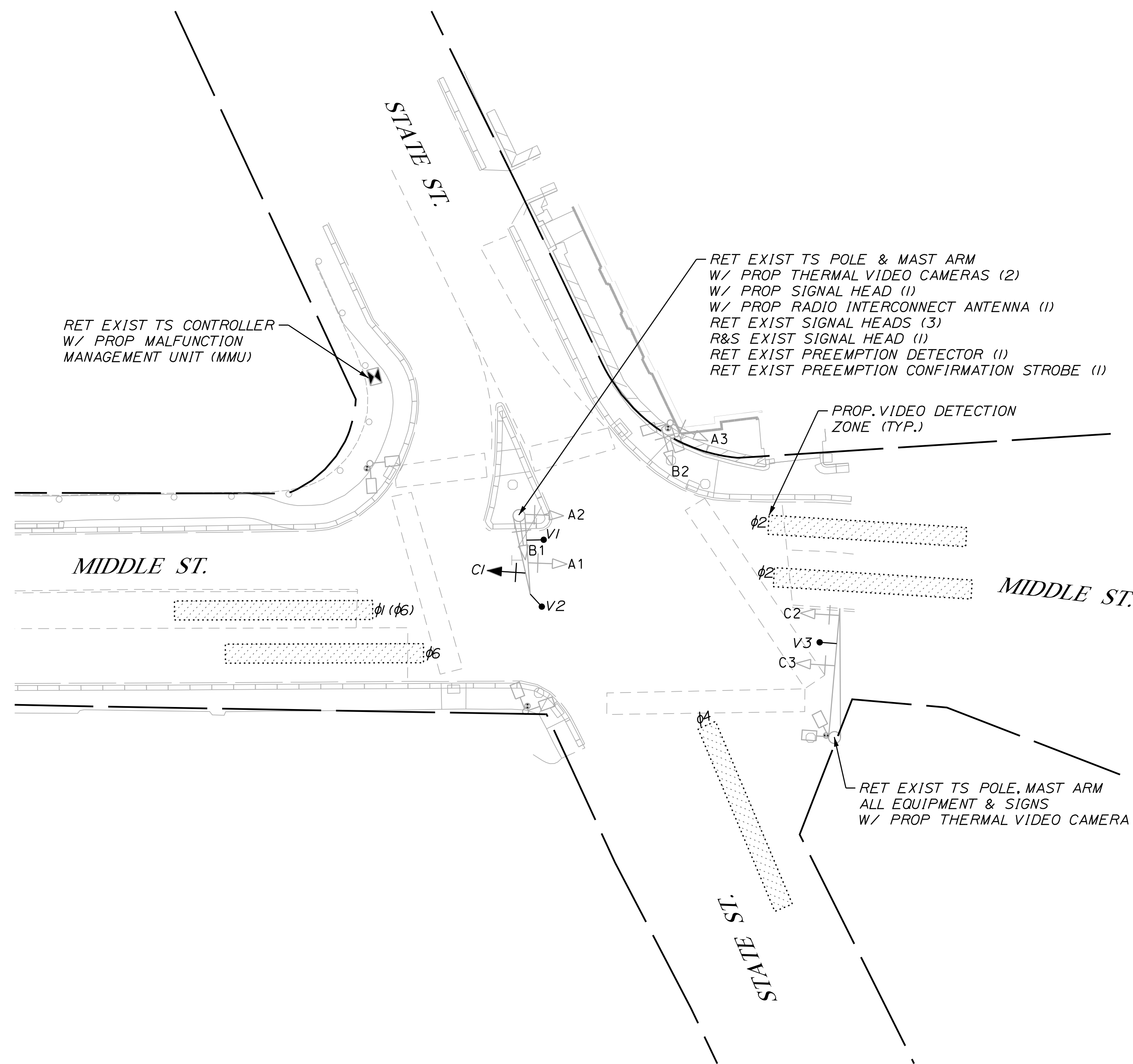
PROPOSED SIGNAL INDICATIONS

DISPLAYS:  $\phi 1 (\phi 6)$



ID: C1

NOTE:  
ALL SIGNAL INDICATIONS SHALL BE 12 INCH WITH LIGHT EMITTING DIODES, 5" LOUVERED BACKPLATES, AND 2" RETRO-REFLECTIVE BORDERS

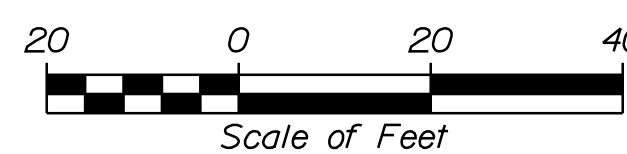


DETECTOR SCHEDULE

DETECTOR	STREET	DIRECTION	LANE	CALL PHASE	TYPE
V1	MIDDLE ST. MIDDLE ST.	NORTHBOUND NORTHBOUND	RIGHT THRU-LEFT	$\phi 2$ $\phi 2$	VIDEO VIDEO
V2	STATE ST.	EASTBOUND	LEFT-THRU-RIGHT	$\phi 4$	VIDEO
V3	MAPLEWOOD AVE. MAPLEWOOD AVE.	SOUTHBOUND SOUTHBOUND	LEFT THRU-RIGHT	$\phi 6$ $\phi 6$	VIDEO VIDEO

\*NOTE: ALL VIDEO SHALL BE THERMAL AND PROVIDE COUNTING CAPABILITIES

PLAN



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY: DATE: STATUS:	

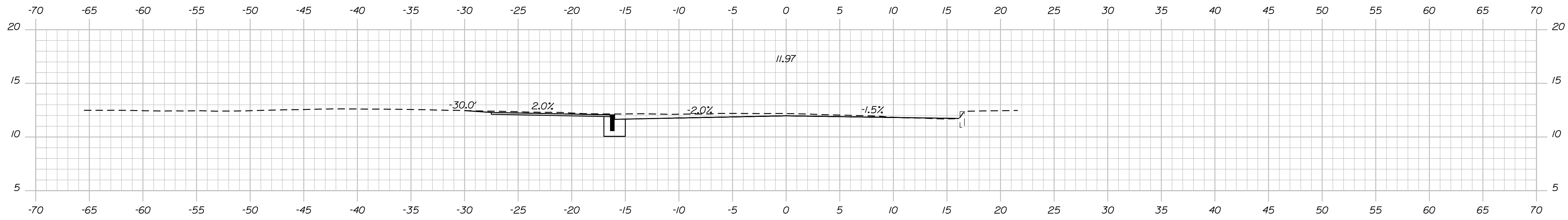
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

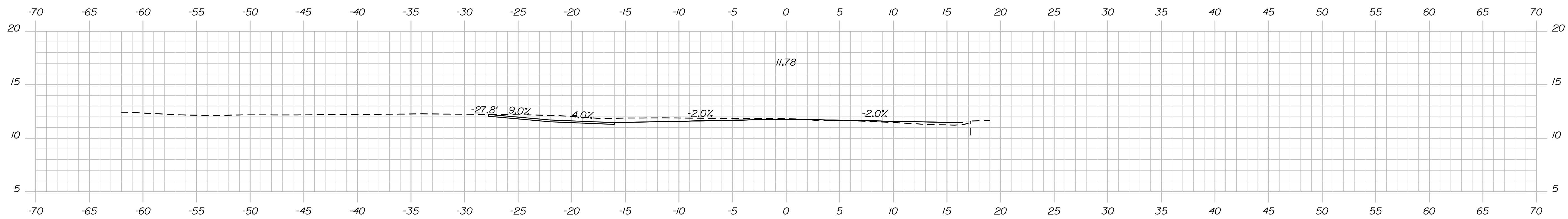
TRAFFIC SIGNAL PLAN  
OF: MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR: CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	1" = 20'

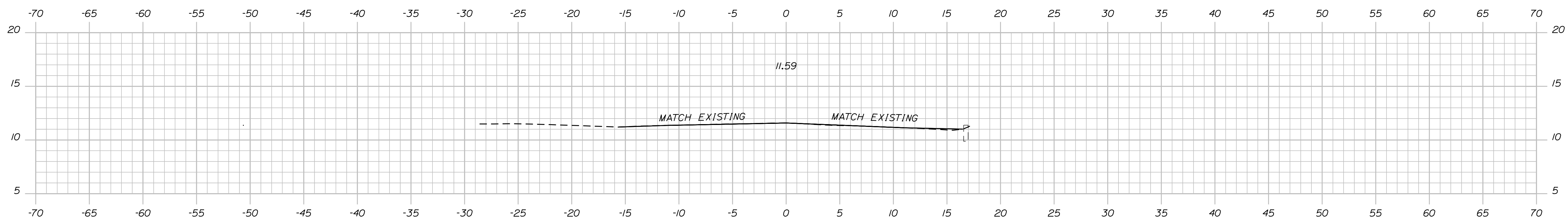
SHEET 31 OF 86



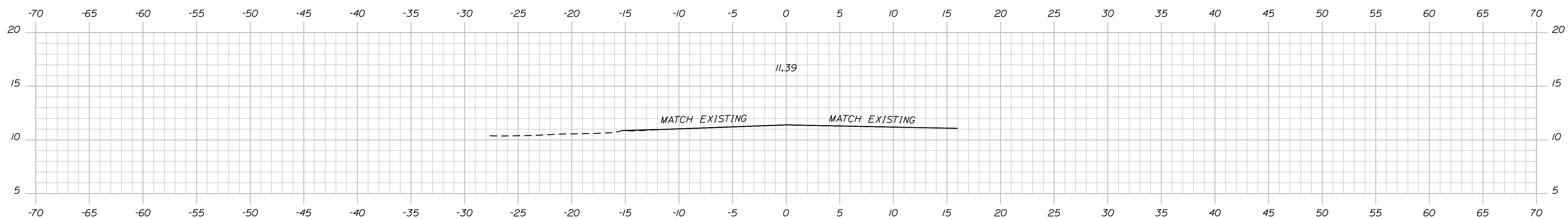
101+00.00



100+75.00 (DRIVEWAY LT)



100+50.00



100+25.00 (MATCH EXISTING, LIMITS OF WORK)

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

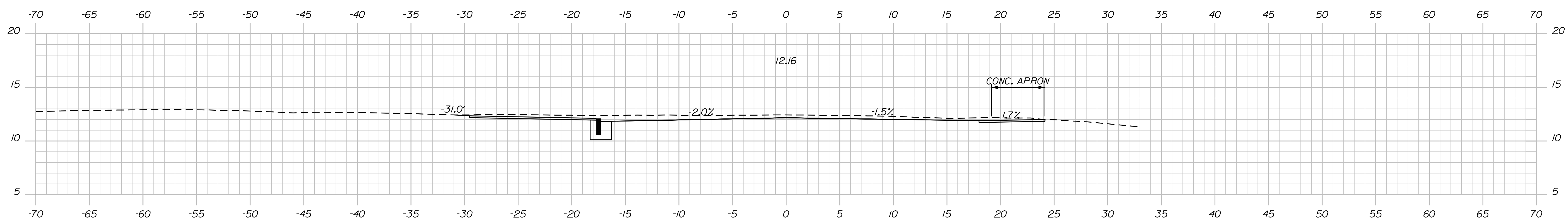
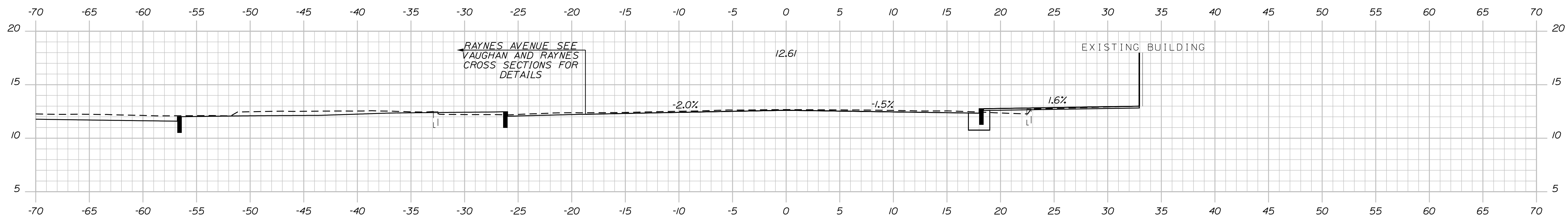
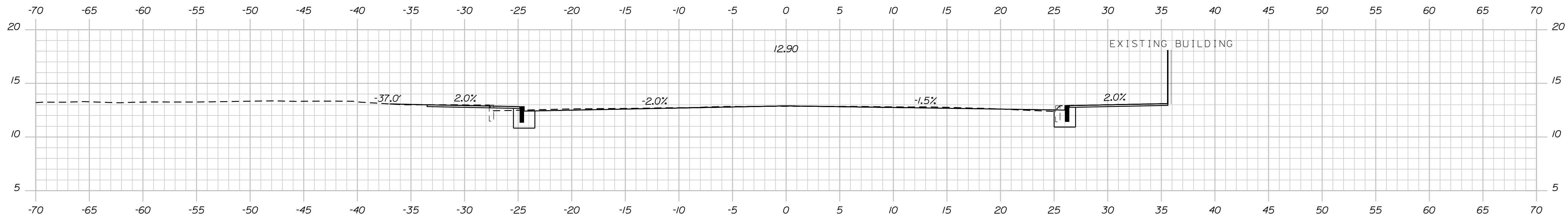
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 32 OF 86

...MSTASHEET5\Cross Sections.dgn





PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

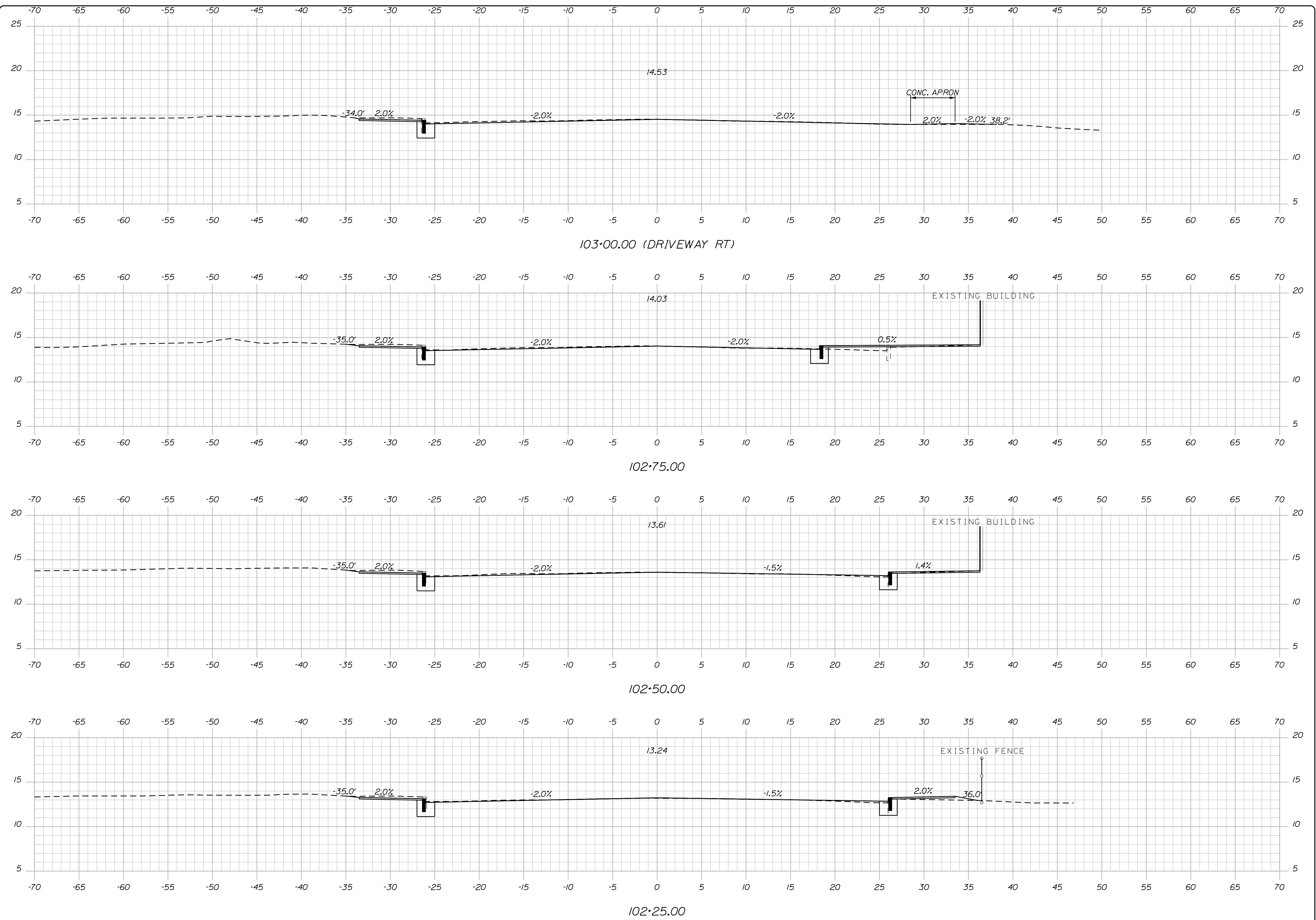
DESIGNED	CHECKED
BRL	SSS
2	BRL 05/31/19
1	BRL 04/05/19
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 33 OF 86



PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY: DATE: STATUS:	
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNIQS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNIQS, INC.</small>	

**SEBAGO**  
TECHNIQS

WWW.SEBAGOTECHNIQS.COM

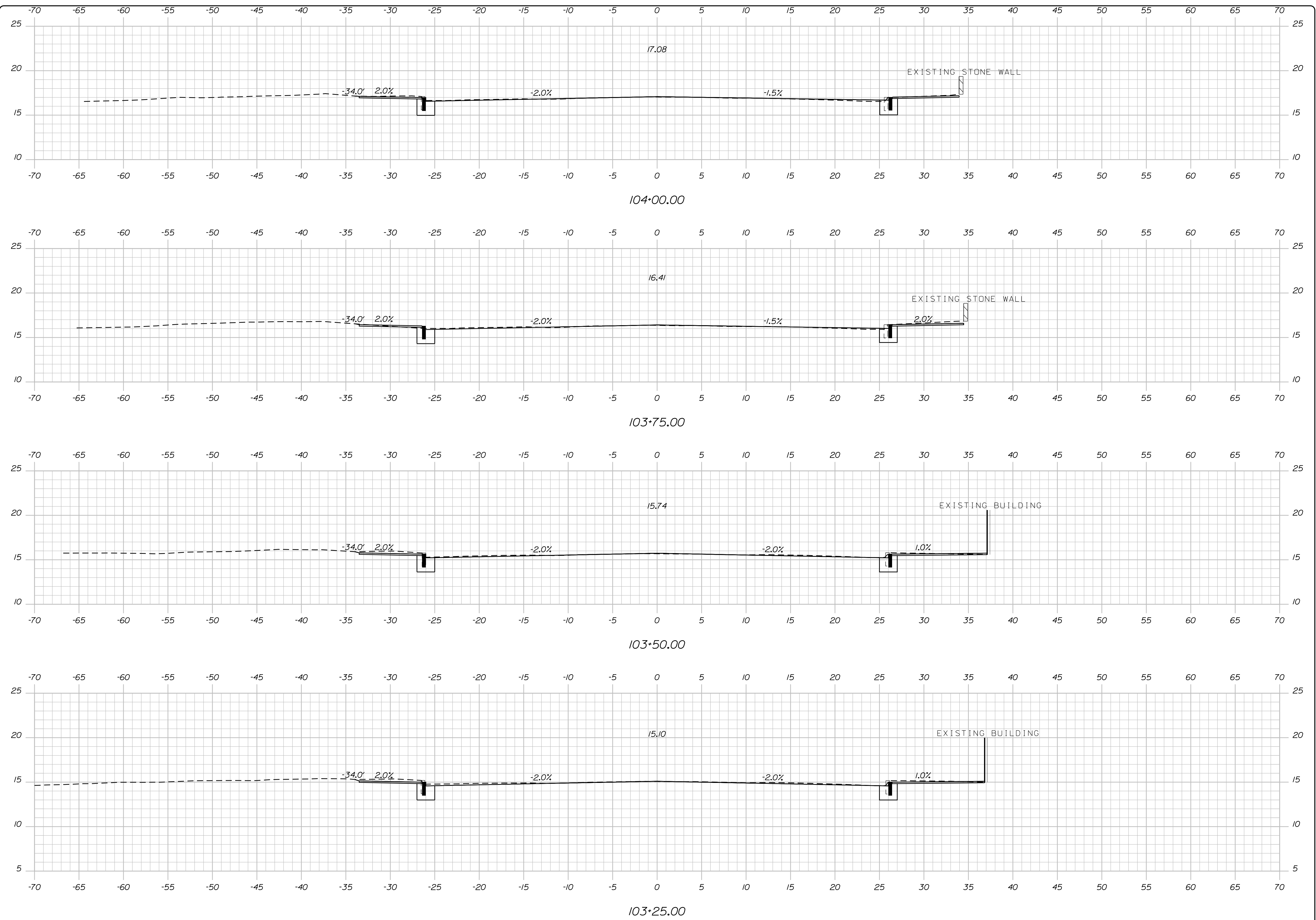
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 34 OF 86

...MSTASHEET\cross Sections.dgn



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

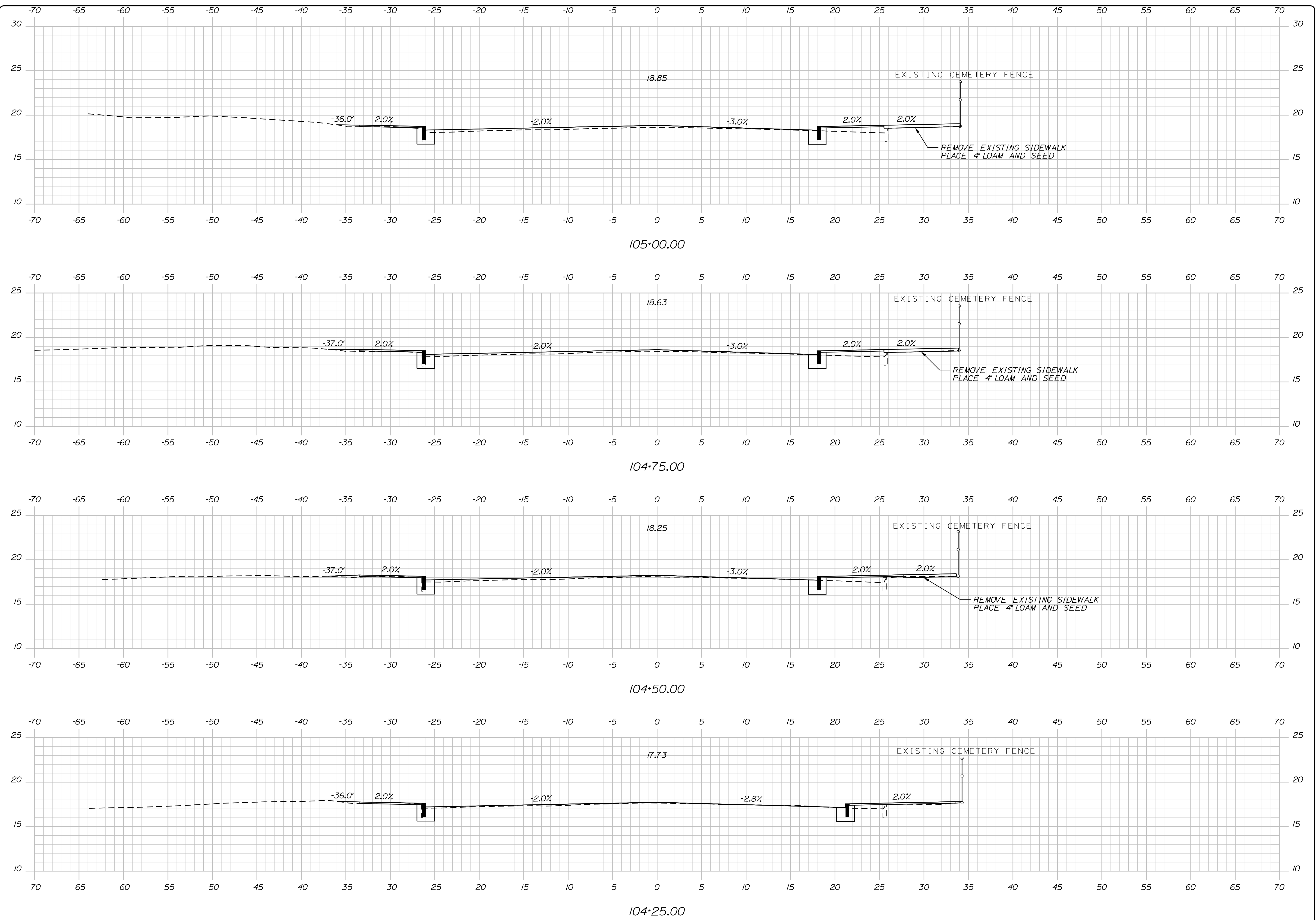
**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO. 17134-01  
SCALE -

SHEET 35 OF 86

... \MSTASHEETS\Cross Sections.dgn



PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
TECHNICS

WWW.SEAGOTECHNICS.COM

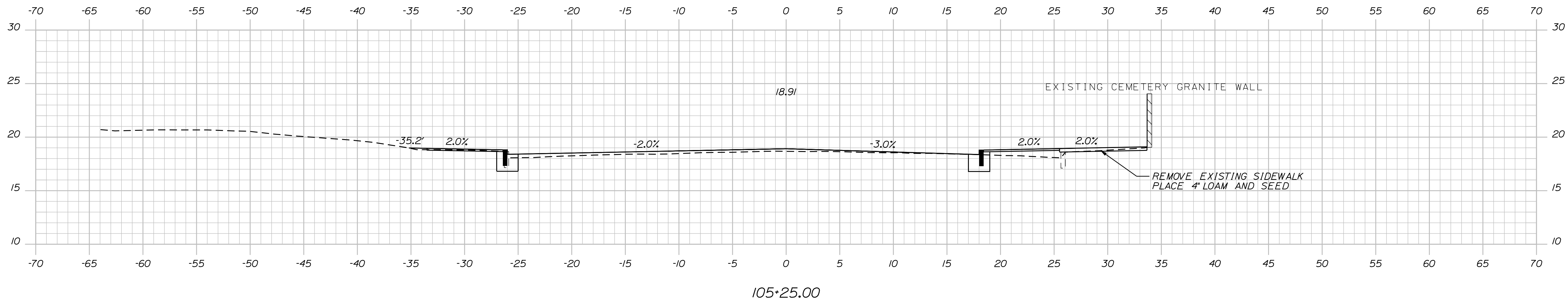
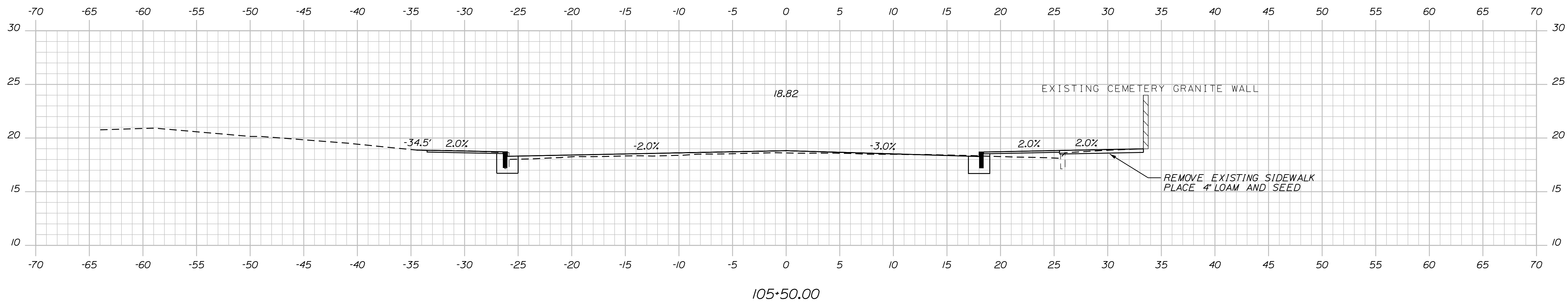
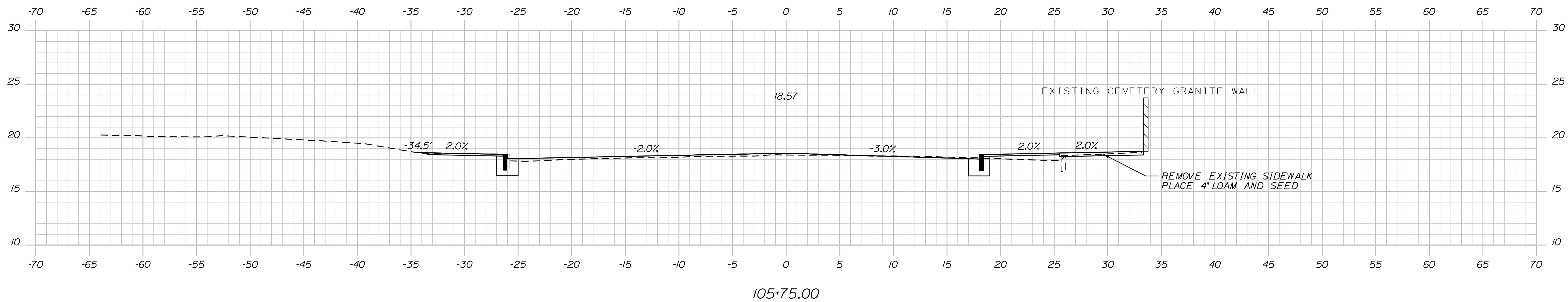
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 36 OF 86

...MSTASHEET\36\_Cross Sections.dgn



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

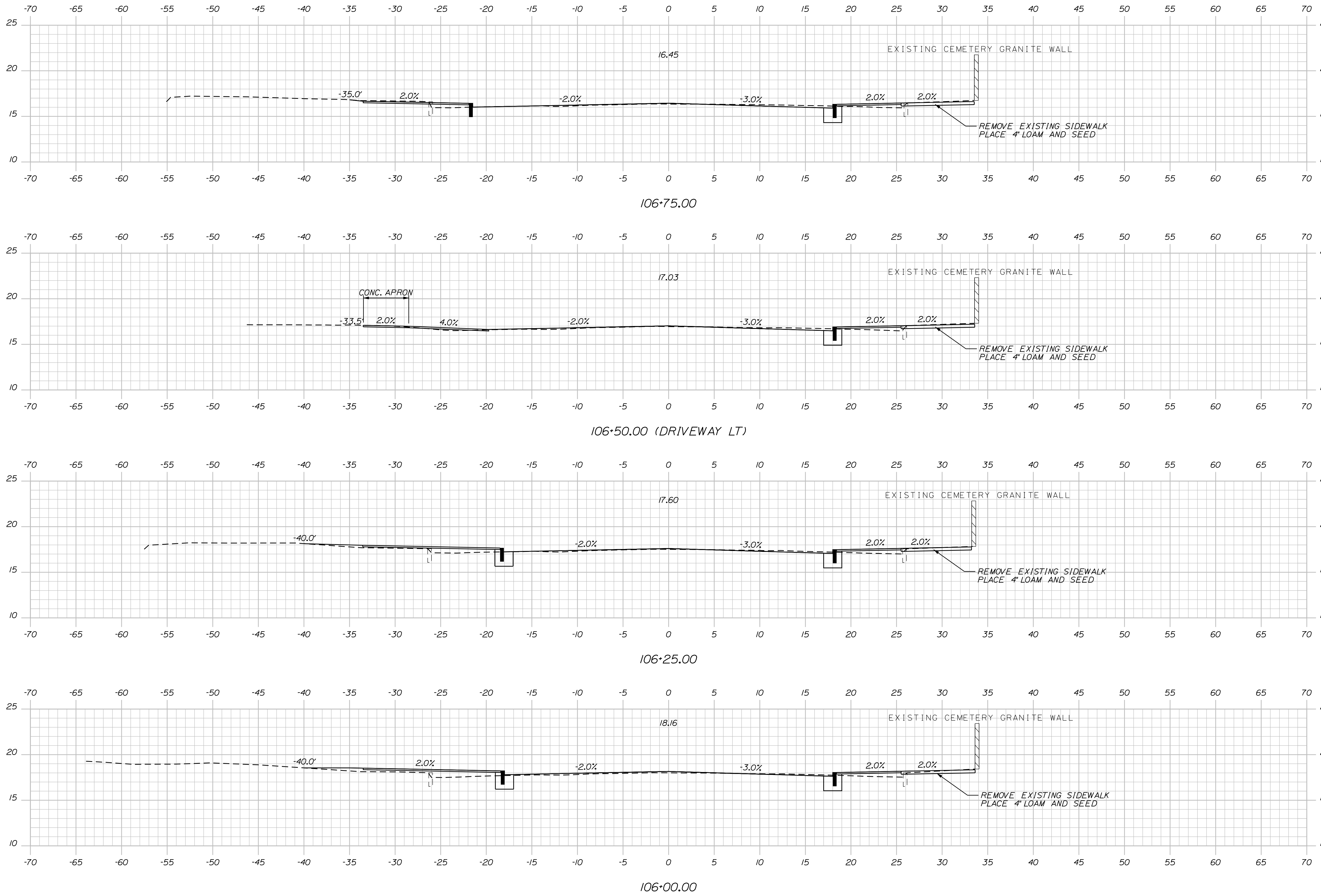
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNIQS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNIQS, INC.</small>	

**SEBAGO**  
TECHNIQS  
WWW.SEBAGOTECHNIQS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 37 OF 86



PLS OR PE  
 PROGRESS  
 PRINT

PLS OR PE  
 NOT FOR  
 CONSTRUCTION

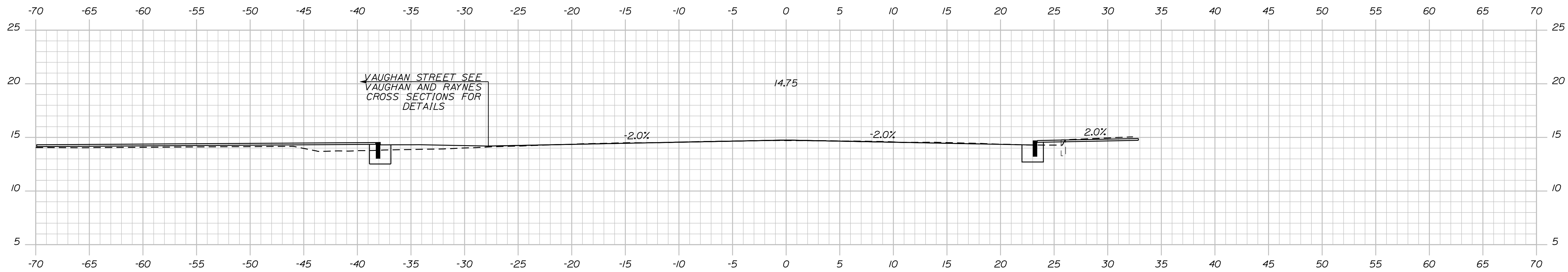
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
 TECHNICS  
 WWW.SEAGOTECHNICS.COM  
 75 John Roberts Rd.  
 Suite 4A  
 South Portland, ME 04106  
 Tel. 207-200-2100

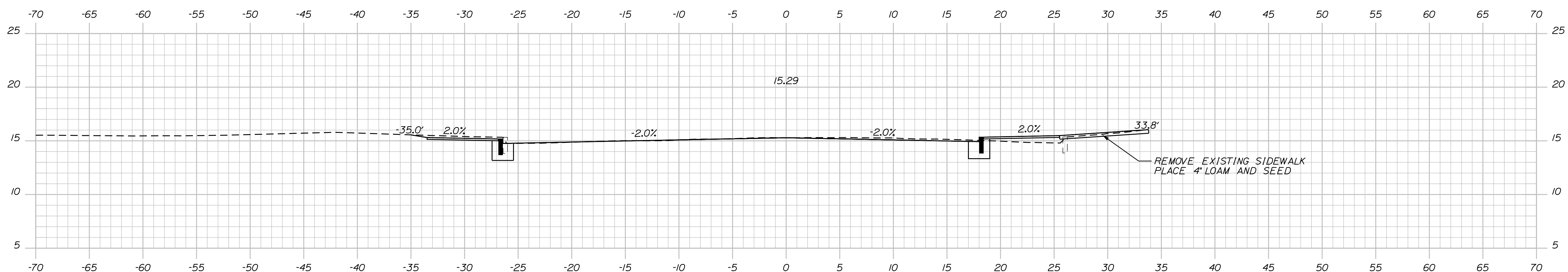
CROSS SECTIONS  
 OF:  
 MAPLEWOOD AVENUE  
 CORRIDOR IMPROVEMENTS  
 FOR:  
 CITY OF PORTSMOUTH  
 1 JUNKINS AVE.  
 PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

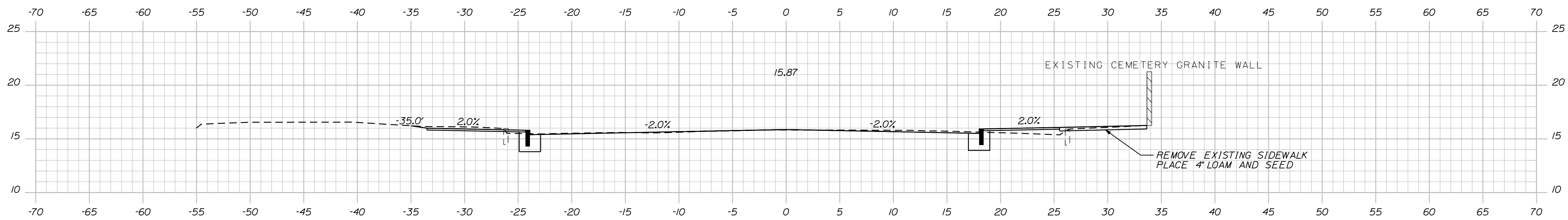
SHEET 38 OF 86



107+50.00 (VAUGHAN ST. LT)



107+25.00



107+00.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

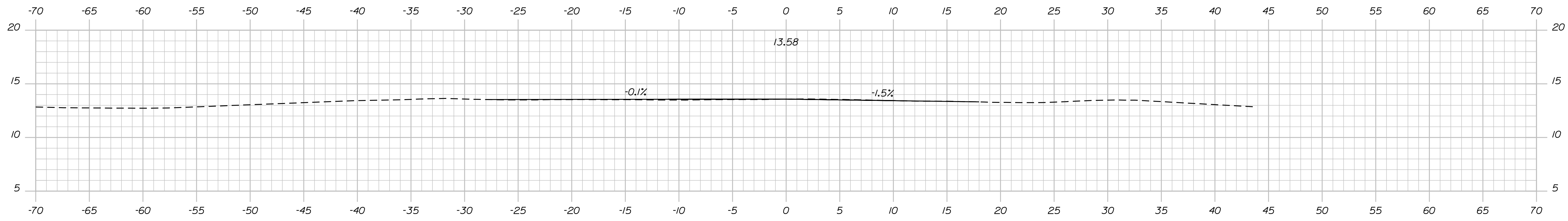
**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

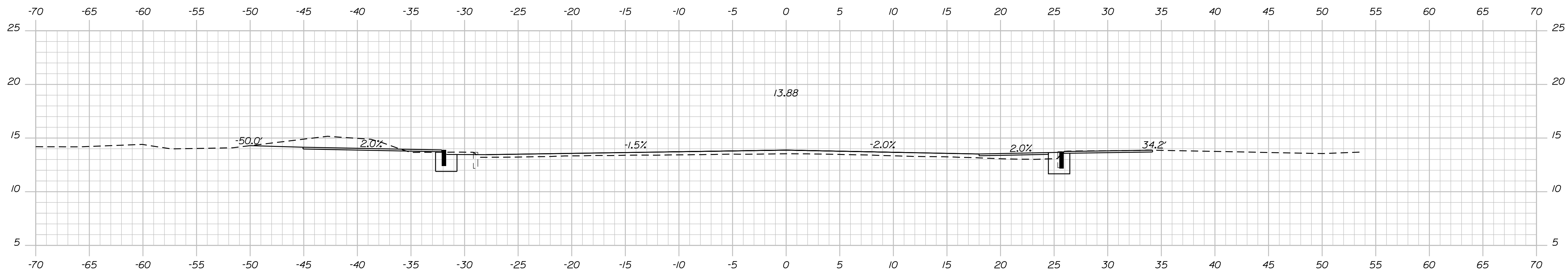
PROJECT NO.	SCALE
17134-01	-

SHEET 39 OF 86

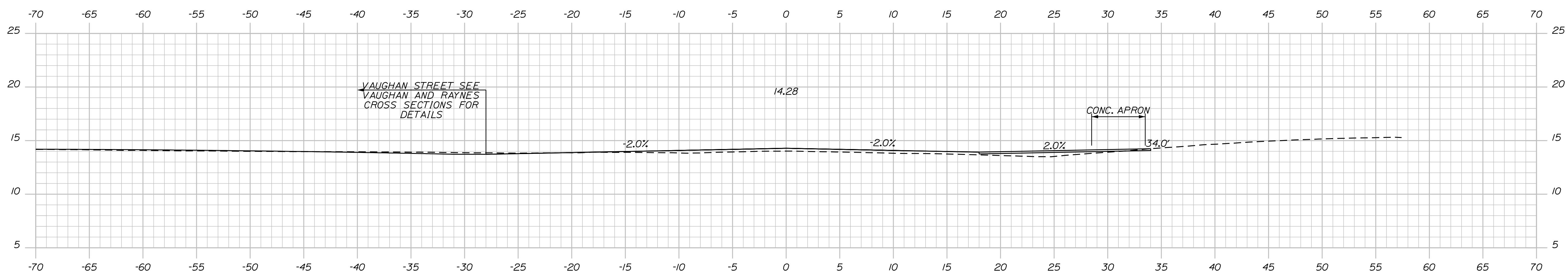
...MSTASHEETS\Cross Sections.dgn



108+22.00 (MATCH EXISTING 10' PRIOR TO RR TRACKS)



108+00.00 (DRIVEWAY RT)



107+75.00 (VAUGHAN ST. LT, DRIVEWAY RT)

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

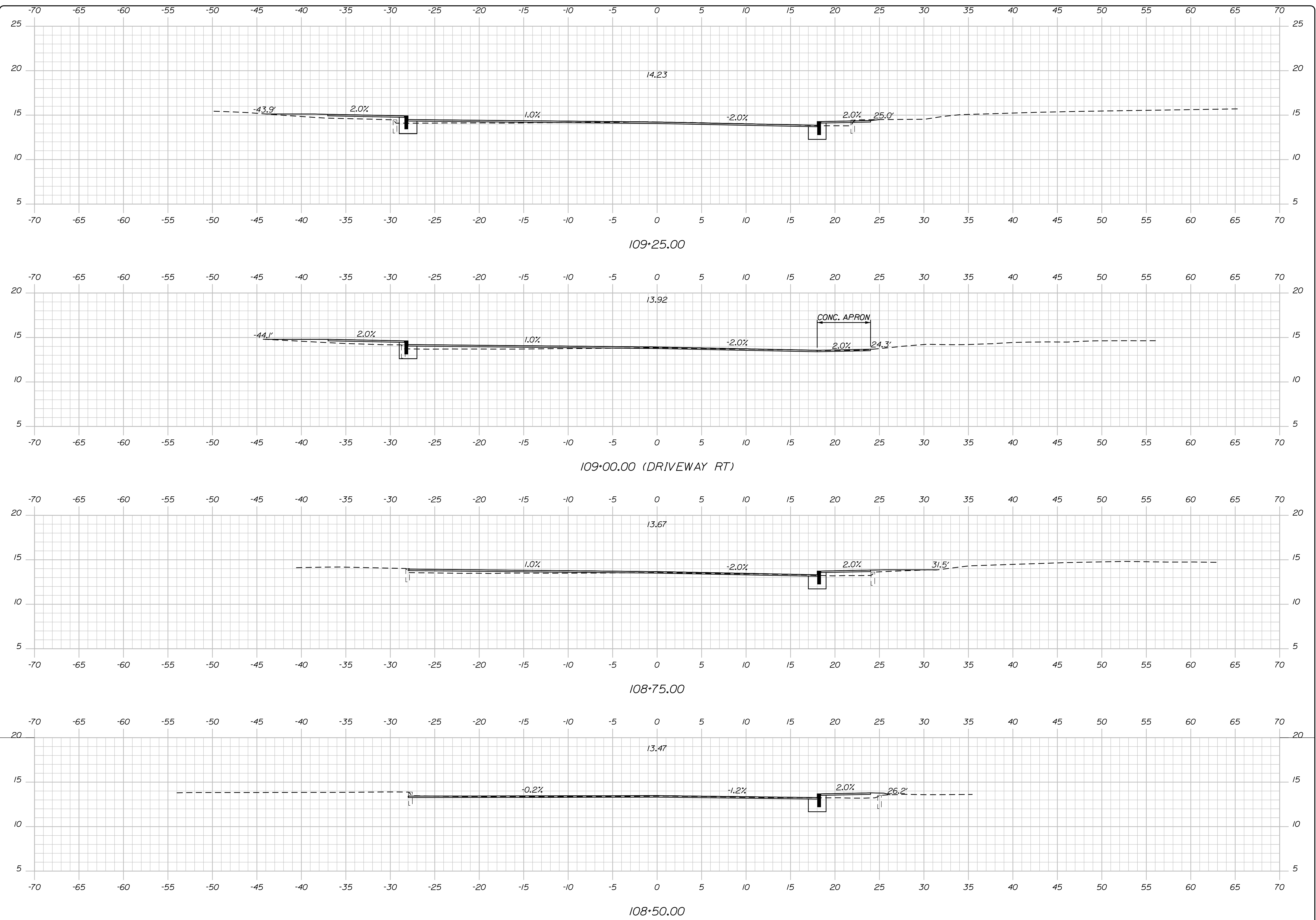
**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 40 OF 86





PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19	FINAL PRELIMINARY PLANS
1 BRL 04/05/19	BDX SUBMISSION
REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS

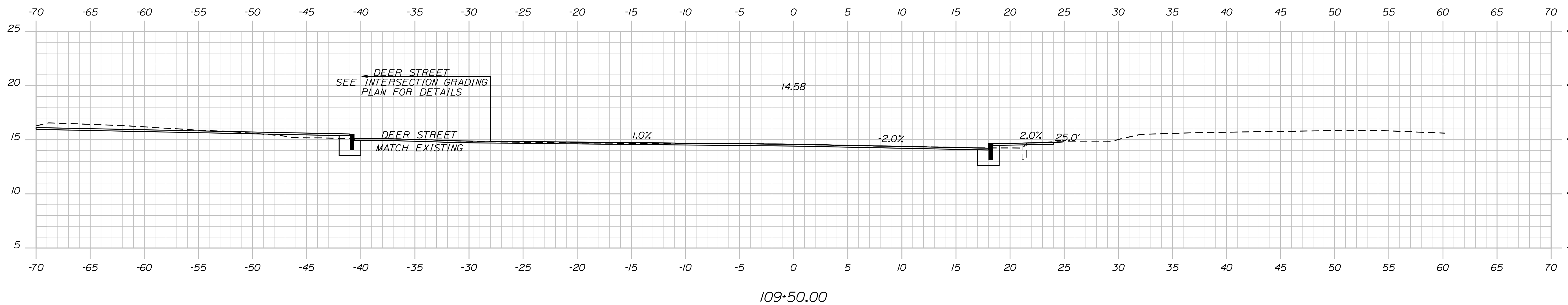
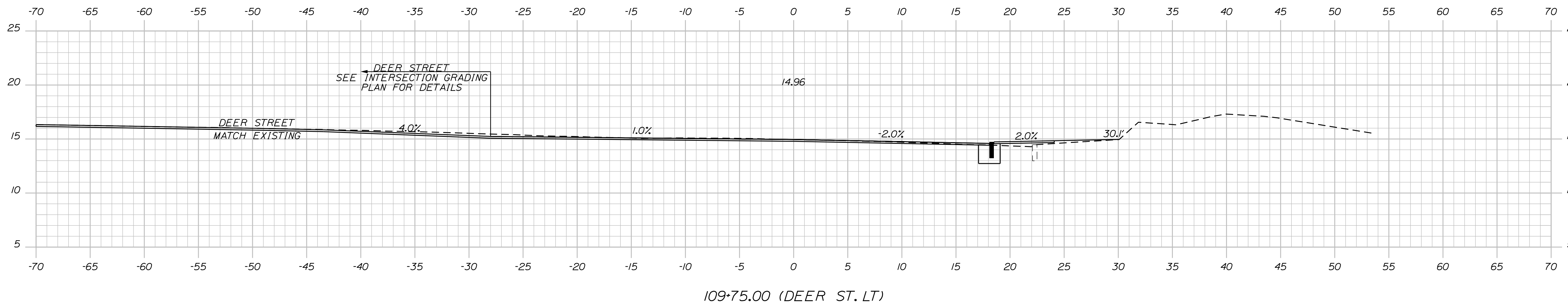
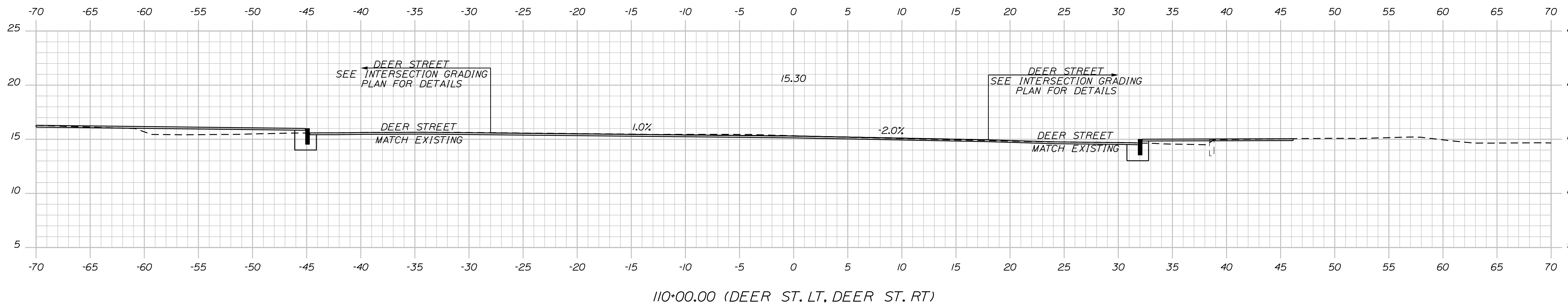
WWW.SEBAGOTECHNICS.COM

75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 41 OF 86



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

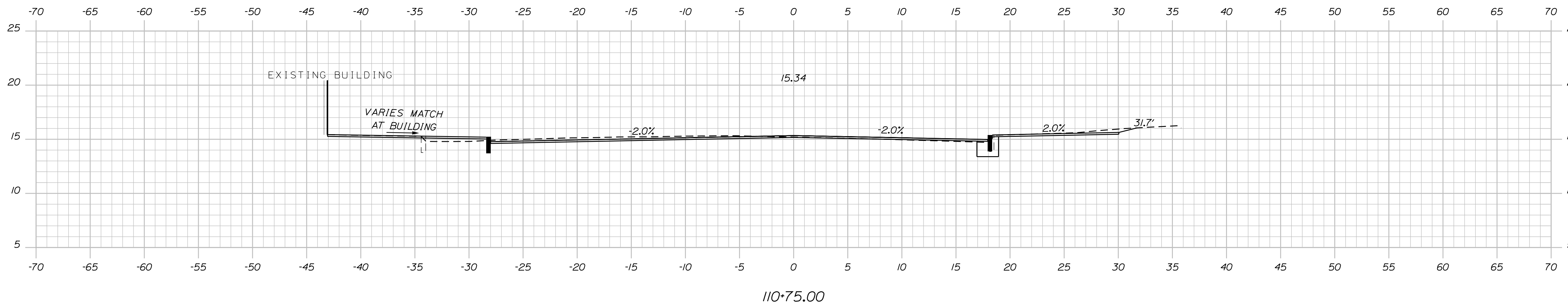
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

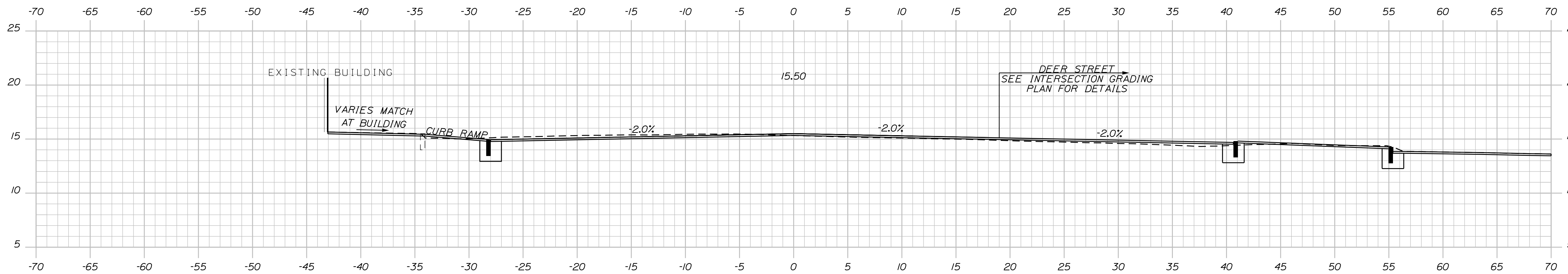
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

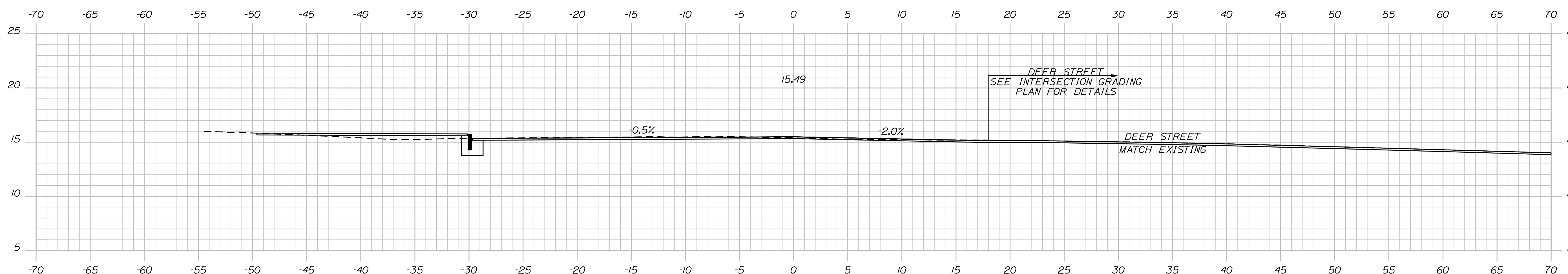
SHEET 42 OF 86



110+75.00



110+50.00 (DEER ST. RT)



110+25.00 (DEER ST. RT)

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

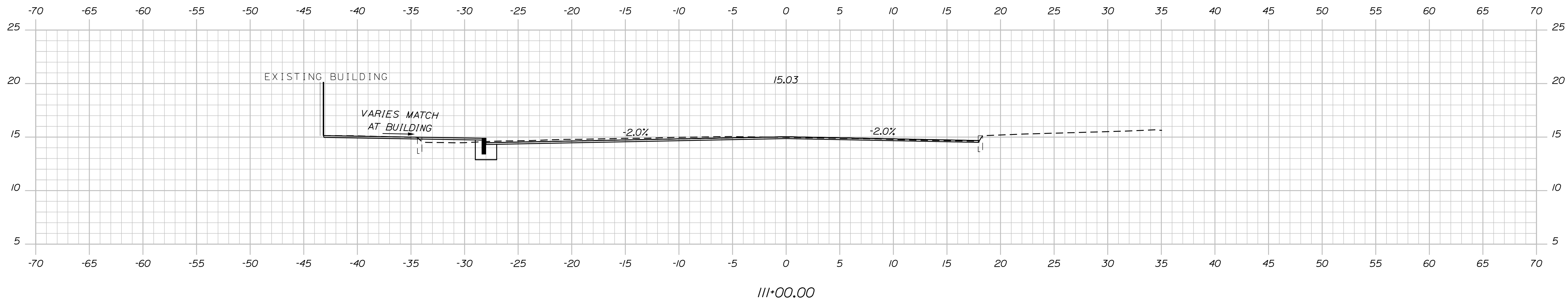
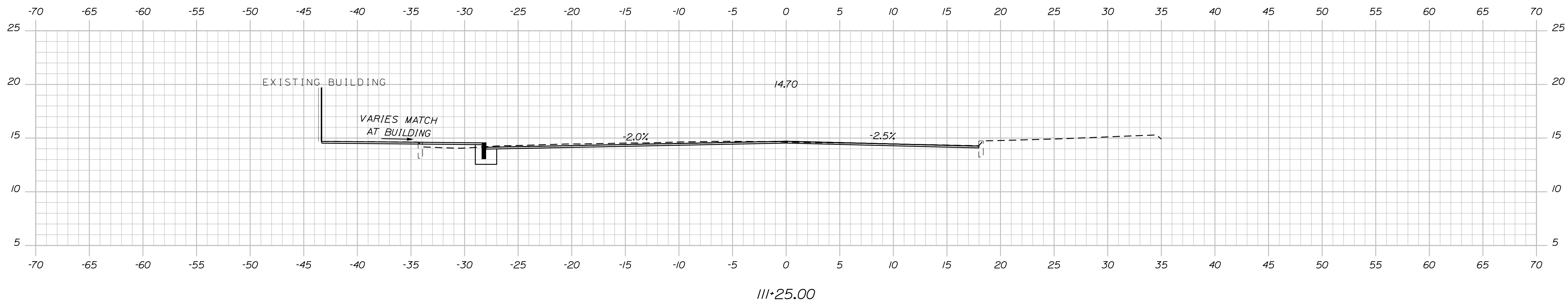
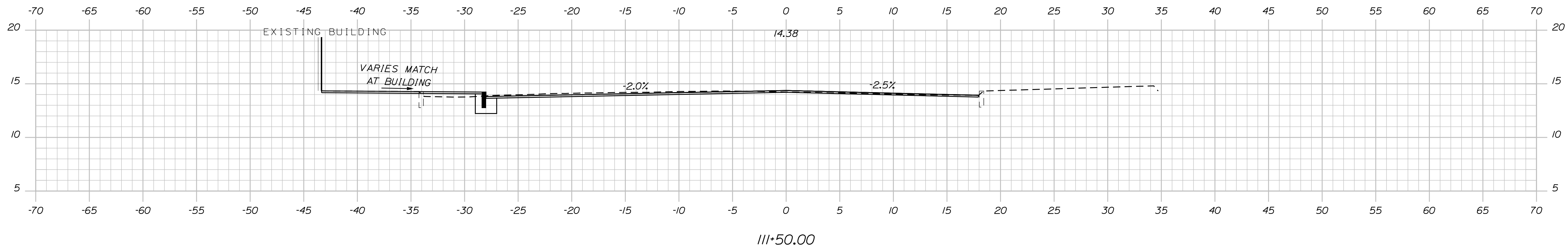
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNIQS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNIQS, INC.</small>	

**SEBAGO**  
TECHNIQS  
WWW.SEAGOTECHNIQS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 43 OF 86



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

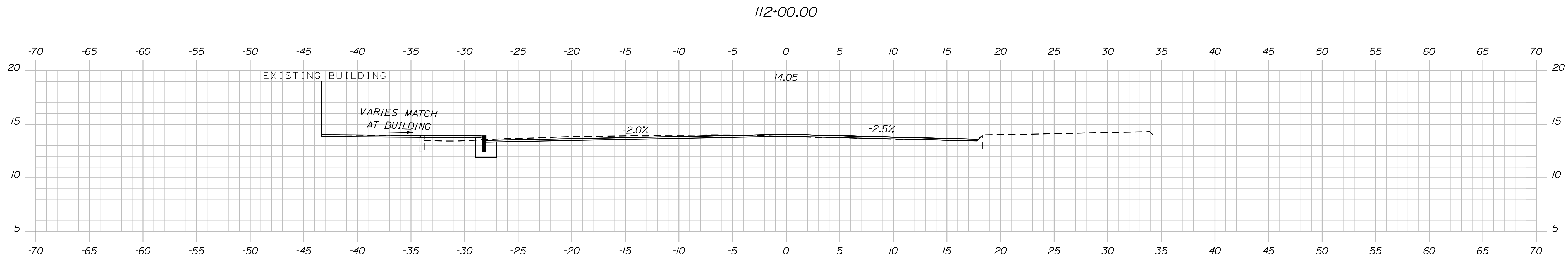
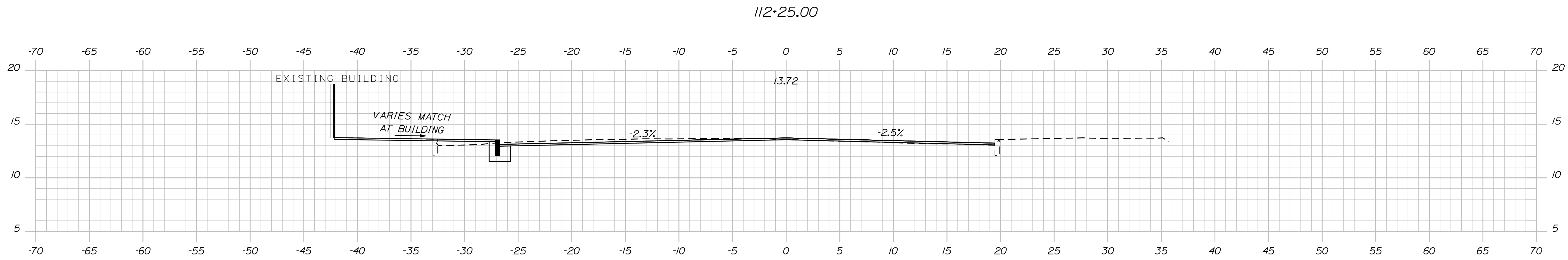
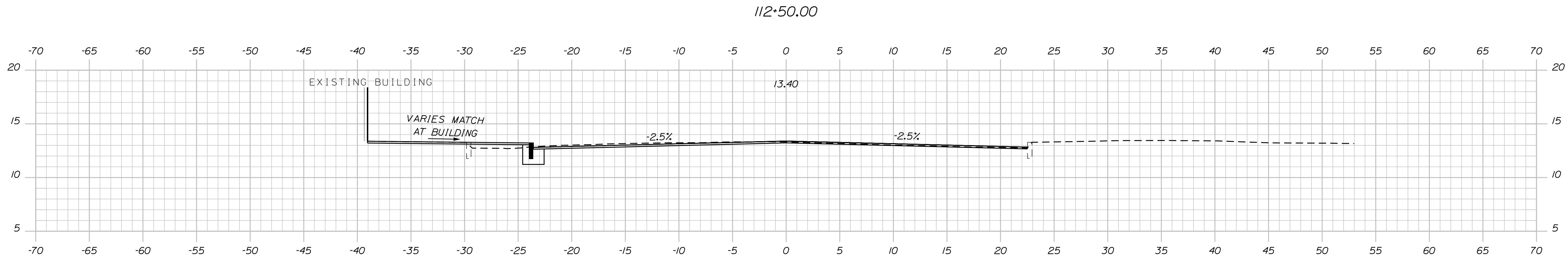
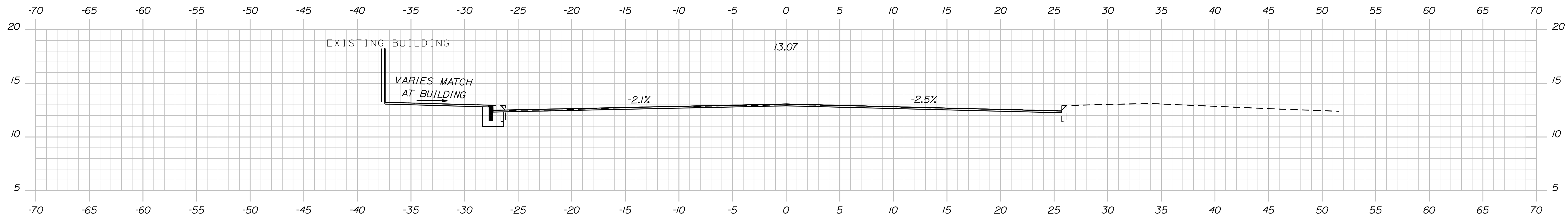
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 44 OF 86



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY: DATE: STATUS:	

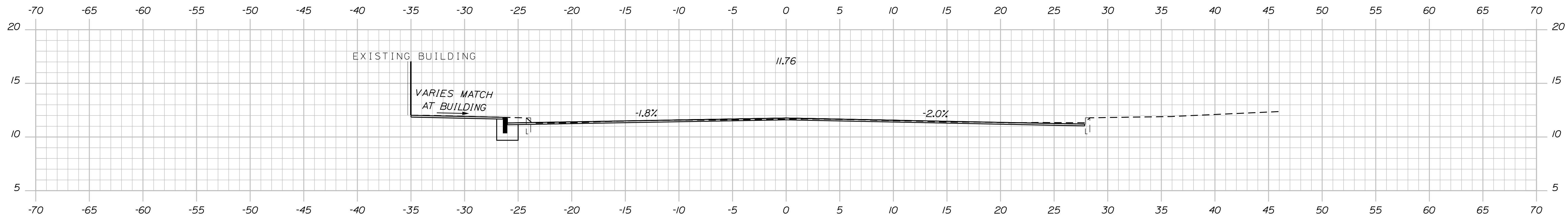
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNIQS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNIQS, INC.

**SEBAGO**  
TECHNIQS  
WWW.SEAGOTECHNIQS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

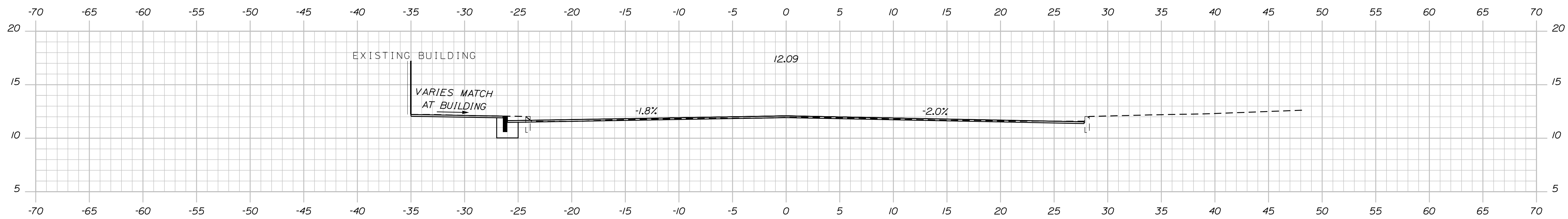
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

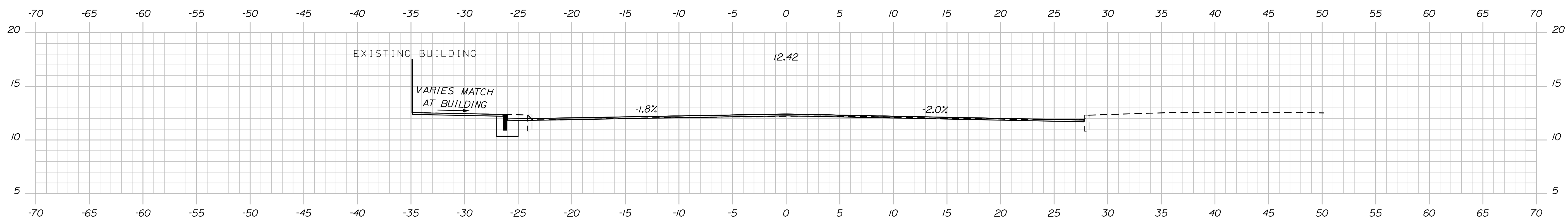
SHEET 45 OF 86



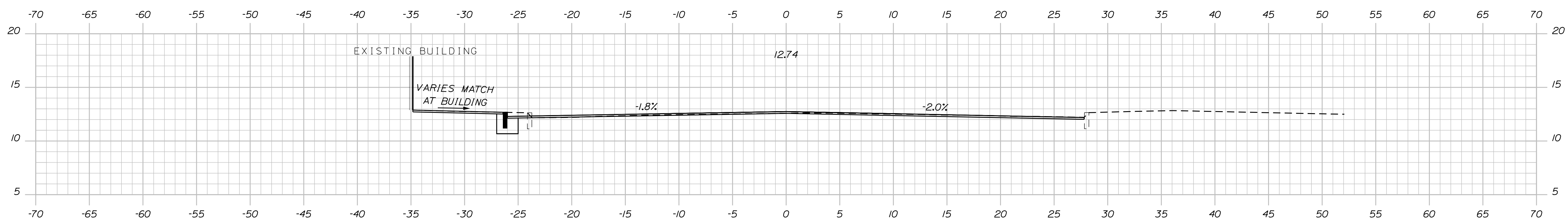
113+50.00



113+25.00



113+00.00



112+75.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	

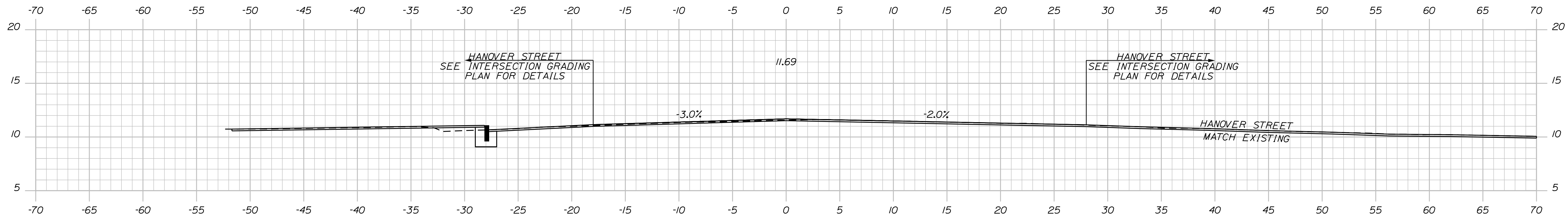
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

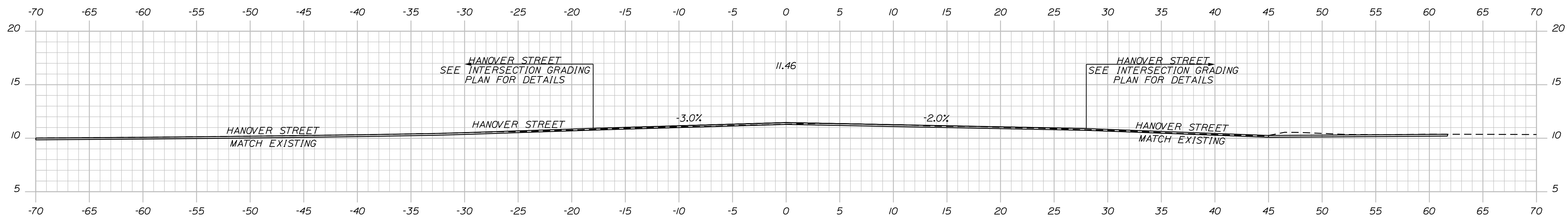
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

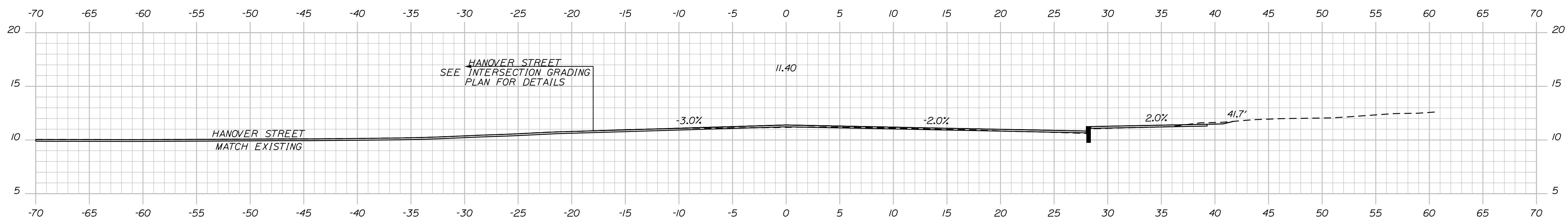
SHEET 46 OF 86



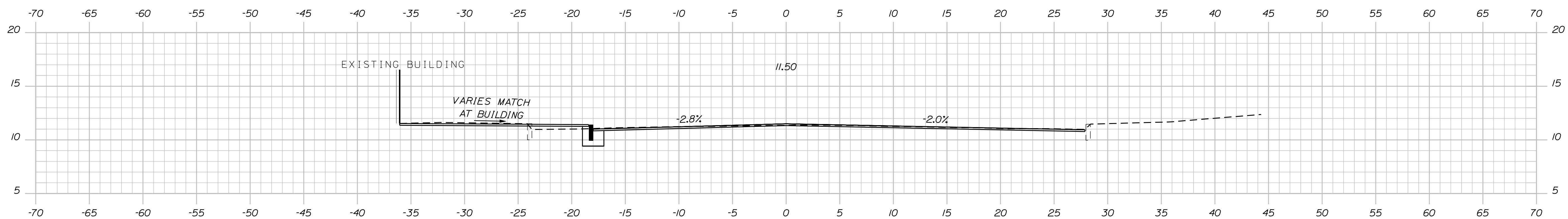
114+50.00 (HANOVER ST. LT, HANOVER ST. RT)



114+25.00 (HANOVER ST. LT, HANOVER ST. RT)



114+00.00 (HANOVER ST. LT)



113+75.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	

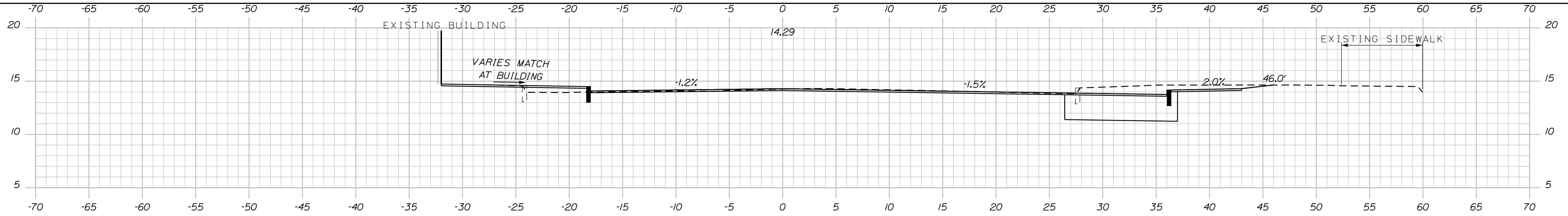
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

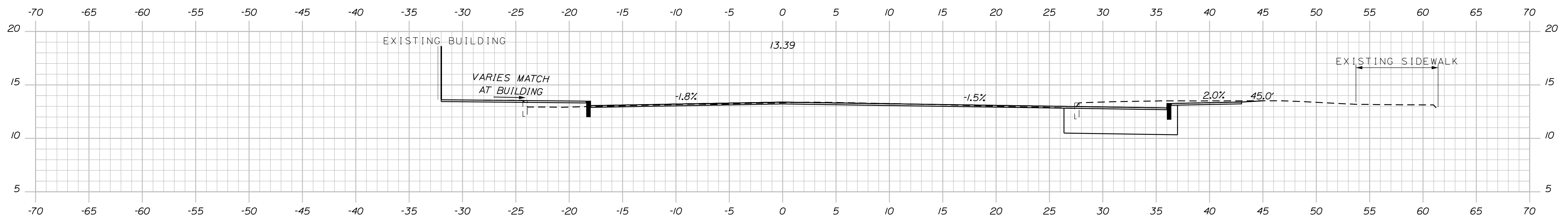
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

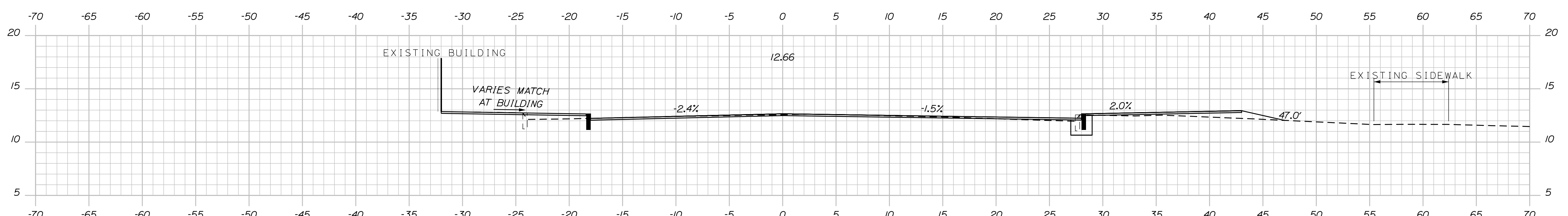
SHEET 47 OF 86



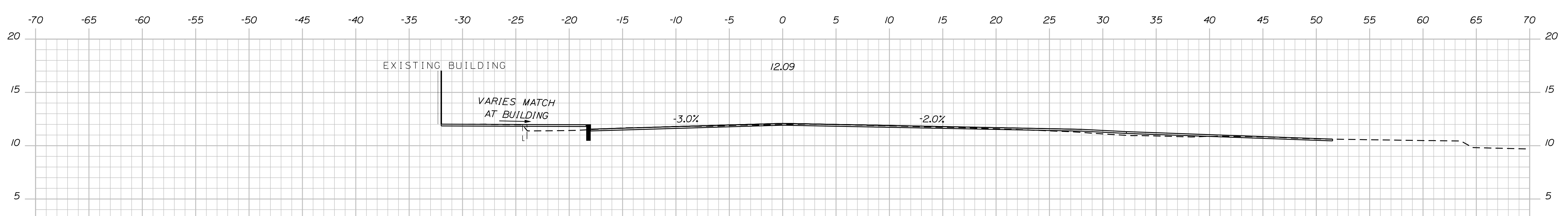
115+50.00



115+25.00



115+00.00



114+75.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

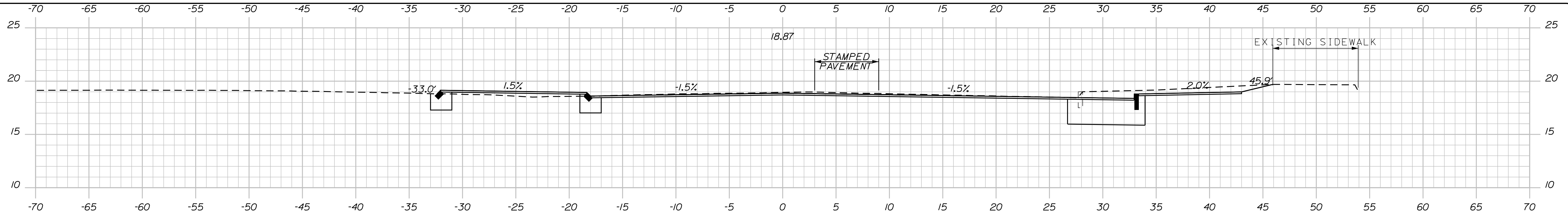
**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

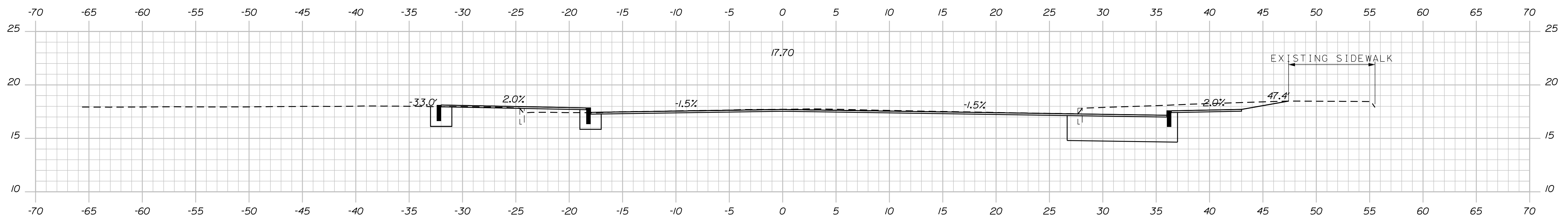
PROJECT NO.	SCALE
17134-01	-

SHEET 48 OF 86

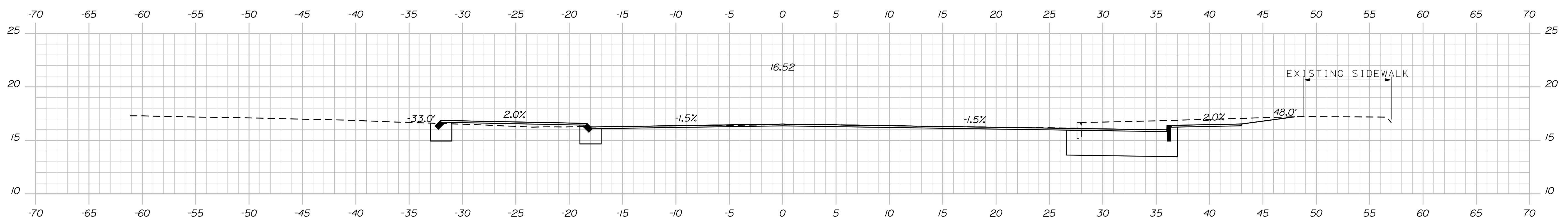




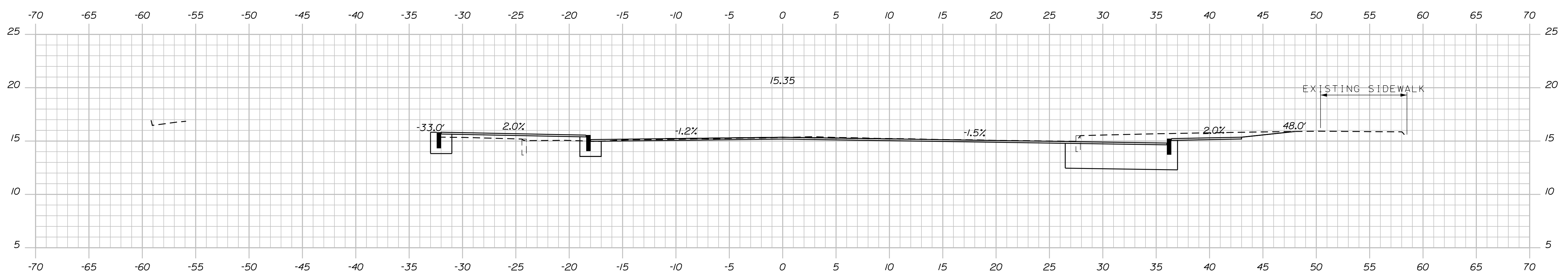
116+50.00



116+25.00



116+00.00



115+75.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	

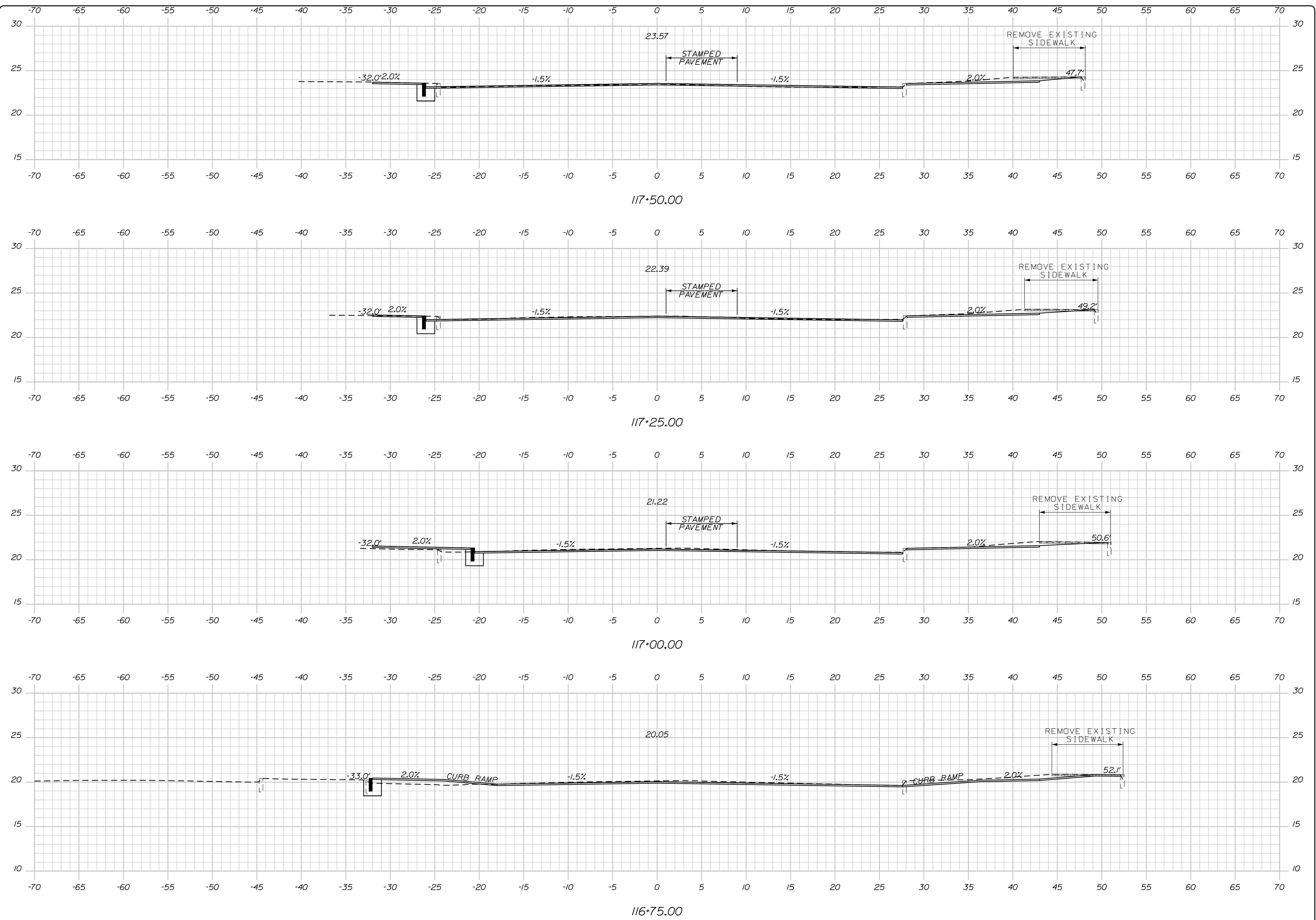
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel: 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO. 17134-01  
SCALE -

SHEET 49 OF 86



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

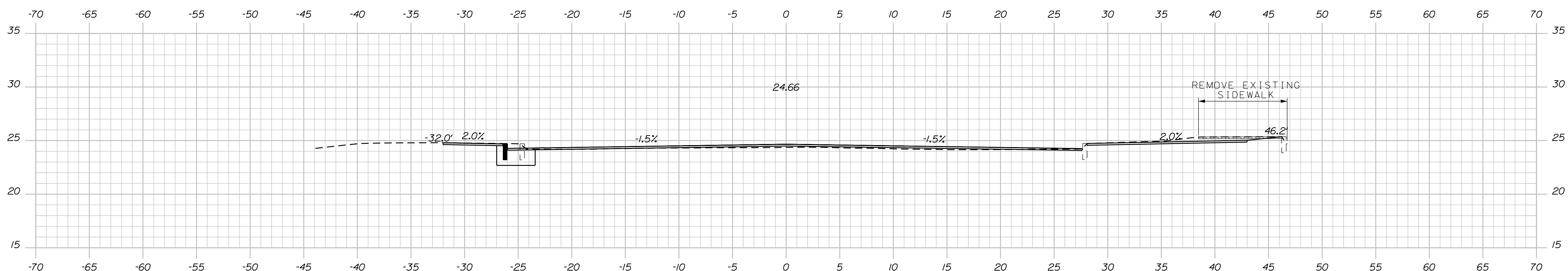
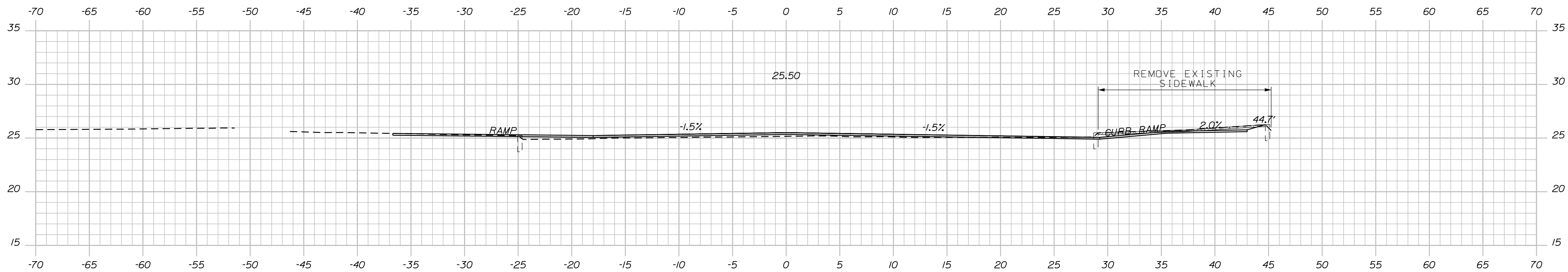
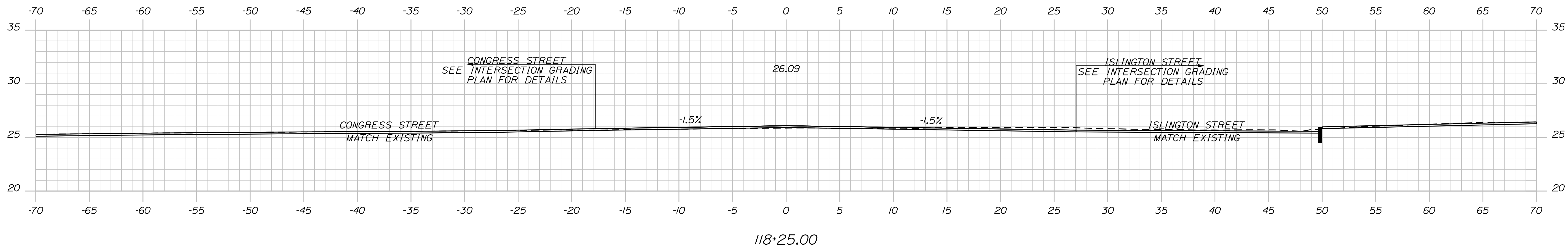
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel: 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 50 OF 86



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 51 OF 86

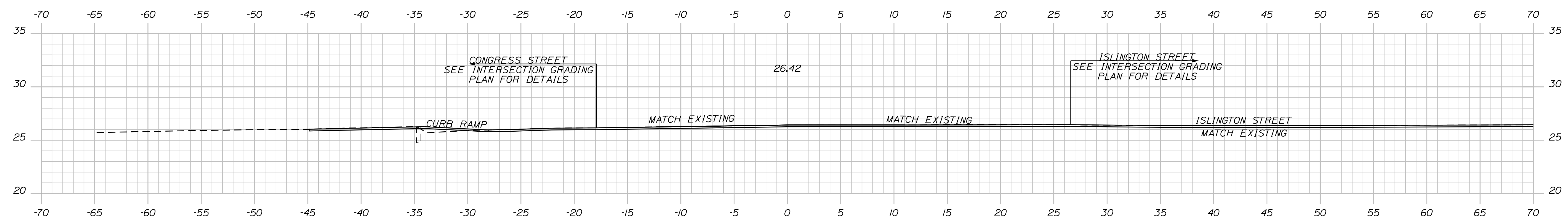
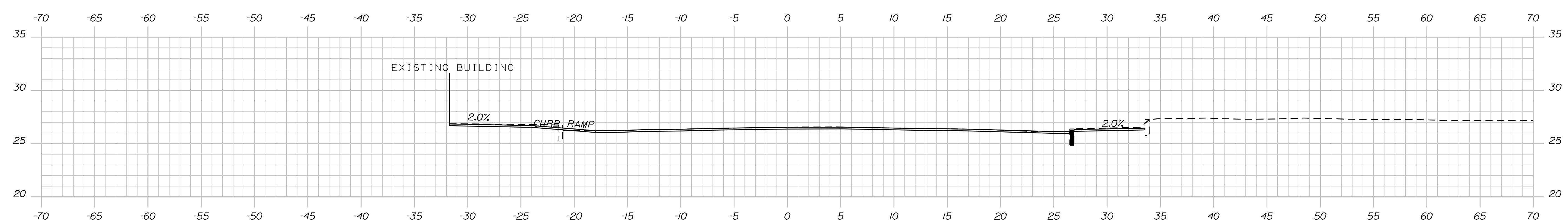
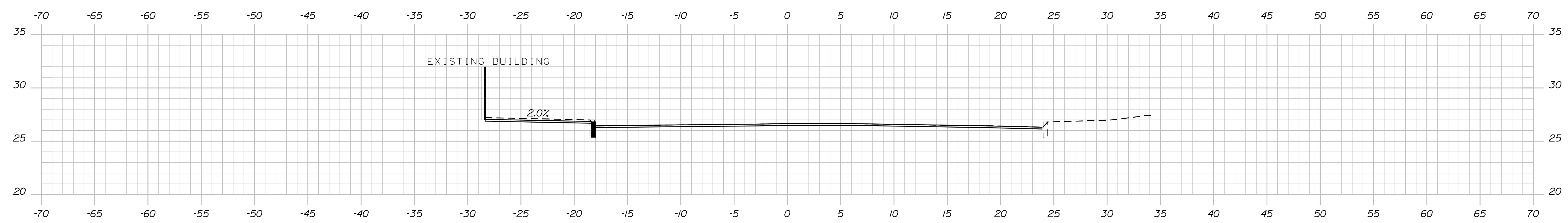
PLS OR PE

PLS OR PE

PROGRESS  
PRINT

NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

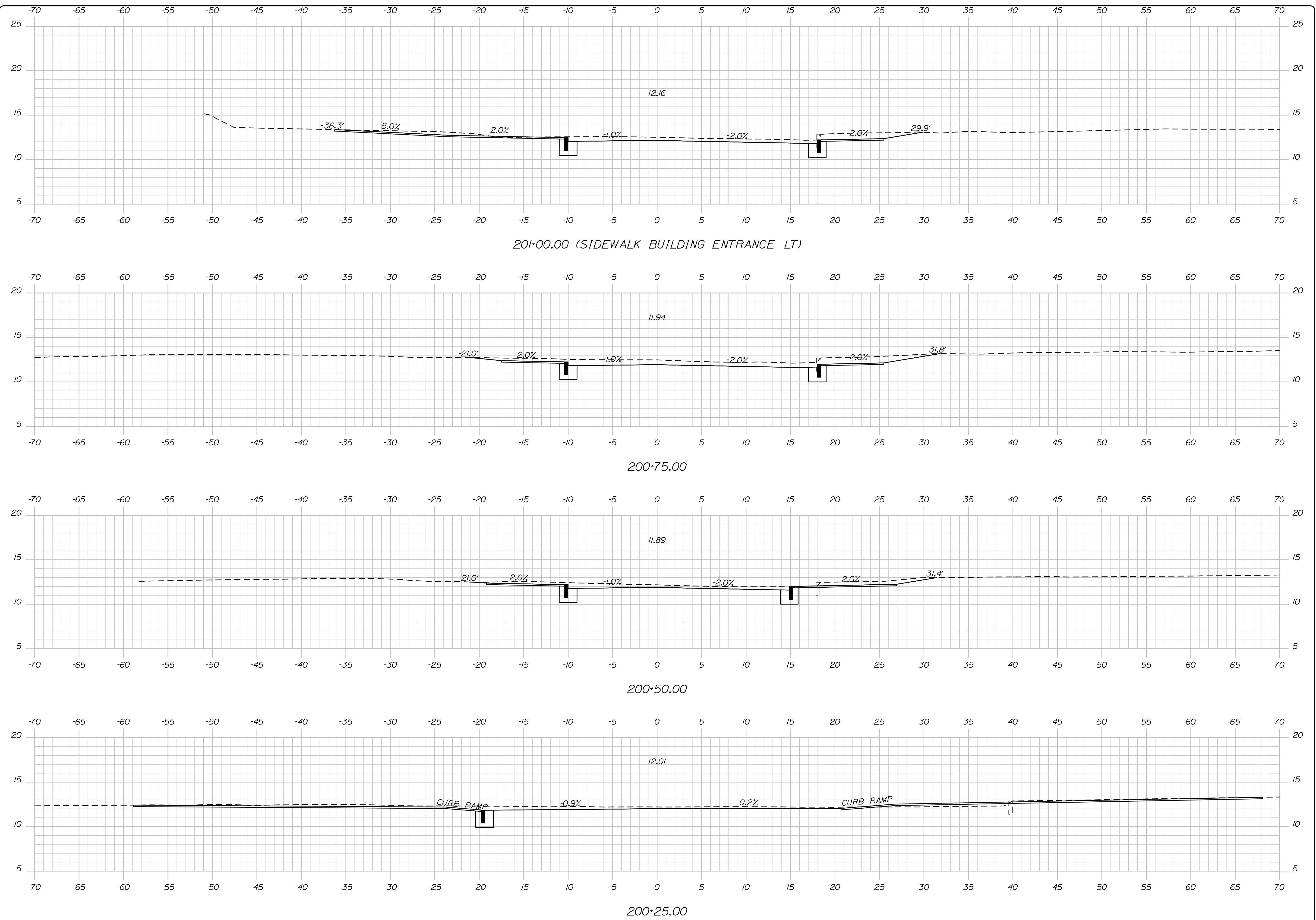


**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

...MSTASHEET5\Cross Sections.dgn



PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
TECHNICS

WWW.SEBAGOTECHNICS.COM

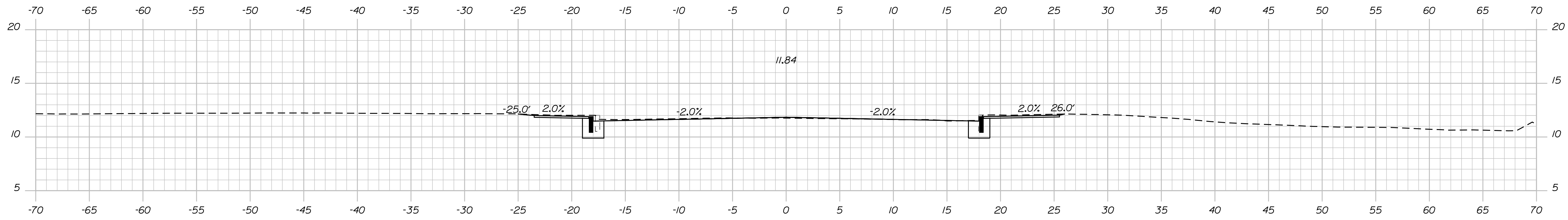
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

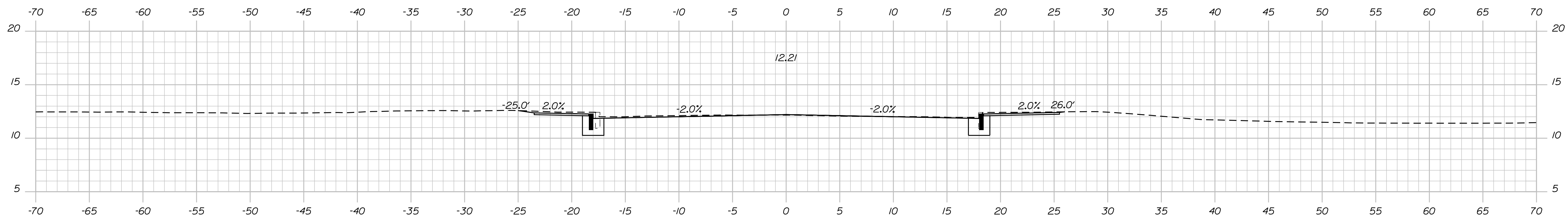
PROJECT NO.	SCALE
17134-01	-

SHEET 53 OF 86

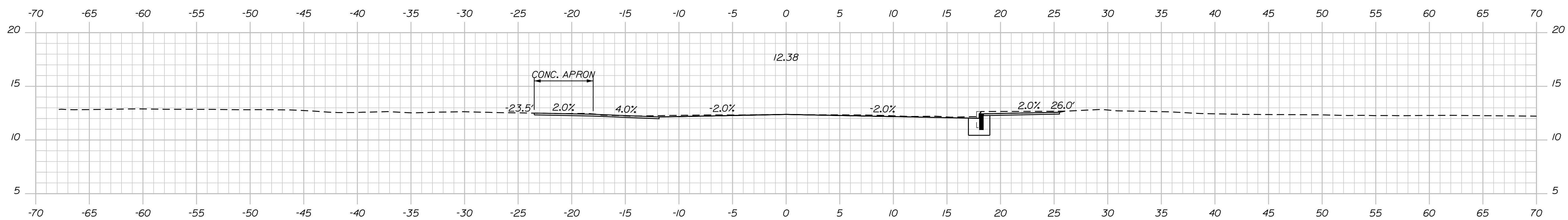
...MSTASHEET5\Cross Sections.dgn



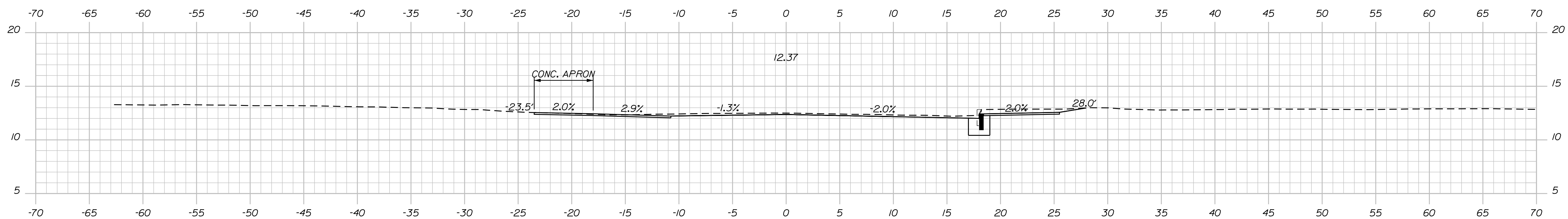
202+00.00



201+75.00



201+50.00 (DRIVEWAY LT)



201+25.00 (DRIVEWAY LT)

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:

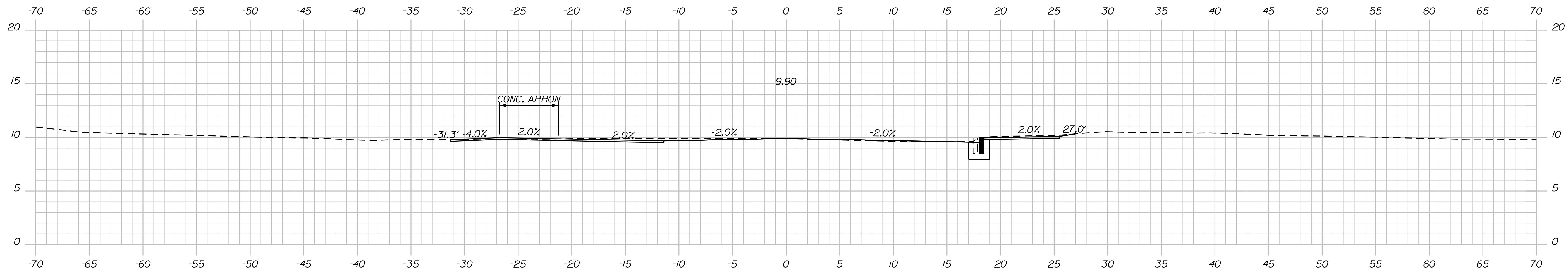
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel: 207-200-2100

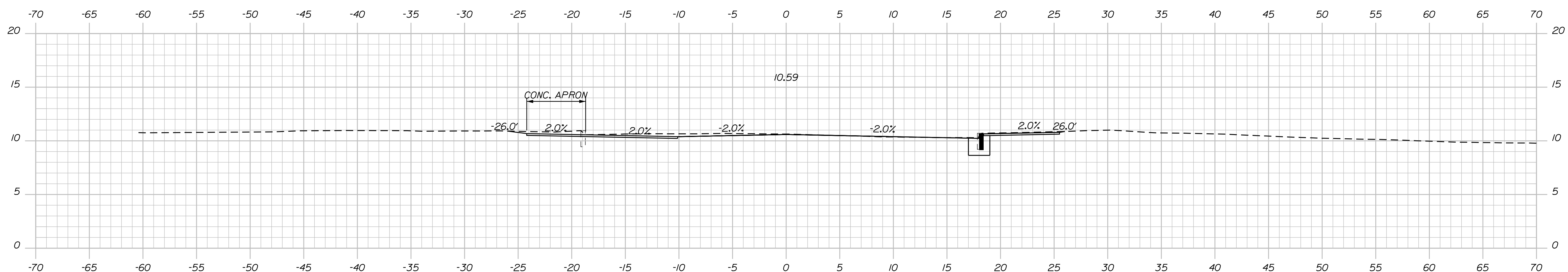
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

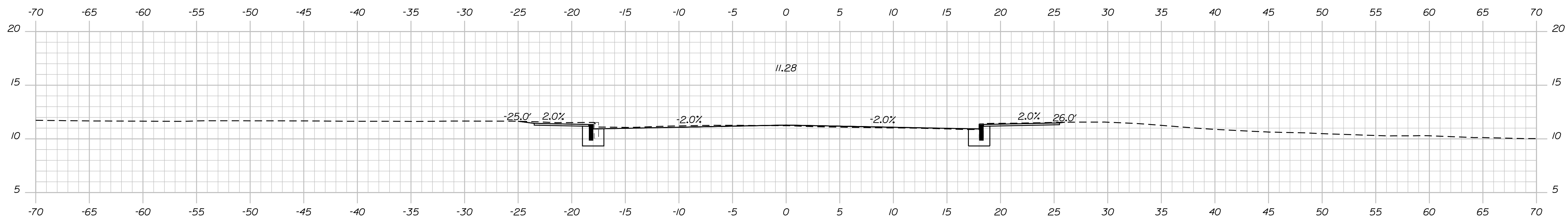
SHEET 54 OF 86



202+75.00 (DRIVEWAY LT)



202+50.00 (EDGE OF DRIVEWAY LT)



202+25.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

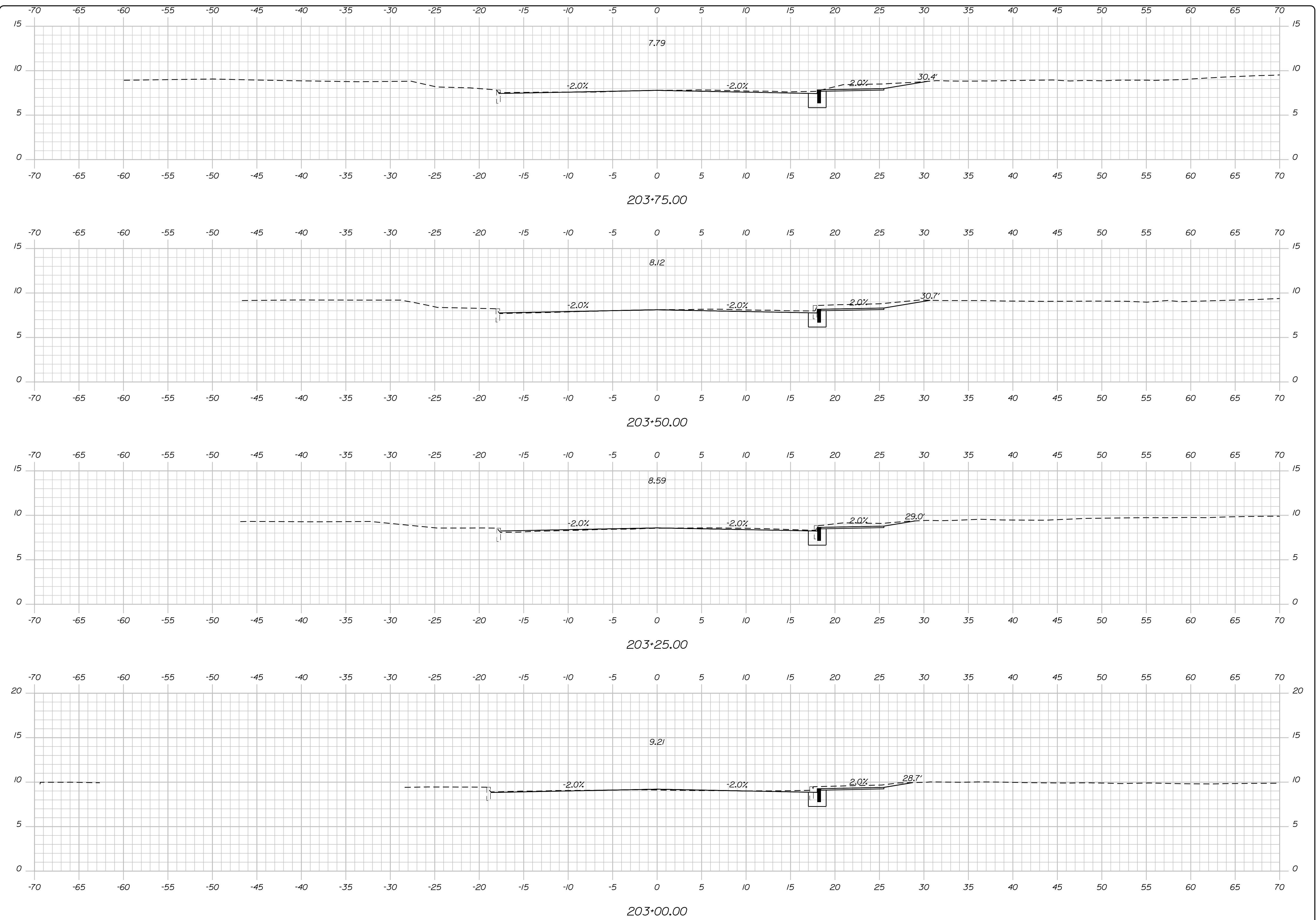
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel: 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 55 OF 86



PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOX SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

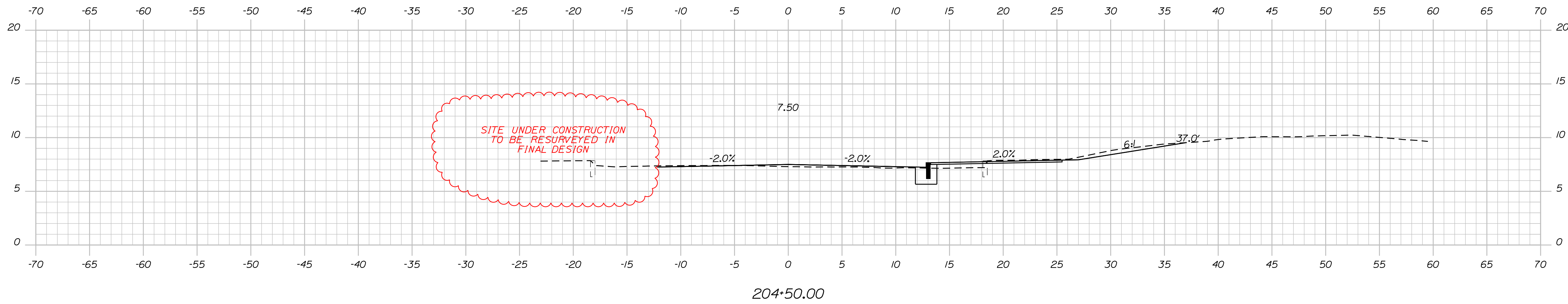
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

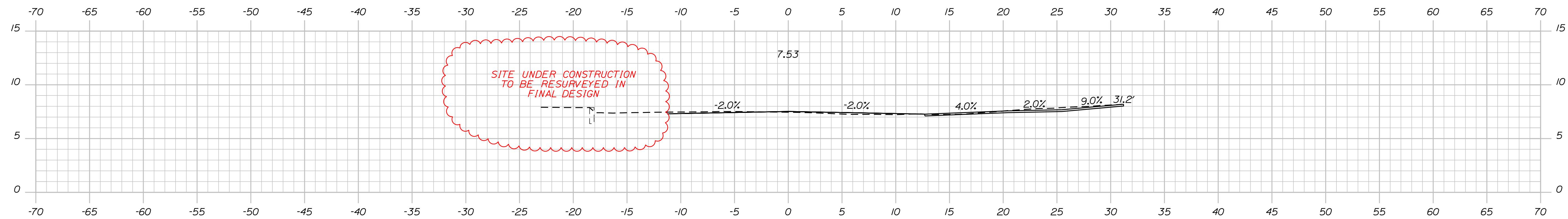
SHEET 56 OF 86

...MSTASHEET5\Cross Sections.dgn

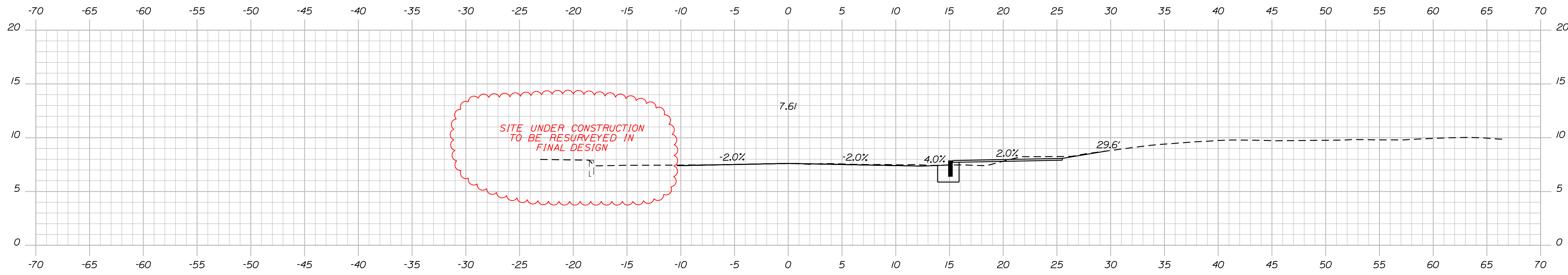




204+50.00



204+25.00 (DRIVEWAY LT, DRIVEWAY RT)



204+00.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

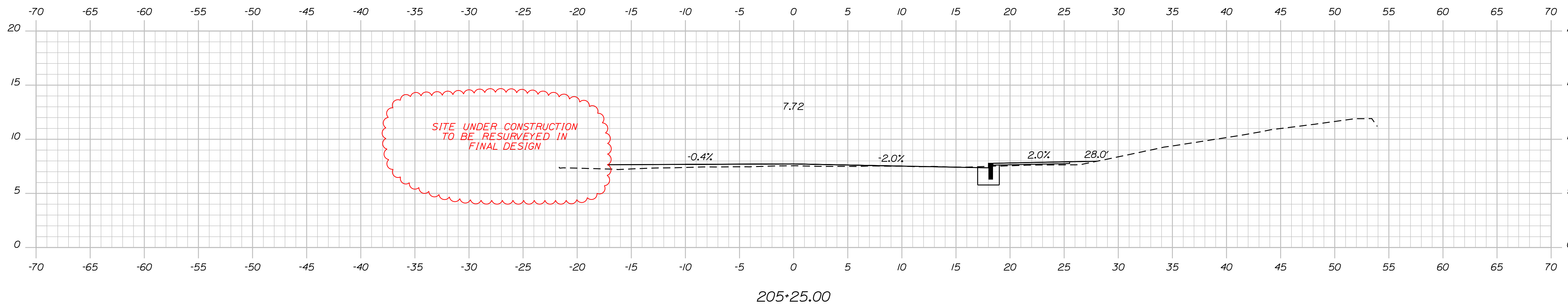
**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

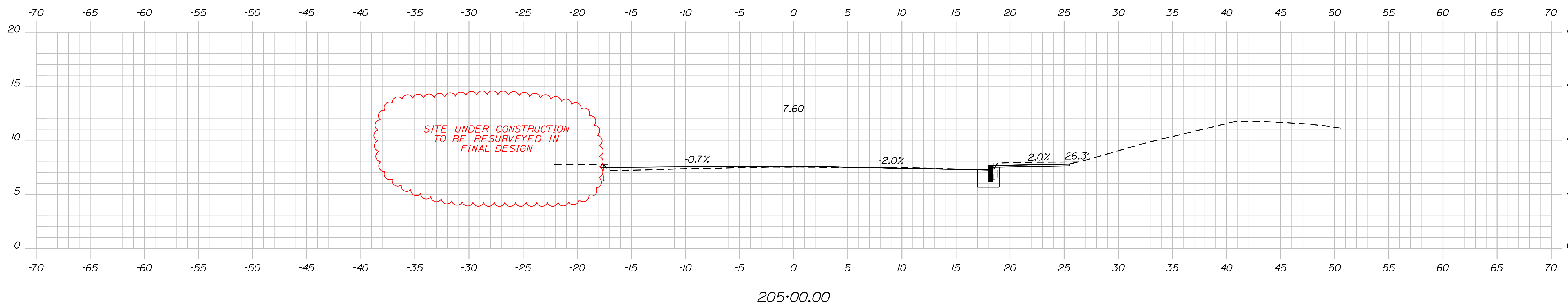
PROJECT NO.	SCALE
17134-01	-

SHEET 57 OF 86

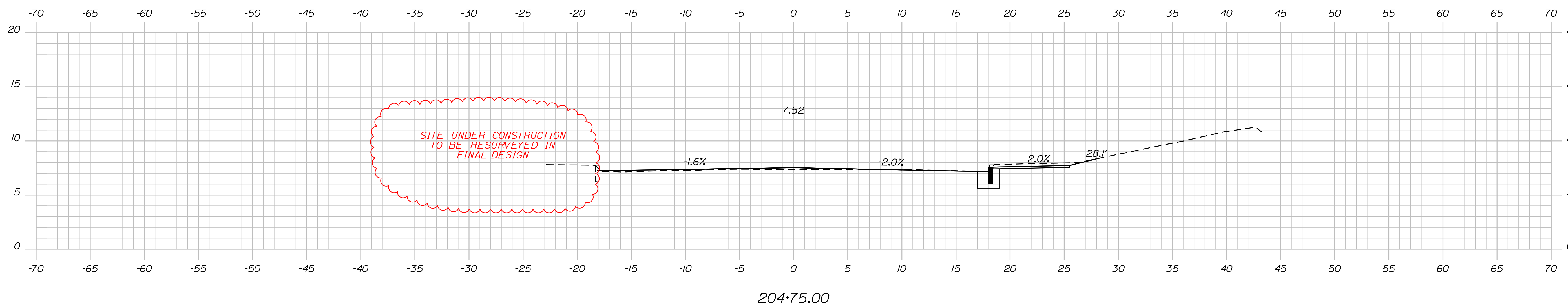
...MSTASHEET\S\Cross Sections.dgn



205+25.00



205+00.00



204+75.00

PLS OR PE

PLS OR PE

PROGRESS  
PRINT

NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY: DATE: STATUS:	

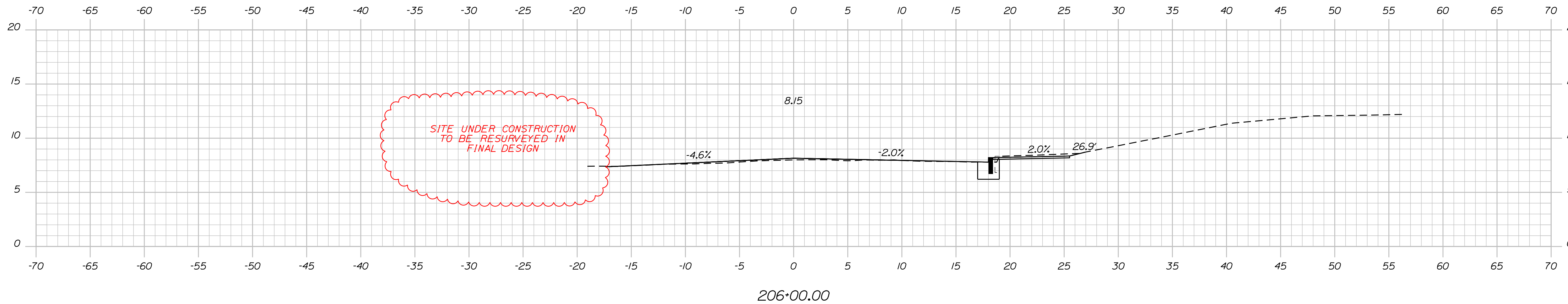
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNIQS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNIQS, INC.

**SEBAGO**  
TECHNIQS  
WWW.SEBAGOTECHNIQS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

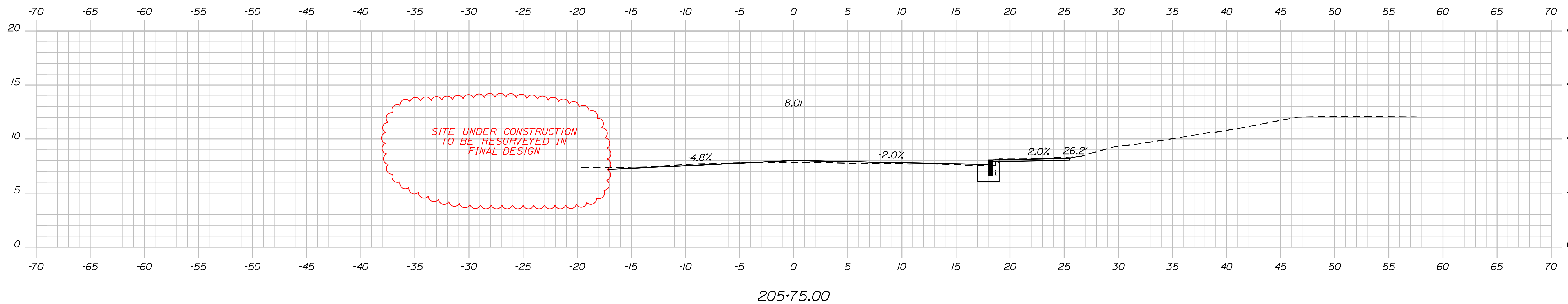
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

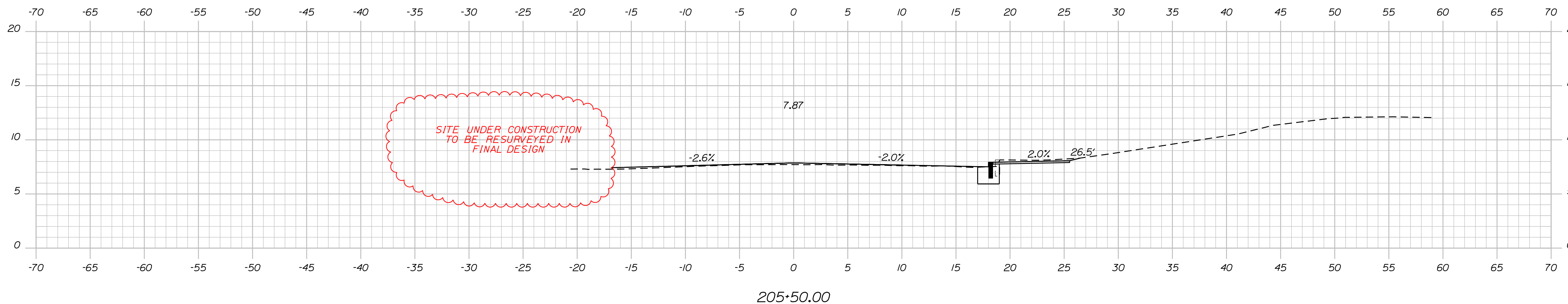
SHEET 58 OF 86



206+00.00



205+75.00



205+50.00

PLS OR PE

PLS OR PE

PROGRESS PRINT

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY: DATE: STATUS:	

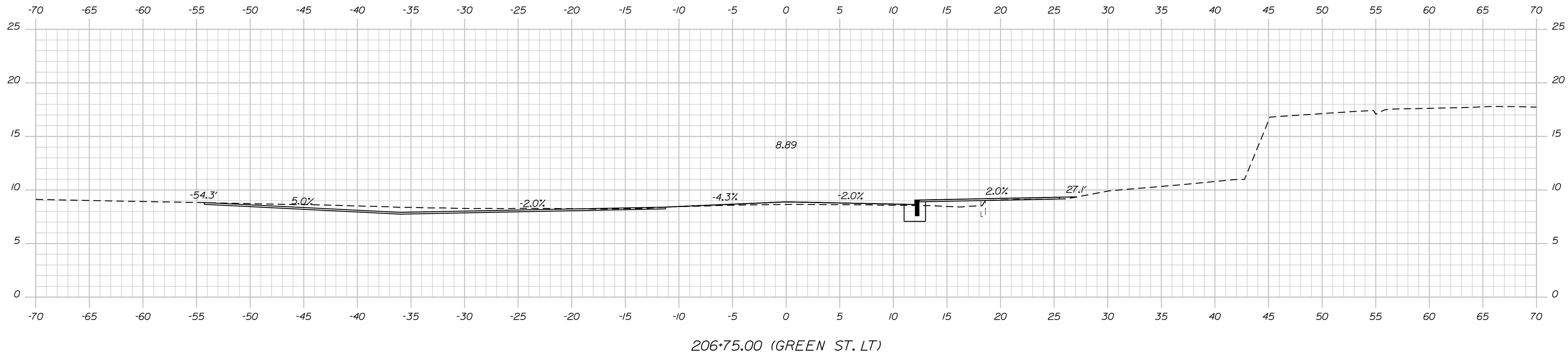
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

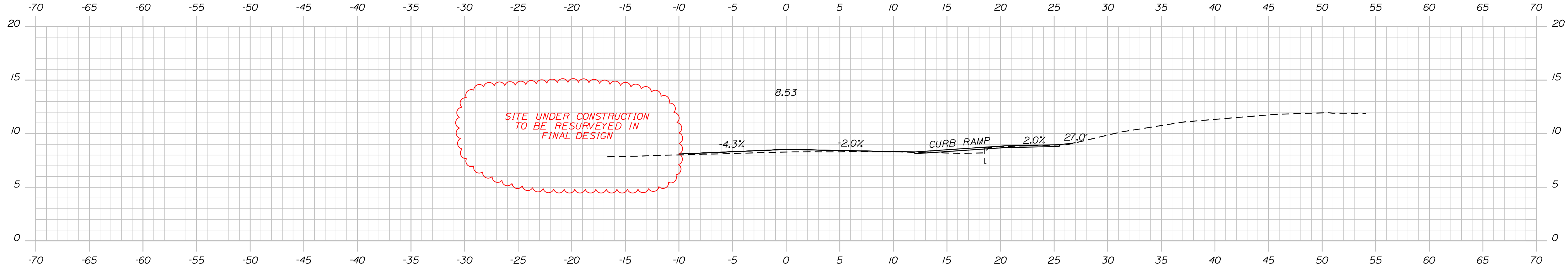
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

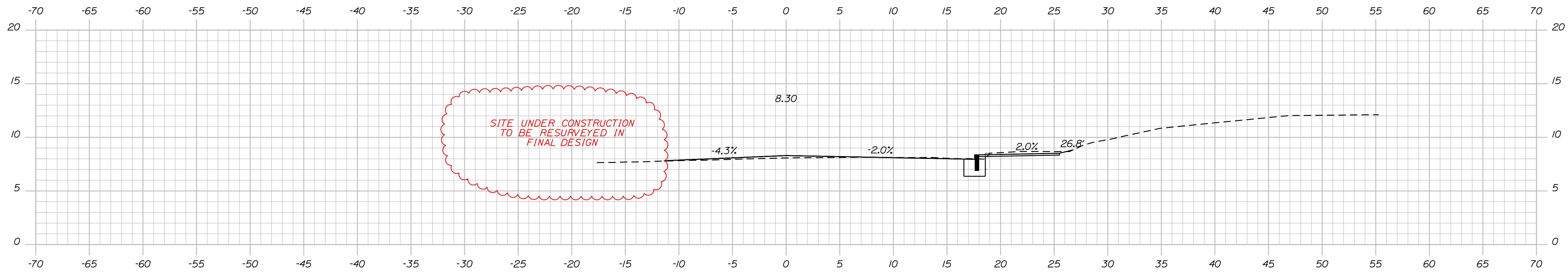
SHEET 59 OF 86



206+75.00 (GREEN ST. LT)



206+50.00



206+25.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

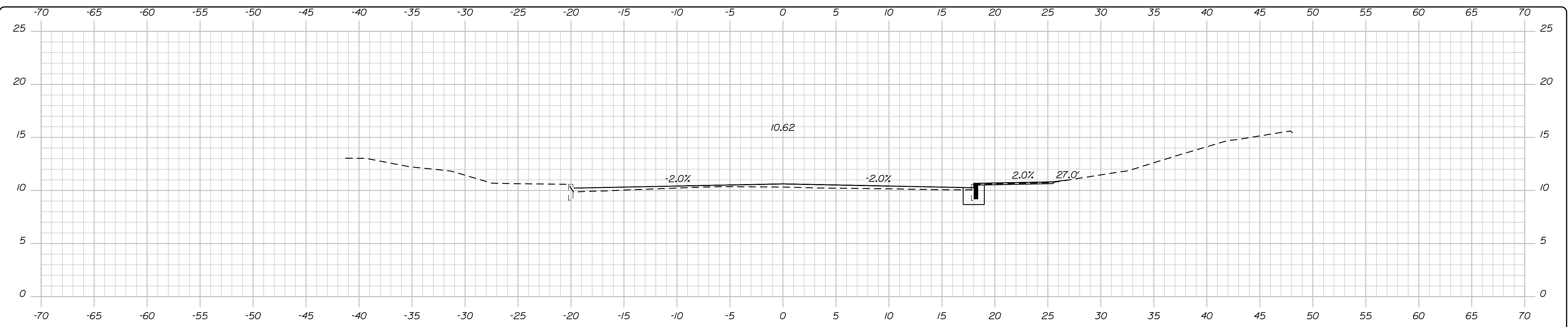
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

**SEBAGO**  
TECHNICS  
WWW.SEBAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

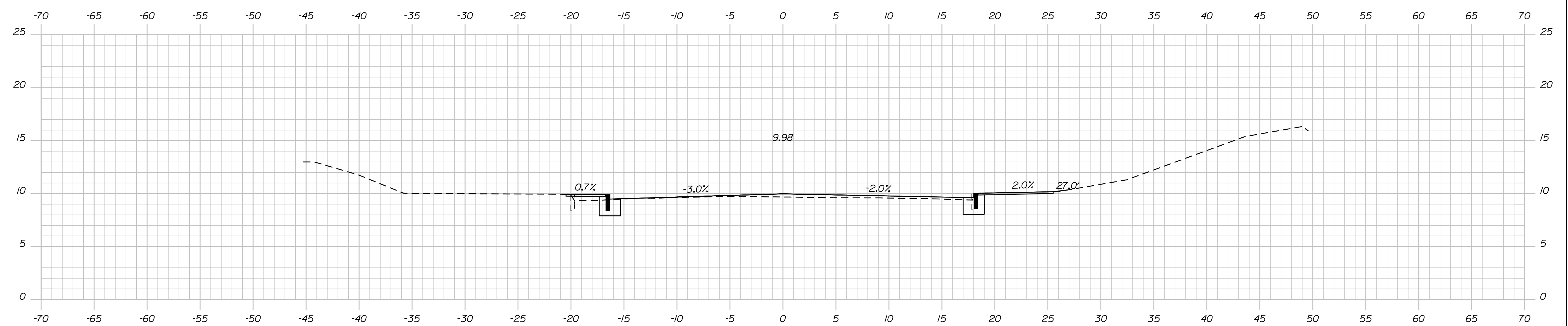
CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

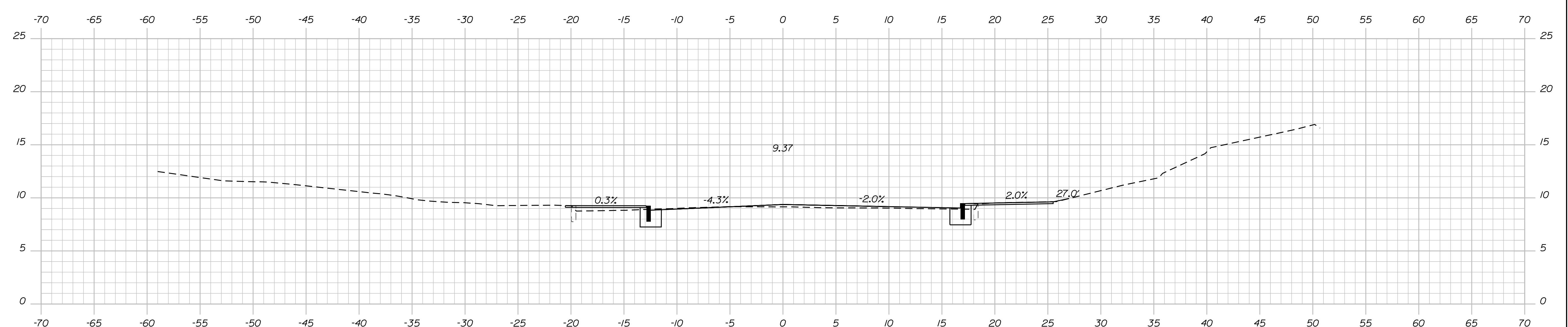
SHEET 60 OF 86



207+50.00



207+25.00



207+00.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
<small>THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.</small>	

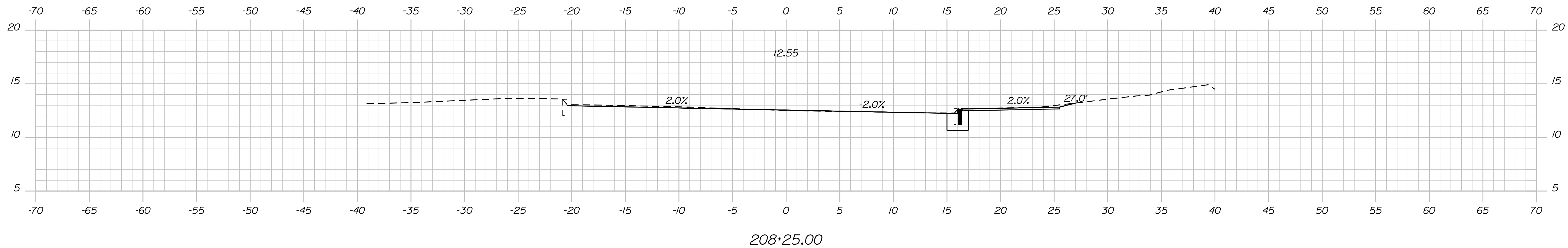
**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

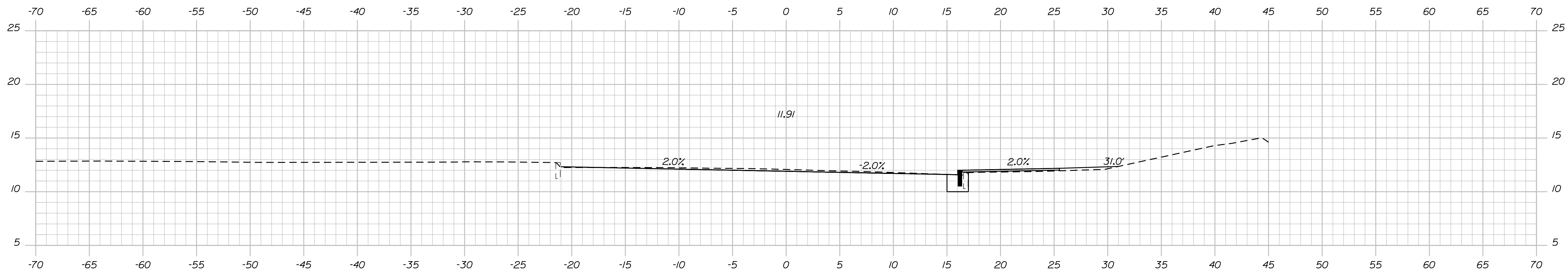
PROJECT NO.	SCALE
17134-01	-

SHEET 61 OF 86

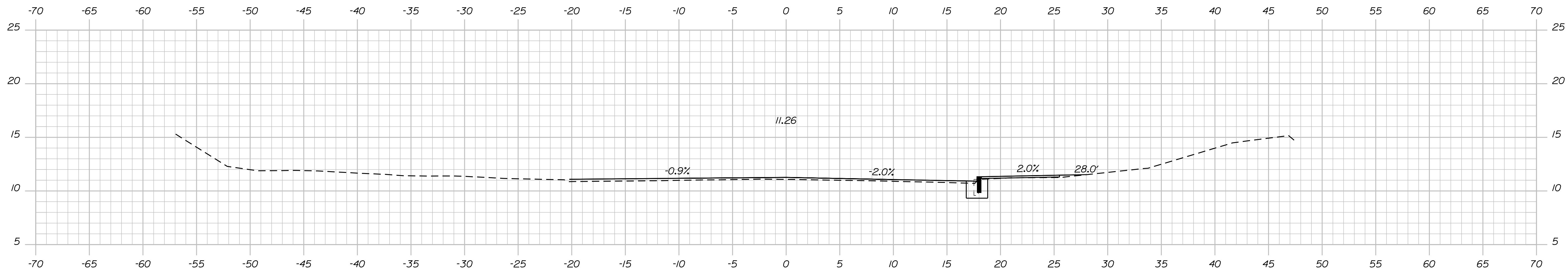
...MSTASHEETS\Cross Sections.dgn



208+25.00



208+00.00



207+75.00

PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

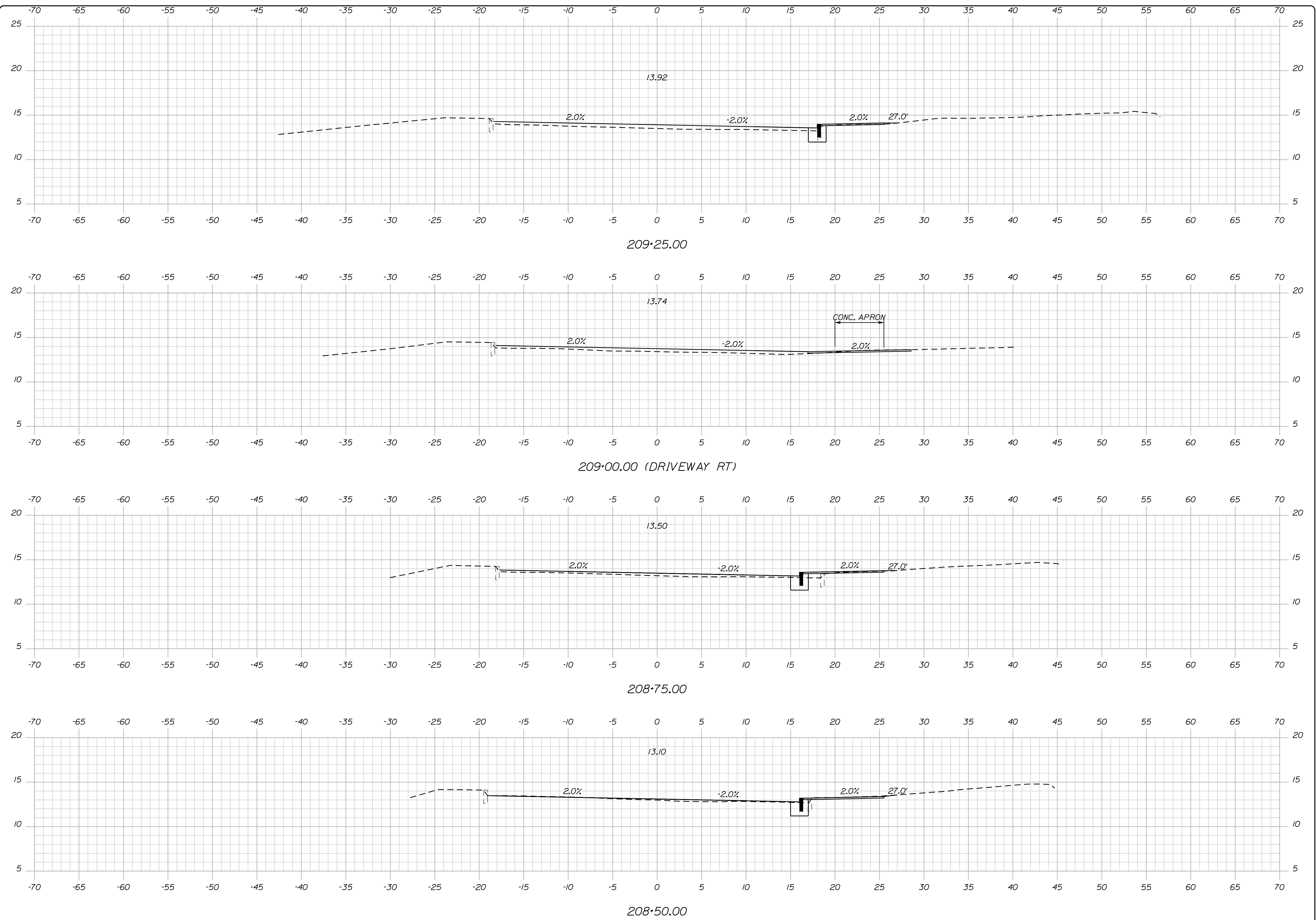
DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 62 OF 86



PLS OR PE

PROGRESS PRINT

PLS OR PE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 BOI SUBMISSION	
REV: BY: DATE: STATUS:	

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO**  
TECHNICS

WWW.SEBAGOTECHNICS.COM

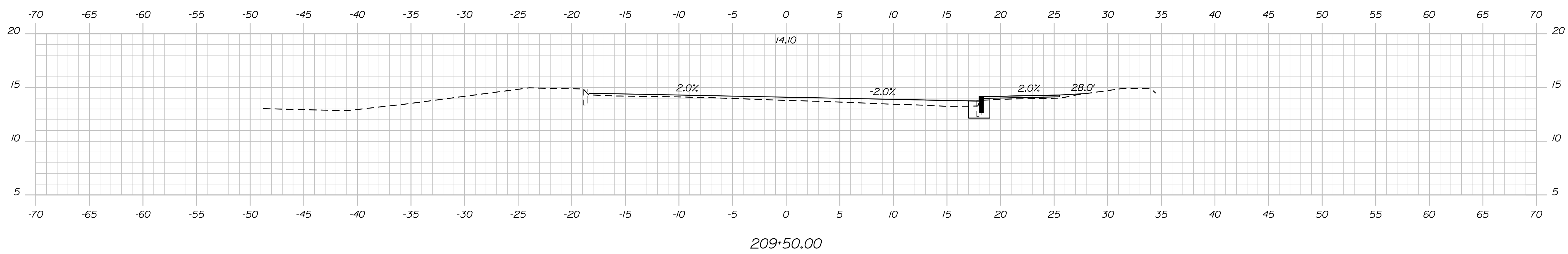
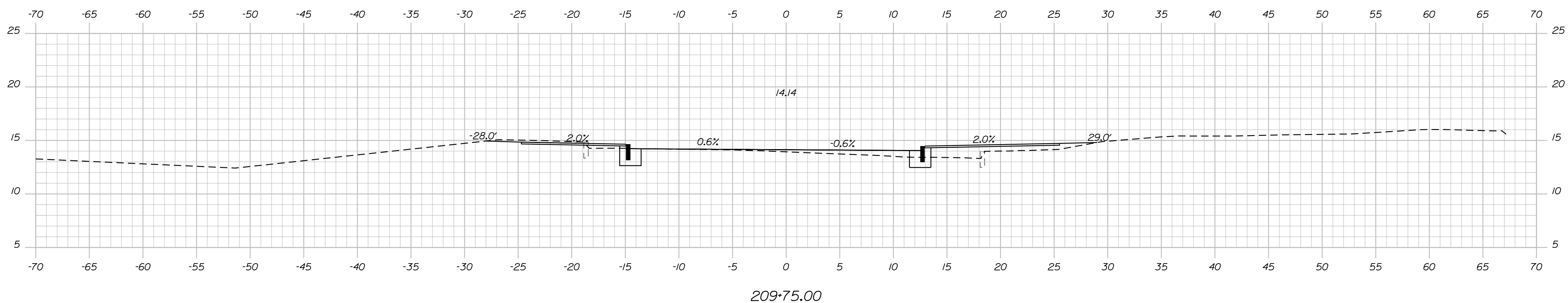
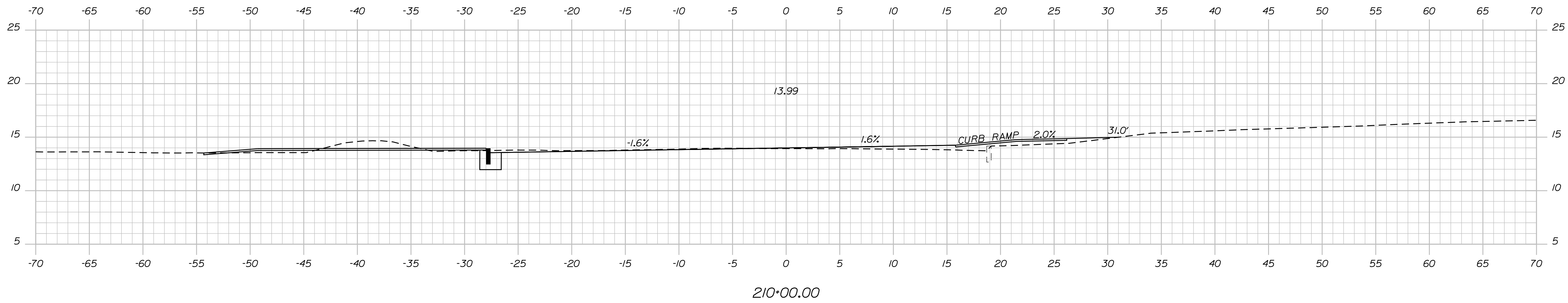
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 63 OF 86

...MSTASHEET\cross Sections.dgn



PLS OR PE  
PROGRESS  
PRINT

PLS OR PE  
NOT FOR  
CONSTRUCTION

DESIGNED	CHECKED
BRL	SSS
2 BRL 05/31/19 FINAL PRELIMINARY PLANS	
1 BRL 04/05/19 60% SUBMISSION	
REV: BY:	DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.	

**SEBAGO**  
TECHNICS  
WWW.SEAGOTECHNICS.COM  
75 John Roberts Rd.  
Suite 4A  
South Portland, ME 04106  
Tel. 207-200-2100

CROSS SECTIONS  
OF:  
MAPLEWOOD AVENUE  
CORRIDOR IMPROVEMENTS  
FOR:  
CITY OF PORTSMOUTH  
1 JUNKINS AVE.  
PORTSMOUTH, NH 03801

PROJECT NO.	SCALE
17134-01	-

SHEET 64 OF 86





HARRIMAN

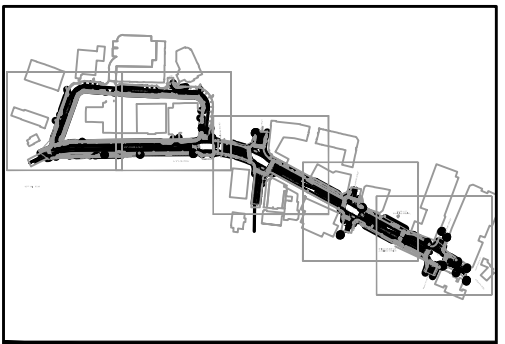
AUBURN PORTLAND PORTSMOUTH BOSTON

MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

Project Location

Harriman Project No. 17397

Key Plan Project North



Issues and Revisions

Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

PRELIMINARY NOT FOR CONSTRUCTION

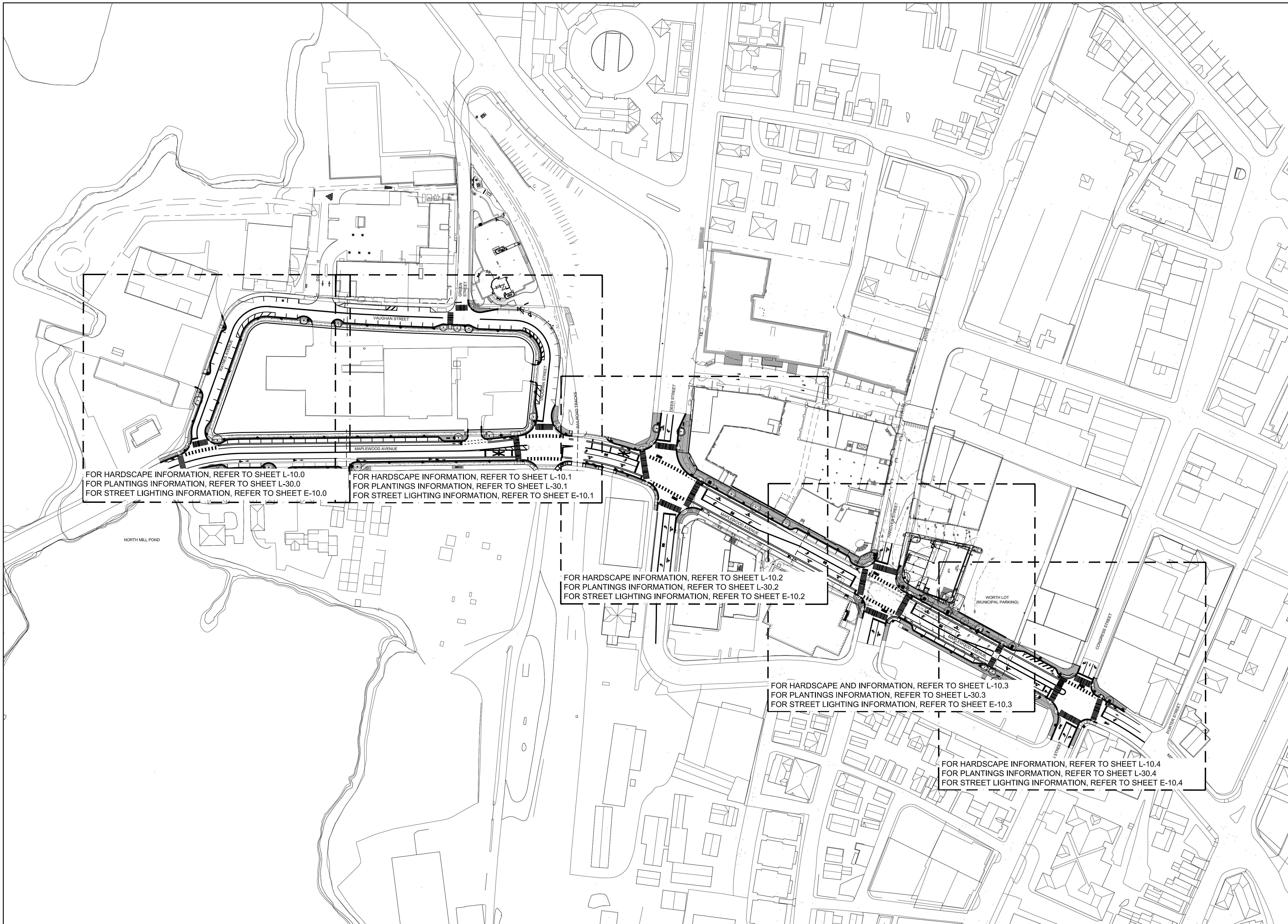
Drawing Scales 1" = 80' - 0" 0 40' 80'

PA / PE: SGC © 2019 Drawn By: HAS Harriman Associates

SHEET INDEX PLAN

L00.1

65 OF 86



FOR HARDSCAPE INFORMATION, REFER TO SHEET L-10.0  
 FOR PLANTINGS INFORMATION, REFER TO SHEET L-30.0  
 FOR STREET LIGHTING INFORMATION, REFER TO SHEET E-10.0

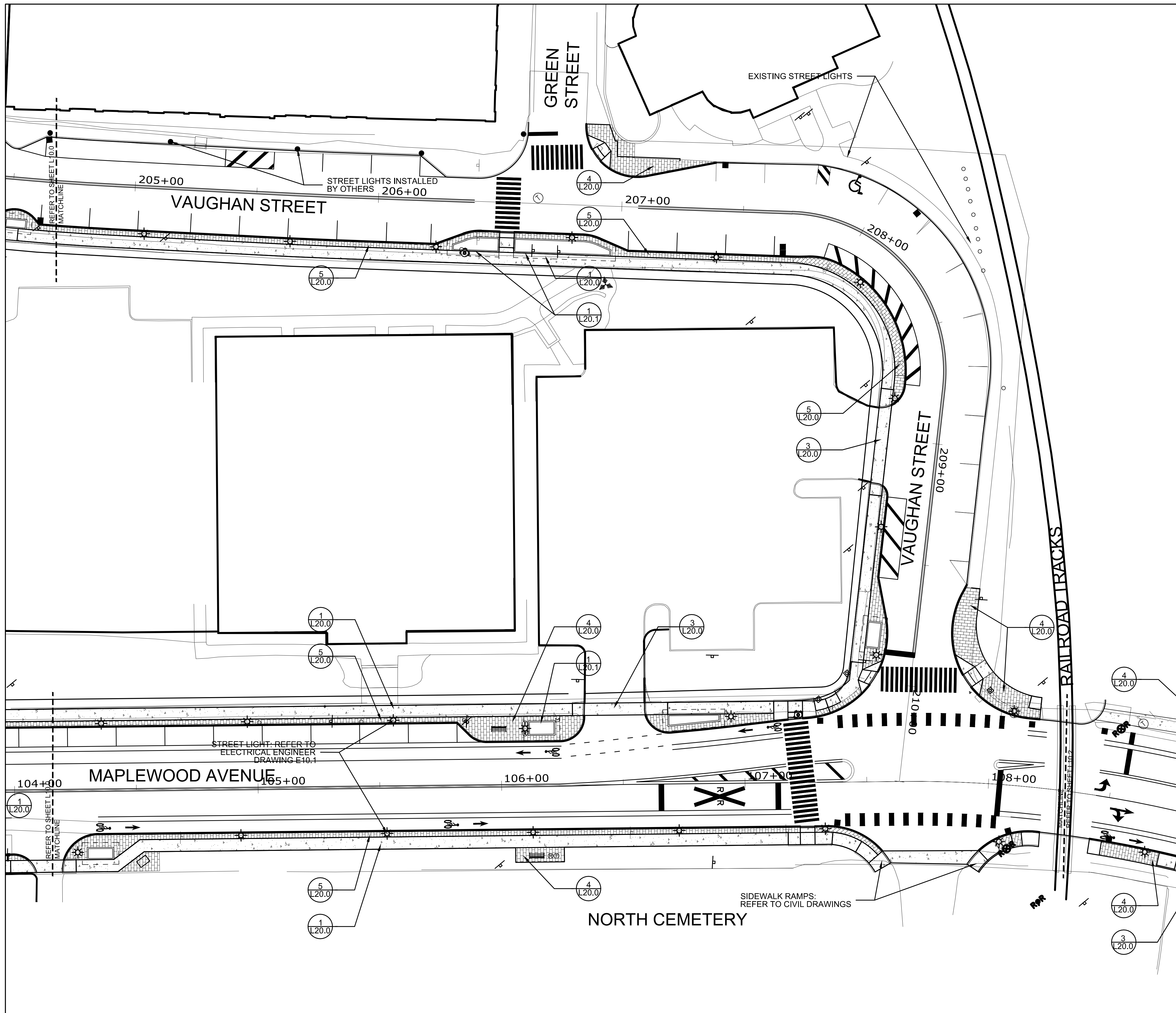
FOR HARDSCAPE INFORMATION, REFER TO SHEET L-10.1  
 FOR PLANTINGS INFORMATION, REFER TO SHEET L-30.1  
 FOR STREET LIGHTING INFORMATION, REFER TO SHEET E-10.1

FOR HARDSCAPE INFORMATION, REFER TO SHEET L-10.2  
 FOR PLANTINGS INFORMATION, REFER TO SHEET L-30.2  
 FOR STREET LIGHTING INFORMATION, REFER TO SHEET E-10.2

FOR HARDSCAPE AND INFORMATION, REFER TO SHEET L-10.3  
 FOR PLANTINGS INFORMATION, REFER TO SHEET L-30.3  
 FOR STREET LIGHTING INFORMATION, REFER TO SHEET E-10.3

FOR HARDSCAPE INFORMATION, REFER TO SHEET L-10.4  
 FOR PLANTINGS INFORMATION, REFER TO SHEET L-30.4  
 FOR STREET LIGHTING INFORMATION, REFER TO SHEET E-10.4





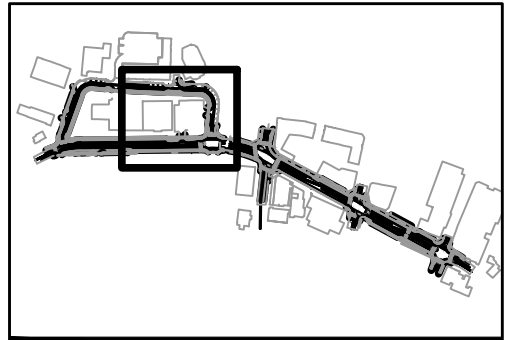
**MATERIAL LEGEND**

SYMBOL	DESCRIPTION	QTY
Ⓧ	TRASH RECEPTACLE	..
Ⓡ	RECYCLE RECEPTACLE	..
—	BICYCLE RACK	..
▬	BENCH	..
▨	BRICK PAVERS	..
▩	CONCRETE PAVEMENT	..
⊞	LIMITS OF TREE ROOT CELL BELOW GRADE	..
⊞	TREE GRATE WITH TREE ROOT CELL	..
⊞	TREE WITH GRANITE PLANTER AND TREE ROOT CELL	..
⊞	RAISED GRANITE CURB PLANTER	..
☀	STREET LIGHT POLE AND FIXTURE (NEW AND RELOCATED)	..



**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location  
Harriman Project No. 17397  
Key Plan Project North



Issues and Revisions

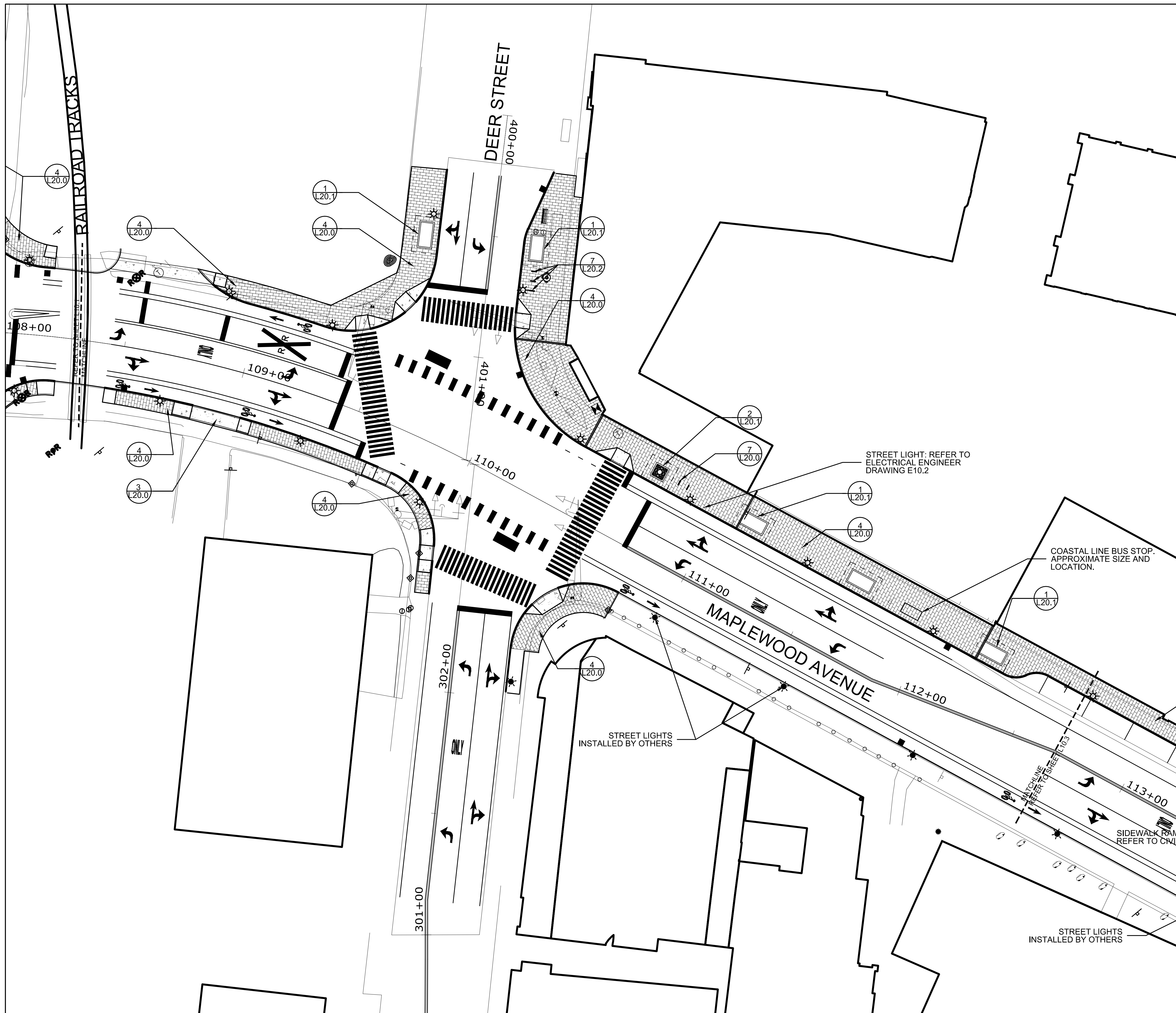
Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales


PA / PE: SGC © 2019  
Drawn By: HAS Harriman Associates

**HARDSCAPE PLAN**

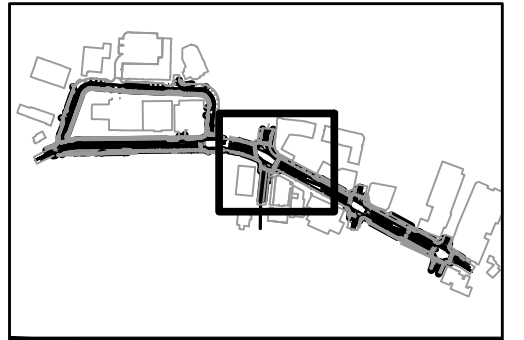


MATERIAL LEGEND		
SYMBOL	DESCRIPTION	QTY
Ⓣ	TRASH RECEPTACLE	--
Ⓜ	RECYCLE RECEPTACLE	--
—	BICYCLE RACK	--
▬	BENCH	--
▨	BRICK PAVERS	--
▩	CONCRETE PAVEMENT	--
⋯	LIMITS OF TREE ROOT CELL BELOW GRADE	--
⊠	TREE GRATE WITH TREE ROOT CELL	--
⊞	TREE WITH GRANITE PLANTER AND TREE ROOT CELL	--
⊞	RAISED GRANITE CURB PLANTER	--
☀	STREET LIGHT POLE AND FIXTURE (NEW AND RELOCATED)	--



**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location  
 Harriman Project No. 17397  
 Key Plan Project North



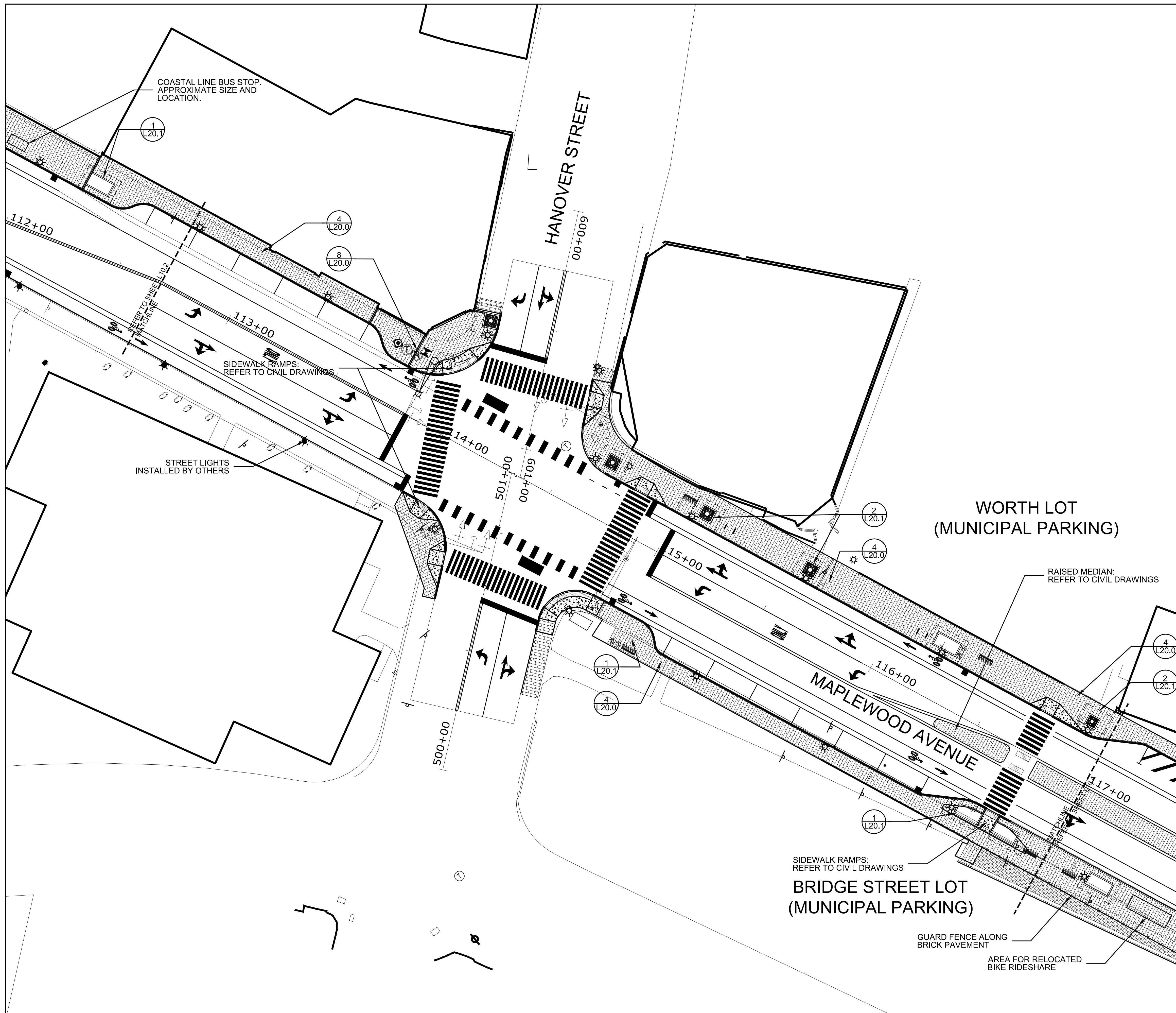
Issues and Revisions	
Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales	

PA / PE: SGC © 2019  
 Drawn By: HAS Harriman Associates

**HARDSCAPE PLAN**

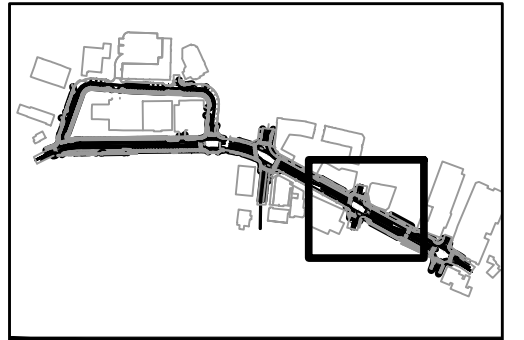


SYMBOL	DESCRIPTION	QTY
Ⓣ	TRASH RECEPTACLE	..
Ⓡ	RECYCLE RECEPTACLE	..
—	BICYCLE RACK	..
▬	BENCH	..
▨	BRICK PAVERS	..
▩	CONCRETE PAVEMENT	..
⋯	LIMITS OF TREE ROOT CELL BELOW GRADE	..
⊠	TREE GRATE WITH TREE ROOT CELL	..
⊞	TREE WITH GRANITE PLANTER AND TREE ROOT CELL	..
◻	RAISED GRANITE CURB PLANTER	..
☼	STREET LIGHT POLE AND FIXTURE (NEW AND RELOCATED)	..



**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location  
 Harriman Project No. 17397  
 Key Plan Project North



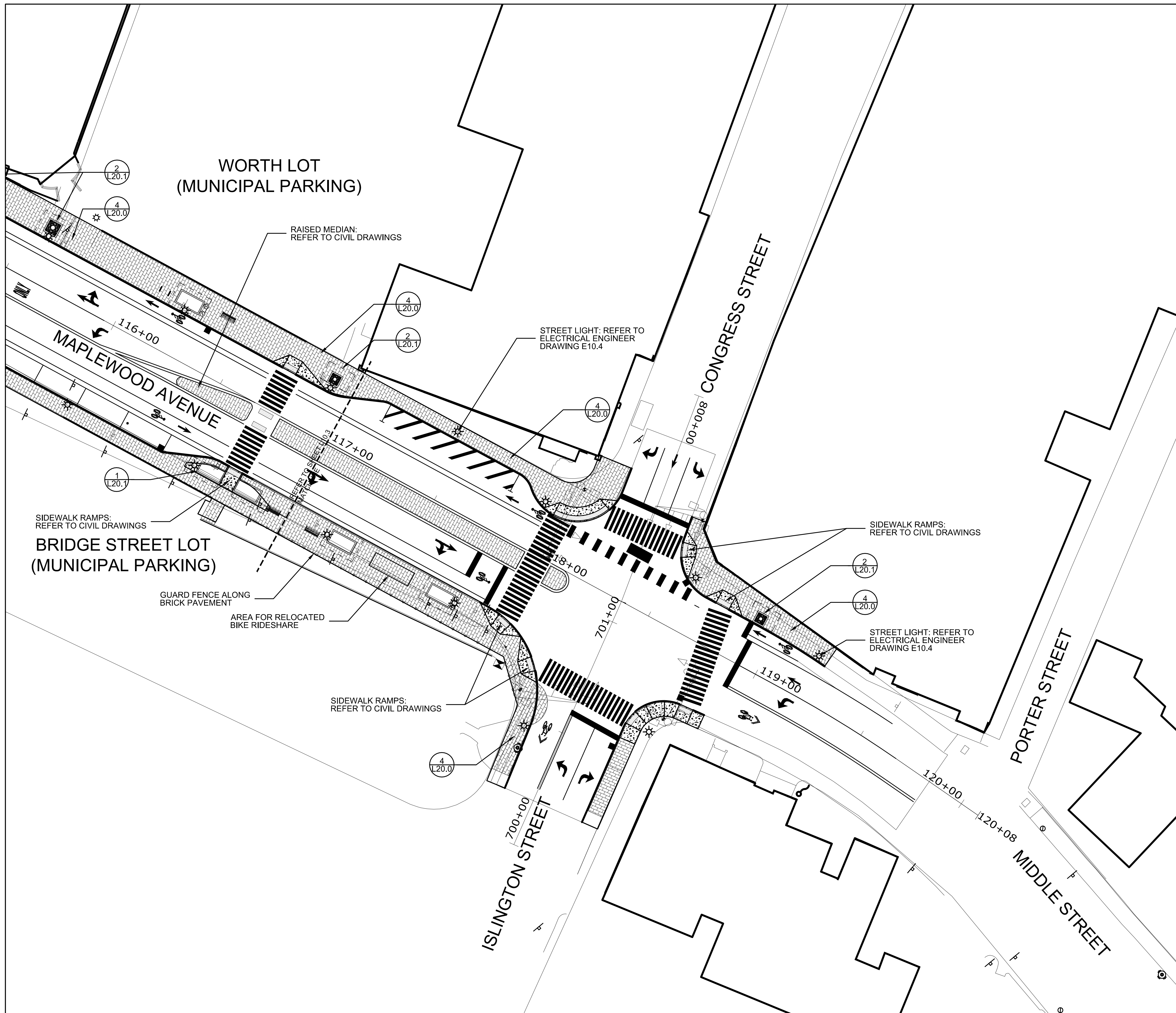
Issues and Revisions	
Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales	

PA / PE: SGC  
 Drawn By: HAS © 2019 Harriman Associates

**HARDSCAPE PLAN**



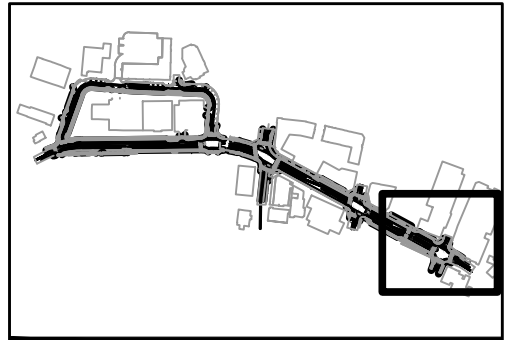
**MATERIAL LEGEND**

SYMBOL	DESCRIPTION	QTY
Ⓣ	TRASH RECEPTACLE	--
Ⓡ	RECYCLE RECEPTACLE	--
—	BICYCLE RACK	--
▬	BENCH	--
▨	BRICK PAVERS	--
▩	CONCRETE PAVEMENT	--
⊞	LIMITS OF TREE ROOT CELL BELOW GRADE	--
⊞	TREE GRATE WITH TREE ROOT CELL	--
⊞	TREE WITH GRANITE PLANTER AND TREE ROOT CELL	--
⊞	RAISED GRANITE CURB PLANTER	--
☀	STREET LIGHT POLE AND FIXTURE (NEW AND RELOCATED)	--



**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location  
 Harriman Project No. 17397  
 Key Plan Project North



Issues and Revisions

Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales


PA / PE: SGC  
 Drawn By: HAS  
 © 2019 Harriman Associates

**HARDSCAPE PLAN**

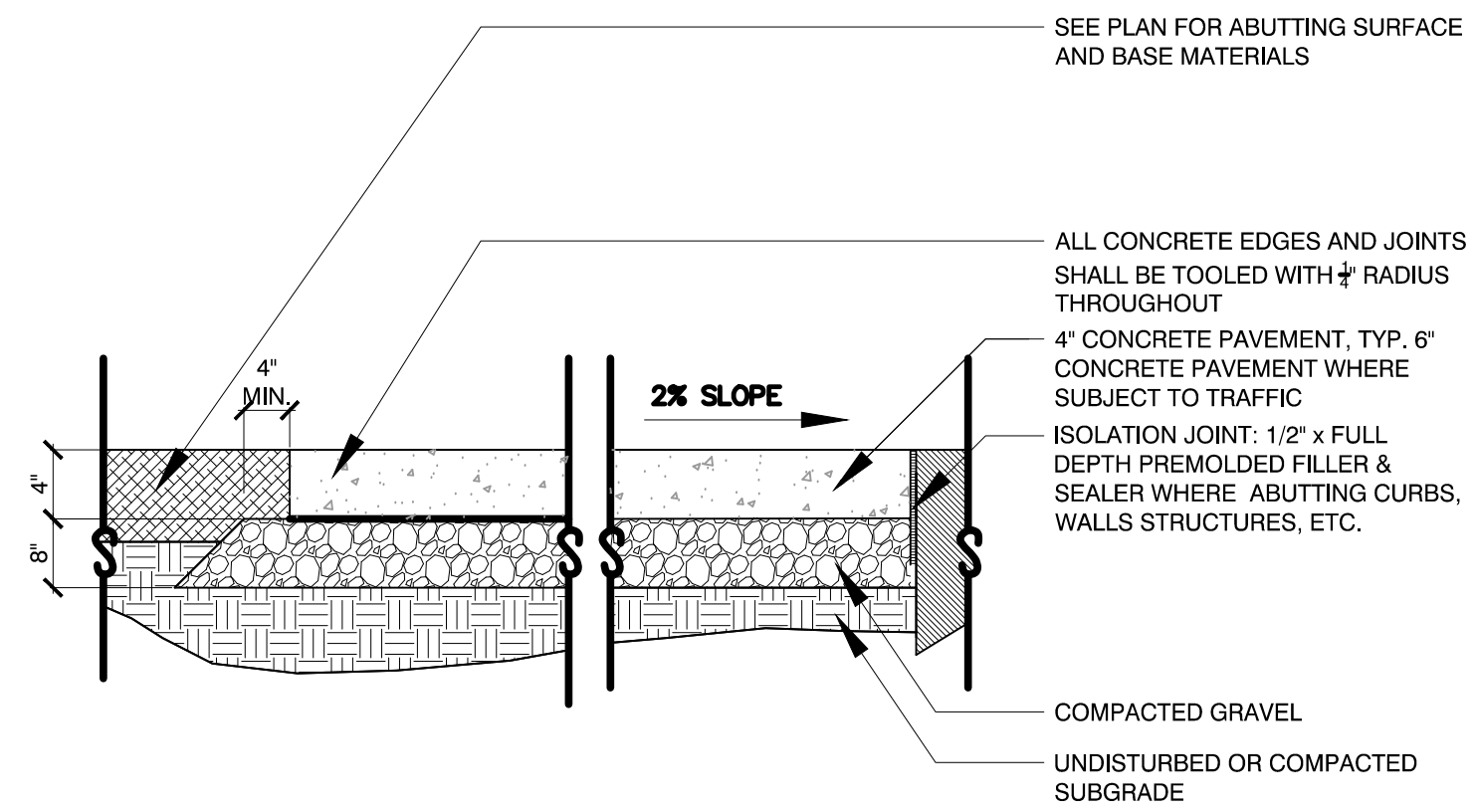


HARRIMAN

AUBURN PORTLAND PORTSMOUTH BOSTON

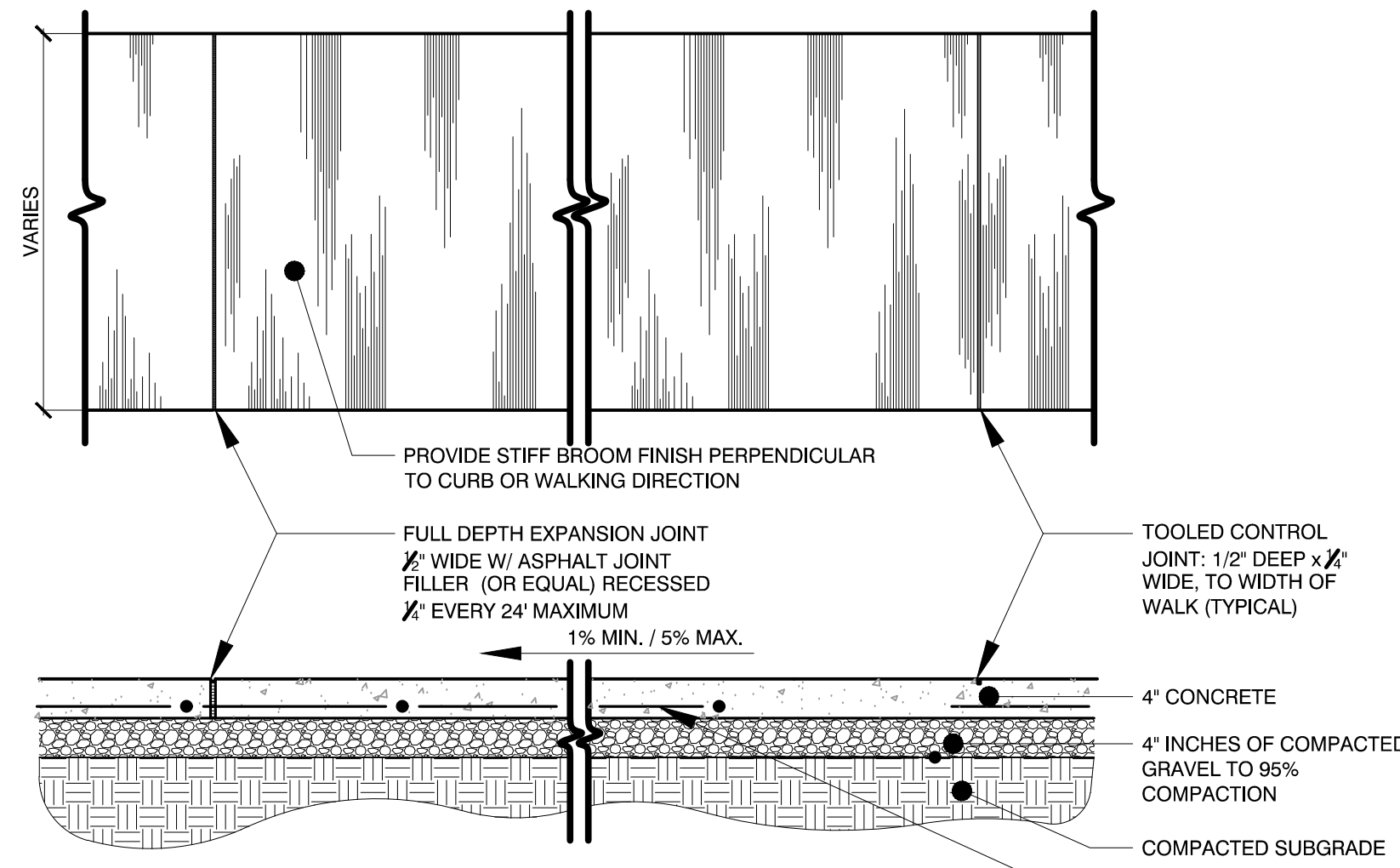
MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

Project Location  
Harriman Project No. 17397  
Key Plan



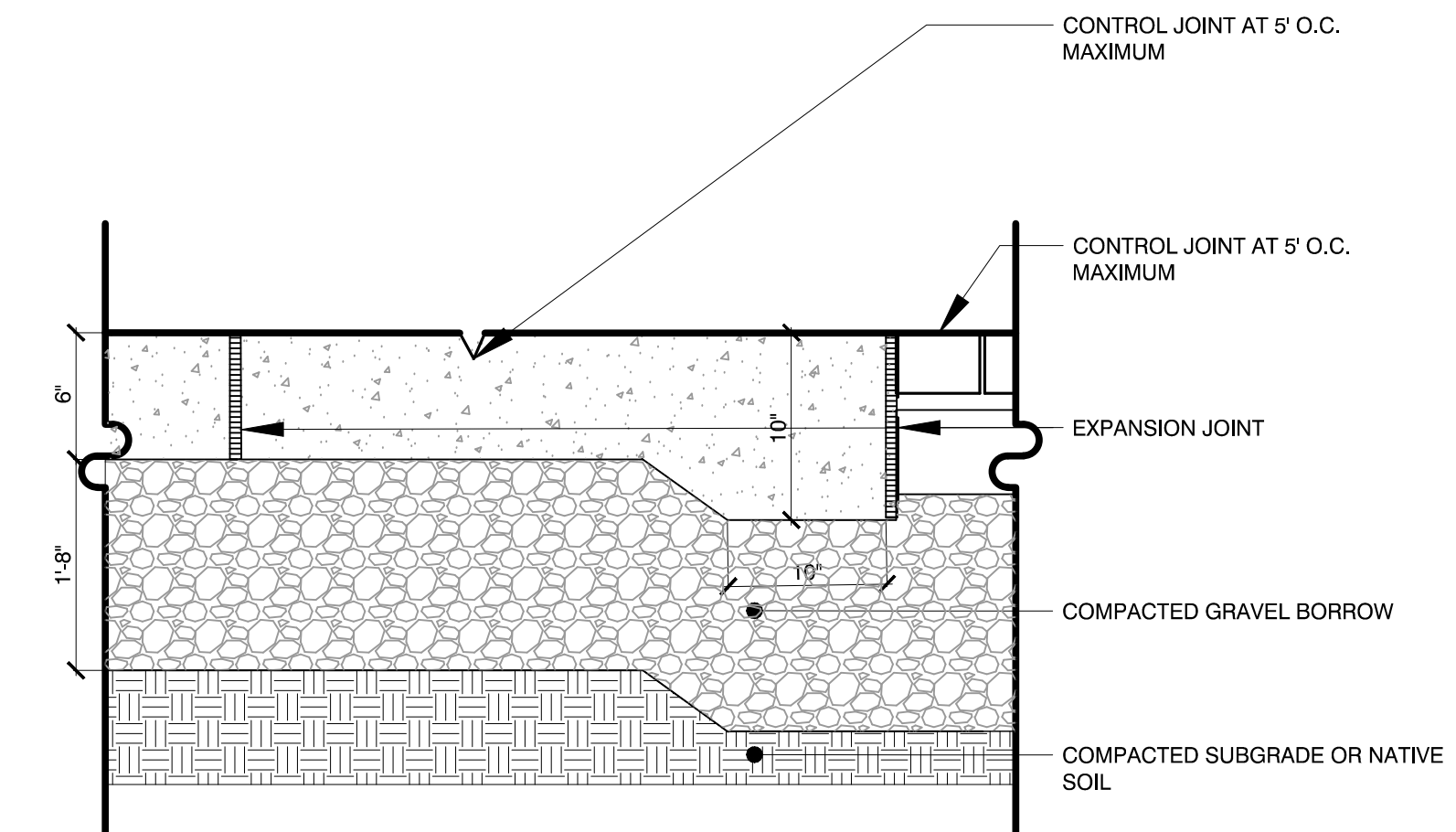
NOTE:  
REFER TO PLANS & SUPPLEMENTARY DETAILS FOR LOCATIONS & DETAILING OF EXPANSION, CONSTRUCTION AND CONTRACTION JOINTS.

1 CONCRETE PEDESTRIAN PAVEMENT  
Scale: Not to Scale

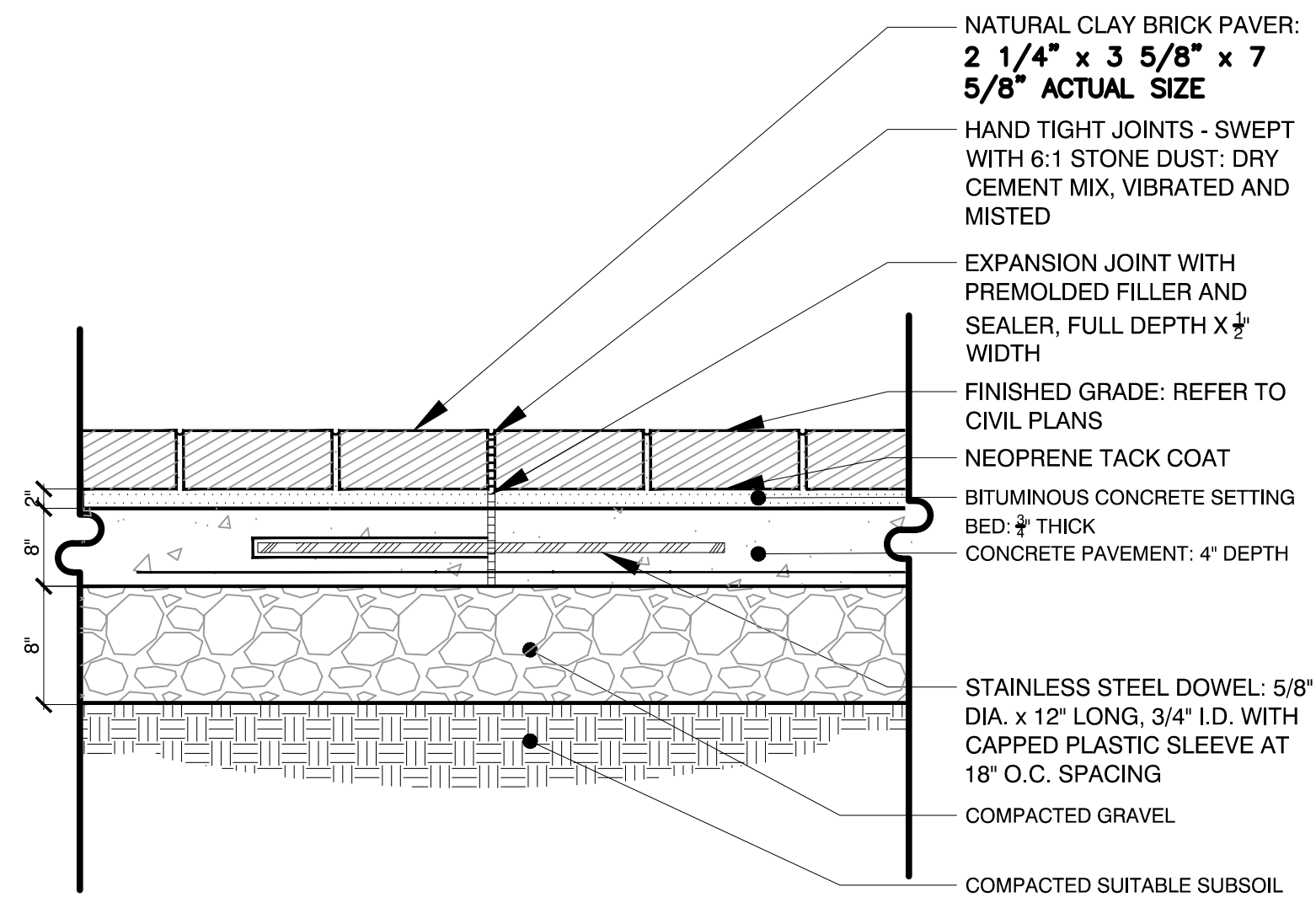


NOTE:  
1. VERIFY WALKWAYS WITH ENGINEERS PLANS PRIOR TO CONSTRUCTION.  
2. WALKWAYS: CEMENT CONCRETE SHALL BE A MINIMUM OF 4,000 PSI TYPE II.  
3. TWO SAMPLE PANELS SHALL BE PROVIDED FOR DETAILED SCORING WITH THE PLAZA. SEE SPECIFICATIONS.

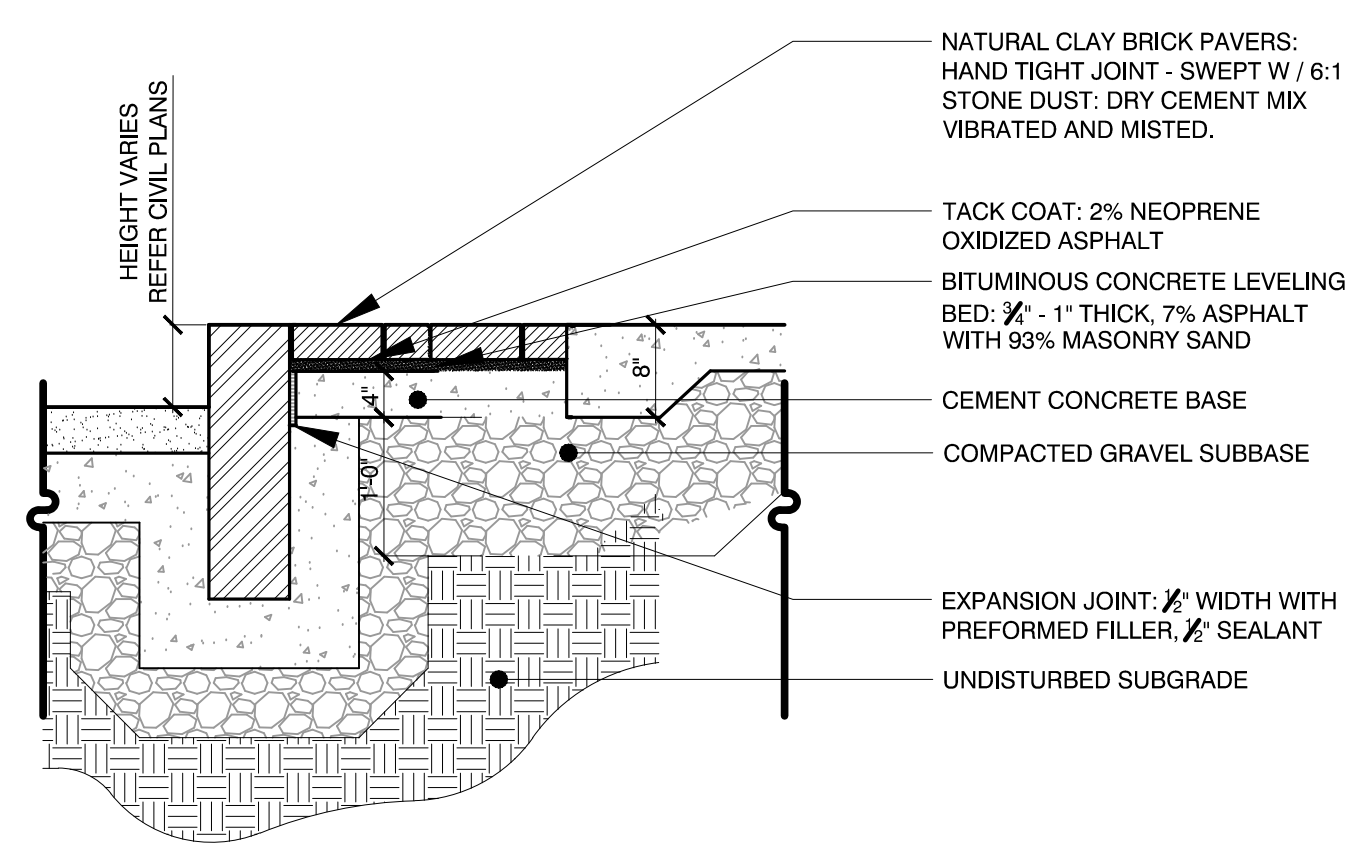
2 CONCRETE PEDESTRIAN PAVEMENT: JOINTS AND FINISH  
Scale: Not to Scale



3 VEHICULAR CONCRETE  
Scale: Not to Scale



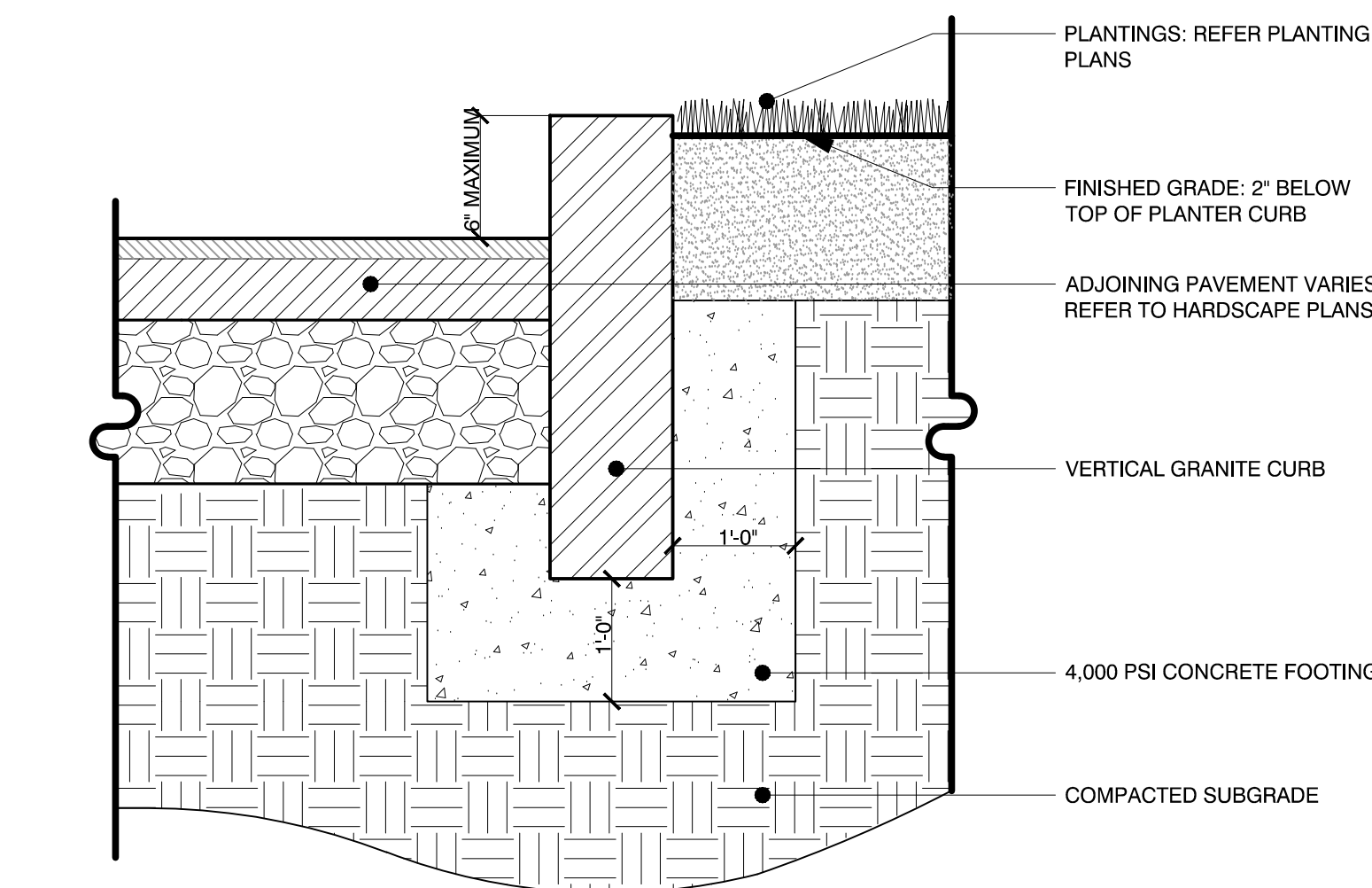
4 BRICK PAVEMENT WITH CONCRETE BASE  
Scale: Not to Scale



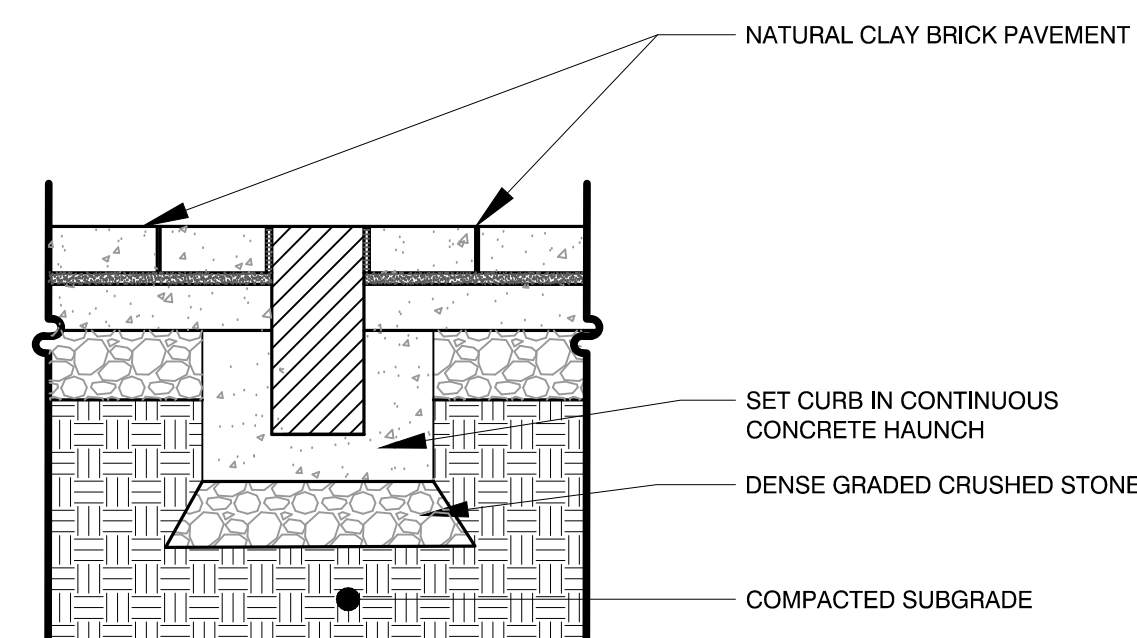
NOTES:  
1. SAWCUT BRICKS NEATLY IN RADIAL PATTERN TO MAINTAIN A 1/2 GAP AT CURVES.

5 BRICK ACCENT BAND  
Scale: Not to Scale

6 NOT USED  
Scale: Not To Scale



7 VERTICAL GRANITE CURB AT RAISED PLANTER  
Scale: Not to Scale



8 FLUSH GRANITE CURB  
Scale: Not to Scale

Issues and Revisions table with columns for Date and Description.

PRELIMINARY NOT FOR CONSTRUCTION

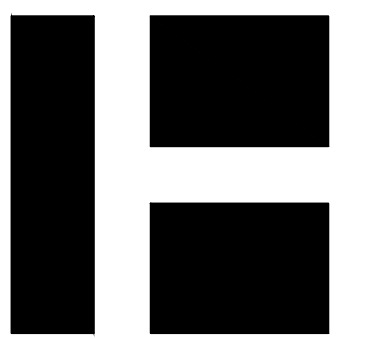
Table for Drawing Scales, PA/PE, and Drawn By information.

PAVEMENT DETAILS

L20.0







HARRIMAN

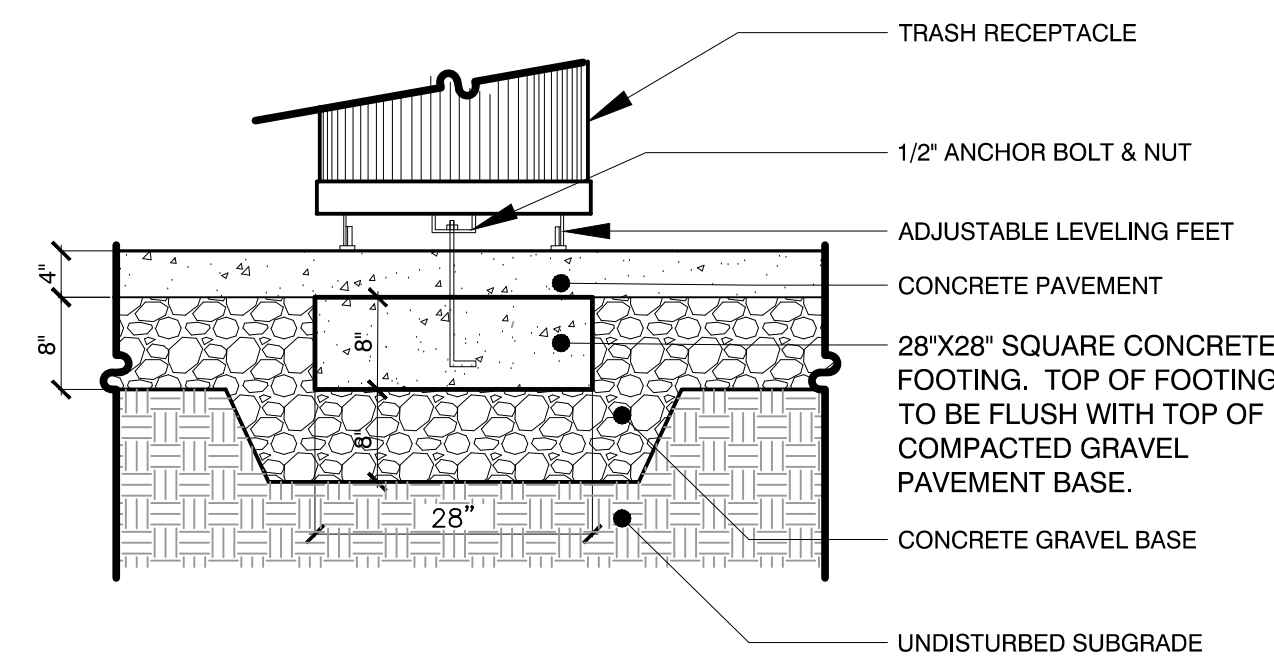
ALBURN PORTLAND PORTSMOUTH BOSTON

MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

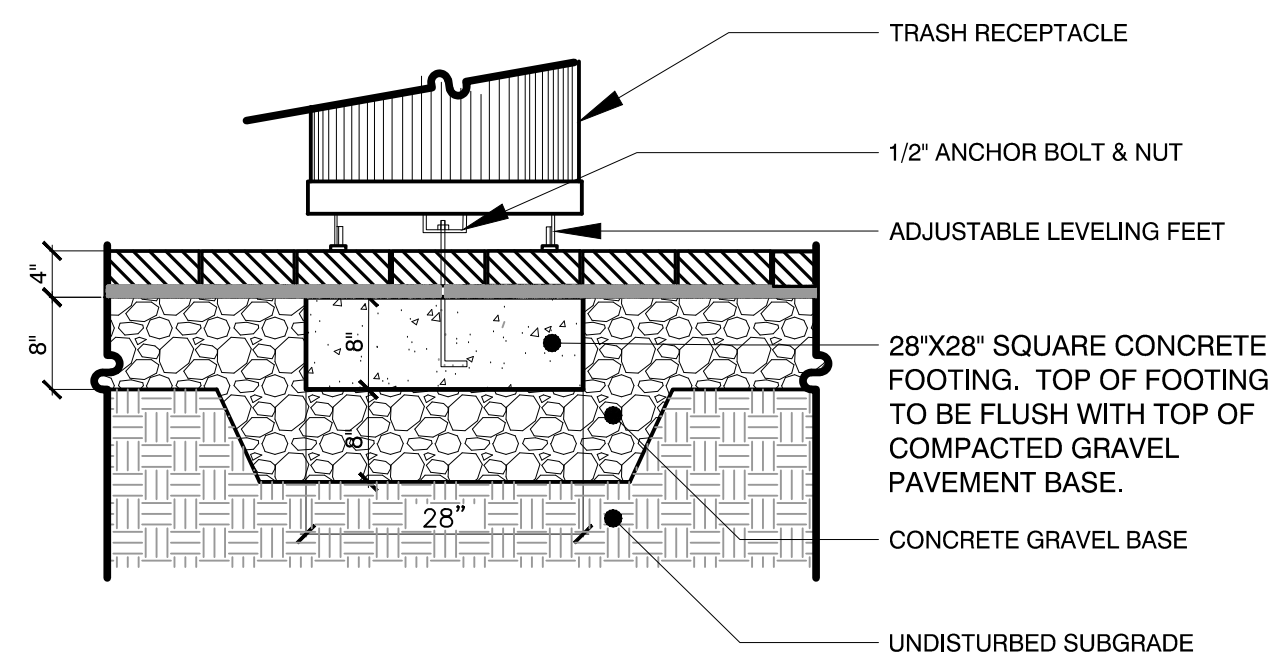
Project Location

Harriman Project No. 17397

Key Plan

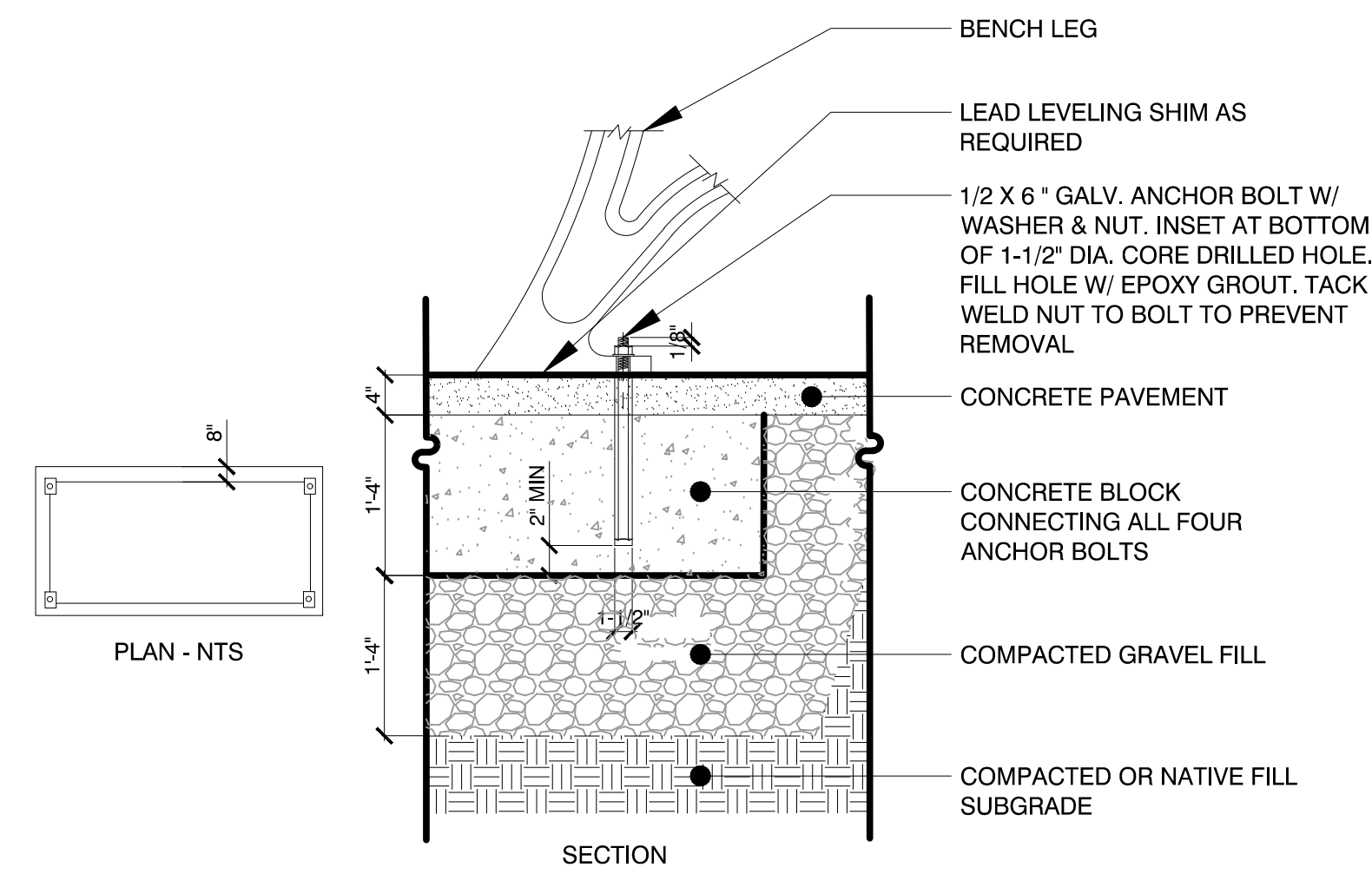


1 TRASH RECEPTACLE AT CONCRETE PAVEMENT  
Scale: Not to Scale

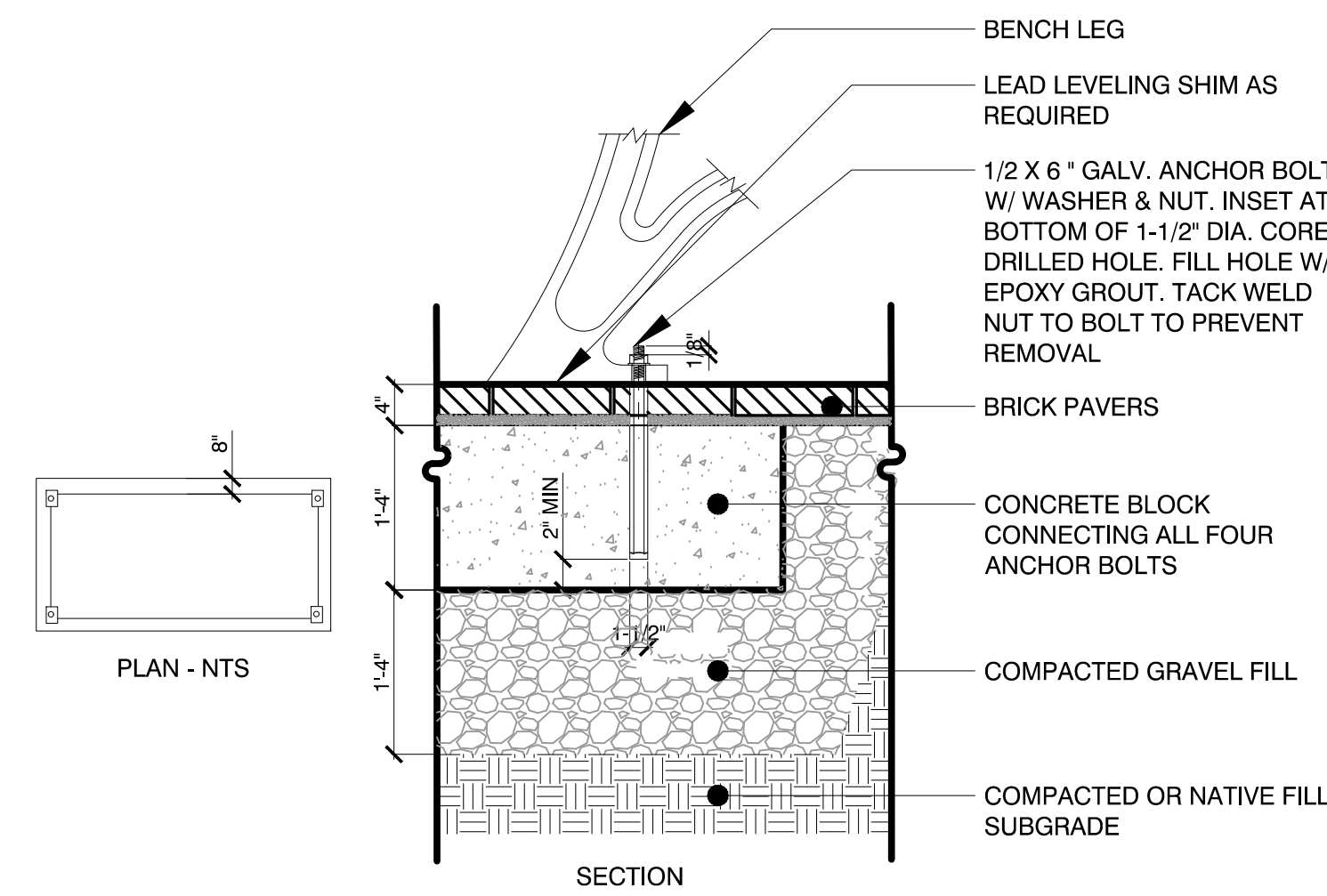


2 TRASH RECEPTACLE AT BRICK PAVEMENT  
Scale: Not to Scale

3 NOT USED  
Scale: Not To Scale

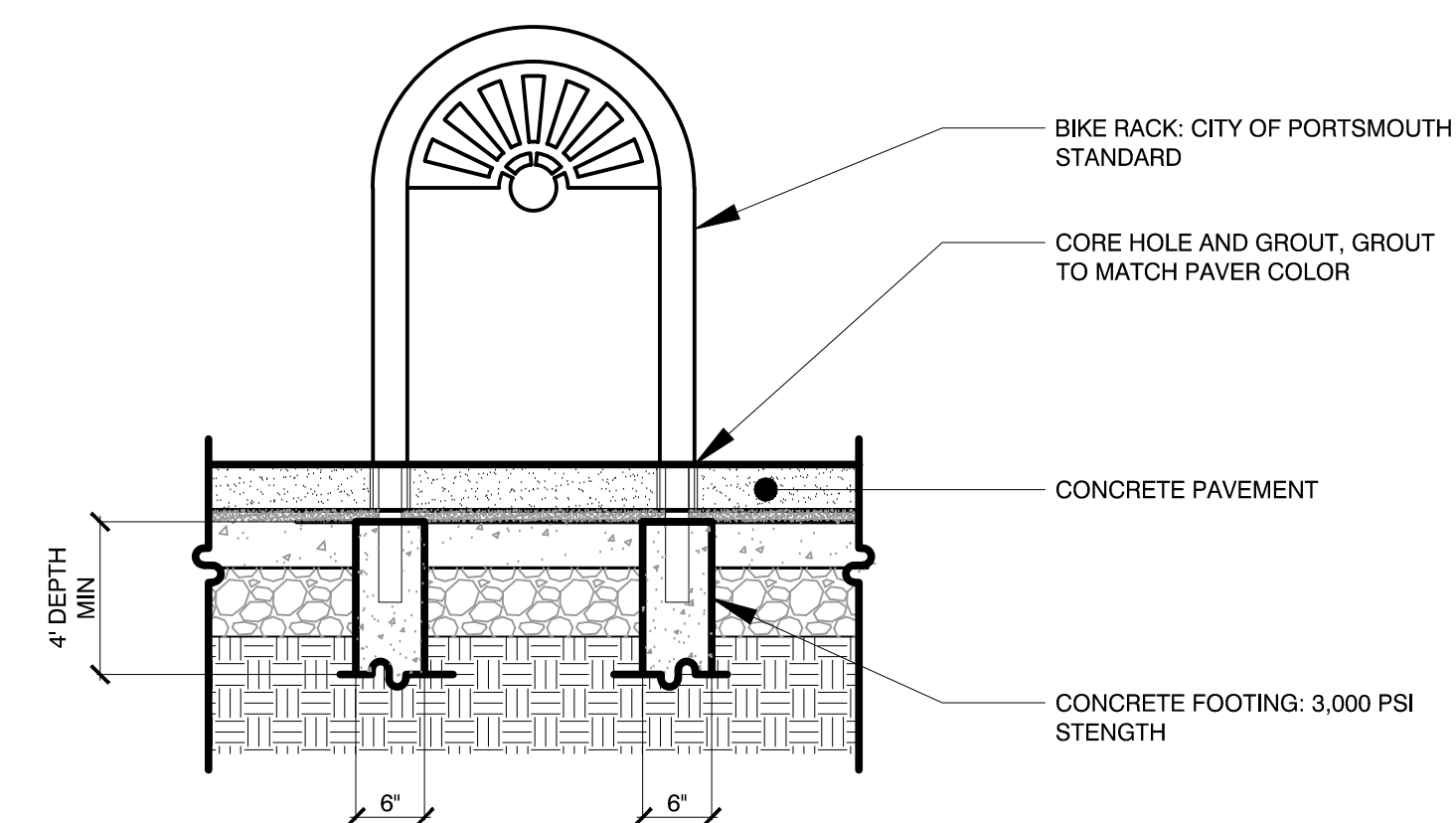


4 BENCH ATTACHMENT AT CONCRETE  
Scale: Not to Scale



5 BENCH ATTACHMENT AT BRICK PAVEMENT  
Scale: Not to Scale

6 NOT USED  
Scale: Not To Scale



7 BICYCLE RACK  
Scale: Not to Scale

Issues and Revisions

Date Description

05-31-19 60% PRELIMINARY DESIGN SUBMISSION

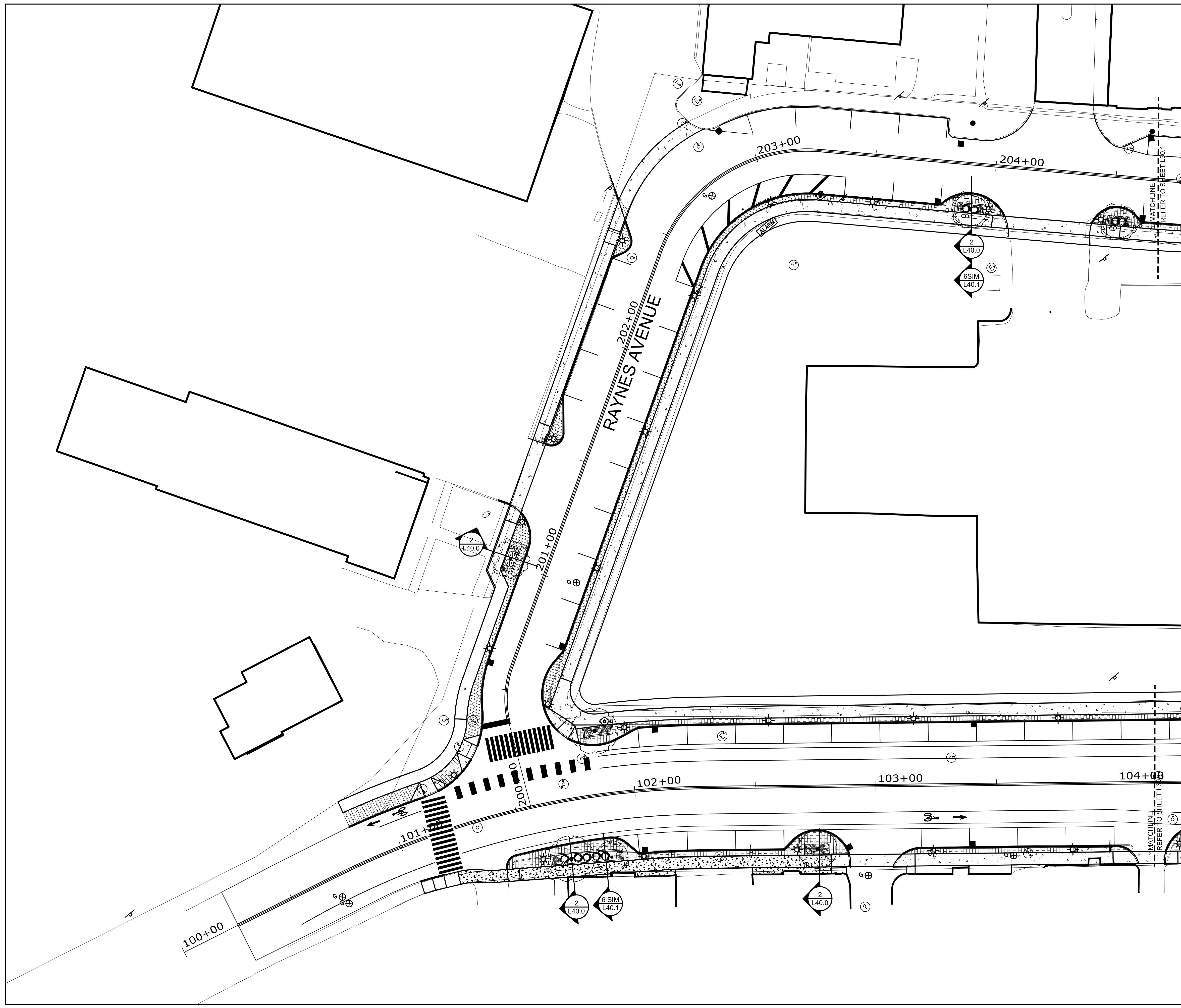

PRELIMINARY NOT FOR CONSTRUCTION

Drawing Scales


PA / PE: SGC  
Drawn By: HAS © 2019 Harriman Associates

SITE FURNISHINGS DETAILS

L20.2



**PLANT LEGEND**

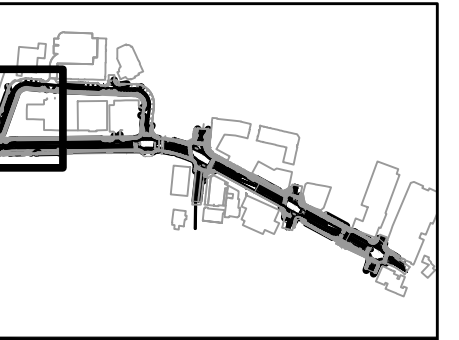
SHADE TREES	SIZE	NOTES	QTY
Acer rubrum October Glory	2.0' - 2.5' Cal.	Zone: 3	--
October Glory Red Maple		Fall Plant Hazard	
Carpinus caroliniana American Hornbeam	2.0' - 2.5' Cal.	Zone: 3a	--
		Fall Plant Hazard	
Nyssa sylvatica var. Marshall Blackgum, Tuplo	2.0' - 2.5' Cal.	Zone: 3	--
		Fall Plant Hazard	
FLOWERING TREES	SIZE	NOTES	QTY
Amelanchier arborea Downey Serviceberry	1.5' - 2.0' Cal.	Zone: 4	--
		Salt: Moderate	
ORNAMENTAL TREES	SIZE	NOTES	QTY
Liquidambar styraciflua Sweetgum (Male)	1.5' - 2.0' Cal.	Zone: 3b	--
		Fall Plant Hazard	
Maackia amurensis Amur Maackia	1.5' - 2.0' Cal.	Zone: 3	--
		Salt: Tolerant	
DECIDUOUS SHRUBS	SIZE	NOTES	QTY
Rhus aromatica 'Gro-low' Fragrant Sumac (Dwarf)	#SP2	Zone: 3	--
		Salt: Tolerant	
EVERGREEN SHRUBS	SIZE	NOTES	QTY
Kalmia latifolia Mountain Laurel	#SP3	Zone: 3	--
		Salt: Tolerant	
Taxus canadensis Canada Yew	#SP3	Zone: 2	--
		Salt: Tolerant	
GROUNDCOVERS	SIZE	NOTES	QTY
Arctostaphylos uva-ursi Kinnikinnick	#SP2	Zone: 2	--
		Salt: Tolerant	
PERENNIALS	SIZE	NOTES	QTY
Coreopsis grandiflora Large Flowered Tickseed	#SP1	Zone: 4a	--
		Salt: Tolerant	
Helianthus salicifolius Table Mountain Helianthus	#SP1	Zone: 5	--
		Salt: Tolerant	
Hemerocallis lilioasphodelus Lemon Lily	#SP1	Zone: 4	--
		Salt: Tolerant	
Astible var. 'Snowdrift' Snowdrift Astible	#SP1	Zone: 4	--
		Salt: Tolerant	
Rudbeckia trioba Black-eyed Susan	#SP1	Zone: 4a	--
		Salt: Tolerant	
LANDSCAPE MATERIALS	SIZE	NOTES	QTY
Bark Mulch	3" depth	-- S.F.	
Shredded Organic Bark Mulch		All planting areas	

- Not all plant material shown will be used. Final plant material selection and quantities dependent on conformance to, and approval by, local and state regulations and agencies.
- Plant material specified shall conform to ANLA American Standard for Nursery Stock, ANSI Z60.1 current edition.



**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

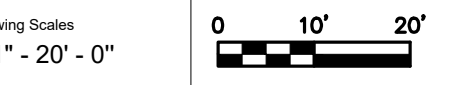
Project Location  
Harriman Project No. 17397



Issues and Revisions

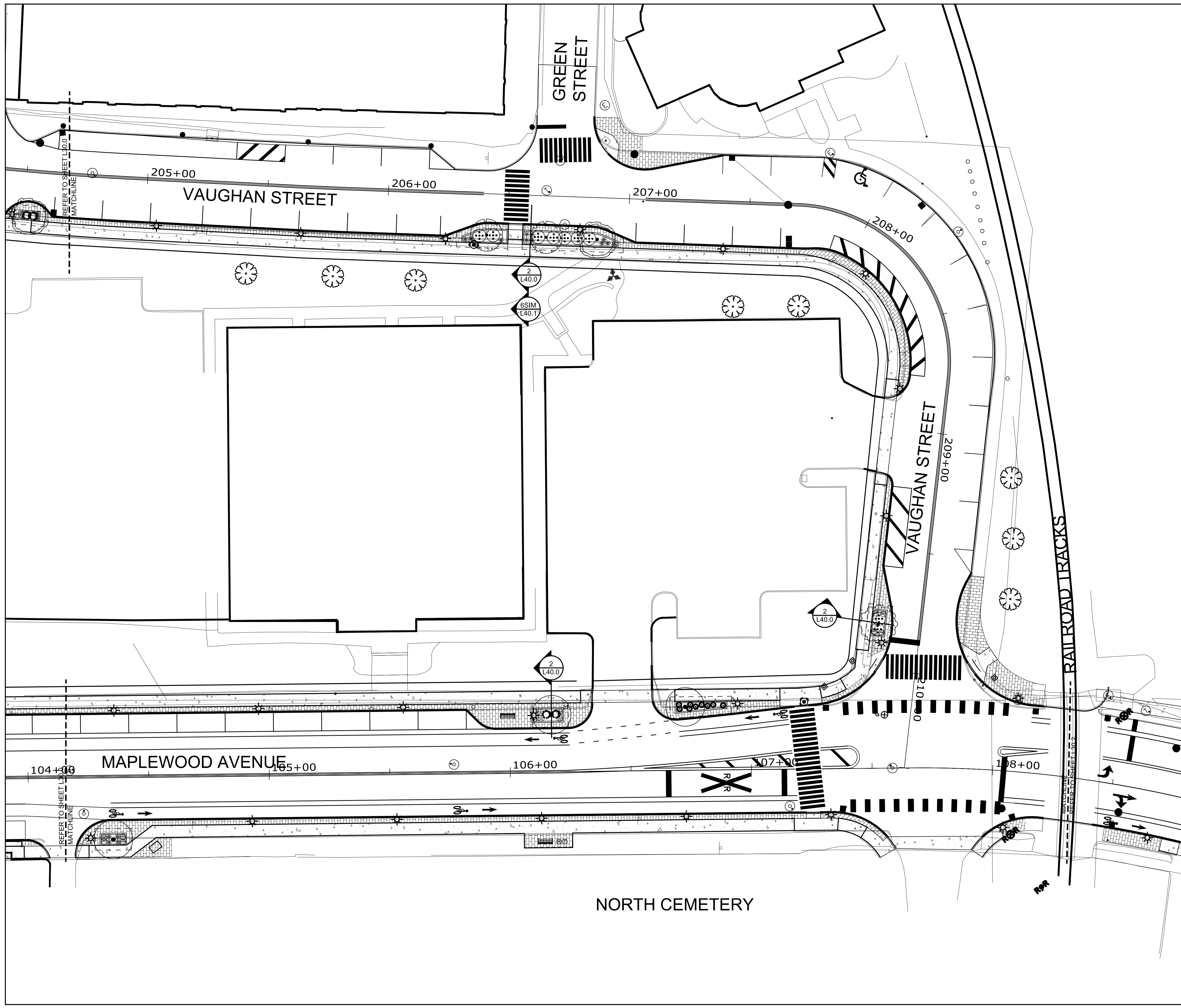
Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

**PRELIMINARY NOT FOR CONSTRUCTION**



PA / PE: SGC  
Drawn By: HAS © 2019 Harriman Associates

**PANTING PLAN**



**PLANT LEGEND**

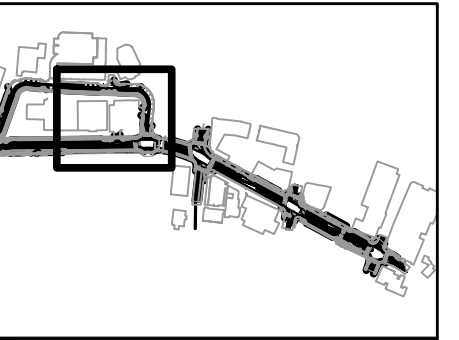
SHADE TREES	SIZE	NOTES	QTY
Acer rubrum October Glory	2.0' - 2.5' Cal.	Zone: 3	--
October Glory Red Maple		Fall Plant Hazard	
Carpinus caroliniana American Hornbeam	2.0' - 2.5' Cal.	Zone: 3a	--
		Fall Plant Hazard	
Nyssa sylvatica var. Marshall Blackgum, Tupelo	2.0' - 2.5' Cal.	Zone: 3	--
		Fall Plant Hazard	
FLOWERING TREES	SIZE	NOTES	QTY
Amelanchier arborea Downey Serviceberry	1.5' - 2.0' Cal.	Zone: 4	--
		Salt: Moderate	
ORNAMENTAL TREES	SIZE	NOTES	QTY
Liquidambar styraciflua Sweetgum (Male)	1.5' - 2.0' Cal.	Zone: 3b	--
		Fall Plant Hazard	
Maackia amurensis Amur Maackia	1.5' - 2.0' Cal.	Zone: 3	--
		Salt: Tolerant	
DECIDUOUS SHRUBS	SIZE	NOTES	QTY
Rhus aromatica 'Gro-low' Fragrant Sumac (Dwarf)	#SP2	Zone: 3	--
		Salt: Tolerant	
EVERGREEN SHRUBS	SIZE	NOTES	QTY
Kalmia latifolia Mountain Laurel	#SP3	Zone: 3	--
		Salt: Tolerant	
Taxus canadensis Canada Yew	#SP3	Zone: 2	--
		Salt: Tolerant	
GROUNDCOVERS	SIZE	NOTES	QTY
Arctostaphylos uva-ursi Kinnikinnick	#SP2	Zone: 2	--
		Salt: Tolerant	
PERENNIALS	SIZE	NOTES	QTY
Coreopsis grandiflora Large Flowered Tickseed	#SP1	Zone: 4a	--
		Salt: Tolerant	
Helianthus salicifolius Table Mountain Helianthus	#SP1	Zone: 5	--
		Salt: Tolerant	
Hemerocallis lilioasphodelus Lemon Lily	#SP1	Zone: 4	--
		Salt: Tolerant	
Astible var. 'Snowdrift' Snowdrift Astible	#SP1	Zone: 4	--
		Salt: Tolerant	
Rudbeckia trioba Black-eyed Susan	#SP1	Zone: 4a	--
		Salt: Tolerant	
LANDSCAPE MATERIALS	SIZE	NOTES	QTY
Bark Mulch	3" depth	--	S.F.
Shredded Organic Bark Mulch		All planting areas	

- Not all plant material shown will be used. Final plant material selection and quantities dependent on conformance to, and approval by, local and state regulations and agencies.
- Plant material specified shall conform to ANLA American Standard for Nursery Stock, ANSI Z60.1 current edition.



**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location  
Harriman Project No. 17397  
Key Plan Project North



Issues and Revisions

Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

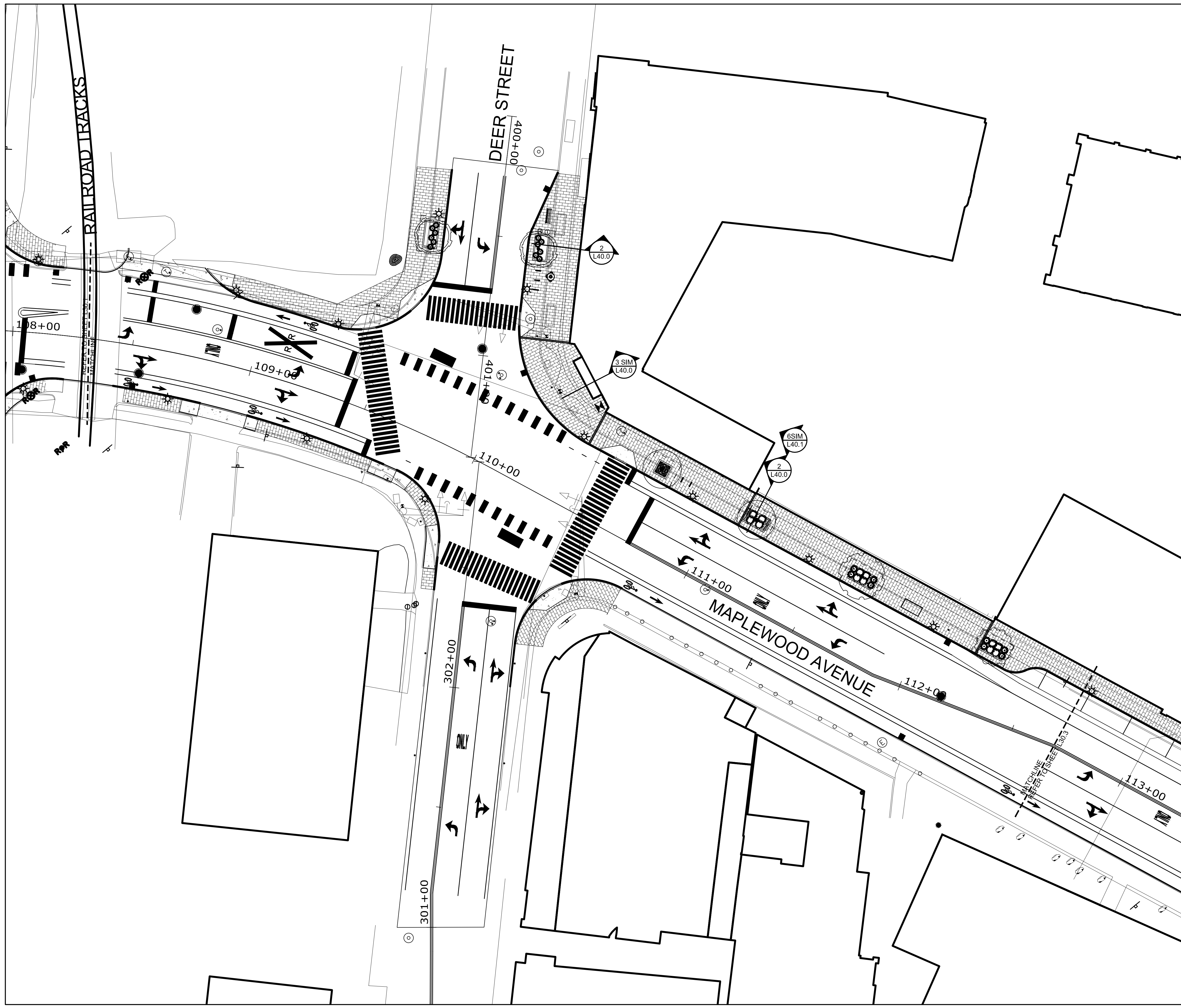
**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales

--	--

PA / PE: SGC  
Drawn By: HAS  
© 2019 Harriman Associates

**PANTING PLAN**



**PLANT LEGEND**

SHADE TREES	SIZE	NOTES	QTY
Acer rubrum October Glory	2.0' - 2.5' Cal.	Zone: 3	--
October Glory Red Maple		Fall Plant Hazard	
Carpinus caroliniana American Hornbeam	2.0' - 2.5' Cal.	Zone: 3a	--
Nyssa sylvatica var. Marshall Blackgum, Tuplo	2.0' - 2.5' Cal.	Zone: 3	--
Amelanchier arborea Downey Serviceberry	1.5' - 2.0' Cal.	Zone: 4	--
Liquidambar styraciflua Sweetgum (Male)	1.5' - 2.0' Cal.	Zone: 3b	--
Maackia amurensis Amur Maackia	1.5' - 2.0' Cal.	Zone: 3	--
Rhus aromatica 'Gro-low' Fragrant Sumac (Dwarf)	#SP2	Zone: 3	--
Kalmia latifolia Mountain Laurel	#SP3	Zone: 3	--
Taxus canadensis Canada Yew	#SP3	Zone: 2	--
Arctostaphylos uva-ursi Kinnikinnick	#SP2	Zone: 2	--
Coreopsis grandiflora Large Flowered Tickseed	#SP1	Zone: 4a	--
Helianthus salicifolius Table Mountain Helianthus	#SP1	Zone: 5	--
Hemerocallis lilioasphodelus Lemon Lily	#SP1	Zone: 4	--
Astible var. 'Snowdrift' Snowdrift Astible	#SP1	Zone: 4	--
Rudbeckia trioba Black-eyed Susan	#SP1	Zone: 4a	--
Bark Mulch	3" depth	--	S.F.
Shredded Organic Bark Mulch		All planting areas	

1. Not all plant material shown will be used. Final plant material selection and quantities dependent on conformance to, and approval by, local and state regulations and agencies.
2. Plant material specified shall conform to ANLA American Standard for Nursery Stock, ANSI Z60.1 current edition.

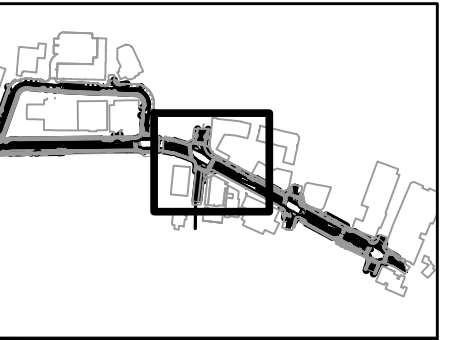
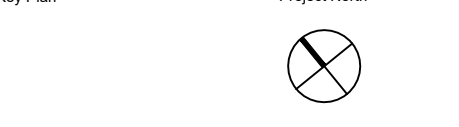


**HARRIMAN**

ALBURN PORTLAND PORTSMOUTH BOSTON

**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location  
Harriman Project No. 17397



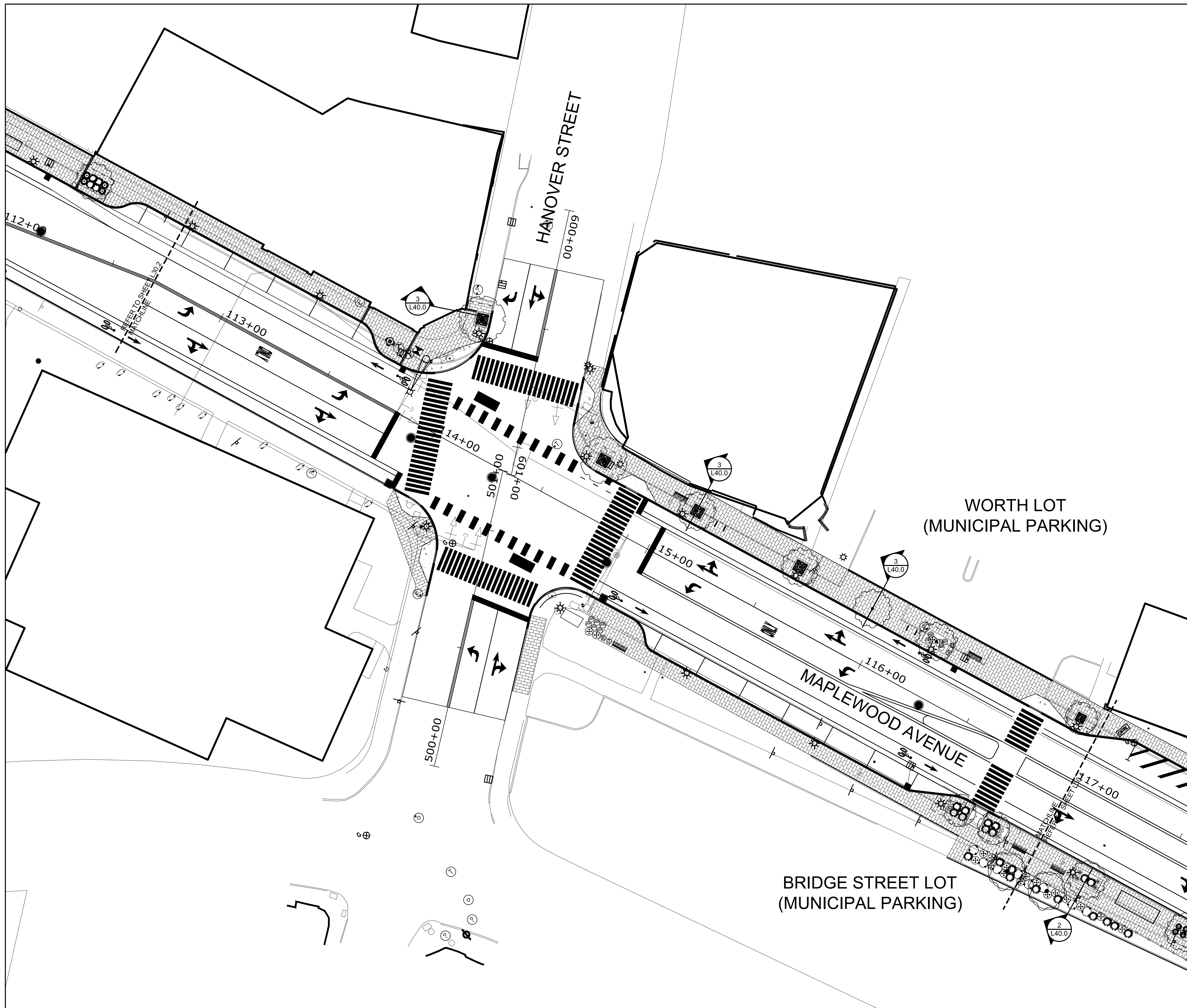
Issues and Revisions	
Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales	

PA / PE: SGC © 2019  
Drawn By: HAS Harriman Associates

**PANTING PLAN**



**PLANT LEGEND**

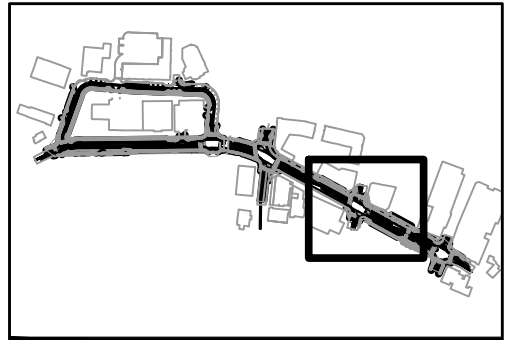
SHADE TREES	SIZE	NOTES	QTY
Acer rubrum October Glory	2.0' - 2.5' Cal.	Zone: 3	--
October Glory Red Maple		Fall Plant Hazard	
Carpinus caroliniana American Hornbeam	2.0' - 2.5' Cal.	Zone: 3a	--
		Fall Plant Hazard	
Nyssa sylvatica var. Marshall Blackgum, Tuplo	2.0' - 2.5' Cal.	Zone: 3	--
		Fall Plant Hazard	
FLOWERING TREES	SIZE	NOTES	QTY
Amelanchier arborea Downey Serviceberry	1.5' - 2.0' Cal.	Zone: 4	--
		Salt: Moderate	
ORNAMENTAL TREES	SIZE	NOTES	QTY
Liquidambar styraciflua Sweetgum (Male)	1.5' - 2.0' Cal.	Zone: 3b	--
		Fall Plant Hazard	
Maackia amurensis Amur Maackia	1.5' - 2.0' Cal.	Zone: 3	--
		Salt: Tolerant	
DECIDUOUS SHRUBS	SIZE	NOTES	QTY
Rhus aromatica 'Gro-low' Fragrant Sumac (Dwarf)	#SP2	Zone: 3	--
		Salt: Tolerant	
EVERGREEN SHRUBS	SIZE	NOTES	QTY
Kalmia latifolia Mountain Laurel	#SP3	Zone: 3	--
		Salt: Tolerant	
Taxus canadensis Canada Yew	#SP3	Zone: 2	--
		Salt: Tolerant	
GROUNDCOVERS	SIZE	NOTES	QTY
Arctostaphylos uva-ursi Kinnikinnick	#SP2	Zone: 2	--
		Salt: Tolerant	
PERENNIALS	SIZE	NOTES	QTY
Coreopsis grandiflora Large Flowered Tickseed	#SP1	Zone: 4a	--
		Salt: Tolerant	
Helianthus salicifolius Table Mountain Helianthus	#SP1	Zone: 5	--
		Salt: Tolerant	
Hemerocallis lilioasphodelus Lemon Lily	#SP1	Zone: 4	--
		Salt: Tolerant	
Astilbe var. 'Snowdrift' Snowdrift Astilbe	#SP1	Zone: 4	--
		Salt: Tolerant	
Rudbeckia trioba Black-eyed Susan	#SP1	Zone: 4a	--
		Salt: Tolerant	
LANDSCAPE MATERIALS	SIZE	NOTES	QTY
Bark Mulch	3" depth	--	S.F.
Shredded Organic Bark Mulch		All planting areas	

- Not all plant material shown will be used. Final plant material selection and quantities dependent on conformance to, and approval by, local and state regulations and agencies.
- Plant material specified shall conform to ANLA American Standard for Nursery Stock, ANSI Z60.1 current edition.



**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location  
 Harriman Project No. 17397  
 Key Plan Project North



Issues and Revisions

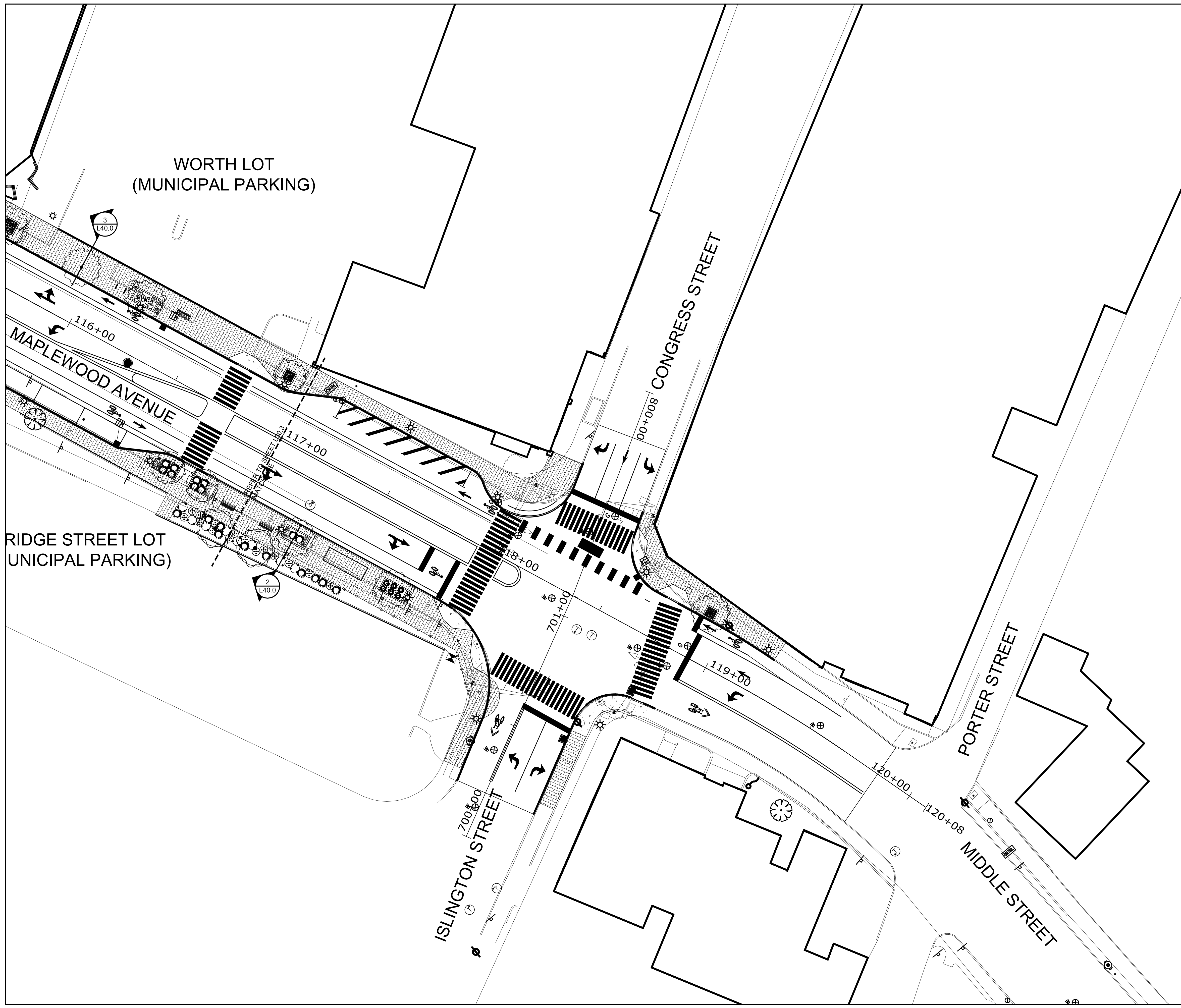
Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales


PA / PE: SGC  
 Drawn By: HAS  
 © 2019 Harriman Associates

**PANTING PLAN**



**PLANT LEGEND**

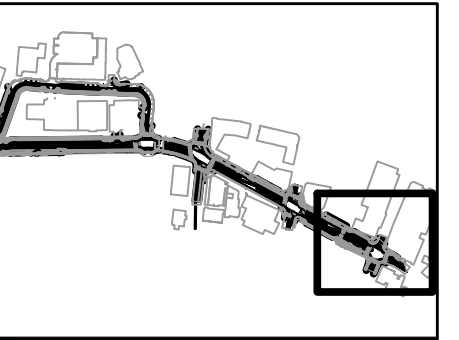
SHADE TREES	SIZE	NOTES	QTY
Acer rubrum October Glory	2.0' - 2.5' Cal.	Zone: 3	--
October Glory Red Maple		Fall Plant Hazard	
Carpinus caroliniana American Hornbeam	2.0' - 2.5' Cal.	Zone: 3a	--
Nyssa sylvatica var. Marshall Blackgum, Tuplo	2.0' - 2.5' Cal.	Zone: 3	--
Amelanchier arborea Downey Serviceberry	1.5' - 2.0' Cal.	Zone: 4	--
Liquidambar styraciflua Sweetgum (Male)	1.5' - 2.0' Cal.	Zone: 3b	--
Maackia amurensis Amur Maackia	1.5' - 2.0' Cal.	Zone: 3	--
Rhus aromatica 'Gro-low' Fragrant Sumac (Dwarf)	#SP2	Zone: 3	--
Kalmia latifolia Mountain Laurel	#SP3	Zone: 3	--
Taxus canadensis Canada Yew	#SP3	Zone: 2	--
Arctostaphylos uva-ursi Kinnikinnick	#SP2	Zone: 2	--
Coreopsis grandiflora Large Flowered Tickseed	#SP1	Zone: 4a	--
Helianthus salicifolius Table Mountain Helianthus	#SP1	Zone: 5	--
Hemerocallis lilioasphodelus Lemon Lily	#SP1	Zone: 4	--
Astible var. 'Snowdrift' Snowdrift Astible	#SP1	Zone: 4	--
Rudbeckia trioba Black-eyed Susan	#SP1	Zone: 4a	--
Bark Mulch	3" depth	--	S.F.
Shredded Organic Bark Mulch		All planting areas	

1. Not all plant material shown will be used. Final plant material selection and quantities dependent on conformance to, and approval by, local and state regulations and agencies.
2. Plant material specified shall conform to ANLA American Standard for Nursery Stock, ANSI Z60.1 current edition.



**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location  
Harriman Project No. 17397  
Key Plan Project North



Issues and Revisions

Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

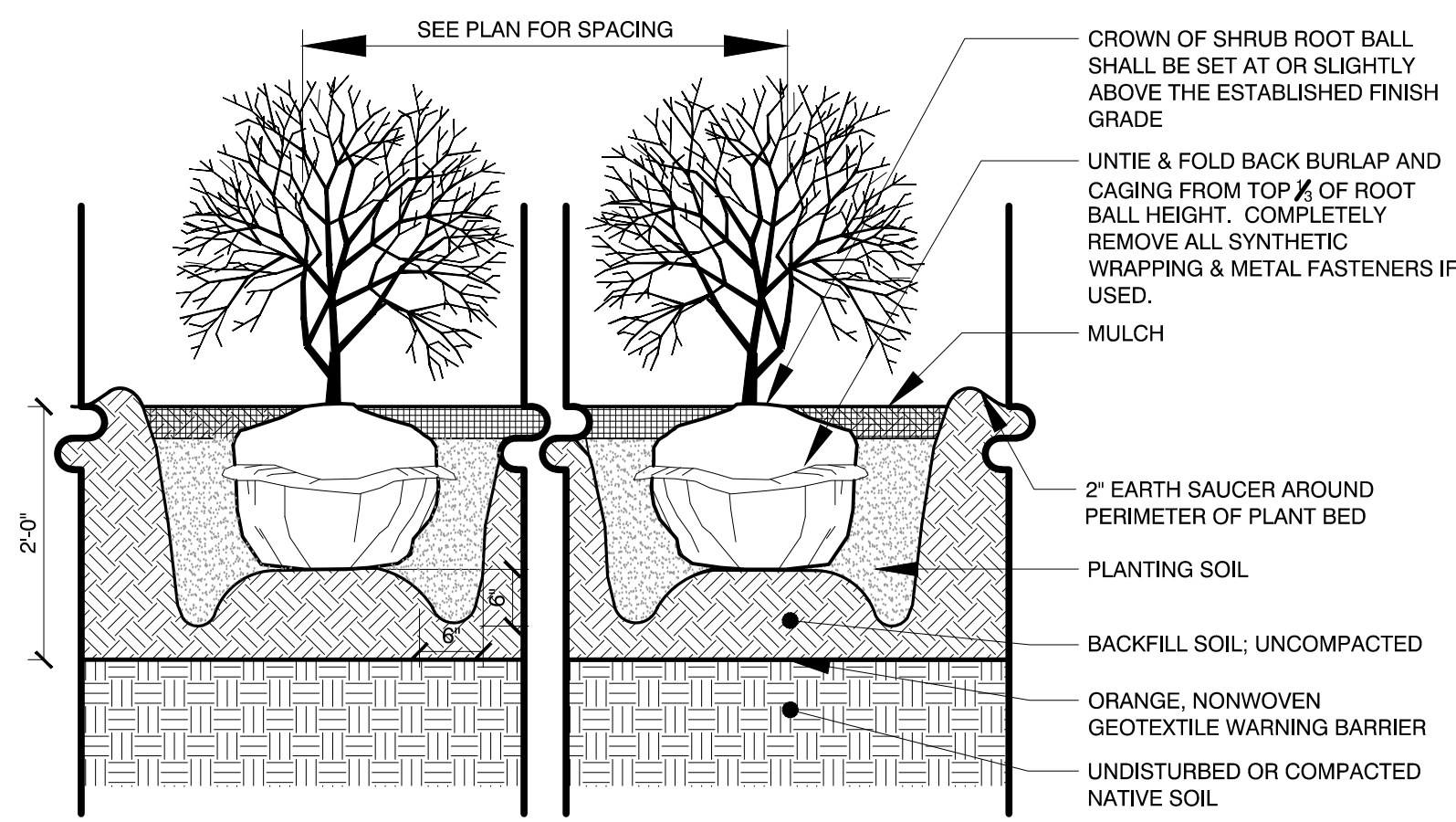
**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales

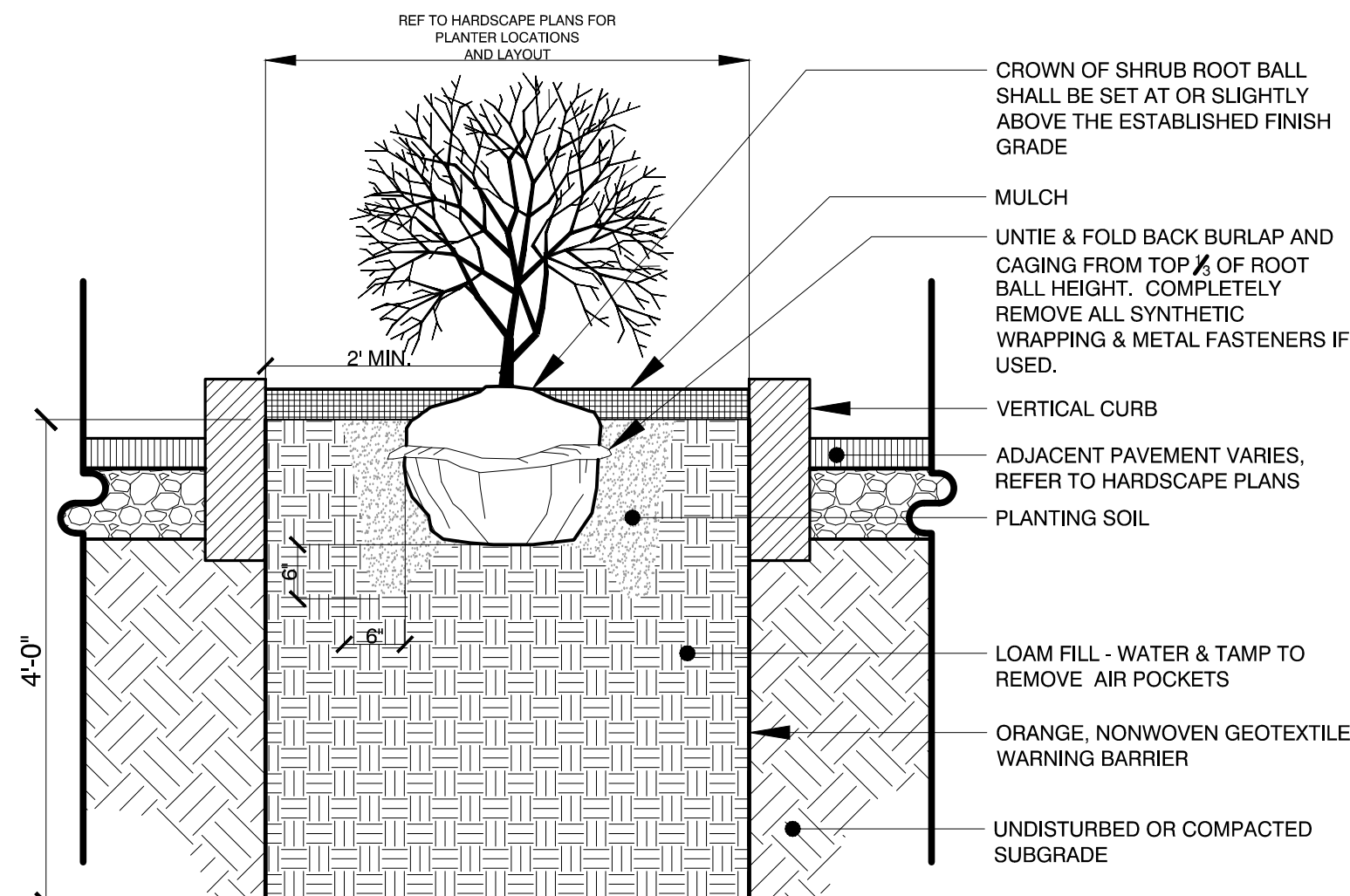

PA / PE: SGC © 2019  
Drawn By: HAS Harriman Associates

**PANTING PLAN**



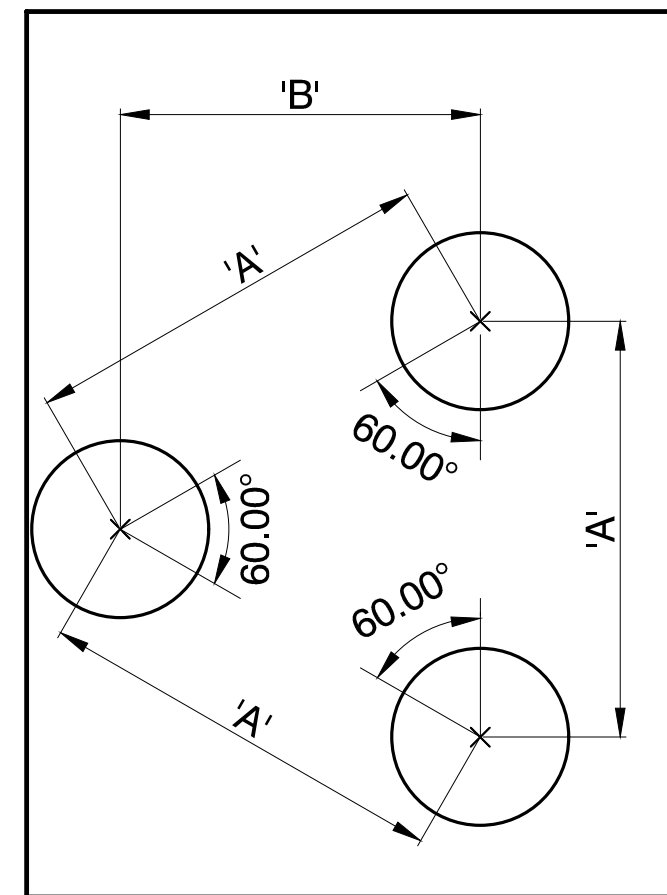


1 SHRUB PLANTING, TYPICAL  
Scale: Not To Scale



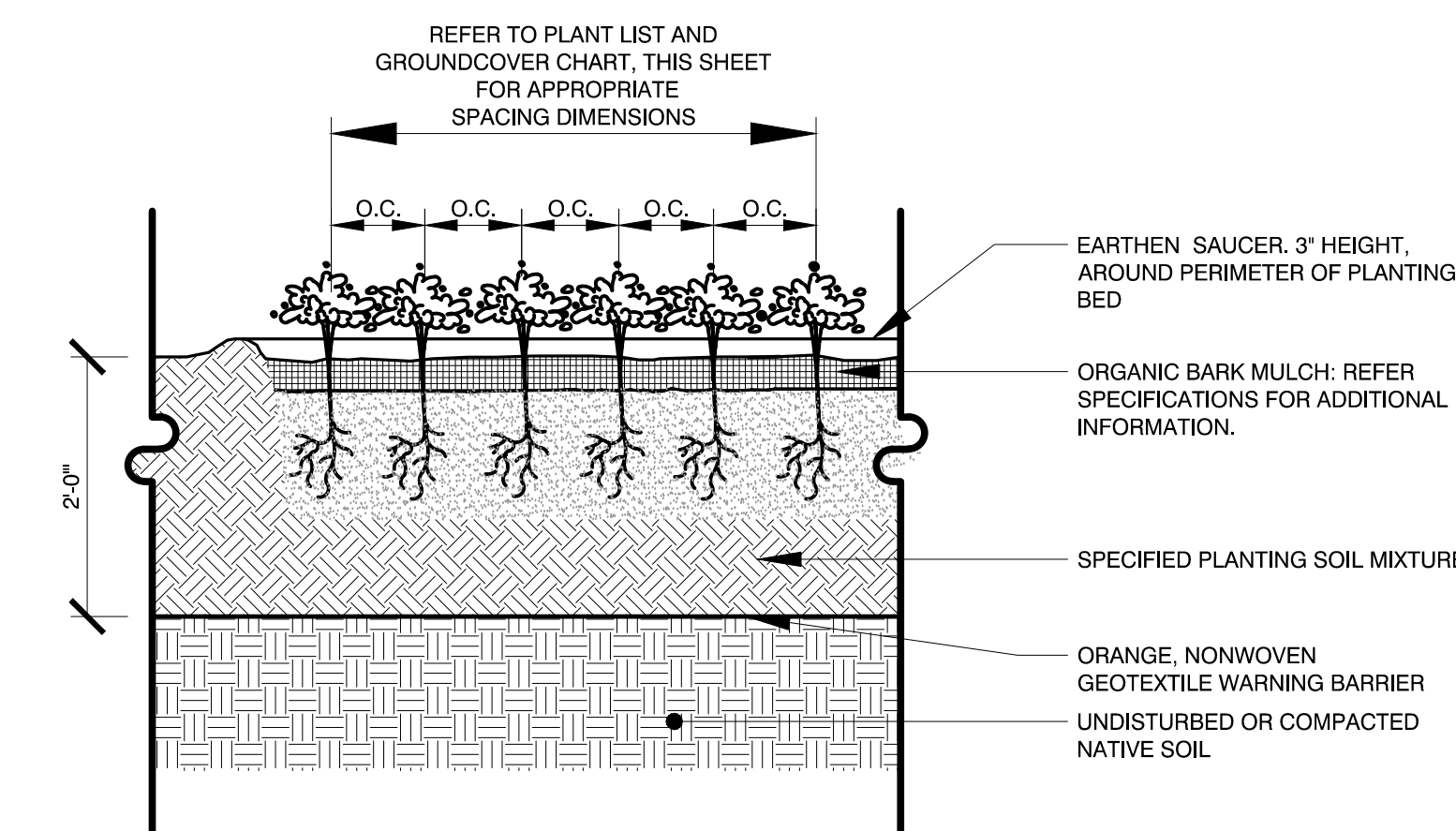
2 SHRUB PLANTING: RAISED PLANTER  
Scale: Not To Scale

3 NOT USED  
Scale: Not To Scale

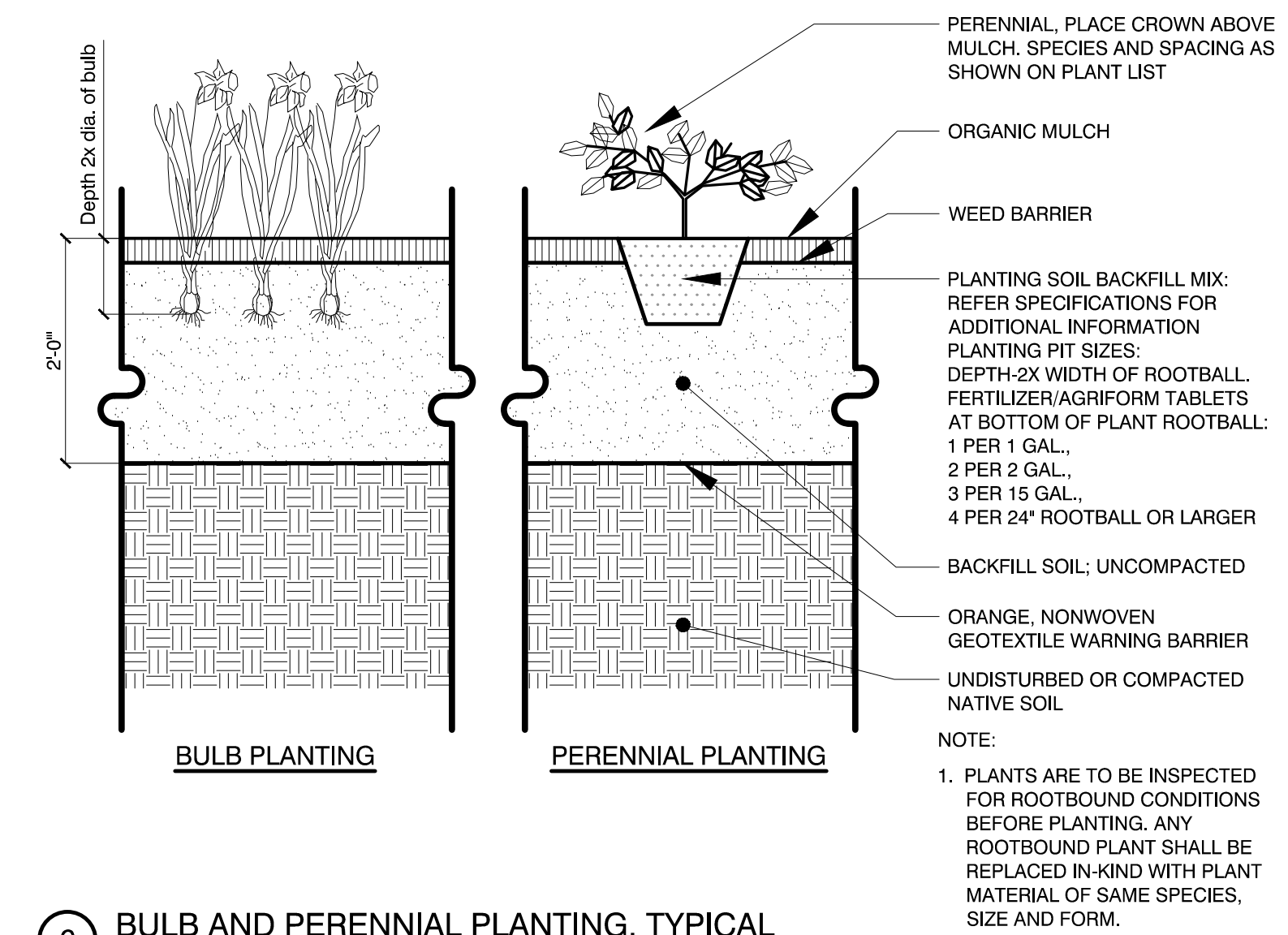


PLANT SPACING ('A')	ROW SPACING ('B')
6 IN. O.C.	5 IN. O.C.
8 IN. O.C.	7 IN. O.C.
10 IN. O.C.	8 1/2 IN. O.C.
12 IN. O.C.	10 1/2 IN. O.C.
15 IN. O.C.	13 IN. O.C.
18 IN. O.C.	16 IN. O.C.
24 IN. O.C.	21 IN. O.C.
30 IN. O.C.	26 IN. O.C.
36 IN. O.C.	30 IN. O.C.
48 IN. O.C.	42 IN. O.C.
54 IN. O.C.	48 IN. O.C.
60 IN. O.C.	54 IN. O.C.

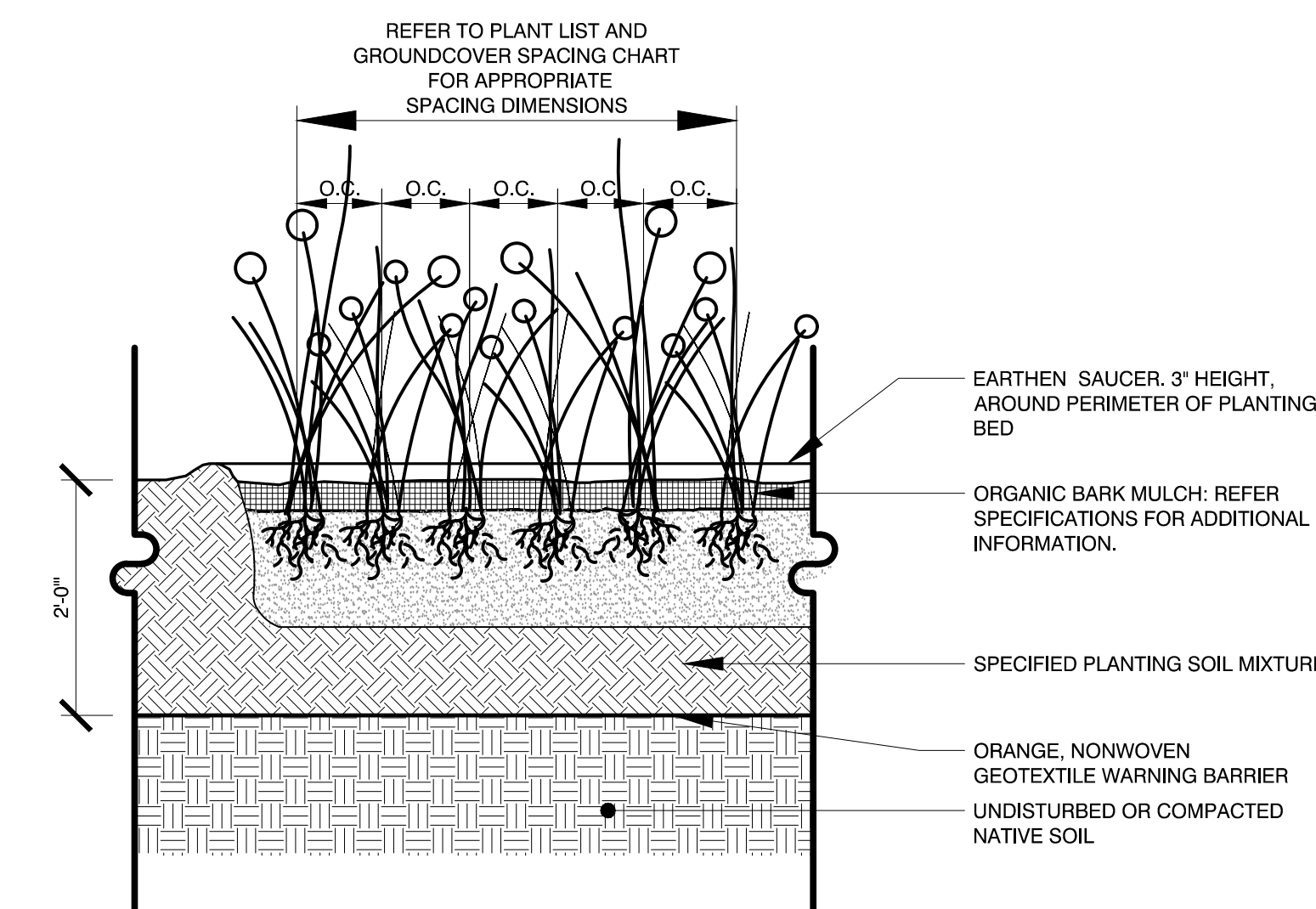
4 GROUNDCOVER, PERENNIAL AND ORNAMENTAL GRASS SPACING CHART  
Scale: Not To Scale



5 GROUNDCOVER PLANTING, TYPICAL  
Scale: Not To Scale



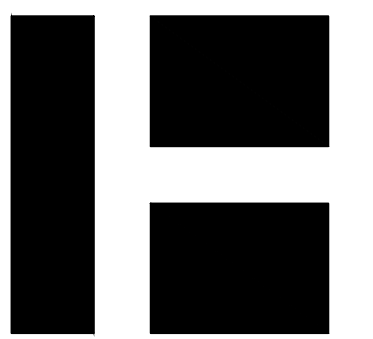
6 BULB AND PERENNIAL PLANTING, TYPICAL  
Scale: Not To Scale



7 ORNAMENTAL GRASS PLANTING, TYPICAL  
Scale: Not To Scale

8 NOT USED  
Scale: Not To Scale

9 NOT USED  
Scale: Not To Scale



HARRIMAN

AUBURN PORTLAND PORTSMOUTH BOSTON

MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

Project Location  
Harriman Project No. 17397  
Key Plan

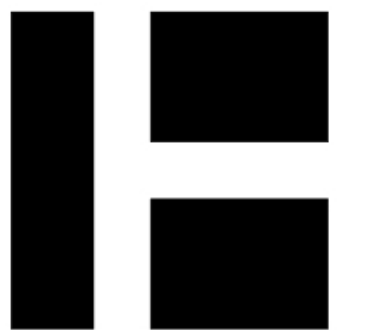
Issues and Revisions	
Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

PRELIMINARY NOT FOR CONSTRUCTION

PA / PE: SGC	© 2019
Drawn By: HAS	Harriman Associates

PLANTING DETAILS





HARRIMAN

ALBURN PORTLAND PORTSMOUTH BOSTON

MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

Project Location

Harriman Project No. 17397

Key Plan Project North



LIGHTING FIXTURE SCHEDULE

ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE LAMPS, HANGERS, FITTINGS, ETC. FOR A COMPLETE AND PROPER INSTALLATION

TYPE	MANUFACTURER	CATALOG NO.	MTG.	VOLT	LAMPS			REMARKS/BALLAST INFORMATION
					NO.	WATT	TYPE	
SL1	SITE LIGHT WITH SINGLE HEAD - 12' CAST DUCTILE IRON POLE							
	NEWSTAMP LIGHTING	RS-TUR-177 "PORTSMOUTH LANTERN" WITH MEDIUM BASE TYPE A LED LAMPS, 60 WATT EQUIVALENT						POLE SHALL ACCEPT THREE 1" CONDUITS. POLE COLOR SHALL MATCH FIXTURE COLOR. POLE SHALL BE RATED FOR FIXTURE EPA RATING WITH 100MPH WIND. PROVIDE POLE BASE COVER. PROVIDE GROUT BETWEEN POLE BASE AND POLE.
		POLE: SPRING CITY ELECTRIC - HANCOCK-EXT WITH LADDER REST	POLE	MVOLT		9	LED	
SL2	SITE LIGHT WITH SINGLE HEAD (LED TYPE IV DISTRIBUTION) - 12' SQUARE CAST DUCTILE IRON POLE							
	KING LED	K729-P4FL-II-40-SSL-7030-120-4K-BK						POLE SHALL ACCEPT THREE 1" CONDUITS. POLE COLOR SHALL MATCH FIXTURE COLOR. POLE SHALL BE RATED FOR FIXTURE EPA RATING WITH 100MPH WIND. PROVIDE POLE BASE COVER. PROVIDE GROUT BETWEEN POLE BASE AND POLE.
			POLE	MVOLT		40	LED	

Issues and Revisions

Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

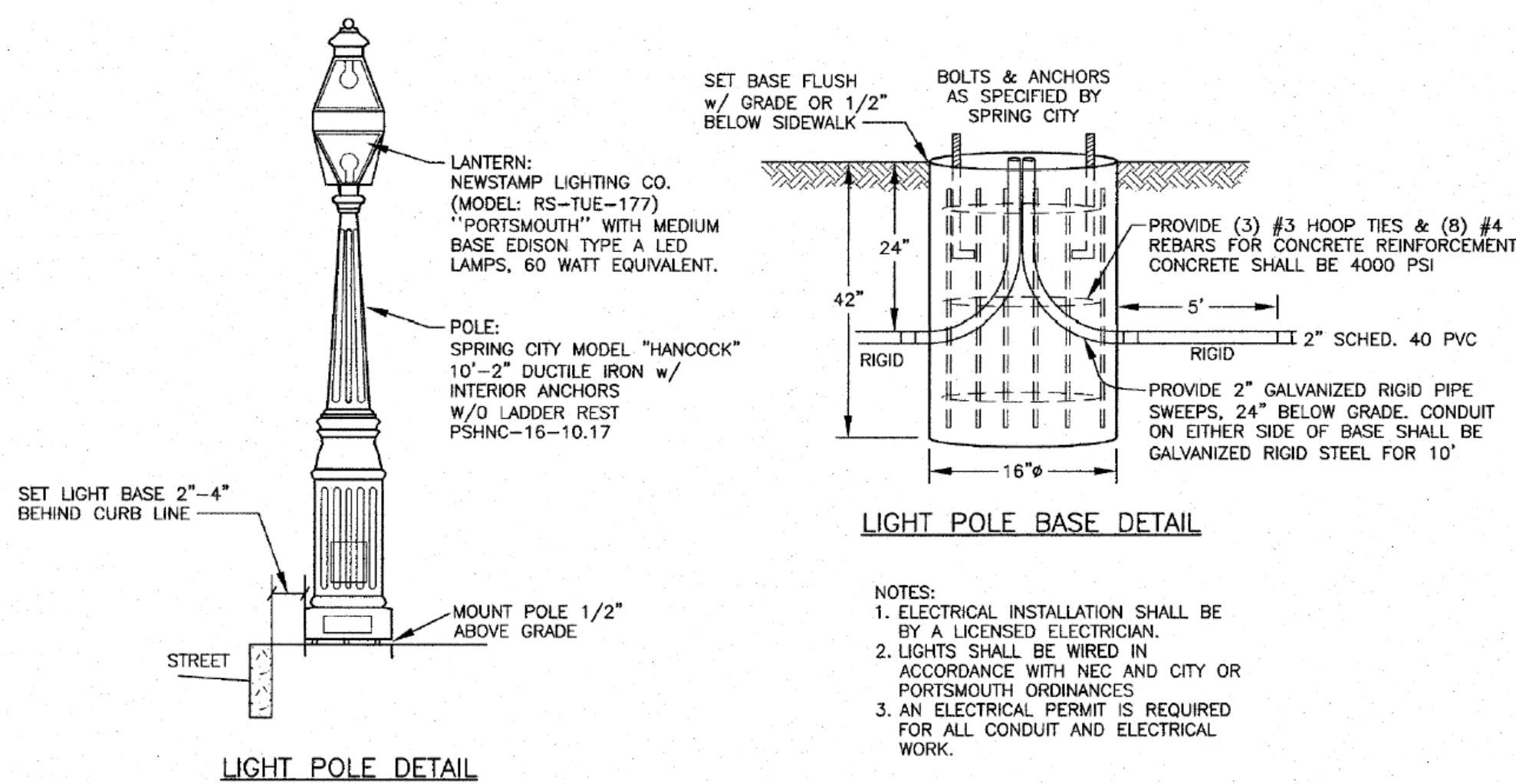
PRELIMINARY NOT FOR CONSTRUCTION

Drawing Scales

PA / PE: JWT © 2019 Harriman Associates  
Drawn By: BSO

LIGHTING FIXTURE SCHEDULE AND DETAILS

E00.1  
81 OF 86



LIGHT POLE DETAIL

2 LIGHT POLE AND BASE DETAIL

SCALE: NO SCALE

1 LIGHTING FIXTURE SCHEDULE

SCALE: NO SCALE



HARRIMAN

AUBURN PORTLAND PORTSMOUTH BOSTON

MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

Project Location

Harriman Project No. 17397

Key Plan Project North



**GENERAL NOTE:**

- EACH SITE LIGHTING CIRCUIT SHALL RUN BACK TO A CONTROL CABINET, CONTROLLING SITE LIGHT FIXTURES SL1 AND SL2 WITHIN THAT SITE LIGHTING CIRCUIT. CURRENT POWER DROP AND CONTROL CABINET LOCATION TBD. TYPICAL FOR (2) SITE LIGHTING CIRCUITS.

EXISTING SITE LIGHTING FIXTURE AND POLE SHALL REMAIN, TYPICAL FOR (7) "EX" FIXTURES.

EXISTING SITE LIGHTING FIXTURE AND POLE SHALL BE COMPLETELY REMOVED, TYPICAL FOR ALL FIXTURES WITH EXR DESIGNATION.

RAYNES AVENUE

MAPLEWOOD

PRELIMINARY NOT FOR CONSTRUCTION

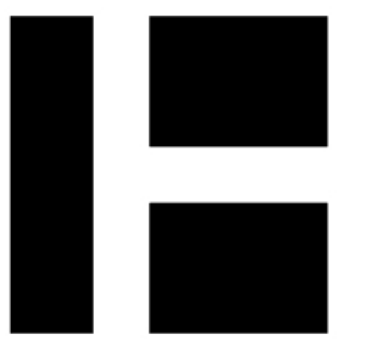
Issues and Revisions	
Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

Drawing Scales	

PA / PE:	JWT	© 2019
Drawn By:	BSO	Harriman Associates

SITE LIGHTING PLAN

E10.0  
82 OF 86



HARRIMAN

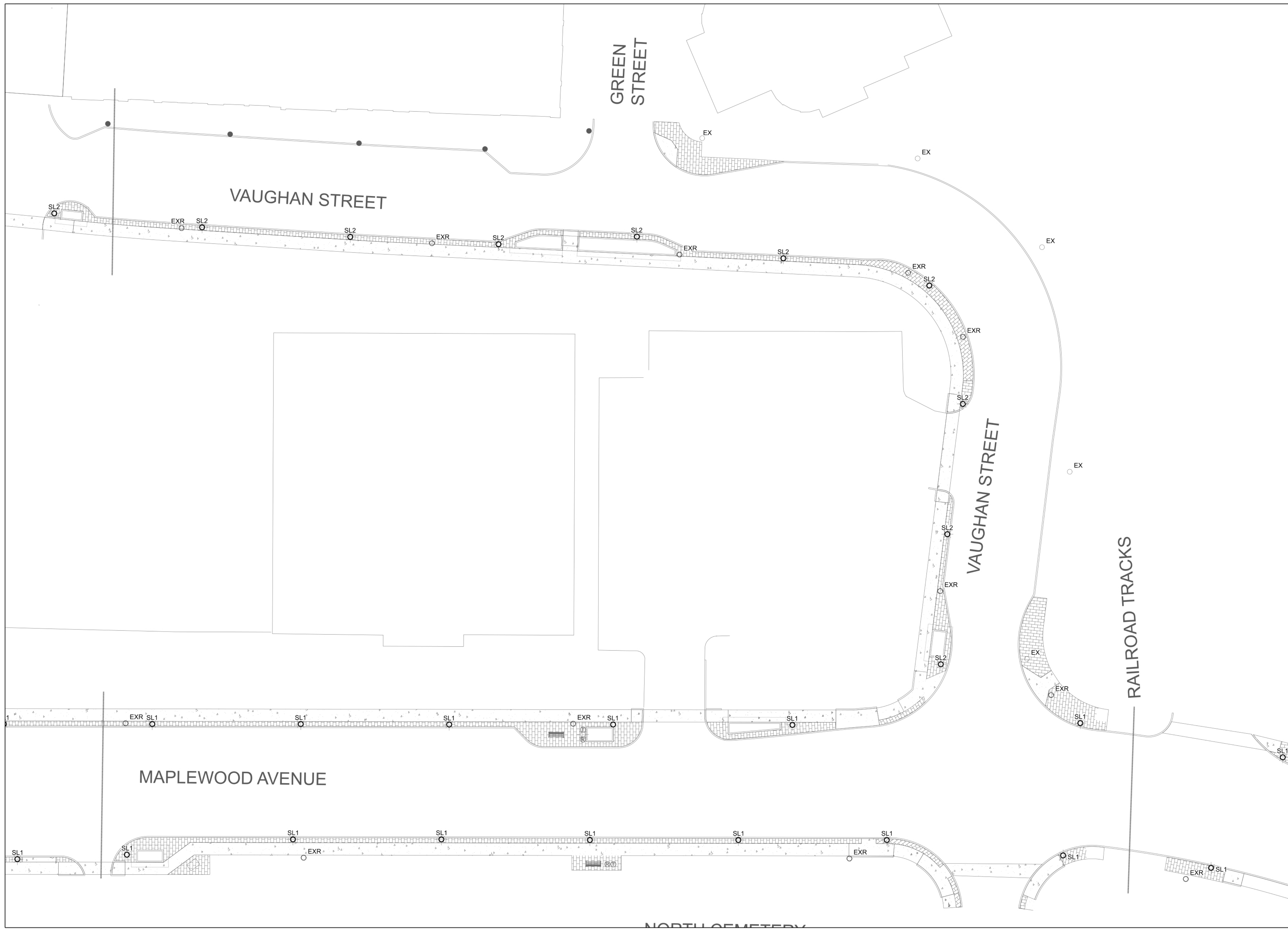
AUBURN PORTLAND PORTSMOUTH BOSTON

MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

Project Location

Harriman Project No. 17397

Key Plan Project North



Issues and Revisions

Date Description

05-31-19 60% PRELIMINARY DESIGN SUBMISSION

Table with multiple empty rows for recording issues and revisions.

PRELIMINARY NOT FOR CONSTRUCTION

Drawing Scales

Table with multiple empty rows for drawing scales.

PA/PE: JWT  
Drawn By: BSO

© 2019 Harriman Associates

SITE LIGHTING PLAN

E10.1  
83 OF 86



**HARRIMAN**

AUBURN PORTLAND PORTSMOUTH BOSTON

**MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS**

Project Location

Harriman Project No. 17397

Key Plan Project North



Issues and Revisions

Date Description

05-31-19 60% PRELIMINARY DESIGN SUBMISSION

**PRELIMINARY NOT FOR CONSTRUCTION**

Drawing Scales

PA / PE: JWT © 2019

Drawn By: BSO Harriman Associates

**SITE LIGHTING PLAN**

**E10.2**

84 OF 86





HARRIMAN

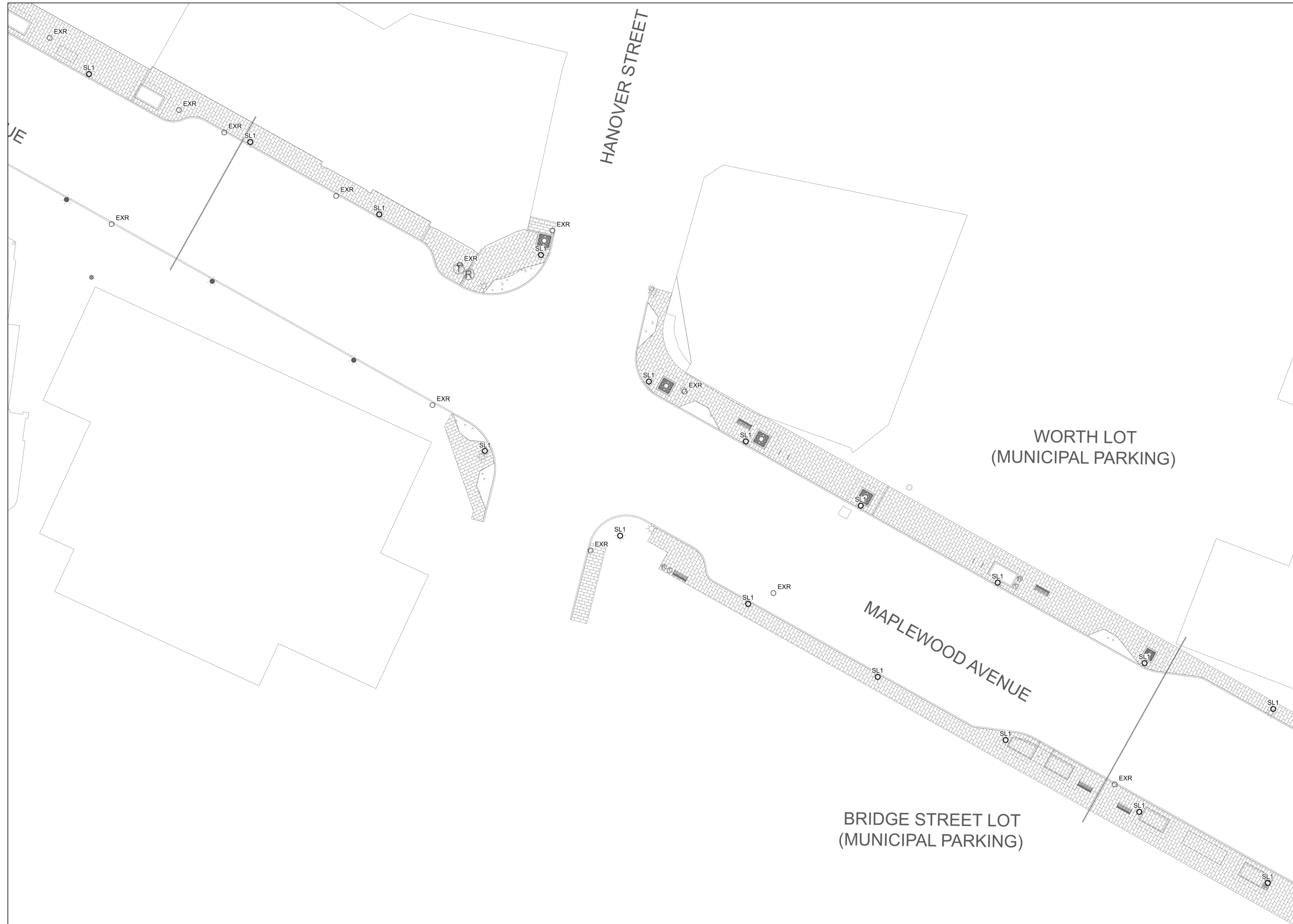
AUBURN PORTLAND PORTSMOUTH BOSTON

MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

Project Location

Harriman Project No. 17397

Key Plan Project North



Issues and Revisions

Date	Description
05-31-19	60% PRELIMINARY DESIGN SUBMISSION

PRELIMINARY NOT FOR CONSTRUCTION

Drawing Scales

PA/PE: JWT © 2019 Harriman Associates  
Drawn By: BSO

SITE LIGHTING PLAN



HARRIMAN

AUBURN PORTLAND PORTSMOUTH BOSTON

MAPLEWOOD AVENUE CORRIDOR IMPROVEMENTS

Project Location

Harriman Project No. 17397

Key Plan Project North



Issues and Revisions

Date Description

05-31-19 60% PRELIMINARY DESIGN SUBMISSION

PRELIMINARY NOT FOR CONSTRUCTION

Drawing Scales

PA / PE: JWT © 2019  
Drawn By: BSO Harriman Associates

SITE LIGHTING PLAN

E10.4

86 OF 86



WORTH LOT  
(MUNICIPAL PARKING)

MAPLEWOOD AVENUE

BRIDGE STREET LOT  
(MUNICIPAL PARKING)

CONGRESS STREET

ISLINGTON STREET

PORTER STREET

MIDDLE STREET