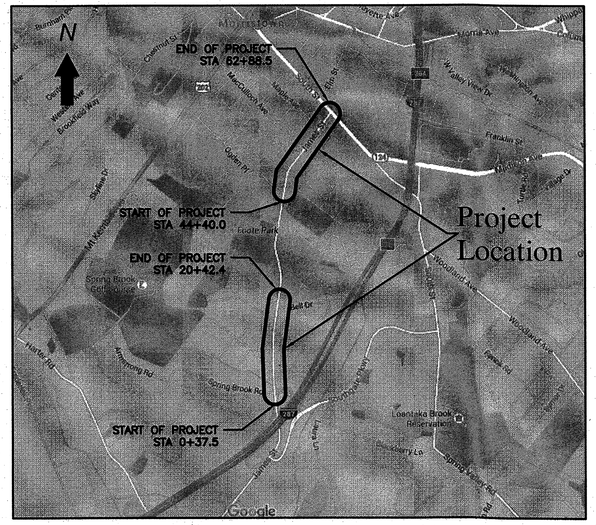
MORRIS COUNTY ENGINEERING DEPARTMENT
PLANS OF
MILLING AND RESURFACING
JAMES STREET (C.R. 663)

TOWNSHIP OF MORRIS AND
TOWN OF MORRISTOWN
MORRIS COUNTY, NEW JERSEY

PUBLIC UTILITIES
FIRST ENERGY (JCP&L) - ELECTRIC
PSE&G - GAS
VERIZON - TELEPHONE
SOUTHEAST MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
CABLEVISION



LAYOUT & KEYMAP

SCALE: 1" = 2,000'±

LENGTH OF PROJECT: 3,853.4 FEET OR 0.730 MILES

THIS IS A MORRIS COUNTY AND NEW JERSEY DEPARTMENT OF TRANSPORTATION LOCAL AID GRANT FUNDED PROJECT

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
T-401	COVER SHEET
LGN-101	LEGEND & GENERAL NOTES
C-401 - C-402	CONSTRUCTION PLANS
D-101 - D117	CONSTRUCTION DETAILS
TCD-101 - TCD-102	TRAFFIC CONTROL DETAILS

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	IF & WHERE DIRECTED	TOTAL QUANTITY
1	CONSTRUCTION SIGNS	S.F.		250	250
2	BREAKAWAY BARRICADE, TYPE III	UNIT		50	50
3	DRUM	UNIT		75	75
4	TRAFFIC CONE	UNIT		100	100
5	ALLOWANCE FOR POLICE TRAFFIC DIRECTORS	ALLOW.		100%	ALLOW.
6	FUEL PRICE ADJUSTMENT	ALLOW.		100%	ALLOW.
7	ASPHALT PRICE ADJUSTMENT	ALLOW.		100%	ALLOW.
8	HMA MILLING, 2" THICK	S.Y.	16,600	1,600	18,200
9	HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 2" THICK	TON	2,445	255	2,700
10	INLET, TYPE A	UNIT	3		3
11	RESET EXISTING CASTING	UNIT	19		19
12	EXCAVATION, UNCLASSIFIED	C.Y.		40	40
13	RECONSTRUCTED INLET, TYPE B, USING NEW CASTING	UNIT	1		1
14	BICYCLE SAFE GRATE	UNIT	16		16
15	CURB PIECE, 6"	UNIT	12		12
16	CURB PIECE , 8"	UNIT	5		5
17	CONCRETE SIDEWALK, REINFORCED, 6" THICK	S.Y.	305	35	340
18	DETECTABLE WARNING SURFACE	S.Y.	22.5		22.5
19	9" X 20" CONCRETE VERTICAL CURB	L.F.	225	25	250
20	BELGIAN BLOCK CURB	L.F.	305	25	330
21	TRAFFIC STRIPES, YELLOW, 4"	L.F.	5,835	565	6,400
22	TEMPORARY TRAFFIC STRIPES, 4"	L.F.	5,835	565	6,400
23	TRAFFIC MARKINGS, WHITE	S.F.	6,615	685	7,300
24	DENSE GRADED AGGREGATE, 6" THICK	TON		10	10
25	HOT MIX ASPHALT 19M64 BASE COURSE, 5" THICK	TON		20	20
26	BEAM GUIDE RAIL ANCHORAGE	UNIT	2		2
27	BEAM GUIDE RAIL	L.F.	137.5	12.5	150.0
28	REMOVAL OF BEAM GUIDE RAIL	L.F.	534	16	550
29	TEMPORARY HMA RAMPING	TON	20		20
30	REMOVAL OF TEMPORARY ASPHALT RAMPING	TON	20		20
31	TACK COAT	GAL.	150		150
32	RESET MANHOLE	UNIT		1	1
33	REGULATORY AND WARNING SIGN	S.F.	120.00	30.00	150.00
34	SOIL EROSION AND SEDIMENT CONTROL MEASURES	L.S.			L.S.
35	PERFORMANCE AND PAYMENT BOND	L.S.	100%		100%
36	MOBILIZATION	L.S.	1		1

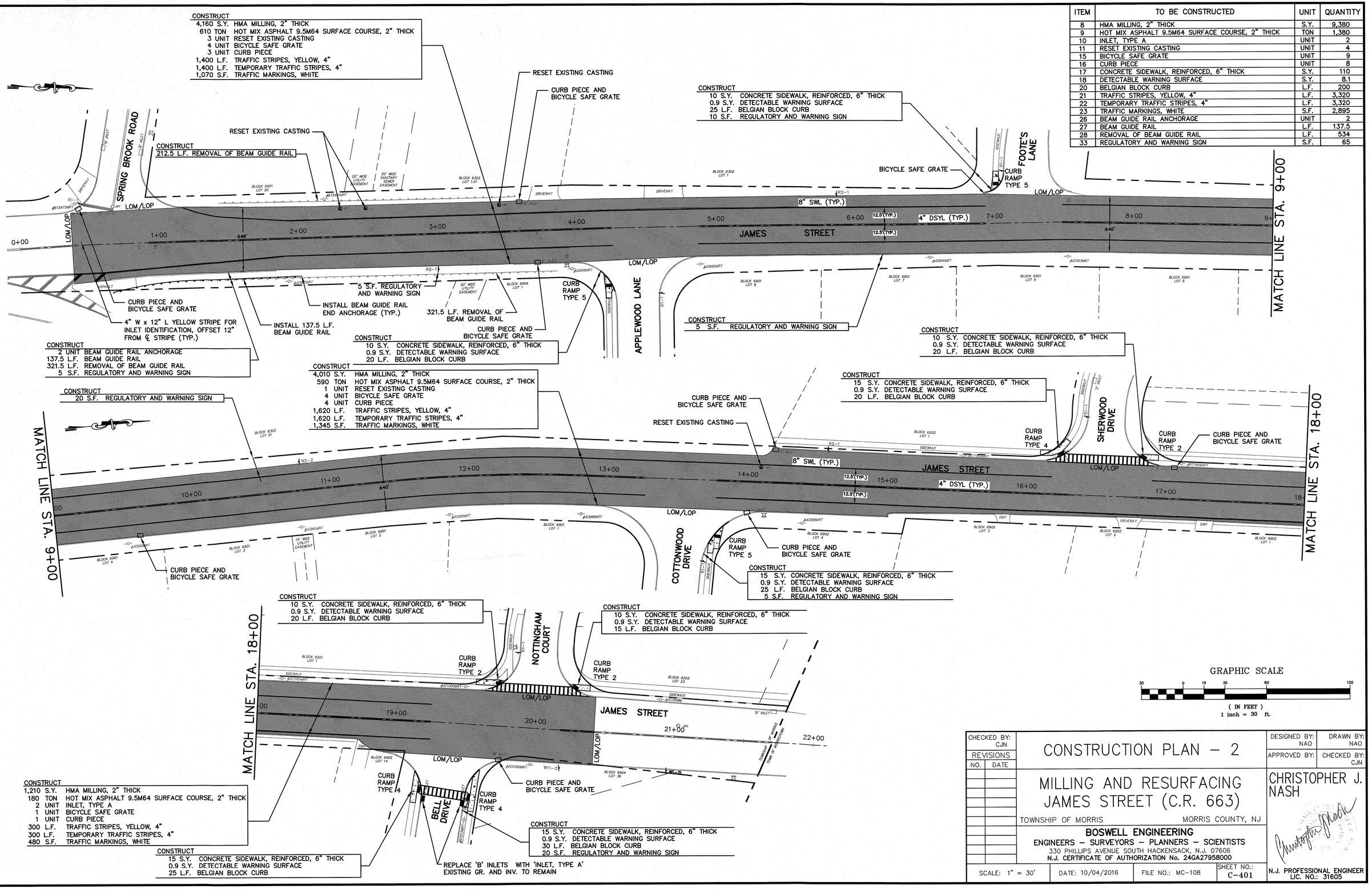
Approved by the Board of Chosen Freeholders

Director: Kathryn A. DeFilippo Date: 12/20/16

CHECKED BY: CJN	COVER SHEET	DESIGNED BY: NAO	DRAWN BY: NAO
REVISIONS NO. DATE		APPROVED BY:	CHECKED BY: CJN
	MILLING AND RESURFACING TOWN OF MORRISTOWN TOWNSHIP OF MORRIS MORRIS COUNTY, NJ	CHRISTOPHER J. NASH	
	BOSWELL ENGINEERING ENGINEERS – SURVEYORS – PLANNERS – SCIENTISTS 330 PHILLIPS AVENUE SOUTH HACKENSACK, N.J. 07606 N.J. CERTIFICATE OF AUTHORIZATION No. 24GA27958000		
SCALE: N.T.S.	DATE: 10/04/2016 FILE NO.: MC-108 SHEET NO.: T-401	N.J. PROFESSIONAL ENGINEER LIC. NO.: 31605	

N.J.D.O.T. STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION 2007 AND CURRENT SUPPLEMENTARY SPECIFICATION THERETO TO GOVERN

ITEM	TO BE CONSTRUCTED	UNIT	QUANTITY
8	HMA MILLING, 2" THICK	S.Y.	9,380
9	HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 2" THICK	TON	1,380
10	INLET, TYPE A	UNIT	2
11	RESET EXISTING CASTING	UNIT	4
15	BICYCLE SAFE GRATE	UNIT	9
16	CURB PIECE	UNIT	8
17	CONCRETE SIDEWALK, REINFORCED, 6" THICK	S.Y.	110
18	DETECTABLE WARNING SURFACE	S.Y.	8.1
20	BELGIAN BLOCK CURB	L.F.	200
21	TRAFFIC STRIPES, YELLOW, 4"	L.F.	3,320
22	TEMPORARY TRAFFIC STRIPES, 4"	L.F.	3,320
23	TRAFFIC MARKINGS, WHITE	S.F.	2,895
26	BEAM GUIDE RAIL ANCHORAGE	UNIT	2
27	BEAM GUIDE RAIL	L.F.	137.5
28	REMOVAL OF BEAM GUIDE RAIL	L.F.	534
33	REGULATORY AND WARNING SIGN	S.F.	65



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

CHECKED BY: CJN	CONSTRUCTION PLAN – 2	DESIGNED BY: NAO	DRAWN BY: NAO
REVISIONS NO. / DATE		APPROVED BY:	CHECKED BY: CJN

MILLING AND RESURFACING
JAMES STREET (C.R. 663)

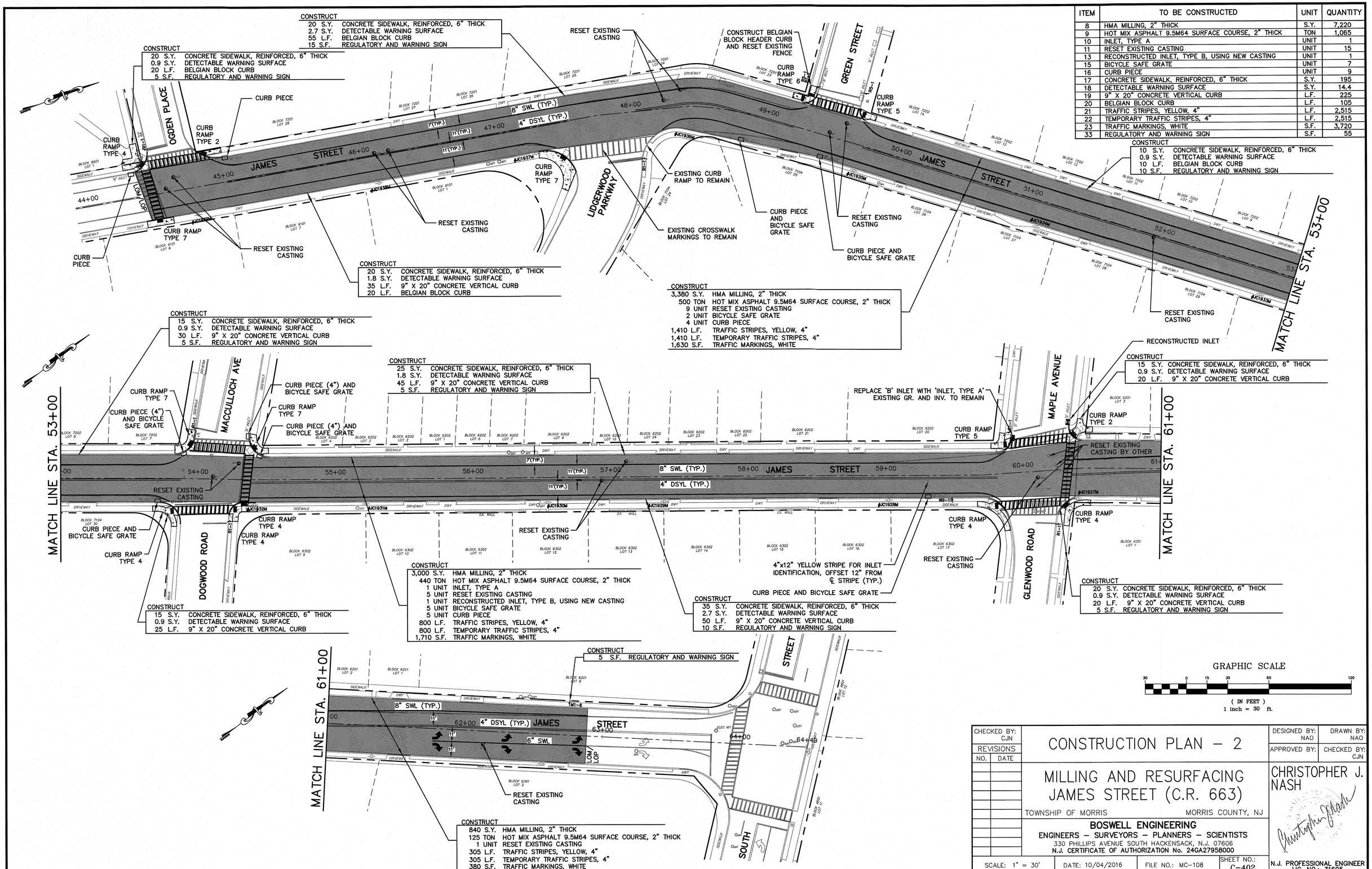
TOWNSHIP OF MORRIS — MORRIS COUNTY, NJ

BOSWELL ENGINEERING
ENGINEERS – SURVEYORS – PLANNERS – SCIENTISTS
330 PHILLIPS AVENUE SOUTH HACKENSACK, N.J. 07606
N.J. CERTIFICATE OF AUTHORIZATION No. 24GA27958000

CHRISTOPHER J. NASH
N.J. PROFESSIONAL ENGINEER
LIC. NO.: 31605

SCALE: 1" = 30'	DATE: 10/04/2016	FILE NO.: MC-108	SHEET NO.: C-401

ITEM	TO BE CONSTRUCTED	UNIT	QUANTITY
8	HMA MILLING, 2" THICK	S.Y.	7,220
9	HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 2" THICK	TON	1,065
10	INLET, TYPE A	UNIT	1
11	RESET EXISTING CASTING	UNIT	15
13	RECONSTRUCTED INLET, TYPE B, USING NEW CASTING	UNIT	1
15	BICYCLE SAFE GRATE	UNIT	7
16	CURB PIECE	UNIT	9
17	CONCRETE SIDEWALK, REINFORCED, 6" THICK	S.Y.	195
18	DETECTABLE WARNING SURFACE	S.Y.	14.4
19	9" X 20" CONCRETE VERTICAL CURB	L.F.	225
20	BELGIAN BLOCK CURB	L.F.	105
21	TRAFFIC STRIPES, YELLOW, 4"	L.F.	2,515
22	TEMPORARY TRAFFIC STRIPES, 4"	L.F.	2,515
23	TRAFFIC MARKINGS, WHITE	S.F.	3,720
33	REGULATORY AND WARNING SIGN	S.F.	55



CHECKED BY: CJN		CONSTRUCTION PLAN – 2	DESIGNED BY: NAO	DRAWN BY: NAO
REVISIONS NO.	DATE		APPROVED BY:	CHECKED BY: CJN
		MILLING AND RESURFACING JAMES STREET (C.R. 663)	CHRISTOPHER J. NASH	
		TOWNSHIP OF MORRIS — MORRIS COUNTY, NJ		
		BOSWELL ENGINEERING ENGINEERS – SURVEYORS – PLANNERS – SCIENTISTS 330 PHILLIPS AVENUE SOUTH HACKENSACK, N.J. 07606 N.J. CERTIFICATE OF AUTHORIZATION No. 24GA27958000		
SCALE: 1" = 30'	DATE: 10/04/2016	FILE NO.: MC-108	SHEET NO.: C-402	N.J. PROFESSIONAL ENGINEER LIC. NO.: 31605