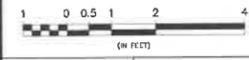
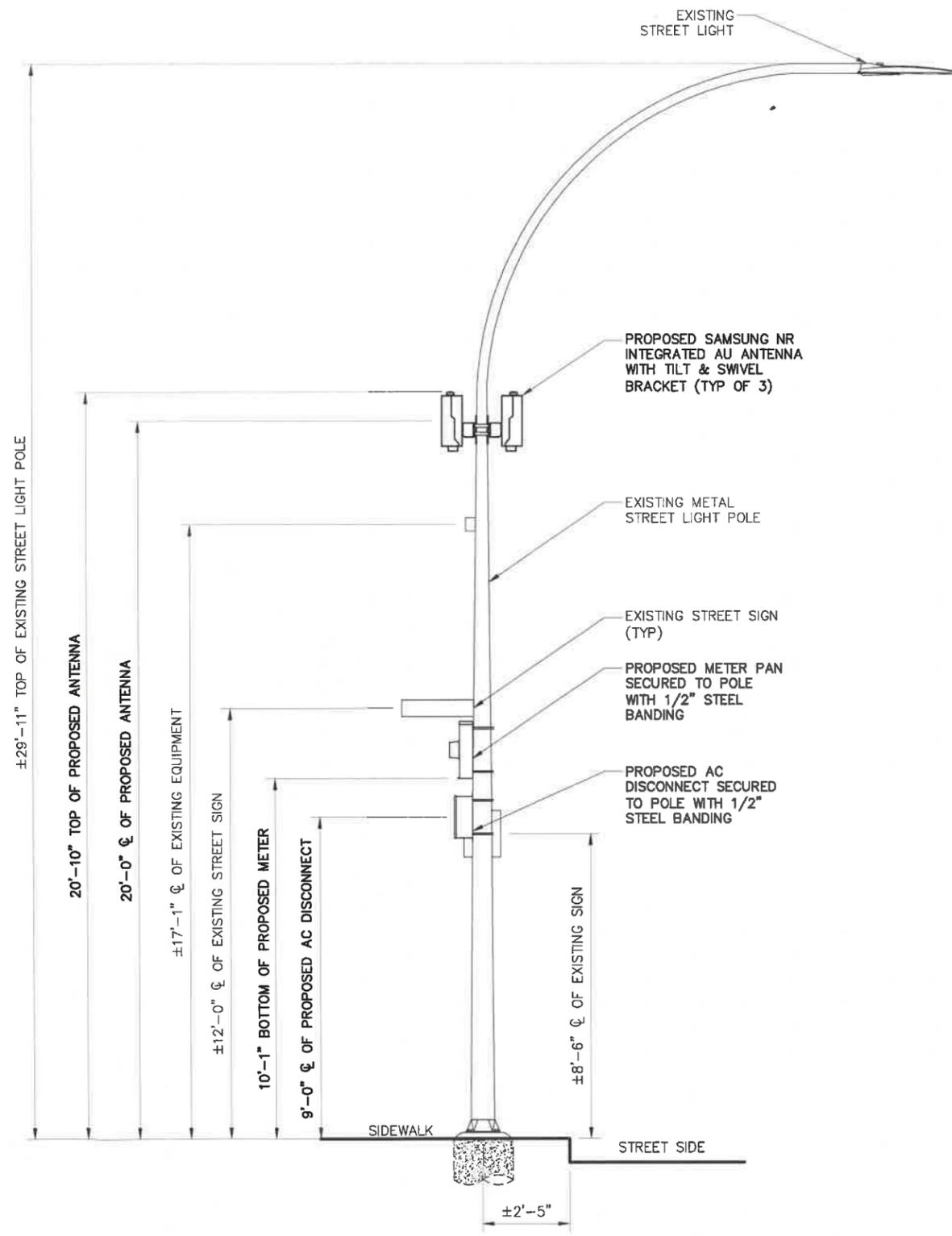
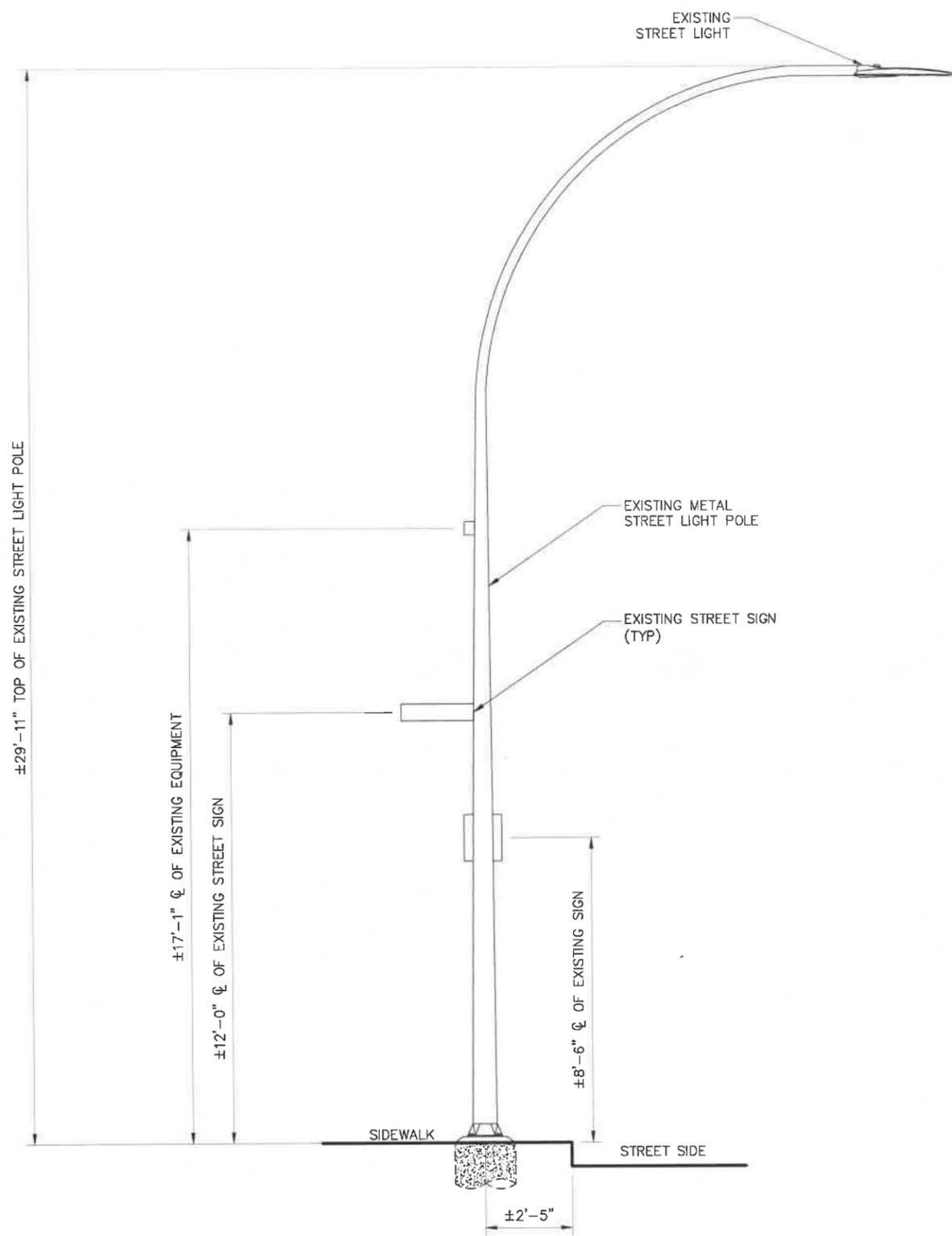
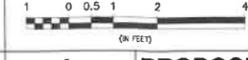


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NOTES:
 1. ANY EXISTING CABLES OR UTILITIES NEAR PROPOSED EQUIPMENT ARE TO BE RELOCATED AS NEEDED, DETERMINED BY THE APPROPRIATE UTILITY COMPANY'S MAKE READY REPORT AND REQUIREMENTS. CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANY PRIOR TO CONSTRUCTION.
 2. POINT OF CONNECTION AND ROUTING FOR POWER, FIBER, AND ANY ADDITIONAL REQUIRED UTILITIES TO BE DETERMINED PENDING UTILITY COORDINATION.



1 EXISTING ELEVATION
 11x17 SCALE: 1/4" = 1'-0" 24x36 SCALE: 1/2" = 1'-0"



2 PROPOSED ELEVATION
 11x17 SCALE: 1/4" = 1'-0" 24x36 SCALE: 1/2" = 1'-0"



REV.	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD. BY
3	02-02-22	REVISED PER CLIENT COMMENTS	RC	JRB
2	09-24-21	REVISED PER CLIENT COMMENTS	RC	JRB
1	06-17-21	REVISED PER CLIENT COMMENTS	RC	JRB
0	03-23-21	INITIAL SUBMISSION NOT FOR CONSTRUCTION	RC	JRB



N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
 PROFESSIONAL ENGINEER
 NY LICENSE: 086064 2/2/22

PROJECT NUMBER:
321.5002.Z17

SITE INFORMATION:
**8 DEKALB AVENUE
 WHITE PLAINS, NY 10601**

WST_WHP_N087

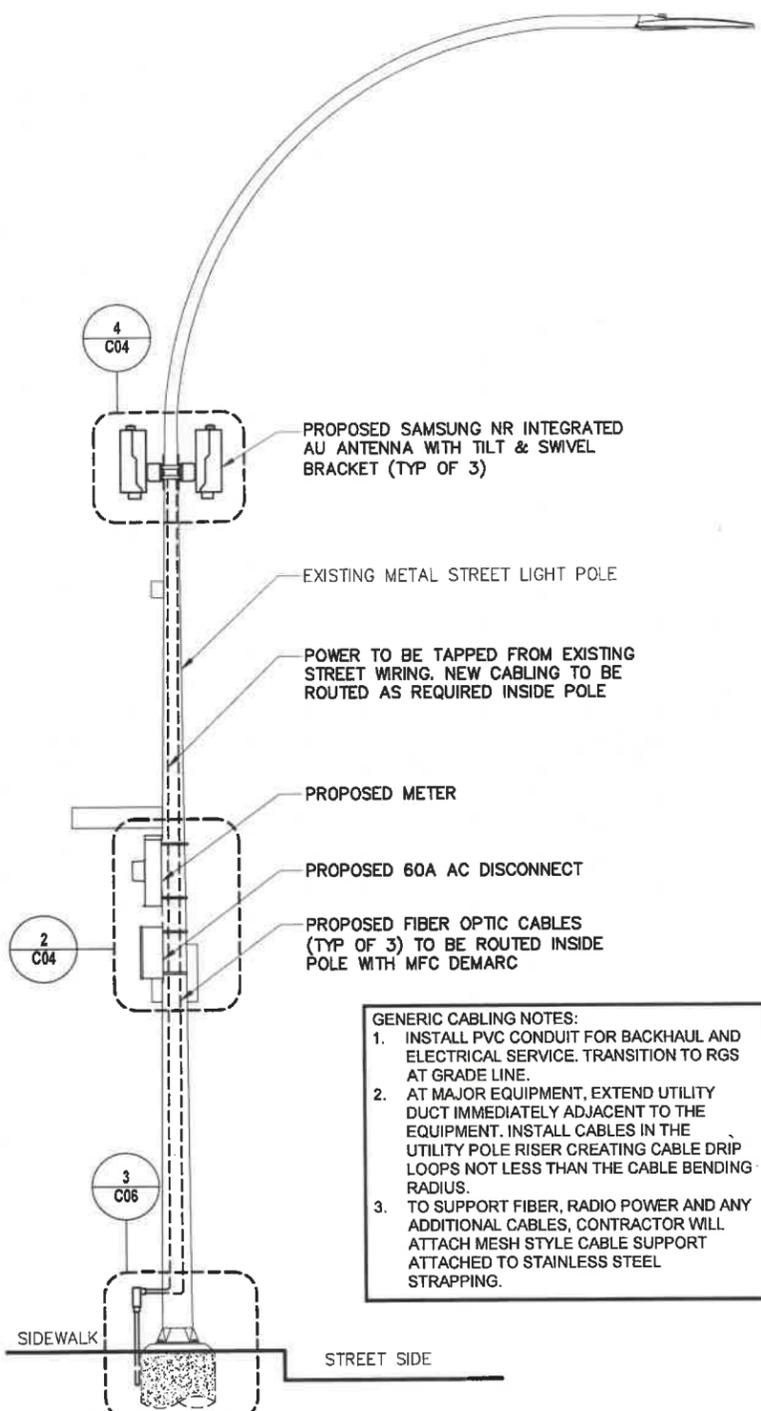
DESIGN TYPE:
LIGHT POLE

SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER: **C03** REV.: **3**

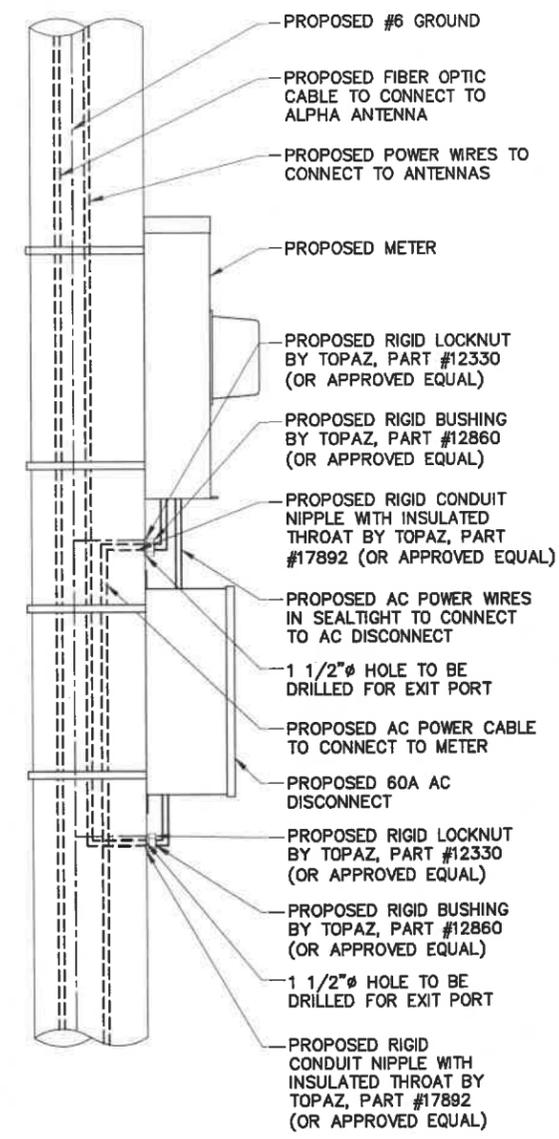
K:\321_Verizon\SQUAN\321.5002_White Plains\321.5002.Z17_Small Cell\321.5002.Z17_CAD\321.5002.Z17_Construction\321.5002.Z17_C03.dwg, 2/2/2022 10:57:27 AM, WSeebach

NOTES:
 1. CABLING DIAGRAM IS FOR CLARITY OF CABLE ROUTE AND TERMINATION ONLY. CONTRACTOR SHALL INSTALL CABLES WITH MINIMAL VISUAL IMPACT ON EXISTING POLE. SEE ELEVATION DRAWING FOR EQUIPMENT AND ANTENNA LOCATIONS.
 2. POINT OF CONNECTION AND ROUTING FOR POWER, FIBER, AND ANY ADDITIONAL REQUIRED UTILITIES TO BE DETERMINED PENDING UTILITY COORDINATION. CONTRACTOR TO PROVIDE METHOD AND MEANS.



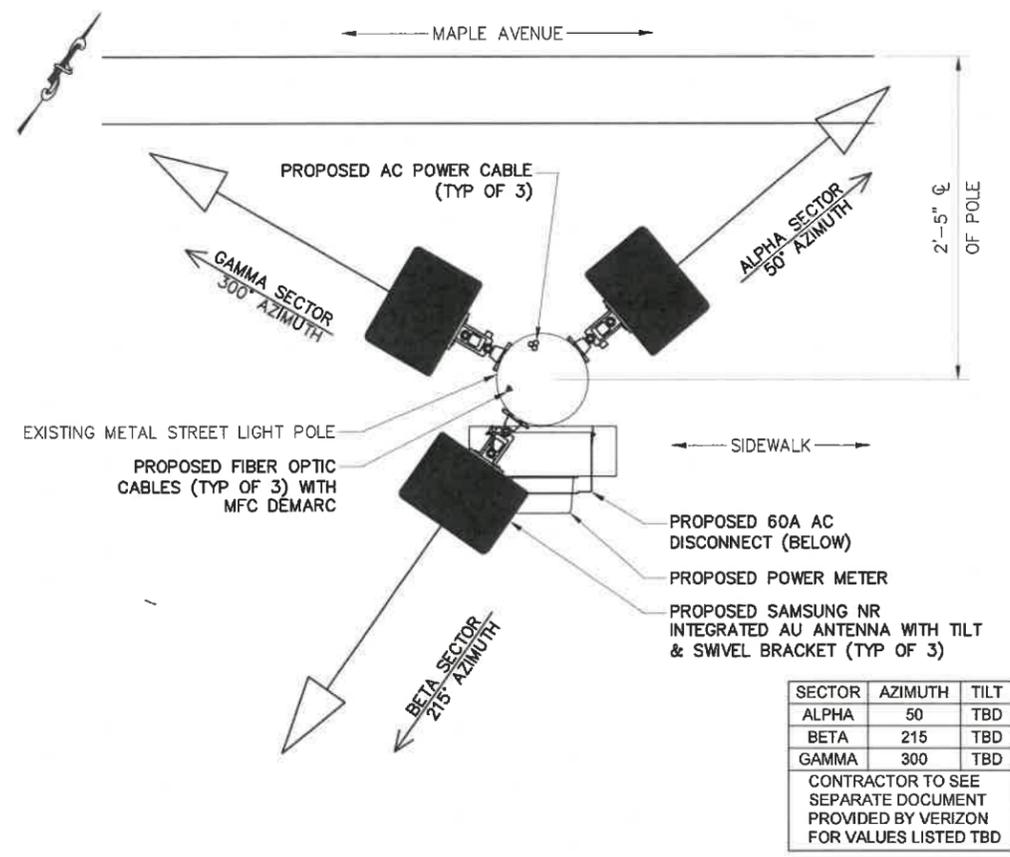
GENERIC CABLING NOTES:
 1. INSTALL PVC CONDUIT FOR BACKHAUL AND ELECTRICAL SERVICE. TRANSITION TO RGS AT GRADE LINE.
 2. AT MAJOR EQUIPMENT, EXTEND UTILITY DUCT IMMEDIATELY ADJACENT TO THE EQUIPMENT. INSTALL CABLES IN THE UTILITY POLE RISER CREATING CABLE DRIP LOOPS NOT LESS THAN THE CABLE BENDING RADIUS.
 3. TO SUPPORT FIBER, RADIO POWER AND ANY ADDITIONAL CABLES, CONTRACTOR WILL ATTACH MESH STYLE CABLE SUPPORT ATTACHED TO STAINLESS STEEL STRAPPING.

1 CABLE ROUTING ELEVATION



NOTE:
 CONTRACTOR TO ENSURE ALL PENETRATIONS ARE SEALED WEATHERTIGHT WITH HEAVY DUTY ANTI-SEIZE LUBRICANT.

2 AC POWER EXIT PORT DETAIL

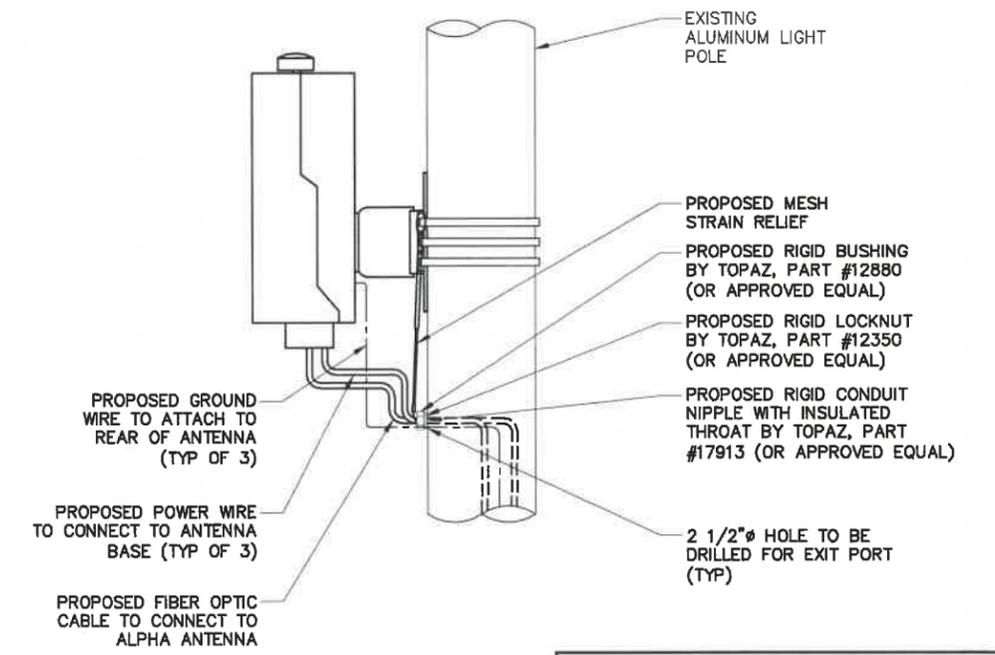


SECTOR	AZIMUTH	TILT
ALPHA	50	TBD
BETA	215	TBD
GAMMA	300	TBD

CONTRACTOR TO SEE SEPARATE DOCUMENT PROVIDED BY VERIZON FOR VALUES LISTED TBD

3 EQUIPMENT PLAN VIEW

SCALE: NTS



NOTES:
 1. CONTRACTOR TO ENSURE ALL PENETRATIONS ARE SEALED WEATHERTIGHT WITH HEAVY DUTY ANTI-SEIZE LUBRICANT.
 2. BETA & GAMMA SECTORS NOT SHOWN FOR CLARITY.

4 WIRING EXIT PORT DETAIL

SCALE: NTS



REV.	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD. BY
3	02-02-22	REVISED PER CLIENT COMMENTS	RC	JRB
2	08-24-21	REVISED PER CLIENT COMMENTS	RC	JRB
1	06-17-21	REVISED PER CLIENT COMMENTS	RC	JRB
0	03-23-21	INITIAL SUBMISSION NOT FOR CONSTRUCTION	RC	JRB



N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
 PROFESSIONAL ENGINEER

NY LICENSE: 086064 2/2/22

PROJECT NUMBER:
321.5002.Z17

SITE INFORMATION:
 8 DEKALB AVENUE
 WHITE PLAINS, NY 10601

WST_WHP_N087

DESIGN TYPE:
 LIGHT POLE

SHEET TITLE:
 CABLE ROUTING

SHEET NUMBER:
C04

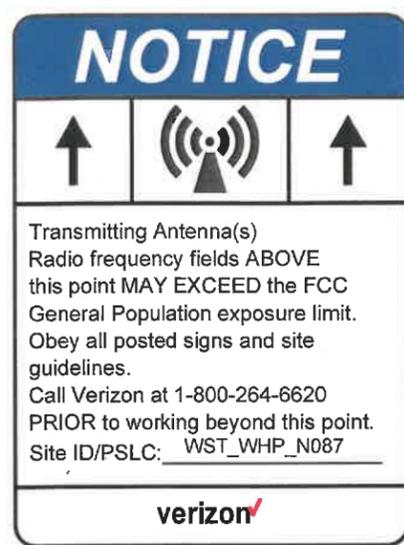
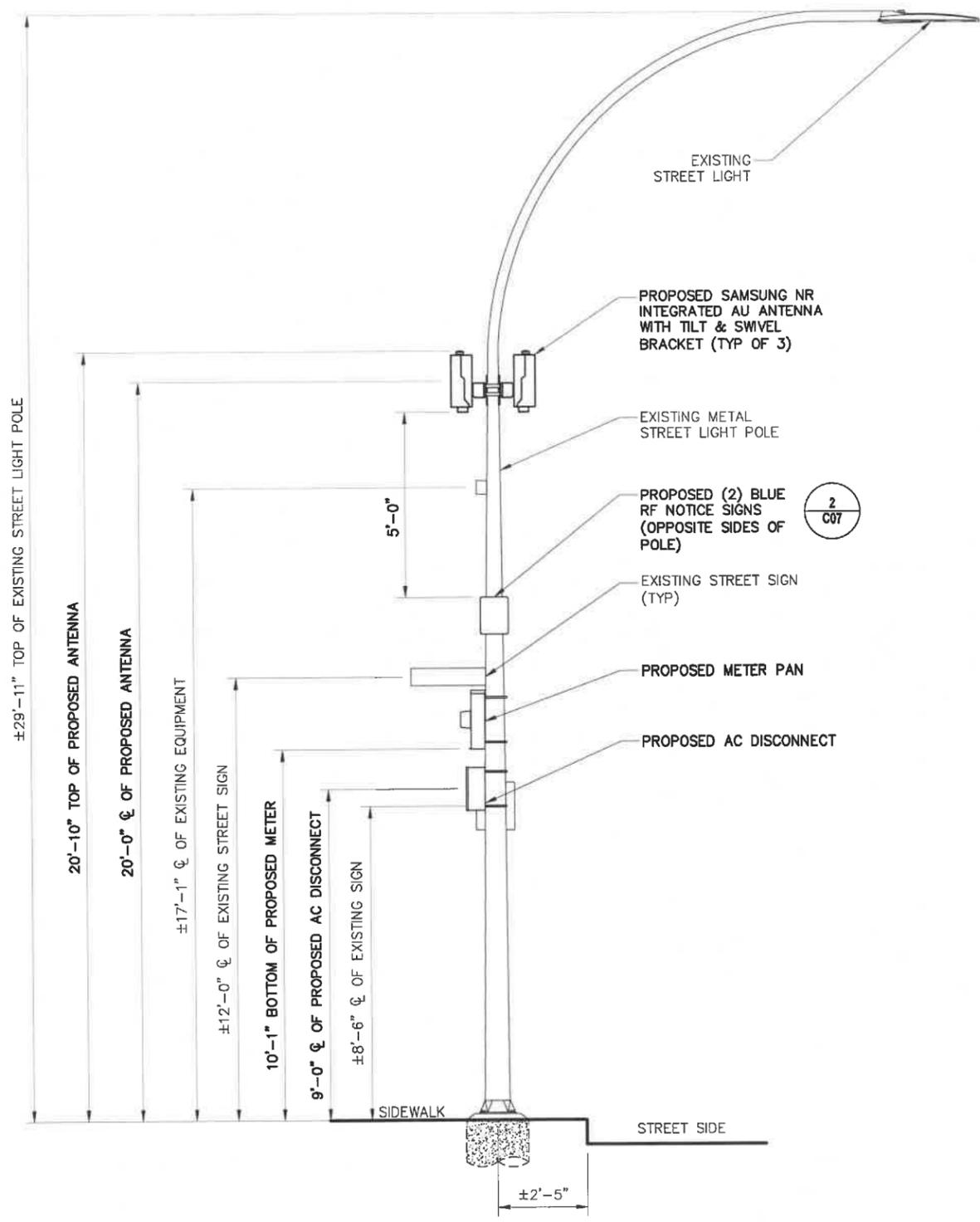
REV.:
3

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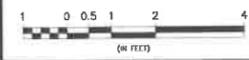
K:\321_Verizon_321.5002_SQUAN\321.5002_White Plains\321.5002.Z17_Small Cell\321.5002.Z17_CAD\321.5002.Z17_Construction\321.5002.Z17.C04.dwg, 2/2/2022, 10:57:35 AM, MSeebach

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NOTES:
 EBL'S MODELING INDICATES THAT BASED ON WORST-CASE MODELING CALCULATIONS RELATED TO THE PROPOSED ANTENNAS AT GROUND LEVEL, THE MAXIMUM CUMULATIVE EXPOSURE LEVEL FROM ALL CARRIERS ON THIS SITE IS APPROXIMATELY 7.5 PERCENT OF THE FCC'S GENERAL POPULATION LIMIT (1.5 PERCENT OF THE FCC'S OCCUPATIONAL LIMIT). AS NOTED ABOVE, THERE MAY BE EXPOSURES THAT EXCEED THE FCC'S GENERAL POPULATION LIMITS, BUT AS THESE TRANSMIT IN FRONT OF THE ANTENNAS INTO FREE SPACE/MIDAIR, NO WALKING SURFACES ARE AFFECTED. AS A PRECAUTION, AND IN ORDER TO ALERT PEOPLE ACCESSING THE TRAFFIC LIGHT POLE, BLUE NOTICE SIGNS ARE RECOMMENDED FOR INSTALLATION 5 FEET BELOW THE BOTTOM OF THE ANTENNAS ON OPPOSITE SIDES OF THE TRAFFIC LIGHT POLE.



2 RF NOTICE
 SCALE: NTS



1 MITIGATION DESIGN
 11x17 SCALE: 1/4" = 1'-0" 24x36 SCALE: 1/2" = 1'-0"



REV.	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD. BY
3	02-02-22	REVISED PER CLIENT COMMENTS	RC	JRB
2	09-24-21	REVISED PER CLIENT COMMENTS	RC	JRB
1	06-17-21	REVISED PER CLIENT COMMENTS	RC	JRB
0	03-23-21	INITIAL SUBMISSION NOT FOR CONSTRUCTION	RC	JRB



N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
 PROFESSIONAL ENGINEER
 NY LICENSE: 086064 2/2/22

PROJECT NUMBER:
321.5002.Z17

SITE INFORMATION:
 8 DEKALB AVENUE
 WHITE PLAINS, NY 10601

WST_WHP_N087

DESIGN TYPE:
 LIGHT POLE

SHEET TITLE:
 MITIGATION DESIGN

SHEET NUMBER: **C07** REV.: **3**

K:\321_Verizon\321.5002_SQUAN\321.5002_White Plains\321.5002.Z17_Small Cell\321.5002.Z17_Construction\321.5002.Z17_C07.dwg, 2/2/2022 10:57:48 AM, WSeebach

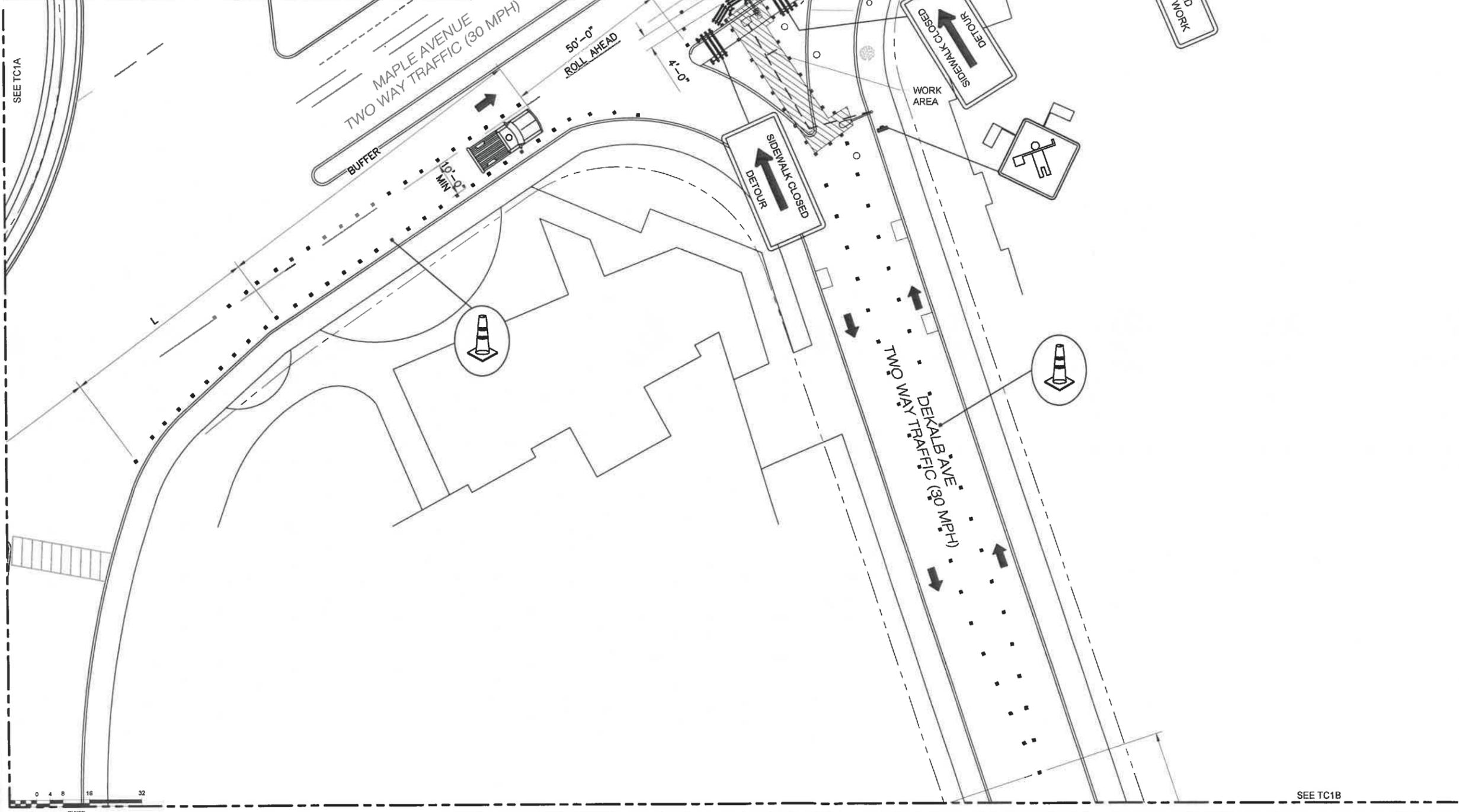
SPEED*	LANE TAPER: 1:1 (IN FT.) # SKIP LINES/# OF CONES			SHOULDER TAPER: 1:3 (IN FT.) # SKIP LINES/# OF CONES	
	FOR LANE WIDTH	FOR LANE WIDTH	FOR LANE WIDTH	Less than 8 FT. (MIN - MAX)	8 FT OR WIDER (MIN)
25	120/3/4	120/3/4	140/3/5	20/1/2 - 40/1/2	40/1/2
30	160/4/5	160/5/6	180/5/6	20/1/2 - 40/1/2	40/1/2
35	220/6/7	240/6/7	260/7/8	40/1/2 - 60/2/3	60/2/3
40	280/7/8	300/8/9	320/8/9	40/1/2 - 60/2/3	60/2/3
45	460/12/12	500/13/13	540/14/14	60/2/3 - 100/3/4	120/3/4
50	500/13/14	550/14/15	600/15/16	60/2/3 - 100/3/4	140/4/5
55	560/14/15	620/16/17	660/17/18	80/2/3 - 120/3/4	160/4/5
65	660/17/18	720/18/19	780/20/21	100/3/4 - 140/4/5	180/5/6

Roadway	SPEED*	DISTANCE BETWEEN SIGNS FOR LANE WIDTH			SIGN LEGEND	
		A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN LOW (≤30 MPH)	30	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH)	35	200	200	200		
URBAN HIGH (45 MPH)	45	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	500	1500 FT.	1000 FT.
Expressway /Freeway	1000	1500	2400		1 MILE	1/2 MILE

SPEED*	BUFFER SPACE IN FT
25	150 (-8 Skip Lines)
30	180 (-8 Skip Lines)
35	250 (-8 Skip Lines)
40	300 (-8 Skip Lines)
45	360 (-9 Skip Lines)
50	425 (-11 Skip Lines)
55	495 (-13 Skip Lines)
65	645 (-16 Skip Lines)



To be setup in accordance with TAST-C5 of the WZTC Manual



SEE TC1A

SEE TC1B

1 VEHICULAR TRAFFIC CONTROL PLAN (PHASE 1)

11x17 SCALE: 1/32" = 1'-0" 24x36 SCALE: 1/16" = 1'-0"



REV.	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD. BY
5	02-02-22	REVISED PER CLIENT COMMENTS	RC	JRB
2	09-24-21	REVISED PER CLIENT COMMENTS	RC	JRB
1	06-17-21	REVISED PER CLIENT COMMENTS	RC	JRB
0	03-23-21	INITIAL SUBMISSION NOT FOR CONSTRUCTION	RC	JRB



N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
PROFESSIONAL ENGINEER
NY LICENSE: 086064 2/2/22

PROJECT NUMBER:
321.5002.Z17

SITE INFORMATION:
8 DEKALB AVENUE
WHITE PLAINS, NY 10601

WST_WHP_N087

DESIGN TYPE:
LIGHT POLE

SHEET TITLE:
VEHICULAR TRAFFIC CONTROL PLAN

SHEET NUMBER:
TC1

REV.:
3

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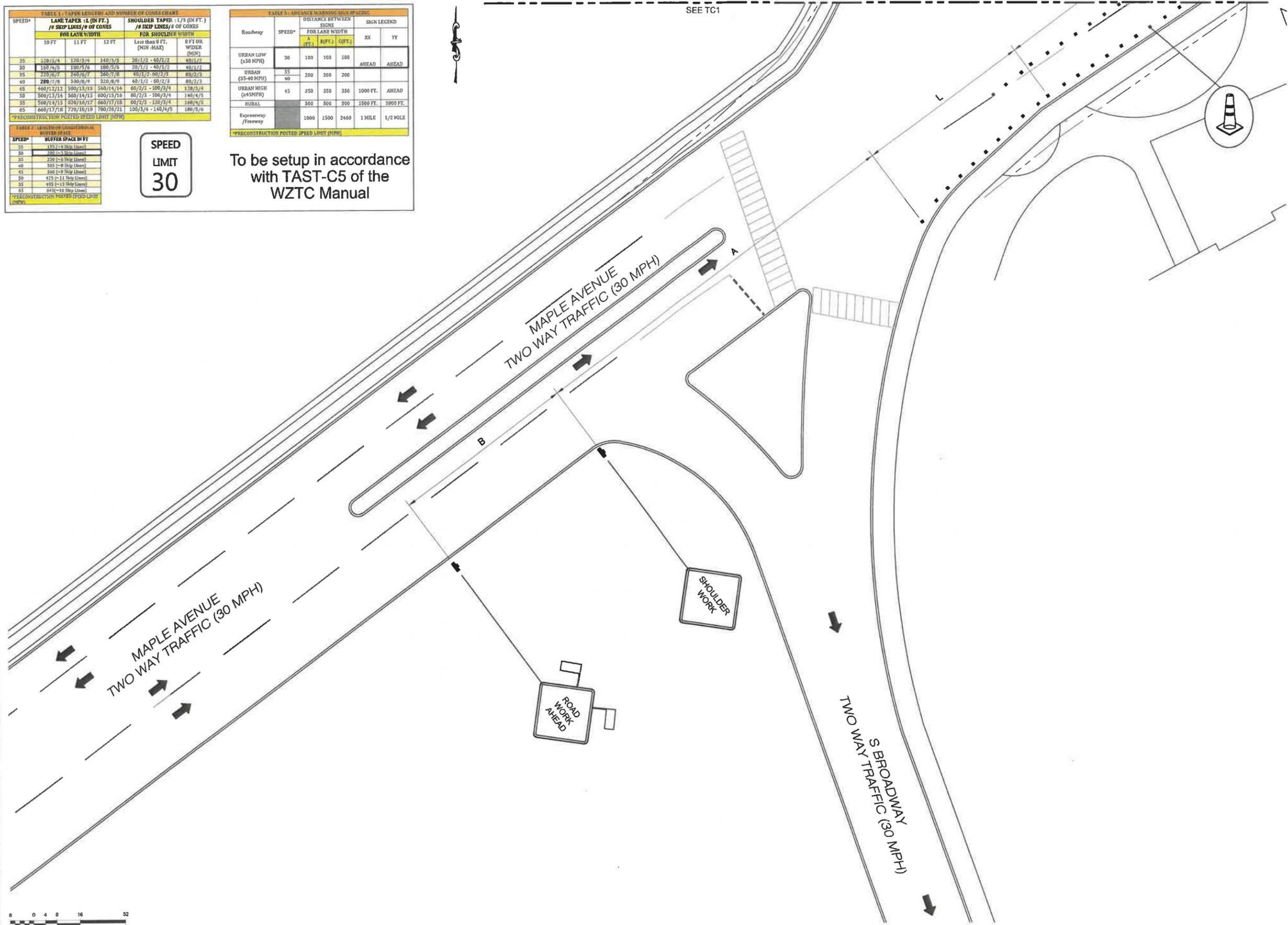
SPEED*	LANE TAPER: 1:1 (IN FT.) # OF CONES / # OF LANE WIDTH			SHOULDER TAPER: 1:2 (IN FT.) # OF CONES / # OF SHOULDER WIDTH	
	10 FT	11 FT	12 FT	Less than 8 FT. (MIN - MAX)	8 FT OR WIDER (MIN)
25	120/3/4	120/3/4	140/3/3	20/1/2 - 40/1/2	40/1/2
30	150/4/5	180/5/6	180/5/6	20/1/2 - 40/1/2	40/1/2
35	220/6/7	240/6/7	360/7/8	40/1/2 - 60/2/3	60/2/3
40	280/7/8	300/8/9	320/8/9	40/1/2 - 60/2/3	60/2/3
45	460/12/12	500/13/13	540/14/14	60/2/3 - 100/3/4	120/3/4
50	500/13/14	560/14/15	600/15/16	60/2/3 - 100/3/4	140/4/5
55	500/14/15	620/16/17	660/17/18	80/2/3 - 120/3/4	140/4/5
65	660/17/18	720/18/19	780/20/21	100/3/4 - 140/4/5	180/5/6

Roadway	SPEED*	DISTANCE BETWEEN SIGNS FOR LANE WIDTH			SIGN LEGEND	
		A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN LOW (30 MPH)	30	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH)	35	200	200	200		
URBAN HIGH (45 MPH)	45	350	350	350	1000 FT.	AHEAD
RURAL		500	500	500	1500 FT.	1000 FT.
Expressway /Freeway		1000	1500	2400	1 MILE	1/2 MILE

SPEED*	BUFFER SPACE IN FT.
25	135 (-4 Strip Lanes)
30	200 (-6 Strip Lanes)
35	250 (-6 Strip Lanes)
40	305 (-8 Strip Lanes)
45	360 (-9 Strip Lanes)
50	425 (-11 Strip Lanes)
55	495 (-13 Strip Lanes)
65	645 (-16 Strip Lanes)

**SPEED
LIMIT
30**

To be setup in accordance
with TAST-C5 of the
WZTC Manual



verizon

SQUAN
solutions for wireless ecosystems

REV.	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD. BY
2	02-22-22	REVISED PER CLIENT COMMENTS	RC	JRB
2	09-24-21	REVISED PER CLIENT COMMENTS	RC	JRB
1	06-17-21	REVISED PER CLIENT COMMENTS	RC	JRB
0	03-23-21	INITIAL SUBMISSION NOT FOR CONSTRUCTION	RC	JRB

KMB
DESIGN GROUP
kmbdg.com

1800 ROUTE 34, SUITE 209
WALL, NJ 07719
(732) 280-5623

N.Y. CERTIFICATE OF AUTHORIZATION: 081784

STATE OF NEW YORK
STEPHEN A. BRAY
LICENSED PROFESSIONAL ENGINEER
086064

Stephen A. Bray
PROFESSIONAL ENGINEER
NY LICENSE: 086064 2/2/22

PROJECT NUMBER:
321.5002.Z17

SITE INFORMATION:
8 DEKALB AVENUE
WHITE PLAINS, NY 10601

WST_WHP_N087

DESIGN TYPE:
LIGHT POLE

SHEET TITLE:
VEHICULAR
TRAFFIC CONTROL PLAN

SHEET NUMBER:
TC1A

REV.:
3

1 VEHICULAR TRAFFIC CONTROL PLAN (PHASE 1)

11x17 SCALE: 1/32" = 1'-0" 24x36 SCALE: 1/16" = 1'-0"

K:\321_Verizon\321.5002_SQUAN\321.5002_White Plains\321.5002.Z17_Small Call\321.5002.Z17_Construction\321.5002.Z17_TC1.dwg, 2/2/2022 10:57:55 AM, WSeebach

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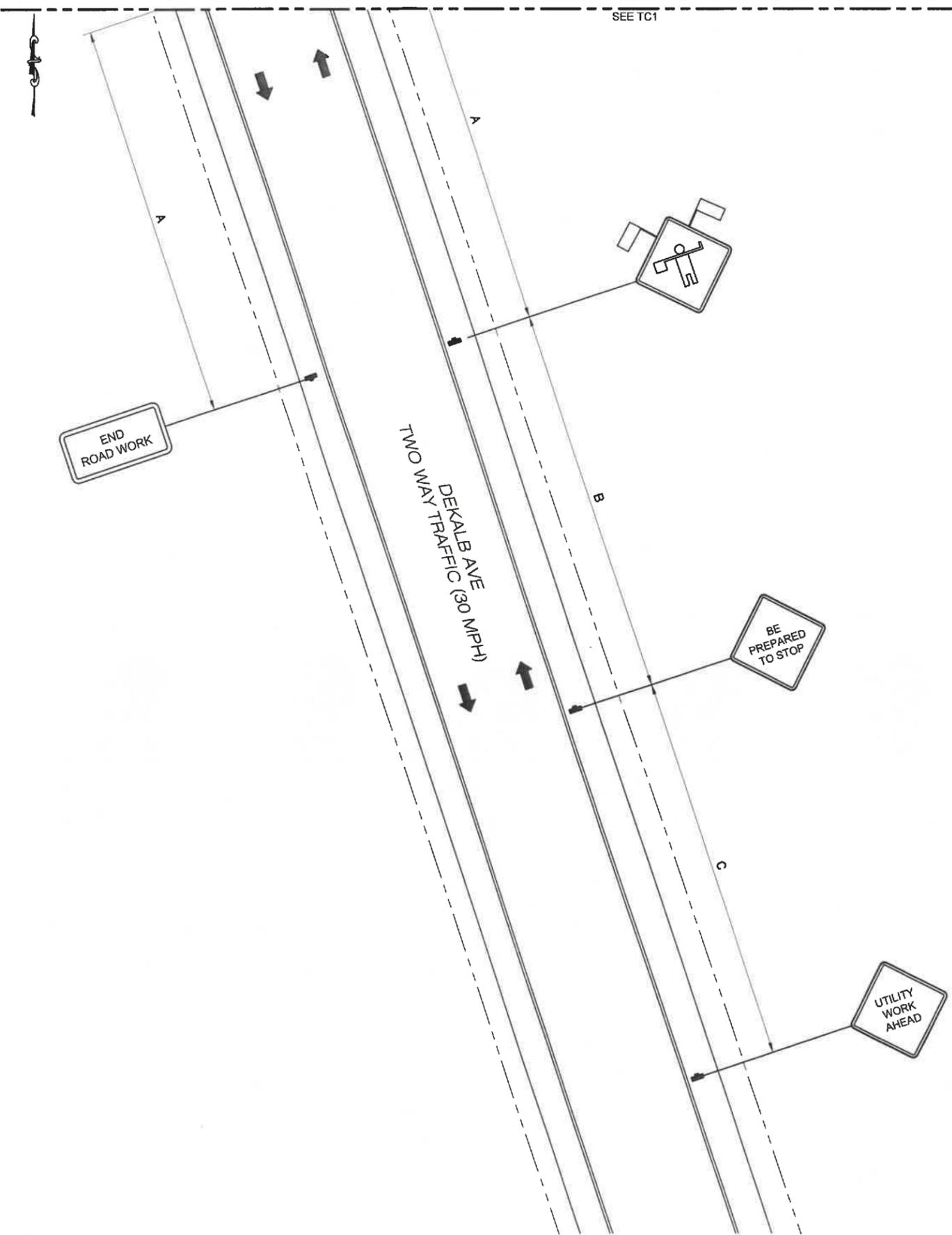
SPEED*	LANE TAPER - L (IN FT.) # SKIP LINES/# OF CONES			SHOULDER TAPER - L (IN FT.) # SKIP LINES/# OF CONES	
	10 FT	11 FT	12 FT	Less than 9 FT. (MIN -MAX)	9 FT OR WIDER (MIN)
25	120/3/4	120/3/4	140/3/5	29/1/2 - 40/1/2	40/1/2
30	160/4/5	180/5/6	180/5/6	29/1/2 - 40/1/2	40/1/2
35	220/6/7	240/6/7	280/7/8	40/1/2 - 60/1/2	80/2/3
40	280/7/8	300/8/9	320/8/9	40/1/2 - 60/1/2	80/2/3
45	460/12/12	500/13/13	540/14/14	60/2/3 - 100/3/4	100/3/4
50	500/13/14	560/14/15	600/15/16	60/2/3 - 100/3/4	100/3/4
55	560/14/15	620/15/17	660/17/18	60/2/3 - 120/3/4	100/3/4
65	660/17/18	720/18/19	780/20/21	100/3/4 - 140/4/5	180/5/6

Roadway	SPEED*	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
		X (FT.)	Y (FT.)	Z (FT.)	XX	YY
URBAN LOW (30 MPH)	30	100	100	100	AHEAD	AHEAD
	40	200	200	200		
URBAN (35-40 MPH)	35					
	40					
URBAN HIGH (45 MPH)	45	350	350	350	1000 FT.	AHEAD
RURAL	50	500	500	500	1500 FT.	1000 FT.
Expressway /Freeway	1000	1500	2400	1 MILE	1/2 MILE	

SPEED*	BUFFER SPACE IN FT
25	150 (-4 Stop Lines)
30	200 (-4 Stop Lines)
35	250 (-6 Stop Lines)
40	300 (-8 Stop Lines)
45	360 (-9 Stop Lines)
50	425 (-11 Stop Lines)
55	495 (-13 Stop Lines)
60	645 (-16 Stop Lines)

**SPEED
LIMIT
30**

To be setup in accordance with TAST-C5 of the WZTC Manual



1 VEHICULAR TRAFFIC CONTROL PLAN (PHASE 1)
 11x17 SCALE: 1/32" = 1'-0" 24x36 SCALE: 1/16" = 1'-0"



REV.	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD. BY
3	02-02-22	REVISED PER CLIENT COMMENTS	RC	JRB
2	09-24-21	REVISED PER CLIENT COMMENTS	RC	JRB
1	06-17-21	REVISED PER CLIENT COMMENTS	RC	JRB
0	05-23-21	INITIAL SUBMISSION NOT FOR CONSTRUCTION	RC	JRB



N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
 PROFESSIONAL ENGINEER
 NY LICENSE: 086064 2/2/22

PROJECT NUMBER: **321.5002.Z17**

SITE INFORMATION:
 8 DEKALB AVENUE
 WHITE PLAINS, NY 10601

WST_WHP_N087

DESIGN TYPE: LIGHT POLE

SHEET TITLE:
 VEHICULAR TRAFFIC CONTROL PLAN

SHEET NUMBER: **TC1B** REV: **3**

K:\321_Verizon\321.5000_SQUAN\321.5002.Z17_Small Cell\321.5002.Z17_CAD\321.5002.Z17_Construction\321.5002.Z17.TC1.dwg, 2/2/2022 10:57:56 AM, WSeebach

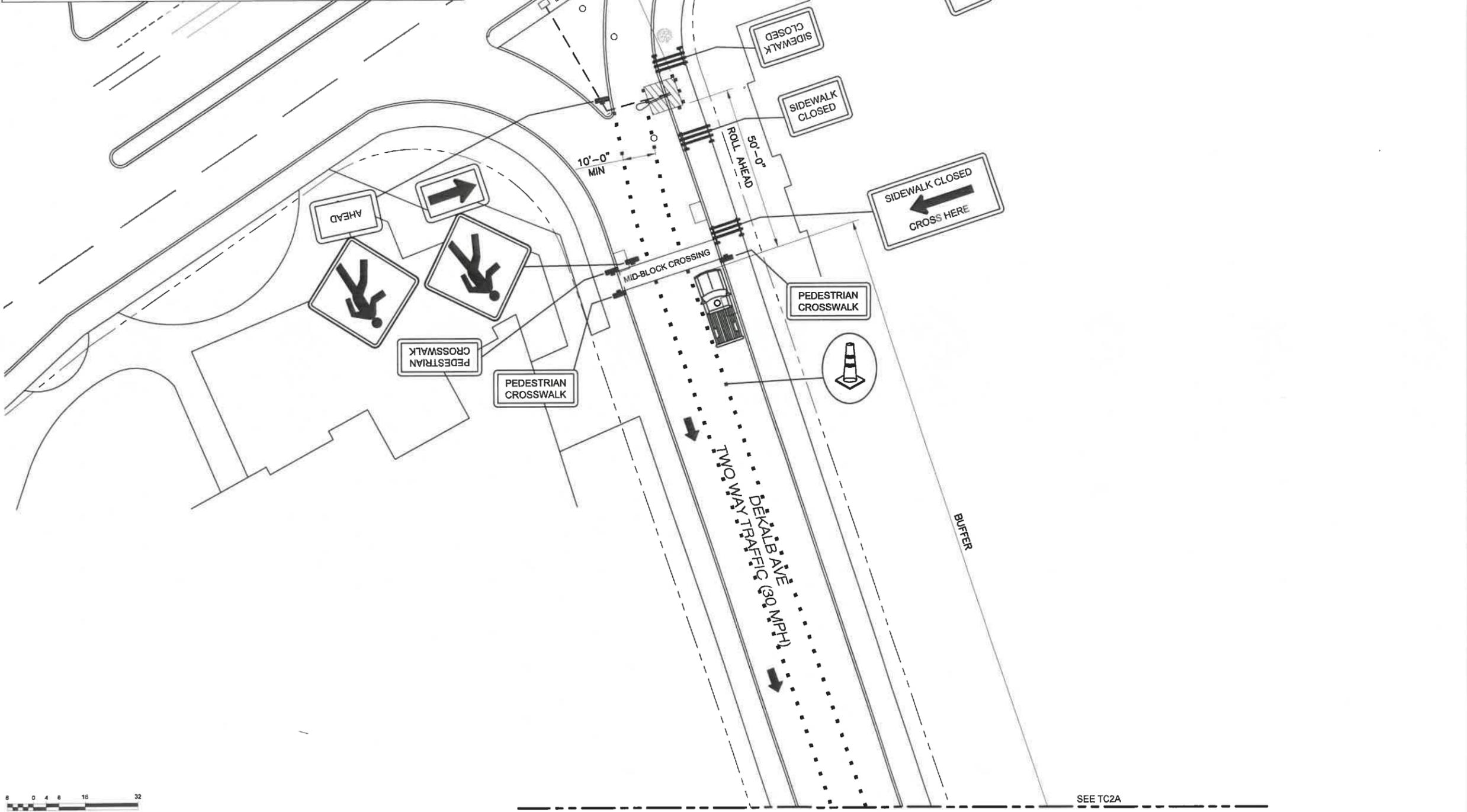
SPEED*	LANE TAPER - L (IN FT.) # SKIP LINES/ # OF CONES			SHOULDER TAPER - 1/2 (IN FT.) # SKIP LINES/ # OF CONES	
	FOR LANE WIDTH	FOR SHOULDER WIDTH	FOR SHOULDER WIDTH	FOR SHOULDER WIDTH	FOR SHOULDER WIDTH
25	120 (3/4)	120 (3/4)	140 (3/3)	20 (1/2 - 40/2/2)	40 (1/2)
30	160 (4/5)	160 (5/6)	180 (5/6)	20 (1/2 - 40/2/2)	40 (1/2)
35	220 (6/7)	240 (6/7)	260 (7/8)	40 (1/2 - 60/2/3)	80 (2/3)
40	280 (7/8)	300 (8/9)	320 (8/9)	40 (1/2 - 60/2/3)	80 (2/3)
45	460 (12/13)	500 (13/13)	540 (14/14)	60 (2/3 - 100/3/4)	120 (3/4)
50	560 (14/14)	560 (14/14)	600 (15/16)	80 (2/3 - 100/3/4)	140 (4/5)
55	560 (14/14)	570 (15/17)	640 (17/18)	80 (2/3 - 120/3/4)	160 (4/5)
65	660 (17/18)	720 (18/19)	780 (20/21)	100 (3/4 - 140/4/5)	180 (5/6)

Roadway	SPEED*	DISTANCE BETWEEN SIGNS FOR LANE WIDTH			SIGN LEGEND	
		A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN LOW (≤30 MPH)	30	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH)	35	200	200	200		
URBAN HIGH (45-50 MPH)	45	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	500	1500 FT.	1000 FT.
Expressway / Freeway	1000	1500	2400	2400	1 MILE	1/2 MILE

SPEED*	BUFFER SPACE IN FT.
25	100 (-4 Skip Lines)
30	140 (-4 Skip Lines)
35	250 (-6 Skip Lines)
40	300 (-8 Skip Lines)
45	390 (-9 Skip Lines)
50	420 (-11 Skip Lines)
55	495 (-13 Skip Lines)
65	615 (-16 Skip Lines)

**SPEED
LIMIT
30**

To be setup in accordance
with TAST-C5 of the
WZTC Manual



SEE TC2A

1 VEHICULAR TRAFFIC CONTROL PLAN (PHASE 2)

11x17 SCALE: 1/32" = 1'-0" 24x36 SCALE: 1/16" = 1'-0"



REV.	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD. BY
3	02-02-22	REVISED PER CLIENT COMMENTS	RC	JRB
2	09-24-21	REVISED PER CLIENT COMMENTS	RC	JRB
1	06-17-21	REVISED PER CLIENT COMMENTS	RC	JRB
0	03-23-21	INITIAL SUBMISSION NOT FOR CONSTRUCTION	RC	JRB



N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
PROFESSIONAL ENGINEER
NY LICENSE: 086064 2/2/22

PROJECT NUMBER:
321.5002.Z17

SITE INFORMATION:
**8 DEKALB AVENUE
WHITE PLAINS, NY 10601**

WST_WHP_N087

DESIGN TYPE:
LIGHT POLE

SHEET TITLE:
**VEHICULAR
TRAFFIC CONTROL PLAN**

SHEET NUMBER: **TC2** REV.: **3**

K:\321_Verizon\321.5002_SQUAN\321.5002_Z17_Small Cell\321.5002.Z17_CAD\321.5002.Z17_Construction\321.5002.Z17_TCI.dwg, 2/2/2022, 10:57:57 AM, WSeebach

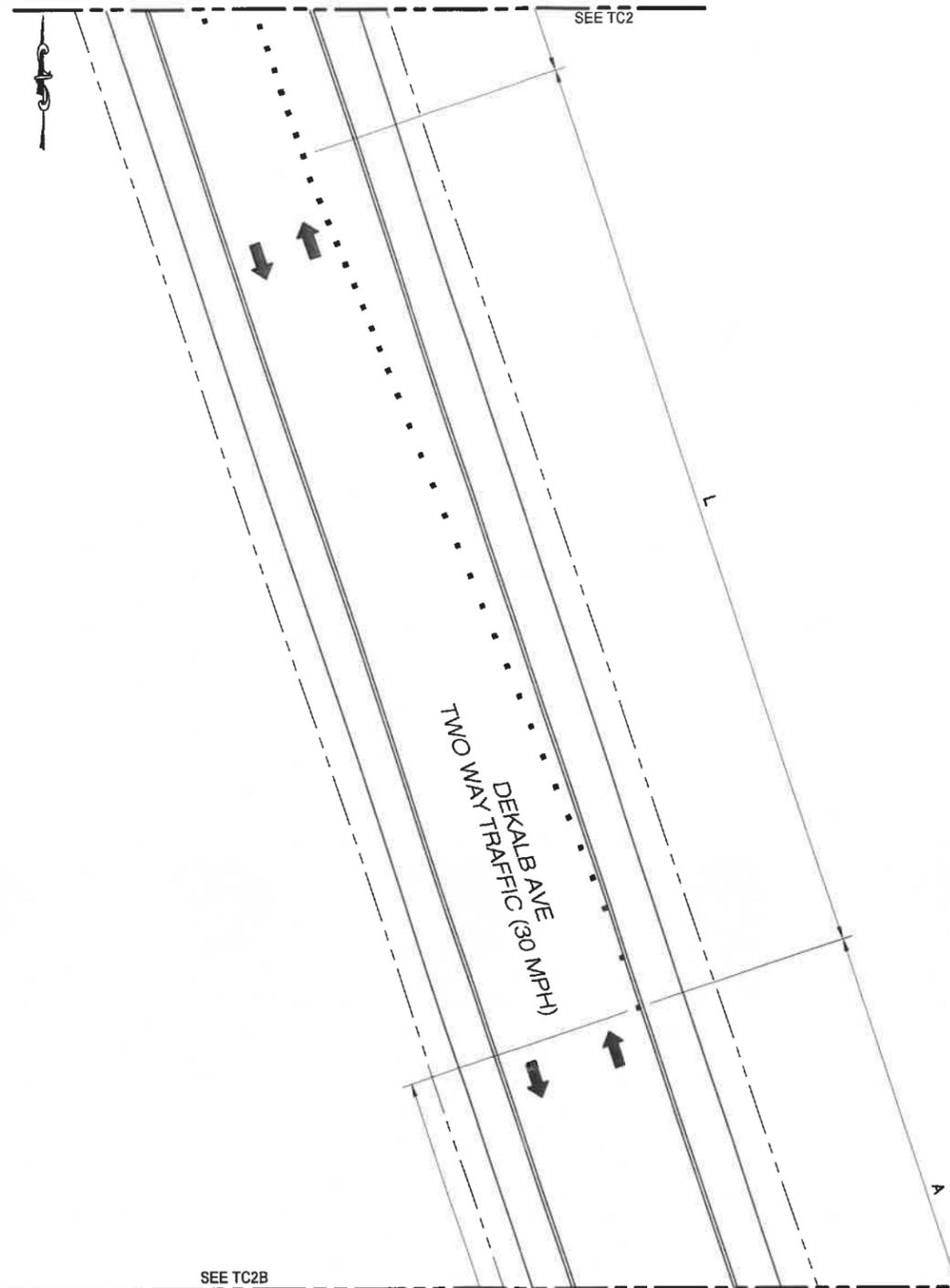
SPEED*	LANE TAPER : L (IN FT.) / # SKIP LINES / # OF CONES			SHOULDER TAPER : L / # SKIP LINES / # OF CONES	
	FOR LANE WIDTH			FOR SHOULDER WIDTH	
	10 FT	11 FT	12 FT	Less than 8 FT. (MIN-MAX)	8 FT OR WIDER (MIN)
25	120/8/4	120/7/4	140/3/1	20/1/1 - 40/1/2	40/1/2
30	180/9/5	180/5/6	180/5/6	20/1/1 - 40/1/2	40/1/2
35	220/7/7	240/5/7	280/7/8	40/1/2 - 60/2/3	60/2/3
40	280/7/8	300/6/8	320/8/9	40/1/2 - 60/2/3	60/2/3
45	460/12/12	500/13/13	540/14/14	60/2/3 - 100/3/4	120/3/4
50	500/13/14	560/14/15	600/15/16	80/2/3 - 100/3/4	140/4/5
55	560/14/15	620/15/17	660/17/18	80/2/3 - 120/3/4	160/4/5
65	660/15/18	720/18/19	780/20/21	100/3/4 - 140/4/5	180/5/6

Roadway	SPEED*	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
		A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN LOW (≤30 MPH)	30	100	100	100	AHEAD	AHEAD
	35	200	200	200		
URBAN HIGH (>30 MPH)	45	350	350	350	1000 FT.	AHEAD
	50	500	500	500	1500 FT.	1000 FT.
RURAL		1000	1500	2400	1 MILE	1/2 MILE

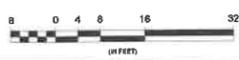
SPEED*	BUFFER SPACE IN FT
25	155 (-8 Skip Lines)
30	200 (-8 Skip Lines)
35	250 (-8 Skip Lines)
40	305 (-8 Skip Lines)
45	360 (-9 Skip Lines)
50	425 (-11 Skip Lines)
55	495 (-13 Skip Lines)
65	645 (-16 Skip Lines)



To be setup in accordance with TAST-C5 of the WZTC Manual



SEE TC2B



1 VEHICULAR TRAFFIC CONTROL PLAN (PHASE 2)

11x17 SCALE: 1/32" = 1'-0" 24x36 SCALE: 1/16" = 1'-0"



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N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
PROFESSIONAL ENGINEER
NY LICENSE: 086064 2/2/22

PROJECT NUMBER: **321.5002.Z17**

SITE INFORMATION:
**8 DEKALB AVENUE
WHITE PLAINS, NY 10601**

WST_WHP_N087

DESIGN TYPE: **LIGHT POLE**

SHEET TITLE: **VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER: **TC2A** REV.: **3**

K:\321_Verizon\321.5002_SQUAN\321.5002_White Plains\321.5002.Z17_Small Cell\321.5002.Z17_CAD\321.5002.Z17_Construction\321.5002.Z17.TC1.dwg, 2/2/2022 10:57:58 AM, WSeebach

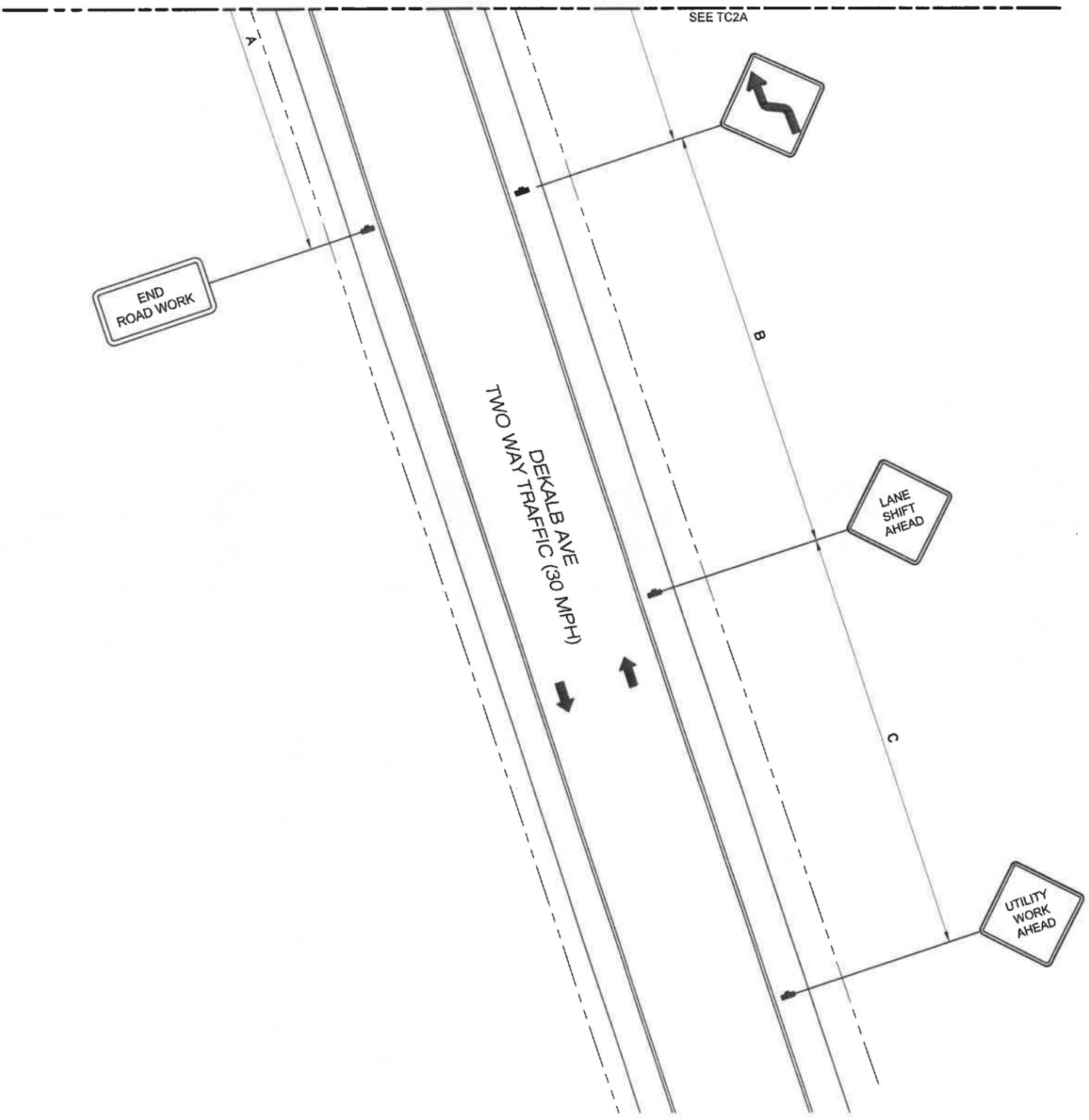
SPEED*	LANE TAPER: ±1 (IN FT.) / # SKIP LINES/# OF CONES			SHOULDER TAPER: 1/2 (IN FT.) / # SKIP LINES/# OF CONES	
	FOR LANE WIDTH	FOR SHOULDER WIDTH	FOR SHOULDER WIDTH	Less than 8 FT. (MIN-MAX)	8 FT OR WIDER (MIN)
25	120 (3/4)	120 (3/4)	140 (3/5)	20 (1/2 - 40 (1/2)	40 (1/2)
30	160 (4/5)	180 (5/6)	180 (5/6)	20 (1/2 - 40 (1/2)	40 (1/2)
35	220 (6/7)	240 (6/7)	260 (7/8)	40 (1/2 - 60 (2/3)	60 (2/3)
40	280 (7/8)	300 (8/9)	320 (8/9)	40 (1/2 - 60 (2/3)	60 (2/3)
45	460 (12/12)	500 (15/15)	540 (14/14)	60 (2/3 - 100 (3/4)	120 (3/4)
50	560 (13/13)	560 (14/14)	600 (15/15)	60 (2/3 - 100 (3/4)	140 (4/5)
55	800 (14/14)	820 (16/17)	860 (17/18)	80 (2/3 - 120 (3/4)	140 (4/5)
65	660 (17/18)	720 (18/19)	780 (20/21)	100 (3/4 - 140 (4/5)	180 (5/6)

Roadway	SPEED*	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
		A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN LOW (≤30 MPH)	30	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH)	35	200	200	200		
URBAN HIGH (45-50 MPH)	45	350	350	350	1000 FT.	AHEAD
RURAL		500	500	500	1500 FT.	1000 FT.
Expressway / Freeway		1000	1500	2400	1 MILE	1/2 MILE

SPEED*	BUFFER SPACE IN FT.
25	135 (-4 Skip Lines)
30	180 (-5 Skip Lines)
35	230 (-6 Skip Lines)
40	305 (-8 Skip Lines)
45	360 (-9 Skip Lines)
50	422 (-11 Skip Lines)
55	495 (-13 Skip Lines)
65	645 (-18 Skip Lines)



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N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
PROFESSIONAL ENGINEER
NY LICENSE: 086064 2/2/22

PROJECT NUMBER:
321.5002.Z17

SITE INFORMATION:
8 DEKALB AVENUE
WHITE PLAINS, NY 10601

WST_WHP_N087

DESIGN TYPE:
LIGHT POLE

SHEET TITLE:
VEHICULAR TRAFFIC CONTROL PLAN

SHEET NUMBER:
TC2B

REV.:
3

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K:\321_Verizon\321.5002_SQUAN\321.5002_White Plains\321.5002.Z17_Small Cell\321.5002.Z17_Construction\321.5002.Z17_TC1.dwg, 2/2/2022, 10:57:59 AM, WSeebach

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General
 The construction document drawings are interrelated. When performing the work, each contractor must refer to all drawings. Coordination is the responsibility of the general contractor.

- General Requirements**
- Part 1 - General**
- Obtain and submit releases enabling the owner unrestricted use of the work and access to services and utilities; include occupancy permits, operating certificates and similar releases.
 - Submit record drawings, damage or settlement survey, property survey, and similar final record information.
 - Complete final clean up requirement, including touch-up painting. Touch up and otherwise repair and restore marred exposed finishes.

- Part 2 - Final Cleaning**
- Complete the following cleaning operations before requesting inspection for certification on completion.
 - Clean the project site, yard and grounds in areas disturbed by construction activities, including landscaped development area, of rubbish, waste materials, litter and foreign substances. Sweep paved areas broom clean. Remove petro-chemical spills, stains and other foreign deposits. Reke grounds that are neither planted nor paved, to a smooth even-textured surface.
 - Remove tools, construction equipment, machinery and surplus material from the site.
 - Remove snow and ice to provide safe access to the site and equipment enclosures.
 - Clean exposed exterior hard surfaced finishes to a dirt-free condition, free of stains, films and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces.
 - Remove debris from limited access spaces, including handholes, manholes, and similar spaces.
 - Remove labels that are not permanent labels.
 - Touch up and otherwise repair and restore marred exposed finishes and surfaces. Replace finishes and surfaces that cannot be satisfactorily repaired or restored, or that show evidence of repair or restoration. Do not paint over "UL" and similar labels, including electrical name plates.
 - Leave the project clean and ready for occupancy.
 - Dust off all equipment and items within equipment enclosure.
 - Removal of protection: Remove temporary protection and facilities installed during construction to protect previously completed installations during the remainder of the construction period.

- Site Work**
- Part 1 - General**
- Work included: See site plan.
 - Descriptions: If applicable, lease area, and underground utility easements are to be constructed to provide a well drained, easily maintained, even surface for use and access.
 - Quality Assurance
 - Apply soil sterilizer in accordance with manufacturer's recommendations (as needed).
 - Apply and maintain grass seed as recommended by the seed producer (if required).
 - Place and maintain vegetation landscaping, if included within the contract, as recommended by nursery industry standards.
 - Sequencing
 - Confirm survey stakes and set elevation stakes prior to any construction.
 - Construct temporary construction area designated area to be approved by construction manager and local authorities.
 - Apply soil sterilizer prior to placing base materials.
 - Grade, seed, fertilize, and mulch all areas disturbed by construction (including underground utility easements) immediately after bringing lease area to base course elevation, water to ensure growth.
 - After applications of final surfaces, apply soil sterilizer to stone surfaces.
 - Submittals
 - Before construction: If landscaping is applicable to the contract, submit two copies of the landscape plan on nursery letterhead. If a landscape allowance was included in the contract, provide an itemized listing of proposed costs on nursery letterhead.
 - After construction
 - Manufacturer's description of product and warranty statement on soil sterilizer.
 - Manufacturer's description of product on grass seed and fertilizer.
 - Landscaping warranty statement
 - Warranty
 - In addition to the warranty on all construction covered in the contract documents, the contractor shall repair all damage and restore area as close to original condition as possible at site and surroundings.
 - Soil sterilization application to guarantee vegetation free areas for one year from date of final inspection.
 - Disturbed area will reflect growth of new grass cover prior to final inspection.
 - Landscaping, if included within the scope of the contract, will be guaranteed for one year from date of final inspection.

- Part 2 - Products**
- Materials
 - Soil sterilizer shall be EPA-registered, pre-emergence liquid:

Total Kill Product 910 EPA 10292-7 (313) 563-8000	Phasar Corporation P.O. Box 5123 Dearborn, MI 48128
Ambush Herbicide EPA Registered (800) 526-4924	Framer Industrial Products 1435 Morris Ave Union, NJ 07083
 - Road and site materials shall conform to state and local DOT specifications III material (unless otherwise noted) - acceptable select fill shall be in accordance with state department of highway and transportation standard specifications.
 - Soil stabilizer fabric shall be Miraf 500x.

- Part 3 - Execution**
- Inspections: Local building inspectors shall be notified no less than 48 hours in advance of concrete pours, unless otherwise specified by jurisdiction.
 - Preparation
 - Clear brush and debris from lease area and underground utility easements as required for construction.
 - Unless otherwise instructed by lessee, transport all removed trees, brush and debris from the property to an authorized landfill.
 - Prior to placement of fill or base materials, roll the soil.
 - Where unstable soil conditions are encountered, line the areas with stabilizer mat prior to placement of fill or base material.
 - Installation
 - Clear excess spoils, if any, from job site and do not spread beyond the limits of project area unless authorized by project manager and agreed to by landowner.
 - Place fill or stone in six inch (6") maximum lifts, and compact before placing next lift.
 - Apply seed, fertilizer, and straw cover to all other disturbed areas, ditches, and drainage swales, not otherwise riprapped.
 - Apply seed and fertilizer to surface conditions which will encourage rooting, rake areas to be seeded to even the surface and loosen the soil.
 - Sow seed in two directions in twice the quantity recommended by the seed producer.
 - Ensure growth of seeded and landscaped area, by watering, up to the point of release from the contract. Continue to rework the bare areas until complete coverage is obtained.
 - Field quality control: Compact soils to maximum density in accordance with ASTM D-1557. Areas of settlement will be excavated and refilled at contractor's expense, indicate percentage of compaction achieved on as-built drawings.
 - Protection
 - Protect seeded areas from erosion by spreading straw to a uniform loose depth of 1-2 inches, stake and tie down as required. Use of erosion control mesh or mulch net will be an acceptable alternate.
 - Protect all exposed areas against washouts and soil erosion. Place straw bales at the inlet approach to all new or existing culverts. Where the site or road areas have been elevated immediately adjacent to the rail line, stake erosion control fabric full length in the swale to prevent contamination of the rail ballast. All erosion control methods shall conform to applicable building code requirements.

- Electrical**
- Contractor shall review the contract documents prior to ordering the electrical equipment and starting the actual construction. Contractor shall issue a written notice of all findings to the architect/engineer listing any discrepancies or conflicting information.
 - Electrical plans, details and diagrams are diagrammatic only. Verify exact locations and mounting heights or electrical equipment with owner prior to installation.
 - Each conductor of every system shall be permanently tagged in each panelboard, pullbox, junction box, switch box, etc. The type of tagging methods shall be in compliance with Occupational Safety and Health Administration (O.S.H.A.)
 - All materials and equipment shall be new and in good working condition when installed and shall be of the best grade and of the same manufacturer throughout for each class or group of equipment. Materials shall be listed "U.L." where applicable. Materials shall meet with approval of all governing bodies having jurisdiction. Materials shall be manufactured in accordance with applicable standards established by ANSI, NEMA, NFFU and "U.L." listed.
 - All conduit shall have a pull cord.
 - Provide project manager with one set of complete electrical "as installed" drawings at the completion of the job, showing actual dimensions, routings, and circuits.
 - All circuit breakers, fuses and electrical equipment shall have an interrupting short circuit current to which they may be subjected, and a minimum of 10,000 A.I.C.

- The entire electrical installation shall be grounded as required by IBC, NEC and all applicable codes.
- Patch, repair and paint any area that has been damaged in the course of the electrical work.
- Plastic plates for all switches, receptacles, telephone and blanked outlets shall have engraved lettering where indicated on the drawings. weatherproof receptacles shall have Sierra #WPD-8 lift coverplates.

- Service and Distribution**
- Wire and cable conductors shall be copper, 600V, type THHN or THWN, with a min. size of #12 AWG, color coded.
 - Meter socket ampere, voltage, number of phases shall be noted on the drawings. Manufactured by Milbank or approved equal, and shall be utility company approved.
 - Conduit:
 - Rigid conduit shall be U.L. label galvanized zinc coated with galvanized zinc interior and shall be used when installed in or under concrete slabs, in contact with the earth, under public roadways, in masonry walls or exposed on building exterior. Rigid conduit in contact with earth shall be 1/2 lapped wrapped with Hunts wrap process no. 3.
 - Flexible metallic conduit shall have U.L. listed label and may be used where permitted by code. Fittings shall be "jake" or "squeeze" type. All flexible conduits shall have full length ground wire.
 - It is required and will be the responsibility of the electrical contractor to notify 811 or other such utility locating agency 3 days before digging.
 - Contractor to coordinate with utility company for connection of temporary and permanent power to the site. The temporary power and all hookup costs are to be paid by the contractor.
 - All electrical equipment shall be labeled with permanent engraved plastic labels with white on blue background lettering (minimum letter height shall be one fourth inch (1/4"). Nameplates shall be fastened with stainless steel screws, not adhesive.
 - Upon completion of work, continuity, short circuit, and fall potential grounding tests shall be completed by electrical contractor. Results and reports to be supplied as part of closeout package. Clean premises of all debris resulting from work and leave work in a complete and undamaged condition.
 - Grounding electrode system
 - Preparation
 - Surface preparation: All connections shall be made to bare metal. All painted surfaces shall be field inspected and modified to ensure proper contact. No washers are allowed between the items being grounded. All connections are to have a non-oxidizing agent applied prior to installation.
 - If conductors must run through conduit, both ends of conduit shall be grounded. Seal both ends of conduit with silicone caulk.
 - External connections
 - If conductors must run through conduit, both ends of conduit shall be grounded. Seal both ends of conduit with silicone caulk. All buried grounding connections shall be made by the exothermic weld process. Connections shall include all cable to cable, splices, tees, crosses, etc. all cable to ground rods, ground rod splices and lightning protection systems are to be as indicated. All materials used (molds, welding metal, tools, etc.) shall be by "ultraweld" and installed per manufacturer's recommended procedures.
 - All above grade grounding and bonding conductors shall be connected by two hole crimp type (compression) connections (except for the ACEG and ground rod). Mechanical connections, fittings or connections that depend solely on solder shall not be used. All cable to cable connections shall be high pressure double crimp type connections. Connections to structural steel shall be exothermic welds.
 - Ground rods: All ground rods shall be 5/8-inch diameter x 10'-0" long "copperweld" or approved equal, of the number and locations indicated. Ground rods shall be driven full length vertical in undisturbed earth.
 - Ground conductors: All ground conductors shall be standard tinned solid bare copper annealed, and of size indicated on drawings unless otherwise noted.
 - Lugs
 - Lugs shall be 2-hole, long barrel, strand copper unless otherwise specified in the contract documents. Lugs shall be Thomas and Betts series #54__BE or equivalent

Grounding conductor size	Minimum bending radius to inside edge
No. 6 AWG to No. 4 AWG	6 inches
No. 2 AWG to No. 1/0 AWG	8 inches
No. 2/0 AWG to 4/0 AWG	12 inches
250 MCM to 750 MCM	24 inches

- Grounding resistance test report: Upon completion of the testing for each site, a test report showing resistance in OHMs must be submitted. Two (2) sets of test documents from the independent testing service are to be bound and submitted within one (1) week of work completion.

- Poles, Posts, and Standards (Single mast and self supporting towers)**
- General
 - Lighting rod and extension pipe including all appurtenances, to be furnished by owner, if required.
 - Grounding: Ground metal poles with a minimum of #2 AWG tinned solid bare copper conductor cadwelded to tower base plate.
 - Telecommunications Wiring Components (Fiber optic cable)
 - General
 - All materials, products or procedures incorporated into work shall be new and of standard commercial quality.
 - All materials and products specified in the contract documents shall be supplied by the contractor unless noted otherwise.
 - Materials:
 - Fiber optic cable:
 - Install fiber optic cable and terminations between antennas and equipment per manufacturer's recommendations with fiber optic cables supported at no more than 3'-0" o.c. weatherproof all connectors between the antenna and equipment per manufacturer's requirements. Terminate all fiber optic cable three feet (3') in excess of equipment location unless otherwise stated.
 - All equipment shall be installed as per manufacturer's instruction and utilizing manufacturer's approved hardware and methods.



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N.Y. CERTIFICATE OF AUTHORIZATION: 081784



Stephen A. Bray
 PROFESSIONAL ENGINEER
 NY LICENSE: 086064 2/2/22

PROJECT NUMBER:
321.5002.Z17

SITE INFORMATION:
 8 DEKALB AVENUE
 WHITE PLAINS, NY 10601

WST_WHP_N087

DESIGN TYPE:
 LIGHT POLE

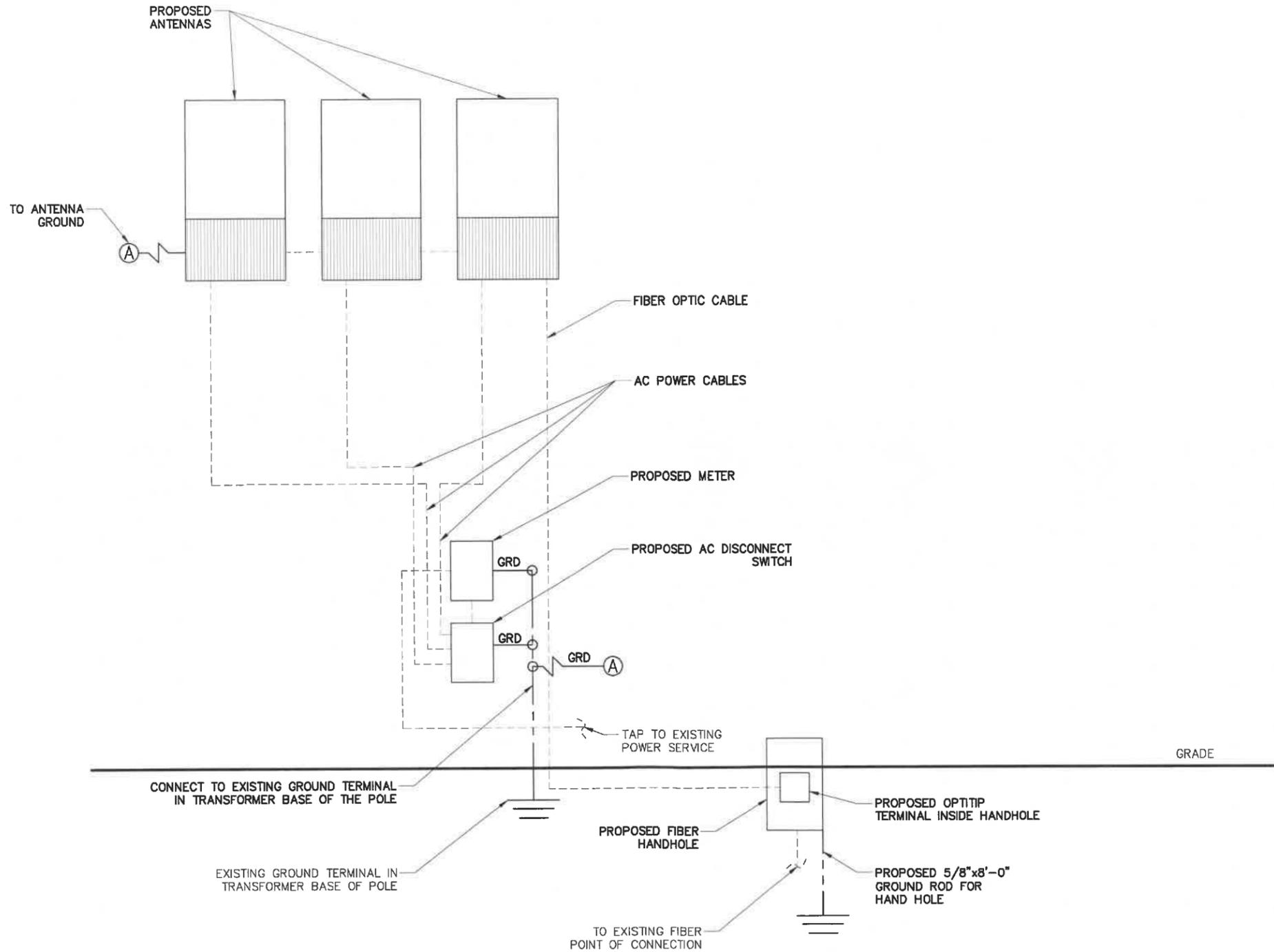
SHEET TITLE:
 GENERAL NOTES

SHEET NUMBER:
GN01

REV.:
3

K:\321_Verizon\321.5000_SQUAN\321.5002_Z17_Small Cell\321.5002_Z17_CAD\321.5002_Z17_Construction\321.5002_Z17.GN01.dwg, 2/2/2022 10:58:04 AM, WSeebach

- NOTES:
1. WIRING DIAGRAM IS FOR DIAGRAMMATIC PURPOSES ONLY. SEE ELEVATION DRAWING FOR EQUIPMENT AND ANTENNA LOCATIONS.
 2. POINT OF CONNECTION AND ROUTING FOR POWER, FIBER, AND ANY ADDITIONAL REQUIRED UTILITIES TO BE DETERMINED PENDING UTILITY COORDINATION.
 3. CONTRACTOR TO SURROUND COMPLETED CONNECTION WITH HEAT-SHRINK TUBING TO ENSURE WEATHER PROOF CONNECTION.
 4. ALL RGS TO BE GROUNDED AT BOTH ENDS USING GROUNDING BUSHINGS.
 5. GROUND WIRE TO BE RUN IN 1/2" SCHEDULE 40 PVC.



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1 WIRING DIAGRAM
SCALE: NTS



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SITE INFORMATION:
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WHITE PLAINS, NY 10601

WST_WHP_N087

DESIGN TYPE: **LIGHT POLE**

SHEET TITLE: **WIRING DIAGRAM**

SHEET NUMBER: **E01** REV.: **3**

K:\321_Verizon\321.5002_SQUAN\321.5002_White Plains\321.5002.Z17_Small Cell\321.5002.Z17_Construction\321.5002.Z17.E01.dwg, 2/2/2022 10:56:08 AM, WSeebach