

AGENDA

ANC 6A Transportation & Public Space Committee Meeting

Monday, December 19, 2022 at 7:00 pm

Virtual Meeting via Zoom

For those attending via Zoom: use this link: <https://us06web.zoom.us/j/81762512954>

Call-in Number: 1 301 715 8592

Webinar ID (access code): 817 6251 2954

One tap mobile: +16465588656,,81762512954#

Public Meeting – All are welcome

Community comment welcome; may be limited to 2 minutes to provide a chance for everyone to speak. Community comment time will be opened after each Old and New Business item.

- I. Call meeting to order.
- II. Introductions & Announcements (5 minutes)
- III. Old Business
 - A. 9th/K Streets NE pedestrian fatality. The DDOT Vision Zero team will discuss the fatal car crash that killed a pedestrian in November 2002 and actions to prevent additional fatalities.
 - B. 1300 block of North Carolina Avenue NE project (traffic calming/protected bike lanes). Will Handsfield from DDOT will discuss final design.
- IV. New Business
- V. Additional Community Comment (time permitting)
- VI. Adjourn meeting

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	1	32

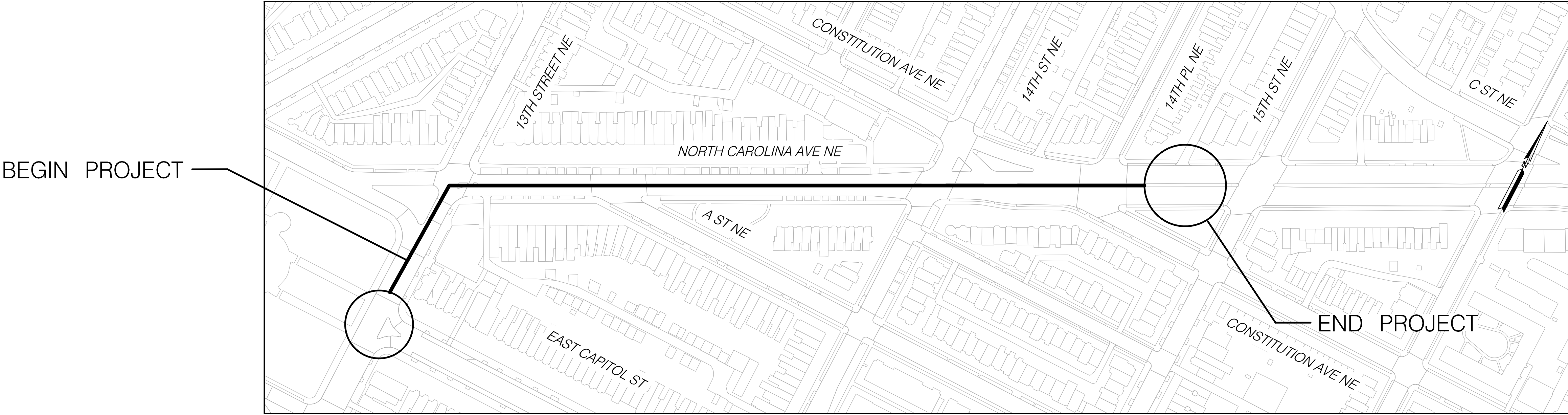
DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION

NORTH CAROLINA AVENUE NE
FROM 13TH STREET NE TO 14TH PLACE NE

SEPARATED BIKE LANES



KEY MAP



LOCATION MAP

60' 0 60' 120'
SCALE: 1" = 60'

VOLKERT
ENGINEERING, P.C.
1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION	
RECOMMENDED FOR APPROVAL:	
PROGRAM MANAGER DDOT: IPMD	
APPROVED:	
CHIEF ENGINEER	
DATE:	

T:\344200 - 2013 DDOT Master Contract\344229 - C Street NE Redesign\07 Design\DCN\Sheets\General\pGN-001_NorthCarolinaAve.dgn
Friday, October 01, 2022 AT 01:41 PM

INDEX OF DRAWINGS

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	2	32

SHEET NO.	DWG.	TITLE
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GENERAL (G)

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4	G - 4	SUMMARY OF QUANTITIES - 1
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7	P - 2	PAVEMENT PLAN - NORTH CAROLINA AVE - STA. 92+00.00 TO STA. 97+00.00
8	P - 3	PAVEMENT PLAN - NORTH CAROLINA AVE - STA. 97+00.00 TO STA. 103+50.00
9	P - 4	CURB RAMP DETAILS - 1
10	P - 5	CURVE RETURN TABLES -1

MAINTENANCE OF TRAFFIC (MT)

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12	MT - 2	MAINTENANCE OF TRAFFIC - QUANTITIES
13	MT - 3	MAINTENANCE OF TRAFFIC PLAN - PHASE 1 NORTH CAROLINA AVE
14	MT - 4	MAINTENANCE OF TRAFFIC PLAN - PHASE 1 NORTH CAROLINA AVE - STA. 92+00.00 TO STA. 97+00.00
15	MT - 5	MAINTENANCE OF TRAFFIC PLAN - PHASE 1 NORTH CAROLINA AVE STA. 97+00.00 TO STA. 103+00.00
16	MT - 6	MAINTENANCE OF TRAFFIC PLAN - PHASE 2 NORTH CAROLINA AVE
17	MT - 7	MAINTENANCE OF TRAFFIC PLAN - PHASE 2 NORTH CAROLINA AVE - STA. 92+00.00 TO STA. 97+00.00
18	MT - 8	MAINTENANCE OF TRAFFIC PLAN - PHASE 2 NORTH CAROLINA AVE STA. 97+00.00 TO STA. 103+00.00
19	MT - 9	TYPICAL TCP AND DETOUR PLAN

SIGNS AND PAVEMENT MARKING (SM)

20	SM - 1	SIGNS AND PAVEMENT MARKING PLAN - NORTH CAROLINA AVE
21	SM - 2	SIGNS AND PAVEMENT MARKING PLAN - NORTH CAROLINA AVE
22	SM - 3	SIGNS AND PAVEMENT MARKING PLAN - NORTH CAROLINA AVE
23	SM - 4	CROSSWALK DETAIL
24	SM - 5	PERMANENT SIGN SCHEDULE

TRAFFIC SIGNAL PLANS (SG)

25	SG - 1	13TH STREET, EAST CAPITOL STREET, AND NORTH CAROLINA AVE NE TRAFFIC SIGNAL MODIFICATION - STAGE 1
26	SG - 2	13TH STREET, EAST CAPITOL STREET, AND NORTH CAROLINA AVE NE TRAFFIC SIGNAL MODIFICATION - FINAL
27	SG - 3	13TH STREET, EAST CAPITOL STREET, AND NORTH CAROLINA AVE NE TRAFFIC SIGNAL MODIFICATION - CABLE
28	SG - 4	13TH STREET, EAST CAPITOL STREET, AND NORTH CAROLINA AVE NE TRAFFIC SIGNAL MODIFICATION - UTILITY
29	SG - 5	14TH STREET, NORTH CAROLINA AVENUE, AND CONSTITUTION AVENUE, NE TRAFFIC SIGNAL MODIFICATION - STAGE
30	SG - 6	14th STREET, NORTH CAROLINA AVENUE, AND CONSTITUTION AVENUE, NE TRAFFIC SIGNAL MODIFICATION - FINAL
31	SG - 7	14th STREET, NORTH CAROLINA AVENUE, AND CONSTITUTION AVENUE, NE TRAFFIC SIGNAL MODIFICATION - CABLE
32	SG - 8	14th STREET, NORTH CAROLINA AVENUE, AND CONSTITUTION AVENUE, NE TRAFFIC SIGNAL MODIFICATION -

VOLKERT

ENGINEERING, P.C.

1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

NO.	DESCRIPTION	NAME	DATE
REVISIONS			

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETSCAPE EXTENSION,
13TH ST NE TO 14 PL NE
WARD 6 – WASHINGTON, D.C.


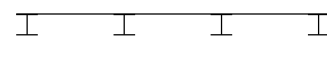













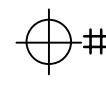


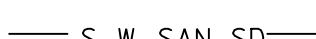



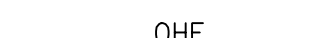
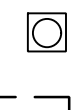

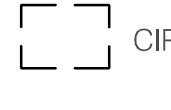

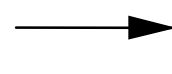



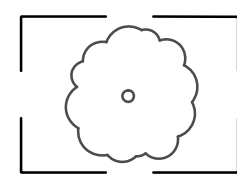

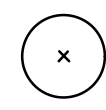
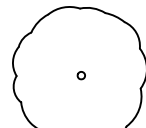
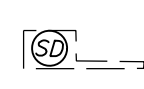
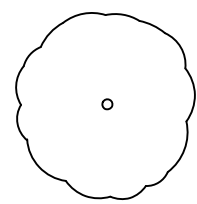





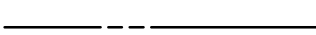



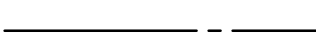
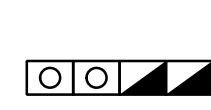
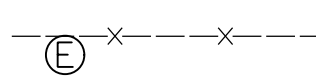




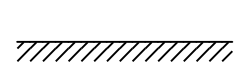
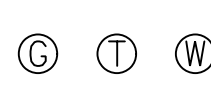

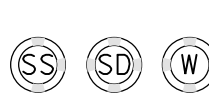
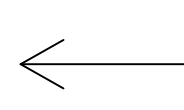

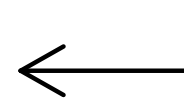



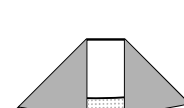



PROJECT ENG. B.B.
DESIGNED BY
CHECKED BY
DRAWN BY
PROJECT MGR. B.B.

INDEX OF DRAWINGS – 1

DIVISION CHIEF

DATE
FILE
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STANDARD SYMBOLS

	EXISTING COMBINED SEWER MANHOLE		EXISTING GUIDERAIL SINGLE FACE
	EXISTING STORM DRAIN MANHOLE		PROPOSED GUIDERAIL SINGLE FACE
	EXISTING GAS CUT-OFF		DIRECTION OF TRAFFIC
	EXISTING SANITARY SEWER MANHOLE		EXISTING SIGN AND POST
	EXISTING WATER METER		PROPOSED SIGN AND POST
	EXISTING WATER CUT-OFF		EXISTING 20 FOOT TRAFFIC SIGNAL POLE
	EXISTING FIRE HYDRANT		EXISTING #16 STREETLIGHT POLE
	PROPOSED FIRE HYDRANT		LOCATION OF TEST BORINGS
	EXISTING STORM, WATER OR SANITARY LINE LESS THAN 24"		BREAK GRADE
	EXISTING STORM, WATER OR SANITARY LINE 24" OR GREATER		STATION EQUATION
	EXISTING UNDERGROUND ELECTRIC, GAS, TELEPHONE & COMBINED SEWER LINES		PROPOSED 3' x 3' x 3' ELECTRICAL MANHOLE
	EXISTING OVERHEAD ELECTRIC		PROPOSED PENDANT POLE
	PREVIOUSLY ABANDONED		CURB INLET PROTECTION
	UNDERGROUND TO BE ABANDONED		RUNOFF FLOW
	TO BE REMOVED		EXISTING TREE TO BE REMOVED
	BASE LINE		EXISTING TREE TO BE PROTECTED
	EXISTING TREE (<9" DBH)		PROPOSED TREE
	EXISTING TREE (9" -20" DBH)		EXISTING SINGLE CATCH BASIN WITH TRIPLE THROAT ELONGATION
	EXISTING TREE (>21 DBH)		EXISTING SINGLE CATCH BASIN
	EXISTING ELECTRIC VAULT		EXISTING QUALITY CATCH BASIN
	RIGHT OF WAY LINE		PROPOSED SINGLE CATCH BASIN
	DISTRICT OF COLUMBIA /MARYLAND STATE LINE		PROPOSED DOUBLE CATCH BASIN
	PROPOSED RIGHT OF WAY LINE		PROPOSED TRIPLE CATCH BASIN
	EXISTING LOT LINE		PROPOSED DOUBLE THROAT WATER QUALITY BASIN
	EXISTING FENCE		PROPOSED WATER VALVE
	PEOPOSED METAL FENCH WITH BRICK COLUMNS		PROPOSED PCC THRUST BLOCK
	EXISTING TRAFFIC SIGNAL CONTROLLER		PROPOSED LIMIT OF MAJOR WORK
	EXISTING ELECTRIC, GAS, TELEPHONE & WATER MANHOLES		PROPOSED LIMIT OF REPAIR WORK
	PROPOSED SANITARY SEWER, STORMDRAIN, WATER MANHOL		EXISTING LUMINAIRE AND SUPPORT ARM INDICATES DIRECTION OF LIGHT
	EXISTING PEPCO MANHOLE		PROPOSED LUMINAIRE AND SUPPORT ARM INDICATES DIRECTION OF LIGHT
	EXISTING CATCH BASIN W/SAFETY GRATE		EXISTING WHEEL CHAIR/BICYCLE RAMP
	EXISTING TRAFFIC HAND BOX		PROPOSED WHEEL CHAIR/BICYCLE RAMP
	EXISTING 3' x 3' ELECTRICAL MANHOLE		
	EXISTING 4' x 4' ELECTRICAL MANHOLE		
	EXISTING PENDANT POLE		

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	M.U.T.C.D.	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
AC	ASPHALT CONCRETE	M-H.M.H.	MANHOLE
ADA	AMERICANS WITH DISABILITIES ACT	MAX.	MAXIMUM
&	AND	MIN.	MINIMUM
@	AT	MOT	MAINTENANCE OF TRAFFIC
APPROX.	APPROXIMATELY	MOD.	MODIFICATION
AWG	AMERICAN WIRE GAUGE		
AVE.	AVENUE		
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS		
		N	NORTH
		NEN.E.	NORTH EAST
		NEC	NATIONAL ELECTRICAL CODES
		N.T.S.	NOT TO SCALE
		NO. OR #	NUMBER
		NWN.W.	NORTH WEST
B	BASELINE		
B.C.	BOLT CIRCLE		
BFD	BLOCK FLOW DIAGRAM		
BOT.	BOTTOM		
		O.C.	ON CENTER
CI	CAST IRON	PB	PULL BOX
CCL.	CENTER LINE	P.C.	POINT OF CURVATURE
C.O.	CLEAN OUT	P.T./P.O.T.	POINT OF TANGENCY
CONC.	CONCRETE	PEPCO	POTOMAC ELECTRIC AND POWER COMPANY
CS	COMBINED SANITARY	PREF.	PREFORMED
CU.	CUBIC	P.G.L.	PROFILE GRADE LINE
CY	CUBIC YARD	P	PLATE /PROPERTY LINE
C-CC TO C	CENTER TO CENTER	PL	PLACE
		PLA	PLASTIC
		PCC	PORTLAND CEMENT CONCRETE
		PSI	POUNDS PER SQUARE INCH
		PVC	POLYVINYL CHLORIDE
DR.	DRIVE		
D.C./DC	DISTRICT OF COLUMBIA	R	RADIUS
DDOT	DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION	RD	ROAD
DI	DUCTILE IRON	RT	RIGHT
DIA.	DIAMETER	R.O.W.	RIGHT OF WAY
DOE	DEPARTMENT OF ENVIRONMENT		
DWG.	DRAWING /DRAWINGS		
DCPDW	DISTRICT OF COLUMBIA DEPARTMENT OF PUBLIC WORKS		
DCMR	DISTRICT OF COLUMBIA MUNICIPAL REGULATION		
		S	SOUTH
		SS	SANITARY SEWER
E	EAST /ELECTRIC	SAN.	SANITARY
E.F.	EACH FACE	SE&S.E.	SOUTH EAST
E.W.	EACH WAY	SD	STORM DRAIN
EHA	ENVIRONMENTAL HEALTH ASSOCIATION GROUP	SF	SQUARE FEET
EL/ELEV.	ELEVATION	SPEC	SPECIFICATIONS
EXIST.	EXISTING	SL	STREET LIGHTING
EXP.	EXPANSION	SWS.W.	SOUTH WEST
		SW	SIDEWALK
		ST.	STREET
		STA.	STATION
		STD./ST' D	STANDARD
		STL	BARE STEEL
		S.Y.	SQUARE YARD
F.L.	FLOW LINE		
F.O.D.	FULL OF DEBRIS		
FT.	FEET /FOOT		
G	GAS	T	TELEPHONE
GALV.	GALVANIZED	TC	TRAFFIC CONTROLLER
GND.	GROUND	TYP.	TYPICAL
		TS	TRAFFIC SIGNALS
		TRAV.	TRAVERSE
HB	HAND BOX		
HR	HOOR		
H.A.C.P.	HOT ASPHALT CONCRETE PAVEMENT		
HPS	HIGH PRESSURE SODIUM		
		U.D.	UNDERDRAIN
I.D.	INSIDE DIAMETER	VAR.	VARIES
IN.	INCH		
INC.	INCORPORATED		
		W	WEST /WATTS
		W/	WITH
		WC	WHEEL CHAIR
		WASA	WATER AND SEWER AUTHORITY
		WRPD	WRAPPED STEEL
JT./JTS.	JOINT /JOINTS		
L /LUM.	LUMINAIRE		
LBS	POUNDS		
LED	LIGHT-EMITTING DIODE		
LF	LINEAR FEET		
LS	LUMP SUM		
LT	LEFT		


D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETSCAPE EXTENSION,
13TH ST NE TO 14 PL NE
WARD 6 – WASHINGTON, D.C.

STANDARD SYMBOLS AND ABBREVIATIONS

PROJECT ENG. B. B.
DESIGNED BY E. W.
CHECKED BY B. B.
DRAWN BY E. W.
PROJECT MGR. B. B.

DATE _____
FILE _____
DOW, G - 3 OF G - 5

				
	NO	DESCRIPTION	NAME	DATE
REVISIONS				

T:\344200 - 2013 DDOT Master Contract\344229 - C Street NE Redesign\07 Design\DCN\Sheets\General\pGN-S001-NorthCarolinaAve.dgn
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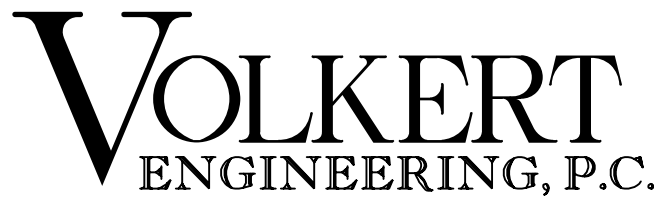
SUMMARY OF QUANTITIES

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	4	32

ITEM CODE	DESCRIPTION	UNIT	QUANTITY TOTAL
207002	TRENCH EXCAVATION AND BACKFILL	CY	28
308024	ADJUST WATER METER FRAME	EACH	2
310008	BASIN CONNECT PCC PIPE, CLASS III, 15 INCH	LF	16
310018	DOUBLE TYPE S BASIN	EACH	1
402010	HMA SURFACE COURSE, 12.5 MM	TON	10
403002	TACK COAT	SY	88
600011	FLEXIBLE CHANNELIZER POST	EACH	60
600025	INCIDENTAL CONSTRUCTION SPECIAL ITEM - SF - THERMOPLASTIC GREEN BICYCLE PAINT	SF	1450
605006	PCC SIDEWALK, 4 INCH	SY	91
605026	BRICK SIDEWALK ON PCC BASE	SY	73
606004	PCC CURB AND GUTTER	LF	66
606064	FURNISH AND SET 8"X12" GRANITE STRAIGHT CURB	LF	264
606066	FURNISH&SET 8"X12" GRANITE CIRCULAR CURB RADIUS UNDER 10FT	LF	47
606068	FURNISH&SET8"X12"GRANITE CIRCULAR CURB RADIUS10-100FT	LF	58
606070	FURJISH&SET8"X12"GRANITE CIRCULAR CURB RADIUS OVER 100FT	LF	24
606108	BRICK GUTTER	SF	163
607018	SOD WITH 3 INCH TOPSOIL	SY	144
612000	8' X 1.5' CONCRETE CURB BLOCK	EACH	1000
612005	PEDESTRIAN SAFETY BARRICADE	LF	60
612006	CONSTRUCTION LANE CLOSING	LS	1
612008	REMOVE LANE MARKINGS	SF	1700
612010	TEMPORARY CONSTRUCTION SIGN SUPPORTS	EACH	80
612014	CONSTRUCTION WARNING AND DETOUR SIGNS	SF	1340
612018	FLASHING AMBER WARNING LIGHTS, TYPE "B"	EACH	4
612022	SEQUENTIAL ARROW BOARDS	EACH	3
612028	TYPE III PVC BARRICADE	EACH	7
612034	TRAFFIC DRUMS	EACH	350
612054	THERMOPLASTIC PAVEMENT MARKING, 4 INCH	LF	7650
612056	THERMOPLASTIC PAVEMENT MARKING, 4 INCH DASH	LF	1050
612058	THERMOPLASTIC PAVEMENT MARKING, 6 INCH	LF	2090
612060	THERMOPLASTIC PAVEMENT MARKING, 6 INCH DASH	LF	240
612064	THERMOPLASTIC PAVEMENT MARKING, 12 INCH	LF	1390
612066	THERMOPLASTIC PAVEMENT MARKING, 24 INCH	LF	2250
612068	THERMOPLASTIC PAVEMENT LETTER	EACH	40
612070	THERMOPLASTIC PAVEMENT ARROW	EACH	20
612076	THERMOPLASTIC PAVEMENT BICYCLE MARKING, 8 FOOT	EACH	30
612100	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	3
612112	PREFORMED PAVEMENT MARKINGS, SYMBOLS AND LETTERS	LF	200
612997	TRAFFIC CONTROL SPECIAL ITEM - LF - PAVEMENT MARKING TAPE, 4 INCH	LF	3200
612997	TRAFFIC CONTROL SPECIAL ITEM - LF - PAVEMENT MARKING TAPE, 6 INCH	LF	40
612997	TRAFFIC CONTROL SPECIAL ITEM - LF - PAVEMENT MARKING TAPE, 24 INCH	LF	60
613006	REMOVE ABANDONED TRAFFIC SIGNAL/STREET LIGHT POLE FOUNDATION	EACH	2
613008	F&I PCC FOUNDATION FOR TRAFFIC SIG /PENDANT POST ST LT POLE	EACH	1
613038	FURNISH&INSTALL ONE 2 IN&ONE 4 IN PVC ENCASED ELEC CONDUITS	LF	10
613054	FUR TEMP PORT CONC BASE 20 FT STEEL TRAF POLE ON TRANS BASE	EACH	1
613230	REMOVE EXISTING SIGNAL HEAD	EACH	5
613234	MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION	EACH	2
613238	F&I ACCESSIBLE PEDESTRIAN SIGNAL UNIT W/CUSTOM MESSAGING	EACH	1
613346	REMOVE ELECTRICAL CABLE (ANY TYPE)	LF	1272
613352	REL ANY PEDEST SIGHEAD(12" LED MODULES)ONTO TEMP POLE ASMBLY	EACH	1
614993	RELOCATE EXISTING 8 FT MAST ARM W/CLAMP & REMOVABLE END CLAMP	EACH	1
614993	RELOCATE ANY ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTON ONTO TEMP POLE	EACH	1
614993	COVER EXISTING TRAFFIC SIGNAL HEAD	EACH	1
614993	RELOCATE EXISTING 20 FOOT TALL STEEL TRAFFIC SIGNAL POLE ONTO NEW FOUNDATION	EACH	1
616018	METAL SIGN POSTS, 4.00 POUNDS PER FOOT	LF	340
616022	TRAFFIC SIGN PANELS	SF	230
616036	REMOVE EXISTING GROUND MOUNTED SIGN	SF	21

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D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
NORTH CAROLINA AVE C STREET NE STREETSCAPE EXTENSION, 13TH ST NE TO 14 PL NE WARD 6 – WASHINGTON, D.C.	PROJECT ENG. _B.B._ DESIGNED BY _P.K._ CHECKED BY _B.B._ DRAWN BY _P.K._ PROJECT MGR. _B.B._
SUMMARY OF QUANTITIES – 1	DIVISION CHIEF DATE _____ FILE _____ DWG. G - 4 OF G - 5

 1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003			
	NO.	DESCRIPTION	NAME
REVISIONS			

T:\344200 - 2013 DDOT Master Contract\344229 - C Street NE Redesign\07 Design\DCN\Sheets\General\PGS-P001-NorthCarolinaAve.dgn
Friday, October 01, 2022 AT 01:42 PM

CONSTRUCTION BASELINE
NORTH CAROLINA AVENUE

Beginning chain NCAR_AVE description				
Point 5	N	445,889.16 E	1,315,954.92 Sta	92+00.00
Course from 5 to PC NCAR_AVE1 N 62° 29' 38.34" E Dist 1,410.03				
Curve Data				

Curve NCAR_AVE1				
P.I. Station		110+08.01 N	446,724.18 E	1,317,558.56
Delta	=	27° 31' 33.15" (RT)		
Degree	=	14° 19' 26.20"		
Tangent	=	97.98		
Length	=	192.17		
Radius	=	400.00		
External	=	11.82		
Long Chord	=	190.32		
Mid. Ord.	=	11.48		
P.C. Station		109+10.03 N	446,678.93 E	1,317,471.66
P.T. Station		111+02.20 N	446,724.14 E	1,317,656.53
C.C.			446,324.14 E	1,317,656.39
Back	= N	62° 29' 38.34" E		
Ahead	= S	89° 58' 48.51" E		
Chord Bear	= N	76° 15' 24.92" E		

Ending chain NCAR_AVE description				
CONSTRUCTION BASELINE CONSTITUTION AVENUE				
Beginning chain CONST_1 description				
Point 39	N	446,253.81 E	1,316,307.68 Sta	8+50.00
Course from 39 to 40 S 89° 58' 13.71" E Dist 150.00				
Point 40	N	446,253.63 E	1,316,654.88 Sta	11+97.20
Ending chain CONST_1 description				
Beginning chain CONST_2 description				
Point 41	N	446,253.63 E	1,316,654.88 Sta	10+00.00
Course from 41 to 42 S 89° 58' 13.71" E Dist 200.00				
Point 42	N	446,253.53 E	1,316,854.88 Sta	12+00.00
Ending chain CONST_2 description				

CONSTRUCTION BASELINE
14TH STREET

Beginning chain 14_ST description				
Point 8	N	446,001.13 E	1,316,458.55 Sta	8+50.00
Course from 8 to 9 N 0° 11' 53.12" W Dist 350.00				
Point 9	N	446,351.13 E	1,316,457.34 Sta	12+00.00
Ending chain 14_ST description				

CONSTRUCTION BASELINE
14TH PLACE

Beginning chain 14_PL1 description				
Point 10	N	446,290.50 E	1,316,725.69 Sta	10+00.00
Course from 10 to 11 N 0° 00' 50.75" W Dist 150.00				
Equation: Sta 11+50.00 (BK) = Sta 12+00.00 (AH)			End	Region 1
			Begin	Region 2
Point 11	N	446,440.50 E	1,316,725.66 Sta	12+00.00
Ending chain 14_PL1 description				

G - 5

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETSCAPE EXTENSION,
13TH ST NE TO 14 PL NE

WARD 6 – WASHINGTON, D.C.

PROJECT ENG. B.B.
DESIGNED BY P.K.
CHECKED BY A.B.
DRAWN BY M.W.
PROJECT MGR. B.B.

DIVISION CHIEF

HORIZONTAL ALIGNMENT DATA

DATE
FILE
DWG. G - 5 OF G - 5

VOLKERT
ENGINEERING, P.C.
1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

NO	DESCRIPTION	NAME	DATE
REVISIONS			

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Friday, October 07, 2022 AT 01:42 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	6	32

13TH ST NE

13TH ST NE

EAST CAPITOL ST NE

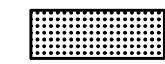
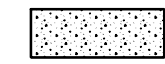
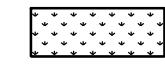
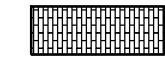

NORTH CAROLINA AVE NE

EXISTING MEDIAN AND RAMP TO REMAIN

MATCH LINE P - 2

P - 1

LEGEND

-  DETECTABLE WARNING SURFACE
-  PROPOSED CONCRETE SIDEWALK
-  PROPOSED GRASS AREA
-  PROPOSED BRICK PAVERS
-  ADA RAMP

GENERAL NOTES

1. THESE PLANS ARE PREPARED USING THE SURVEY OF THE ORIGINAL C STREET PROJECT. SHEETS P1 AND P2 ARE USING THE AVAILABLE GIS DATA.
2. MILLING AND OVERLAY WILL BE ACCORDING TO THE ORIGINAL C STREET CONTRACT.
3. SEE SHEET P-5 FOR CURB RETURN DATA.

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

VOLKERT

ENGINEERING, P.C.

1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

NO	DESCRIPTION	NAME	DATE
REVISIONS			

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETSCAPE EXTENSION,
13TH ST NE TO 14 PL NE

WARD 6 - WASHINGTON, D.C.

PROJECT ENG. B.B.
DESIGNED BY E.K.
CHECKED BY A.B.
DRAWN BY M.W.
PROJECT MGR. B.B.

DIVISION CHIEF

DATE
FILE
DWG. P - 1 OF P - 5

PAVEMENT PLAN
NORTH CAROLINA AVE

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	7	32

NORTH CAROLINA AVE NE

MATCH LINE P - 1

POT92+00.00

A ST NE

— SEE DWG. SM-4 FOR DETAILS

93+00

94+00

95+00

B CONSTRUCTION

96+00

N 62° 29' 38" E
|
North Carolina Ave
(160' WIDTH)







MATCH LINE STA. 97+00.00 P - 3

P - 2

GENERAL NOTES

1. THESE PLANS ARE PREPARED USING THE SURVEY OF THE ORIGINAL C STREET PROJECT. SHEETS P1 AND P2 ARE USING THE AVAILABLE GIS DATA.
2. MILLING AND OVERLAY WILL BE ACCORDING TO THE ORIGINAL C STREET CONTRACT.
3. SEE SHEET P-5 FOR CURB RETURN DATA.

LEGEND

- | | |
|---|--|
|  | PROPOSED CYCLE TRACK AC PAVEMENT MILLING & OVERLAY |
|  | DETECTABLE WARNING SURFACE |
|  | PROPOSED CONCRETE SIDEWALK |
|  | PROPOSED GRASS AREA |
|  | PROPOSED BRICK PAVERS |
|  | ADA RAMP |

SCALE: 1" = 20'

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETSCAPE EXTENSION,
13TH ST NE TO 14 PL NE
WARD 6 – WASHINGTON, D.C.

PROJECT ENG. B. B.
DESIGNED BY P. K.
CHECKED BY A. R.
DRAWN BY M.W.
PROJECT MGR. B. B.

**PAVEMENT PLAN
NORTH CAROLINA AVE
STA. 92+00.00 TO STA. 97+00.00**

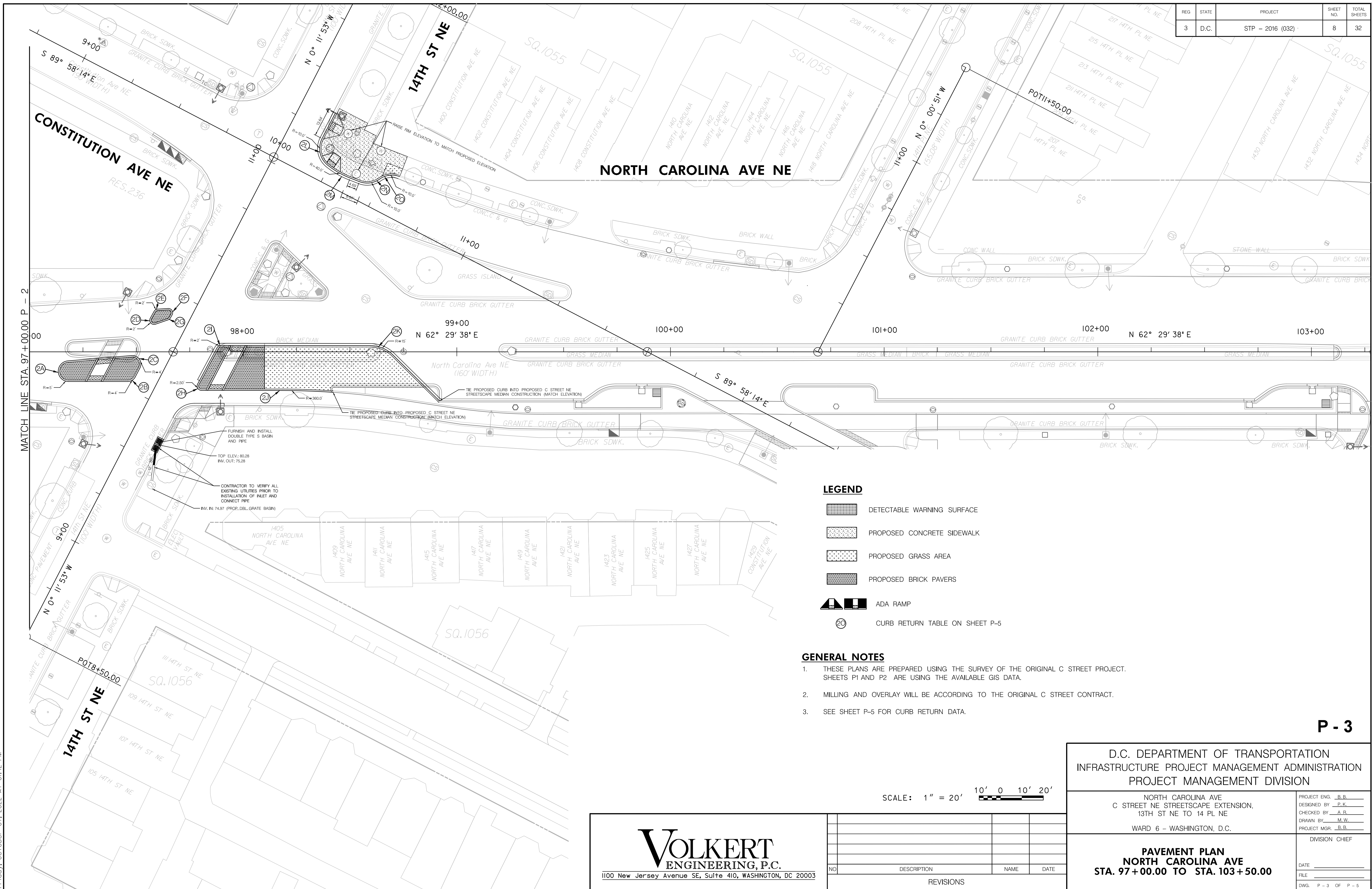
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DATE _____
FILE _____
DOWG. P - 2 OF P - 5

VOLKERT
ENGINEERING, P.C.

1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

NO	DESCRIPTION	NAME	DATE
REVISIONS			

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	8	32



P - 3

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETScape EXTENSION,
13TH ST NE TO 14 PL NE

WARD 6 – WASHINGTON, D.C.

**PAVEMENT PLAN
NORTH CAROLINA AVE
STA. 97+00.00 TO STA. 103+50.00**

PROJECT ENG. B. B.
DESIGNED BY P. K.
CHECKED BY A. R.
DRAWN BY M. W.
PROJECT MGR. B. B.

DIVISION CHIEF

DATE _____

DWG. P - 3 OF P - 5

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REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	9	32

GENERAL NOTES

1. SEE SHEET P-5 FOR CURB RETURN DATA.
2. SEE SHEET SM-4 FOR CURB RAMP STANDARD DETAILS.

P - 4

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETSCAPE EXTENSION
13TH ST NE TO 14 PL NE
WARD 6 – WASHINGTON, D.C.

PROJECT ENG. B. B.
DESIGNED BY P. K.
CHECKED BY B. B.
DRAWN BY M. W.
PROJECT MGR. B. B.

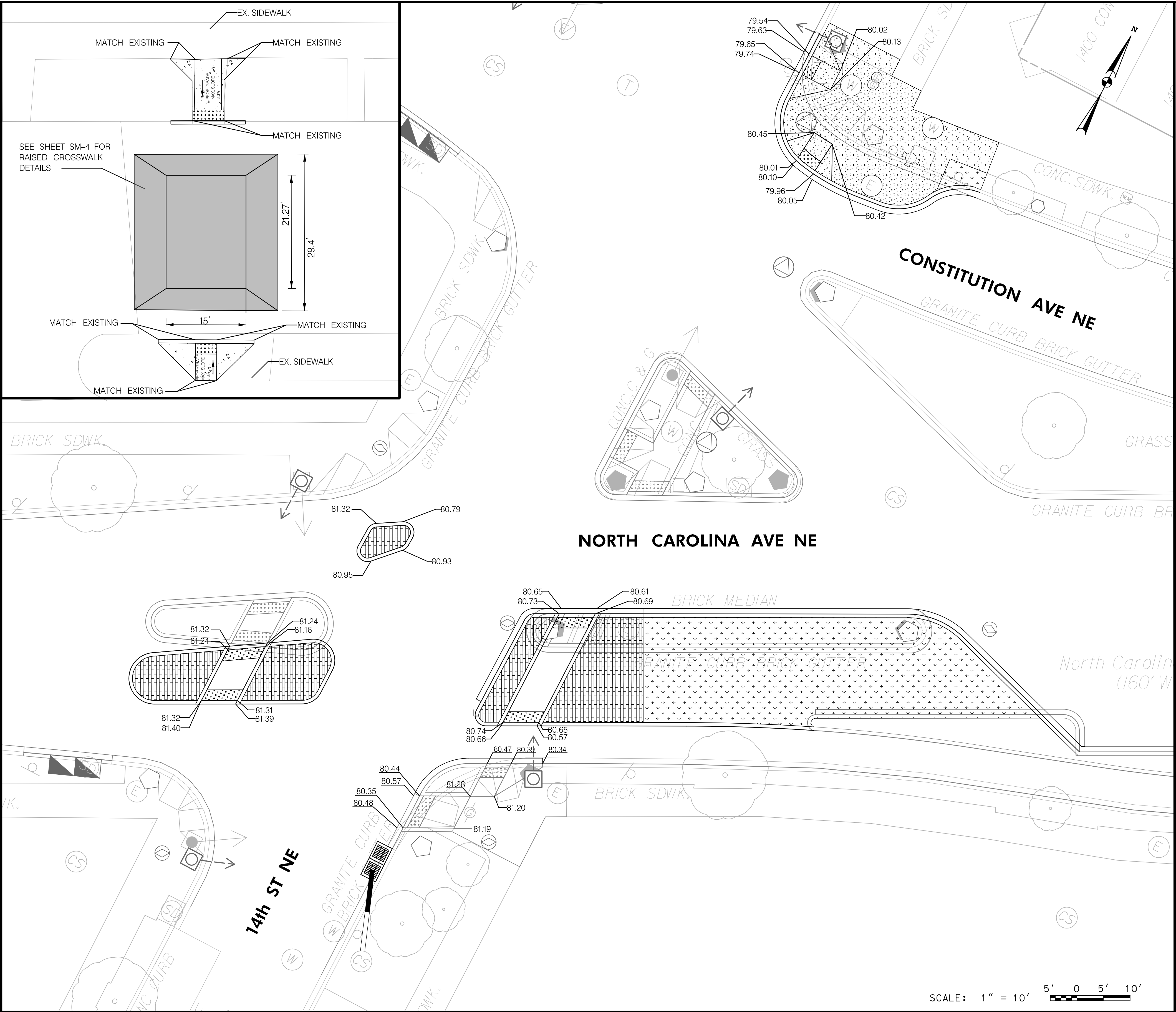
DIVISION CHIEF

DATE _____

FILE _____

DWG. P - 4 OF P - 5

CURB RAMP DETAILS – 1



VOLKERT
ENGINEERING, P.C.

1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

				B. R.	
				B. B.	
				E. W.	
NO	DESCRIPTION		NAME	DATE	
REVISIONS					

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	10	32

CURB RETURN STATION / OFFSET (FACE OF CURB)											
CURVE	POINTS	STATION	OFFSET	BASELINE				ANGLE	RADIUS (FT.)	LENGTH (FT.)	TANGENT
2A	PC PT	97+17.88 97+18.29	4.27 RT 13.91 RT	North	Carolina	Avenue	NE	175°12'16"	4.83	14.77	115.34
2B	PC PT	97+45.95 97+49.50	13.90 RT 11.75 RT	North	Carolina	Avenue	NE	62°28'50"	4.00	4.36	2.43
2C	PC PT	97+51.67 97+47.78	7.58 RT 1.75 RT	North	Carolina	Avenue	NE	122°18'54"	4.00	8.54	7.26
2D	PC PT	97+56.54 97+58.93	15.69 LT 12.91 LT	North	Carolina	Avenue	NE	138°07'15"	2.00	4.82	5.23
2E	PC PT	97+59.94 97+56.31	19.98 LT 18.96 LT	North	Carolina	Avenue	NE	57°14'04"	2.00	2.00	1.09
2F	PC PT	97+66.75 97+64.88	17.32 LT 20.28 LT	North	Carolina	Avenue	NE	122°38'47"	2.00	4.28	3.66
2G	PC PT	97+64.84 97+65.94	14.93 LT 15.85 LT	North	Carolina	Avenue	NE	41°59'54"	2.00	1.47	0.77
2H	PC PT	97+78.69 97+80.45	15.09 RT 18.03 RT	North	Carolina	Avenue	NE	118°01'38"	2.00	4.12	3.33
2I	PC PT	97+89.57 97+87.81	3.00 LT 1.95 LT	North	Carolina	Avenue	NE	61°57'24"	2.00	2.16	1.20
2J	PC PT	98+42.08 98+18.17	18.95 RT 18.11 RT	North	Carolina	Avenue	NE	348°27"	360.00	23.92	11.97
2K	PC PT	98+70.06 98+59.55	1.44 RT 2.89 LT	North	Carolina	Avenue	NE	44°32'38"	15.00	11.66	6.14
2L	PC PT	10+16.09 10+24.18	18.11 LT 8.29 LT	Constitution		Avenue	NE	79°01'15"	10.00	13.79	8.25
2M	PC PT	10+24.18 10+36.27	8.29 LT 7.81 LT	Constitution		Avenue	NE	172°31'7"	40.00	12.14	6.12
2N	PC PT	10+40.93 10+48.73	8.34 LT 13.74 LT	Constitution		Avenue	NE	56°37'59"	10.00	9.88	5.39
2O	PC PT	10+48.73 10+56.52	13.74 LT 19.15 LT	Constitution		Avenue	NE	56°37'59"	10.00	9.88	5.39

P - 5

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETSCAPE EXTENSION,
13TH ST NE TO 14 PL NE
WARD 6 – WASHINGTON, D.C.

PROJECT ENG. B. B.
DESIGNED BY B. A.
CHECKED BY B. B.
DRAWN BY E. W.
PROJECT MGR. B. B.


PAVEMENT PLAN C STREET CURVE RETURN TABLES

DIVISION CHIEF _____

DATE _____

FILE _____

DWG. P - 5 OF P - 5

SCALE: 1" = 20' 

VOLKERT
ENGINEERING, P.C.

1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

NO	DESCRIPTION	NAME	DATE
REVISIONS			

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Friday, October 07, 2022 AT 01:43 PM

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Friday, October 01, 2022 AT 01:43 PM

GENERAL NOTES:

THE DESIGN AND CONSTRUCTION WORK FOR THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE FEDERAL AND STATE LAWS AND DDOT STANDARDS AND SPECIFICATIONS. SEQUENCE OF CONSTRUCTION/ MAINTENANCE OF TRAFFIC (SOC/MOT) IS INTENDED AS A GUIDE. IT IS NOT TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH PHASE OR STAGE, BUT ONLY TO SHOW THE GENERAL HANDLING OF EXISTING TRAFFIC. ANY CHANGES TO THE SOC/MOT PLAN MUST BE APPROVED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION THAT MAY AFFECT EXISTING TRAFFIC. UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PLAN AND PROSECUTE THE WORK IN ACCORDANCE WITH THE FOLLOWING:

1. THE CONTRACTOR IS REQUIRED TO FOLLOW THE MAINTENANCE OF TRAFFIC (M.O.T.) REQUIREMENTS SET FORTH IN THIS PLAN, THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2013 DDOT STANDARD AND SPECIFICATIONS AND THE 2006 D.C TEMPORARY TRAFFIC CONTROL MANUAL. IN ADDITION, THE CONTRACTOR SHALL FOLLOW SECTIONS 104.02 AND 612 OF THE DDOT SPECIFICATIONS FOR IMPLEMENTATION MAINTENANCE OF TRAFFIC PLANS. THE MOT PLANS INCLUDED ARE SUGGESTED; THE CONTRACTOR WILL BE REQUIRED TO SUPPLEMENT THE MOT PLANS AS NECESSARY FOR CONDITIONS NOT SHOWN IN THE MOT PLANS SUCH AS THE INSTALLATION OF UNDERGROUND UTILITIES, TRAFFIC LANE SHIFTS, AND FOR ANY OTHER SPECIFIC CONDITION BEYOND THE GENERAL SEQUENCE PRESENTED IN THE MOT PLAN SET. PAYMENT FOR PREPARATION OF THE ADDITIONAL MOT PLANS WILL BE MADE AS SPECIFIED IN 612.02(C) OF THE STANDARD SPECIFICATIONS.
2. NORTH CAROLINA AVE, NE AND 13TH STREET, NE ARE COLLECTOR STREETS WHICH RUN IN EAST-WEST AND NORTH-SOUTH DIRECTIONS, RESPECTIVELY. BOTH OF THESE STREETS INTERSECT WITH SEVERAL SIDE STREETS AND DRIVEWAYS WITHIN THE PROJECT LIMITS AS IDENTIFIED ON THE PLANS.
3. ALL ADVANCE CONSTRUCTION WARNING SIGNING SHALL BE INSTALLED PRIOR TO THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
4. METRO BUS STOPS LOCATED ALONG NORTH CAROLINA AVE, NE AND 14TH STREET, NE ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION. BUS STOPS IMPACTED DURING CONSTRUCTION ACTIVITIES SHALL BE RELOCATED TO THE UPSTREAM OR DOWNSTREAM BLOCK AND REQUIRE PRIOR APPROVAL. CONTRACTOR SHALL COORDINATE WITH WMATA AND DDOT.
5. THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNING TO DIRECT PEDESTRIANS WITHIN AND ADJACENT TO THE PROJECT LIMITS.
6. THE CONTRACTOR SHALL COVER EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED MOT PLANS.
7. APPROVED CHANNELIZING DEVICES MUST SEPARATE THE WORK AREA FROM THE TRAVEL WAY AND BE EXTENDED TO WHERE THEY ARE VISIBLE TO ONCOMING TRAFFIC.
8. ALL CRACKS SHALL BE CLEANED OF DEBRIS AFTER MILLING AND SEALED WITH CRACK SEALANT IN ACCORDANCE WITH THE DDOT SPECIFICATIONS SECTION 807.02 FOR JOINT SEALING MATERIALS.
9. THE CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING PAVEMENT MARKINGS AND SIGNS WHICH ARE NOT SCHEDULED FOR REPLACEMENT BUT BECOME DAMAGED BY CONSTRUCTION. THIS IS CONSIDERED INCIDENTAL TO OTHER WORK. PAVING DURING CONSTRUCTION PHASES SHALL BE CARRIED THROUGH BINDER COURSE. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE COMPLETED ACCORDING TO SECTION 612.03 OF THE DDOT SPECIFICATIONS. FINAL SURFACE COURSE SHALL BE PLACED ONCE ALL PHASES OF CONSTRUCTION ARE COMPLETE.

10. TEMPORARY CONNECTIONS AND PHASED CONSTRUCTION SHALL BE CONSTRUCTED AND COMPLETED IN A MANNER THAT WILL MINIMIZE DISRUPTION OF TRAFFIC.
11. THE CONTRACTOR SHALL NOT LEAVE ANY PORTION OF THE WORK ZONE WITH ANY OPEN TRENCHES UNATTENDED WHERE BARRIER IS NOT PRESENT. ON AREAS WHERE BARRIER IS NOT PRESENT THE CONTRACTOR SHALL NOT MAKE PAVEMENT EXCAVATIONS OR OPENINGS TO A GREATER EXTENT THAT CAN BE REPLACED AND REPAVED DURING THE SAME WORKING DAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER PER SECTION 505.04, DDOT SPECIFICATIONS.
12. ALL DETOUR SIGNS USED DURING STREET CLOSURES SHALL BE COVERED OR REMOVED WHEN NOT IN USE.
13. THE CONTRACTOR SHALL MAINTAIN ALL SIGNAGE WITHIN THE LIMITS OF CONSTRUCTION, SHOWN OR OTHERWISE, UNLESS DIRECTED BY THE ENGINEER. IF REMOVAL IS ALLOWED, CONTRACTOR SHALL STORE THE SIGNS PER DDOT STANDARDS, AND IF DIRECTED, REPLACE THEM AT THE COMPLETION OF THE PROJECT.
14. THE CONTRACTOR SHALL SUBMIT MESSAGES FOR ANY PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) FOR REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION. MESSAGES INDICATING AN UPCOMING CHANGE IN TRAFFIC PATTERN MUST BE DISPLAYED ONE (1) WEEK PRIOR TO THE CHANGE IN TRAFFIC PATTERN. PCMS SIGNS MUST BE ON-SITE ONE (1) WEEK PRIOR TO START OF MOT WORK AND MUST REMAIN ON-SITE THROUGH THE DURATION OF THE MOT WORK IDENTIFIED ON THE SIGN.
15. THE CONTRACTOR IS REQUIRED TO NOTIFY FIRE, POLICE AND EMERGENCY SERVICES DEPARTMENTS OF APPROVED ROAD CLOSURES. PERMITS WITH THEIR APPROVAL MUST BE ON-SITE WITH ALL OTHER PERMITS PER DDOT TOA, TCP INSPECTION CRITERIA, 11TH EDITION, OCTOBER 2010.
16. ALL SIGNS (BOTH PERMANENT AND CONSTRUCTION) SHALL HAVE PRISMATIC LENS TYPE RETRO-REFLECTIVE SHEETING. THIS IS CONSIDERED INCIDENTAL TO OTHER WORK. CONSTRUCTION SIGNS ARE TO BE FURNISHED BY THE CONTRACTOR AND ERECTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 612 OF THE SPECIFICATIONS. ALL WARNING SIGNS AND TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE PROMPTLY REMOVED AT THE COMPLETION OF WORK AND DISCARDED AS DIRECTED BY THE ENGINEER.
17. SIDEWALK ACCESS FOR RESIDENTS ALONG NORTH CAROLINA AVE, NE, 13TH STREET, NE, AND 14TH STREET, NE SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION.
18. THE CONTRACTOR SHALL CONTACT DDOT ENGINEER A MINIMUM OF SEVEN (7) DAYS IN ADVANCE FOR ALL PARKING SPACES WITHIN THE WORK ZONE WHICH REQUIRE TEMPORARY REMOVAL AS PART OF THE MOT PHASES SHOWN ON PLANS.
19. PARKING SIGNS OF IMPACTED PARKING SHALL BE TEMPORARILY COVERED BY THE CONTRACTOR FOR THE DURATION OF WORK AND REMOVED WHEN NOT IN USE.
20. THE CONTRACTOR SHALL PLAN AND ERADICATE EXISTING CROSSWALK LINES AND PROVIDE TEMPORARY PAVEMENT MARKING LINES TO CONNECT BETWEEN EXISTING AND PROPOSED RAMPS, OR BETWEEN PROPOSED RAMPS DURING EACH MOT PHASE, AND MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES.

21. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES TO REMAIN PRIOR TO START OF ANY CONSTRUCTION WORK AND SHALL REMOVE THE TREE PROTECTIONS UPON COMPLETION OF ALL CONSTRUCTION WORK ONLY.
22. THE CONTRACTOR MUST COMPLY WITH PEDESTRIAN SAFETY REQUIREMENT IDENTIFIED IN DDOT STANDARD SPECIFICATIONS 104.02C(3)

SEQUENCE OF CONSTRUCTION

THE PROJECT GENERALLY COMPRISES OF THREE PHASES OF WORK. ALL THREE PHASES WILL HAVE SIMILAR MOT SETUPS. THE FIRST PHASE WILL INVOLVE CONSTRUCTION OF RAISED CENTER MEDIANS, ADA RAMPS AND NORTHERN PORTION OF RAISED CROSSWALK ON NORTH CAROLINA AVENUE, NE, AND THE BULB-OUT ON CONSTITUTION AVENUE, NE, WHILE THE SECOND PHASE WILL CONSTRUCT THE GRATE INLET AND STORM DRAIN SYSTEM PIPE AT SE QUADRANT OF NORTH CAROLINA AVE, NE AND 14TH ST, NE INTERSECTION, AND THE REMAINING SOUTHERN PORTION OF RAISED CROSSWALK ON NORTH CAROLINA, AVE, NE NORTH OF A ST, NE. DURING PHASE THREE, ASSOCIATED TRAFFIC SIGNALS MODIFICATION WORK FOR 14TH ST, NE/NORTH CAROLINA AVE, NE/CONSTITUTION AVE, NE, AND 13TH ST, NE/NORTH CAROLINA AVE, NE/EAST CAPITOL ST, NE INTERSECTIONS, MILLING AND PAVING OPERATIONS, AND FINAL PAVEMENT MARKING AND SIGNING INSTALLATION WITHIN THE PROJECT LIMIT WILL BE PERFORMED. DURING CONSTRUCTION THE CONTRACTOR SHALL ENSURE THE FOLLOWING:

-MAINTAIN BICYCLE AND PEDESTRIAN TRAFFIC AT ALL TIMES.

-THE CONTRACTOR SHALL KEEP OPEN THREE OR MORE CROSSWALKS FOR EACH INTERSECTION AT A TIME.

-ACCESS TO SIDEWALKS SHALL BE MAINTAINED AT ALL TIMES.

-DUE TO PARKING LIMITATIONS, CONTRACTOR SHALL MINIMIZE THE NUMBER OF RESTRICTED PARKING ALONG NORTH CAROLINA AVE, NE BETWEEN 13TH ST, NE AND 14TH ST, NE.

-THE MINIMUM TRAVEL LANE SHALL BE 11 FEET.

-NEWLY STRIPED BIKE LANES ALONG NORTH CAROLINA AVE, NE BETWEEN 13TH ST, NE AND 14TH ST, NE SHALL ONLY BE OPENED AFTER THE COMPLETION OF CONSTRUCTION WITH APPROVALS OF THE DDOT ENGINEER.

TIME OF DAY	HOUR	NOTE
WEEKDAY AM PEAK	5:30 AM - 9:30 AM	RESTRICTION
WEEKDAY PM PEAK	3:30 PM - 7:00 PM	RESTRICTION
WEEKDAY OFF-PEAK (MID-DAY)	9:30 AM - 3:30 PM	
NIGHT TIME	9:30 PM - 5:30 AM	
WEEKEND (SAT & SUN)	7:00 AM - 7:00 PM	

NOTES:

1. NO ADDITIONAL LANE CLOSURES OR FLAGGING OPERATIONS SHALL BE ADDED TO THE LONG-TERM MOT CONFIGURATION SHOWN FOR PHASE ONE THROUGH PHASE THREE DURING WEEKDAY AM AND PM PEAK HOURS.

2. WEEKEND WORK ARE PERMITTED WITH WRITTEN APPROVAL OF THE CHIEF ENGINEER OR HIS DESIGNEE.

PRE-PHASE
PRIOR TO STARTING THE WORK, CONTRACTOR SHALL SETUP THE MOT CONFIGURATIONS AS SHOWN PLANS. THESE LONG-TERM MOT CONFIGURATIONS WILL INVOLVE SETTING NORTH CAROLINA AVE, NE BETWEEN 13TH ST, NE AND 14TH ST, NE INTO ONE-WAY GOING WEST, AND PERMANENTLY CLOSE THE EXISTING NB 13TH ST, NE RIGHT-TURN LANE BETWEEN EAST CAPITOL ST, NE AND NORTH CAROLINA AVE, NE UNTIL PROJECT COMPLETION. ALL ASSOCIATED TEMPORARY TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS AS WELL AS PCMS UNITS SHALL BE PROVIDED PRIOR STARTING THE PHASE ONE CONSTRUCTION.

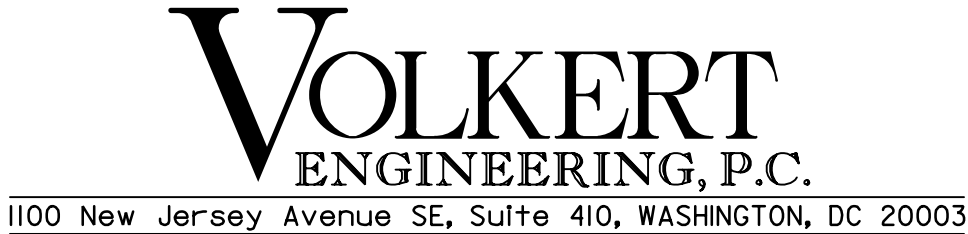
PHASE 1
WORK IN PHASE 1 CONSISTS OF RECONSTRUCTION OF RAISED CENTER MEDIANS FOR EAST AND WEST LEGS OF 14TH ST, NE AND NORTH CAROLINA AVE, NE INTERSECTION, AND NORTHERN PORTION OF RAISED CROSSWALK AND ADA RAMPS ON NORTH CAROLINA AVENUE, NE, NORTH OF A ST, NE, AND BULB-OUT AT THE NE QUADRANT OF 14TH ST, NE AND CONSTITUTION AVENUE, NE INTERSECTION. THE WORK ALSO CONSISTS OF CLOSING THE 13TH ST, NE RIGHT-TURN LANE BETWEEN EAST CAPITOL ST, NE AND NORTH CAROLINA AVE, NE WHILE KEEPING THE BIKE LANE OPEN.

PHASE 2
WORK IN PHASE 2 IS SIMILIAR TO PHASE 1 EXCEPT THIS PHASE WILL INCLUDE THE GRATE INLET AND STORM DRAIN SYSTEM PIPE AT SE QUADRANT OF 14TH ST, NE AND NORTH CAROLINA AVE, NE WHICH REQUIRE THE 14TH ST, NE ONE-WAY TRAFFIC AND BICYCLISTS TO SHIFT TO THE WEST SOUTH OF NORTH CAROLINA AVE, NE. THIS PHASE WILL ALSO INVOLVE CONSTRUCTING THE REMAINING SOUTHERN PORTION OF THE RAISED CROSSWALK NORTH OF A ST, NE BY SHIFTING THE WB NORTH CAROLINA AVE, NE TO THE NORTH AS SHOWN ON PLAN.

PHASE 3
WORK IN PHASE 3 WILL UTILIZE SIMILAR TRAFFIC CONTROL CONFIGURATION IN PHASE ONE OR TWO TO PERFORM THE TRAFFIC SIGNALS MODIFICATION WORK FOR 14TH ST, NE/NORTH CAROLINA AVE, NE/CONSTITUTION AVE, NE, AND 13TH ST, NE/NORTH CAROLINA AVE, NE/EAST CAPITOL ST, NE INTERSECTIONS, MILLING AND PAVING OPERATIONS, AND FINAL PAVEMENT MARKING AND SIGNING INSTALLATION. NO PLAN SHEETS ARE PROVIDED FOR PHASE THREE.

MT - 1

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
NORTH CAROLINA AVE C STREET NE STREETSCAPE EXTENSION, 13TH ST NE TO 14 PL NE WARD 6 – WASHINGTON, D.C.	PROJECT ENG. <u> B.B. </u> DESIGNED BY <u> J.S. </u> CHECKED BY <u> H.T. </u> DRAWN BY <u> M.A. </u> PROJECT MGR. <u> B.B. </u>
MAINTENANCE OF TRAFFIC GENERAL NOTES AND SEQUENCE OF CONSTRUCTION	DIVISION CHIEF DATE <u> </u> FILE <u> </u> DWG. MT – 1 OF MT – 9


			
	NO.	DESCRIPTION	NAME DATE
REVISIONS			

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	12	32

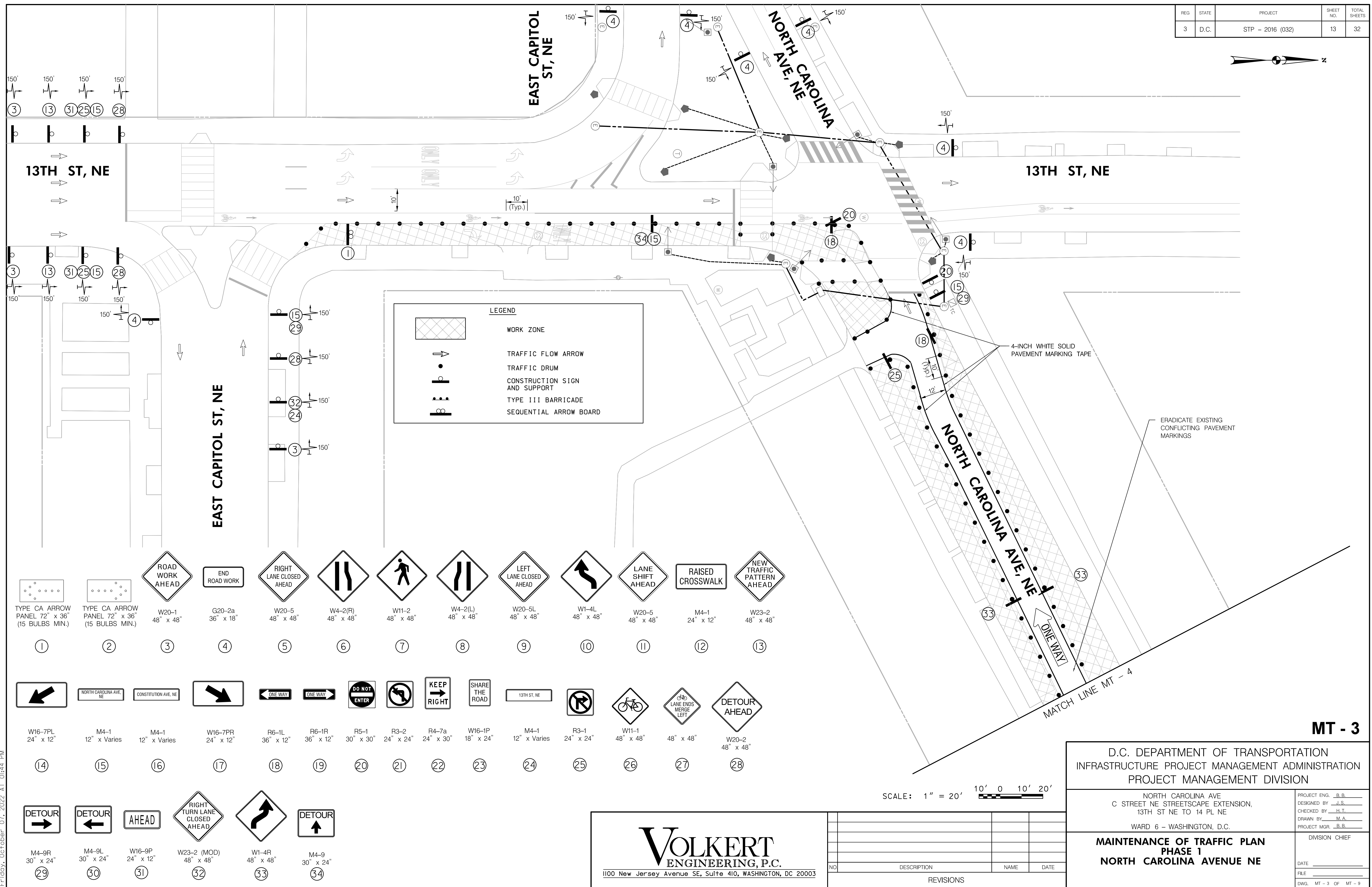
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DRAWING	PEDESTRIAN SAFETY BARRICADE	CONSTRUCTION LANE CLOSING	REMOVE LANE MARKINGS	TEMPORARY CONSTRUCTION SIGN SUPPORTS	CONSTRUCTION WARNING AND DETOUR SIGNS	FLASHING AMBER WARNING LIGHTS, TYPE "B"	SEQUENTIAL ARROW BOARDS	TYPE III PVC BARRICADE	TRAFFIC DRUMS	PORTABLE CHANGEABLE MESSAGE SIGN	PREFORMED PAVEMENT MARKINGS, SYMBOLS AND LETTERS	TRAFFIC CONTROL SPECIAL ITEM - LF - PAVEMENT MARKING TAPE, 24 INCH	TRAFFIC CONTROL SPECIAL ITEM - LF - 'PAVEMENT MARKING TAPE, 6 INCH	TRAFFIC CONTROL SPECIAL ITEM - LF - 'PAVEMENT MARKING TAPE, 4 INCH
	LF	LS	SF	EA	SF	EA	EA	EA	EA	EA	LF	LF	LF	LF
MT-3 (PHASE 1)	50		169	28	275		1		82	1				432
MT-4 (PHASE 1)			433	15	132	1		1	106	1				1152
MT-5 (PHASE 1)			898	31	457	3	1	6	109	1	86			77
MT-6 (PHASE 2)	50			27			1		77	1				325
MT-7 (PHASE 2)				16	72	1		1	106	1				940
MT-8 (PHASE 2)				27	80	2	2	2	81	1	86	51	29	61
MT-9 (DETOUR)				4	32									
PHASE 3 (NOT SHOWN)	50			12	192				264	3				
MAXIMUM NEEDED FOR PHASE 1	50			74		4	2	7	297	3				
MAXIMUM NEEDED FOR PHASE 2	50			70		3	3	3	264	3				
MAXIMUM NEEDED FOR PHASE 3	50			12					264	3				
MOST NEEDED AMONG ALL PHASES	50			74		4	3	7	297	3				
TOTAL		1	1500		1240						171	51	29	2988
TOTAL X UNIT	50			74		4	3	7	297	3				
CONTINGENCY	10		150	6	60	1	1	3	33	1	19	9	6	142
Total (Not Rounded)	60	1	1650	80	1300	5	4	10	330	4	190	60	35	3130
TOTAL	60	1	1700	80	1340	5	4	10	350	4	200	60	40	3200

NOTE: TOTAL QUANTITIES FOR TRAFFIC CONTROL ARE THE MAXIMUM REQUIRED AND INSTALLED FOR ANY ONE PHASE OF CONSTRUCTION.

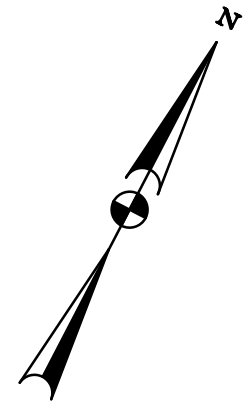
MT - 2

<div><p>VOLKERT ENGINEERING, P.C.</p><p>1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003</p></div>						13TH STREET TO 14TH STREET	DRAWN BY: <u>M.A.</u>	
							WARD 6 – WASHINGTON, D.C.	PROJECT MGR.: <u>B.B.</u>
							MAINTENANCE OF TRAFFIC QUANTITIES	DIVISION CHIEF _____
								DATE _____
								FILE _____
								DWG. MT - 2 OF MT - 9
	NO.	DESCRIPTION		NAME	DATE			
	REVISIONS							

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	13	32

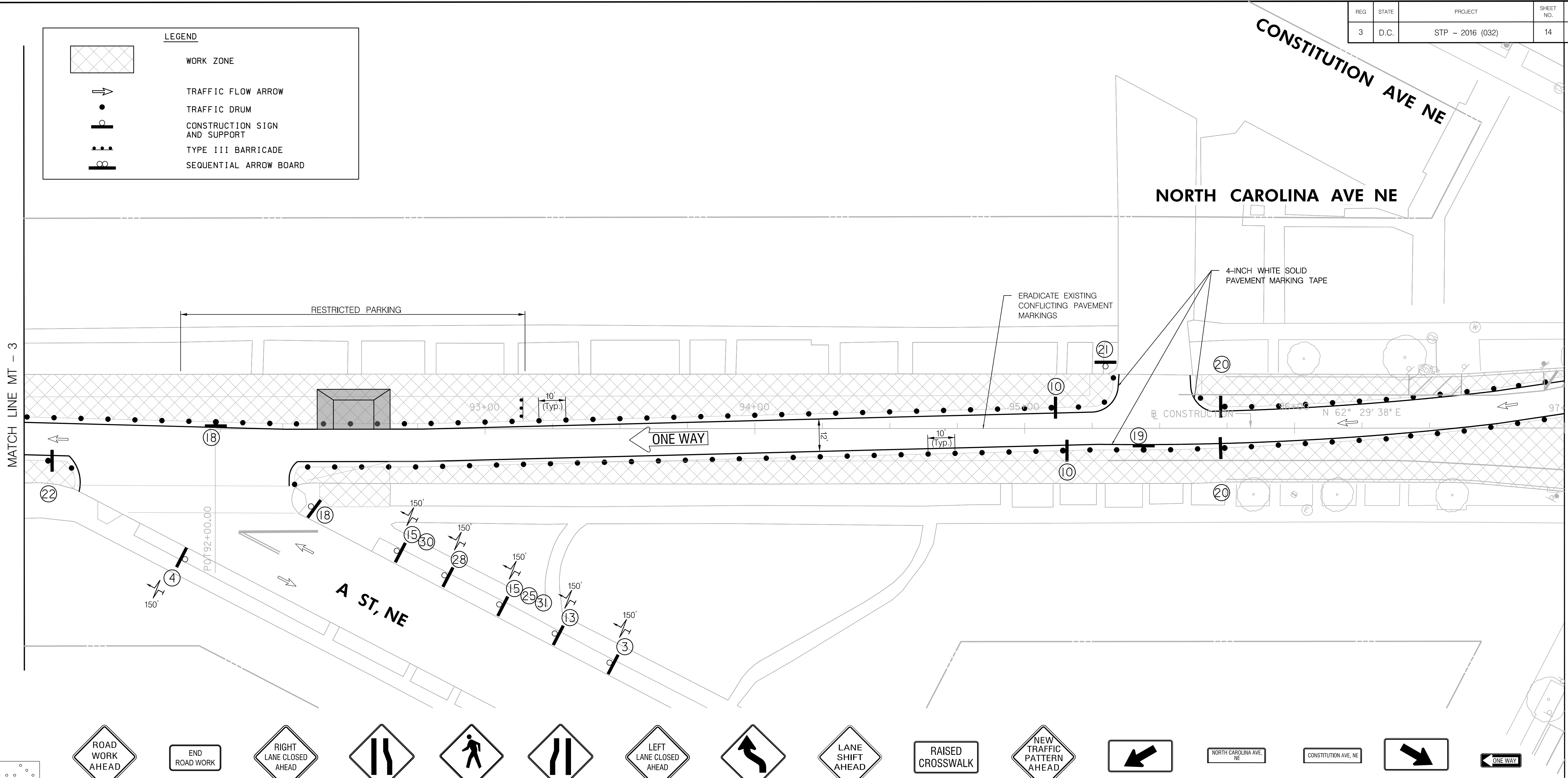
**MT - 3**

T:\344200 - 2013 DBOT Master Contract\344229 - C Street NE Redesign\07 Design\00N\Sheets\TMP-SOC\pMT-P002-Nor-thCarolinaAveNE.dgn
Friday, October 01, 2022 AT 01:44 PM



LEGEND	
	WORK ZONE
	TRAFFIC FLOW ARROW
	TRAFFIC DRUM
	CONSTRUCTION SIGN AND SUPPORT
	TYPE III BARRICADE
	SEQUENTIAL ARROW BOARD

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	14	32



TYPE CA ARROW
PANEL 72" x 36"
(15 BULBS MIN.)

①

TYPE CA ARROW
PANEL 72" x 36"
(15 BULBS MIN.)

②

W20-1
48" x 48"

③

G20-2a
36" x 18"

④

W20-5
48" x 48"

⑤

W4-2(R)
48" x 48"

⑥

W11-2
48" x 48"

⑦

W4-2(L)
48" x 48"

⑧

W20-5L
48" x 48"

⑨

W1-4L
48" x 48"

⑩

W20-5
48" x 48"

⑪

M4-1
24" x 12"

⑫

W23-2
48" x 48"

⑬

W16-7PL
24" x 12"

⑭

M4-1
12" x Varies

⑮

M4-1
12" x Varies

⑯

W16-7PR
24" x 12"

⑰

R6-1L
36" x 12"

⑱

R6-1R
36" x 12"

⑲

R5-1
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⑳

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W20-2
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W20-2
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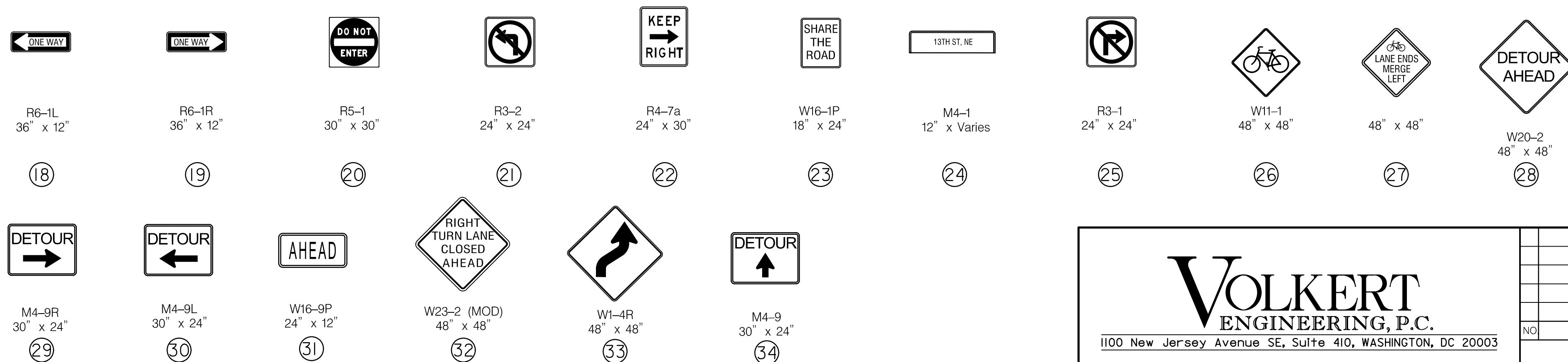
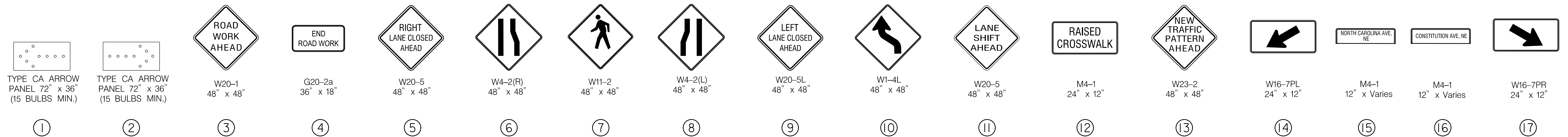
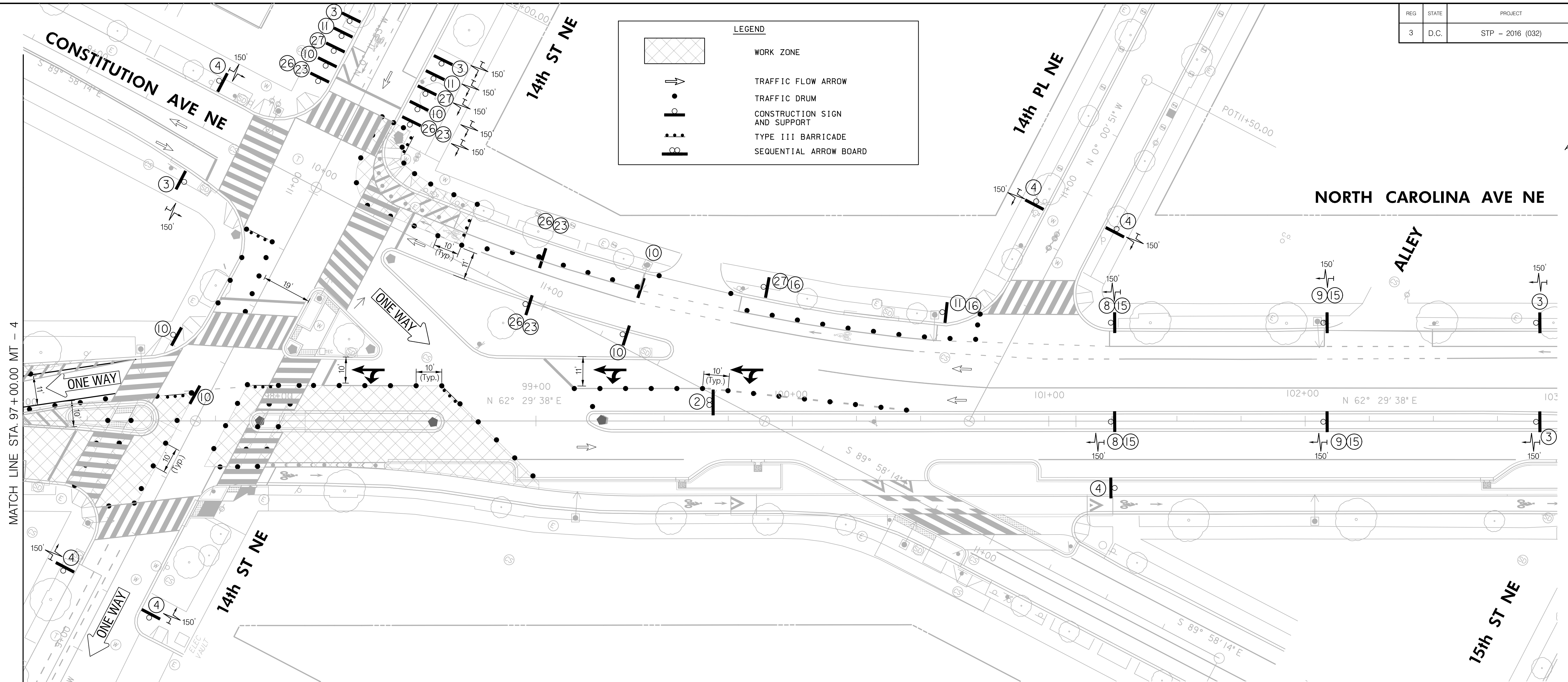
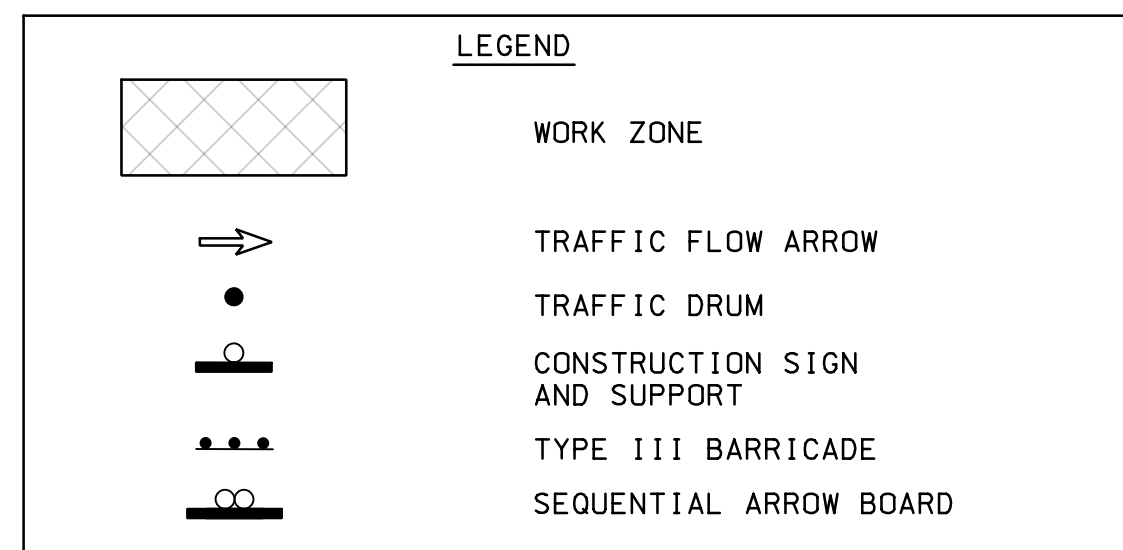
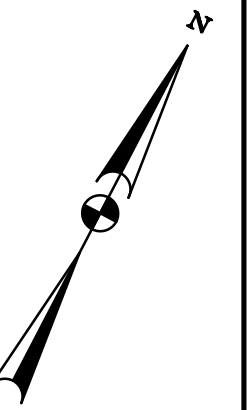
⑤

W4-2(R)
48" x 48"


⑥

W11-2
48" x

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	15	32



SCALE: 1" = 20'

A horizontal graphic scale bar with alternating black and white segments. Above the bar, the markings 10', 0, 10', and 20' are indicated. The bar is divided into four equal segments, each representing 10 feet.**MT - 5**

D.C. DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
 PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETScape EXTENSION,
13TH ST NE TO 14 PL NE

WARD 6 – WASHINGTON, D.C.

**MAINTENANCE OF TRAFFIC PLAN
PHASE 1
NORTH CAROLINA AVENUE NE
STA. 97+00.00 TO STA. 103+00.00**

PROJECT ENG. B. B.
DESIGNED BY J. S.
CHECKED BY H. T.
DRAWN BY M. A.
PROJECT MGR. B. B.

DIVISION CHIEF

DATE _____

FILE _____

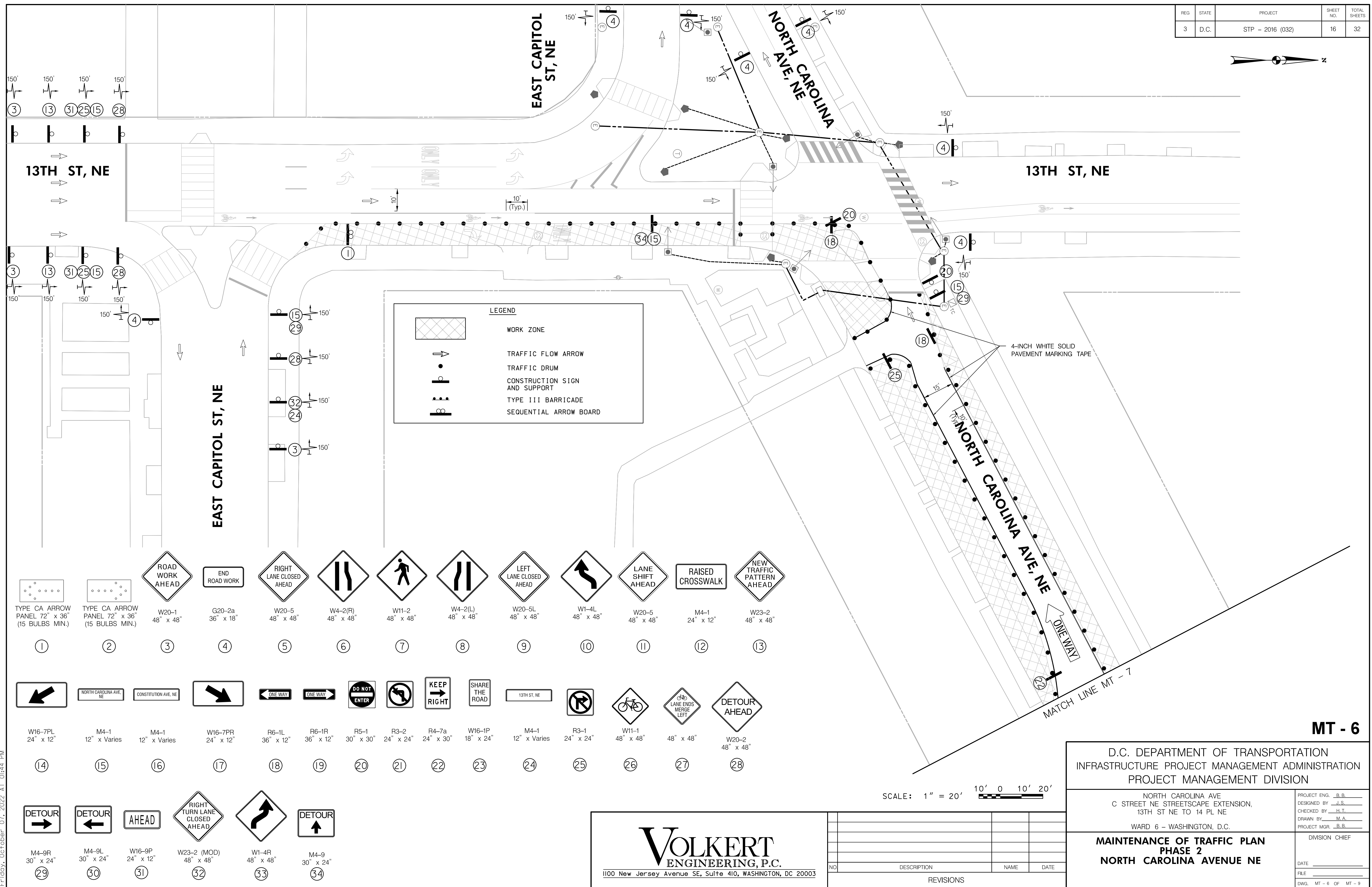
WING MT - 5 OF MT - 9

NO.	DESCRIPTION	NAME	DATE
REVISIONS			

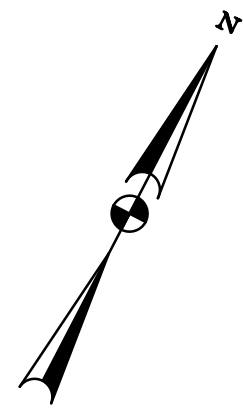
VOLKERT
ENGINEERING, P.C.

1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	16	32



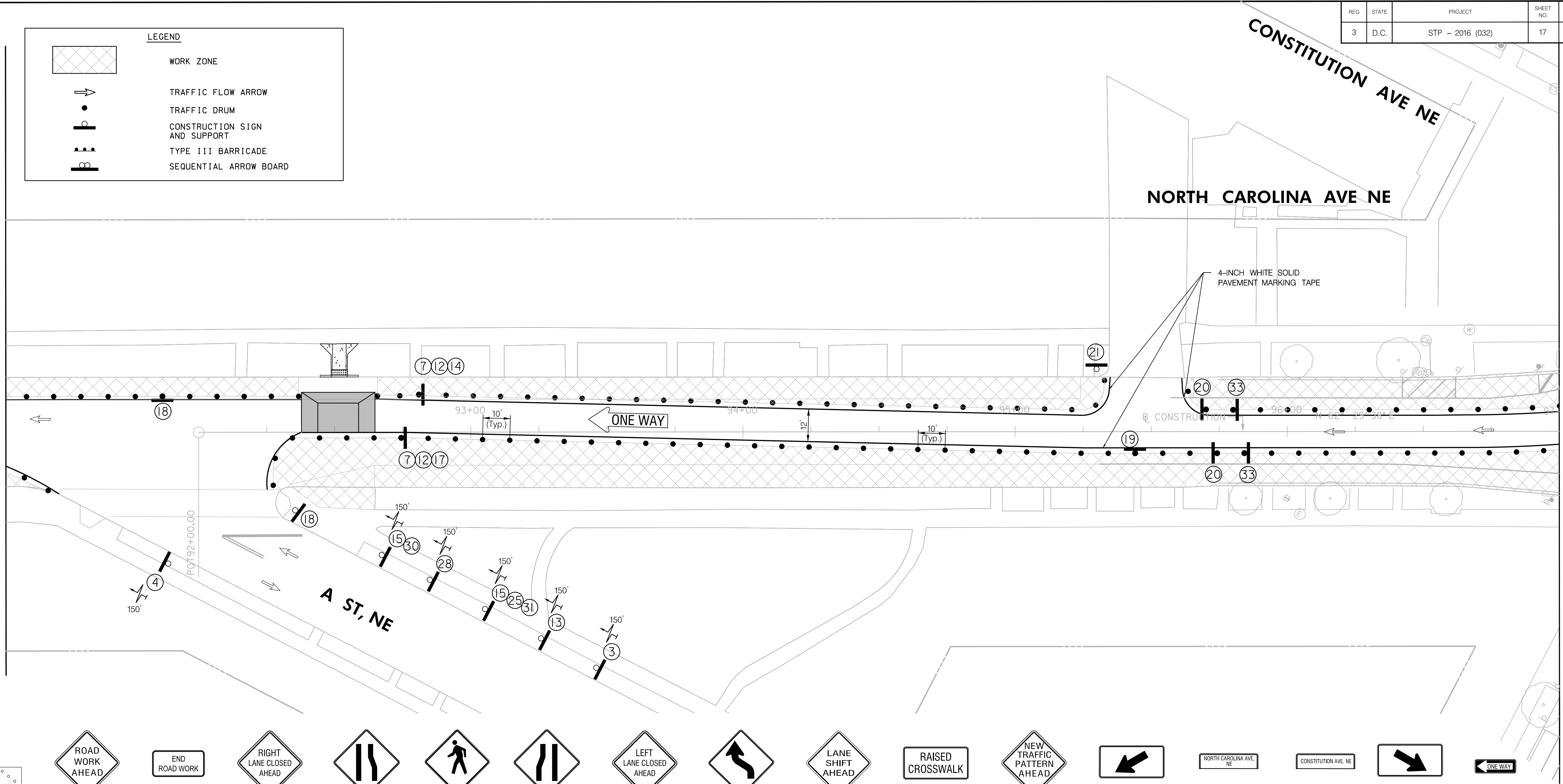
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Friday, October 01, 2022 AT 01:44 PM



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	WORK ZONE
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	TRAFFIC DRUM
	CONSTRUCTION SIGN AND SUPPORT
	TYPE III BARRICADE
	SEQUENTIAL ARROW BOARD

REG.	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	17	32

MATCH LINE MT - 6



MATCH LINE STA. 97+00.00 MT - 8

TYPE CA ARROW
PANEL 72" x 36"
(15 BULBS MIN.)

①

TYPE CA ARROW
PANEL 72" x 36"
(15 BULBS MIN.)

②

ROAD WORK AHEAD

W20-1
48" x 48"

③

END ROAD WORK

G20-2a
36" x 18"

④

RIGHT LANE CLOSED AHEAD

W20-5
48" x 48"

⑤

W4-2(R)
48" x 48"

⑥

W11-2
48" x 48"

⑦

W4-2(L)
48" x 48"

⑧

W20-5L
48" x 48"

⑨

W1-4L
48" x 48"

⑩

W20-5
48" x 48"

⑪

RAISED CROSSWALK

M4-1
24" x 12"

⑫

NEW TRAFFIC PATTERN AHEAD

W23-2
48" x 48"

⑬

W16-7PL
24" x 12"

⑭

NORTH CAROLINA AVE, NE

M4-1
12" x Varies

⑮

CONSTITUTION AVE, NE

M4-1
12" x Varies

⑯

W16-7PR
24" x 12"

⑰

R6-1L
36" x 12"

⑱

ONE WAY

R6-1R
36" x 12"

⑲

DO NOT ENTER

R5-1
30" x 30"

⑳

R3-2
24" x 24"

㉑

KEEP RIGHT

R4-7a
24" x 30"

㉒

SHARE THE ROAD

W16-1P
18" x 24"

㉓

13TH ST, NE

M4-1
12" x Varies

㉔

R3-1
24" x 24"

㉕

W11-1
48" x 48"

㉖

48" x 48"

㉗

DETOUR AHEAD

W20-2
48" x 48"

㉘

DETOUR

M4-9R
30" x 24"

㉙

DETOUR

M4-9L
30" x 24"

㉚

AHEAD

W16-9P
24" x 12"

㉛

RIGHT TURN LANE CLOSED AHEAD

W23-2 (MOD)
48" x 48"

㉜

W1-4R
48" x 48"

㉝

DETOUR

M4-9
30" x 24"

㉞

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1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

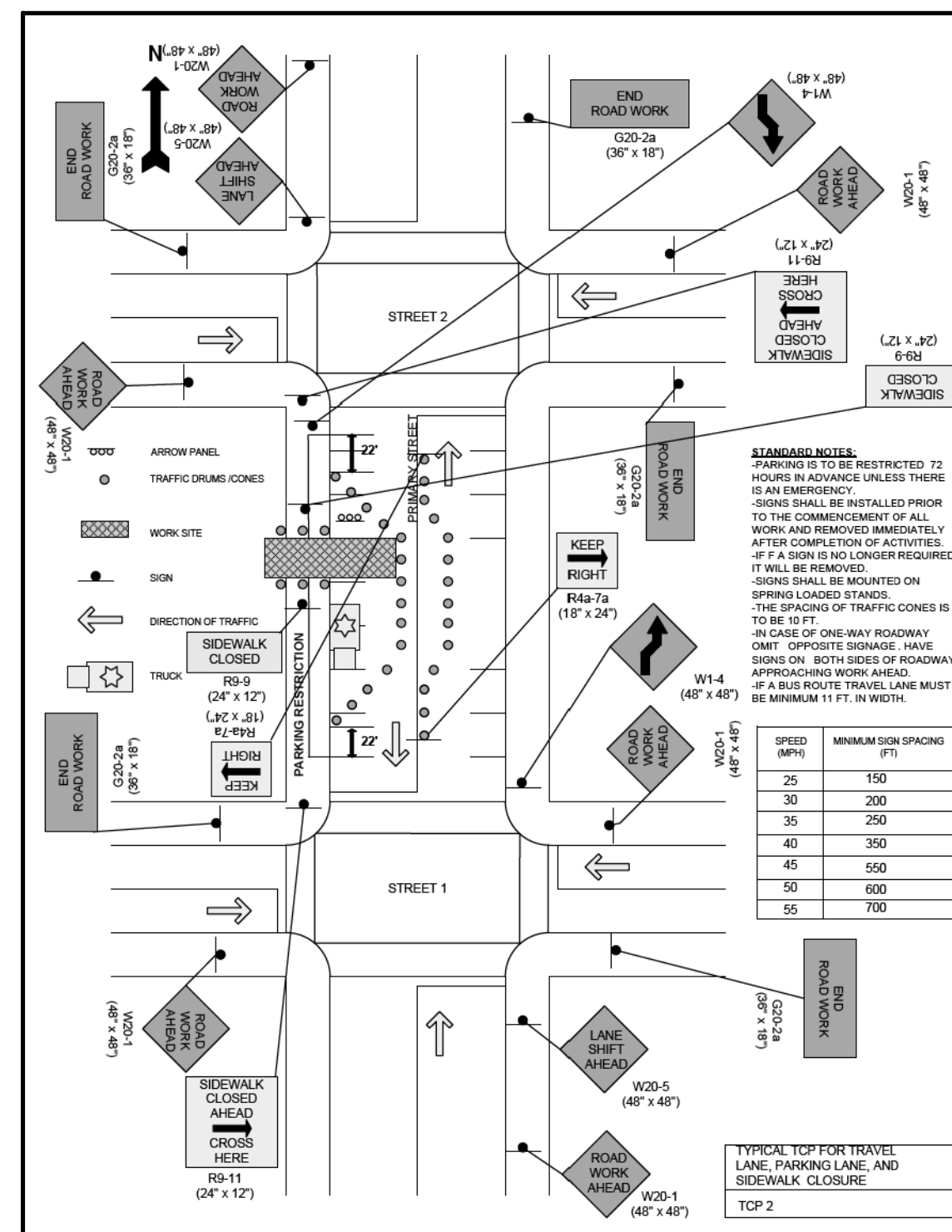
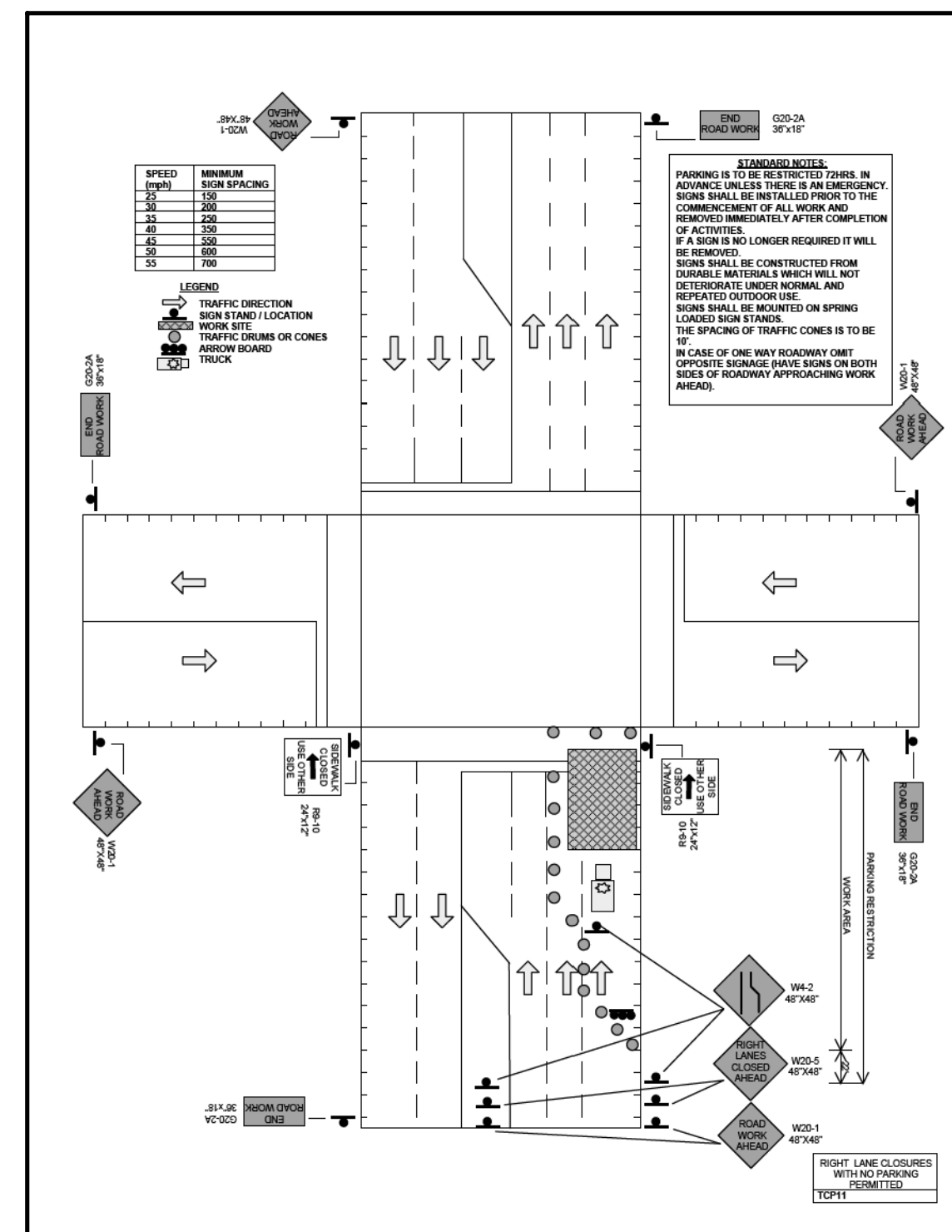
NO.	DESCRIPTION	NAME	DATE

SCALE: 1" = 20'

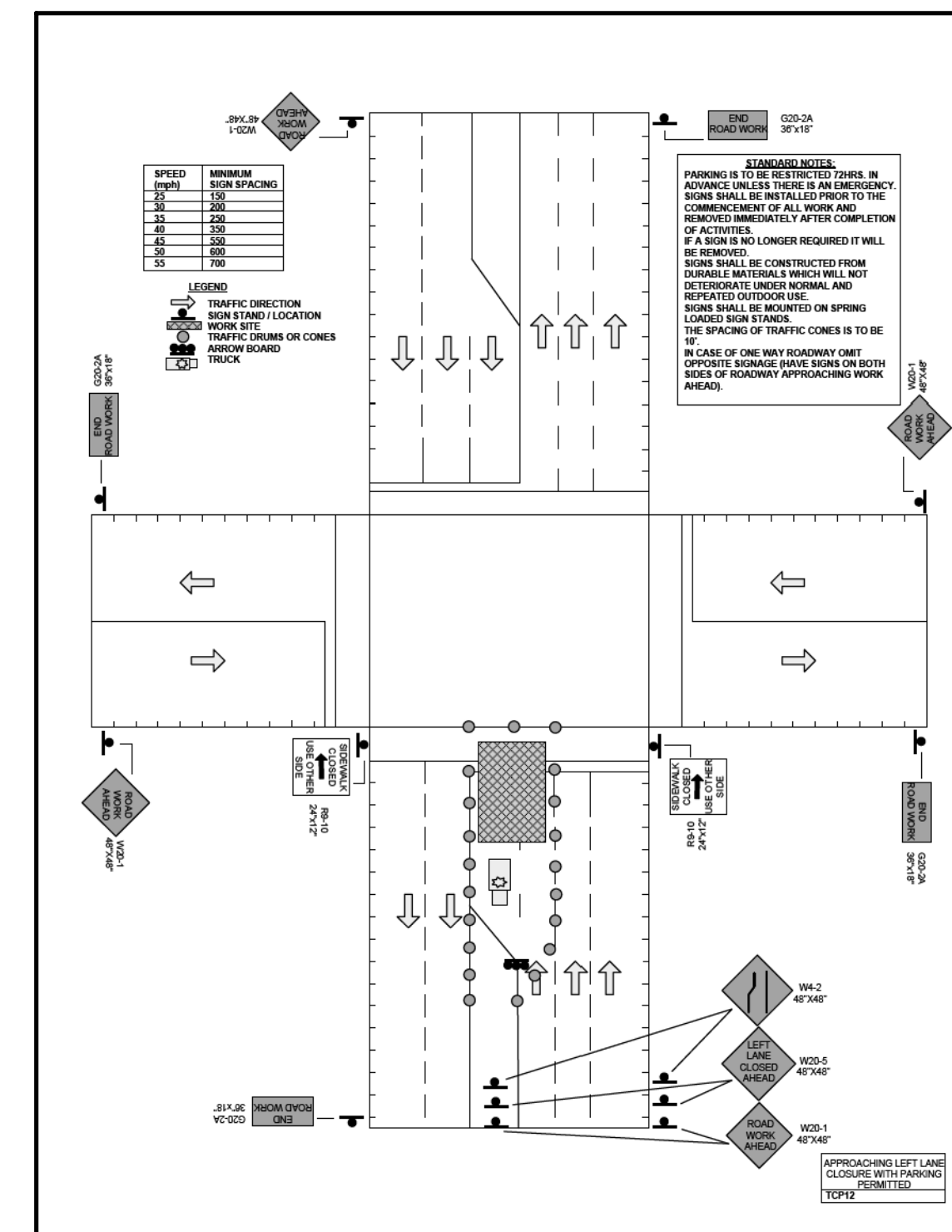
MT- 7

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
NORTH CAROLINA AVE C STREET NE STREETScape EXTENSION, 13TH ST NE TO 14 PL NE WARD 6 - WASHINGTON, D.C.	PROJECT ENG. <u>B.B.</u> DESIGNED BY <u>J.S.</u> CHECKED BY <u>H.T.</u> DRAWN BY <u>M.A.</u> PROJECT MGR. <u>B.B.</u>
MAINTENANCE OF TRAFFIC PLAN PHASE 2 NORTH CAROLINA AVENUE NE	DIVISION CHIEF
DATE _____	FILE _____
DWG. MT - 7 OF MT - 9	

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	19	32

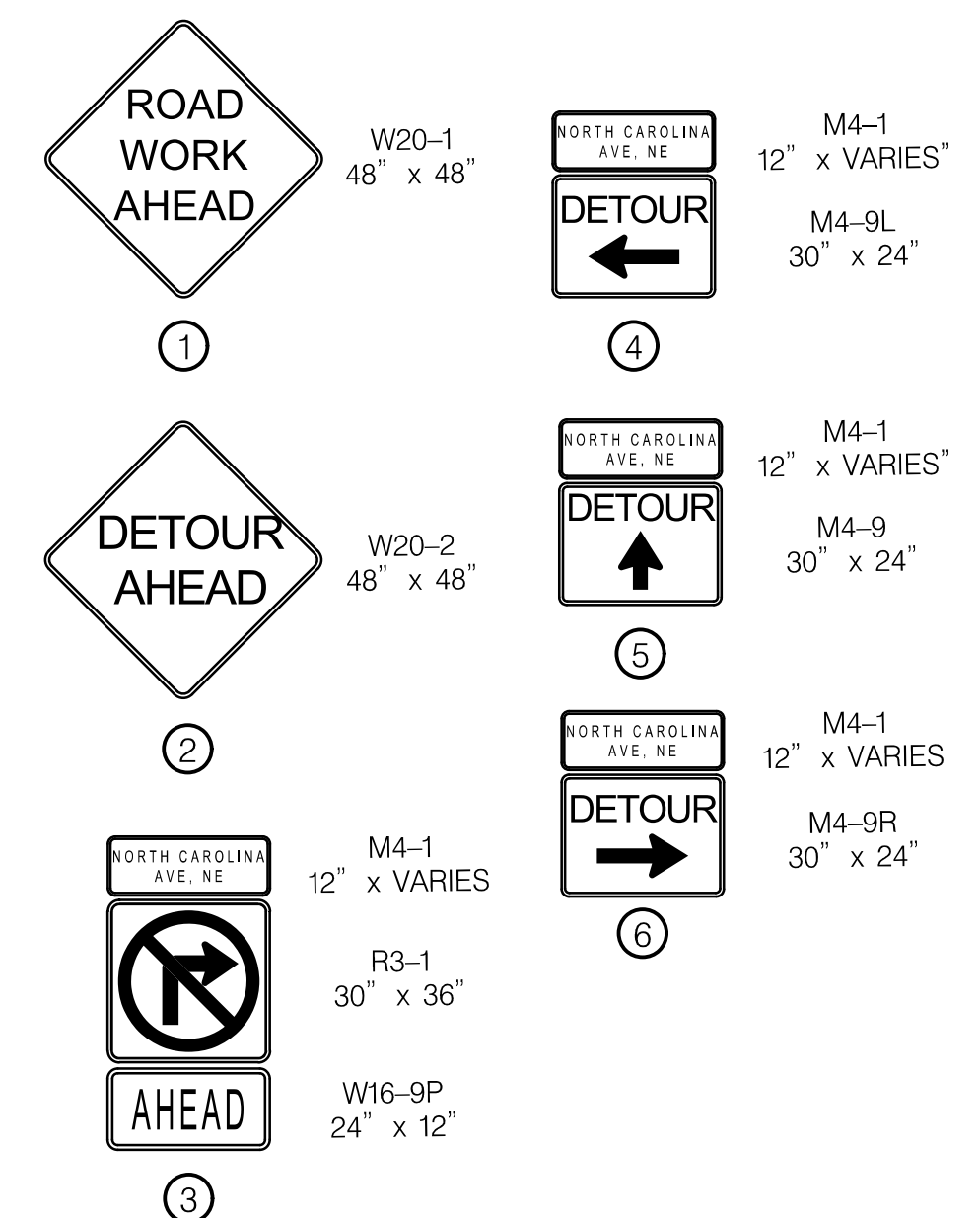
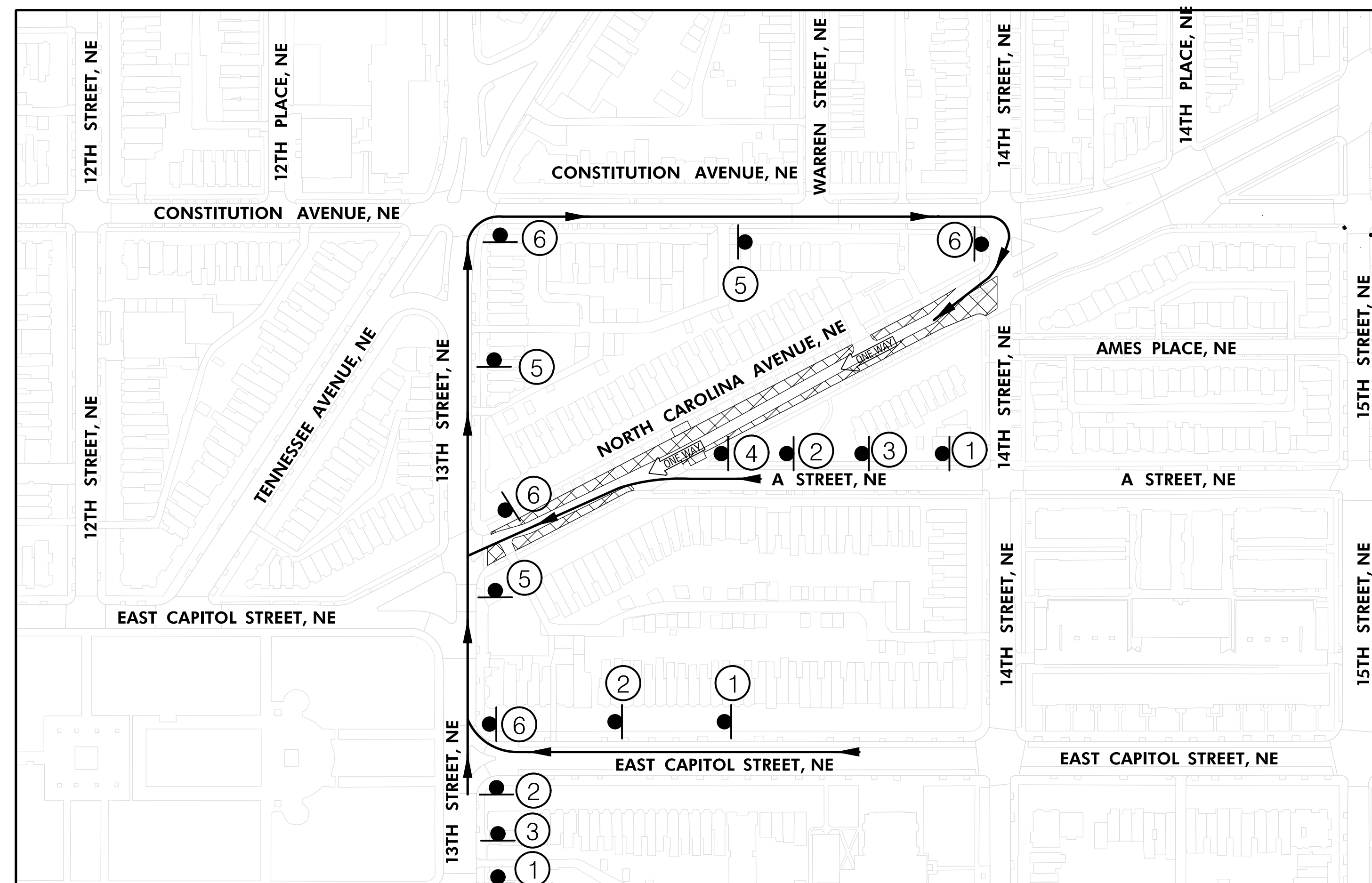
TCP-1

TCP-2



TCP-3

DETOUR FOR ONE-WAY
NORTH CAROLINA AVENUE, NE
BETWEEN 13TH STREET, NE
AND 14TH STREET, NE



MT - 9

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NORTH CAROLINA AVE
C STREET NE STREETSCAPE EXTENSION,
13TH ST NE TO 14 PL NE
WARD 6 – WASHINGTON, D.C.

PROJECT ENG. B. B.
DESIGNED BY J. S.
CHECKED BY H. T.
DRAWN BY M. A.
PROJECT MGR. B. B.

TYPICAL TCP AND DETOUR PLAN

DIVISION CHIEF	
DATE	_____
FILE	_____
DWG.	MT - 9 OF MT - 9

NO.	DESCRIPTION	NAME	DATE
REVISIONS			

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T:\344200 - 2013 DDOT Master Contract\344229 - C Street NE Redesign\07 Design\DCN\Sheets\Sign&Stripe\PSW-P001_NorthCarolinaAveNE.dgn
Friday, October 07, 2022 AT 10:41 AM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	20	32

LEGEND	
✕	EXISTING SIGN TO BE REMOVED
△	EXISTING SIGN TO BE RELOCATED
●	EXISTING SIGN TO BE REPLACED WITH SAME MESSAGE AT SAME OR NEW LOCATION
■	PROPOSED SIGN TO BE INSTALLED
⊙	EXISTING SIGN AND POST
⊙	PROPOSED SIGN AND POST
→	TRAFFIC FLOW

PAVEMENT MARKINGS	
①	4" WHITE DASHED THERMOPLASTIC PAVEMENT MARKING (2' LONG WITH 4" GAP)
②	4" WHITE SKIP THERMOPLASTIC PAVEMENT MARKING (10' LONG WITH 30' GAP)
③	4" WHITE SOLID THERMOPLASTIC PAVEMENT MARKING
④	4" DOUBLE YELLOW SOLID THERMOPLASTIC PAVEMENT MARKING
⑤	6" WHITE SOLID THERMOPLASTIC PAVEMENT MARKING
⑥	6" WHITE DASHED THERMOPLASTIC PAVEMENT MARKING (2' LONG WITH 4" GAP)
⑦	12" WHITE SOLID THERMOPLASTIC PAVEMENT MARKING
⑧	24" WHITE SOLID THERMOPLASTIC PAVEMENT MARKING
⑨	THERMOPLASTIC PAVEMENT MARKING TURN ARROW
⑩	THERMOPLASTIC PAVEMENT MARKING THROUGH ARROW
⑪	THERMOPLASTIC PAVEMENT MARKING WORD
⑫	BICYCLE SHARROW THERMOPLASTIC PAVEMENT MARKING
⑬	BICYCLE LANE ARROW THERMOPLASTIC PAVEMENT MARKING
⑭	SPEED HUMP THERMOPLASTIC PAVEMENT MARKING ARROW
⑮	GREEN THERMOPLASTIC PAINT
⑯	FLEXIBLE CHANNELIZER POST
⑰	8' X 1.5' CONCRETE CURB BLOCK (7' GAPS BETWEEN BLOCKS UNLESS SHOWN OTHERWISE ON PLANS)

SIGNING AND PAVEMENT MARKING NOTES:	
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC, UNLESS OTHERWISE NOTED.	
THE CONTRACTOR SHALL SECURE ALL EXISTING SIGNS DURING CONSTRUCTION. ANY SIGN DAMAGED BY CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.	
TEMPORARY RELOCATION OF EXISTING SIGNS DURING CONSTRUCTION WILL NOT BE MEASURED FOR PAYMENT. ASSOCIATED COST SHALL BE DISTRIBUTED AMONG OTHER MAINTENANCE OF TRAFFIC PAY ITEMS.	
NEW SIGNS SHALL BE INSTALLED BY CONTRACTOR TO THEIR PERMANENT LOCATION AT FINAL PHASE OF CONSTRUCTION.	
NEW SIGNS FURNISHED AND INSTALLED BY CONTRACTOR WILL BE MEASURED AND PAID UNDER ITEM 616022.	
SALVAGED SIGNS RE-INSTALLED BY CONTRACTOR WILL BE MEASURED AND PAID UNDER ITEM 616036.	
METRO BUS SIGNS TO BE RELOCATED/REPLACED BY WMATA.	
PROPOSED PAVEMENT MARKINGS SHALL TIE INTO EXISTING	
CONTRACTOR SHALL COORDINATE WITH JAMIE CEPLER, 202.962.6085, WHEN WORK IMPACTS BUS STOPS	

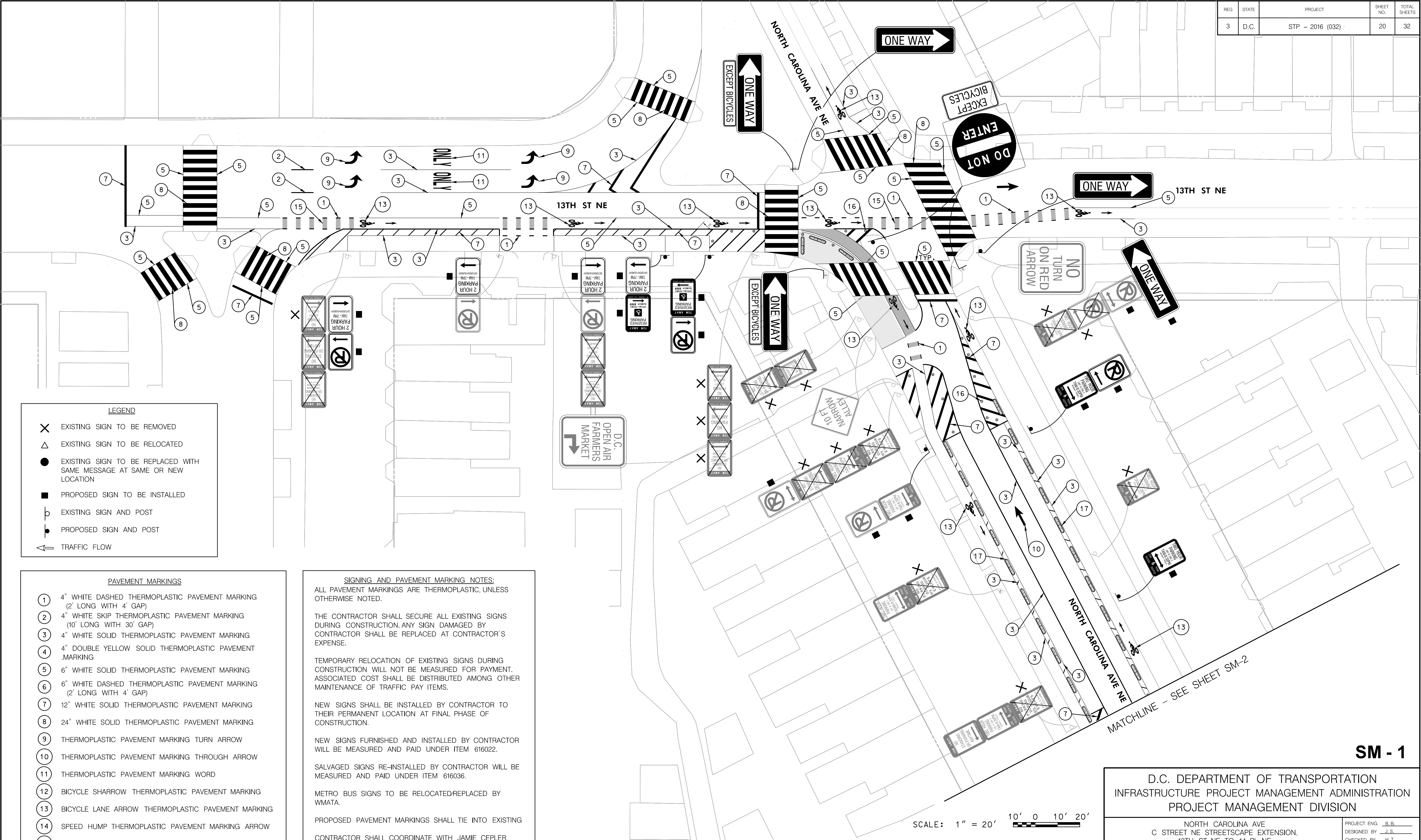
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ENGINEERING, P.C.
1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

NO.	DESCRIPTION	NAME	DATE
REVISIONS			

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
NORTH CAROLINA AVE C STREET NE STREETScape EXTENSION, 13TH ST NE TO 14 PL NE WARD 6 - WASHINGTON, D.C.	PROJECT ENG. <u> B.B. </u> DESIGNED BY <u> J.S. </u> CHECKED BY <u> H.T. </u> DRAWN BY <u> M.A. </u> PROJECT MGR. <u> B.B. </u>
SIGNS AND PAVEMENT MARKING PLAN NORTH CAROLINA AVE	DIVISION CHIEF DATE <u> </u> FILE <u> </u> DWG. SM - 1 OF SM - 5

SM - 1

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

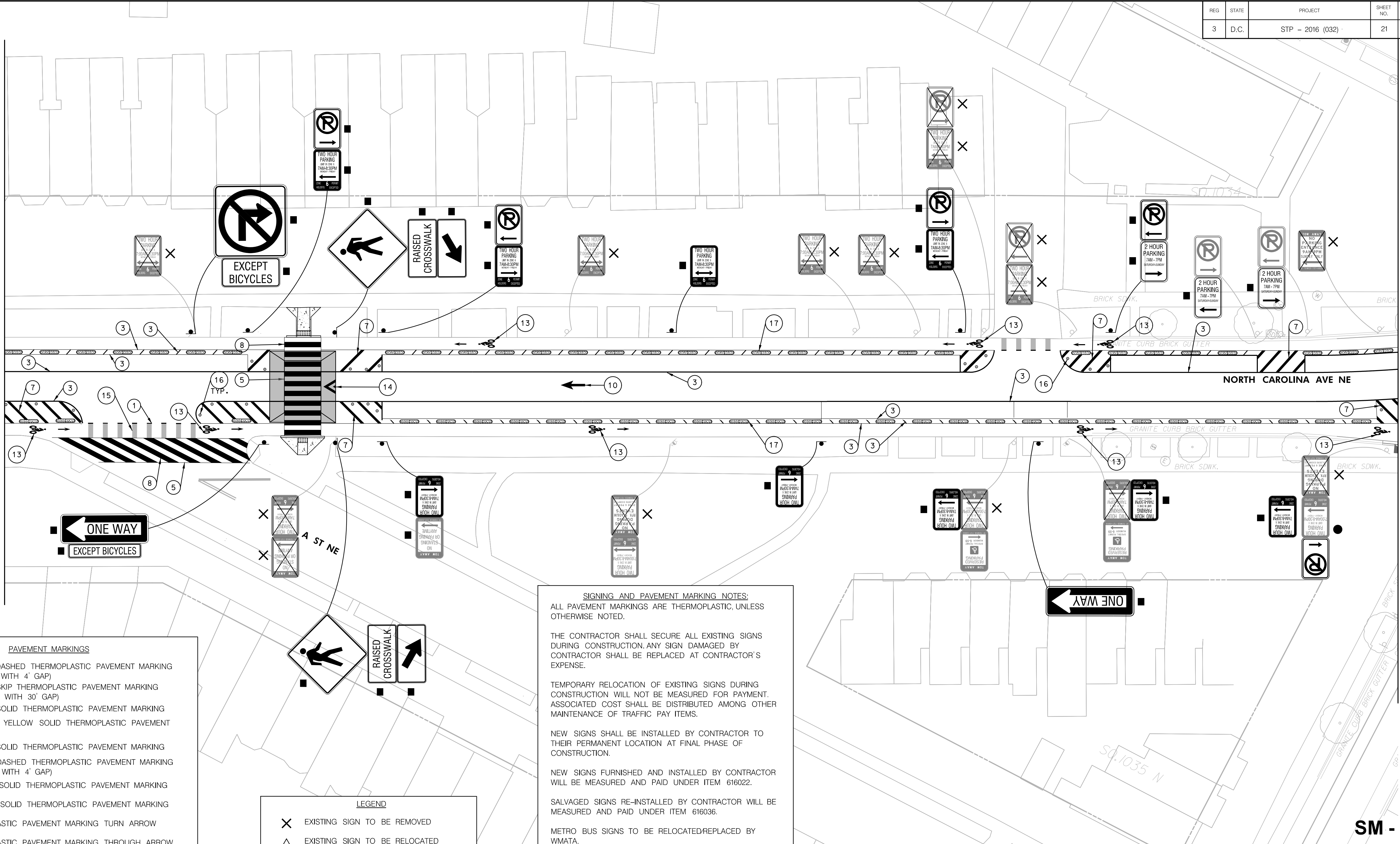


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Friday, October 07, 2022 AT 10:41 AM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	21	32

MATCHLINE - SEE SHEET SM-2

MATCHLINE - SEE SHEET SM-3



PAVEMENT MARKINGS

- 1 4" WHITE DASHED THERMOPLASTIC PAVEMENT MARKING (2' LONG WITH 4' GAP)
- 2 4" WHITE SKIP THERMOPLASTIC PAVEMENT MARKING (10' LONG WITH 30' GAP)
- 3 4" WHITE SOLID THERMOPLASTIC PAVEMENT MARKING
- 4 4" DOUBLE YELLOW SOLID THERMOPLASTIC PAVEMENT MARKING
- 5 6" WHITE SOLID THERMOPLASTIC PAVEMENT MARKING
- 6 6" WHITE DASHED THERMOPLASTIC PAVEMENT MARKING (2' LONG WITH 4' GAP)
- 7 12" WHITE SOLID THERMOPLASTIC PAVEMENT MARKING
- 8 24" WHITE SOLID THERMOPLASTIC PAVEMENT MARKING
- 9 THERMOPLASTIC PAVEMENT MARKING TURN ARROW
- 10 THERMOPLASTIC PAVEMENT MARKING THROUGH ARROW
- 11 THERMOPLASTIC PAVEMENT MARKING WORD
- 12 BICYCLE SHARROW THERMOPLASTIC PAVEMENT MARKING
- 13 BICYCLE LANE ARROW THERMOPLASTIC PAVEMENT MARKING
- 14 SPEED HUMP THERMOPLASTIC PAVEMENT MARKING ARROW
- 15 GREEN THERMOPLASTIC PAINT
- 16 FLEXIBLE CHANNELIZER POST
- 17 8' X 1.5' CONCRETE CURB BLOCK (7' GAPS BETWEEN BLOCKS UNLESS SHOWN OTHERWISE ON PLANS)

LEGEND

- ✕ EXISTING SIGN TO BE REMOVED
- △ EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO BE REPLACED WITH SAME MESSAGE AT SAME OR NEW LOCATION
- PROPOSED SIGN TO BE INSTALLED
- ⋮ EXISTING SIGN AND POST
- ⋮ PROPOSED SIGN AND POST
- ← TRAFFIC FLOW

SIGNING AND PAVEMENT MARKING NOTES:

ALL PAVEMENT MARKINGS ARE THERMOPLASTIC, UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL SECURE ALL EXISTING SIGNS DURING CONSTRUCTION. ANY SIGN DAMAGED BY CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

TEMPORARY RELOCATION OF EXISTING SIGNS DURING CONSTRUCTION WILL NOT BE MEASURED FOR PAYMENT. ASSOCIATED COST SHALL BE DISTRIBUTED AMONG OTHER MAINTENANCE OF TRAFFIC PAY ITEMS.

NEW SIGNS SHALL BE INSTALLED BY CONTRACTOR TO THEIR PERMANENT LOCATION AT FINAL PHASE OF CONSTRUCTION.

NEW SIGNS FURNISHED AND INSTALLED BY CONTRACTOR WILL BE MEASURED AND PAID UNDER ITEM 616022.

SALVAGED SIGNS RE-INSTALLED BY CONTRACTOR WILL BE MEASURED AND PAID UNDER ITEM 616036.

METRO BUS SIGNS TO BE RELOCATED/REPLACED BY WMATA.

PROPOSED PAVEMENT MARKINGS SHALL TIE INTO EXISTING

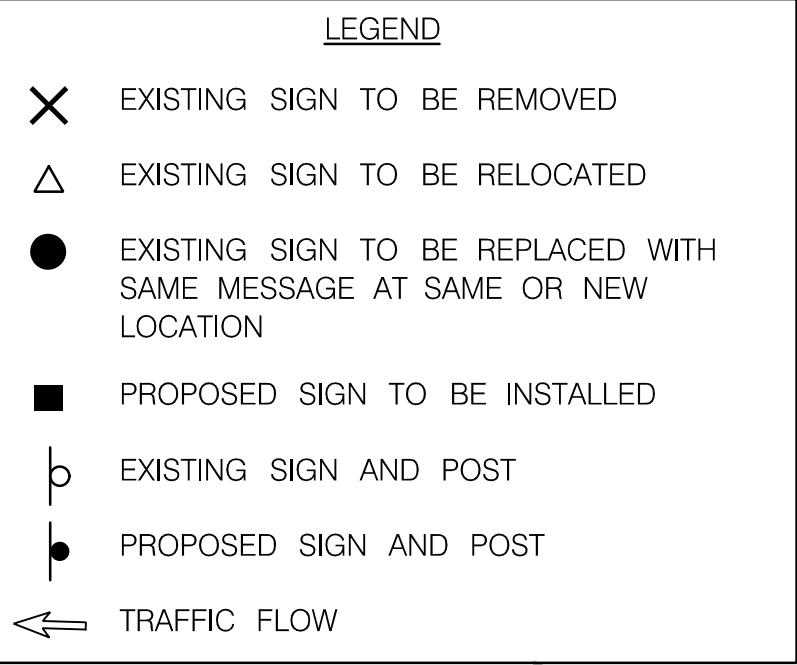
CONTRACTOR SHALL COORDINATE WITH JAMIE CEPLER, 202.962.6085, WHEN WORK IMPACTS BUS STOPS

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ENGINEERING, P.C.

1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

SCALE: 1" = 20'

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
NORTH CAROLINA AVE C STREET NE STREETSCAPE EXTENSION, 13TH ST NE TO 14 PL NE WARD 6 - WASHINGTON, D.C.	PROJECT ENG. _B.B._ DESIGNED BY _J.S._ CHECKED BY _H.T._ DRAWN BY _M.W._ PROJECT MGR. _B.B._
SIGNS AND PAVEMENT MARKING PLAN NORTH CAROLINA AVE	DIVISION CHIEF
	DATE _____ FILE _____ DWG. SM - 2 OF SM - 5



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1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003

NO	DESCRIPTION	NAME	DATE
REVISIONS			

SIGNING AND PAVEMENT MARKING NOTES:

ALL PAVEMENT MARKINGS ARE THERMOPLASTIC, UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL SECURE ALL EXISTING SIGNS DURING CONSTRUCTION. ANY SIGN DAMAGED BY CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

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SALVAGED SIGNS RE-INSTALLED BY CONTRACTOR WILL BE MEASURED AND PAID UNDER ITEM 616036.

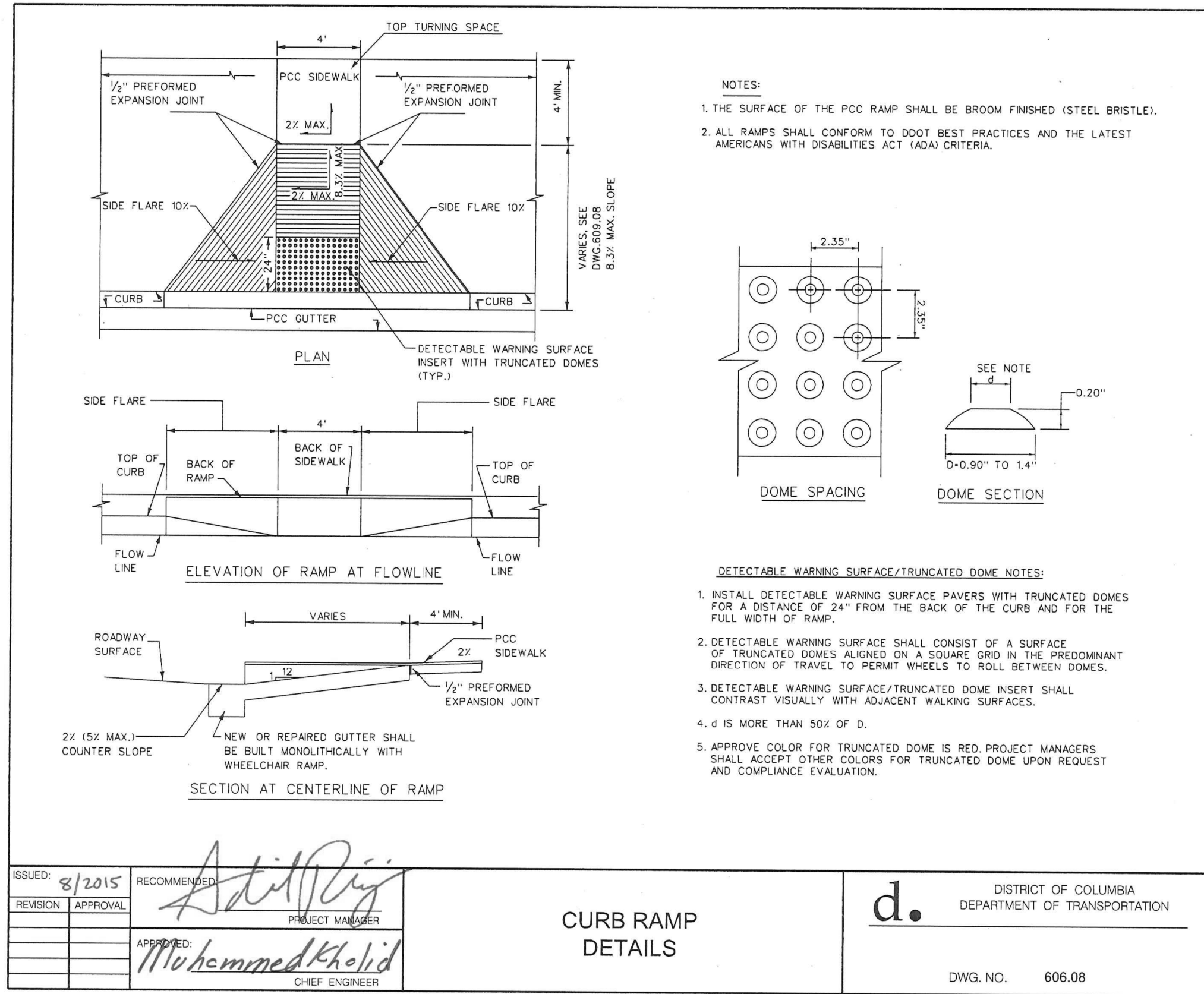
METRO BUS SIGNS TO BE RELOCATED/REPLACED BY WMATA.

PROPOSED PAVEMENT MARKINGS SHALL TIE INTO EXISTING

CONTRACTOR SHALL COORDINATE WITH JAMIE CEPLER, 202.962.6085, WHEN WORK IMPACTS BUS STOPS

SM - 3

<p align="center">D.C. DEPARTMENT OF TRANSPORTATION</p> <p align="center">INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION</p> <p align="center">PROJECT MANAGEMENT DIVISION</p>	
<p align="center">NORTH CAROLINA AVE C STREET NE STREETScape EXTENSION, 13TH ST NE TO 14 PL NE</p> <p align="center">WARD 6 – WASHINGTON, D.C.</p>	<p>PROJECT ENG. <u>B. B.</u></p> <p>DESIGNED BY <u>J. S.</u></p> <p>CHECKED BY <u>H. T.</u></p> <p>DRAWN BY <u>M. A.</u></p> <p>PROJECT MGR. <u>B. B.</u></p>
<p align="center">SIGNS AND PAVEMENT MARKING PLAN</p> <p align="center">NORTH CAROLINA AVE</p>	<p align="center">DIVISION CHIEF</p> <p>DATE _____</p> <p>FILE _____</p> <p align="center">DWG. SM – 3 OF SM – 5</p>

SM - 4[illegible]

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Friday, October 01, 2022 AT 01:47 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	24	32

TABLE OF REGULATORY , WARNING AND SPECIAL SIGNS					
MESSAGE ON SIGN	SIGN TYPE CODE NUMBER	NO. OF SIGNS REQUIRED	SIGN SIZE	SQ FT	SQ FT TOTAL
	D1-1B	1	24 in x 6 in	1	1
	D1-1B	1	24 in x 6 in	1	1
	D11-1	2	24 in x 18 in	3	6
	R3-1	1	30 in x 30 in	6.25	6.25
	R3-2	1	30 in x 30 in	6.25	6.25
	R3-5g	1	24 in x 12 in	2	2
	R3-7bP	6	30 in x 12 in	2.5	15
	R5-1	4	30 in x 30 in	6.25	25
	R5-4	1	24 in x 18 in	3	3
	R6-1L	5	36 in x 12 in	3	15
	R6-1R	5	36 in x 12 in	3	15
	R6-2L	2	18 in x 24 in	3	6
	R7-CUSTOM	4	12 in x 18 in	1.5	6
	R7-CUSTOM	4	12 in x 18 in	1.5	6
	R7-CUSTOM	7	12 in x 18 in	1.5	10.5
	R7-CUSTOM	6	12 in x 18 in	1.5	9
	R7-CUSTOM	2	12 in x 18 in	1.5	3
	R7-1	7	12 in x 18 in	1.5	10.5

TABLE OF REGULATORY , WARNING AND SPECIAL SIGNS					
MESSAGE ON SIGN	SIGN TYPE CODE NUMBER	NO. OF SIGNS REQUIRED	SIGN SIZE	SQ FT	SQ FT TOTAL
	R7-1	5	12 in x 18 in	1.5	7.5
	R7-1	3	12 in x 18 in	1.5	4.5
	R7-8	1	12 in x 18 in	1.5	1.5
	R7-8	1	12 in x 18 in	1.5	1.5
	R9-CUSTOM	1	12 in x 18 in	1.5	1.5
	R9-6	1	12 in x 18 in	1.5	1.5
	R9-7	1	12 in x 18 in	1.5	1.5
	R10-11a	1	24 in x 30 in	5	5
	R3-2	1	30 in x 30 in	6.25	6.25
	W11-1	1	30 in x 30 in	6.25	6.25
	W11-2	1	30 in x 30 in	6.25	6.25
	W11-2	1	30 in x 30 in	6.25	6.25
	W16-7P	1	24 in x 12 in	2	2

TABLE OF REGULATORY , WARNING AND SPECIAL SIGNS					
MESSAGE ON SIGN	SIGN TYPE CODE NUMBER	NO. OF SIGNS REQUIRED	SIGN SIZE	SQ FT	SQ FT TOTAL
	W16-7P	1	24 in x 12 in	2	2
	M4-1	2	24 in x 12 in	2	4
		1	24 in x 12 in	2	2
		2	24 in x 12 in	2	4
		1	24 in x 12 in	2	2

SM - 5

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
NORTH CAROLINA AVE C STREET NE STREETScape EXTENSION, 13TH ST NE TO 14 PL NE WARD 6 - WASHINGTON, D.C.	PROJECT ENG. <u> B.B. </u> DESIGNED BY <u> J.S. </u> CHECKED BY <u> O.B. </u> DRAWN BY <u> M.A. </u> PROJECT MGR. <u> B.B. </u>
PERMANENT SIGN SCHEDULE	DIVISION CHIEF DATE <u> </u> FILE <u> </u> DWG. SM - 5 OF SM - 5

 1100 New Jersey Avenue SE, Suite 410, WASHINGTON, DC 20003			
	NO	DESCRIPTION	NAME DATE
REVISIONS			

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Friday, October 07, 2022 AT 01:48 PM

REVISION							
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.

GENERAL NOTES:

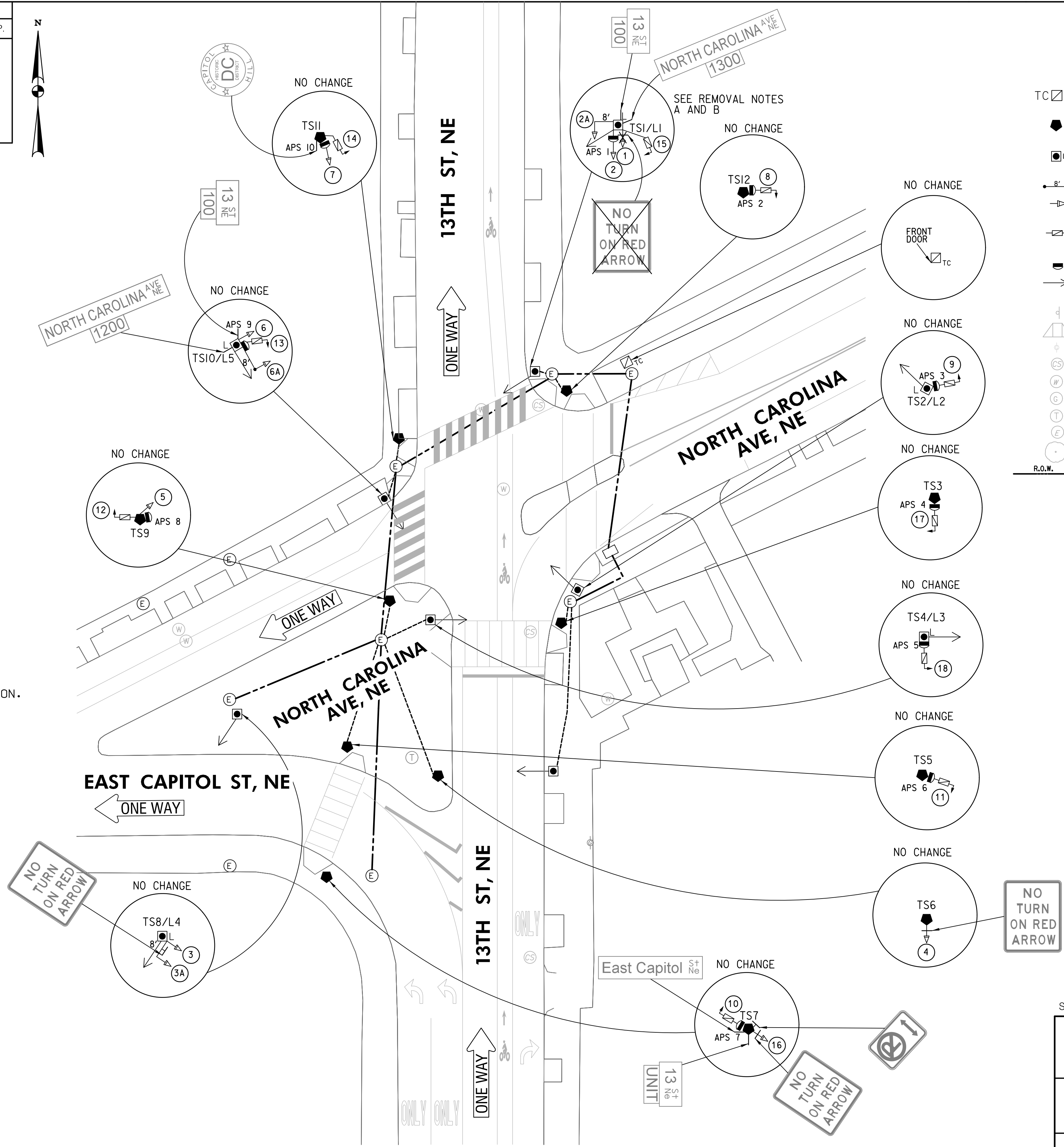
- A. ALL WORK RELATING TO THE INSTALLATION OF THE TRAFFIC SIGNALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD SPECIFICATIONS, STANDARD DRAWINGS, AND THE CONTRACT SPECIAL PROVISIONS.
- B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS FOR ALL MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
- C. THE CONTRACTOR SHALL FURNISH ALL TEMPORARY, PORTABLE, CONCRETE BASES, TRAFFIC SIGNAL POLES, TRAFFIC AND PEDESTRIAN SIGNAL HEADS, TRANSFORMER BASES AND ALL MOUNTING HARDWARE.
- D. THE CONTRACTOR SHALL RETURN ALL REMOVED TRAFFIC SIGNAL EQUIPMENT TO THE DDOT SIGNAL SHOP. CONTACT MR. RANDOLPH COOPER AT LEAST 72 HOURS IN ADVANCE AT 202-905-6059 TO ARRANGE SERVICE.
- E. IF THE EXISTING PEPCO POWER IS TO BE MODIFIED, THE CONTRACTOR SHALL CONTACT PEPCO TO ARRANGE SERVICE AND PAY FEES.
- F. THE CONTRACTOR SHALL RELOCATE ALL SIGNS ON EXISTING POLES TO TEMPORARY POLES, UNLESS INDICATED OTHERWISE ON PLAN.
- G. NO ABOVE GROUND HARDWARE WILL BE PLACED SUCH THAT A MINIMUM 4' CONTINUOUS PATH FOR ADA PURPOSES IS NOT MAINTAINED.
- H. ALL TEMPORARY POLES SHALL BE PROPERLY GROUNDED. DDOT SIGNAL TECHNICIAN WILL NOT ACTIVATE ANY SIGNAL UNLESS POLES ARE PROPERLY GROUNDED.
- I. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER ALIGNMENT AND OPERATION OF ALL SIGNALS ON TEMPORARY POLES.
- J. NO TEMPORARY CABLES SHALL BE DIRECT BURIED. ALL TEMPORARY CABLING SHALL BE PROPERLY ENCLOSED IN FLEX CONDUIT AND SHALL BE ACCESSIBLE SHOULD EMERGENCY REPLACEMENT BE REQUIRED.
- K. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERMANENT RESTORATION OF ALL DISTURBED PAVEMENT, REPAIRED MARKINGS, CURBS, SIDEWALKS, LANDSCAPING IRRIGATION AREAS DURING CONSTRUCTION AND AT THE END OF CONSTRUCTION.
- L. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC SIGNAL ITEMS AS SHOWN ON THE APPROVED TRAFFIC SIGNAL PLANS.
- M. NO CHANGES FROM PLANS IN LOCATION OF THE SUPPORTING STRUCTURES, SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT DEPARTMENT OF TRANSPORTATION, TRAFFIC SIGNAL DIVISION.

CABLE NOTES:

1. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
2. TEMPORARY SIGNAL CABLES EXTENDING OVER THE GROUND SURFACE SHALL BE PROTECTED BY FLEXIBLE PLASTIC CONDUIT.
3. THE CONTRACTOR SHALL PROVIDE 50 FEET OF SLACK CABLE COILED NEATLY AT EACH TEMPORARY, PORTABLE, CONCRETE BASE.

REMOVAL NOTES:

- A. COVER EXISTING TRAFFIC SIGNAL HEAD NO. 1.
- B. REMOVE EXISTING TRAFFIC SIGNAL SIGN AS SHOWN ON PLAN.

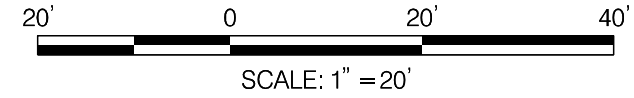


LEGEND:

TC	EXISTING TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND EXTERNAL UPS SYSTEM
●	EXISTING 20-FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
■	EXISTING 28.5-FOOT PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND A TRANSFORMER BASE
8'	EXISTING 8-FOOT MAST ARM WITH CAP AND CLAMP
→	EXISTING 3-SECTION LED TRAFFIC SIGNAL HEAD CONVENTIONAL (ALL LENSES 12")
→	EXISTING 2-SECTION LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD (ALL LENSES 12")
→	EXISTING ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTON
→	EXISTING LUMINAIRE AND SUPPORT ARM INDICATES DIRECTION OF LIGHT
→	EXISTING SIGN
→	EXISTING WHEELCHAIR RAMP
→	EXISTING GAS VALVE
→	EXISTING COMBINED SANITARY MANHOLE
→	EXISTING WATER MANHOLE
→	EXISTING GAS MANHOLE
→	EXISTING TELEPHONE MANHOLE
→	EXISTING ELECTRICAL MANHOLE
→	EXISTING TREE
→	RIGHT OF WAY LINE

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	25	32

VOLKERT
ENGINEERING, P.C.
1100 NEW JERSEY AVE. SE, SUITE 410, WASHINGTON, DC 20003



APPROVED BY _____ DATE _____

SEQUENCE OF OPERATION DRAWING NO. TS 1603-C

DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION TRAFFIC ENGINEERING AND SIGNALS DIVISION		ACISA 4228
13TH STREET, EAST CAPITOL STREET, AND NORTH CAROLINA AVENUE, N.E. TRAFFIC SIGNAL MODIFICATION		STAGE 1
SUBMITTED: _____ DATE _____		DESIGNED BY JS
RECOMMENDED: _____ DATE _____		DRAWN BY MA
ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER _____ DATE _____		REVIEWED BY HT
APPROVED: _____ DATE _____		DATE 10/22
		SCALE 1" = 20'
		SHEET 1 OF 1
		DRAWING NO. S-2126-B

SG - 1

T:\344200 - 2013 DDOT Master Contract\344229 - C Street NE Redesign\07 Design\DCM Sheets\SIGNALS\PSG-P002-NorthCarolinaAveNE_NC and 13th_Final_plan.dgn
Friday, October 07, 2022 AT 01:49 PM

REVISION							
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.



GENERAL NOTES:

- A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
- B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
- C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS, MANHOLES, POLE FOUNDATIONS, AND CONTROLLER CABINET FOUNDATION.
- E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC AND PEDESTRIAN SIGNAL HEADS, TRAFFIC SIGNAL POLES, TRANSFORMER BASES, APS UNITS, TRAFFIC SIGNAL CONTROLLER, CABINET, AND ALL MOUNTING HARDWARE.
- F. THE CONTRACTOR SHALL REMOVE ALL EXISTING TRAFFIC SIGNAL POLES, CONTROLLER AND HARDWARE MOUNTED ON TEMPORARY, PORTABLE, CONCRETE BASES, AS WELL AS THE EXISTING PEDESTAL POLE (IF ANY) AND THE PEDESTRIAN PUSH BUTTON AND APS UNIT MOUNTED ON IT.
- G. THE CONTRACTOR SHALL REMOVE ALL EXISTING TEMPORARY, PORTABLE, CONCRETE BASES.
- H. THE CONTRACTOR SHALL RETURN ALL REMOVED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP, CONTACT MR. RANDOLPH COPPER 72 HOURS IN ADVANCE AT (202) 905-6059 TO ARRANGE SERVICE.
- I. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FEET CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
- J. A NEW PEPKO ELECTRICAL SERVICE IS REQUIRED. THE CONTRACTOR SHALL COORDINATE SERVICE INSTALLATION AND PAYMENT WITH PEPKO IN ACCORDANCE WITH CONTRACT SPECIAL PROVISIONS.

MAST ARM NOTES:

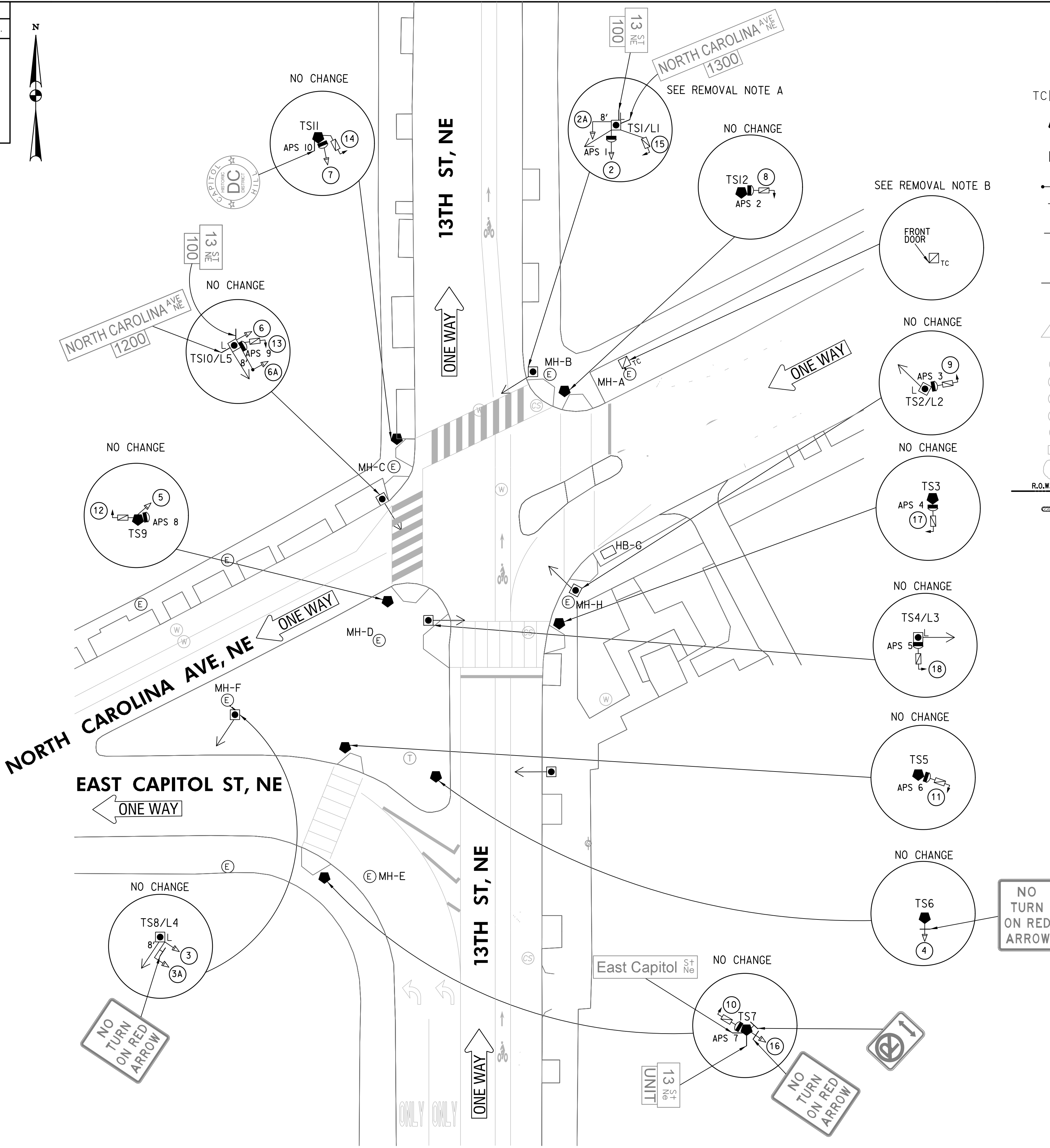
- A. A BACK PLATE SHALL BE AFFIXED TO EACH MAST ARM MOUNTED SIGNAL HEAD.
- B. THE BOTTOM OF MAST ARM MOUNTED SIGNAL HEADS SHALL BE 16 FEET ABOVE THE ROADWAY SURFACE.
- C. EXISTING SIGNAL HEADS 2A, 3A AND 6A ARE MOUNTED WITH AN ASTRO-BRAC OR APPROVED EQUIVALENT.

CABLE NOTES:

- A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
- B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
- C. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED, SHIELDED 4C 18AWG STRANDED CABLES TO ALL APS UNITS. A SEGMENT OF 4C 18AWG SHIELDED, STRANDED CABLE SHALL EXTEND FROM EACH POLE MOUNTED APS UNIT TO THE 2-SECTION PEDESTRIAN SIGNAL HEAD MOUNTED ON THE SAME POLE.
- D. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW 12 STRAND FIBER OPTIC COMMUNICATION CABLES.

REMOVAL NOTES:

- A. REMOVE SIGNAL HEAD NO. 1 AND ASSOCIATED WIRING CABLE.
- B. REMOVE ASSOCIATED WIRING CONNECTION FOR SIGNAL HEAD NO. 1 IN EXISTING CONTROLLER CABINET.



REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	26	32

LEGEND:

TC EXISTING TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND EXTERNAL UPS SYSTEM

EXISTING 20-FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE

EXISTING 28.5-FOOT PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND A TRANSFORMER BASE

EXISTING 8-FOOT MAST ARM WITH CAP AND CLAMP

EXISTING 3-SECTION LED TRAFFIC SIGNAL HEAD CONVENTIONAL (ALL LENSES 12")

EXISTING 2-SECTION LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD (ALL LENSES 12")

EXISTING ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTON

EXISTING LUMINAIRE AND SUPPORT ARM INDICATES DIRECTION OF LIGHT

EXISTING SIGN

EXISTING WHEELCHAIR RAMP

EXISTING GAS VALVE

EXISTING COMBINED SANITARY MANHOLE

EXISTING WATER MANHOLE

EXISTING GAS MANHOLE

EXISTING TELEPHONE MANHOLE

EXISTING ELECTRICAL MANHOLE

EXISTING HANDBOX

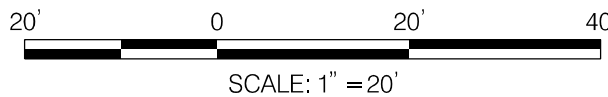
EXISTING TREE

RIGHT OF WAY LINE

PROPOSED 8' X 1.5' CONCRETE CURB BLOCK

PROPOSED FLEXIBLE CHANNELIZER POST

VOLKERT
ENGINEERING, P.C.
1100 NEW JERSEY AVE. SE, SUITE 410, WASHINGTON, DC 20003



APPROVED BY _____ DATE _____

SEQUENCE OF OPERATION DRAWING NO. TS 1603-D

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

13TH STREET, EAST CAPITOL STREET, AND
NORTH CAROLINA AVENUE, N.E.
TRAFFIC SIGNAL MODIFICATION

SUBMITTED: _____ DATE _____
TRAFFIC SIGNAL PROJECT ENGINEER

RECOMMENDED: _____ DATE _____
TRAFFIC SIGNAL DESIGN PROJECT MANAGER

ITS / _____ DATE _____
TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER

APPROVED: _____ DATE _____
TRAFFIC SIGNAL PROGRAM MANAGER

SG - 2

ACISA
4228

FINAL

FIELD CHECKED BY
PK

DESIGNED BY
JS

DRAWN BY
MA

REVIEWED BY
HT

DATE
10/22

SCALE
1" = 20'

SHEET
1

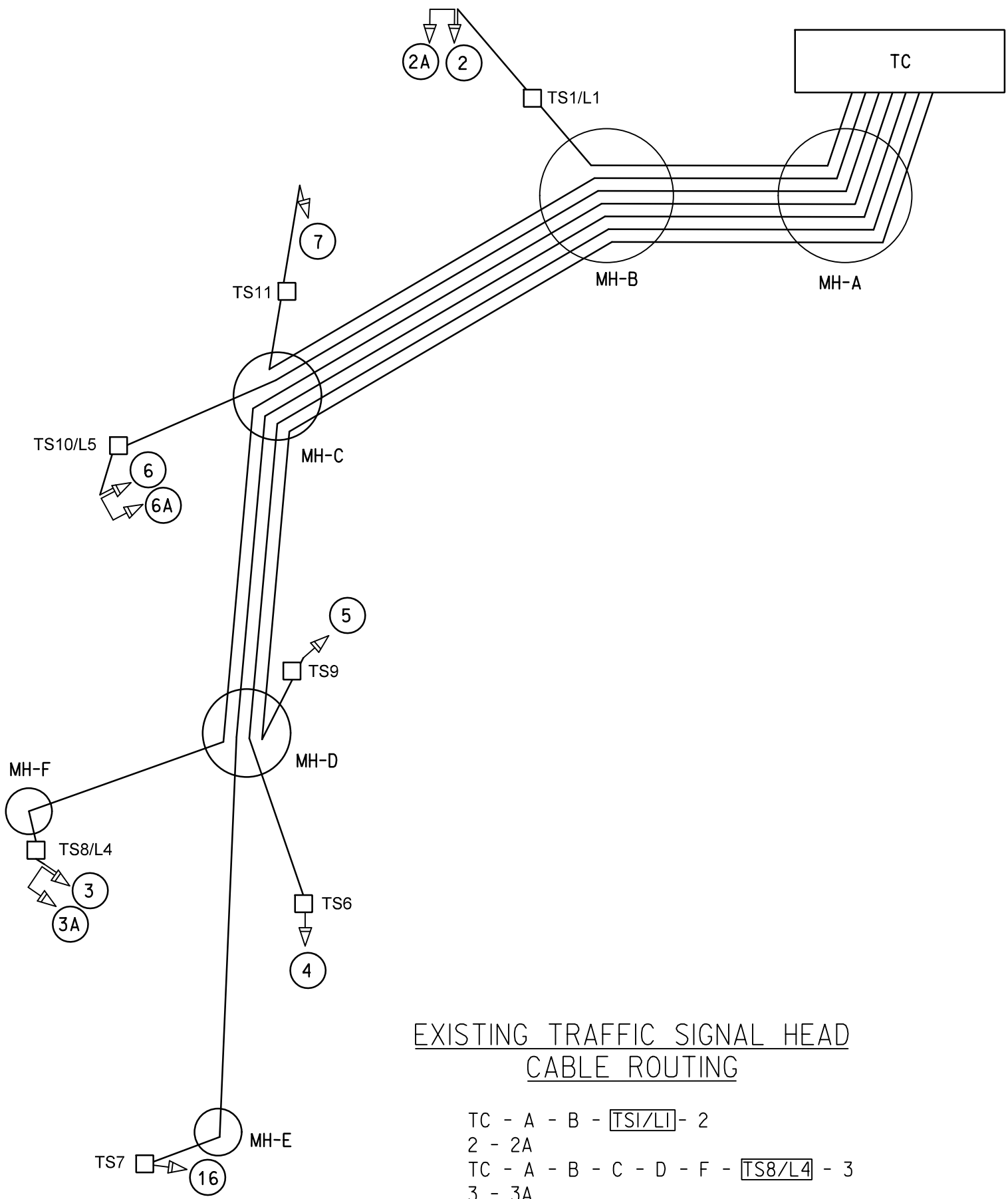
OF
3

DRAWING NO.
S-2126-C

T:\344200 - 2013 DDOT Master Contract\344229 - C Street NE Redesign\07 Design\DDOT Sheets\Signals\p5G-P003.NorthCarolinaAve_NC and 13th.cable.plan.dgn
Friday, October 07, 2022 AT 01:49 PM

REVISION							
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.

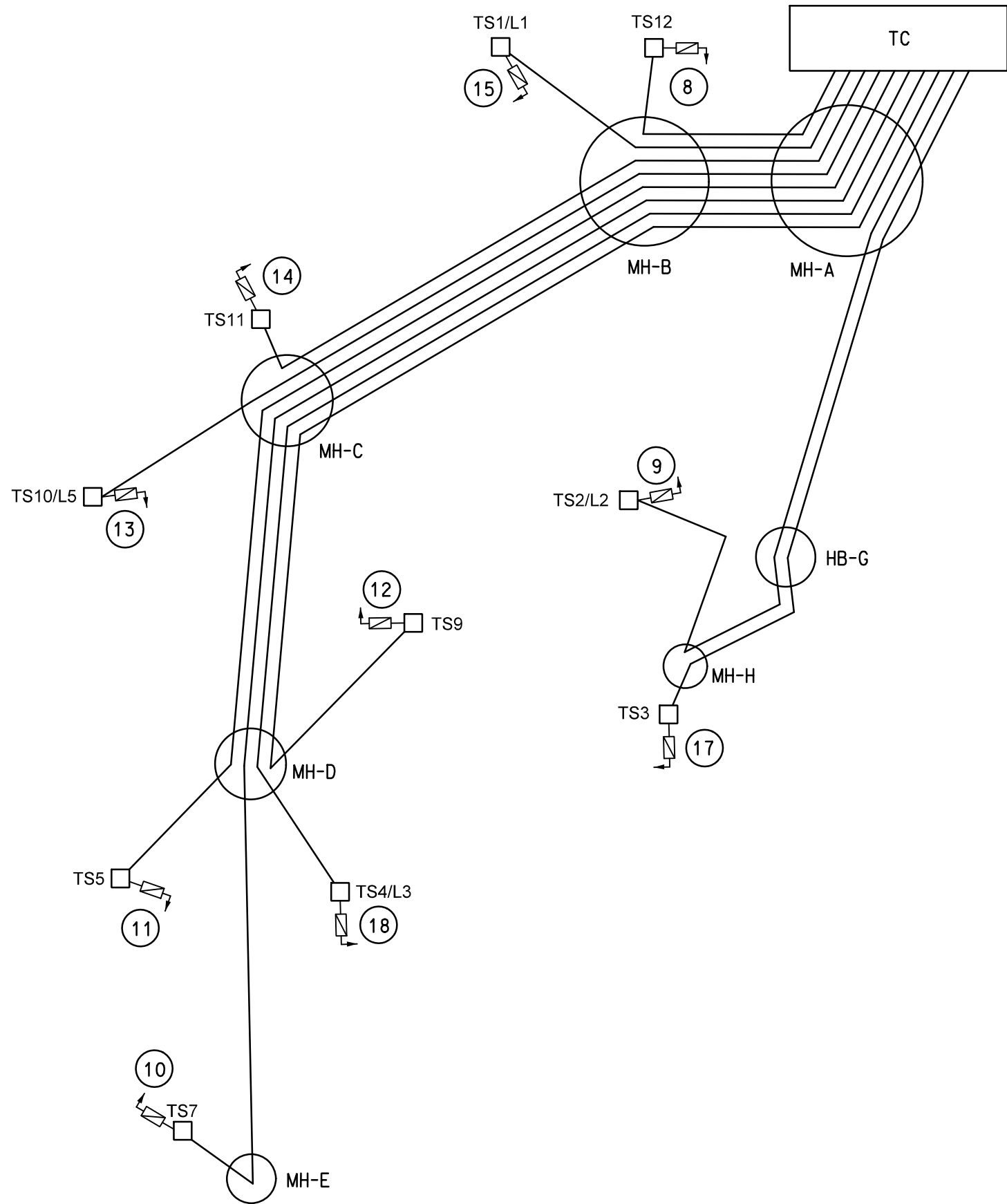
EXISTING TRAFFIC SIGNAL HEAD
CABLE SCHEMATIC
7 CONDUCTOR - 14 AWG (STRANDED)



EXISTING TRAFFIC SIGNAL HEAD
CABLE ROUTING

TC - A - B - [TS1/L1] - 2
2 - 2A
TC - A - B - C - D - F - [TS8/L4] - 3
3 - 3A
TC - A - B - C - D - [TS6] - 4
TC - A - B - C - D - [TS9] - 5
TC - A - B - C - [TS10/L5] - 6
6 - 6A
TC - A - B - C - [TS11] - 7
TC - A - B - C - D - E - [TS7] - 16

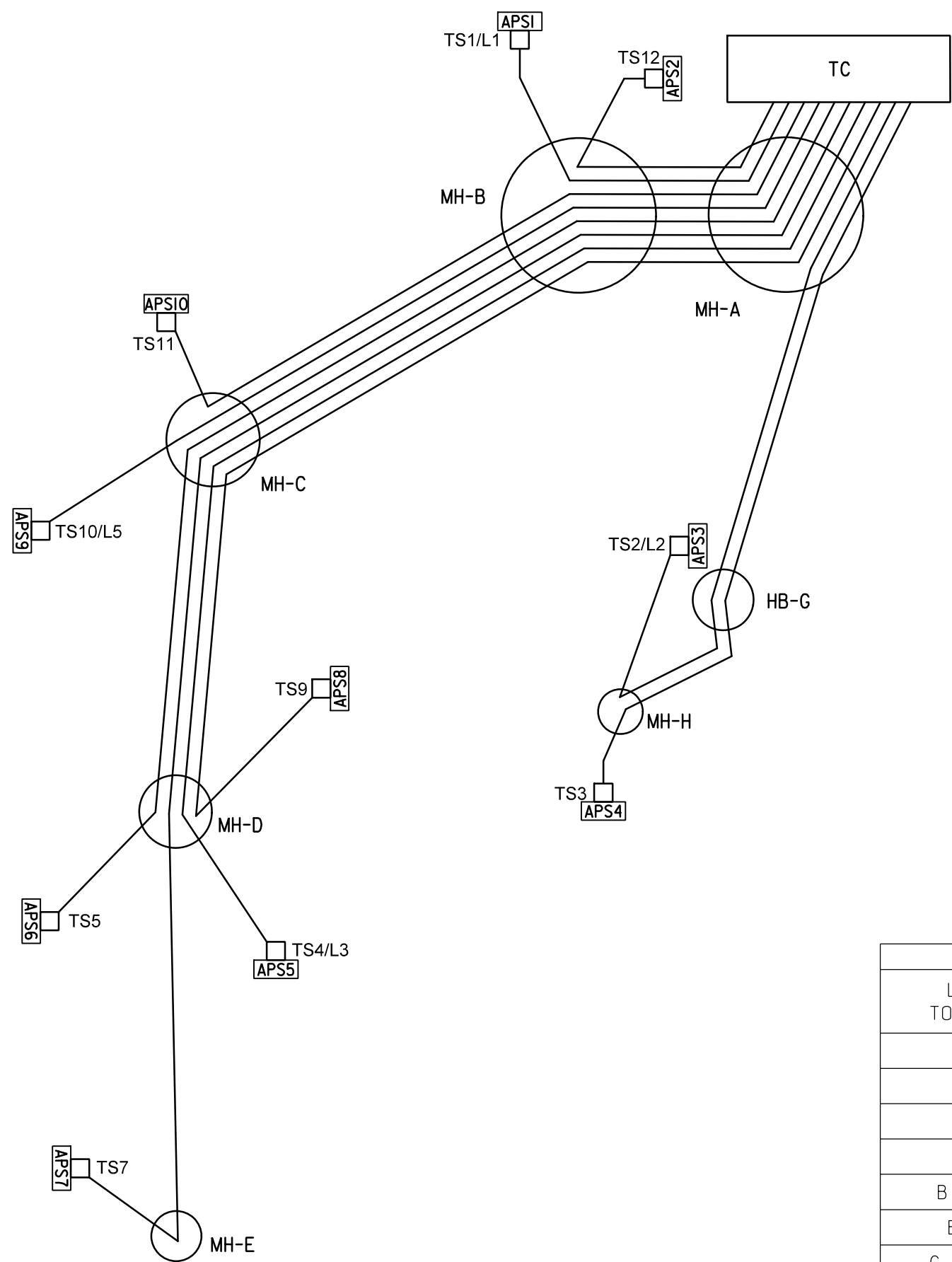
EXISTING PEDESTRIAN SIGNAL HEAD
CABLE SCHEMATIC
7 CONDUCTOR - 14 AWG (STRANDED)



EXISTING PEDESTRIAN SIGNAL HEAD
CABLE ROUTING

TC - A - B - [TS12] - 8
TC - A - HB-G - H - [TS2/L2] - 9
TC - A - B - C - D - E - [TS7] - 10
TC - A - B - C - D - [TS5] - 11
TC - A - B - C - D - [TS9] - 12
TC - A - B - C - [TS10/L5] - 13
TC - A - B - C - [TS11] - 14
TC - A - B - [TS1/L1] - 15
TC - A - HB-G - H - [TS3] - 17
TC - A - B - C - D - [TS4/L3] - 18

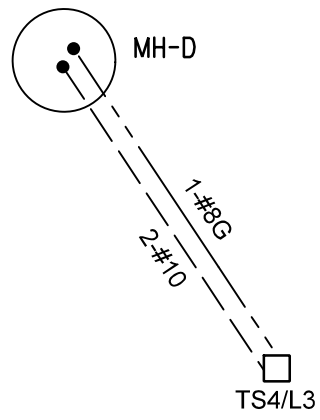
EXISTING ACCESSIBLE PEDESTRIAN SIGNAL (APS),
CABLE SCHEMATIC
4 CONDUCTOR - 18 AWG (STRANDED)



EXISTING ACCESSIBLE PEDESTRIAN SIGNAL (APS)
CABLE ROUTING

TC - A - B - [TS1/L1] - APS-1 - 15
TC - A - B - [TS12] - APS-2 - 8
TC - A - HB-G - H - [TS2/L2] - APS-3 - 9
TC - A - HB-G - H - [TS3] - APS-4 - 17
TC - A - B - C - D - [TS4/L3] - APS-5 - 18
TC - A - B - C - D - [TS5] - APS-6 - 11
TC - A - B - C - D - E - [TS7] - APS-7 - 10
TC - A - B - C - D - [TS9] - APS-8 - 12
TC - A - B - C - [TS10/L5] - APS-9 - 13
TC - A - B - C - [TS11] - APS-10 - 14

EXISTING STREETLIGHT
CABLE SCHEMATIC



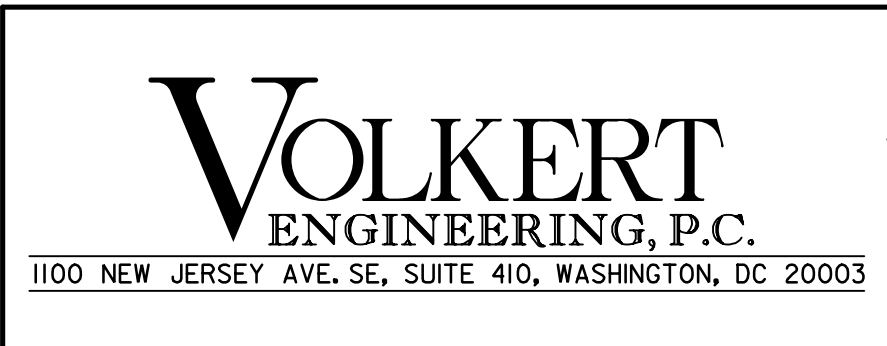
EXISTING STREETLIGHT
CABLE ROUTING

D - [TS4/L3]

CONDUIT SUMMARY				
LOCATION TO LOCATION	STATUS	SIZE (DIA.) (IN)	NUMBER OF CONDUITS	QUANTITY (FT)
TC - A	EXISTING	2.4	2+2	5
A - B	EXISTING	4	1	25
A - HBX	EXISTING	2	4	55
B - C	EXISTING	*EXISTING	*EXISTING	60
B - TS1/L1	EXISTING	*EXISTING	*EXISTING	5
B - TS12	EXISTING	2.4	1,1	10
C - TS10/L5	EXISTING	*EXISTING	*EXISTING	10
C - TS11	EXISTING	4	1	10
C - D	EXISTING	*EXISTING	*EXISTING	55
D - TS9	EXISTING	4	1	15
D - TS4/L3	EXISTING	2.4	1,1	15
D - TS5	EXISTING	2.4	1,1	35
D - TS6	EXISTING	4	1	50
D - E	EXISTING	*EXISTING	*EXISTING	75
D - F	EXISTING	4	1	55
E - TS7	EXISTING	4	1	15
F - TS8/L4	EXISTING	*EXISTING	*EXISTING	5
HB-G - TS2/L2	EXISTING	*EXISTING	*EXISTING	5
H - HB-G	EXISTING	*EXISTING	*EXISTING	25
H - TS3	EXISTING	2.4	1,1	10

EXISTING CONDUIT SIZE AND TYPE ARE NOT AVAILABLE FOR THESE CONNECTIONS.

STATION SCHEDULE		
STATION	STATUS	DESCRIPTION
TC	EXISTING	TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH MODEL 336 CABINET
A	EXISTING	PEPCO MANHOLE
B	EXISTING	PEPCO MANHOLE
C	EXISTING	PEPCO MANHOLE
D	EXISTING	PEPCO MANHOLE
E	EXISTING	PEPCO MANHOLE
F	EXISTING	PEPCO MANHOLE
HB-G	EXISTING	DDOT HANDBOX
H	EXISTING	PEPCO MANHOLE
TS1/L1	EXISTING	28.5' STEEL PENDANT POST STREETLIGHT POLE WITH LUMINAIRE, TRANSFORMER BASE AND 8 FOOT MAST ARM.
TS2/L2	EXISTING	28.5' STEEL PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND TRANSFORMER BASE
TS3	EXISTING	20 FT. TRAFFIC SIGNAL POLE WITH A TRANSFORMER BASE
TS4/L3	EXISTING	28.5' STEEL PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND TRANSFORMER BASE
TS5	EXISTING	20 FT. TRAFFIC SIGNAL POLE WITH A TRANSFORMER BASE
TS6	EXISTING	20 FT. TRAFFIC SIGNAL POLE WITH A TRANSFORMER BASE
TS7	EXISTING	20 FT. TRAFFIC SIGNAL POLE WITH A TRANSFORMER BASE
TS8/L4	EXISTING	28.5' STEEL PENDANT POST STREETLIGHT POLE WITH LUMINAIRE, TRANSFORMER BASE AND 8 FOOT MAST ARM.
TS9	EXISTING	20 FT. TRAFFIC SIGNAL POLE WITH A TRANSFORMER BASE
TS10/L5	EXISTING	28.5' STEEL PENDANT POST STREETLIGHT POLE WITH LUMINAIRE, TRANSFORMER BASE AND 8 FOOT MAST ARM.
TS11	EXISTING	20 FT. TRAFFIC SIGNAL POLE WITH A TRANSFORMER BASE
TS12	EXISTING	20 FT. TRAFFIC SIGNAL POLE WITH A TRANSFORMER BASE



APPROVED BY _____ DATE _____

SG - 3

SEQUENCE OF OPERATION DRAWING NO. TS 1603-D

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

13TH STREET, EAST CAPITOL STREET, AND
NORTH CAROLINA AVE., NE.
TRAFFIC SIGNAL MODIFICATION
CABLE ROUTING SCHEMATIC

SUBMITTED:	TRAFFIC SIGNAL PROJECT ENGINEER	DATE	DATE
RECOMMENDED:	TRAFFIC SIGNAL DESIGN PROJECT MANAGER	DATE	SCALE
ITS /	TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER	DATE	SHEET 2 OF 3
APPROVED:	TRAFFIC SIGNAL PROGRAM MANAGER	DATE	DRAWING NO. S-2126-C

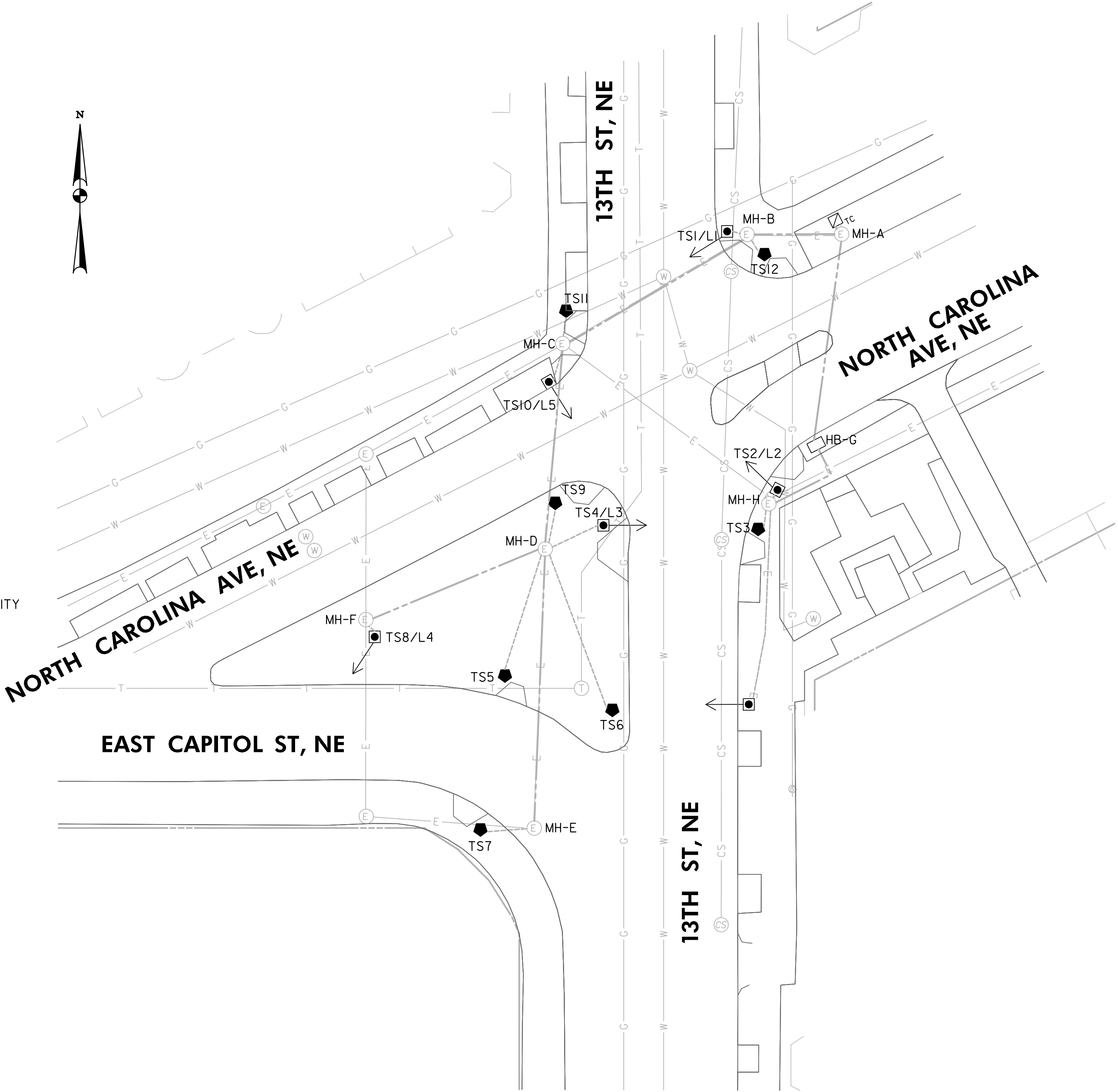
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Friday, October 07, 2022 AT 01:50 PM

DESCRIPTION	REVISION						
	DATE	COR.	CHK.	APP.	APP.	APP.	APP.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	28	32

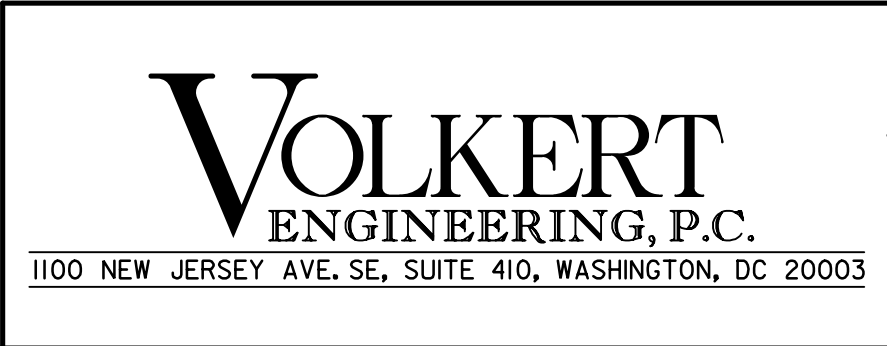
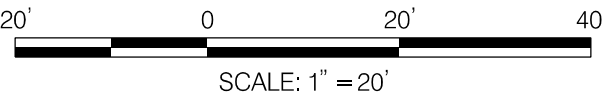
GENERAL NOTES:

- THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA AND/OR RECORD DRAWINGS. THE LOCATION OF UTILITIES SHOWN IS APPROXIMATE AND THE INFORMATION SHOWN IS NOT NECESSARILY COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UTILITIES WELL IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES. IN AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES. IF A UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER OF SAID UTILITY. ANY DAMAGE SUSTAINED TO UTILITIES ABOVE OR BELOW THE GROUND SHALL BE REPAIRED BY OR UNDER THE DIRECTION OF THE OWNER AT CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.
- THE CONTRACTOR SHALL EXCAVATE AND LOCATE VERTICALLY AND HORIZONTALLY ALL UTILITIES IN CLOSE PROXIMITY TO THE PROPOSED TRAFFIC SIGNAL WORK AREA AS NECESSARY FOR CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM 2 FOOT HORIZONTAL CLEARANCE TO ALL UTILITIES DURING CONSTRUCTION.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS.
- THE UTILITY COMPANY WILL REQUIRE A CONNECTION CHARGE FOR EACH TRAFFIC SIGNAL CONNECTION. THE COST FOR THIS CHARGE IS THE RESPONSIBILITY OF THE PERMITTEE OR HIS CONTRACTOR.



LEGEND:

- TC EXISTING TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND EXTERNAL UPS SYSTEM
- EXISTING 28.5-FOOT PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND A TRANSFORMER BASE
- EXISTING 20-FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
- EXISTING 3'X3'X3' ELECTRICAL MANHOLE
- EXISTING 4'X4'X4' ELECTRICAL MANHOLE
- EXISTING LOCATION FOR PEPCO POWER CONNECTION
- EXISTING STORMDRAIN MANHOLE
- EXISTING COMBINED SANITARY MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING DDOT MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING WATER MANHOLE
- EXISTING TELEPHONE MANHOLE
- EXISTING WATER METER
- EXISTING GAS VALVE
- EXISTING FIRE HYDRANT
- EXISTING SINGLE CATCH BASIN
- EXISTING TREE
- EXISTING TREE BOX
- EXISTING WHEELCHAIR RAMP
- EXISTING SIGN
- EXISTING 1-2" PVC CONDUIT
- EXISTING 1-2" & 1-4" PVC CONDUIT
- EXISTING 1-2" & 2-4" PVC CONDUIT
- EXISTING 4-4" PVC CONDUIT
- EXISTING 4-4" & 1-2" PVC CONDUIT
- RIGHT OF WAY LINE
- EXISTING STORM DRAIN LINE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER UTILITY LINE
- EXISTING ELECTRICAL UTILITY LINE
- EXISTING GAS UTILITY LINE



APPROVED BY _____ DATE _____

SG - 4

SEQUENCE OF OPERATION DRAWING NO. TS 1603-D

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

13TH STREET, EAST CAPITOL STREET, AND
NORTH CAROLINA AVENUE, N.E.
TRAFFIC SIGNAL MODIFICATION
UTILITY PLAN

SUBMITTED: _____ DATE _____
TRAFFIC SIGNAL PROJECT ENGINEER

RECOMMENDED: _____ DATE _____
TRAFFIC SIGNAL DESIGN PROJECT MANAGER

ITS / _____ DATE _____
TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER

APPROVED: _____ DATE _____
TRAFFIC SIGNAL PROGRAM MANAGER

ACISA
4228

UTILITY

FIELD CHECKED BY
PK

DESIGNED BY
JS

DRAWN BY
MA

REVIEWED BY
HT

DATE
10/22

SCALE
1" = 20'

SHEET
3 OF
3

DRAWING NO.
S-2126-C

- A. REMOVE EXISTING TRAFFIC SIGNAL POLE (ANY TYPE).
- B. REMOVE EXISTING TRAFFIC SIGNAL HEAD(S).
- C. REMOVE EXISTING TRAFFIC SIGN(S).
- D. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD(S).
- E. REMOVE EXISTING APS PUSH BUTTON(S).
- F. REMOVE EXISTING 8-FOOT MAST ARM WITH CAP AND CLAMP.



SEQUENCE OF OPERATION DRAWING NO. TS 331-D		ACISA 3109
DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION TRAFFIC ENGINEERING AND SIGNALS DIVISION		STAGE 1
14TH STREET, NORTH CAROLINA AVENUE AND CONSTITUTION AVENUE, NE. TRAFFIC SIGNAL MODIFICATION		FIELD CHECKED BY PK
		DESIGNED BY JS
		DRAWN BY MA
SUBMITTED BY	TRAFFIC SIGNAL PROJECT ENGINEER	REVIEWED BY HT
	DATE	DATE 10/22
RECOMMENDED	TRAFFIC SIGNAL DESIGN PROJECT MANAGER	SCALE 1" = 20'
	DATE	
ITS /	TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER	SHEET / OF 1 / 1
	DATE	
APPROVED	TRAFFIC SIGNAL PROGRAM MANAGER	DRAWING NO. S-848-B
	DATE	

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Friday, October 07, 2022 AT 01:51 PM

REVISION							
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.

GENERAL NOTES:

- A. ALL WORK RELATING TO THE INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH APPROPRIATE PROVISIONS OF THE LATEST VERSIONS OF DDOT STANDARD DRAWINGS, STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS.
- B. THE CONTRACTOR SHALL SUBMIT TO DDOT CATALOG CUTS OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED AND INSTALLED. WRITTEN APPROVAL FROM DDOT SHALL BE SECURED PRIOR TO PROCUREMENT.
- C. THE LOCATION OF PROPOSED EQUIPMENT SHOWN IS APPROXIMATE. THE LOCATION OF ALL PROPOSED EQUIPMENT AND MATERIALS SHALL BE FIELD LOCATED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- D. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS, MANHOLES, POLE FOUNDATIONS, AND CONTROLLER CABINET FOUNDATION.
- E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC AND PEDESTRIAN SIGNAL HEADS, TRAFFIC SIGNAL POLES, TRANSFORMER BASES, APS UNITS, TRAFFIC SIGNAL CONTROLLER, CABINET, AND ALL MOUNTING HARDWARE.
- F. THE CONTRACTOR SHALL REMOVE ALL EXISTING TRAFFIC SIGNAL POLES, CONTROLLER AND HARDWARE MOUNTED ON TEMPORARY, PORTABLE, CONCRETE BASES, AS WELL AS THE EXISTING PEDESTAL POLE (IF ANY) AND THE PEDESTRIAN PUSH BUTTON AND APS UNIT MOUNTED ON IT.
- G. THE CONTRACTOR SHALL REMOVE ALL EXISTING TEMPORARY, PORTABLE, CONCRETE BASES.
- H. THE CONTRACTOR SHALL RETURN ALL REMOVED TRAFFIC SIGNAL EQUIPMENT TO DDOT TRAFFIC SIGNAL SHOP, CONTACT MR. RANDOLPH COPPER 72 HOURS IN ADVANCE AT (202) 905-6059 TO ARRANGE SERVICE.
- I. NO ABOVE GROUND HARDWARE OR EQUIPMENT SHALL BE LOCATED SUCH THAT A 4 FEET CLEAR PATH IS NOT AVAILABLE FOR ADA PURPOSES.
- J. A NEW PEPCO ELECTRICAL SERVICE IS REQUIRED. THE CONTRACTOR SHALL COORDINATE SERVICE INSTALLATION AND PAYMENT WITH PEPCO IN ACCORDANCE WITH CONTRACT SPECIAL PROVISIONS.

MAST ARM NOTES:

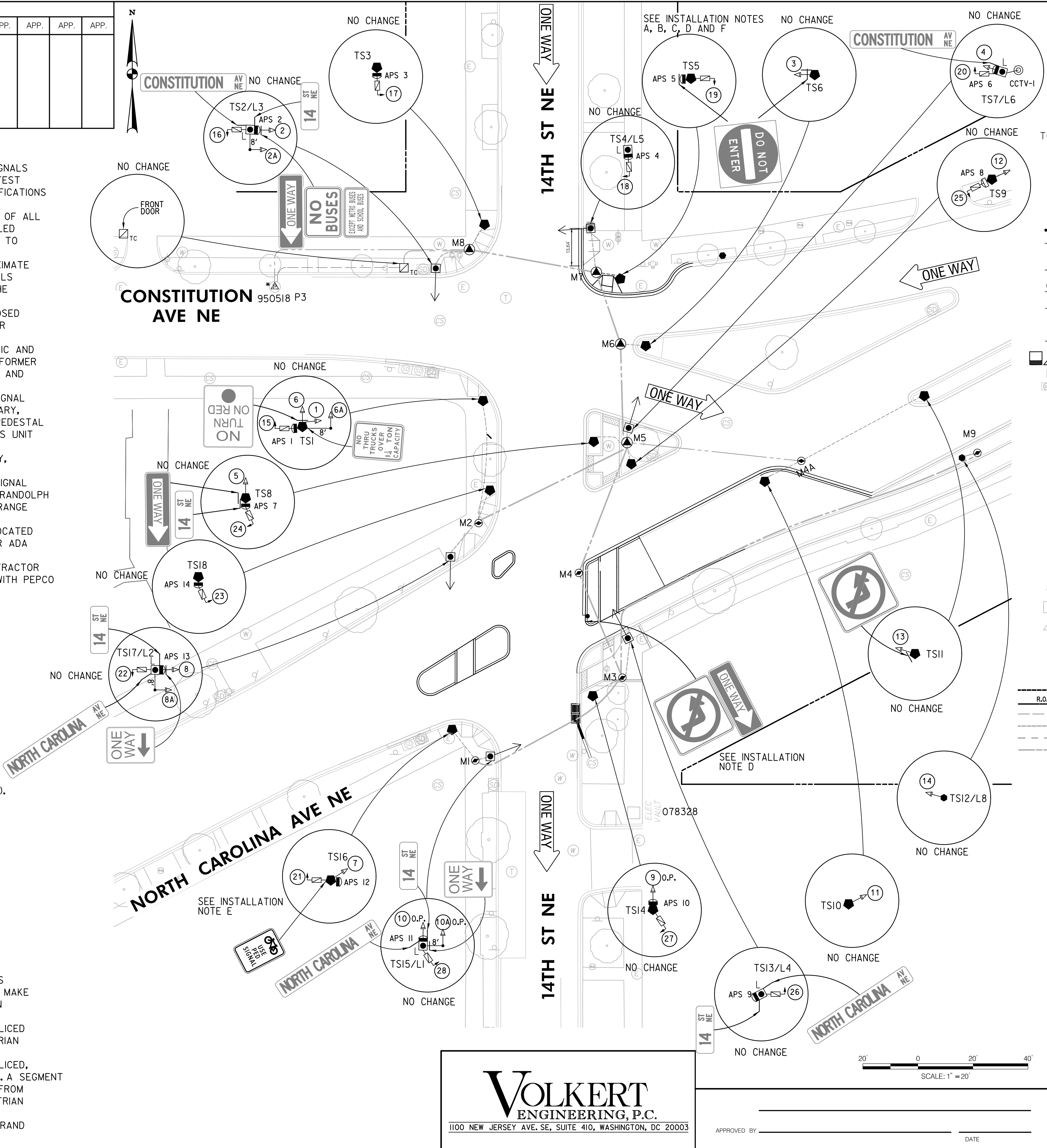
- A. A BACK PLATE SHALL BE AFFIXED TO EACH MAST ARM MOUNTED SIGNAL HEAD.
- B. THE BOTTOM OF MAST ARM MOUNTED SIGNAL HEADS SHALL BE 16 FEET ABOVE THE ROADWAY SURFACE.
- C. AN ASTRO-BRAC OR APPROVED EQUIVALENT SHALL BE USED TO MOUNT SIGNAL HEADS TO MAST ARMS (SIGNAL HEADS 2A, 4A, 6A, 8A, 10A AND 12A).

INSTALLATION NOTES:

- A. INSTALL RELOCATED EXISTING 20 FOOT TRAFFIC SIGNAL POLE WITH A TRANSFORMER BASE.
- B. INSTALL RELOCATED EXISTING LED PEDESTRIAN SIGNAL HEAD(S).
- C. INSTALL RELOCATED EXISTING ACCESSIBLE PEDESTRIAN SIGNAL (APS) SYSTEM.
- D. INSTALL RELOCATED EXISTING TRAFFIC SIGN(S).
- E. INSTALL PROPOSED TRAFFIC SIGN(S).
- F. INSTALL PROPOSED 15 IN. BOLT CIRCLE CONCRETE FOUNDATION BASE PER DDOT STANDARD DRAWING 614.07 (TYPICAL GROUND MOUNTED PENDANT POLE).

CABLE NOTES:

- A. DDOT PERSONNEL WILL MAKE ALL ELECTRICAL CONNECTIONS INSIDE THE CONTROLLER CABINET. THE CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS IN TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
- B. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED 7C 14AWG STRANDED CABLE TO ALL TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
- C. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW, UNSPLICED, SHIELDED 4C 18AWG STRANDED CABLES TO ALL APS UNITS. A SEGMENT OF 4C 18AWG SHIELDED, STRANDED CABLE SHALL EXTEND FROM EACH POLE MOUNTED APS UNIT TO THE 2-SECTION PEDESTRIAN SIGNAL HEAD MOUNTED ON THE SAME POLE.
- D. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW 12 STRAND FIBER OPTIC COMMUNICATION CABLES.



LEGEND:

- TC ☒ EXISTING TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND EXTERNAL UPS SYSTEM
- ☒ L EXISTING 28.5-FOOT PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND A TRANSFORMER BASE
- ☒ EXISTING 20-FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
- ☒ EXISTING TWIN 20 STREETLIGHT POLE
- ☒ EXISTING 8-FOOT MAST ARM WITH CAP AND CLAMP
- ☒ EXISTING LUMINAIRE AND SUPPORT ARM INDICATES DIRECTION OF LIGHT
- ☒ EXISTING 3 SECTION TRAFFIC SIGNAL HEAD (ALL LENSES 12")
- ☒ EXISTING 3 SECTION OPTICAL PROGRAMMABLE TRAFFIC SIGNAL HEAD (ALL LENSES 12")
- ☒ EXISTING 2 SECTION PEDESTRIAN SIGNAL HEAD (ALL LENSES 12")
- ☒ EXISTING ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTON
- ☒ EXISTING CCTV CAMERA
- ☒ PROPOSED WHEELCHAIR RAMP
- ☒ EXISTING DOUBLE CATCH BASIN
- ☒ EXISTING TRIPLE CATCH BASIN
- ☒ EXISTING 3'X3'X3' ELECTRICAL MANHOLE
- ☒ EXISTING 4'X4'X4' ELECTRICAL MANHOLE
- ☒ EXISTING LOCATION FOR PEPCO POWER CONNECTION
- ☒ EXISTING STORMDRAIN MANHOLE
- ☒ EXISTING COMBINED SANITARY MANHOLE
- ☒ EXISTING SANITARY SEWER MANHOLE
- ☒ EXISTING DDOT MANHOLE
- ☒ EXISTING ELECTRICAL MANHOLE
- ☒ EXISTING WATER MANHOLE
- ☒ EXISTING TELEPHONE MANHOLE
- ☒ EXISTING WATER METER
- ☒ EXISTING GAS VALVE
- ☒ EXISTING FIRE HYDRANT
- ☒ EXISTING SINGLE CATCH BASIN
- ☒ EXISTING TREE
- ☒ EXISTING TREE BOX
- ☒ EXISTING WHEELCHAIR RAMP
- ☒ EXISTING SIGN
- ☒ PROPOSED SIGN
- ☒ PROPOSED FLEXIBLE CHANNELIZER POST
- ☒ PROPOSED 1-2" & 1-4" PVC CONDUIT
- ☒ RIGHT OF WAY LINE
- ☒ EXISTING 1-2" PVC CONDUIT
- ☒ EXISTING 1-2" & 1-4" PVC CONDUIT
- ☒ EXISTING 1-2" & 2-4" PVC CONDUIT
- ☒ EXISTING 4-4" PVC CONDUIT

SG - 6

SEQUENCE OF OPERATION DRAWING NO. TS 331-E

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

14TH STREET, NORTH CAROLINA AVENUE
AND CONSTITUTION AVENUE, NE.
TRAFFIC SIGNAL MODIFICATION

SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER DATE

RECOMMENDED: TRAFFIC SIGNAL DESIGN PROJECT MANAGER DATE

ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER DATE

APPROVED: TRAFFIC SIGNAL PROGRAM MANAGER DATE

ACISA
3109

FINAL

FIELD CHECKED BY
PK

DESIGNED BY
JS

DRAWN BY
MA

REVIEWED BY
HT

DATE
10/22

SCALE
1" = 20'

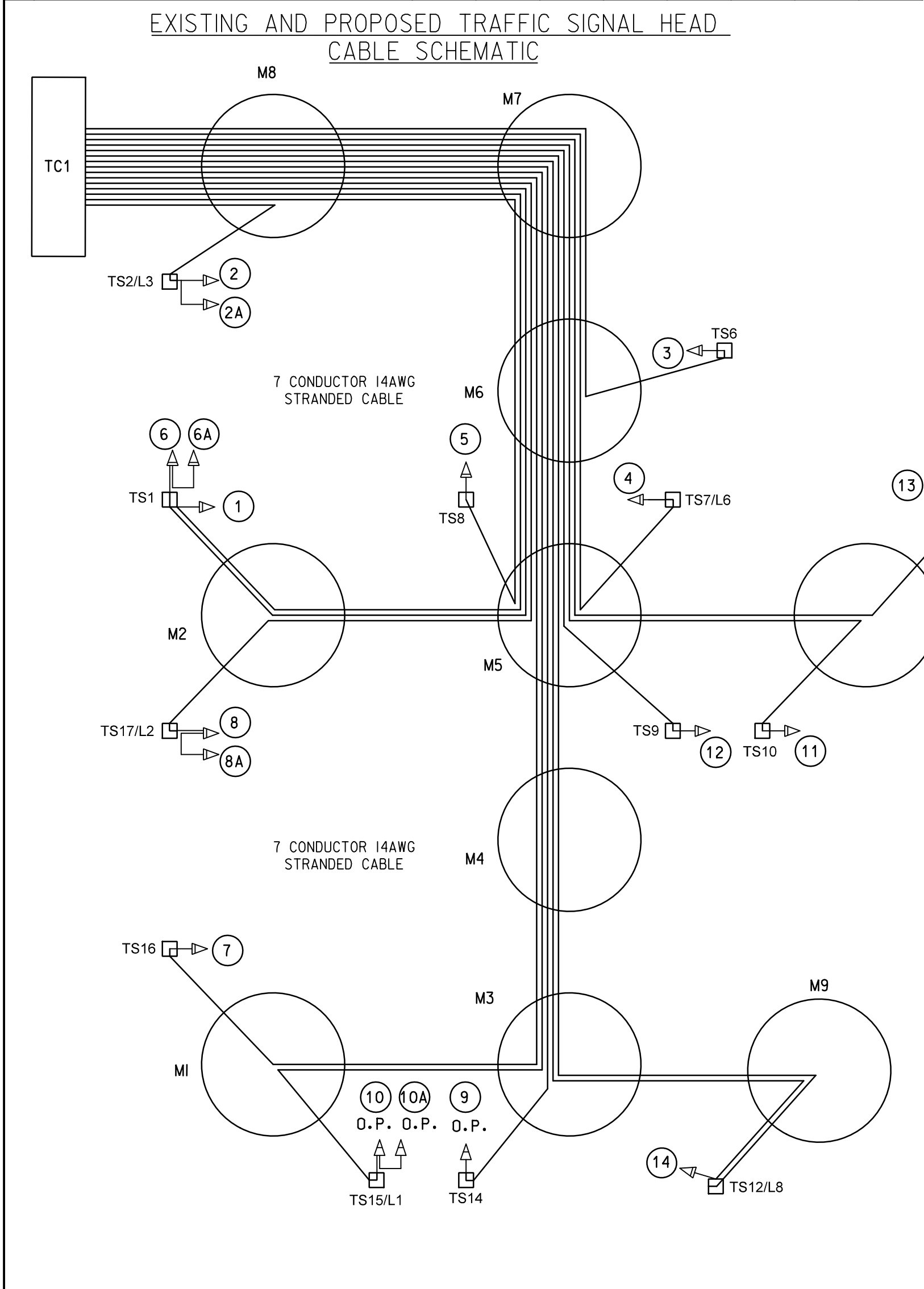
SHEET
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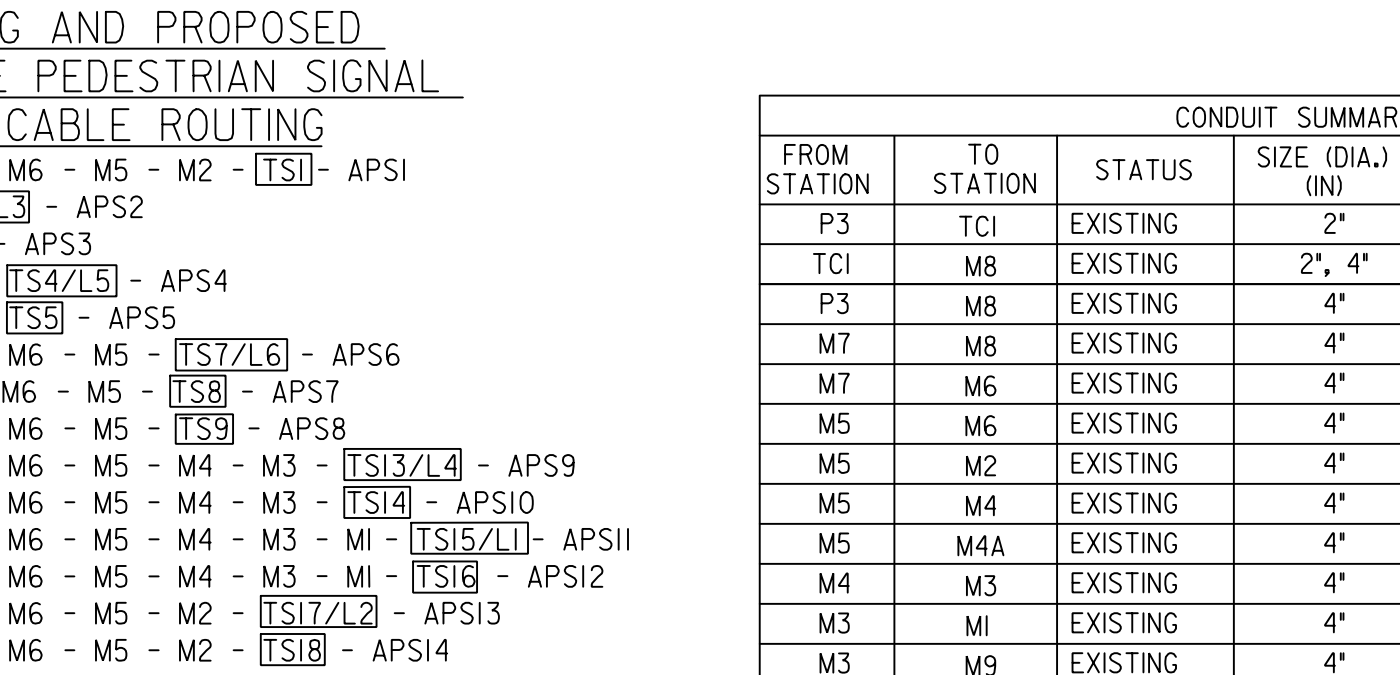
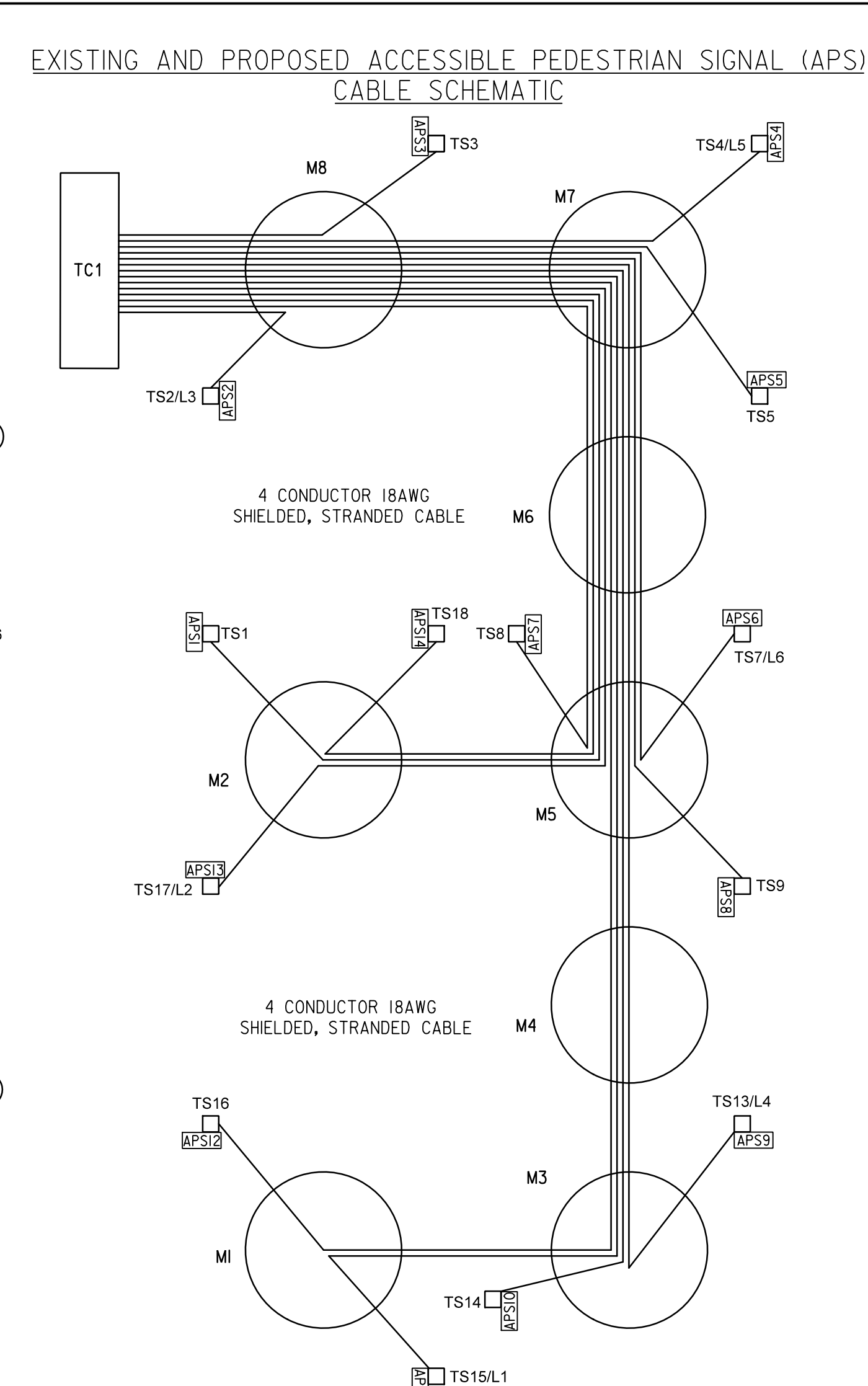
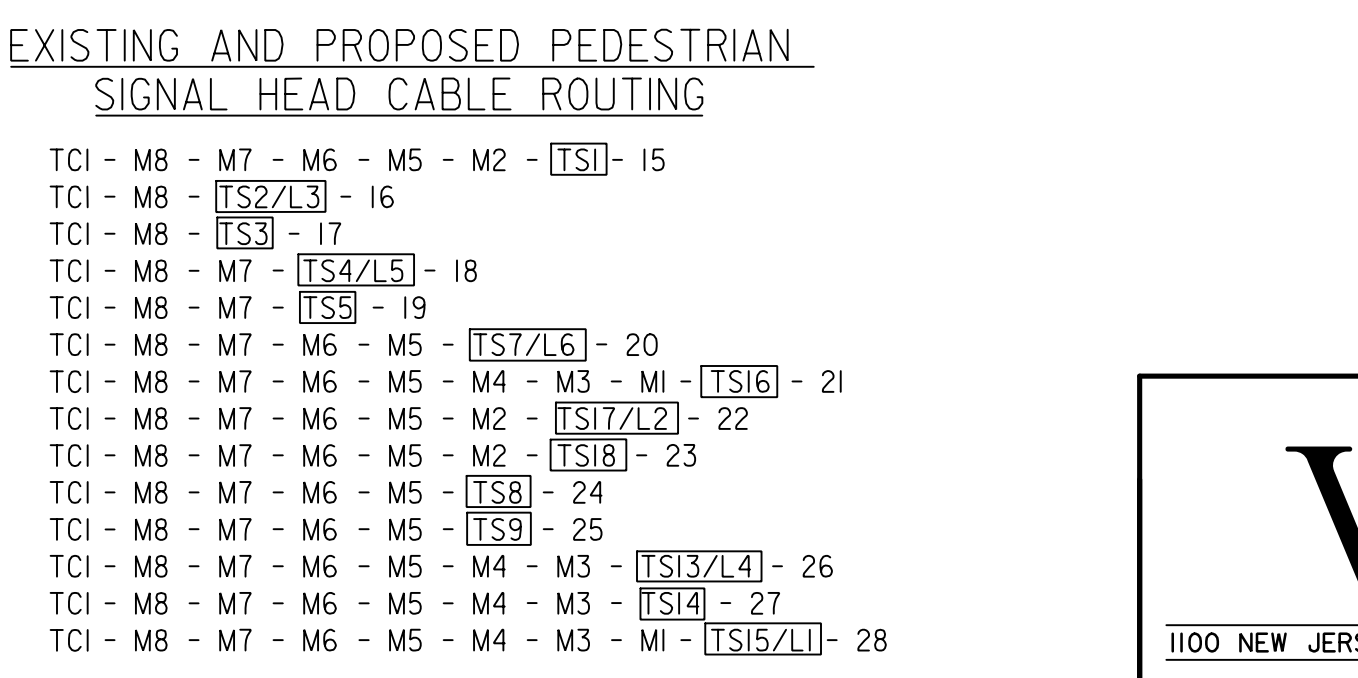
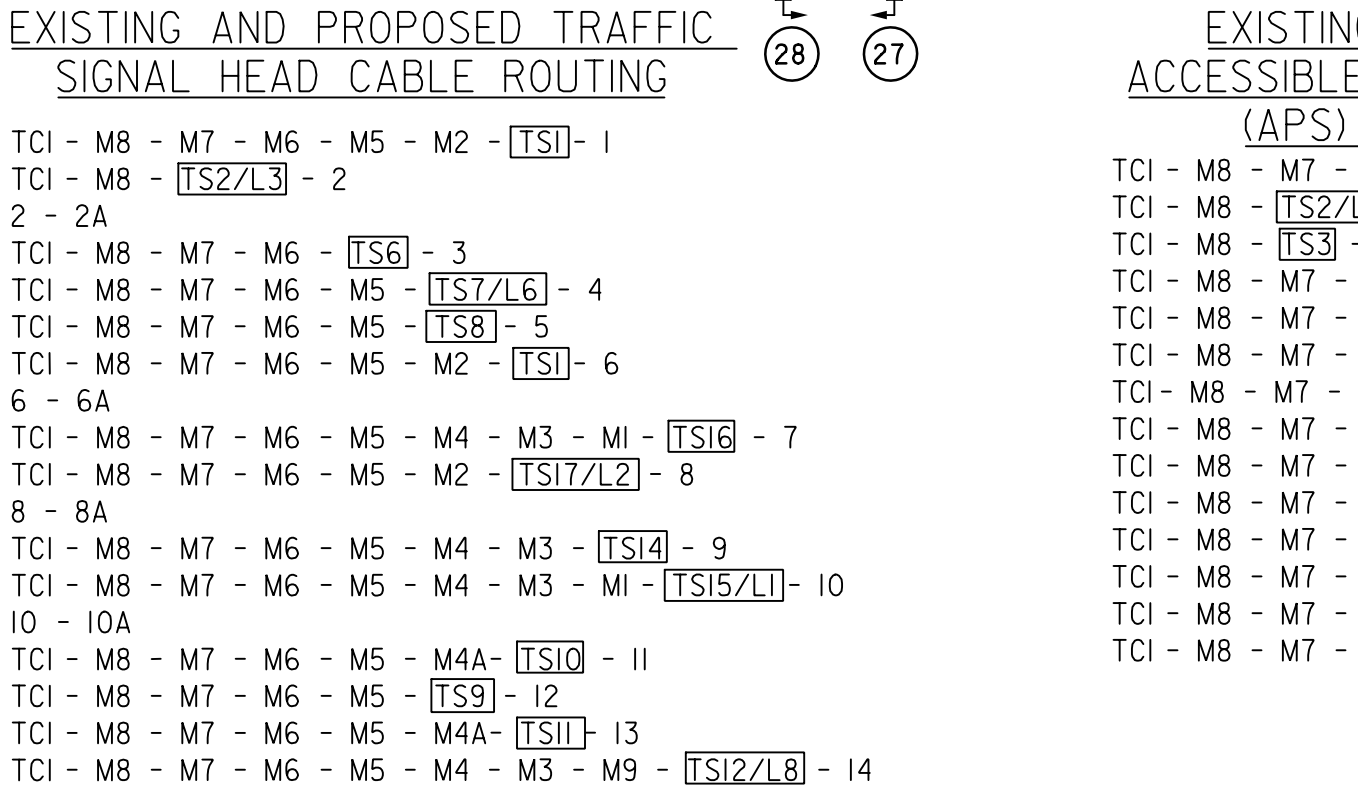
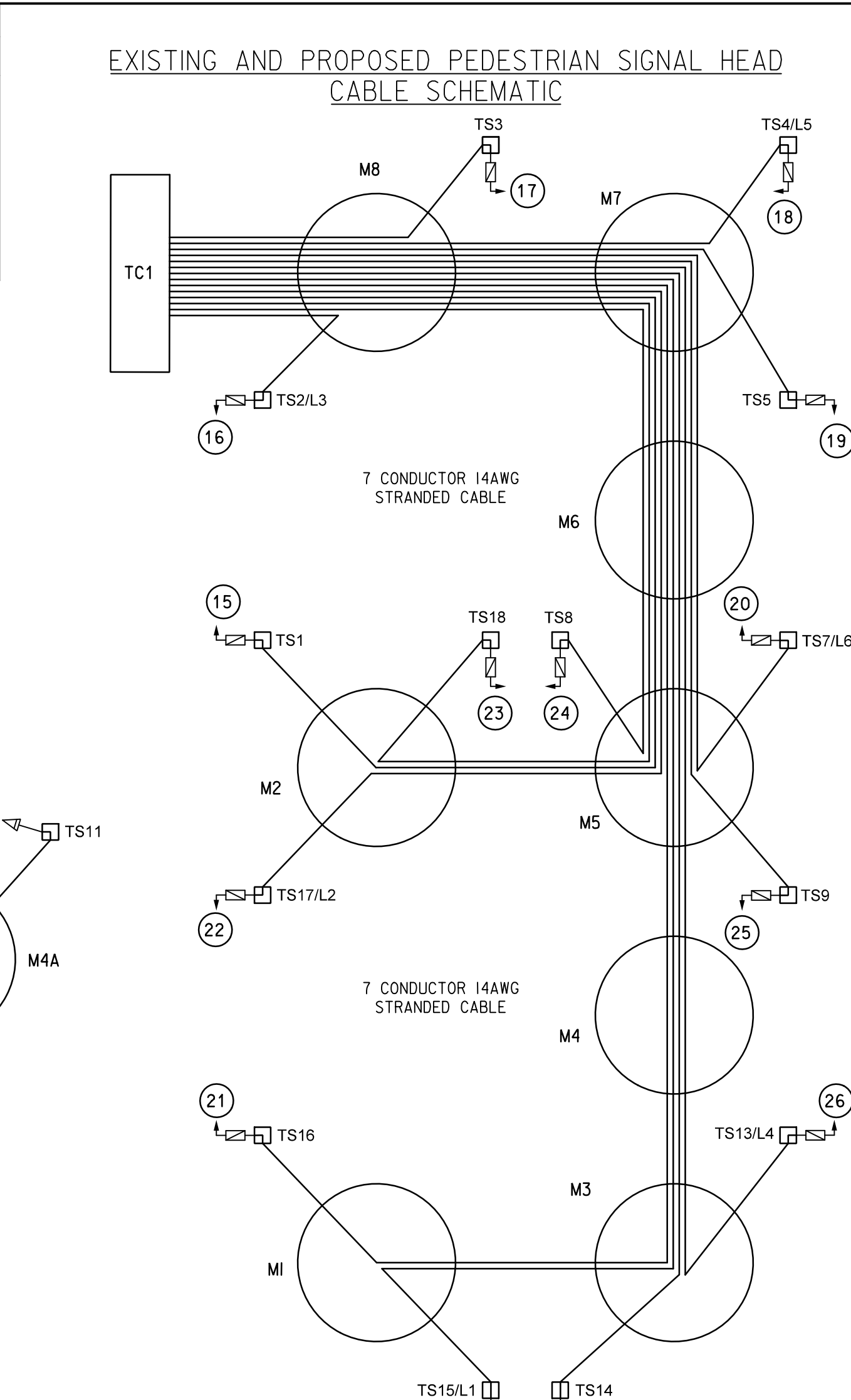
DRAWING NO.
S-848-C

T:\344200 - 2013 DDOT Master Contract\344229 - C Street NE Redesign\07 Design\DCM Sheets\Signals\SG-P00T_NorthCarolinaAve_NE_NC and 14th cable_plan.dgn
Friday, October 07, 2022 AT 01:51 PM

REVISION							
DESCRIPTION	DATE	COR.	CHK.	APP.	APP.	APP.	APP.



STATION SCHEDULE		
STATION	STATUS	DESCRIPTION
TC1	PROPOSED	TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND EXTERNAL UPS SYSTEM
P3	EXISTING	PEPCO ELECTRIC MANHOLE
M1	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
M2	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
M3	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
M4	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
M4A	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (3'x3'x3')
M5	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (4'x4'x4')
M6	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (4'x4'x4')
M7	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (4'x4'x4')
M8	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (4'x4'x4')
M9	EXISTING	DDOT TRAFFIC SIGNAL MANHOLE (4'x4'x4')
TS1	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS2	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS3	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS4	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS5	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS6	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS7/L6	EXISTING	28.5 FOOT STREET LIGHT POLE WITH TRANSFORMER BASE AND LUMINAIRE
TS8	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS9	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS10	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS11	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS12/L8	EXISTING	28.5 FOOT STREET LIGHT POLE WITH TRANSFORMER BASE AND LUMINAIRE
TS13/L4	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS14	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS15/L1	EXISTING	28.5 FOOT STREET LIGHT POLE WITH TRANSFORMER BASE AND LUMINAIRE
TS16	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS17/L2	EXISTING	28.5 FOOT STREET LIGHT POLE WITH TRANSFORMER BASE AND LUMINAIRE
TS18	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS19	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS20	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS21	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS22	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS23	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS24	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS26	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS28	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS30	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS31	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS32	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS33	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS40	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS41	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS42	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS44	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS50	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS51	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS52	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS54	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS64	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS65	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS66	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS67	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS68	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS69	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS70	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS71	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS72	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS73	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS74	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS75	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS76	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS77	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS81	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS82	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS83	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS84	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS85	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
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TS87	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS88	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS89	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS90	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS91	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS92	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS93	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS94	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS95	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS96	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS97	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS98	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS99	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
TS100	EXISTING	20 FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE

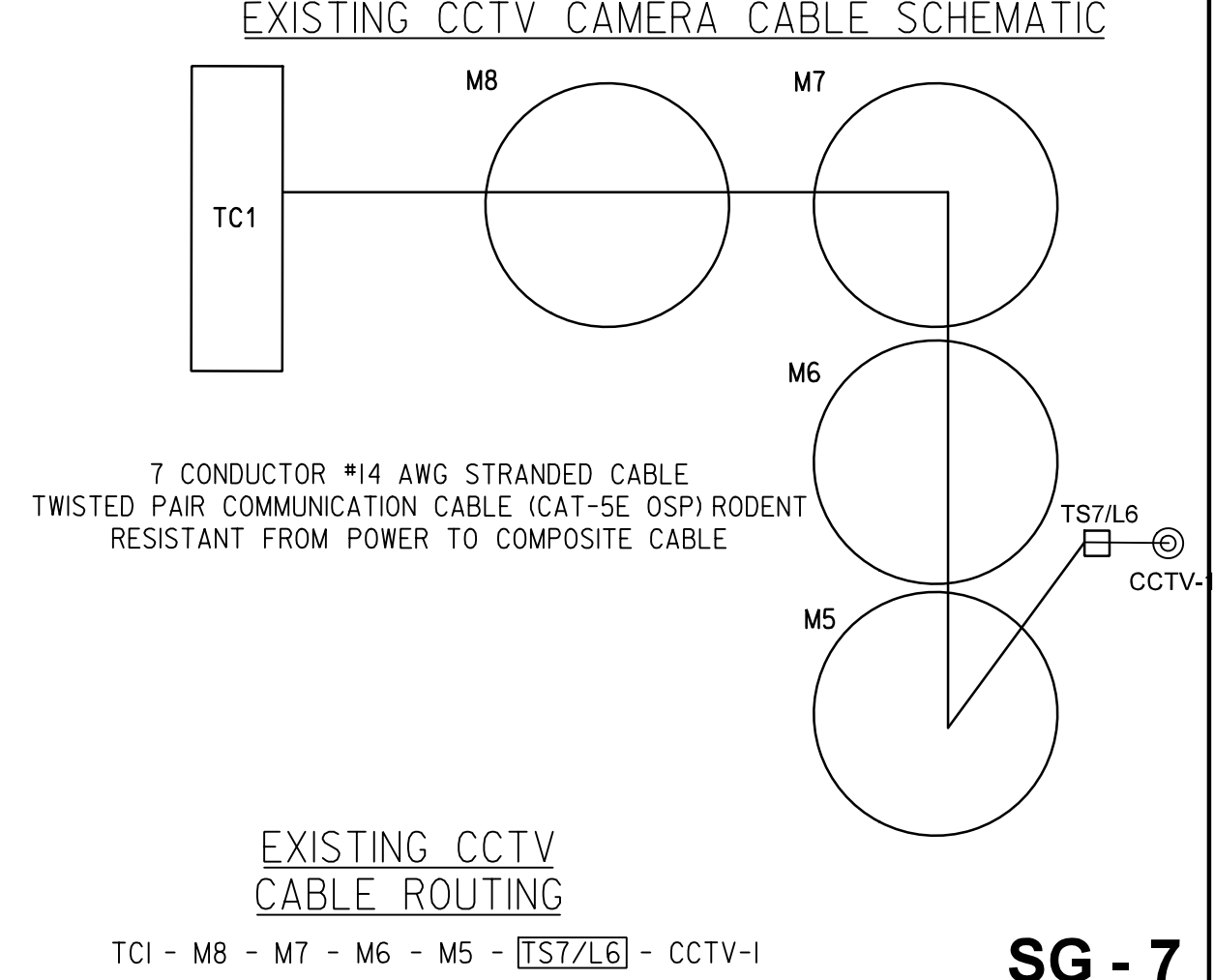
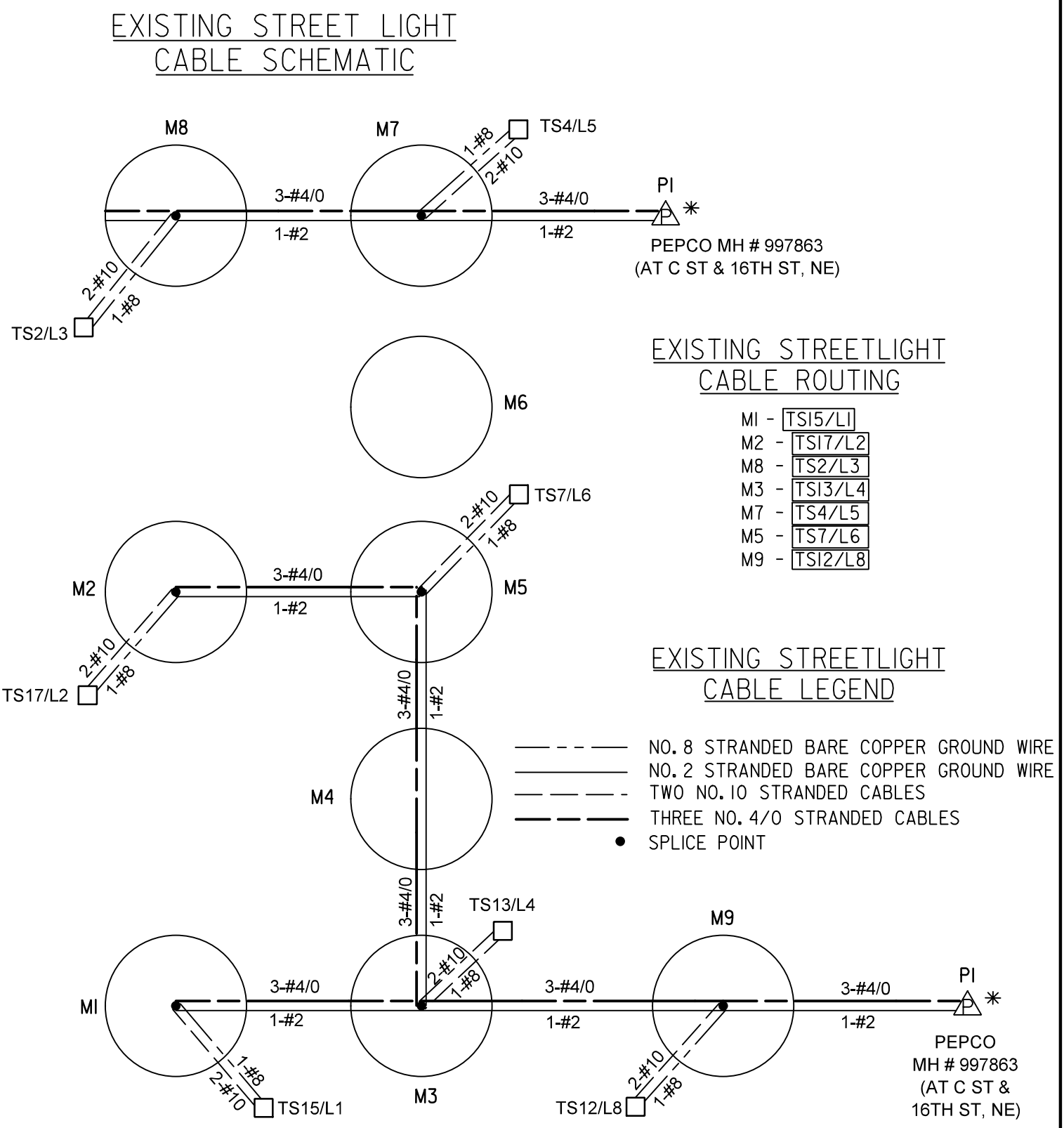


CONDUIT SUMMARY					
FROM STATION	TO STATION	STATUS	SIZE (DIA.) (IN)	NUMBER OF CONDUITS	QUANTITY (FT)
P3	TC1	EXISTING	2"	1	55
TC1	M8	EXISTING	2", 4"	1, 2	32
P3	M8	EXISTING	4"	4	86
M7	M8	EXISTING	4"	4	48
M7	M6	EXISTING	4"	4	28
M5	M6	EXISTING	4"	4	36
M5	M2	EXISTING	4"	4	62
M5	M4	EXISTING	4"	4	51
M5	M4A	EXISTING	4"	4	64
M4	M3	EXISTING	4"	4	42
M3	M1	EXISTING	4"	4	64
M3	M9	EXISTING	4"	4	168
M8	TS3	EXISTING	4", 2"	1, 1	11
M8	TS2/L3	EXISTING	4", 2"	1, 1	15
M7	TS4/L5	EXISTING	4", 2"	1, 1	16
M7	TS5	PROPOSED	4", 2"	1, 1	13
M6	TS6	EXISTING	4", 2"	1, 1	10
M5	TS7/L6	EXISTING	4", 2"	1, 1	6
M5	TS9	EXISTING	4", 2"	1, 1	9
M5	TS8	EXISTING	4", 2"	1, 1	13
M2	TS1	EXISTING	4", 2"	1, 1	46
M2	TS18	EXISTING	4", 2"	1, 1	13
M2	TS17/L2	EXISTING	4", 2"	1, 1	17
M4A	TS11	EXISTING	4", 2"	1, 1	52
M4A	TS10	EXISTING	4", 2"	1, 1	16
M3	TS13/L4	EXISTING	4", 2"	1, 1	16
M3	TS14	EXISTING	4", 2"	1, 1	13
M9	TS12/L8	EXISTING	4", 2"	1, 1	7
M1	TS15/L1	EXISTING	4", 2"	1, 1	7
M1	TS16	EXISTING	4", 2"	1, 1	15

Volkert
ENGINEERING, P.C.
1100 NEW JERSEY AVE. SE, SUITE 410, WASHINGTON, DC 20003

APPROVED BY _____ DATE _____

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	31	32



SEQUENCE OF OPERATION DRAWING NO. TS 331-E

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

14TH STREET, NORTH CAROLINA AVENUE
AND CONSTITUTION AVENUE, NE.
TRAFFIC SIGNAL MODIFICATION
CABLE ROUTING SCHEMATIC

ACISA
3109

FINAL

FIELD CHECKED BY
PK

DESIGNED BY
JS

DRAWN BY
MA

REVIEWED BY
HT

SUBMITTED: _____ DATE _____

RECOMMENDED: _____ DATE _____

ITS / _____ DATE _____

APPROVED: _____ DATE _____

SCALE
1" = 20'

SHEET 2 OF 3

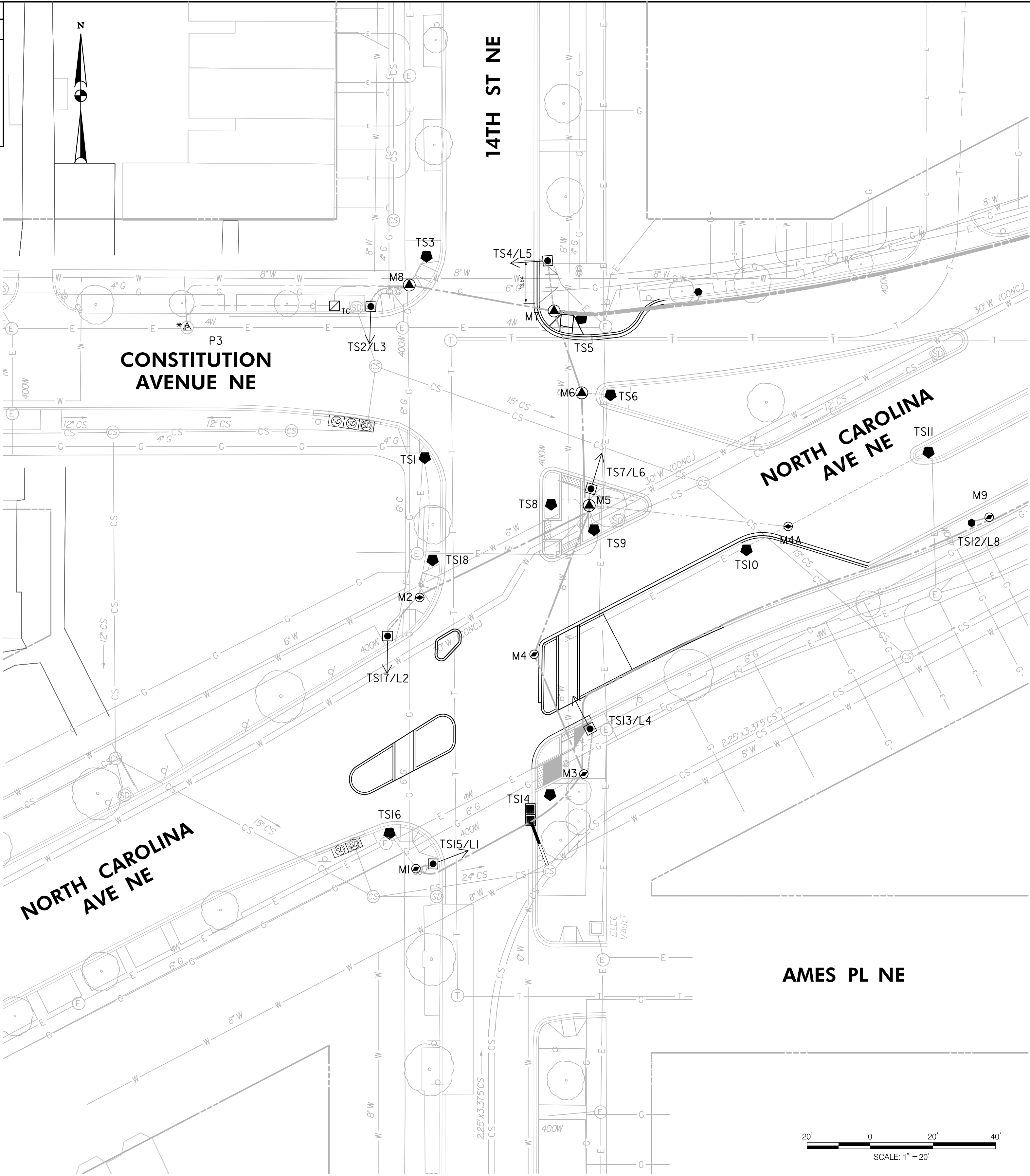
DRAWING NO.
S-848-C

T:\344200 - 2013 DDOT Master Contract\344229 - C Street NE Redesign\07 Design\00N Sheets\Signals\PSG-P008.NorthCarolinaAve_NE_NC and 14th utility-plan.dgn
Friday, October 07, 2022 AT 04:52 PM

DESCRIPTION	REVISION						
	DATE	COR.	CHK.	APP.	APP.	APP.	APP.

GENERAL NOTES:

1. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA AND/OR RECORD DRAWINGS. THE LOCATION OF UTILITIES SHOWN IS APPROXIMATE AND THE INFORMATION SHOWN IS NOT NECESSARILY COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UTILITIES WELL IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES. IN AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES. IF A UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER OF SAID UTILITY. ANY DAMAGE SUSTAINED TO UTILITIES ABOVE OR BELOW THE GROUND SHALL BE REPAIRED BY OR UNDER THE DIRECTION OF THE OWNER AT CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.
2. THE CONTRACTOR SHALL EXCAVATE AND LOCATE VERTICALLY AND HORIZONTALLY ALL UTILITIES IN CLOSE PROXIMITY TO THE PROPOSED TRAFFIC SIGNAL WORK AREA AS NECESSARY FOR CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO EXCAVATING.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 2 FOOT HORIZONTAL CLEARANCE TO ALL UTILITIES DURING CONSTRUCTION.
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED CONDUITS.
6. THE UTILITY COMPANY WILL REQUIRE A CONNECTION CHARGE FOR EACH TRAFFIC SIGNAL CONNECTION. THE COST FOR THIS CHARGE IS THE RESPONSIBILITY OF THE PERMITTEE OR HIS CONTRACTOR.



REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
3	D.C.	STP - 2016 (032)	32	32

LEGEND:

- TC ☒ EXISTING TYPE 170E TRAFFIC SIGNAL CONTROLLER WITH A MODEL 336SS CABINET AND EXTERNAL UPS SYSTEM
- ☒ L EXISTING 28.5-FOOT PENDANT POST STREETLIGHT POLE WITH LUMINAIRE AND A TRANSFORMER BASE
- ☒ EXISTING 20-FOOT TRAFFIC SIGNAL POLE WITH TRANSFORMER BASE
- ☒ EXISTING TWIN 20 STREETLIGHT POLE
- ☒ EXISTING DOUBLE CATCH BASIN
- ☒ EXISTING TRIPLE CATCH BASIN
- ☒ EXISTING 3'X3'X3' ELECTRICAL MANHOLE
- ☒ EXISTING 4'X4'X4' ELECTRICAL MANHOLE
- ☒ EXISTING LOCATION FOR PEPCO POWER CONNECTION
- ☒ EXISTING STORMDRAIN MANHOLE
- ☒ EXISTING COMBINED SANITARY MANHOLE
- ☒ EXISTING SANITARY SEWER MANHOLE
- ☒ EXISTING DDOT MANHOLE
- ☒ EXISTING ELECTRICAL MANHOLE
- ☒ EXISTING WATER MANHOLE
- ☒ EXISTING TELEPHONE MANHOLE
- ☒ EXISTING WATER METER
- ☒ EXISTING GAS VALVE
- ☒ EXISTING FIRE HYDRANT
- ☒ EXISTING SINGLE CATCH BASIN
- ☒ EXISTING TREE
- ☒ EXISTING TREE BOX
- ☒ EXISTING WHEELCHAIR RAMP
- ☒ EXISTING SIGN
- EXISTING 1-2" PVC CONDUIT
- EXISTING 1-2" & 1-4" PVC CONDUIT
- EXISTING 1-2" & 2-4" PVC CONDUIT
- EXISTING 4-4" PVC CONDUIT
- EXISTING 4-4" & 1-2" PVC CONDUIT
- EXISTING STORM DRAIN LINE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER UTILITY LINE
- EXISTING ELECTRICAL UTILITY LINE
- EXISTING GAS UTILITY LINE
- PROPOSED 1-2" & 1-4" PVC CONDUIT
- R.O.W. RIGHT OF WAY LINE

SG - 8

ACISA
3109

SEQUENCE OF OPERATION DRAWING NO. TS 331-E

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING AND SIGNALS DIVISION

UTILITY

FIELD CHECKED BY
PK

DESIGNED BY
JS

DRAWN BY
MA

REVIEWED BY
HT

SUBMITTED: TRAFFIC SIGNAL PROJECT ENGINEER DATE

DATE
10/22

RECOMMENDED: TRAFFIC SIGNAL DESIGN PROJECT MANAGER DATE

SCALE
1" = 20'

ITS / TRAFFIC SIGNAL MAINTENANCE DIVISION MANAGER DATE

SHEET
3 OF
3

APPROVED: TRAFFIC SIGNAL PROGRAM MANAGER DATE

DRAWING NO.
S-848-C

VOLKERT
ENGINEERING, P.C.
1100 NEW JERSEY AVE. SE, SUITE 410, WASHINGTON, DC 20003

APPROVED BY: _____ DATE: _____