

GENERAL NOTES:

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- OVERNIGHT LANE CLOSURES: THE CONTRACTOR MAY IMPOSE LANE CLOSURES PER DDOT APPROVAL, TO BE OBTAINED IF NECESSARY.
- LANE CLOSURES OR WORK THAT IMPACTS TRAFFIC FLOW WILL NOT BE PERMITTED ON HOLIDAYS FROM NOON THE DAY BEFORE A HOLIDAY UNTIL NOON THE DAY AFTER A HOLIDAY, UNLESS APPROVED BY THE DEPARTMENT. WHEN A HOLIDAY FALLS ON A SUNDAY, THE FOLLOWING MONDAY WILL BE OBSERVED AS A HOLIDAY. WHEN A HOLIDAY FALLS ON A SATURDAY, THE PRECEDING FRIDAY WILL BE OBSERVED. IF A HOLIDAY FALLS OUTSIDE OF THESE STATEMENTS DISTRICT OF COLUMBIA WILL INFORM THE CONTRACTOR.
- THE TERM "HOLIDAY" HEREIN SHALL APPLY TO NEW YEAR'S DAY, MARTIN LUTHER KING JR'S BIRTHDAY, PRESIDENT'S DAY, EMANCIPATION DAY, MEMORIAL DAY, JUNETEENTH, LABOR DAY, INDEPENDENCE DAY, COLUMBUS DAY, VETERAN'S DAY, THANKSGIVING DAY, AND CHRISTMAS DAY. ADDITIONAL RESTRICTIONS FOR OTHER HOLIDAYS OR SPECIAL LOCAL EVENTS MAY BE NECESSARY, THESE ADJUSTMENTS WILL BE COORDINATED BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
- DAYTIME WORK HOURS AND TRUCK DELIVERY HOURS ARE 9:30AM - 3:30PM MONDAY - FRIDAY (PLEASE NOTE CONSTRUCTION WORK SHOULD NOT BE PERFORMED ON WEEKENDS OR WEEK DAYS DURING PEAK TRAFFIC VOLUMES); OVERNIGHT WORK SHALL BE LIMITED TO NON-RESIDENTIAL AREAS, CONTRACTOR SHALL LIMIT WORK IN FRONT OF SCHOOLS TO NON-SCHOOL DAYS OR WORK OUTSIDE OF DROP-OFF AND PICK-UP TIMES, DROP-OFF LANES SHALL BE MAINTAINED DROP-OFF AND PICK-UP TIMES.
- THE CONTRACTOR SHALL NOTIFY ANC, BUSINESSES, AND RESIDENTS 72HRS PRIOR TO OCCUPYING PUBLIC SPACE.
- THE CONTRACTOR SHALL COORDINATE HIS MAINTENANCE OF TRAFFIC WORK WITH OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME GENERAL LOCATION TO MAINTAIN CONTINUITY OF TRAFFIC FLOW AND MINIMIZE CONGESTION AND TO PROVIDE SAFE TRAFFIC ACTIVITY FOR VEHICLES AND PEDESTRIANS. ALLEYS SHALL REMAIN OPEN IF IT PROVIDES ACCESS FOR TRASH COLLECTION AND PUBLIC SERVICE ACTIVITIES. IF ALLEY WILL BE CLOSED FD APPROVAL MUST BE RECEIVED BY APPLICANT FROM FIRE MARSHALL BEFORE THE START OF THE ALLEY CLOSURE. DPW ALSO SHOULD BE INFORMED BY THE CONTRACTOR BEFORE START OF THE ALLEY CLOSURE.
- CONTACT DDOT PUBLIC INFORMATION OFFICE (PIO) PRIOR TO START OF PROJECT TO ADVISE BIKE COMMUNITY OF CONSTRUCTION.
- MAINTENANCE OF TRAFFIC PLANS SHALL BE IN ACCORDANCE WITH THE D.C. TEMPORARY TRAFFIC CONTROL MANUAL AND THE 2009 MUTCD.
- ALL EXISTING COMMERCIAL OR PRIVATE ENTRANCES SHALL REMAIN OPEN FOR THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THAT ALL ENTRANCE ACCESSIBILITY IS MAINTAINED DURING CONSTRUCTION.
- THIS MAINTENANCE OF TRAFFIC PLAN IS INTENDED AS A GUIDE. IT IS NOT TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH PHASE, BUT ONLY SHOW THE GENERAL HANDLING OF EXISTING TRAFFIC.
- TRAFFIC BARRIERS SHALL BE INSTALLED AND REMOVED SO AS TO NOT PRESENT ANY BLUNT END OR HAZARD TO THE MOTORING PUBLIC. THE PLACEMENT AND REMOVAL OF TRAFFIC BARRIERS ARE TO BE COORDINATED BY THE SAFETY OFFICER. WHEN TRAFFIC BARRIERS ARE INSTALLED, IMPACT ATTENUATORS SHALL BE PLACED AT THE BEGINNING OF THE TRAFFIC BARRIERS. THE PROJECT'S SAFETY OFFICER SHALL ENSURE THE TRAFFIC BARRIERS ARE INSTALLED IN ACCORDANCE WITH D.C.'S AND MANUFACTURER'S SPECIFICATIONS TO PREVENT DEFLECTION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE D.C. TEMPORARY TRAFFIC CONTROL MANUAL.
- CONTRACTOR SHALL MAINTAIN PROPER, POSITIVE DRAINAGE AT ALL TIMES DURING THE DURATION OF THE PROJECT. WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTER OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTOR SHALL PLAN OPERATIONS WITH THE ENGINEER IN THE FIELD TO USE FACILITIES PROVIDED TO PREVENT LOCAL FLOODING AND ENSURE PROPER SURFACE RUNOFF. IN THE EVENT THAT EXISTING FACILITIES CANNOT BE USED, THE CONTRACTOR SHALL INSTALL TEMPORARY FACILITIES OR TEMPORARILY ADJUST/MODIFY PORTIONS OF THE PERMANENT WORK TO MAINTAIN PROPER, POSITIVE DRAINAGE.
- BARREL SPACING SHALL BE 20' IN WORK ZONES ALONG TRANSITIONS AND CURVES, AND 40' IN WORK ZONES PARALLEL TO THE TRAVELWAY.
- TEMPORARY SIGNS SHOULD BE GROUND MOUNTED OR MOUNTED ON SOLID STRUCTURES.
- NO CONSTRUCTION WORKERS WILL BE ALLOWED TO PARK IN THE NEIGHBORHOODS.
- NO TRUCK IDLING IS ALLOWED ON DISTRICT STREETS.
- CONTRACTOR SHALL CONTACT JAMIE CEPLER, 202-962-6085, OR JCEPLER@WMATA.COM, 10 BUSINESS DAYS PRIOR TO BEGINNING WORK, SO THAT EMPLOYEES AND CUSTOMERS CAN BE NOTIFIED ABOUT BUS STOPS BEING RELOCATED/CLOSED.
- TRUCKS SHALL USE APPROVED DDOT ROUTES PER: <http://ddot.dc.gov/publication/proposed-truck-and-bus-routes-map>
- LANE CLOSURES SHALL BE LIMITED TO OFF-PEAK HOURS UNLESS OTHERWISE APPROVED BY THE DEPARTMENT.

PEDESTRIAN GENERAL NOTES:

- PRIOR TO INITIATING ANY WORK, THE CONTRACTOR SHALL PROVIDE ACCESSIBLE PEDESTRIAN PATH(S) VIA DETOURS AND/OR PROTECTIVE BARRIER IF MINIMUM WIDTH CANNOT BE MAINTAINED ON THE EXISTING SIDEWALK. PEDESTRIAN WALKWAY SHALL BE SEPARATED FROM THE WORK AREA WITH CHAIN LINK FENCE OR SIMILAR DEVICE.
- PEDESTRIAN ACCESS TO RESIDENCES MUST BE RESTORED AT THE END OF THE WORKING DAY AND PROPER NOTICE SHALL BE GIVEN TO PROPERTY OWNERS PRIOR TO CONSTRUCTION.
- MINIMUM OF 5' OF EFFECTIVE WIDTH SIDEWALK SHALL BE PROVIDED FOR PEDESTRIAN ACCESS DURING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN SAFE ACCESS FOR PEDESTRIAN CROSSING AT THE INTERSECTIONS. A MINIMUM CROSSING OF 3 LEGS AT EACH INTERSECTION SHALL BE MAINTAINED AT ALL TIMES.
- ALL TEMPORARY PEDESTRIAN PATHS SHALL MEET ADA COMPLIANCE.

PHASE 1 - DEMOLITION:

- PRIOR TO INITIATING ANY WORK, THE CONTRACTOR SHALL PROVIDE ACCESSIBLE PEDESTRIAN PATH(S) VIA DETOURS AND/OR CONSTRUCTION FENCING BETWEEN EXISTING SIDEWALKS AND WORK ZONES AT ALL TIMES.
- INSTALL ALL TRAFFIC CONTROL DEVICES INCLUDING CONSTRUCTION FENCING AND CLOSE BUCHANAN STREET BETWEEN ARKANSAS AVENUE AND 14TH STREET TO WESTBOUND TRAFFIC.
- REMOVE EXISTING TREES NECESSARY FOR CONSTRUCTION ACTIVITIES WITHIN THE WORK AREA.
- DEMOLITION OF EXISTING BUILDING WITHIN THE ESTABLISHED WORK AREA.

SUMMARY OF QUANTITIES

TRAFFIC CONTROL DEVICE	QUANTITY
TEMPORARY CONCRETE BARRIER (LF)	425
TEMPORARY WATER-FILLED BARRIER (LF)	675
CRASH CUSHION/ ATTENUATOR (EA)	5
CONSTRUCTION FENCE (LF)	2370
REFLECTIVE TRAFFIC DRUMS (EA)	20
TYPE I BARRICADE (EA)	10
TYPE III BARRICADE (EA)	3
SIGN SUPPORT (EA)	50
ERADICATE EXISTING MARKINGS (LF)	1780
4" WHITE TEMPORARY PAVEMENT MARKINGS (LF)	1250
6" WHITE TEMPORARY PAVEMENT MARKINGS (LF)	625
4" YELLOW TEMPORARY PAVEMENT MARKINGS (LF)	645
4" YELLOW TEMPORARY PAVEMENT MARKINGS 2'-4'-2' (LF)	80

SIGN DESIGNATION	SIZE		TOTAL SF
R11-2	48"x30"	2	20
W20-1	36"x36"	8	72
R9-11A	48"x24"	7	56
M4-9b(1)R	48"x24"	1	8
W11-10	36"x36"	2	18
G20-2	36"x18"	5	22.5
R9-9	30"x18"	3	11.25
R7-1MOD	12"x18"	2	3
W20-5MOD	36"x36"	1	9
R5-1	30"x30"	2	12.5
R6-2L	24"x30"	1	5
R6-1L	36"x12"	1	3
R6-1R	36"x12"	2	6
W11-2	30"x30"	2	12.5
W16-7pR	24"x12"	2	4
W20-7a	36"x36"	1	9
M4-9	36"x48"	5	60
M4-9R	36"x48"	5	60
M4-9L	36"x48"	5	60
W20-2	36"x36"	3	27
M4-8	18"x24"	2	6
TOTAL			485



CLARK CONSTRUCTION, LLC
7500 Old Georgetown Road
Bethesda, MD 20814



7125 Ambassador Road, Suite 200
Baltimore, MD 21244-2727
(410)944-9112

"PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE DISTRICT OF COLUMBIA."

LICENSE NO. _____ NO. _____

EXPIRATION DATE: ____/____/____ MM/DD/YYYY

- DC REGISTER SECTION 1516

I:\Projects\402031\04\020310_0001\90_CAD Models and Sheets\04_C_Transportation\Sheets\23-T001-TRAFFIC CONTROL_SOC - NOTES.dwg, 10/28/2021 10:41:06 AM, prangsea, Civil

		REVISIONS			
DESIGNED	E. PRANGE	DATE	NUM	DESCRIPTION	
		08/23/2021	B	UPDATE	
DRAWN	E. PRANGE	07/10/2021			
CHECKED	J. LASSITER	07/10/2021			

**UPDATE
NOT FOR CONSTRUCTION**

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF CAPITAL PROGRAM DELIVERY
ENGA - CIVIL ENGINEERING - DEMOLITION

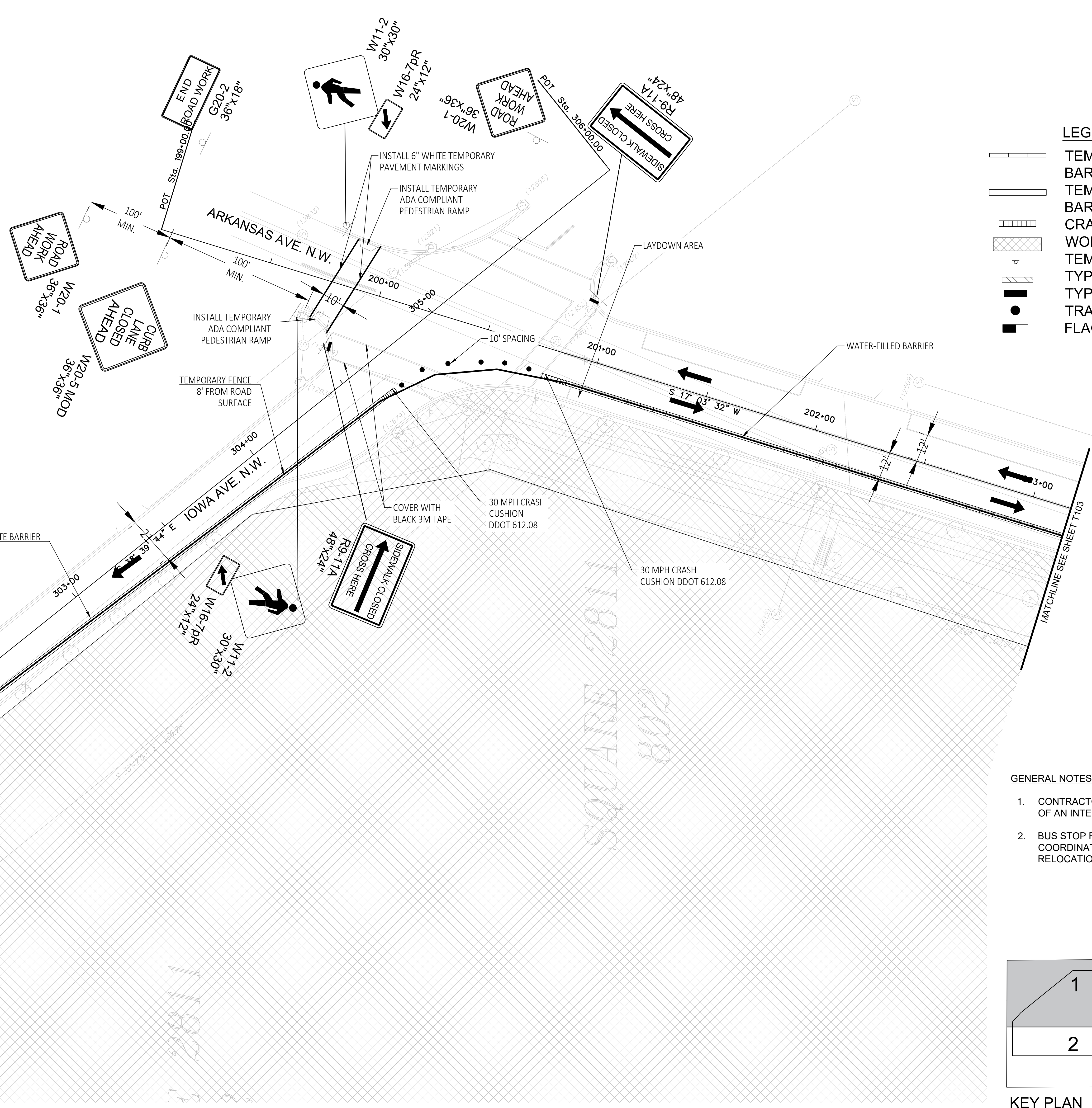
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Name: _____ DATE: _____
Job Title: _____

APPROVED: _____
Name: _____ DATE: _____
Job Title: _____

MM/DD/YYYY
DATE

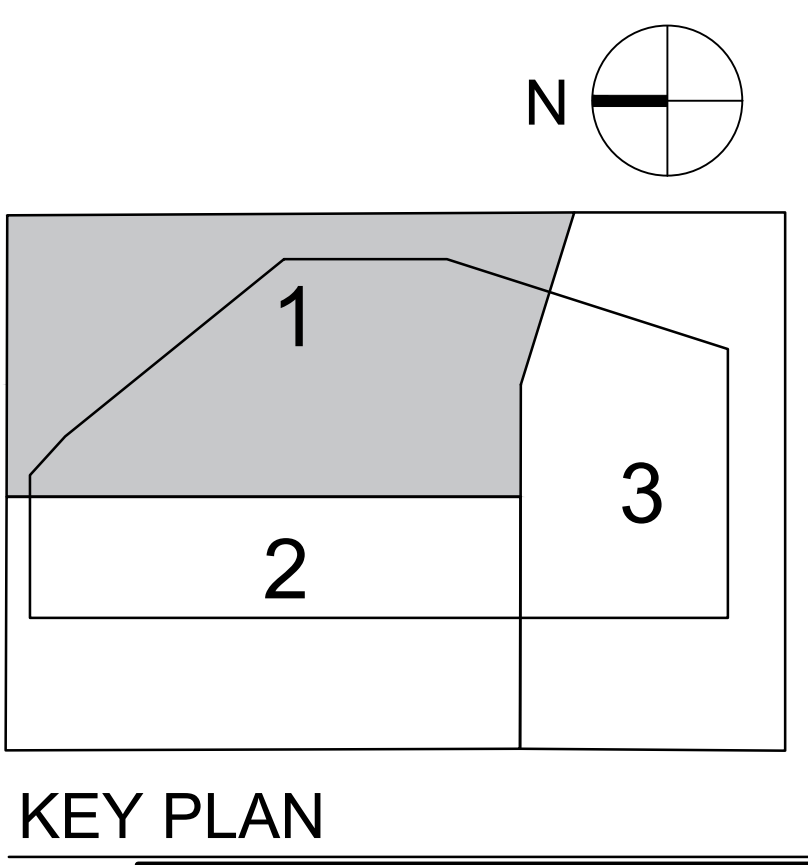
NORTHERN BUS DIVISION REPLACEMENT - 100 % DEMOLITION SUBMITTAL - UPDATE		CONTRACT NO. FQ19144N		SCALE NTS		DRAWING NO. T06-T001		SHEET NO. M1323-	
4615 14TH STREET SW, WASHINGTON DC									
TRAFFIC CONTROL PLAN - SEQUENCE OF CONSTRUCTION NOTES									

- Restrictions for TCP: # 10939955
- Please, follow all DC Standards and Guidelines.
 - Do not block Fire Hydrant, Bus Stop, parking meters, Car Share, Bike Share, Bike Lanes, follow posted parking enforcement signs and important utility structures. If bus stop and parking meters are affected by this project please, contact WMATA and parking meter officials before occupying public space.
 - Do not obstruct sidewalk. Provide 6 feet walkway adjacent to the work zone if the work takes more than days indicated.
 - Must Get A Fire Marshall Approval Before Closing Any Road Or Alley.
 - All traffic control signs must meet MUTCD standards
 - All work must be covered with steel plates at end of working day if applicable.
 - Working Hours To Be: 9:30 am to 3:30 pm in public space Mon-Fri and 24hrs on private property.
 - Must adhere to TCP presented with permit, deviation from this TCP nulls permit. Field inspector has authority to modify this TCP.
 - Expiration Date On The TCP Should Be The Same As The Expiration Date On The Permit. TCP Must Be Renewed Every 6 Months.
 - Before commencing construction must have DDOT approved construction permits, staging permit and traffic control.
 - Any person who posts an unauthorized sign or removes an authorized sign is subject to a fine of \$100 per day for each day that an unauthorized sign remains installed or removed during its authorized posting plus DDOT's costs for removing the unlawful sign or reissuing an authorized sign. (24 DDMR § 2407.17)



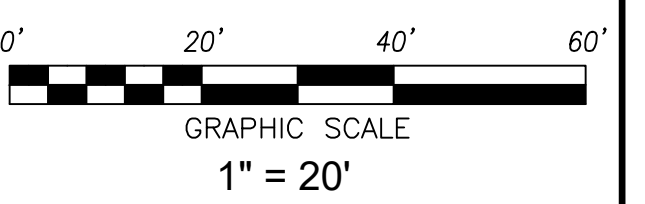
- LEGEND**
- TEMPORARY WATER-FILLED BARRIER
 - TEMPORARY CONCRETE BARRIER
 - CRASH CUSHION
 - WORK AREA
 - TEMPORARY SIGN
 - TYPE III BARRICADE
 - TYPE I BARRICADE
 - TRAFFIC DRUM
 - FLAGGER

- GENERAL NOTES:**
- CONTRACTOR IS LIMITED TO CLOSURE OF ONE CORNER OF AN INTERSECTION AT A TIME.
 - BUS STOP RELOCATIONS/CLOSURES SHALL BE COORDINATED AND APPROVED BY WMATA PRIOR TO RELOCATION/CLOSURE.



CLARK CONSTRUCTION
CLARK CONSTRUCTION, LLC
7500 Old Georgetown Road
Bethesda, MD 20814

STV 100 years
7125 Ambassador Road, Suite 200
Baltimore, MD 21244-2727
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LICENSE NO. _____ NO.
EXPIRATION DATE: ____/____/____
- DC REGISTER SECTION 1516

REVISIONS			
DATE	NUM	DESCRIPTION	
08/23/2021	B	UPDATE	

**UPDATE
NOT FOR CONSTRUCTION**

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
OFFICE OF CAPITAL PROGRAM DELIVERY
ENGA - CIVIL ENGINEERING - DEMOLITION

SUBMITTED: 08/23/2021
Name: _____ DATE: _____
Job Title: _____

APPROVED: _____
Name: _____ DATE: _____
Job Title: _____

MM/DD/YYYY
DATE

CONTRACT NO. FQ19144N		SCALE AS NOTED	DRAWING NO. T06-T101	SHEET NO. M1323-
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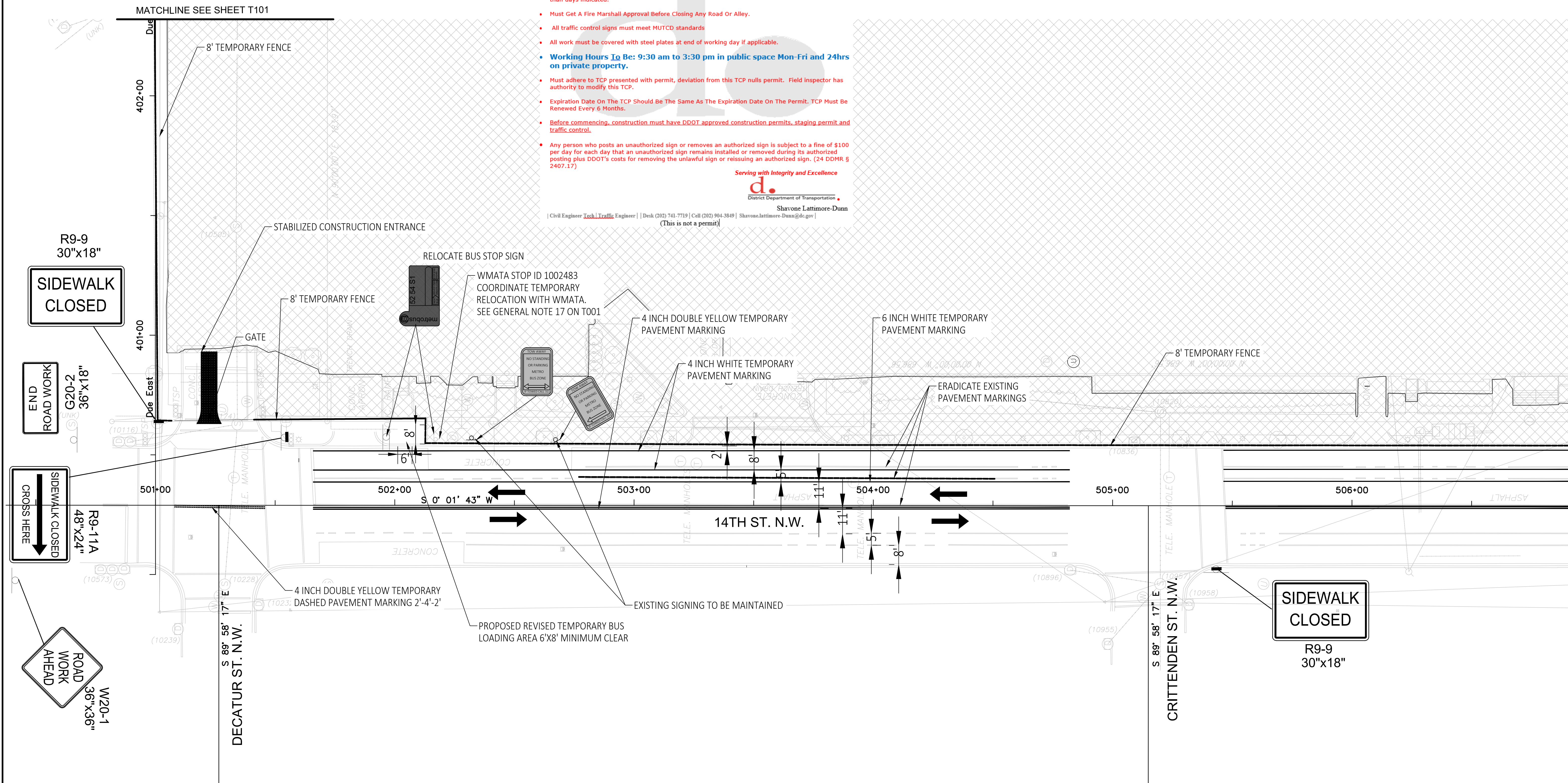
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TCP Restrictions

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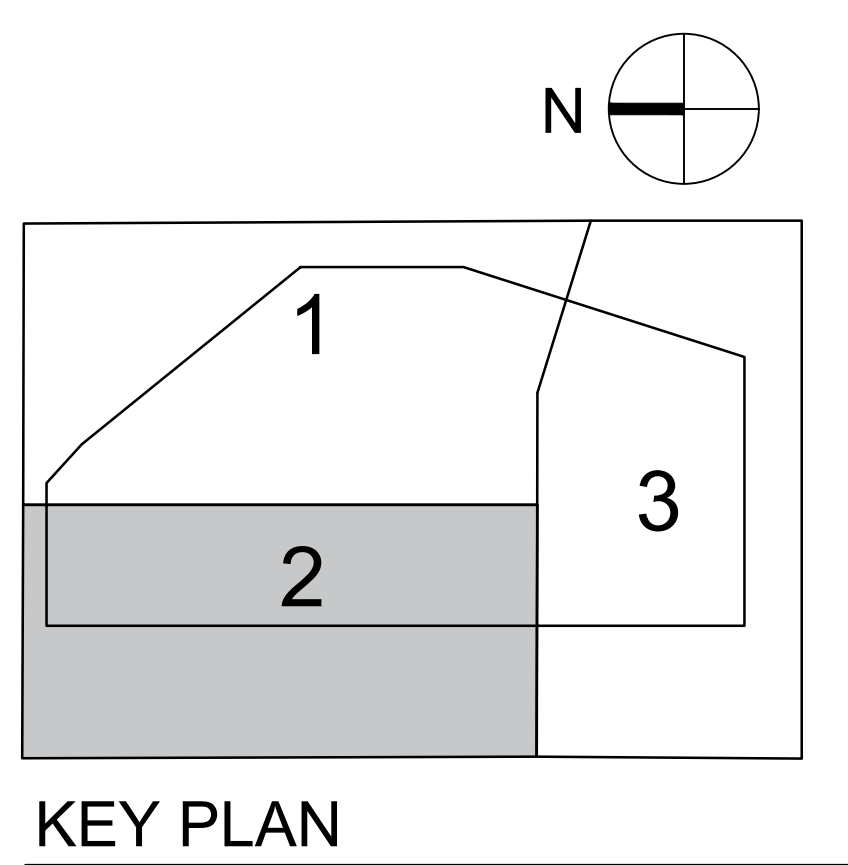
Serving with Integrity and Excellence
d.
 District Department of Transportation
 Shaovone Lattimore-Dunn
 (This is not a permit)



LEGEND

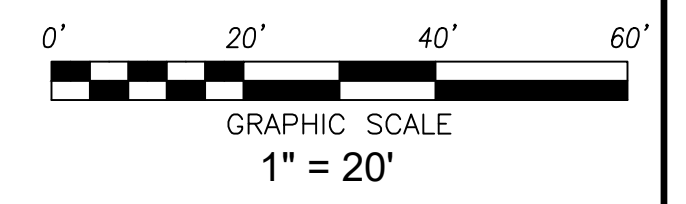
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REVISIONS			
DATE	NUM	DESCRIPTION	
08/23/2021	B	UPDATE	

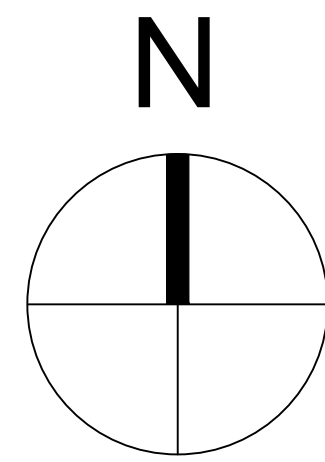
**UPDATE
NOT FOR CONSTRUCTION**

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 OFFICE OF CAPITAL PROGRAM DELIVERY
 ENGA - CIVIL ENGINEERING - DEMOLITION

SUBMITTED: 08/23/2021
 Name: _____ DATE: _____
 Job Title: _____

APPROVED: _____
 Name: _____ DATE: _____
 Job Title: _____

NORTHERN BUS DIVISION REPLACEMENT - 100 % DEMOLITION SUBMITTAL - UPDATE 4615 14TH STREET SW, WASHINGTON DC TRAFFIC CONTROL PLAN - 2		CONTRACT NO. FQ19144N	SCALE AS NOTED	DRAWING NO. T06-T102	SHEET NO. M1323-
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d.
 District Department of Transportation
 Shavone Lattimore-Dunn
APPROVED
PERMIT OFFICE
10939955
6/17/22

TCP Restrictions

Restrictions for TCP: #10939955

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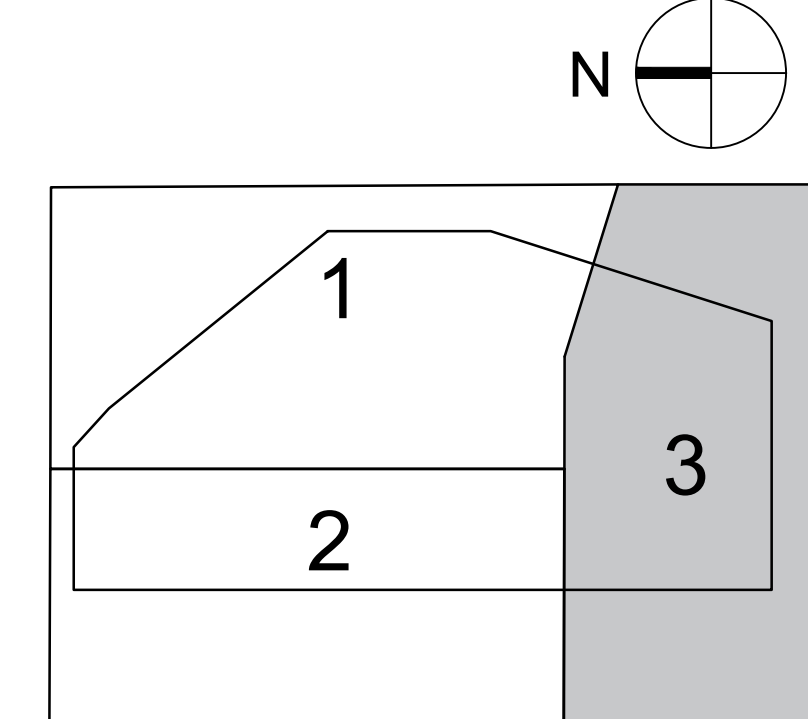
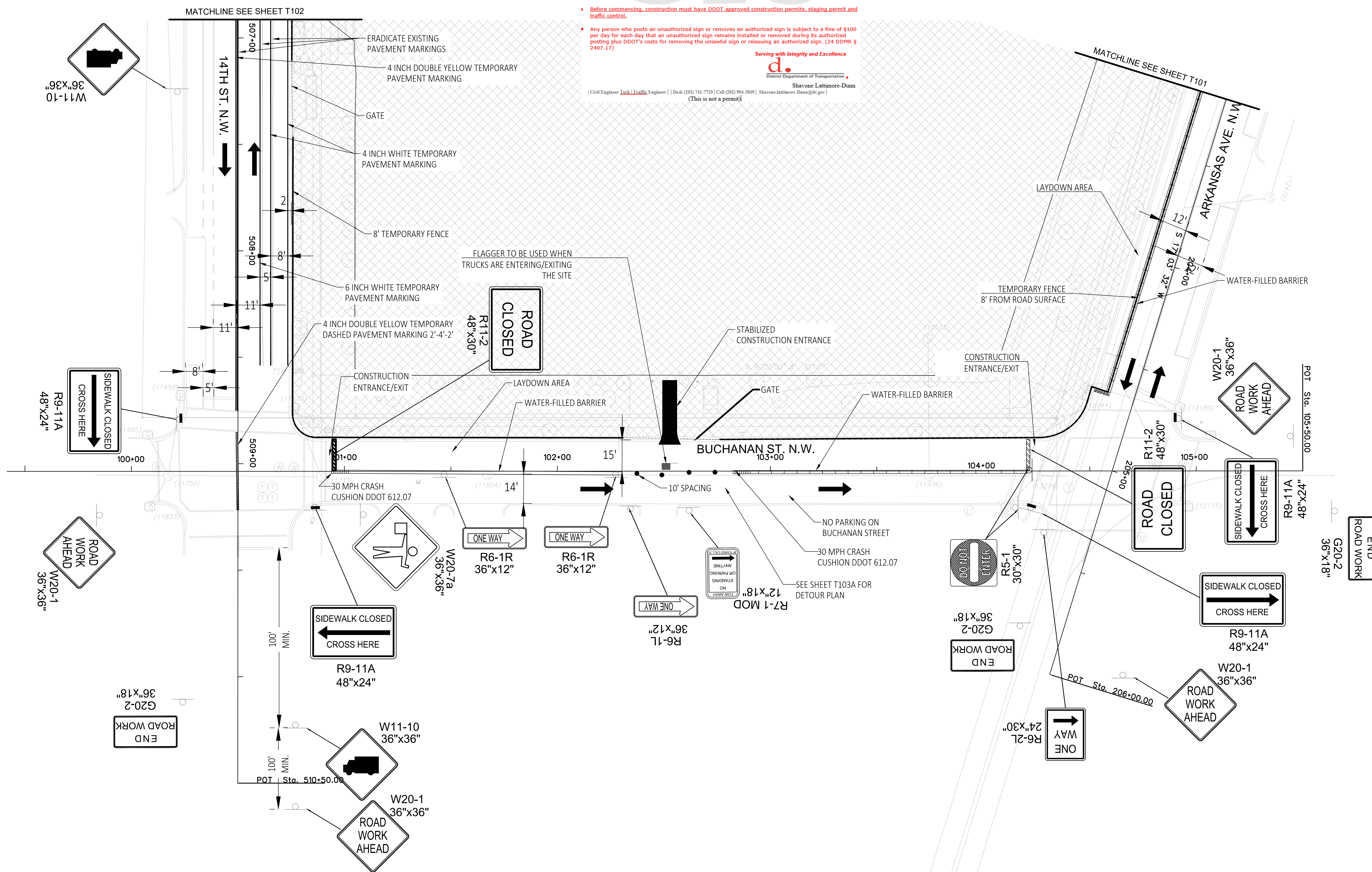
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d.
 District Department of Transportation
 Shavone Lattimore-Dunn
 (Civil Engineer, Traffic Engineer) | Desk (202) 741-7739 | Cell (202) 904-3849 | Shavone.Lattimore-Dunn@ddot.gov | (This is not a permit)

LEGEND

- TEMPORARY WATER-FILLED BARRIER
- TEMPORARY CONCRETE BARRIER
- CRASH CUSHION
- WORK AREA
- TEMPORARY SIGN
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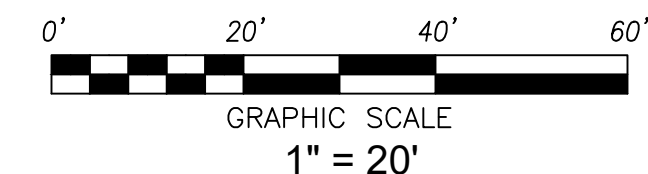


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 - DC REGISTER SECTION 1516



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DESIGNED		DATE		NUM		DESCRIPTION	
DATE	DATE	B	UPDATE				
E. PRANGE	04/17/2020						
08/23/2021							
E. PRANGE	04/17/2020						
J. LASSITER	04/17/2020						

UPDATE
NOT FOR CONSTRUCTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF CAPITAL PROGRAM DELIVERY
 ENGA - CIVIL ENGINEERING - DEMOLITION

SUBMITTED: 08/23/2021
 Name: _____ DATE: _____
 Job Title: _____

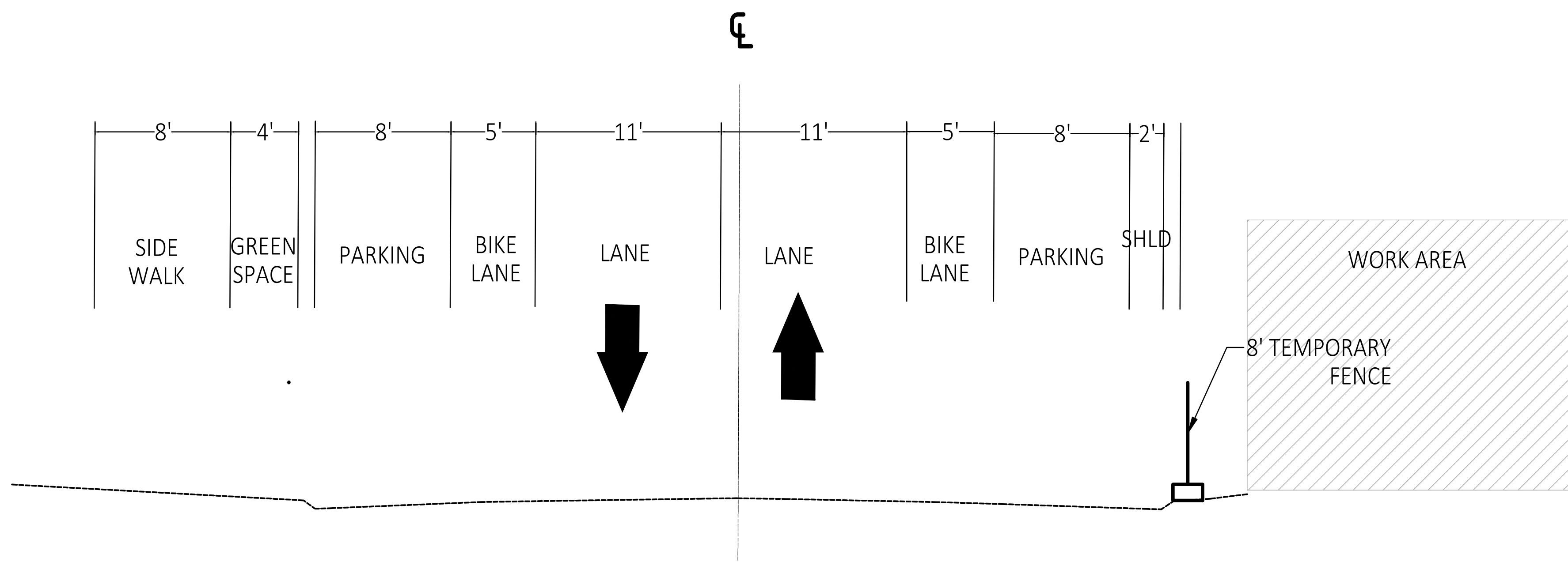
APPROVED: _____
 Name: _____ DATE: _____
 Job Title: _____

MM/DD/YYYY
 DATE

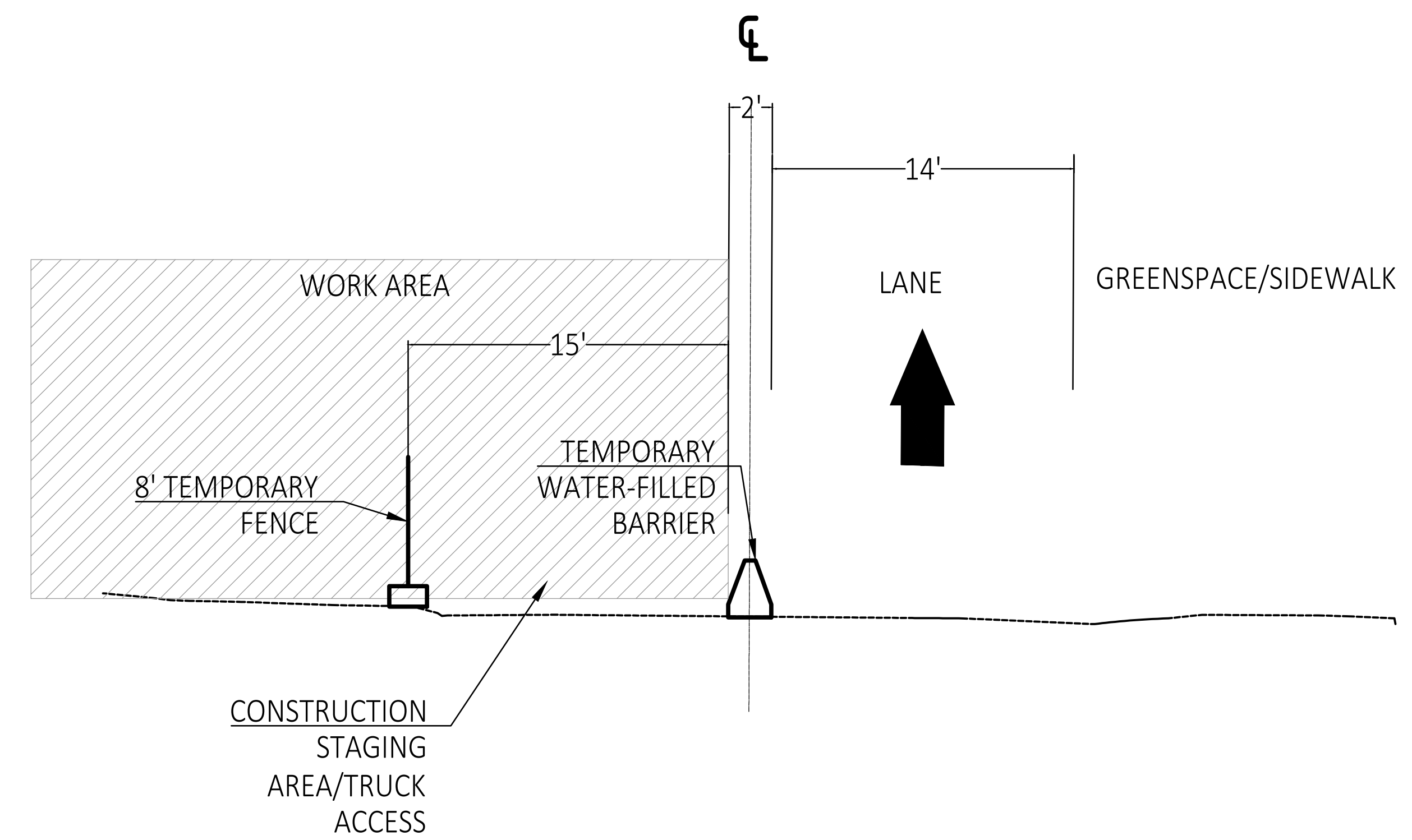
NORTHERN BUS DIVISION REPLACEMENT - 100% DEMOLITION SUBMITTAL - UPDATE
 4615 14TH STREET SW, WASHINGTON DC
 TRAFFIC CONTROL PLAN - 3

CONTRACT NO. FQ19144N
 SCALE AS NOTED
 DRAWING NO. T06-T103
 SHEET NO. M1323-

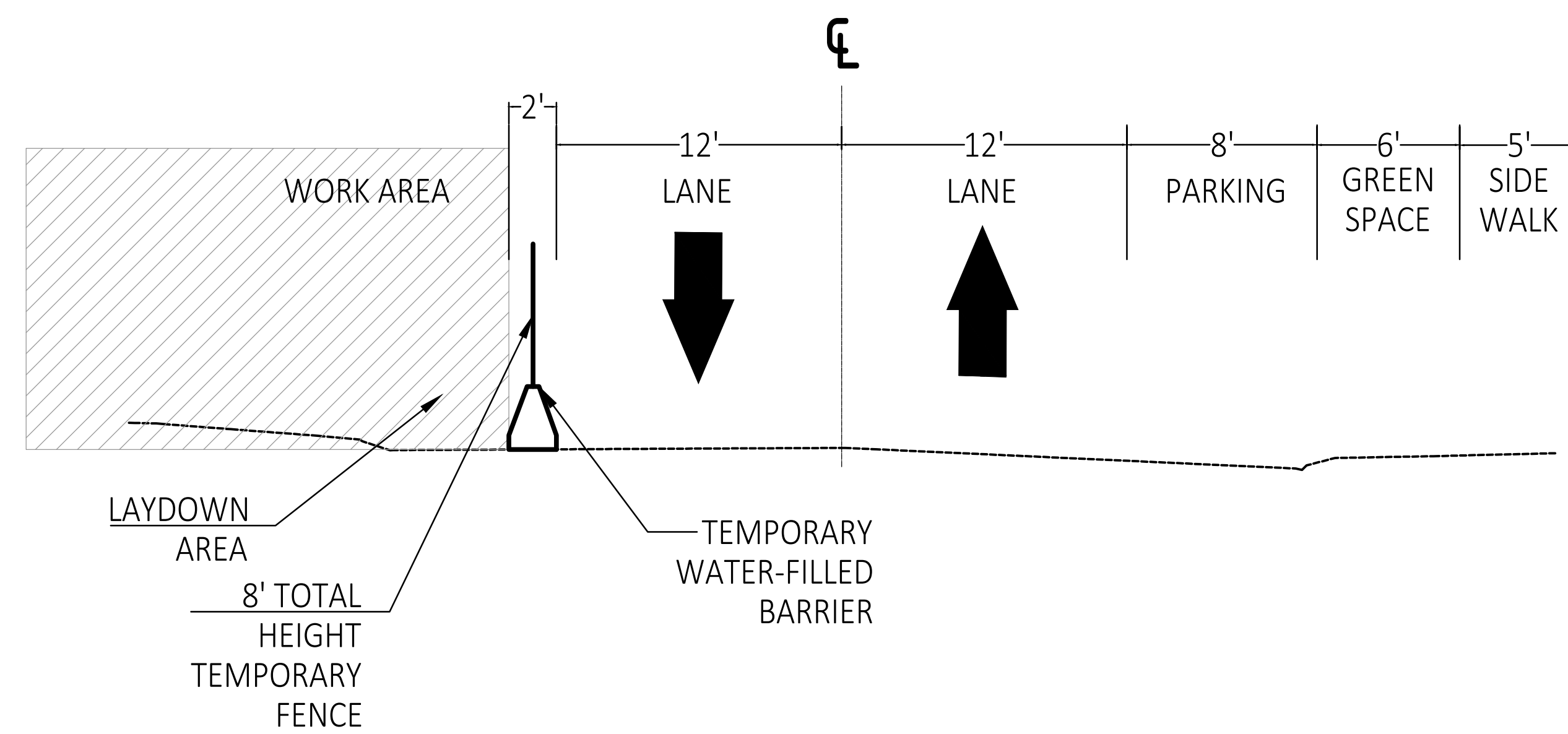
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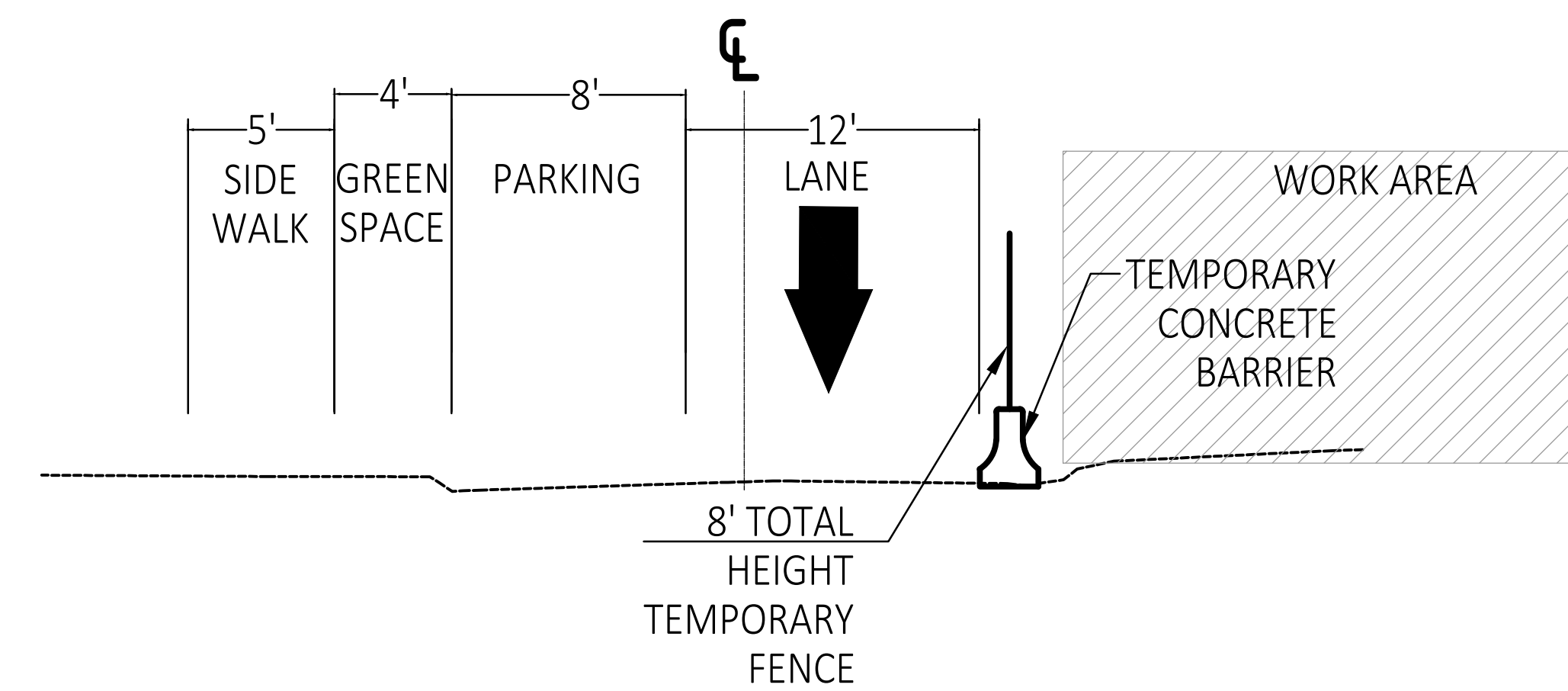
14TH STREET NW
TYPICAL SECTION



BUCHANAN STREET NW
TYPICAL SECTION



ARKANSAS AVENUE NW
TYPICAL SECTION



IOWA AVENUE NW
TYPICAL SECTION



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LICENSE NO. _____ NO. _____

EXPIRATION DATE: MM/DD/YYYY

- DC REGISTER SECTION 1516

DESIGNED		DATE		REVISIONS	
NAME	DATE	NUM	DATE	DESCRIPTION	
E. PRANGE	04/17/2020				
E. PRANGE	04/17/2020				
J. LASSITER	04/17/2020				

**UPDATE
NOT FOR CONSTRUCTION**

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF CAPITAL PROGRAM DELIVERY
ENGA - CIVIL ENGINEERING - DEMOLITION

SUBMITTED: 08/23/2021
APPROVED: _____
NAME: _____ DATE: _____
JOB TITLE: _____

NORTHERN BUS DIVISION REPLACEMENT - 100% DEMOLITION SUBMITTAL - UPDATE

4615 14TH STREET SW, WASHINGTON DC
TRAFFIC CONTROL PLAN - TYPICAL SECTIONS

CONTRACT NO. FQ19144N
SCALE: NTS
DRAWING NO. T06-T301
SHEET NO. M1323-

I:\Projects\4020310\4020310_000190_CAD Models and Sheets\24_D_Demolition\100% Demolition\Site Civil\MOI-Uilities\20A-T501-TRAFFIC CONTROL DETAILS.dwg, 9/16/2021 3:03:44 PM, prangee, 1:1

NOTES

1. THE SECTION SHALL BE THE NEW JERSEY OR F SHAPE.
2. THE UNIT LENGTH, REINFORCING CONNECTION AND OTHER DETAILS VARY WITH MANUFACTURERS.
3. BARRIER TO BE USED MUST BE APPROVED BY DOT PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL SUBMIT NCHRP REPORT 350, TL-3 CERTIFICATION.

TYPICAL INSTALLATION

MINIMUM BARRIER FLARE RATE: 6:12

60 MPH = 13:1
50 MPH = 11:1
40 MPH = 9:1
30 MPH = 8:1

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 APPROVED: [Signature] CHIEF ENGINEER

PRECAST TEMPORARY CONCRETE BARRIER FOR TRAFFIC MAINTENANCE DURING FREEWAY CONSTRUCTION

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION
 DWG. NO. 610.03

MANUFACTURER'S SPECIFICATIONS

CONSTRUCTION CRASH CUSHION

NOTES

1. CRASH CUSHION SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. NUMBER OF CARTRIDGES (BAYS) SHALL BE DETERMINED BY THE DESIGN SPEED (AS SHOWN).
3. TRANSITION PANELS FOR THE SPECIFIC SITE DESIGN SHALL BE SUPPLIED WITH THE CRASH CUSHION.
4. REFLECTORIZED TAPE ON NOSE OF CRASH CUSHION TO BE SPECIFIED IN THE SPECIAL PROVISIONS.
5. CROSS SLOPE OF UNIT NOT TO EXCEED 5%.

KEY

- 1 CRUSHABLE CARTRIDGE
- 2 DIAPHRAGM
- 3 FENDER PANEL
- 4 NOSE COVER
- 5 RAIL
- 6 BASE PLATE

NOTES

1. THE TMA SHALL BE DESIGNED FOR INSTALLATION AT THE BACK OF TRUCKS WITH A 10,000 TO 35,000 LB. GROSS VEHICLE WEIGHT RATING.
2. ROLL DISTANCE OF THE TRUCK AND TMA COMBINED SHALL BE DETERMINED IN ACCORDANCE WITH TEST VEHICLE WEIGHTS AND SPEEDS AS SPECIFIED IN NCHRP #350, TL-3.

TYPICAL TRUCK MOUNTED ATTENUATOR (TMA)

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CONSTRUCTION ZONE CRASH CUSHION AND TRUCK MOUNTED ATTENUATOR (TMA)

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION
 DWG. NO. 612.07

DESIGN SPEED = 40 M.P.H.

DESIGN SPEED = 30 M.P.H.

DESIGN SPEED = 50 M.P.H.

NOTES

1. THE SAND FILLED BARREL WEIGHTS AND CONFIGURATIONS SHALL BE DESIGNED AND CERTIFIED BY THE MANUFACTURER.
2. ANY PORTABLE CRASH CUSHION DEVICE WHICH CAN BE SHOWN TO BE EQUAL OR SAFER MAY BE USED WITH THE ENGINEER'S APPROVAL.
3. REFLECTORIZED TAPE ON FIRST BARREL MAY BE SPECIFIED IN THE SPECIAL PROVISIONS.
4. SAND SHALL BE LOOSE IN COLD WEATHER POSITIVE MUST BE USED TO KEEP SAND FROM FREEZING.
5. CRASH CUSHION SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350, TL-3 AND TL-5.
6. DO NOT OBSTRUCT PEDESTRIAN PATHWAY.

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CRASH CUSHION INERTIAL SYSTEM UNIDIRECTIONAL

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION
 DWG. NO. 612.08

GENERAL SIZE AND SHAPE

NOTES

1. SPACING OF REFLECTORS SHALL BE APPROXIMATELY 50 FEET OR AS SHOWN ON CONTRACT PLANS.
2. COLOR OF THE REFLECTOR IS DETERMINED BASED ON THE DIRECTION IN WHICH TRAFFIC MOVES. WHITE REFLECTORS SHALL BE USED ON THE RIGHT BARRIER. YELLOW REFLECTORS USED ON THE LEFT BARRIER.
3. THE REFLECTOR SHALL BE AN ALL PLASTIC BODY WHICH UTILIZES ADHESIVE MOUNTING TO THE CONCRETE SURFACE.

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CONCRETE BARRIER REFLECTORS SIDE MOUNTED

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 DWG. NO. 610.06

NOTES

1. RETROREFLECTIVE SURFACES (MEDIAN BARRIER ONLY) SINGLE RETROREFLECTIVE SURFACE (ALL OTHER BARRIERS)

SPACING OF REFLECTORS

RADIUS OF CURVE	C/C DIST. BETWEEN REFLECTORS
LESS THAN 2000'	100'
2000 TO 3000'	150'
3000 TO 5000'	180'
OVER 5000'	200'
TANGENT AREAS	200'

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CONCRETE BARRIER REFLECTORS TOP MOUNTED

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION
 DWG. NO. 610.07

REFLECTOR BODY

THE REFLECTOR SHALL BE MADE OF A HIGH IMPACT WEATHERABLE ENGINEERING THERMO-PLASTIC MATERIAL WHICH CONFORMS TO THE FOLLOWING:

PROPERTY	RESULT	METHOD
TENSILE STRENGTH (MIN)	5,000	0638
IMPACT STRENGTH @ 20°F OF TL-50 IN AT NOTCH	3.2	0258 METHOD A
IMPACT STRENGTH @ 70°F OF TL-50 IN AT NOTCH	140	0258 METHOD A
FLEXURAL STRENGTH (PSI)	8,000	0790
FLEXURAL MODULUS (PSI)	300,000	0790
ELONGATION @ YIELD	30%	0638

REFLECTIVE SURFACE

THE REFLECTOR SHALL BE A RETRO-REFLECTIVE ACRYLIC METROPOLITAN MATERIAL WITH ACRYLIC BACKING WITH A MINIMUM AREA OF 6" SQUARE PROVIDING THE FOLLOWING MINIMUM OPTICAL PERFORMANCE WITH AN OBSERVATION ANGLE OF 0° MEASURED IN CONFORMANCE:

ENTRANCE ANGLE	SPECIFIC INTENSITY
AMBER 4°	75
AMBER 30°	35
WHITE 4°	155
WHITE 30°	55

INSTALLATION

THE REFLECTOR SHALL BE MOUNTED TO THE TOP OF THE CONCRETE BARRIER AS SPECIFIED BY THE MANUFACTURER.

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CONCRETE BARRIER REFLECTORS SPECIFICATIONS

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION
 DWG. NO. 610.08

CLARK CONSTRUCTION

CLARK CONSTRUCTION, LLC
 7500 Old Georgetown Road
 Bethesda, MD 20814

STV 100 Years

7125 Ambassador Road, Suite 200
 Baltimore, MD 21244-2727
 (410)944-9112

"PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE DISTRICT OF COLUMBIA."

LICENSE NO. _____ NO. _____

EXPIRATION DATE: ____/____/____ MMD/YYYY

- DC REGISTER SECTION 1516

REVISIONS			
DATE	NUM	DESCRIPTION	
08/23/2021	B	UPDATE	

UPDATE NOT FOR CONSTRUCTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF CAPITAL PROGRAM DELIVERY
 ENGA - CIVIL ENGINEERING - DEMOLITION

ISSUED: 08/23/2021
 NAME: [Signature]
 JOB TITLE: [Signature]

APPROVED: [Signature]
 NAME: [Signature]
 JOB TITLE: [Signature]

MM/DD/YYYY
 DATE: [Signature]

NORTHERN BUS DIVISION REPLACEMENT - 100% DEMOLITION SUBMITTAL - UPDATE

4615 14TH STREET SW, WASHINGTON DC

TRAFFIC CONTROL PLAN - TRAFFIC CONTROL DETAILS

CONTRACT NO. FQ19144N
 SCALE: NTS
 DRAWING NO. T06-T501
 SHEET NO. M1323-